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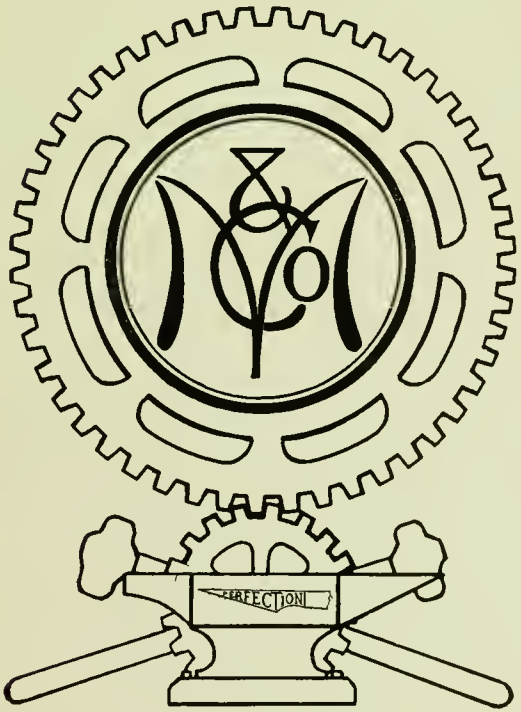

MAKERS
OF
SURGICAL · INSTRUMENTS

HOSPITAL AND OFFICE FURNITURE

DEFORMITY APPARATUS AND PHYSICIANS' SUPPLIES

To the Medical Profession

[1911?]

IT AFFORDS us much pleasure to present to the profession this, the second edition of our General Catalogue, illustrating surgical instruments, office and hospital equipment, orthopedic appliances, sick-room supplies, electro-medical and X-Ray apparatus.

The liberal support, which has been accorded us by the American physician, has demonstrated to us that the average professional man of today desires, first of all, instruments and apparatus of the best possible design and quality.

We, therefore, have spared no labor and expense in compiling this catalogue and in securing from the World's market for our customers, the best of everything which goes to complete the armamentarium of the physician and surgeon.

The members of our firm are practical surgical instrument makers and trained salesmen, who have made this business a life study, having had their training with the foremost firms in this line, both in Europe and America, before starting in business for themselves.

As evidence of this, it is, with not a little pride, that we call attention to the number of instruments of new and popular design which have been placed on the market by us since our last catalogue was published.

All of our goods are marked with the firm name, V. MUELLER & COMPANY, or our private trade mark 

Having close business relations with practically all the better known instrument makers in Germany, Austria, France, England, etc., we are able to secure instruments which may have but recently appeared in Europe, in the least possible time.

We maintain a thoroughly modern shop and a corps of skilled instrument makers, so our facilities for the manufacture of special instruments are of the best. At intervals we shall issue bulletins containing illustrations and descriptions of such new instruments and devices as may be invented and prove to be of value to the Medical Profession.

Respectfully,

V. MUELLER & COMPANY



Hist
RD76
V55

Suggestions to our Customers

IN ORDER to facilitate the prompt filling of orders, please give full name, address and shipping directions, name of article, section letter and number. In sending us instruments for repairs, please be sure that your name appears on the package.

To those who have established credit with us, or upon receipt of satisfactory references, we will gladly submit instruments for inspection, provided that the purchaser agrees to pay transportation charges both ways, guarantees safe return of the goods and goods returned for credit are sent to us within 15 DAYS FROM DATE OF INVOICE.

Please mention whether the goods are to be shipped by mail, express or freight, otherwise we will use our judgment as to the method of shipment.

Our goods are thoroughly examined and carefully packed before leaving our establishment. They should reach their destination in perfect condition. Our responsibility ceases when goods are delivered to the carrier in good order, except on insured mail packages.

Owing to the frequent loss of parcels sent by mail, and the resulting loss to our customers therefrom, we have arranged for package insurance on all mail matter on the following terms, which insure against loss by fire, theft or any other cause. For packages valued at $5.00 or less, by ordinary mail, five cents; for packages over $5.00 and less than $10.00, by ordinary mail, ten cents; packages over $10.00 in value should be registered, when the rate of insurance would be five cents up to $25.00 in value. All mail packages, unless otherwise requested, will be insured by us, and the insurance added to the regular postage.

When an express or freight shipment is received in bad order, claim should be made at once by applying to the local agent of the transportation company before reporting to us.

Search all packing carefully before claiming damages.

All remittances should be made by draft, money order, or express order. When money is sent in any other way, the amount of the exchange should be added.

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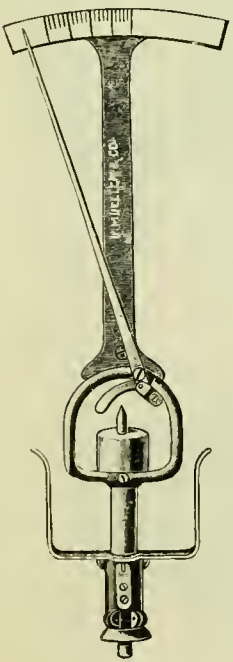
Section "M"

Eye Ear Nasal Oral

Tonsil Laryngeal Bronchial Oesophageal

and Stomach Instruments



M-1

SCHIÖTZ TONOMETER

The Schlötz tonometer has heen extensively used in European clinics for the past 3 or 4 years, and in this country in the clinics of Drs. Weeks, de Schweinitz, Marpole, Knapp, Gradle and Brown.

Slight increases of intraocular tension and questionahle differences in tension between the two eyes can be more accurately determined with this instrument than with the fingers. Indications for operation and treatment for glaucoma are thereby made more definite and certain, and the final results of such operations and treatment upon the tension of the eye can be more accurately aud unquestionahly determined.

These instruments are imported hy us from the makers in Denmark and we are assured that each one has the approval of Prof. Schiotz before being sent from his shop.

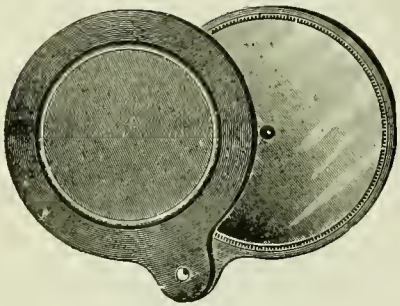


M-1A

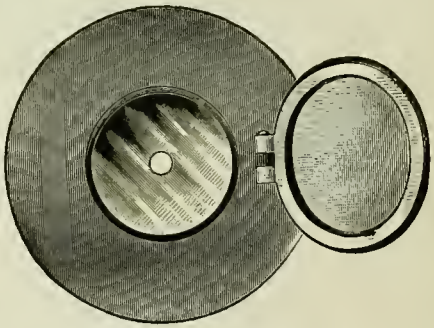
M-1 Schiötz' tonometer, complete with all attachments including Fisher's forceps for handling the weights, net.....$30 00

M-1A Forceps, W. A. Fisher's, for handling the weights used in connection with the Schlötz' tonometer 1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5



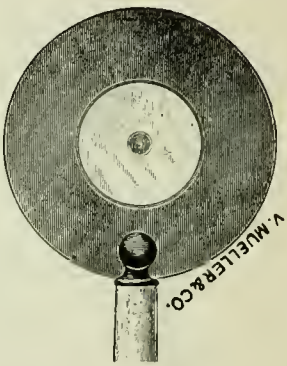
M-10



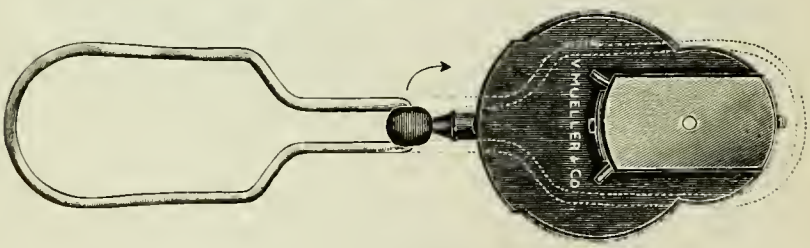
M-20



M-15



M-25

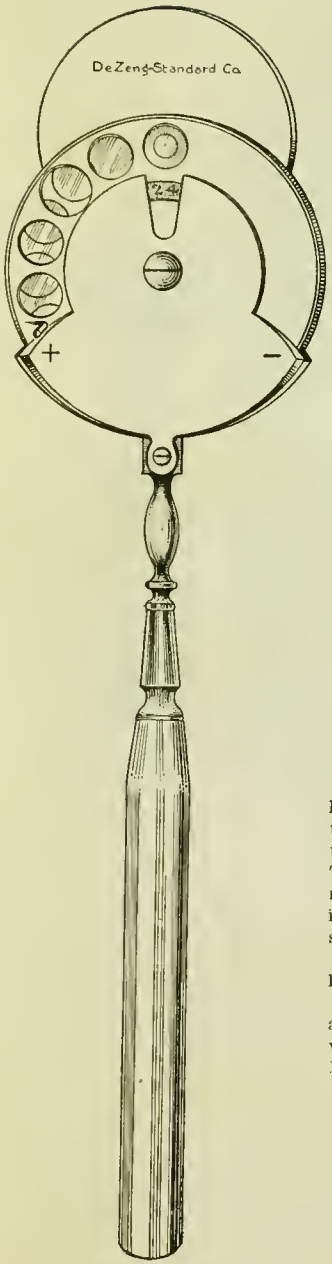


M-30

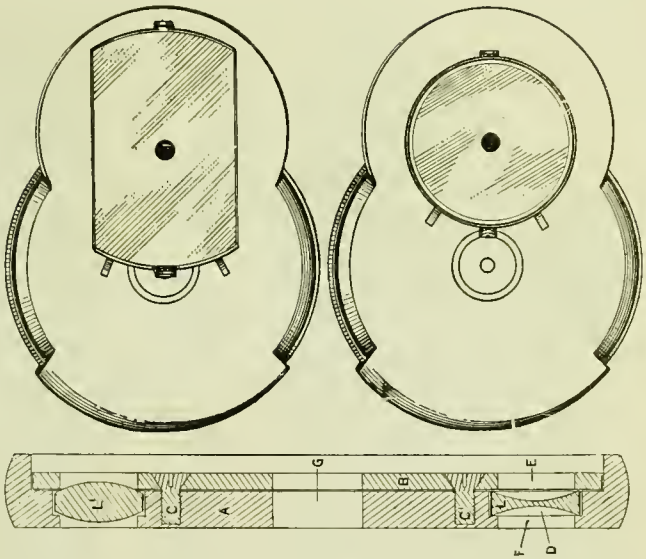
RETINOSCOPES AND OPHTHALMOSCOPES

M-5	Folding retinoscope with plano or cc. mirror, 1¾ in.	$1 00
M-10	Folding retinoscope, plano mirror, ¾ in. diameter, Thorington's	1 50
M-15	Folding retinoscope, plano or cc. mirror, 2 in. diameter	1 00
M-20	Retinscope, plano or cc mirror, 2 in. with plain handle	1 00
M-25	Retinoscope, Thorington's, plano mirror, ¾ in. diameter	1 00
M-30	Ophthalmoscope, Loring's, with folding handle as snggested by Dr W. E. Gamble	6 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-35



Patented Lens Mounting

LORING'S OPHTHALMOSCOPES

The ophthalmoscope illustrated here is the latest model of the Loring type and differs from the old style instrument in that only those numbers representing the sum total of the lens power, obtained at the sight hole can appear in any position of the disks. The instrument contains 19 lenses, has friction mounted tilting mirror, with or without perforation and is rectangular or round in form. The round mirror gives superior illumination and answers the purposes of a retinoscope as well as an ophthalmoscope.

The lenses in these instruments are mounted in a way that holds every lens permanently without pressure.

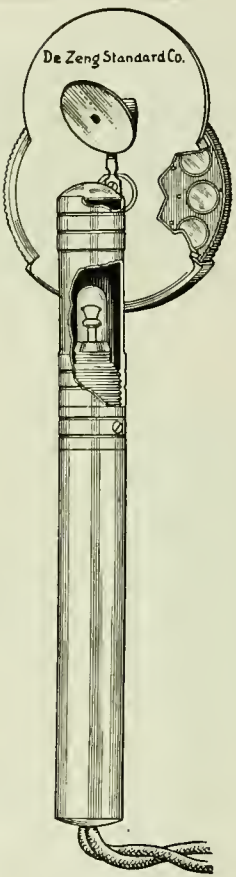
The outfit is furnished with a substantial hard rubber handle and condensor in handsome and compact case that will fit in the vest pocket.

M-35 Complete as described with either rectangular or round mirror $4 00

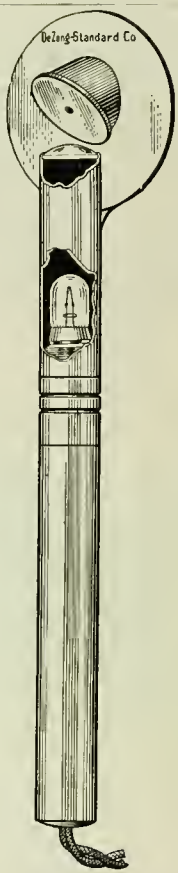
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-45A



M-40



M-50



M-50B

ELECTRIC OPHTHALMOSCOPES AND RETINOSCOPES

M-40 The De Zeng Electric Ophthalmoscope. Has the Loring arrangement of 19 lenses, all of which are held by a patented metallic lens fastening. It has the full round mirror and can be used in either daylight or darkness, gives a field of view much more brilliantly illuminated than that obtained by other means. For bedside use and for looking into eyes having small pupils this instrument is invaluable. Complete in case with two carbon lamps.....$15 00

M-45 De Zeng Electric Ophthalmoscope, same as described under M-40 but with the standard handle battery and one Tungsten lamp, $15 00; same with Jumbo handle battery 16 00

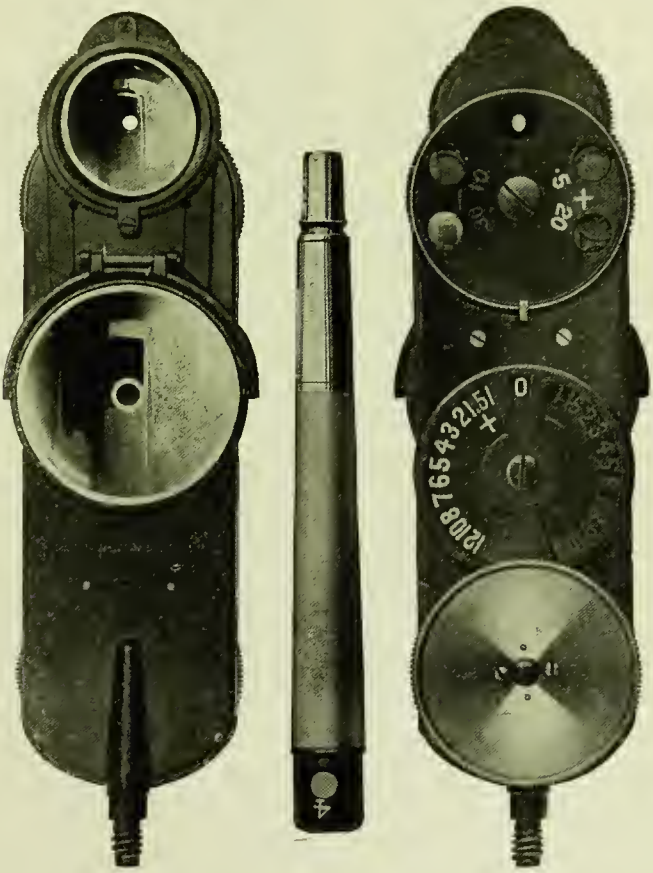
M-45A De Zeng Special Electric Ophthalmoscope. Has anti-reflex mirror, universal light adjustment, Jumbo handle battery, double lens locked disk and Tungsten lamp. Complete in case..... 17 50

M-50 De Zeng Electric Retinoscope. Gives a much greater illustration than that acquired by any other means and the responsive movement of the reflex is therefore plainly seen in darkly pigmented eyes having the smallest pupils. Retinoscopy can be practiced with it in the open refracting room. Complete with two carbon filament lamps in case.....$12 50

M-50A De Zeng Electric Retinoscope, same as described under M-50, but with a standard handle battery and one Tungsten lamp, $14 00; same with Jumbo handle battery 15 00

M-50B De Zeng Ideal Electric Retinoscope. Has illuminated fixation letters, plano mirror, Tungsten lamp and Jumbo handle battery. Complete..... 16 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-55

MORTON OPHTHALMOSCOPE

This popular form of the Morton ophthalmoscope, now being sold by us, embodies all of the distinctive features of the latest and best English made instrument, together with a number of important additions and improvements.

Every lens which this ophthalmoscope contains is held by a metal fastening and not by cement.

The instrument contains twenty-nine lenses and has an auxiliary disk with four supplementary lenses. It has three adjustably mounted mirrors, a small and large concave of three and ten inches focus, respectively, and a large plano mirror. The handle contains pupillometer and color test as shown. All of the bearings are of increased dimensions and like the sprocket, are made of steel.

M-55 Complete as described with condensor in compact Morocco case.....$22 50
M-55A Same as M-55 but with plain handle..... 21 50
M-55B Same as M-55 but without the plano mirror..... 20 00
M-55C Ophthalmoscope, Morton's, American model..... 15 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-65 M-60 M-70

ELECTRIC OPHTHALMOSCOPES AND TRANSILLUMINATORS

The Morton Ophthalmoscope with electric attachment, is the same instrument in every detail as described on the previous page under M-55, with the exception that it is arranged for use with the electric current the same as the De Zeng electric ophthalmoscope M-40.

M-60 Complete in case with two extra lamps.....$30 00

Würdemann's Transilluminator is about the size of a fountain pen and so made that it does not get hot. It is very useful for detection of foreign bodies, the study of the condition of the iris, the circumcorneal zone in glaucoma and uveal diseases, and for differential diagnosis between serious detachment, simple glaucoma and intraocular tumors. The glass tip can be placed against the eye lids or the conjunctiva with or without the use of cocaine. It is likewise useful for transillumination of the frontal sinus.

M-65 Complete in case $10 00

Veasey's Illuminator for testing the pupil. The tip of this instrument is adaptable to the handle of either the De Zeng electric ophthalmoscope or the Würdemann transilluminator.

M-75 Complete in case with two 5½ volt lamps.....$10 00

Tip only with two lamps for use on the ophthalmoscope or Würdemann's transilluminator $6 00

Tip only without lamp..... 5 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-75

SETS OF ELECTRICALLY LIGHTED EYE EXAMINING INSTRUMENTS

The set of instruments illustrated above contains the De Zeng's electric ophthalmoscope, electric retinoscope and Würdemann's transilluminator, all lighted from one pair of cords with interchangeable contact plug. Two extra lamps accompany each instrument.

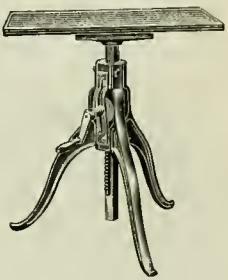
M-75 Set complete as shown in illustration.....$40 00
M-75A Set containing ophthalmoscope and retinoscope..... 30 00
M-75B Set containing ophthalmoscope and Würdemann's transilluminator..... 27 50
M-75C Set containing retinoscope and Würdemann's transilluminator..... 25 00

The accessories for supplying the electric current such as current socket controller or batteries are extra.

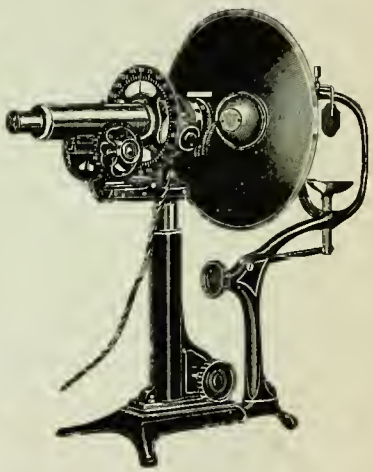
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-80



M-90



M-85

PERIMETERS, OPHTHALMOMETERS, ETC.

The Standard Perimeter combines the valuable points of the Landolt and Priestly Smith perimeters. It has a double adjustable chin rest, clip for determining the fixation point, the revolving chart holder and sight hole through the center of rotation. A holder and three separate disks of 5 mm. aperture, containing white, red, green, blue and yellow accompany it, also 25 charts each right and left.

M-80 Complete as described and illustrated.....$18 00

M-80A Standard perimeter same as described under M-80 but with the new De Zeng object carrier giving all of the apertures and colors of the McHardy perimeter.. 22 50

The C. I. ophthalmometer. This ophthalmometer is constructed with movable prisms, a compensating graduation of the scale on the wheel makes it a novelty in construction of its type.

M-85 Complete with transilluminated wires for use on city current.....$90 00

M-85A The C. I. ophthalmometer, for use with battery instead of city electric light current, with battery.....100 00

M-90 Ophthalmometer table, heavy metal base..... 12 00

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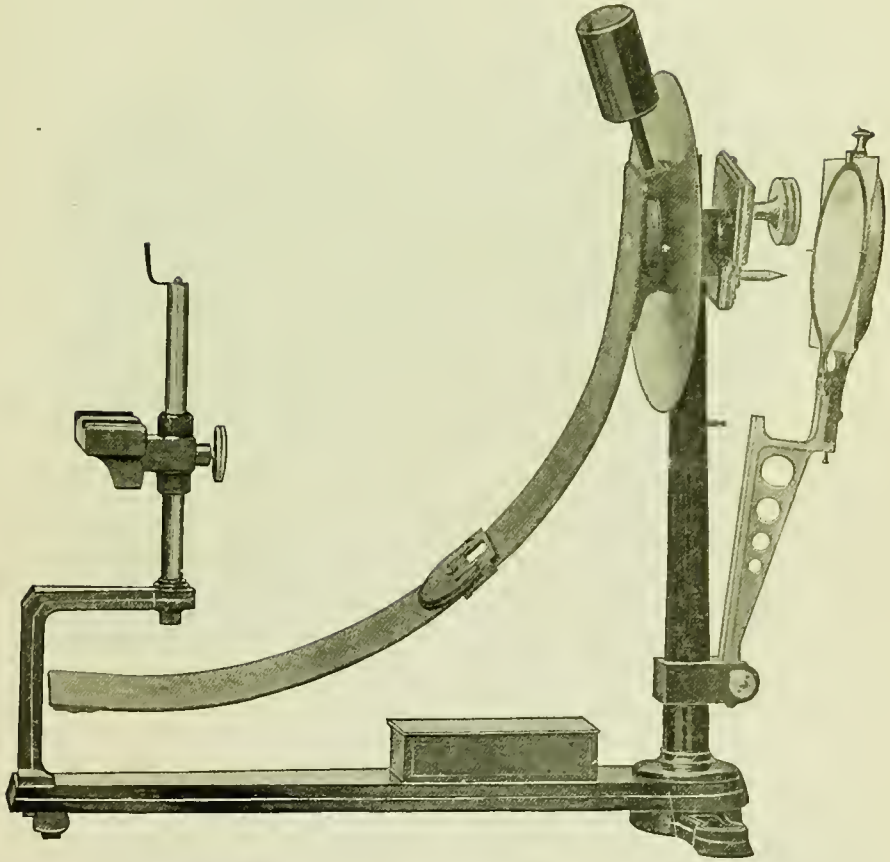

M-95

THE McHARDY PERIMETER

SELF-REGISTERING 1911 MODEL

In connection with the revolving graduated quadrant of one-third of a meter this instrument has a most perfect recording mechanism. A steel point follows every motion of the test object, which is adjustable to the required size and color, and which is caused to travel along the arc by cords connected with the mechanism controlled by the large milled head at the back. The chart is held in the adjustable support of ample size, as shown, and is pressed against the projecting steel point for record. There is no hard rubber used in this instrument, the arc and dial being made of metal. It contains five colors and has 1-3-5-10 and 15 millimeter apertures and passes beneath the point of fixation, enabling the operator thereby to take a complete central field with any size test object. It has an adjustable mahogany chin rest and improved fixation clip at top of support for locating the eye correctly at all times.

M-95 Complete, with 25 charts.....$50 00

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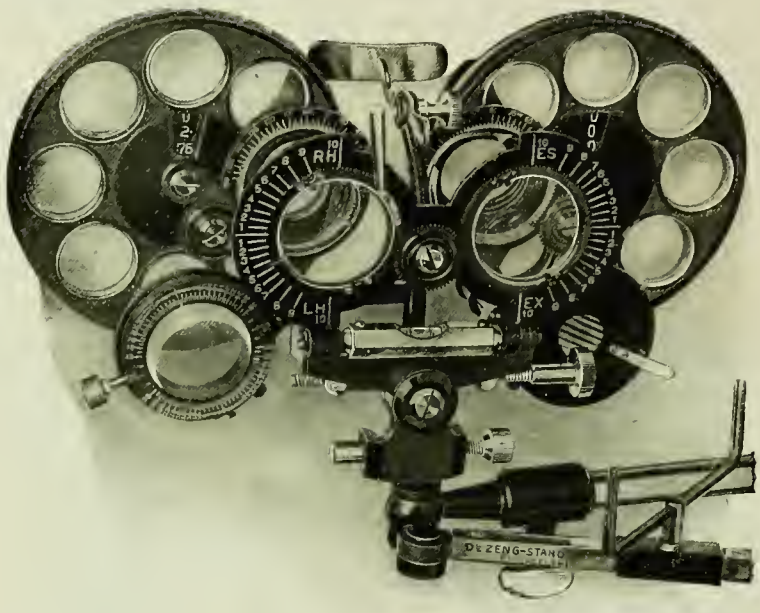

M-100

COMBINED OPTOMETER AND PHOROMETER

This instrument is a perfect combination of the well known phoro-optometer and a binocular quadruple series of plus and minus spherical lenses, mounted in light disk form. The lenses are all 1 inch in diameter, are accurately ground and centered and may be brought into operative position separately or in combination as desired. The plus numbers range from zero to 15.75 in subdivisions of eights and quarters, while the minus extend to 19.75 in similar subdivisions.

For rapid and accurate work this instrument meets the requirements exactly, for it contains an enormous range of standard focal equivalents, any one of which can be obtained in an instant. It is invaluable for retinoscopy, muscle testing and muscle exercise, when equipped with two rotary prisms. It is regularly made for the 1½ in. size, but can be adapted to hold 1¼ in. trial lenses when required.

M-100 Complete with wall bracket, floor stand or chair fixture.....$100 00
M-100A Same as M-100 but with two rotary prisms, (a pair on either side)..... 112 50
M-100B Same as M-100 but with De Zeng's rotary cross cylinder added..... 115 00
M-100C Same as M-100A but with the addition of De Zeng's rotary cross cylinder..... 127 50

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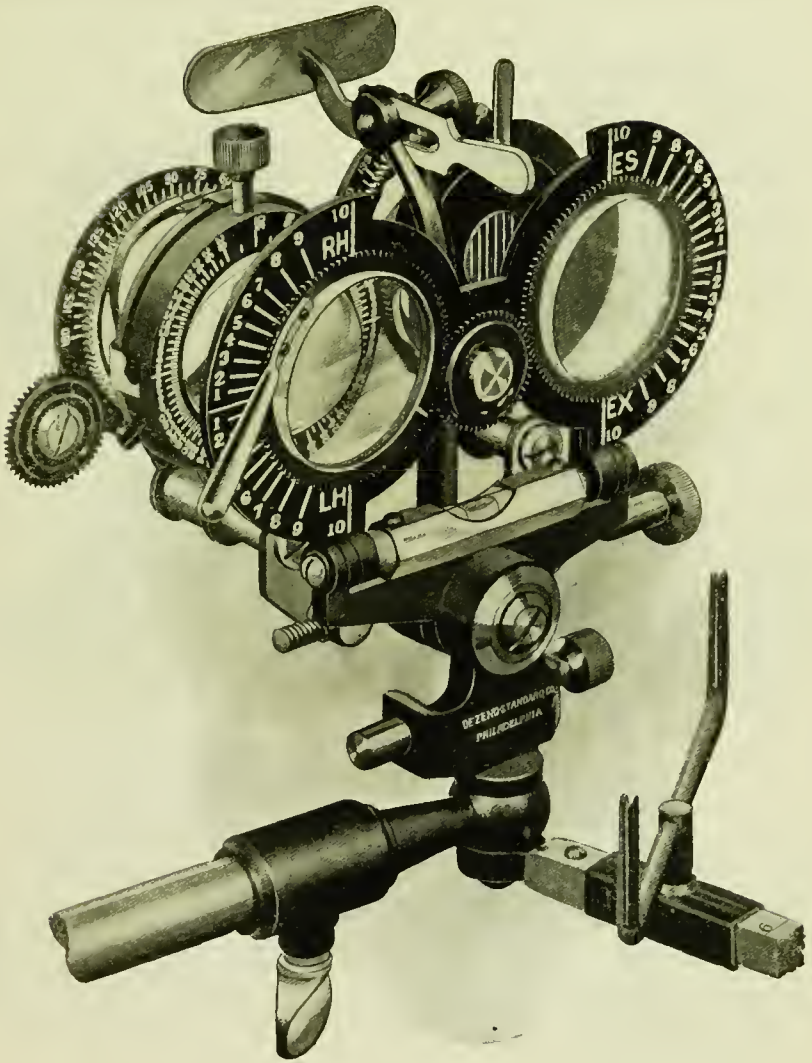


M-105

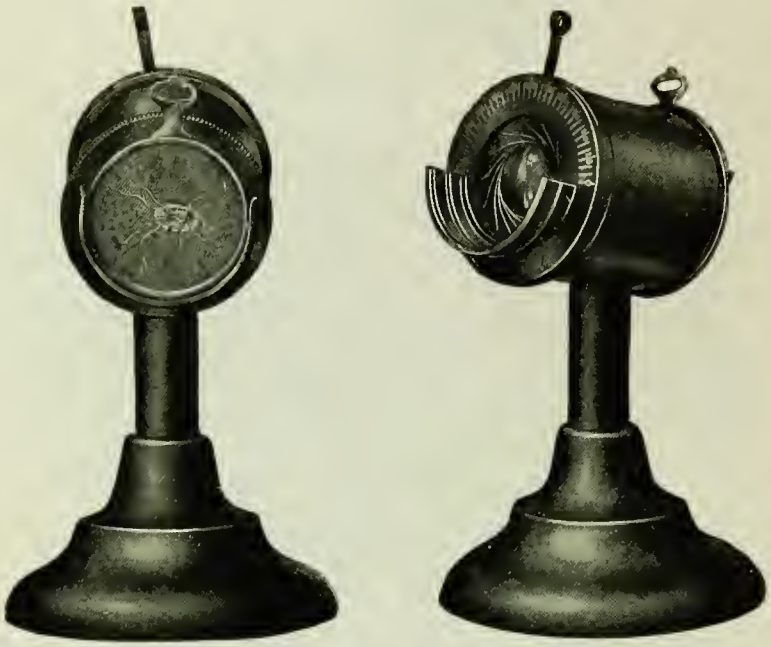
IMPROVED PHORO-OPTOMETER

For refraction and muscle work.

This instrument is a unique combination of the revolving three-cell gear driven trial frame, the Risley double rotary prism of 30 degrees, the multiple red maddox rod, the Stephens phoroometer with spirit level, and a graduated adjustable near point test, all so arranged as to be used separately or collectively as desired. The adjustments for pupillary dimensions, cylinder axes, and prism powers are all accurately and plainly graduated in white on black and are fitted in friction-tight bearings.

M-105 Complete with wall bracket, floor stand, or chair fixture.....$50 00
M-105A Same as M-105 but with a pair of Risley prisms on each side..... 62 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-110

DR. W. A. FISHER'S OPHTHALMOSCOPIC EYE MODEL

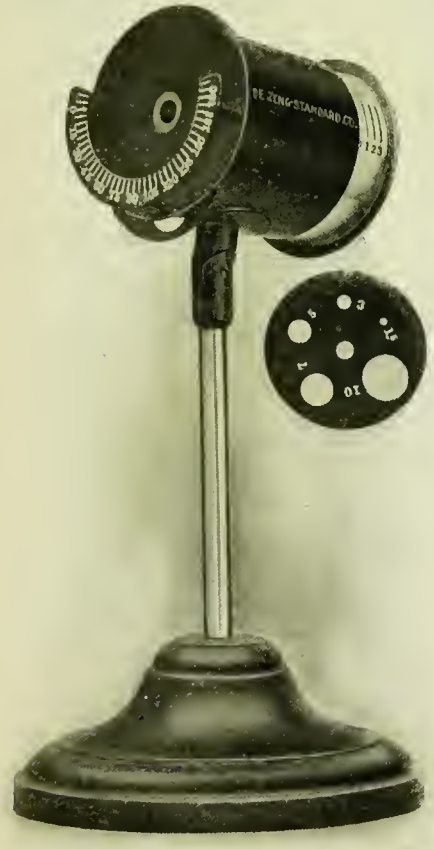
This model is mounted on a heavy base, well made and nicely finished. It is provided with an iris diaphragm, so that any size of pupil may be produced, and accompanying each eye are twenty-four retinas, representing two normal and twenty-two diseased conditions. These retinas are mounted in rings as shown in illustration and represent the following conditions:

1. Normal fundus dark.
2. Normal fundus light.
3. Central chorioiditis.
4. Detachment of retina.
5. Retinitis pigmentosa.
6. Embolism central retinal artery.
7. Posterior staphyloma with chorioiditis.
8. Myopic crescent.
9. Plain choked disc.
10. Neuroretinitis.
11. Papillitis haemorrhagica.
12. Sarcoma of chorioid.
13. Glaucoma.
14. Haemorrhagic glaucoma.
15. Glaucoma with atrophy.
16. Injury.
17. Rupture of chorioid.
18. Opaque nerve fibres.
19. Disseminated chorioiditis.
20. Coloboma of the chorioid.
21. Central chorioiditis (slight).
22. Retinitis pigmentosa with oblong disc.
23. Optic atrophy.
24. Retinitis albuminurica.

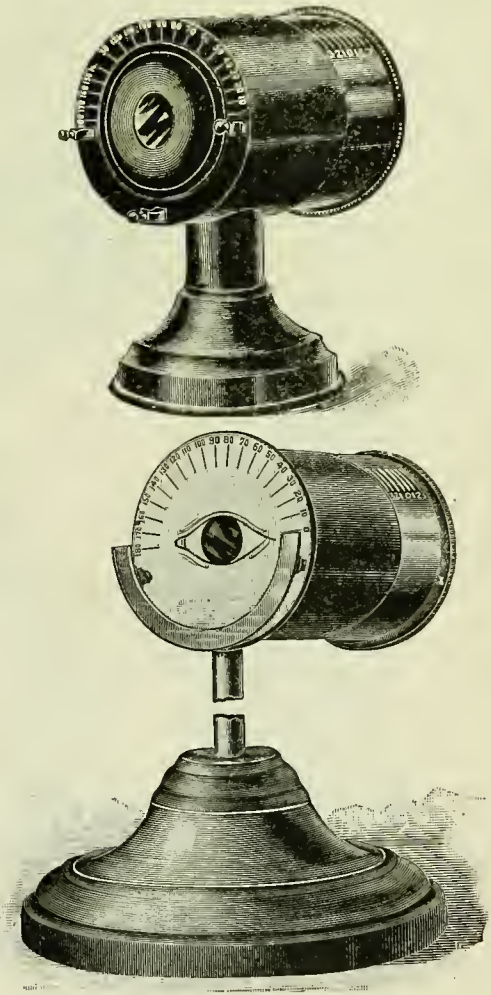
M-110 Ophthalmoscopic eye, as illustrated and described..... $7 00

N. B.—Attention is directed to Dr. Fisher's chart, which shows all the above described conditions reproduced in colors, price..... $1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-115



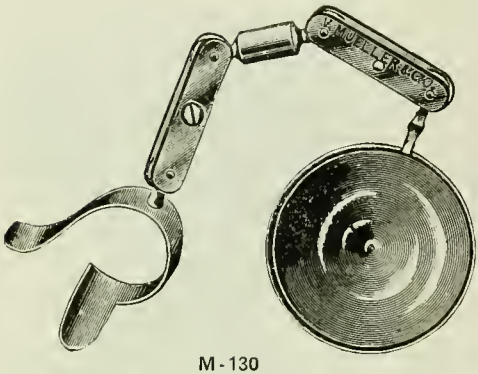
M-125

SCHEMATIC EYES

Thorington's Schematic eye complete with the new De Zeng variable pupil and angle attachment. The graduations upon the telescopic portion of this eye, are true represeutations of the varying degrees of hypermetropia and myopia. A cylindrical lens can be placed at any desired angle before the eye by means of the clear cut degrees scale fixed upon the double cell for holding two lenses. The eye is made of metal throughout and well finished.

M-115 Complete on stand as shown..... $3 50
M-120 Schematic eye, made of brass, well finished..... 1 50
M-125 Schematic eye. Has improved lens system on 4½-inch support with iron base.... 2 25

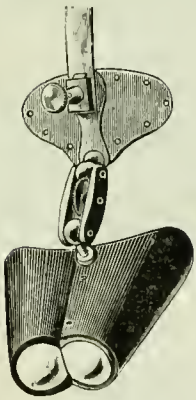
Do not mutilate catalogue.—Specify section letter and number in ordering.



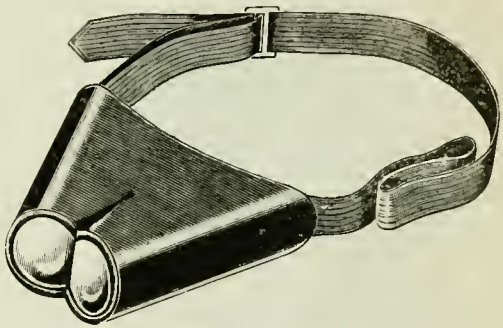
M-130



M-160



M-140



M-135

CONDENSING LENSES AND BINOCULAR LOUPES

M-130 Condensing lens, adjustable, Powell's, for oblique illumination or magnification ... $2 10

M-135 Binocular loupe, Berger's, for examination and operation upon the eye 3 50

M-140 Binocular loupe, Berger's, attached to either metal or fibre head band 5 00

M-150 Glass condensing lens, 2-in. diameter, 3-in. focus, metal rim and handle, in leather case 1 00

M-155 Condensing lens, Wood's, 2-in. diameter, 2½-in. focus, with wide rubber ring to protect surface of the glass $1 50



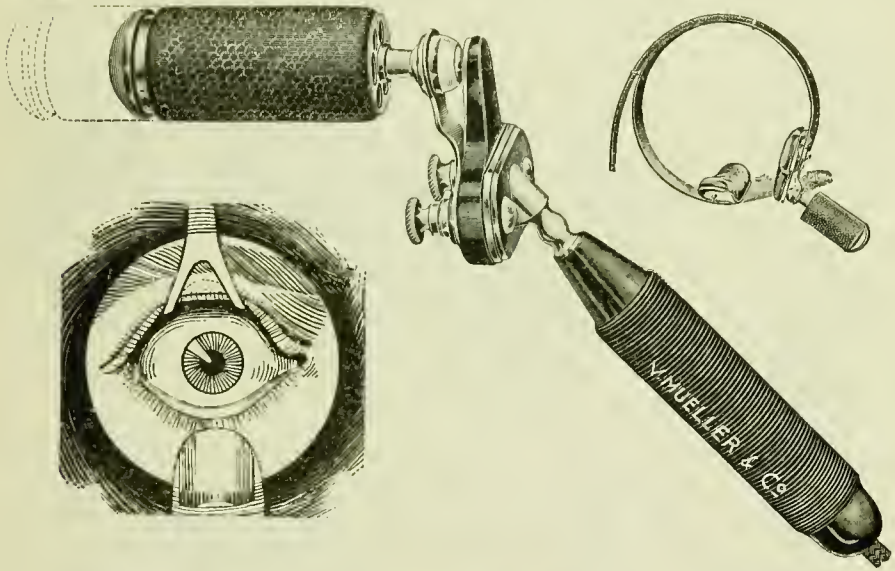
M-155



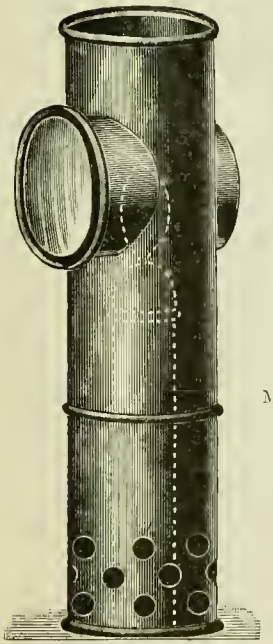
M-150

M-160 Binocular loupe, Berger's, attached to electric head light. The loupe can be removed from the head light when not needed for eye work, and the lamp is one of the best of this type for nose and throat work.
Complete as illustrated 15 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-165



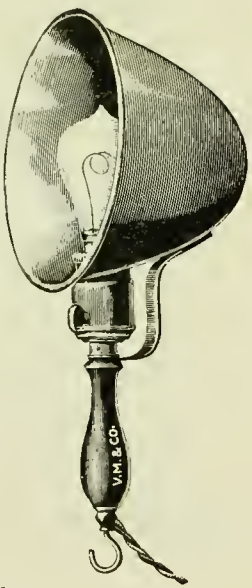
M-170



M-175



M-180



M-190

ILLUMINATING APPARATUS

M 165 V. Mueller & Co.'s interchangeable electric head and hand lamp, suggested by Dr. W. A. Fisher, and now used extensively in cataract operations, needling, etc. The part carrying the electric lamp can be quickly detached by means of thumb screws. The field of light is white and without shadows and can be increased or decreased by means of the telescoping lens.
Complete with handle and head band in case $16 50

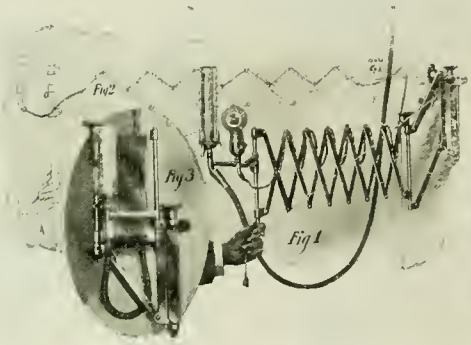
M-170 Condensor, Priestly Smith's with two condensing lenses. Complete with candles $5 00

M-175 Asbestos chimney with iris diaphragm 2 50

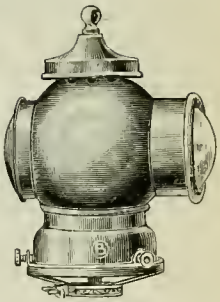
M-180 Asbestos chimney, plain with large and small hole 75

M-190 Portable lamp, with parabolic reflector of aluminum, for direct connection to the electric lighting system. Complete with 32 C. P. spiral filament Edison lamp.. 5 00

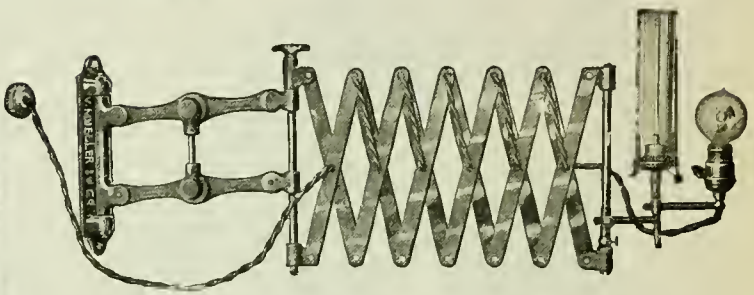
Do not mutilate catalogue.—Specify section letter and number in ordering.



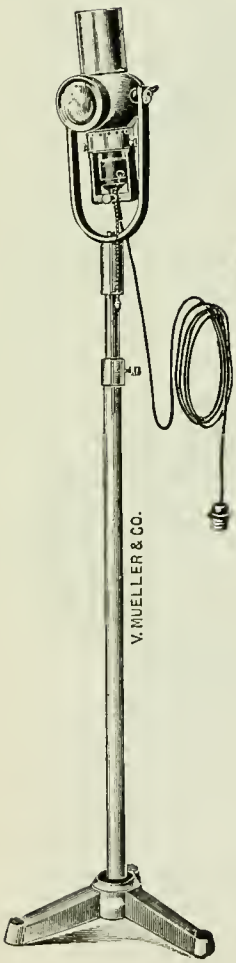
M-205



M-215



M-210



M-200

ILLUMINATING APPARATUS, ETC.

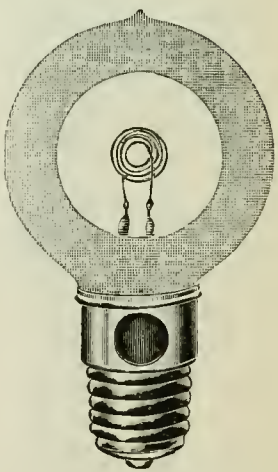
M-200 Coakley electric light stand. Complete including 8 ft. cord, lamp and attachment plug..$18 00

M-205 Extension bracket, Allison. Can be extended 6½ ft., and raised or lowered in all 22 inches. For gas with Argand burner, chimney and tubing 8 50

M-205A Extension bracket, Allison, for electric light, with 16 or 24 C. P. stereopticon lamp and swivel socket 10 00

M-205B Extension bracket, Allison, for both gas and electric light including all attachments 12 00

M-210 Extension bracket, Hardy's, can be furnished for gas or electric light, or both combined, with attachments same as the Allison bracket, M-205. Prices, $8 50; $10 00 and 12 00



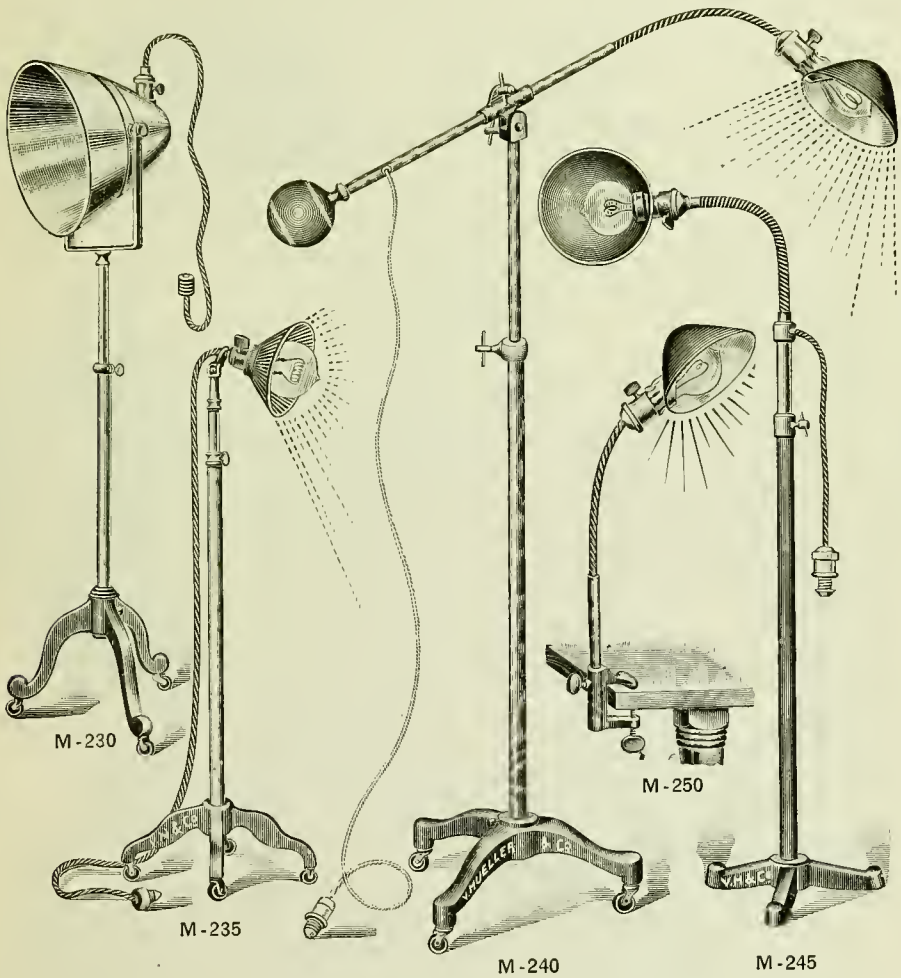
M-225

M-215 Boekel's electric condensor, regular size, $5 50; extra large size..... $7 00

M-225 Oculists lamp with spiral filament, 16 and 24 C. P., each $1 00; 32 C. P., $1 25; 50 C. P. 1 50

Manufacturers & Transportation Co.'s will not guarantee safe delivery of spiral filament lamps. We are therefore compelled to ship them at the purchasers risk.

Do not mutilate catalogue.—Specify section letter and number in ordering.



PORTABLE ELECTRIC LIGHT STANDS

M-230 Electric parabolic reflector, mounted on a strong adjustable stand with heavy base and rollers. It is fitted with a high candle power lamp. Diameter of reflector 10 in. $25 00

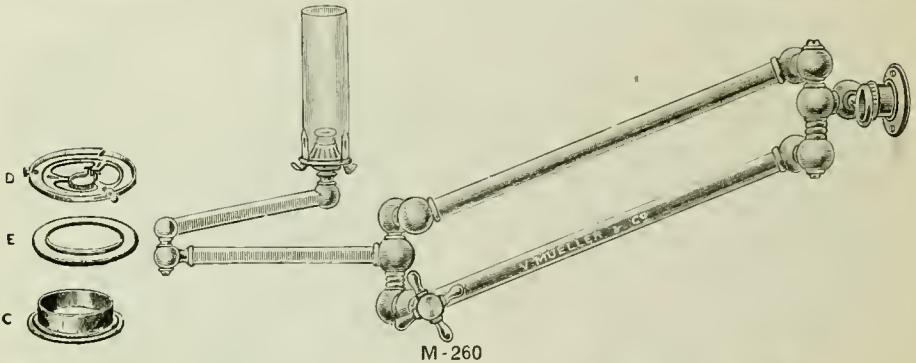
M-235 Electric illuminating stand, adjustable as to height and arranged so that it can be turned in every direction. Complete as illustrated. 17 50

M-240 The Eye and Ear Infirmary portable electric light stand is so constructed that the light can be placed where it is needed and in such a way that the stand proper is not in the way of the operator, assistants or spectators. It is principally intended for the use in the eye, ear, nose and throat operating room. The stand has a heavy base to make it firm, the upper portion has a flexible arm on one side and on the other side a counter weight. The base is finished in black, the balance of the stand in oxidized copper.
Complete including 50 C. P. Edison stereopticon lamp..... 20 00

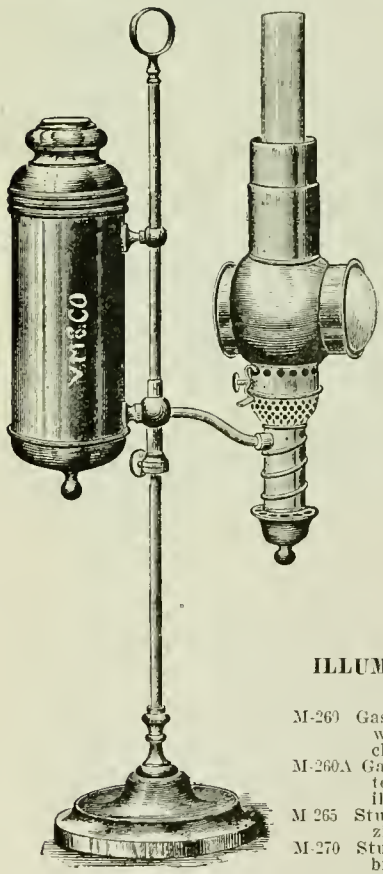
M-245 Electric light stand, adjustable with flexible arm.
Complete, as illustrated..... 12 50

M-250 Electric illuminating apparatus, Dr. Jos. Beck's. This is so arranged that it can be attached to any operating table or operating chair. The upper portion is of flexible material and the shaft itself can be turned in every direction. Outfit complete with cable, 32 C. P. Edison stereopticon lamp and parabolic reflector 7 50

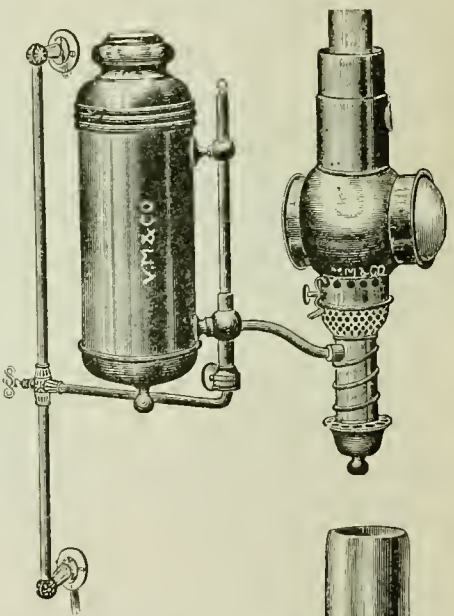
Do not mutilate catalogue.—Specify section letter and number in ordering.



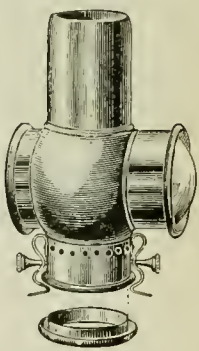
M-260



M-265



M-270



M-275

ILLUMINATING APPARATUS —Continued

M-260 Gas bracket, nickel plated, with Argand burner and chimney $8 00

M-260A Gas bracket, three arms extending to 19 inches, (not illustrated) 9 50

M 265 Students' lamp with McKenzie condensor 7 50

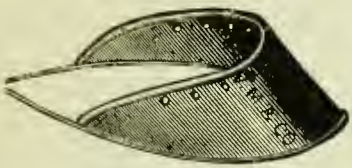
M-270 Students' lamp and wall bracket, with McKenzie condensor as illustrated.. 9 50

M-275 Condensor, McKenzie's, for students' lamp $3 50

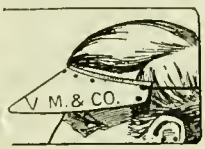
M 275A Condensor, McKenzie's, large size for use with Wellsbach or electric light..... 4 50

When ordering condensors, please state whether intended for students' lamp, gas or electric light, so we can send you the proper fitting for connection.

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-280



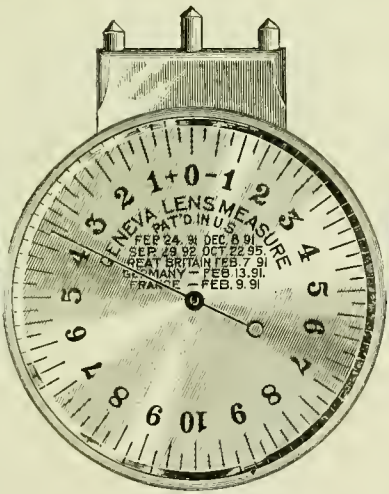
M-285



M-290



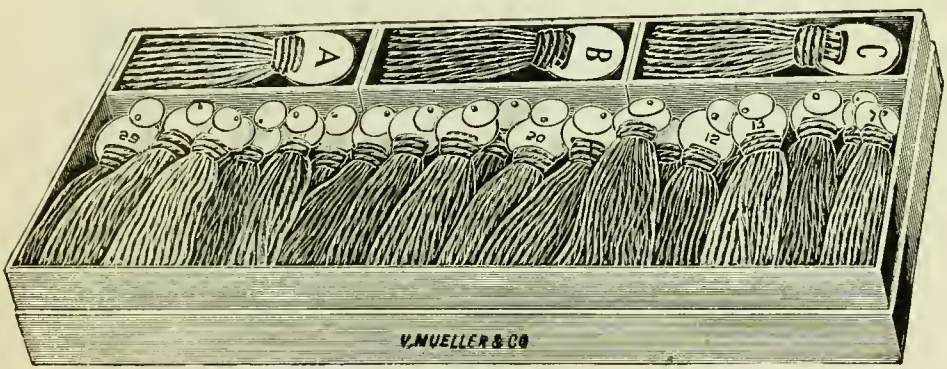
M-300



M-295



M-305



M-310

LENS MEASURES, EYE SHADES, ETC.

M-280 Eye shades, White's, with metal rim, per dozen $1 00

M-285 Eye shades, Ameer, made of transparent celluloid, and has rubber band to go around the head, dozen 70

M-290 Eye shades, Kinley's, with adjustable celluloid head band, translucent celluloid, dozen 1 30

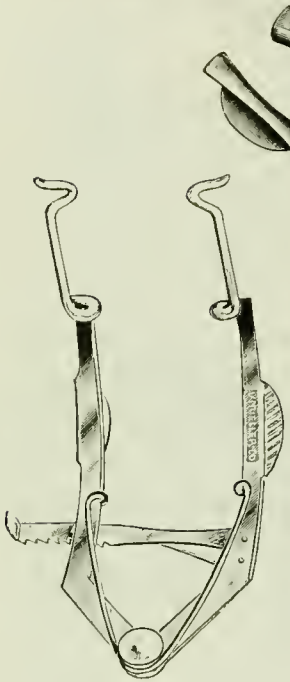
M-295 Lens measure, Geneva, latest model 6 50

M-300 Rotary prism, Risley's. This system will give all of the systems equivalent from 0 to 30 degrees 7 50

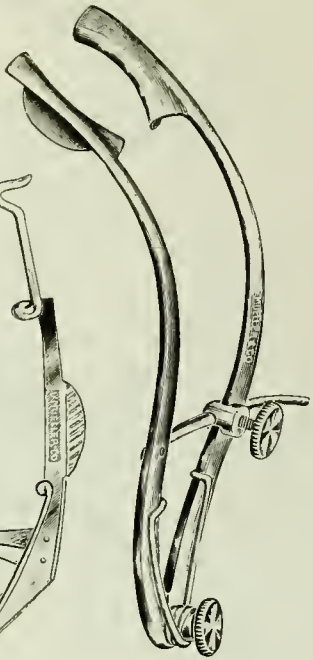
M-305 Axonometer, Thorington's latest model 1 00

M-310 Holmgren's color tests for color perception and color blindness, complete in box with directions 2 50

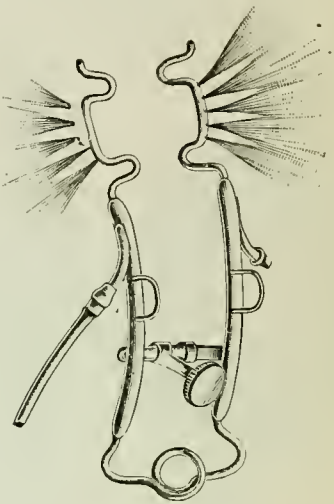
Do not mutilate catalogue.—Specify section letter and number in ordering.



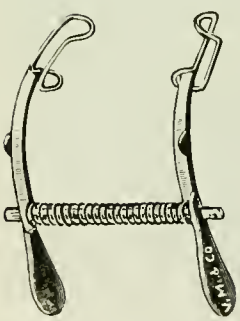
M-315



M-320



M-325



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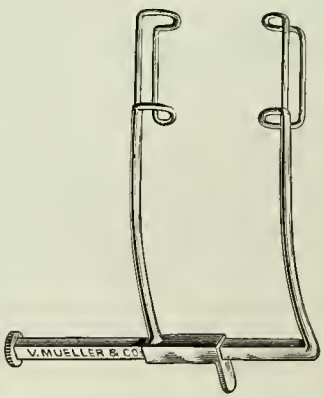
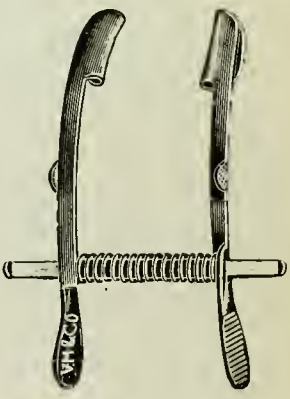


M-340

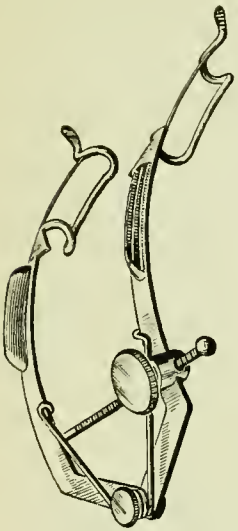


M-335

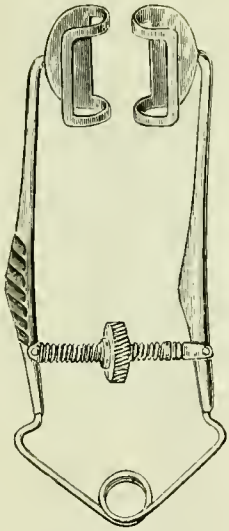
EYE SPECULA

M-315	Eye speculum, Shoemaker's	$1 75
M-320	Eye speculum, Lange's, illustration actual size, heavily gold plated	3 75
M-320A	Eye speculum, Lange's, same as M-320 but with blades fenestrated	3 75
M-325	Eye speculum, Pilling's, irrigating	3 50
M-330	Eye speculum, Mellinger's, made of German silver	1 25
M-335	Eye speculum, Beard's, with solid blade, made of German silver	1 50
M-340	Eye speculum, Murdock's, made of steel	2 00
M-345	Eye speculum, Stevenson's, adjustable, not illustrated	2 00
M-350	Eye speculum, plain wire, not illustrated	25

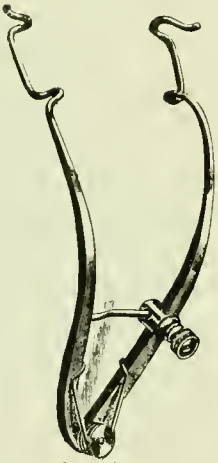
Do not mutilate catalogue.—Specify section letter and number in ordering.



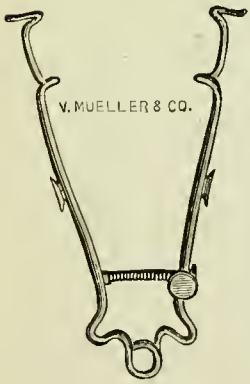
M-355



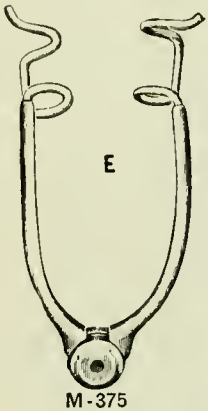
M-360



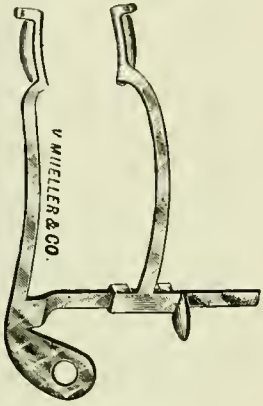
M-365



M-370



M-375



M-380



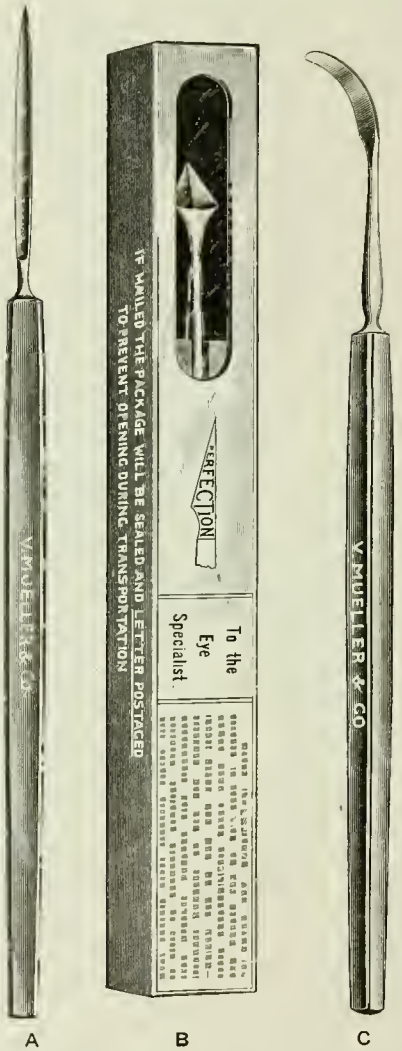
M-395

EYE SPECULA—Continued

M-355	Eye speculum, Skeele's	$3 50
M-360	Eye speculum, Ziegler's	4 00
M-365	Eye speculum, Knapp's	2 00
M-370	Eye speculum, Von Graefe's	1 25
M-375	Eye speculum, Major Smith's	2 00
M-380	Eye speculum, Monosmith's	1 75
M-385	Eye speculum, Noyes'	1 15
M-390	Eye speculum, Weber's	1 25



M-390



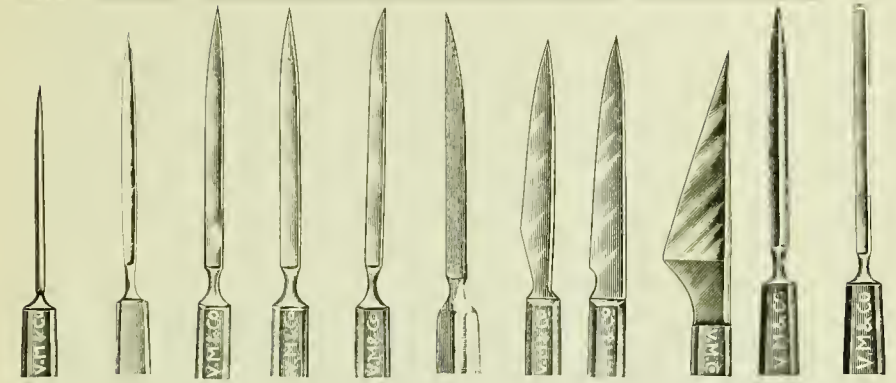
DESCRIPTION OF EYE KNIVES AND METHOD OF PACKING

The eye instruments illustrated above, (figures A and C) are actual size. Our handles are made of pure aluminum and therefore very light, which is considered a great advantage by many eye specialists in this country. Handles made of ivory, brass or German silver will be furnished to order.

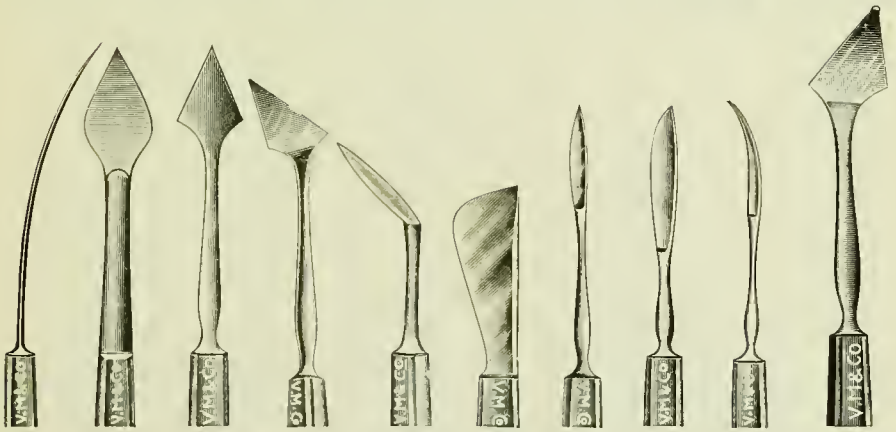
All of our eye knives when shipped are packed in sealed boxes as shown in Fig. B. This method of packing eye knives is original with our firm and has proven a great success. Each knife is placed into an individual box and sealed with the blade in full view, after being honed by an expert. When the knives are sealed in this way, the specialist is assured that the blades have not been tampered with since final honing.

When selecting knives please look for our trade mark "Perfection" on the box.

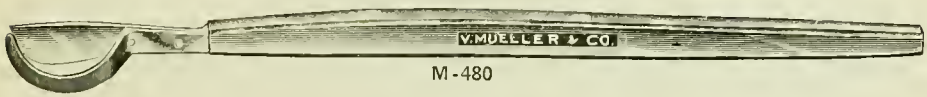
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-395 M-395A M-395B M-395C M-400 M-405 M-410 M-415 M-420 M-425 M-430



M-435 M-440 M-445 M-450 M-455 M-460 M-465 M-470 M-475

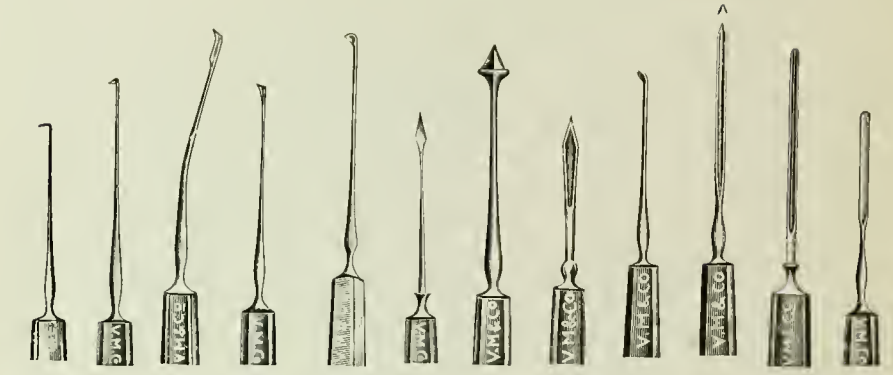


M-480

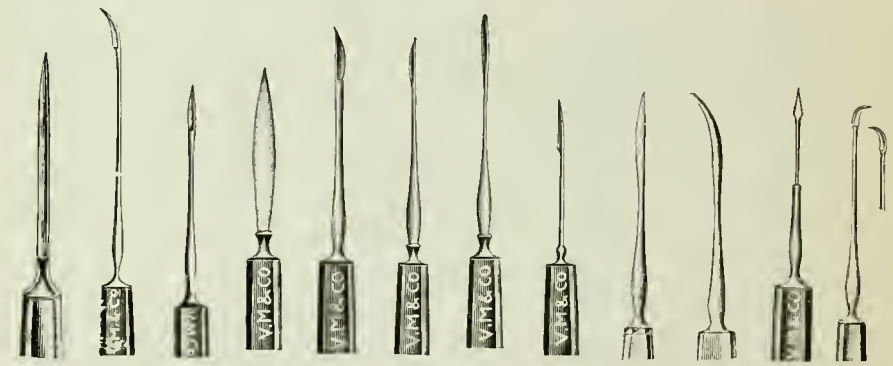
EYE KNIVES

M-395	Cataract knife, Von Graefe's, extra narrow	$1 50
M-395A	Cataract knife, Von Graefe's, small	1 50
M-395B	Cataract knife, Von Graefe's, medium	1 50
M-395C	Cataract knife, Von Graefe's, large	1 50
M-400	Cataract knife, Knapp's	1 50
M-405	Cataract knife, Greene's, straight edge, two sizes, each	1 50
M-410	Cataract knife, Jackson's	1 50
M-415	Cataract knife, Monoyer's	1 50
M-420	Cataract knife, Beer's, three sizes, each	1 50
M-425	Scleroticotomy knife, Deutschmann's, double edged	1 75
M-430	Probe point cataract knife, Black's, for enlarging the incision	1 75
M-435	Keratome, Landolt's, made in three sizes, each	1 50
M-440	Keratome, Jaeger's, straight, made in three sizes, each	1 50
M-445	Keratome, Jaeger's, angular, made in three sizes, each	1 50
M-450	Iridectomy knife, Critchett's	1 50
M-455	Lid knife, Beard's	1 25
M-460	Scalpel, for lid operation, center point, two sizes, each	1 25
M-465	Scalpel, for lid operation, bellied, made in three sizes, each	1 25
M-470	Bistoury, curved, sharp pointed	1 25
M-475	Keratome, Lichtenberg's, probe pointed for enlarging the primary incision	2 50
M-480	Lid knife, Ewing's, with guard	2 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



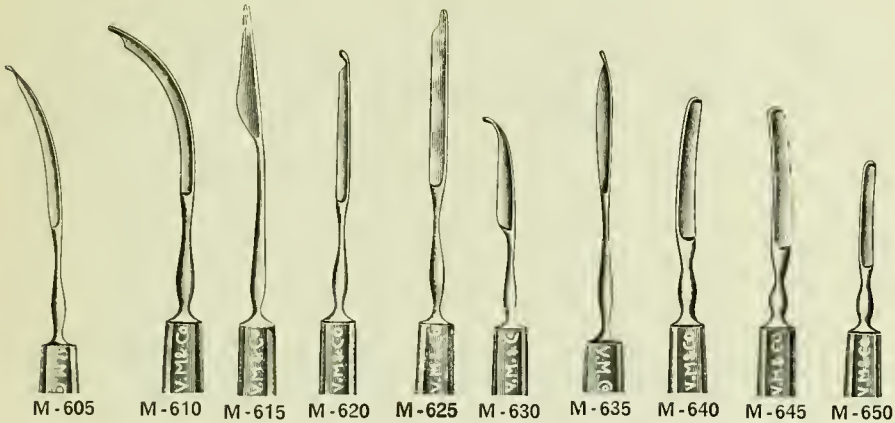
M-485 M-490 M-495 M-500 M-505 M-510 M-515 M-520 M-525 M-530 M-535 M-540



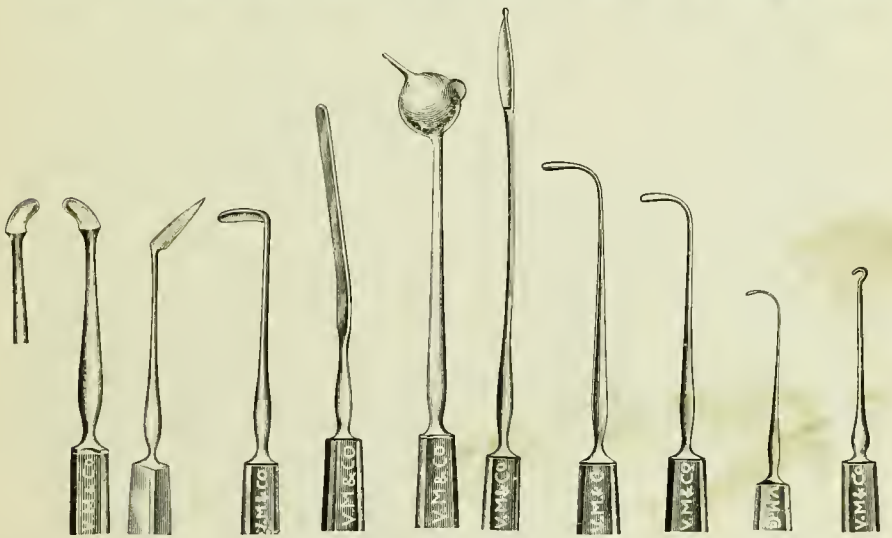
M-545 M-550 M-555 M-560 M-565 M-570 M-575 M-580 M-585 M-590 M-595 M-600

EYE KNIVES, ETC.—Continued

M-485	Cystotome, with needle point	$1 25
M-490	Cystotome, Von Graefe's	1 25
M-495	Cystotome, Knapp's	1 25
M-500	Cystotome, Wilder's	1 25
M-505	Cystotome, Beard's	1 25
M-510	Cataract needle, plain	1 15
M-515	Paracentesis needle, spear pointed with stop	1 25
M-520	Needle, grooved, Walton's, for soft cataract	1 25
M-525	Knife spud, La Force's, for foreign body	1 25
M-530	Gouge, triangular, Todd's, for foreign body	1 25
M-535	Spud, grooved, for foreign body	1 25
M-540	Spud, Dix's, for foreign body	1 10
M-545	Knife needle, Beard's. This is made same shape as a narrow cataract knife, but the cutting edge extends back only 5 mm. from the point	1 25
M-550	Knife needle, Von Graefe's, sickle shape	1 25
M-555	Knife needle, Knapp's, made in two sizes, each	1 25
M-560	Broad needle, Fox'	1 25
M-565	Knife for dividing membrane, Post's	1 50
M-570	Twin knife, Lange's, sharp pointed	1 50
M-575	Twin knife, Lange's, blunt pointed	1 50
M-580	Iris knife, Ziegler's, made in two sizes, each	1 50
M-585	Iris knife, Noble's	1 25
M-590	Iris knife, Galezowski's	1 50
M-595	Iris needle, Bowman's, with stop	1 25
M-600	Capsulotome, Darling's	1 50



M-605 M-610 M-615 M-620 M-625 M-630 M-635 M-640 M-645 M-650

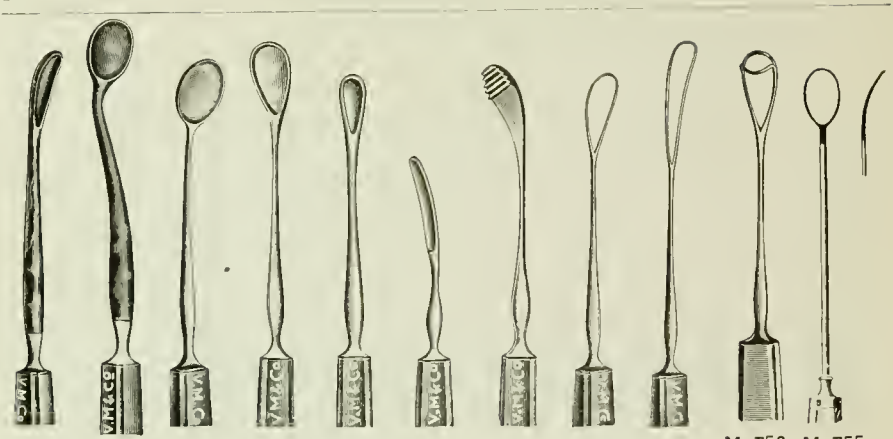


M-655 M-660 M-665 M-670 M-675 M-680 M-685 M-690 M-695 M-700

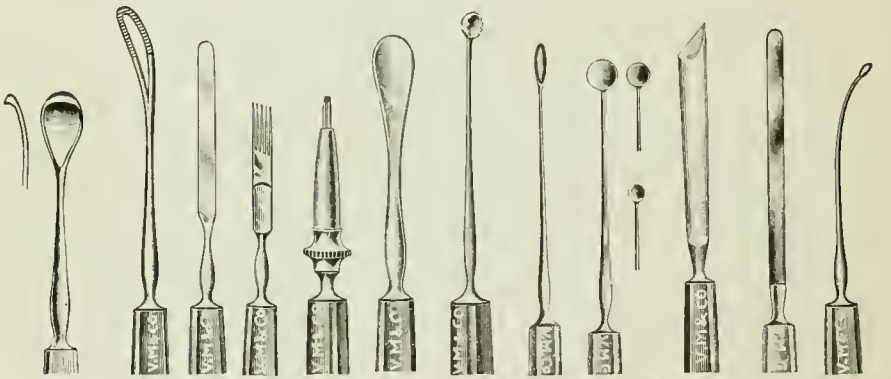
EYE KNIVES, ETC.—Continued

M-605	Canaliculus knife, Weber's, curved	$1 25
M-610	Canaliculus knife, Weber's, full curved	1 25
M-615	Canaliculus knife, Schmidt-Rimpler's	1 25
M-620	Canaliculus knife, Weber's, straight	1 25
M-625	Canaliculus knife, Noyes', straight	1 25
M-630	Canaliculus knife, Noyes-Stilling's	1 25
M-635	Canaliculus knife, Agnew's	1 25
M-640	Secondary knife, Desmarres', concave	1 25
M-645	Secondary knife, Desmarres', convex	1 25
M-650	Secondary knife, Desmarres', straight	1 25
M-655	Pterygium knives, Young's, right and left, each	1 50
M-660	Pterygium knife, McReynold's	1 75
M-665	Pterygium divulsor, Prince's	1 50
M-670	Spatula for cyclo dialosis operation, Meller's	1 50
M-675	Eye cautery, Wadsworth-Todd's	2 50
M-680	Canaliculus knife, Agnew's, long shank	1 25
M-685	Strabismus hook, Von Graefe's, large	1 00
M-690	Strabismus hook, Von Graefe's, small	1 00
M-695	Tenotomy hook, Stevens'	1 00
M-700	Hook, blunt or sharp, Tyrell's	1 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-705 M-710 M-715 M-720 M-725 M-730 M-735 M-740 M-745 M-750 M-755

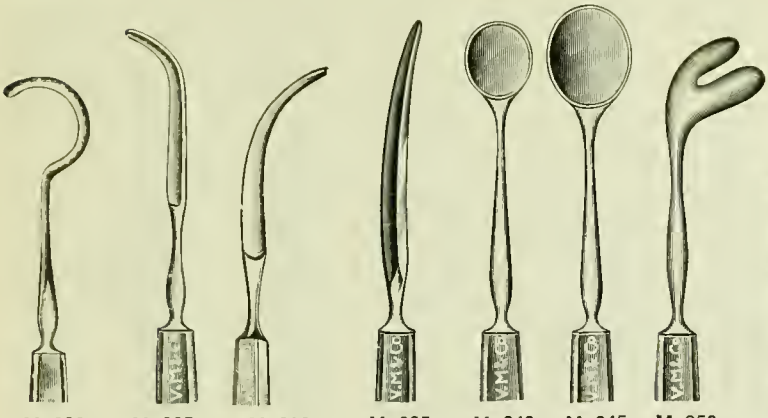


M-760 M-765 M-770 M-775 M-780 M-785 M-790 M-795 M-800 M-810

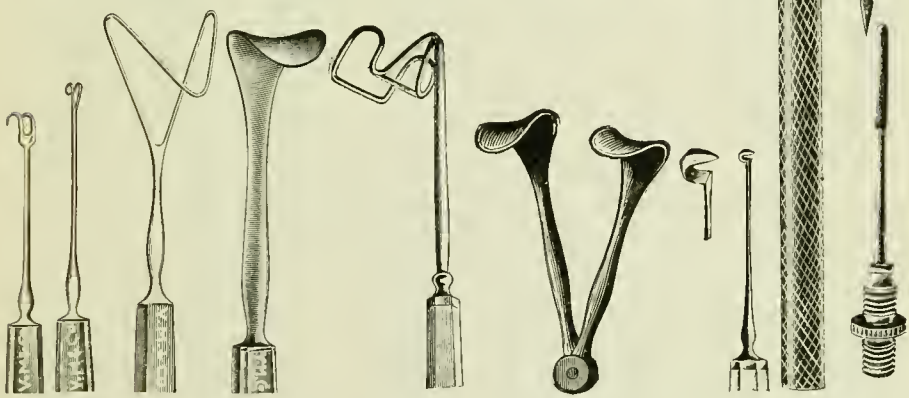
SCOOPS, SPATULAS, CURETTES, ETC.

M-705	Lens scoop, shell small	$1 35
M-710	Lens scoop, Von Graefe's, shell, large	1 35
M-715	Lens scoop, Pagenstecher's	1 25
M-720	Lens scoop, Knapp's	1 25
M-725	Lens scoop, Waldau's	1 15
M-730	Lens scoop, Daviel's	1 25
M-735	Lens scoop, Richard's	1 25
M-740	Lens scoop, fenestrated, Lewis', plain or serrated	1 25
M-745	Lens scoop, Wilder's, long shape, serrated	1 25
M-750	Cataract retractor, fenestrated, Prince's	1 50
M-755	Lens scoop, Taylor's, fenestrated, with flexible shank	1 50
M-760	Lens scoop, Critchett's, concave	1 25
M-765	Lens scoop, Arlt's, fenestrated and serrated	1 25
M-770	Tatooing needle and spatula, Baeder's	2 00
M-775	Tatooing needle and spatula, De Wecker's	2 00
M-780	Curette, chalazion, Skeele's, serrated edge	1 50
M-785	Curette, chalazion, Hebra's, made in two sizes, each	1 25
M-790	Curette, chalazion, Meyhoefer's, made in three sizes, each	1 25
M-795	Knife for cutting chalazion, Stevenson's	1 50
M-800	Iris repositor, shell	1 35
M-805	Iris repositor, silver	1 25
M-810	Probe, silver	1 10

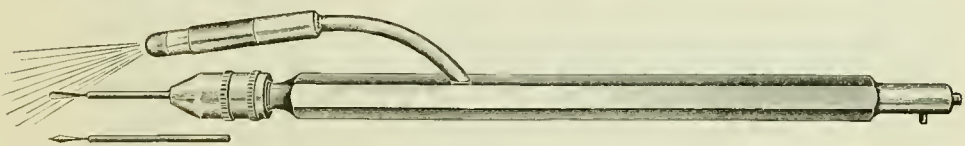
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-820 M-825 M-830 M-835 M-840 M-845 M-850



M-855 M-860 M-865 M-870 M-875 M-880 M-885 M-890



M-890A

KNIVES, SCOOPS, RETRACTORS, ETC.

M-820	Enucleation knife, Brazil's	$1 50
M-825	Enucleation knife, Monosmith's	1 50
M-830	Exenteration knife spud, Beard's	1 50
M-835	Dissector for lid work, Beard's	1 25
M-840	Exenteration spoon, Bunge's, small	1 50
M-845	Exenteration spoon, Bunge's, large	1 50
M-850	Enucleation scoop, Weil's	1 50
M-855	Fixation hook, double	1 25
M-860	Lens retractor, Von Graefe's	1 25
M-865	Lid retractor, Stevenson's, fenestrated	1 50
M-870	Lid retractor, Desmarres', made in three sizes, each	1 00
M-875	Lid retractor, fenestrated, Noyes'	1 25
M-880	Lid retractor, jointed	1 00
M-885	Corneal curette	1 75
M-890	Pocket eye instrument, with grooved spud and curved needle	1 25
M-890A	Illuminated eye spud, complete with spud and needle	4 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-895



M-905



M-910



M-915



M-920



M-925



M-930



M-900



M-935

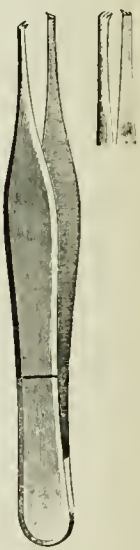


M-940

EYE OPERATING INSTRUMENTS

M-895	Eye lid retractor, Fisher's, fenestrated	$1 15
M-900	Eye lid retractor, Fisher's, with solid blades	1 00
M-905	Double end spatula, Greene's modification of Major Smith's	2 00
M-910	Spatula and pressure probe, Greene's, probe of silver	2 00
M-915	Lid retracting hook, Greene's modification of Major Smith's, probe end of silver	1 50
M-920	Pressure hook, Greene's modification of Major Smith's, probe end of silver	1 50
M-925	Iris spatula and hook, Knapp's, made of silver	2 00
M-930	Cataract knife, Greene's, employed in the so called Indian operation, made in two sizes, each	1 50
M-935	Lens extractor, Savage's, double ended	2 00
M-940	Capsule forceps, Mathieu's, for use in Indian operation	1 00
M-945	Fixation forceps, Greene's, for use in Indian operation, one and two teeth, $1 10; two and three teeth	1 25

Do not mutilate catalogue.—Specify section letter and number in ordering.



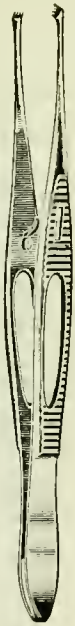
M-945


M-950


M-955


M-960

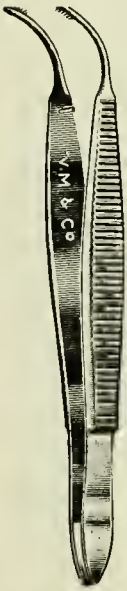

M-965


M-970

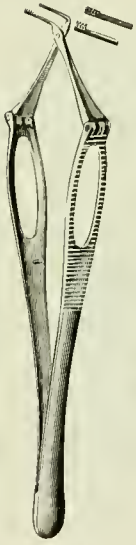

M-975

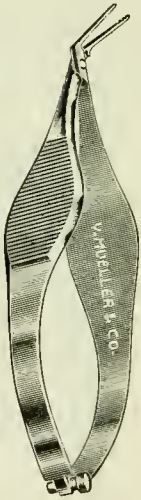

M-980


M-985


M-990


M-995


M-1000


M-1005

FIXATION AND CAPSULE FORCEPS

M-950 Fixation forceps, Beard's..... $4 00
M-955 Fixation forceps, with catch, Gifford's, new model..... 1 75
M-960 Fixation forceps, Von Graefe's.... 1 00
M-965 Fixation forceps, with catch, Von Graefe's, straight, $1 35; curved 1 50
M-970 Fixation forceps, Dudley's..... 2 50
M-975 Fixation forceps, Prince's..... 1 50
M-980 Capsule forceps, Fuch's..... 1 50
M-985 Capsule forceps, Smith's..... $5 00
M-990 Capsule forceps, Knapp's..... 1 65
M-995 Capsule forceps, Fisher's, new model 2 00
M-1000 Capsule forceps, Knapp's latest model 5 00
M-1005 Capsule forceps, Francis' very delicate model 4 50

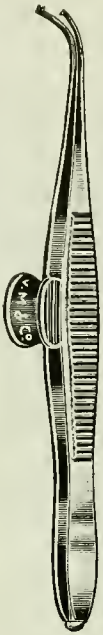
Do not mutilate catalogue.—Specify section letter and number in ordering.



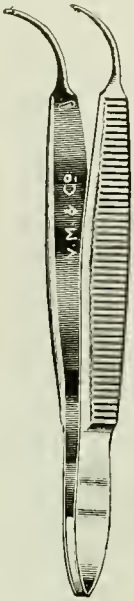
M-1010



M-1015



M-1020



M-1025



M-1030



M-1035


M-1040



M-1045



M-1050



M-1055


FULL SIZE.
M-1060


M-1065

STRABISMUS AND IRIS FORCEPS

M-1010 Iris forceps, two patterns, heavy and fine, each $0 90
M-1015 Strabismus forceps 1 00
M-1020 Iris forceps, Liebreich's 3 00
M-1025 Iris forceps, Foerster's 1 50
M-1030 Iris forceps, Stevens' 1 00
M-1035 Tendon forceps, Stevens', with catch 1 75
M-1040 Iris forceps, Liebreich's latest model 4 25
M-1045 Iris forceps, curved $1 10
M-1050 Iris forceps, Donberg's, broad handle 1 40
M-1055 Iris forceps, Noble's, delicate model, curved 1 35
M-1060 Iris forceps, Noble's, delicate model, straight 1 25
M-1065 Iris forceps, Fisher's, small model 1 25



M-1070



M-1075



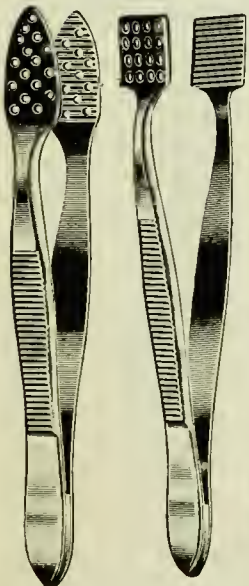
M-1080



M-1085

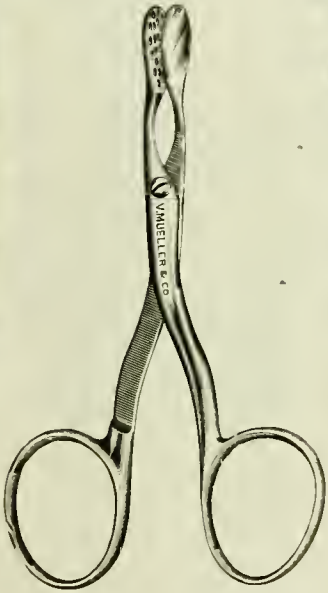


M-1090



M-1095

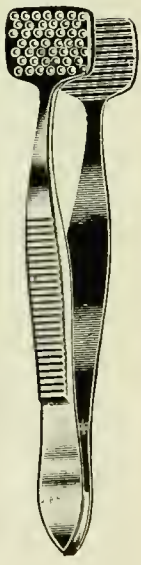
M-1100



M-1105



M-1110

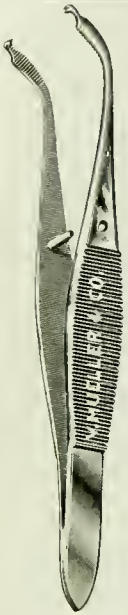


M-1115

TRACHOMA FORCEPS

M-1070 Trachoma forceps, Prince's..... $1 50
M-1075 Trachoma forceps, Hotz'..... 1 25
M-1080 Trachoma forceps, Knapp's original model..... 1 85
M-1085 Trachoma forceps, Knapp's improved model 1 85
M-1090 Trachoma forceps, Noyes'..... $1 50
M-1095 Trachoma forceps, Kuhnt's, No. 1 2 50
M-1100 Trachoma forceps, Kuhnt's, No. 2 2 50
M-1105 Trachoma forceps, Kuhnt's, No. 3 2 50
M-1110 Trachoma forceps, Kuhnt's, No. 4 2 50
M-1115 Trachoma forceps, Stevenson's... 2 25

Do not mutilate catalogue.—Specify section letter and number in ordering.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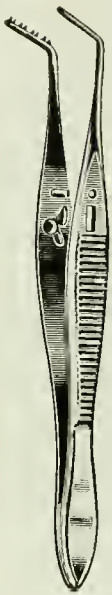
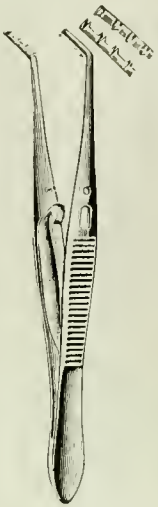

M-1125


M-1130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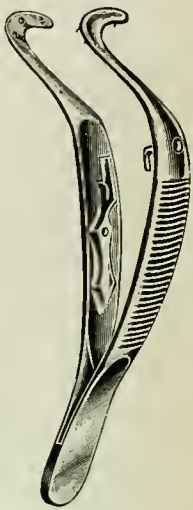
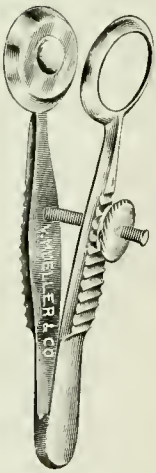

M-1140


M-1145


M-1150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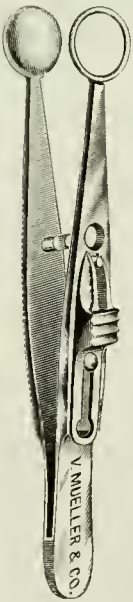
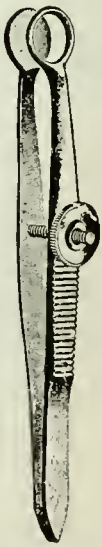

M-1160

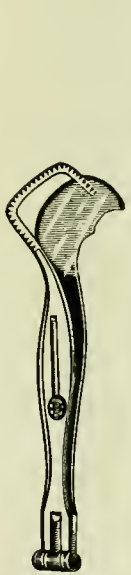

M-1165


M-1170

ADVANCEMENT AND CHALAZION FORCEPS, ETC.

M-1120	Pterygium forceps, McReynold's	$2 25	M-1145	Chalazion forceps, Ayres'	$1 50
M-1125	Advancement forceps, Hotz'	2 00	M-1150	Chalazion forceps, Francis'	3 00
M-1130	Advancement forceps, Prince's, English model	2 00	M-1155	Chalazion forceps, Wiener's	2 50
M-1135	Advancement forceps, Prince's, regular	1 75	M-1160	Chalazion forceps, Spencer's	2 50
M-1140	Advancement forceps, Stevenson's	3 50	M-1165	Chalazion forceps, Lambert's	2 50
			M-1170	Chalazion forceps, Hunt's	2 50

Do not mutilate catalogue.—Specify section letter and number in ordering.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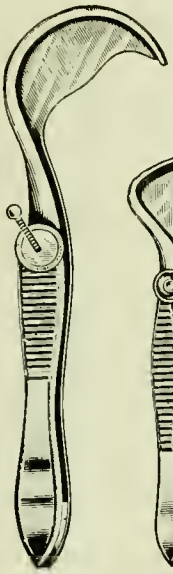
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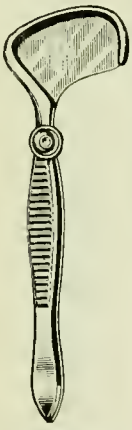

M-1185

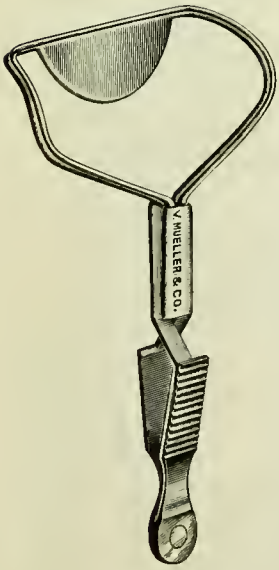

M-1190



M-1195



M-1200



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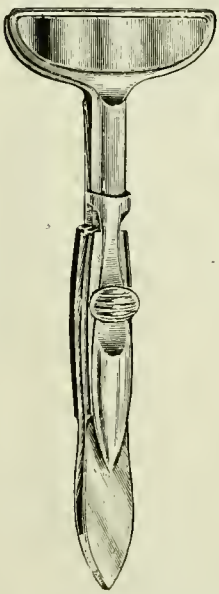
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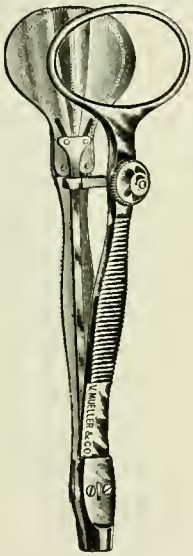

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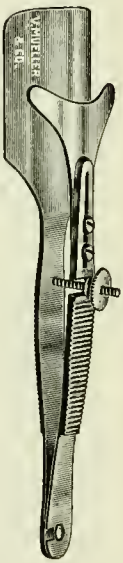


M-1220

ENTROPIUM FORCEPS AND LID CLAMPS

M-1175	Entropium forceps, Prout's, reversible	$2 50
M-1180	Entropium forceps, Lawrence's, R. and L., each	2 00
M-1185	Entropium forceps, Snellen's	2 00
M-1190	Entropium forceps, Desmarres'	1 60
M-1195	Lid clamp, Beard's	2 00
M-1200	Lid clamp, Wilder's	2 00
M-1205	Lid clamp, Ewing's	$3 50
M-1210	Lid clamp, Ziegler's, for cautery purposes	3 00
M-1215	Entropium forceps, Wilder's, adjustable	6 50
M-1220	Entropium forceps, Black's, latest model	4 50

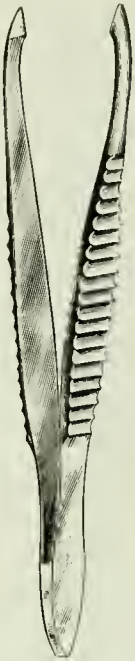
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-1230



M-1235



M-1240



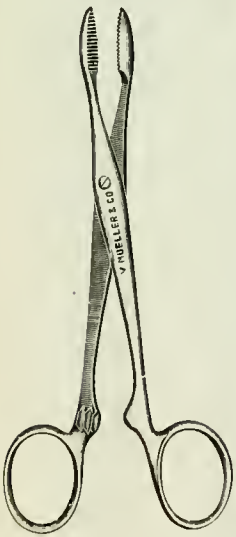
M-1245



M-1250



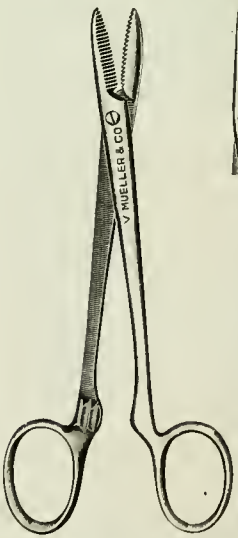
M-1255



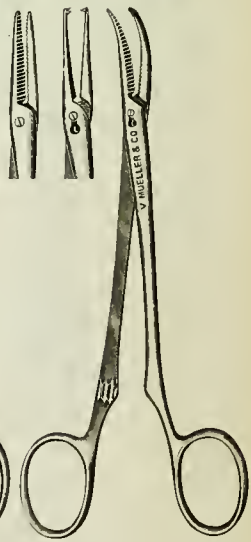
M-1260



M-1265



M-1270

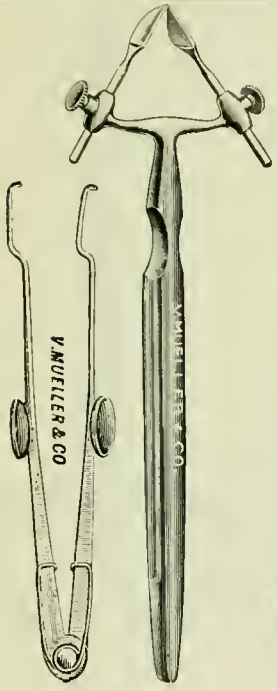


M-1275

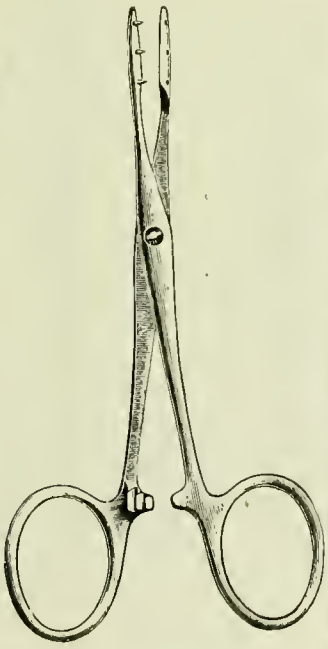
DRESSING, CELIA AND ARTERY FORCEPS

M-1230	Dressing forceps, straight, serrated	$0 80
M-1235	Dressing forceps, curved, serrated	90
M-1240	Celia forceps, Ziegler's	50
M-1245	Celia forceps, regular pattern	40
M-1250	Tissue forceps, serrated	45
M-1255	Tissue forceps, with mouse teeth	60
M-1260	Artery forceps, Pean's, best grade	$0 45
M-1265	Artery forceps, Jones' curved	90
M-1270	Artery forceps, Jones' or Tait's	85
M-1275	Artery forceps, mosquito pattern, straight, curved or mouse tooth, each	90

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-1280 M-1285



M-1290



M-1295



M-1300



M-1305



M-1310

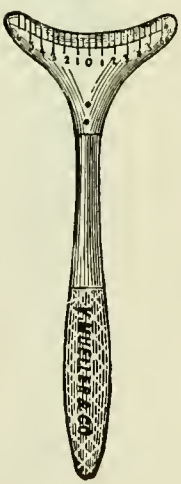


M-1315

EYE INSTRUMENTS

M-1280	Strabismus hook, double, Valk's	$2 50
M-1285	Entropium knife, double, Wilder's	3 50
M-1290	Grattage forceps, Darrier's	1 75
M-1295	Capsule punch, Stevenson's	10 00
M-1300	Grattage knife, Week's	5 00
M-1305	Irrigator and retractor, Lagrange's	3 00
M-1310	Pencil's, alum or blue vitriol, each	25
M-1315	Lid plate, hard rubber, Jaeger's	40
M-1320	Strabismometer, Lawrence's, metal	1 75

Do not mutilate catalogue.—Specify section letter and number in ordering.



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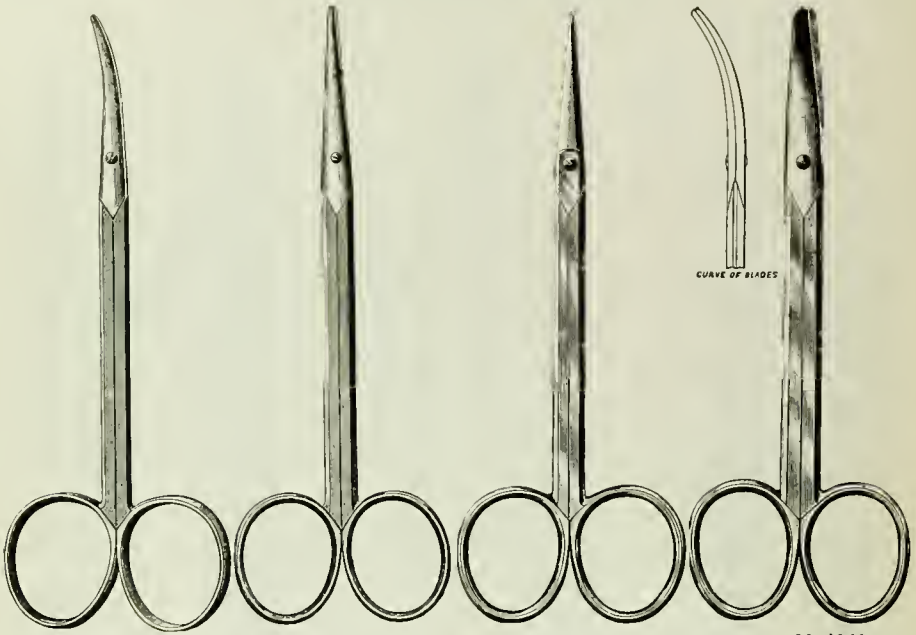
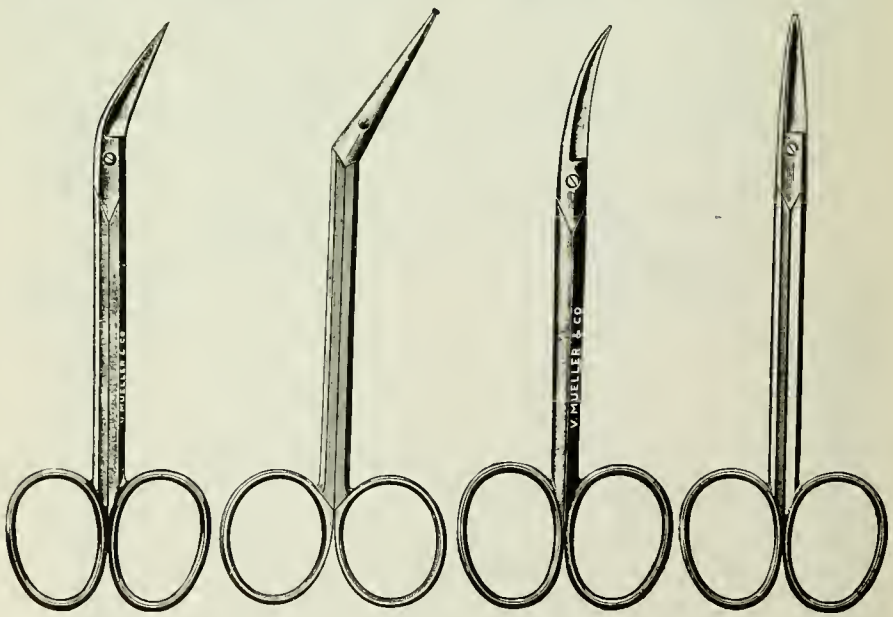


M-1325 M-1330 M-1335 M-1340

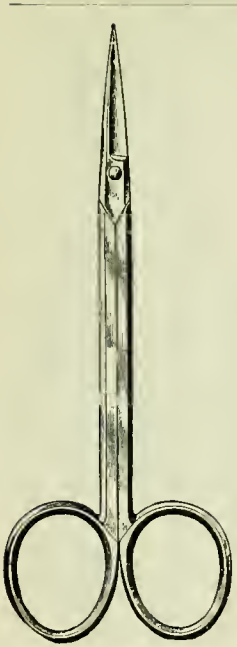


M-1345 M-1350 M-1355 M-1360

EYE SCISSORS

M-1325 Strabismus scissors, curved..... $1 15
M-1330 Strabismus scissors, straight.... 1 15
M-1335 Strabismus scissors, probe pointed 1 15
M-1340 Enucleation scissors, slight curve 1 25
M-1345 Iris scissors, angular..... 1 15
M-1350 Strabismus scissors, angular, probe pointed $1 25
M-1355 Strabismus scissors, curved, sharp pointed 1 25
M-1360 Strabismus scissors, straight, blunt point, ordinary..... 1 00

Do not mutilate catalogue.—Specify section letter and number in ordering.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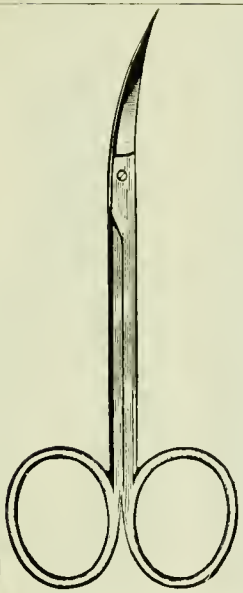
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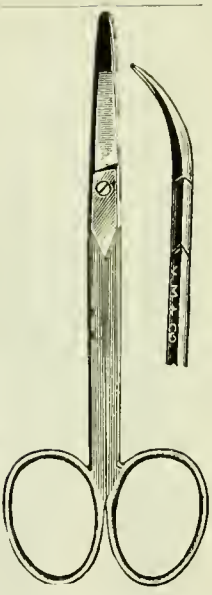
M-1375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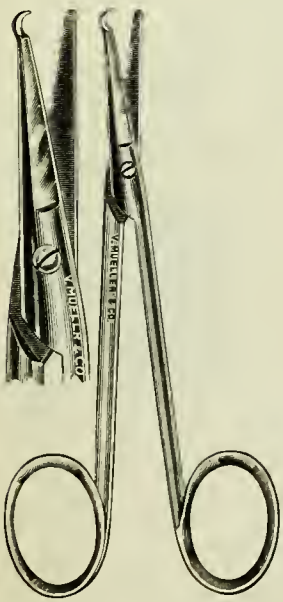
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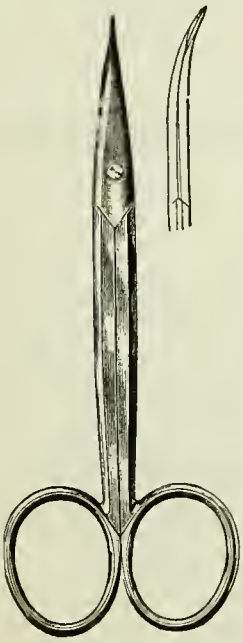

M-1390


M-1395

EYE SCISSORS

M-1365 Iris scissors, straight, sharp pointed, two sizes light and heavy, each $1 10

M-1370 Iris scissors, V. M. & Co.'s special pattern, delicate, curved, sharp pointed 1 25

M-1375 Iris forceps, regular, curved.... 1 15

M-1380 Enucleation scissors, V. M. & Co.'s special pattern acute curve $1 25

M-1385 Stitch scissors, Spencer's..... 1 85

M-1390 Tenotomy scissors, Stevens'..... 1 25

M-1395 Iris scissor, angular..... 1 25

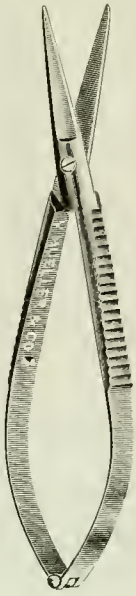
Do not mutilate catalogue.—Specify section letter and number in ordering.


M-1400



M-1405


M-1410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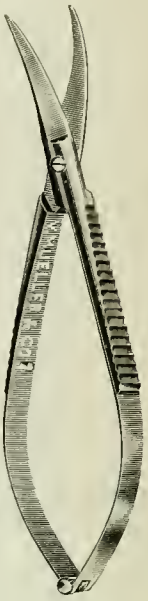

M-1420


M-1425


M-1430

EYE SCISSORS—Continued

M-1400	Tenotomy scissors, Westcott's	$4 00
M-1405	Iris scissors, Westcott's	4 00
M-1410	Iris scissors, Mathieu's, straight	3 00
M-1410A	Iris scissors, Mathieu's, curved	3 50
M-1415	Strabismus and general purpose scissors, Westcott's new model, straight	4 00
M-1420	Strabismus and general purpose scissors, Westcott's new model, curved	4 00
M-1425	Iris scissors, Noyes'	4 00
M-1430	Iris scissors, McClure's	3 50
M-1435	Iris scissors, De Wecker's, made with two size blades, each	4 50

Do not mutilate catalogue.—Specify section letter and number in ordering.


M-1435



M-1440



M-1445

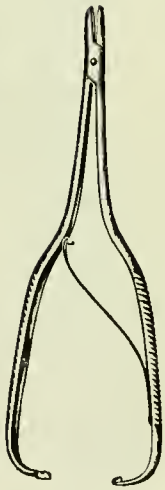


M-1450


M-1455



M-1460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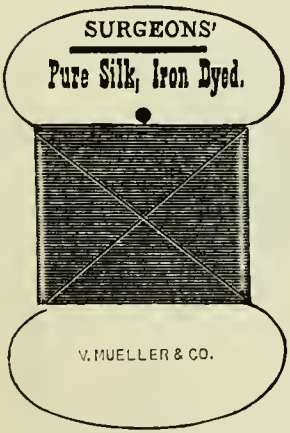

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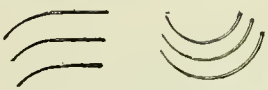
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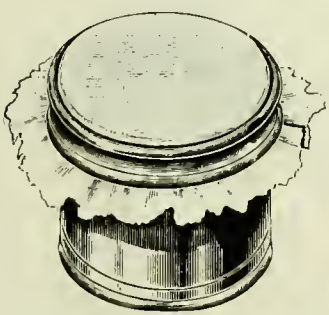
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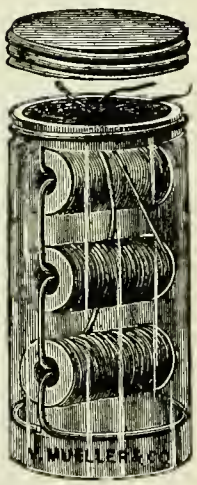

M-1480

NEEDLE HOLDERS, SUTURE MATERIAL, ETC.

M-1440	Strabismus needle, Woodruff's, right and left, each	$1 75
M-1445	Needle holder, Knapp's	3 00
M-1450	Needle holder, Fisher's	3 00
M-1455	Needle holder, Stevens'	3 00
M-1460	Needle holder, Stevenson's	3 00
M-1465	Needle holder, Boynton's	3 00
M-1470	Eye needles, half curved or full curved, regular, dozen	40
	Patent eye needles, dozen	75
M-1475	Silk, iron dyed, on cards, braided, each	15
	Twisted, each	10
M-1480	Silk, iron dyed, three spools in sealed bottle	60
M-1480A	Catgut, plain or chromotized, three spools in sealed bottle	60
M-1485	Test drum, hard rubber, large size including test kid	50

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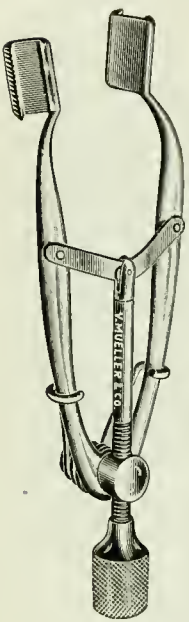
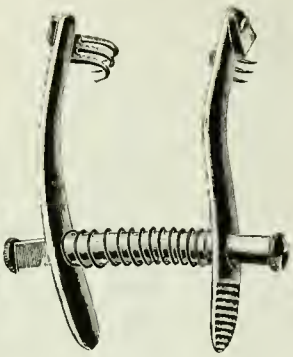
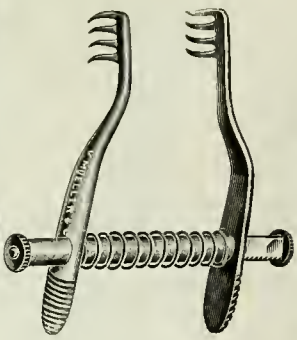


M-1490



M-1500



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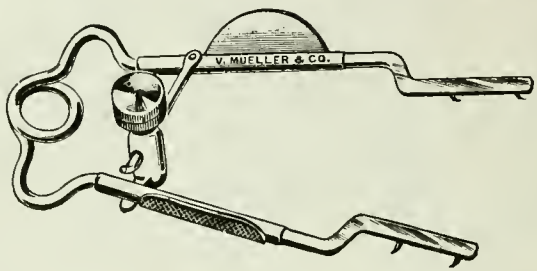

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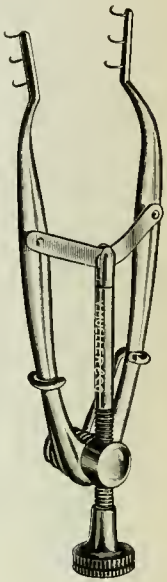

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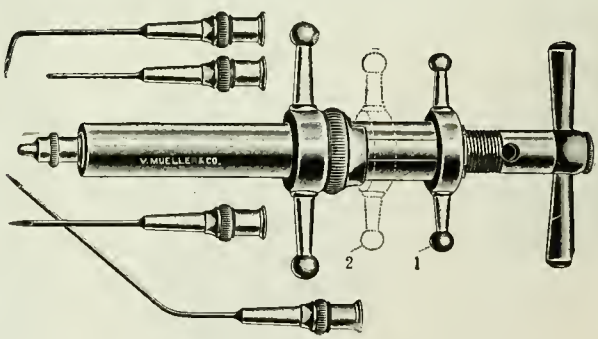
M-1515



M-1525



M-1520

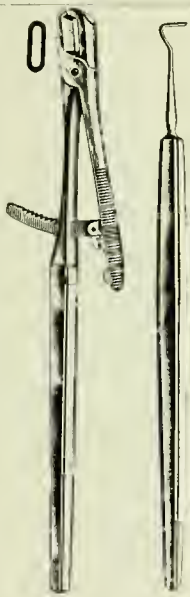
LACHRYMAL SAC RETRACTORS, PARAFFIN SYRINGE, ETC.

M-1490	Lachrymal sac retractor, Stevenson's latest model	$3 50
M-1495	Lachrymal sac retractor, Stevenson's original model	3 25
M-1500	Lachrymal sac retractor, Axenfeld's	3 25
M-1505	Lachrymal sac retractor, Wilder's	3 00
M-1510	Lachrymal sac retractor, Mueller's (Vienna) gold plated	2 50
M-1515	Lachrymal sac retractor, Beard's	1 25
M-1520	Lachrymal sac dissector, Wilder's	1 25
M-1525	Paraffin syringe, Beck-Mueller's, for injecting cold paraffin into the lachrymal sac and for plastic surgery on the nose, etc. With four canulas, in case	12 00

Do not mutilate catalogue.—Specify section letter and number in ordering.


M-1530


M-1535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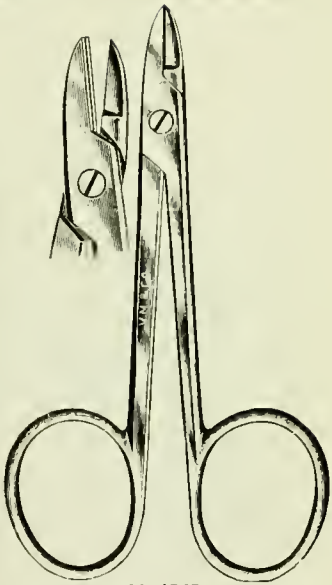
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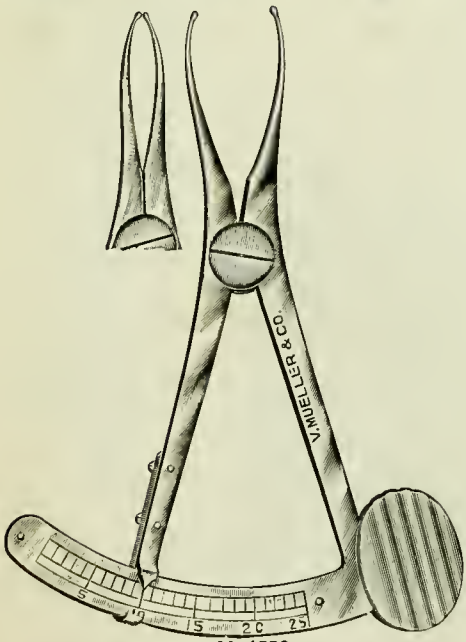

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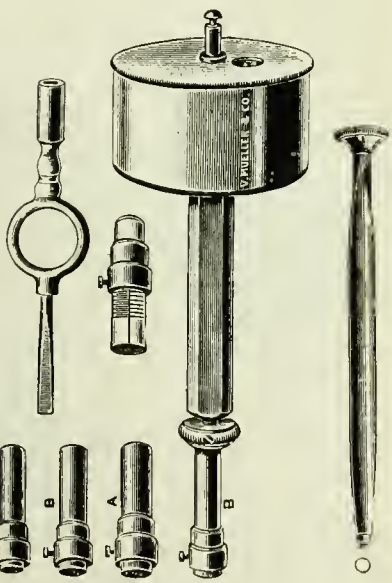
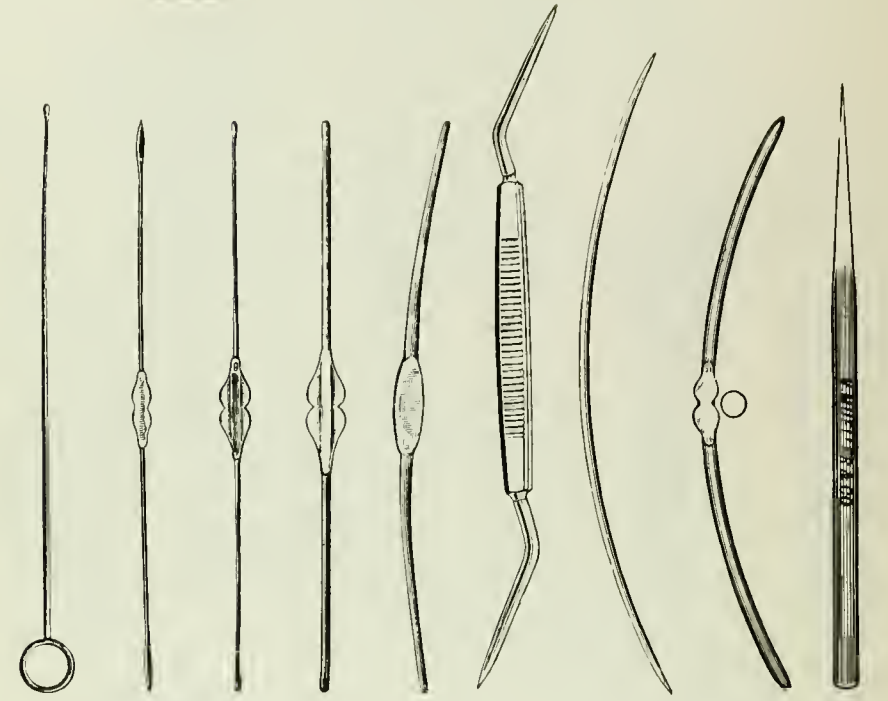


M-1555

M-1560

TENDON TUCKERS, CORNEAL TREPHINES, ETC.

M-1530	Tendon tucker, Todd's	$3 50
M-1535	Tendon tucker, Greene's, right and left, each	2 50
M-1540 and M-1545	Tenotomy instruments, Bigg's, set of three instruments	10 00
M-1550	Strabometer, Woodruff's, new model, automatic, for measuring the degrees of strabismus	5 50
M-1555	Corneal trephine, Hippel's, the correct model from the original makers in Europe, net	35 50
M-1560	Corneal trephine, Bowman's, three sizes, each	5 00

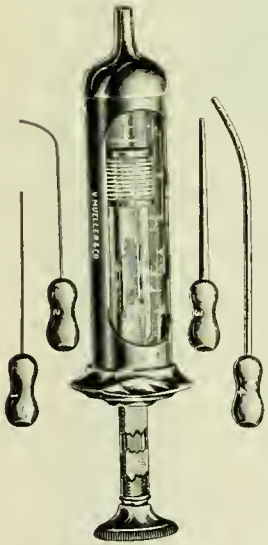




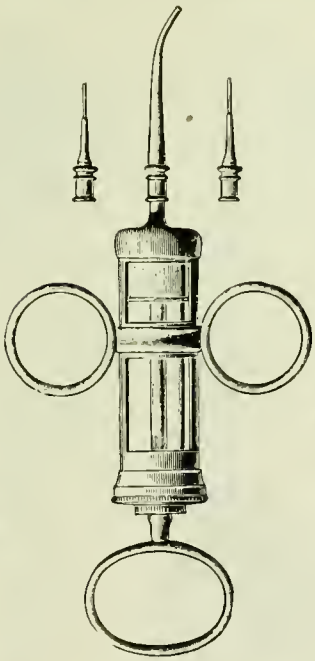


LACHRYMAL PROBES, DILATORS, CANULAS, ETC.

M-1575	Lachrymal probe, Anel's	$0 25
M-1580	Lachrymal probe, William's, eight sizes, each	1 00
M-1585	Lachrymal probe, Hotz', six sizes, each	50
M-1590	Lachrymal probe, Bowman's, plated, $0 25; silver	45
M-1595	Lachrymal dilator, Weber's, plated	60
M-1600	Lachrymal dilator, Ziegler's, double ended	1 50
M-1605	Lachrymal dilator, Ziegler's, double ended, fine	50
M-1610	Lachrymal probe, Theobald's, silver, sixteen sizes, each	85
M-1615	Lachrymal dilator, Netelschip-Wilder's, three sizes, each	35
M-1620	Lachrymal canula, Prince's, r. and l., each	50
	Lachrymal canulas from M-1625 to M-1650, each	45
M-1640	and M-1645 Lachrymal styles, each	35
M-1655	Lead wire, grooved for making lachrymal styles, 18 in. length	35
M-1660	Forceps, Ziegler's, for introducing grooved lead styles	3 00



M-1665



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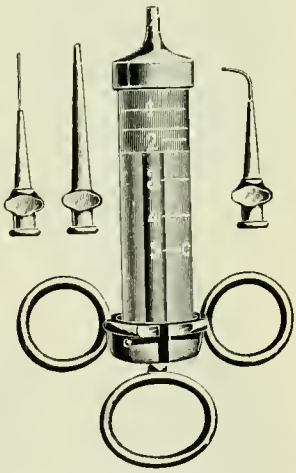

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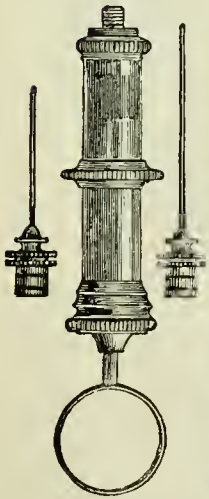

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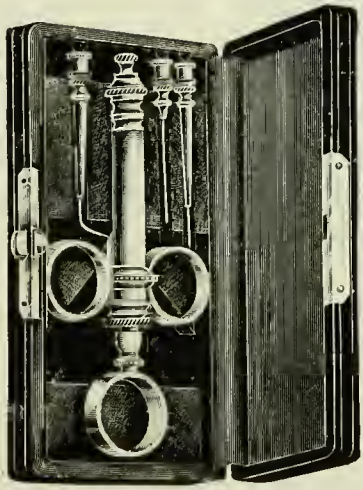

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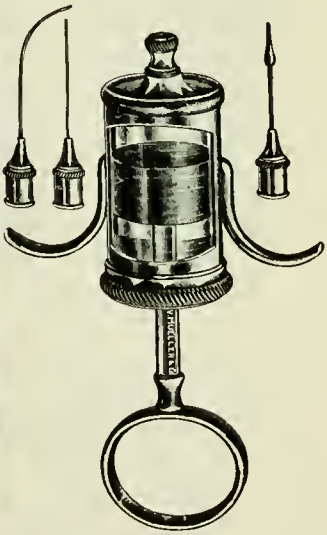


M-1690

LACHRYMAL SYRINGES

M-1665 Lachrymal syringe, Wilder's, with boilable asbestos piston, with four points in case..... $5 00

M-1670 Lachrymal syringes, Selfridge's, with boilable asbestos or Durit piston, three gold points in case 4 50

M-1675 Lachrymal syringe, "Record," with three gold points, in metal case 6 50

M-1680 Lachrymal syringe, Anel's, with two silver points, in case.....$2 50

M-1685 Lachrymal syringe, V. Mueller & Co.'s., made entirely of metal with three gold points, in case. 3 50

M-1690 Lachrymal syringe, Stevenson's, with boilable asbestos piston, three points, in case..... 5 00

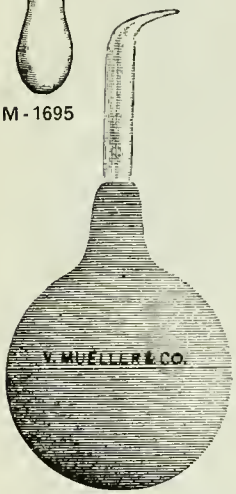
Do not mutilate catalogue.—Specify section letter and number in ordering.



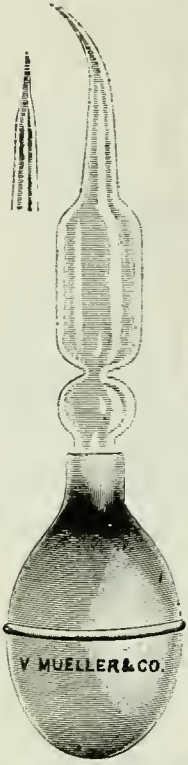
M-1695



M-1720



M-1700



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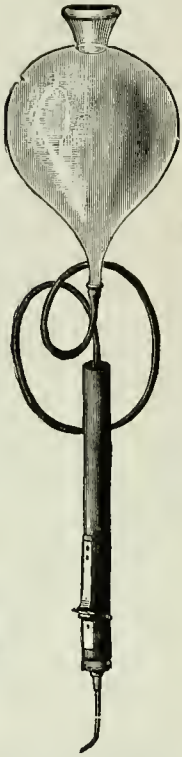

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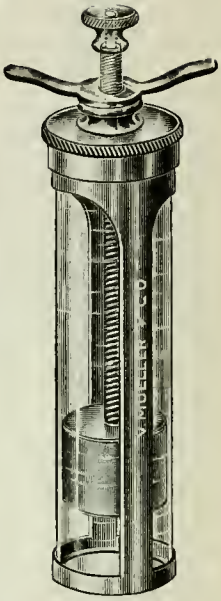


M-1715



M-1730

IRRIGATORS, DOUCHES, LEECHES, ETC.

M-1695	Lachrymal syringe, Colburn's	$1 10
M-1700	Anterior chamber irrigator, Woodruff's	75
M-1705	Anterior chamber irrigator, Gibson's	1 00
M-1710	Anterior chamber irrigator, Lippincott's	3 50
M-1715	Artificial leech, V. Mueller & Co.'s, with bollable rubber plunger, a reliable instrument	3 00
M-1715A	Artificial leech, ordinary pattern	1 50
M-1720	Lachrymal clamp, Stevenson's	1 75
M-1725	Instrument for exhausting soft cataract, Bowman's, (not illustrated)	2 00
M-1730	Syringe, for irrigating the anterior chamber, with gold point in case. This syringe has a capacity of 20 cc., is made entirely of glass and bollable.	7 50
M-1735 and M-1740	Gold points for use on lachrymal syringes, with universal thread, each	50
M-1745 and M-1750	Lachrymal points, for use on syringes with slip end, each	$0 50



M-1735



M-1740

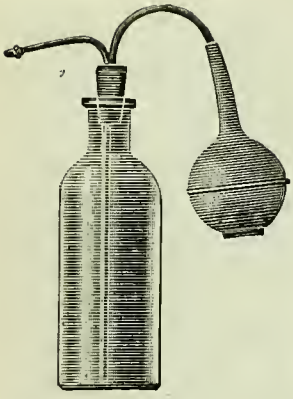


M-1745



M-1750

Do not mutilate catalogue.—Specify section letter and number in ordering.



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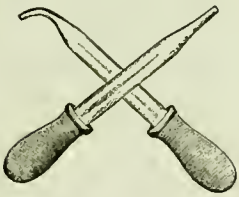
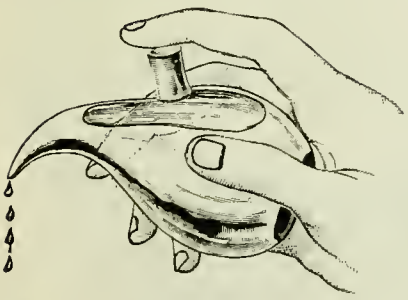


M-1755

M-1765



M-1790



M-1775



M-1785



M-1795

EYE IRRIGATORS, DROPPER BOTTLES, ETC.



M-1800

M-1750	Irrigator, Ellwood's	$0 85
M-1755	Eye droppers, curved and straight, regular, dozen	25
M-1760	Eye droppers, Eye and Ear Infirmary pattern, not illustrated, extra large bulb and glass, dozen	45
M-1765	Irrigator, Todd's	1 15
M-1770	Dropper bottle, Pilling's, not illustrated	60
M-1775	Boric acid wash bottle, Ziegler's, large size	1 50
M-1780	Boric acid wash bottle, Ziegler's, small size	1 25
	Bottles described are without labels, with label extra	25
M-1785	Dropper bottle, ½ oz. and 1 oz. $0 20 and	$0 25
M-1790	Irrigating bottle, undine	50
M-1795	Dropper bottle, small with celluloid nipple	15
M-1800	Eye bath, clear or blue glass, each	10

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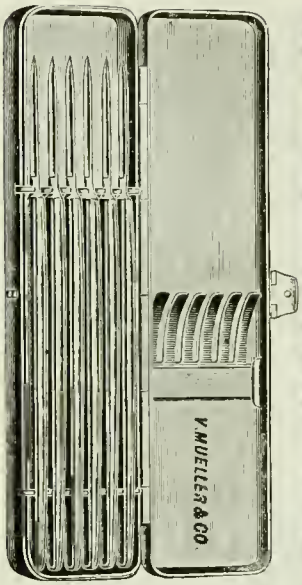
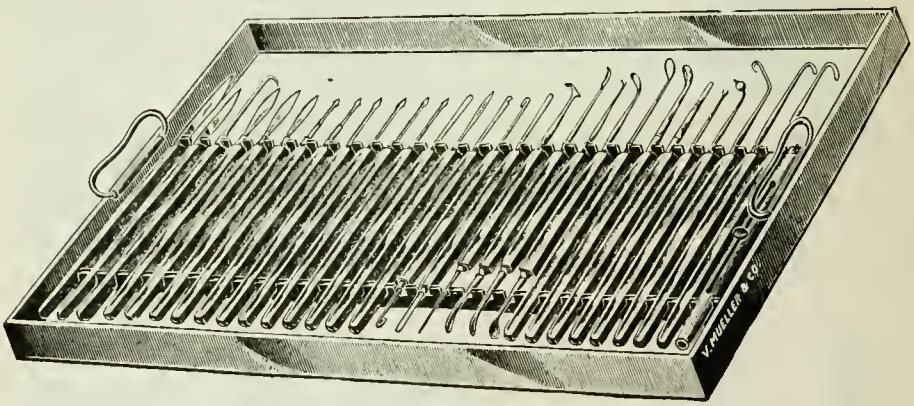


M-1805



M-1815



M-1820

EYE INSTRUMENT CASES AND TRAYS

M-1805 Eye instrument case, made of metal, empty, to hold 6 knives, $2 75; 12 knives.... $3 50

M-1815 Eye instrument case, made of wood, leather covered and padded, for holding 12 eye knives, and other necessary instruments.... 2 25

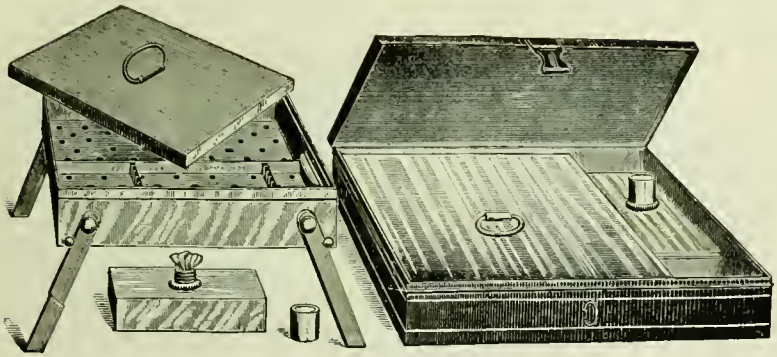
M-1815A Eye instrument case, same as described under M-1815 but holding 18 knives and other necessary instruments 3 00

M-1815B Eye instrument case, same as described under M-1815 but holding 24 knives, etc.. 3 75

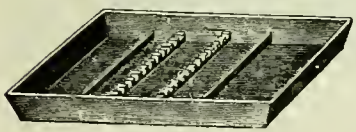
M-1820 Tray of metal, oxidized, for holding eye knives, made in three sizes, for 6 instruments, $1 50; 12 instruments, $2 00; 24 instruments.... 3 00

M-1825 Instrument case for holding eye knives, made of wood, leather covered, metal racks, for 6 knives, $1 35; for 12 knives (not illustrated).... 2 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-1830



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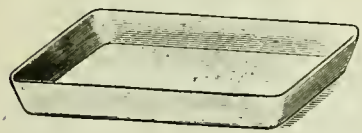
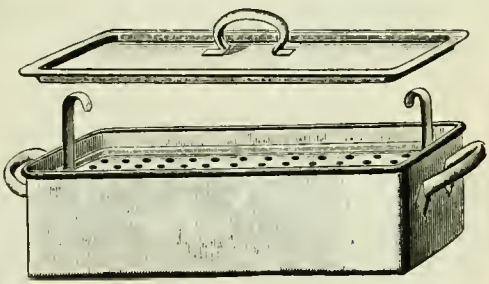


M-1845



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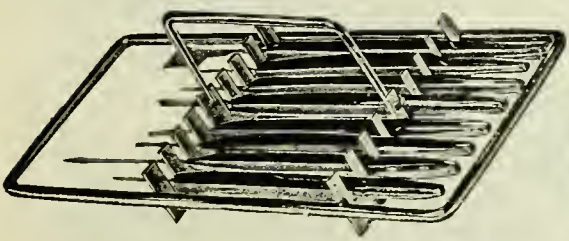
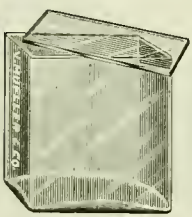


M-1850



M-1860

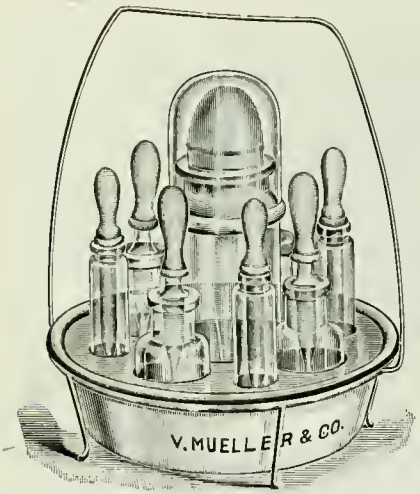


M-1870

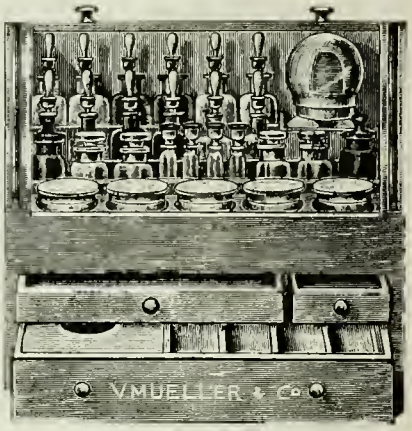
STERILIZERS, INSTRUMENT TRAYS, ETC.

M-1830	Eye instrument sterilizer, portable, complete with lamp and carrying case	$8 50
M-1835	Eye instrument sterilizer, Eye and Ear Infirmary pattern, made of copper, nickel plated	7 50
M-1840	Instrument tray, porcelain, with racks for instruments	2 00
M-1845	Instrument tray, white steel porcelain, low form	45
M-1850	Instrument rack, with handle, for immersing instruments in tray with sterilizing solution and thus preventing edges of the knives coming in contact with the bottom or sides of the tray. For holding eight knives	2 00
M-1860	Glass box with cover, Brown's, for preserving eye specimens, etc	25
M-1870	Solution cup, white steel porcelain, Eye and Ear Infirmary pattern, each	25

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-1875



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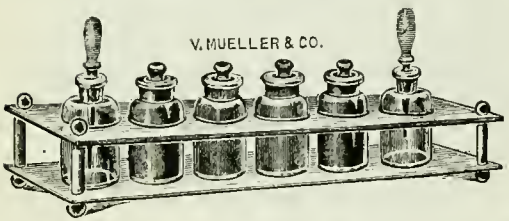

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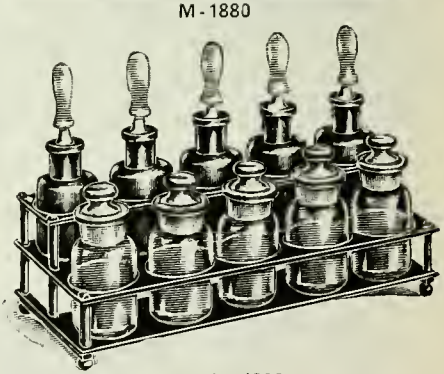

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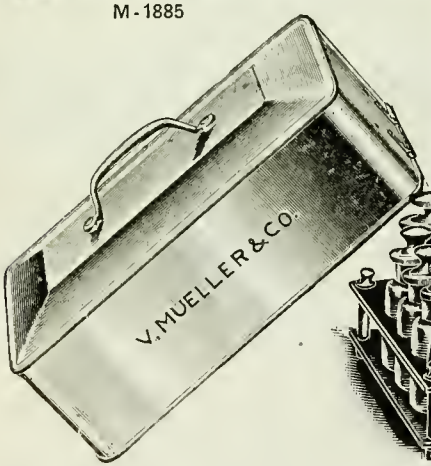
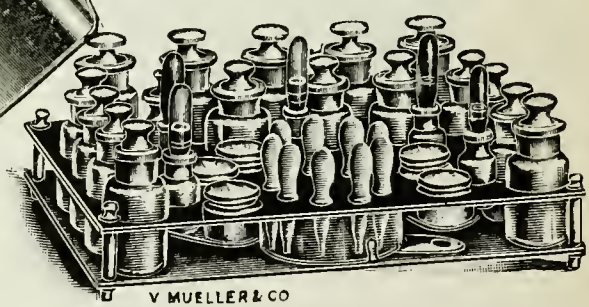


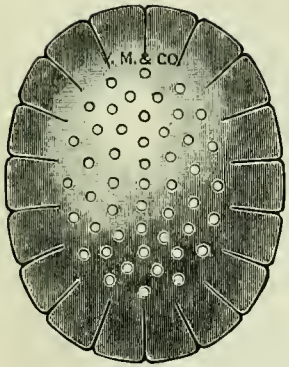


M-1895

TREATMENT TRAYS AND CABINETS

M-1875	Treatment tray, Fisher's, for bedside use. Complete as illustrated.....	$5 50
M-1880	Treatment case, roll top pattern, complete including all glassware as illustrated Send for detailed description.	24 00
M-1185	Treatment tray, Pilling, without glassware.....	1 25
M-1890	Treatment tray without glassware, holding from 5 to 18 bottles, $1 00 to.....	2 50
M-1895	Treatment tray, Noble's, with jars, droppers and bottles, in black, blue, amber or crystal. Tray nickel plated or oxidized, complete without cover.....	9 50
	Cover extra	5 00

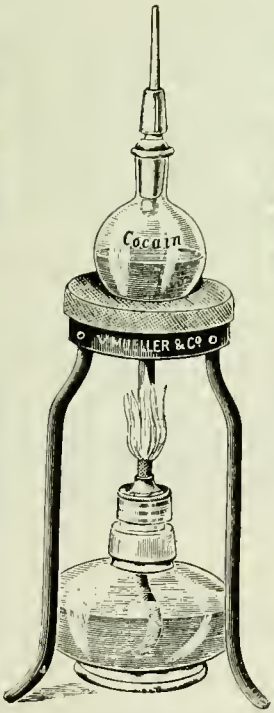
Do not mutilate catalogue.—Specify section letter and number in ordering.



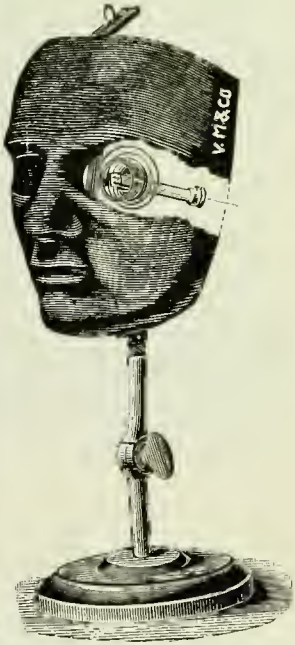
M-1900



M-1905



M-1930



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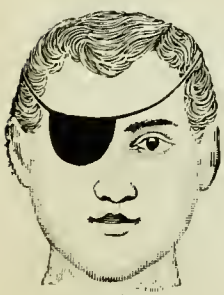
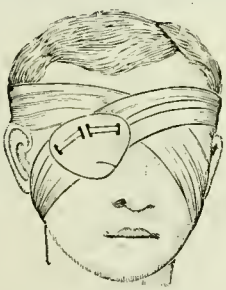


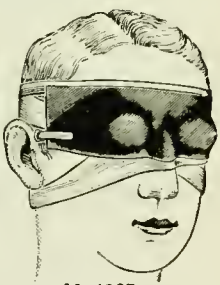
M-1910



M-1915



M-1920

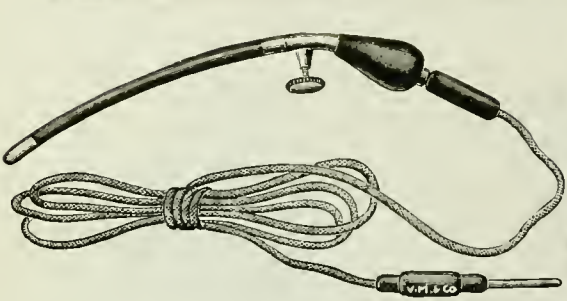


M-1925

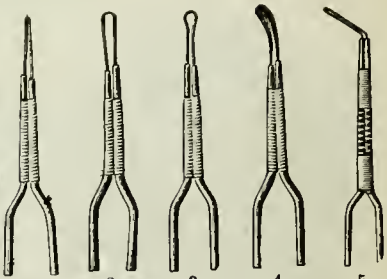
EYE SHIELDS, ETC.

M-1900	Eye shield, Fox's, made of aluminum, each	$0 50
M-1905	Eye shield, Buller's, made of glass and rubber sheeting, each	50
M-1910	Eye shade, plain, for one eye	10
M-1915	Eye shade, plain, for both eyes	20
M-1920	Eye shield, Andrews', aluminum, each	75
M-1925	Cataract mask, Ring's	35
M-1930	Set of boiling bottles, and droppers, Stroscheln's, complete with stand and alcohol lamp	3 50
M-1935	Phantom mask Waldau's, for one eye only, net, $8 50; for both eyes, net	10 00

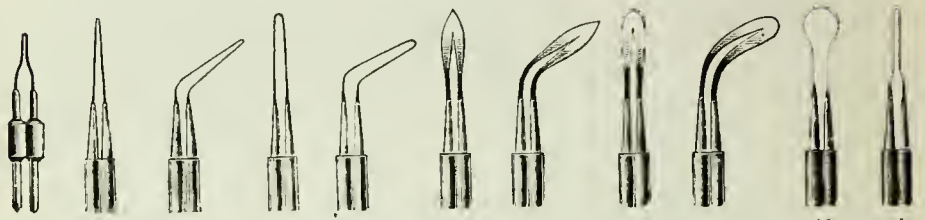
Do not mutilate catalogue.—Specify section letter and number in ordering.



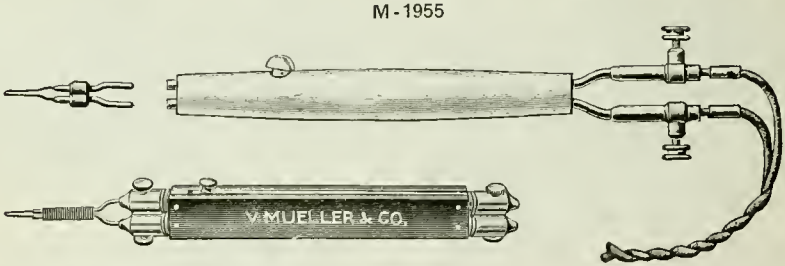
M-1945



M-1950

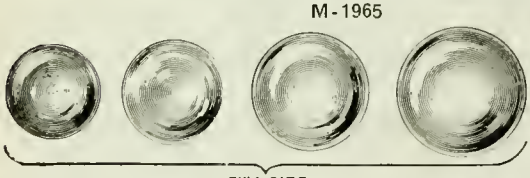


M-1955



M-1965

M-1960



FULL SIZE

M-1970

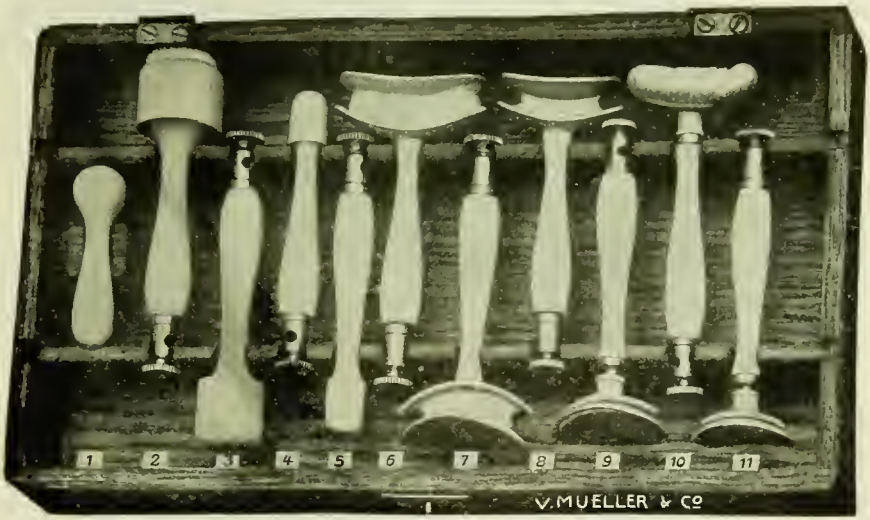


M-1975

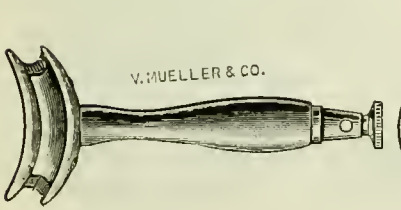
CAUTERY ELECTRODES, CAUTERY HANDLES, SPHERES, ETC.

M-1940	Lachrymal probe, Boynton's, for use with galvanic current, eight sizes (not illustrated), each	$0 35
M-1945	Lachrymal probes, for use with galvanic current, five sizes, each	1 50
	Cords extra	50
M-1950	Eye cautery electrode, each	1 00
M-1955	Eye cautery electrode, Ziegler's, gold plated, each	1 25
M-1955A	Set of cautery electrodes, Ziegler's, from A to L with handles Fig. M-1960, complete in case, net	16 00
M-1960	Eye cautery handle, Ziegler's, extra light and carefully made	6 00
M-1965	Eye cautery handle, V. Mueller & Co.'s	2 50
M-1970	Spheres, Mules', made of glass, each	10
	Made of silver heavily gold plated, each	2 50
M-1975	Introducer for Mules' spheres, Carter's	2 75

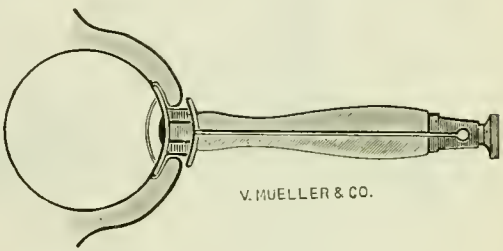
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-1980



M-1980A



M-1980B

OPHTHALMIC ELECTRODES

The ophthalmic electrodes illustrated here were designed by Dr. Wirtz, (Germany) for the purpose of introducing doses of dissolved drugs into the tissues to any depth, by the method of cataphoresis. Local treatment can be applied in this manner to the affected part.

These electrodes have been in use during the last few years and the method is recommended by some of the leading eye specialists in Europe.

Figure 1 is a small instrument for moulding the cornea electrode.

Figures 2, 3, 4 and 5 are cornea electrodes.

Fig. 6, 7 and 8 are lid-edge electrodes.

Figures 9, 10 and 11, conjunctiva electrodes.

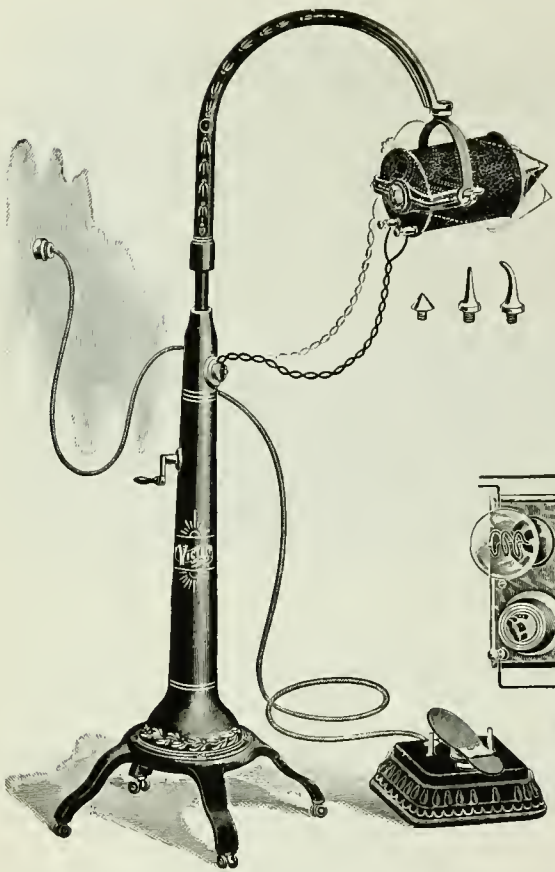
Figures 2, 6 and 10 show the electrodes prepared ready for use.

M-1980 Complete set of electrodes, contained in a polished wood case, net.....$22 50

Prices of individual electrodes on application.

M-1980A and M-1980B show sectional views of the Wirtz ophthalmic electrodes.

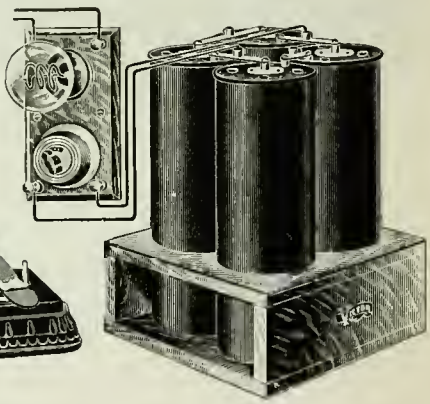
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-1995



M2005



M-2010

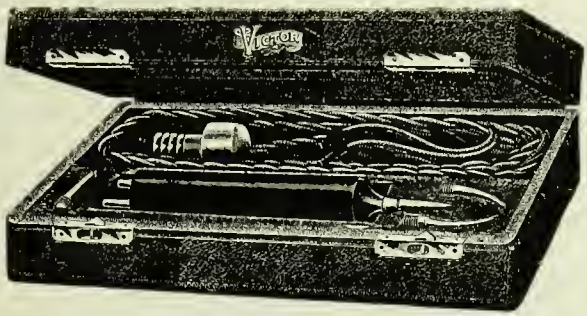
EYE MAGNETS AND ACCESSORIES

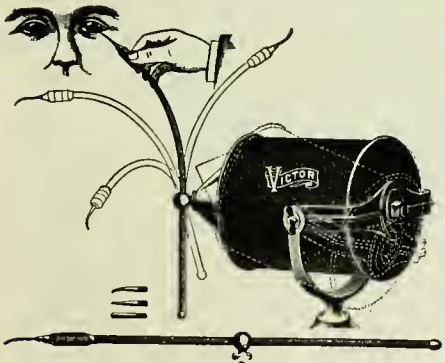
The Victor Giant Magnet illustrated here has a lifting capacity of approximately 400 lbs. to the square inch. The magnet is suspended from a crane with a raising and lowering mechanism, which enables the operator to easily adjust the magnet to the field of operation. We strongly recommend the use of the foot controller in connection with the magnet, for the reason that it allows the operator perfect freedom in the use of both hands.

M-1995 Complete as shown, with rheostat for 110 volt direct current.....$110 00
M-1990 Complete as shown without foot rheostat for 110 volt direct current..... 85 00
M-1995 Complete as shown, including alternating current rectifier illustrated under M-2010, for 110 volt alternating current.....160 00
M-2000 Magnet without crane or rheostat, mounted on swivel base..... 60 00
M-2005 Little Giant Magnet, No. 2, for 110 volt or 220 volt direct current, or for batteries 25 00
Hand controlling rheostat for same..... 5 00
Send for special circulars describing in detail eye magnets and rectifiers.
M-2010 Rectifiers, for converting alternating current into direct current, for the use of eye magnets 50 00

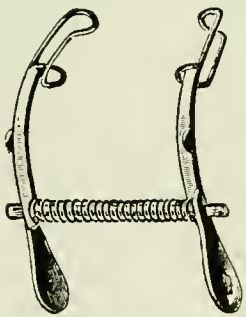
Do not mutilate catalogue.—Specify section letter and number in ordering.

M-2015





M-2020



M-2025



M-2030

EYE MAGNETS AND ACCESSORIES

M-2015	Eye magnet, for use with the 110 volt direct current or for batteries. Complete with four gold plated tips, attachment plug and cords, in case	$12 00
M-2020	Flexible tip, for use with Giant Eye Magnet, in case	7 50
M-2025	Eye specula, non-magnetic, for use with eye magnet	1 25
M-2030	Retractor, Wilder's, non-magnetic, for opening the scleral wound, illustration is actual size	4 50
M-2035	Blunt hook, Wilder's, non-magnetic	1 25
M-2040	Dressing forceps, serrated, non-magnetic	1 25
M-2045	Fixation forceps, non-magnetic	1 75
M-2050	Tissue forceps, mouse tooth, non-magnetic	1 50



M-2035



M-2040



M-2045



M-2050



"TABLOID" OPHTHALMIC PRODUCTS

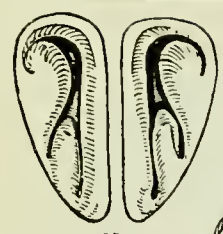
In ophthalmic practice the purity and freedom from contamination of the drugs used are of the utmost importance. These important points, as well as accuracy and uniformity of effect, are ensured by the use of "Tabloid" ophthalmic products. The "Tabloid" products are delicate in appearance, minute in size and exceedingly soluble. They may be applied direct to the conjunctiva, when complete solution takes place within 30 seconds, or, if desired, they may be used for making a pure, fresh solution at the moment required.

T	Alum	gr. 1-25
EE	Argyrol	gr. 1-25
B	Atropine hydrobromide Cocaine hydrochloride	gr. 1-200 gr. 1-200
X	Atropine sulphate	gr. 1-600
A	Atropine sulphate	gr. 1-200
AA	Cocaine hydrochloride	gr. 1-50
C	*Cocaine hydrochloride	gr. 1-20
BB	Dionin	0.0005 gm.
FF	*Dionin	0.005 gm.
	Eserine (see physostigmine).	
Y	*Enphthalmine hydrochloride	gr. 1-40
Z	*Fluorescein	gr. 1-250
H	Homatropine hydrochloride	gr. 1-400
E	*Homatropine hydrochloride	gr. 1-40
O *	Homatropine hydrochloride Cocaine hydrochloride	gr. 1-240 gr. 1-24
W *	Homatropine hydrochloride Cocaine hydrochloride	gr. 1-50 gr. 1-50
U	Hyoscine hydrobromide	gr. 1-600
F	Physostigmine salicylate	gr 1-600
GG	Physostigmine salicylate	gr. 1-2000
G *	Physostigmine salicylate Tropacocaine hydrochloride	gr. 1-500 gr. 1-100
K	Pilocarpine nitrate	gr. 1-400
M	Pilocarpine nitrate Cocaine hydrochloride	gr. 1-500 gr. 1-200
	Scopolamine (see hyoscine).	
L	*Tropacolcaine hydrochloride	gr. 1-30
R	Zinc sulphate	gr. 1-250
DD*	Zinc sulphate Cocaine hydrochloride	gr. 1-250 gr. 1-20
J	Corrosive sublimate (hydrarg. perchlor)	gr. 1-1000

PRICES

Per dozen tubes of one formula	$2 65
Single tubes, except J	25
J—Single tubes of 25	15

Do not mutilate catalogue.—Specify section letter and number in ordering.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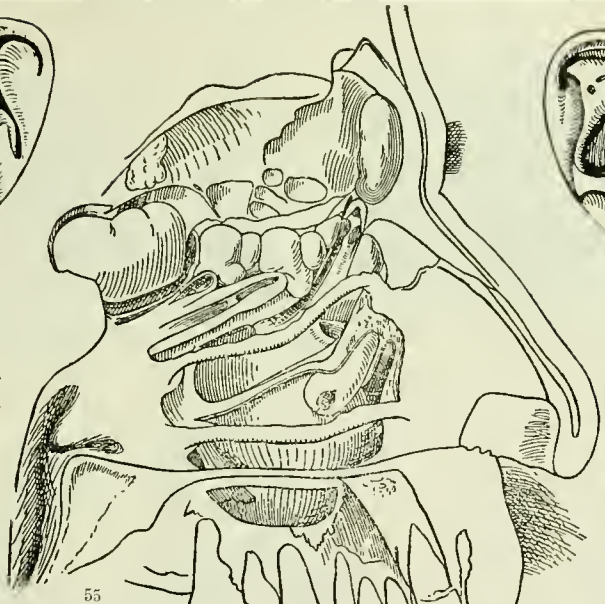
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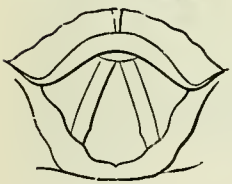
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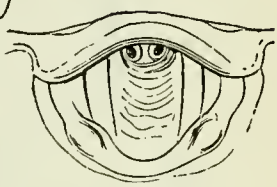
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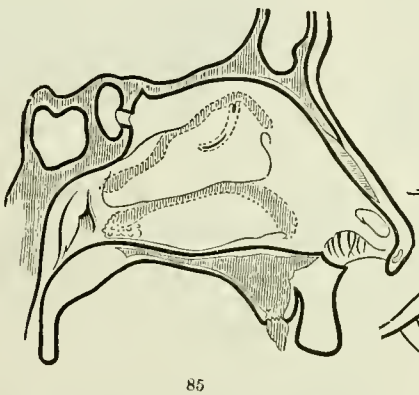
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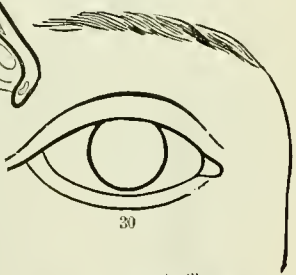

30

ANATOMICAL RUBBER STAMPS

M-2055 No. 75 Nostrils, normal condition $1 00

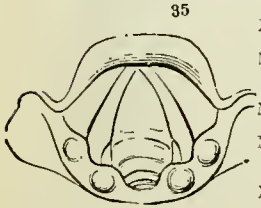
M-2060 No. 80 Nostrils, after cocainisation, right nostril in repose, left during phonation..... 1 00

M-2065 No. 55 Superior maxillary bone, sectional, right and left, each 1 75

M-2070 No. 85 Nasal passages, sectional view, right and left, each 90

M-2075 No. 40 Ear, lateral view, right and left, each..... 75

M-2075A No. 50 Tympanum with ossicles and corda tympani, right and left, each..... 60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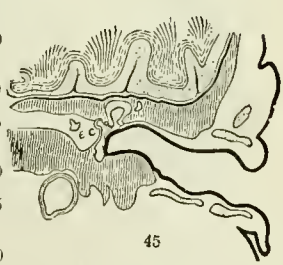

45

M-2075B No. 45 Inner ear, sectional view, right and left, each..... $0 89

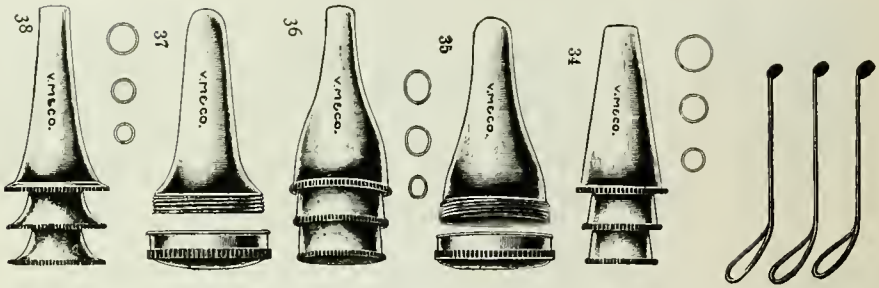
M-2080 No. 30 Eye, right and left, each 75

M-2080A No. 35 Retina, right and left, each 75

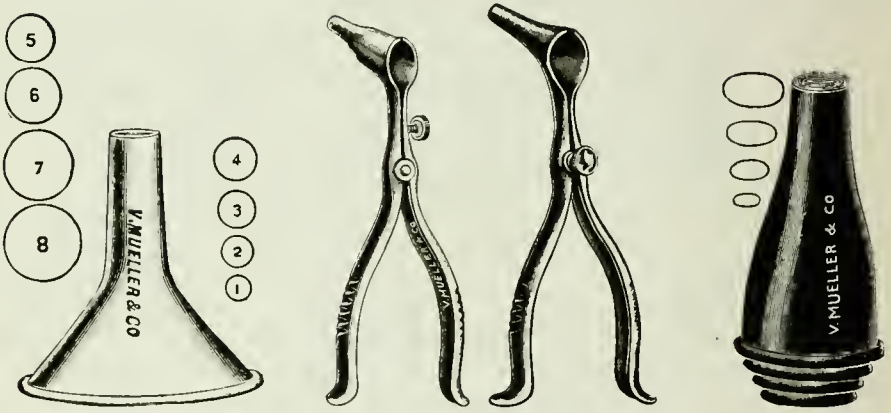
M-2085 No. 95 Larynx and vocal cords . 60

M-2085A No 97 Larynx and vocal cords during phonation and respiration $0 60

M-2085B No. 98 Larynx and vocal cords after Tuerk, posterior walls of larynx 60

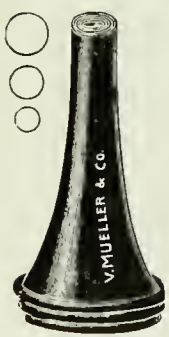


M-20990 M-2095 M-2100 M-2130A



M-2105 M-2125 M-2130 M-2110

EAR SPECULA AND EAR MIRRORS



M-2115

M-2090 Ear specula, Toynbee's set of three in metal case, nickel plated, $1 00; silver plated.... $1 10

M-2095 Ear specula, Gruber's, set of three in metal case, nickel plated 1 00

M-2100 Ear specula, Wilde's, set of three in case, nickel plated 1 00

All ear speculas above described can be furnished in sterling silver, but are made to order only.

M-2105 Ear specula, Boucheron's, set of four, sizes 1, 2, 3, 4, $1 00; operating sizes 5, 6, 7, 8.... $1 50

M-2110 Ear specula, Gruber's, hard rubber, set of four 50

M-2115 Ear specula, Toynbee's, hard rubber, set of three 45

M-2120 Ear specula, Wilde's, hard rubber, set of three 45



M-2120

M-2125 Ear specula, Kramer's, wrought metal..... $0 95

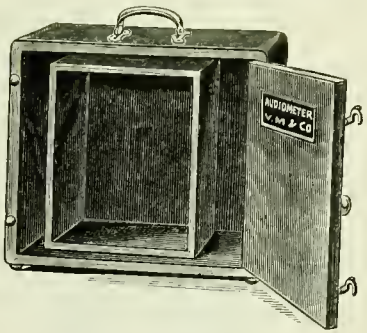
M-2130 Ear specula, Hartmann's, wrought metal..... 95

M-2130A Tympanic mirrors, Botey's, sizes 4, 5 and 6 mm., each..... 90

Do not mutilate catalogue.—Specify section letter and number in ordering.



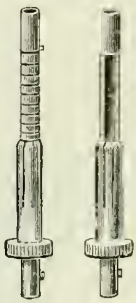
M-2135



M-2135A



M-2135B



M-2135C

AUDIOMETER AND ACCESSORIES

The Pilling-McCallie Audiometer is a simple, accurate, durable instrument for testing the acuteness of hearing or the degree of deafness. The noises of the ordinary office or room do not prevent its successful operation. Both ears may be tested at the same time or each ear separately. Its construction is based upon well known laws of acoustics and mechanics. It is accurate to a degree heretofore unapproached. All that is necessary is to turn a wheel until the subject cannot hear the sound, you then read the number to which the index points, this number tells the degree of deafness.

Children have been tested at the rate of one a minute in the school room. Anyone can use it.

Send for descriptive circular.

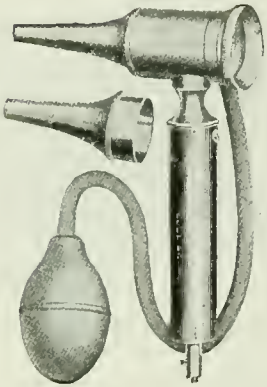
M-2135 Complete including ear tubes and mahogany case, net.....$50 00
M-2135A Illustrates case for audiometer.
M-2135B Illustrates audiometer in use.

Reduction Tubes, for testing the acuteness of hearing.

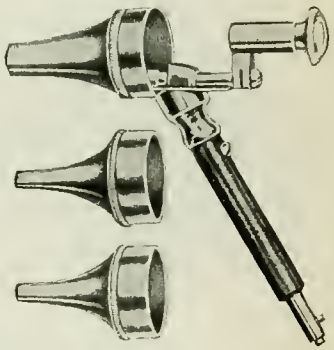
These reduction tubes are so constructed that some persons with very acute hearing can hear the bell when the index points to 100. If it is desired to find out just how acute the hearing of such an individual is, or, if very fine and very accurate results are desirable, then the reduction tubes are inserted between the rubber tubes of the stethoscope and the metal tubes on the instrument, thus forming an extension of the stethoscope tubes. The tubes have graduated openings closed by sleeves. The larger the opening exposed the smaller and fewer the sound waves that pass to the ears.

M-2135C Pair net $5 00

Do not mutilate catalogue.—Specify section letter and number in ordering.

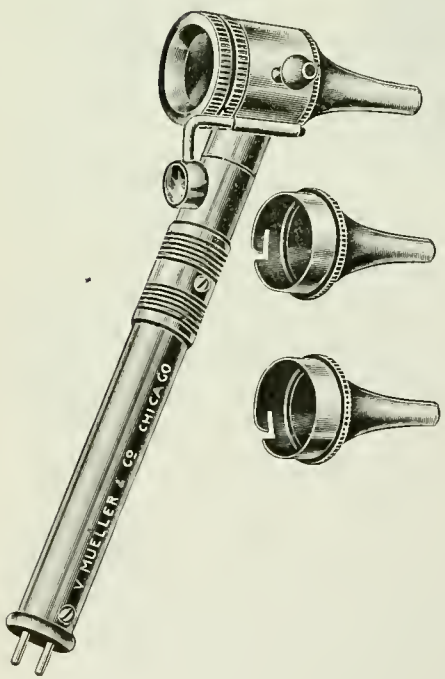


M-2140



M-2145

ELECTRIC AND PNEUMATIC AURISCOPES

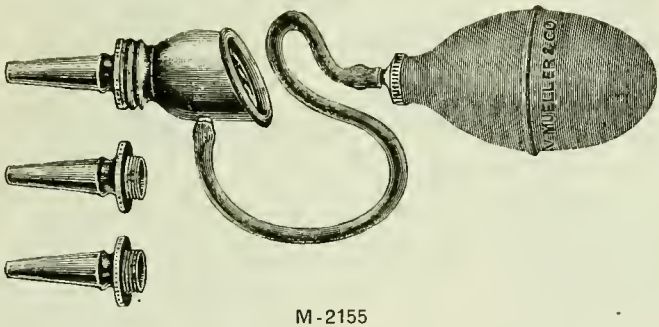


M-2150

M-2140 Pneumatic Auriscope, No. 1. This instrument gives a brilliant magnified view of the drum head, the lens is removable thus adapting the instrument for operative and therapeutic work. By means of this pneumatic instrument the mobility of the malleus may be determined, also the degree of relaxation in the membrana tympani. In addition to this it is a useful instrument for aural massage.. $8 00

M-2145 Auriscope, electrically lighted. This instrument is supplied with magnifying lens so arranged that it can be turned out of the line of sight, thus giving the operator a direct view, should it be preferred. This lens has an attachment by which it can be quickly focused. The largest of the specnlas among the three has an oval end and is therefore adapted for nasal as well as aural work. Complete with three specnlas 6 00

M-2150 Pneumatic Auriscope, No. 2. This is fitted with three specula of different sizes. The large lens fits as a cap sealing the end of the instrument so that it makes a perfect otoscope for testing the mobility of the mallens and the relaxation in the membrana tympani, and it may also he used for aural massage. The large lens is removable and a small magnifying lens can be swung in the position to allow for introduction of instruments. Complete with three speculas and cord 9 50



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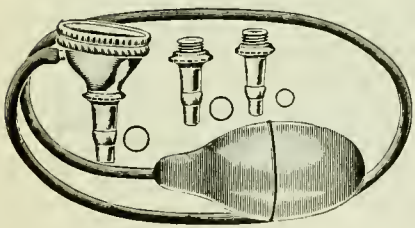
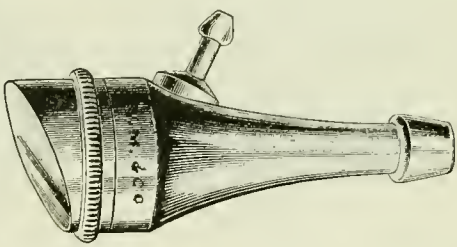


M-2160



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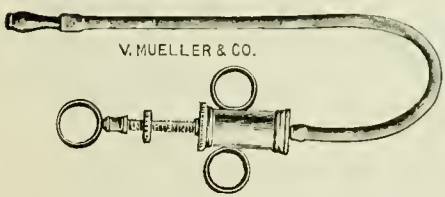
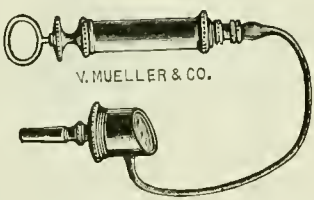


M-2170

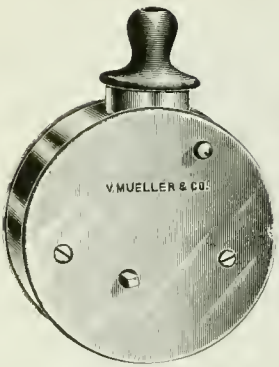


M-2175

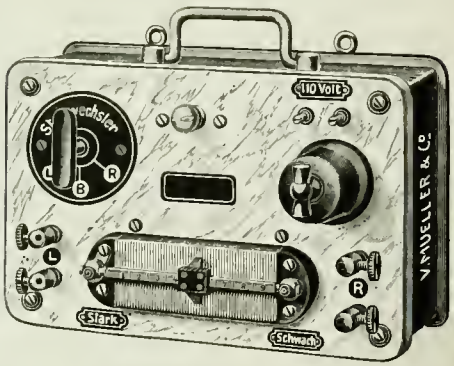
OTOSCOPES AND EAR MASSEURS

M-2155	Otoscope, Siegel's, hard rubber, complete with bulb	$2 25
M-2155A	Otoscope, Siegel's, metal, with properly corrected lens according to Andrews	2 75
M-2160	Otoscope, Pynchon's, metal	2 50
M-2165	Otoscope, Burnett's, metal, with bulb	2 00
M-2170	Ear masseur, Delstanche's, pump of latest model with three rings	3 00
M-2175	Otoscope, Siegel's, modified by Ely, with syringe	3 75

Do not mutilate catalogue.—Specify section letter and number in ordering.



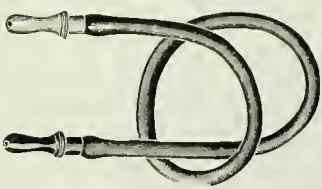
M-2180



M-2185



M-2185A



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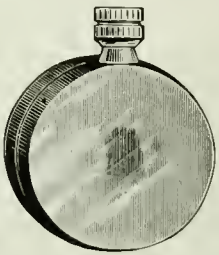

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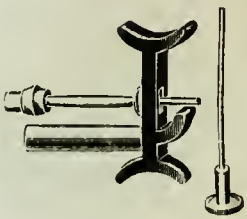
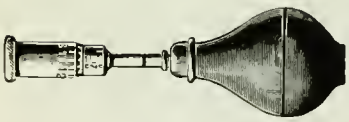


M-2200



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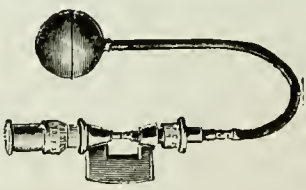

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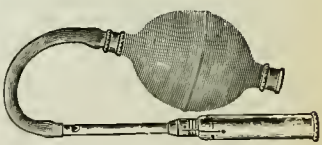


M-2215

APPARATUS FOR TESTING HEARING

M-2180 Barany's (Laermapparat). This apparatus is used to ascertain one-sided deafness, it consists of a clockwork the hammer of which strikes against a fibre membrane, thereby eliminates outside noises.....$12 00

M-2185 Neumann's Electric Laermapparat. This apparatus is used for the same purpose as the Barany instrument, it is made for both the direct and alternating current. The degree of noise produced from the current can be regulated to a minimum by means of the rheostat. Two hearers (see figure M-2185A) are supplied with the apparatus. Price furnished upon application.

M-2185B V. M. & Co.'s Laermapparat, for use on alternating current, with one hearer like figure M-2185A 16 50

M-2190 Diagnostic tube, with tips of rubber or glass, and three ft. tubing..... 50

M-2195 Acoumeter, Bartlett's 1 00

M-2200 Acoumeter, Politzer's 2 75

M-2205 Whistle, Galton's 3 75

M-2210 Whistle, Edelmann's 19 50

M-2215 Whistle, Dench's 4 50

Do not mutilate catalogue.—Specify section letter and number in ordering.





M-2220B



M-2220C



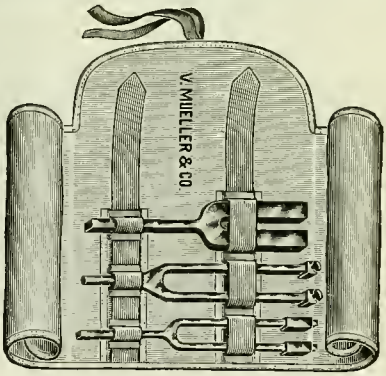
M-2220



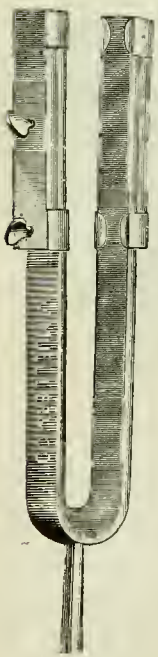
M-2225



M-2230



M-2235



M-2240

TUNING FORKS

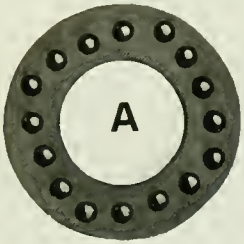
M-2220 Tuning Fork, Hartmann's, C4, 2048 vibrations.. $5 50
M-2220A Tuning Fork, Hartmann's, C3, 1024 vibrations.. 2 00
M-2220B Tuning Fork, Hartmann's, C2, 512 vibrations.. 1 50
M-2220C Tuning Fork, Hartmann's, large with clamps, 6¾ ins., 128 vibrations, $3 25; small, 4½ ins., 256 vibrations 2 50
M-2225 Tuning Fork, Gradenigo's..... 5 00
M-2230 Tuning Forks, set of five in polished wood case, Hartmann's, containing forks figure M-2220 to M-2220C 14 00
M-2235 Tuning Forks, Neumann's, set of three in canvas roll 15 00

The set contains C4 2048 vibrations, medium C and low C 64 vibrations. The forks in this set are of a very high grade and imported from the original makers in Vienna.

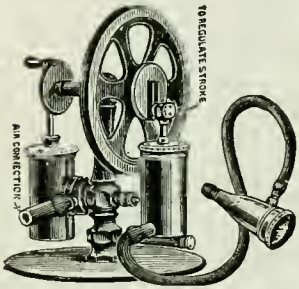
M-2240 Tuning Fork, Dench's, large with clamps, 26 to 64 vibrations $8 00
M-2245 Tuning Fork, Koenig's, (Klangstab) round shanks, 16 ins. long, each..... 5 00
M-2250 Bezold-Edelmann's tone series of tuning forks, consisting of 10 large forks, whistles and hammer. Prices upon application.



M-2245



M-2260A



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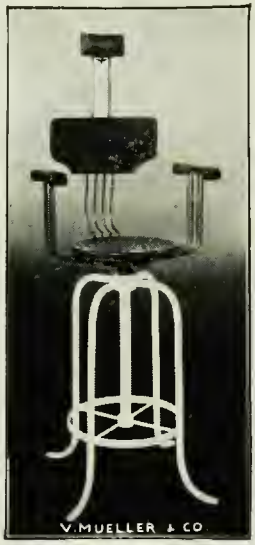
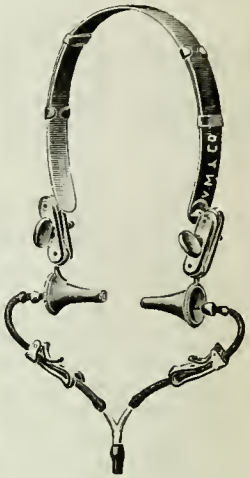


M-2260



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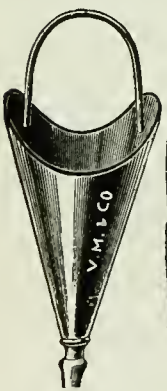

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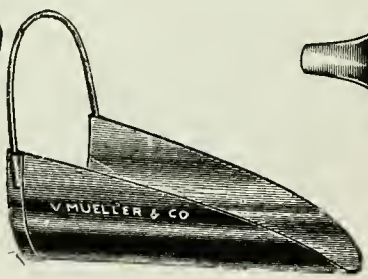

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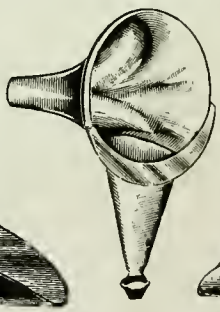

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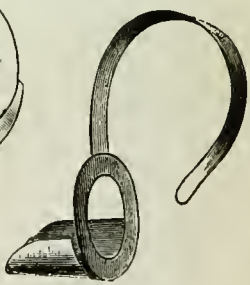
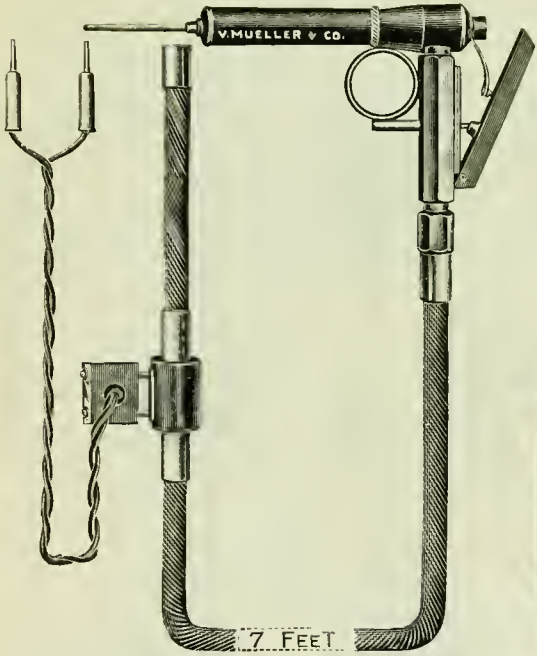


M-2285

EAR SPOUTS, EAR MASSEUR, ETC.

M-2255	Compressed Air Engine, for ear massage	$8 00
M-2260	Revolving Chair, Iglauer's, for making "Turning" tests, for the purpose of examining the vestibular apparatus	20 00
M-2260A	Illustrates ball bearings upon which the chair revolves.	
M-2265	Neumann's irrigating appartus for testing Nystagmus	8 50
M-2270	Ear Spout, Hosmer's, improved	50
M-2275	Ear Spout, Hosmer's, original	40
M-2280	Ear Specula, Beck's, with drainage attachment	1 50
M-2285	Ear Spout, Arnold's, with spring band	1 25

Do not mutilate catalogue.—Specify section letter and number in ordering.



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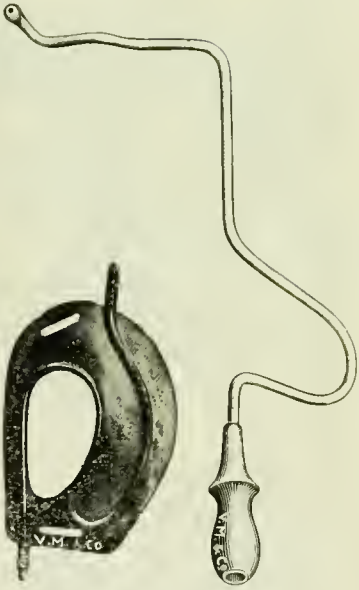
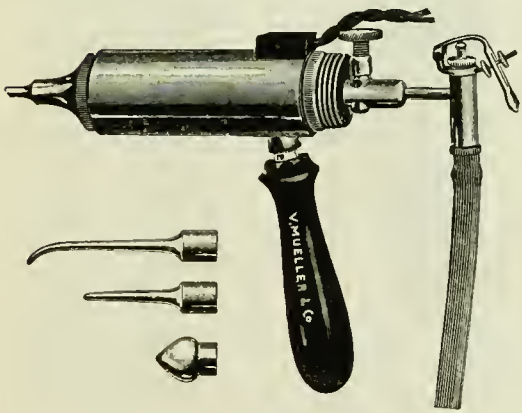


M-2300 M-2310



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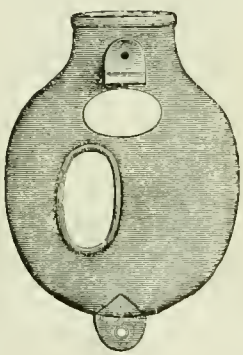


M-2305

HOT AIR APPLIANCES, ETC.

M-2290 Hot Air Syringe, Beck's. The syringe is so constructed that it will produce any degree of heat for compressed air and may be operated on either a switch board Rheostat or a full voltage where a switch board is not used. Complete with cord and plug $17 50

M-2295 Electric Air Heater, Victor, with three tips..... 12 00

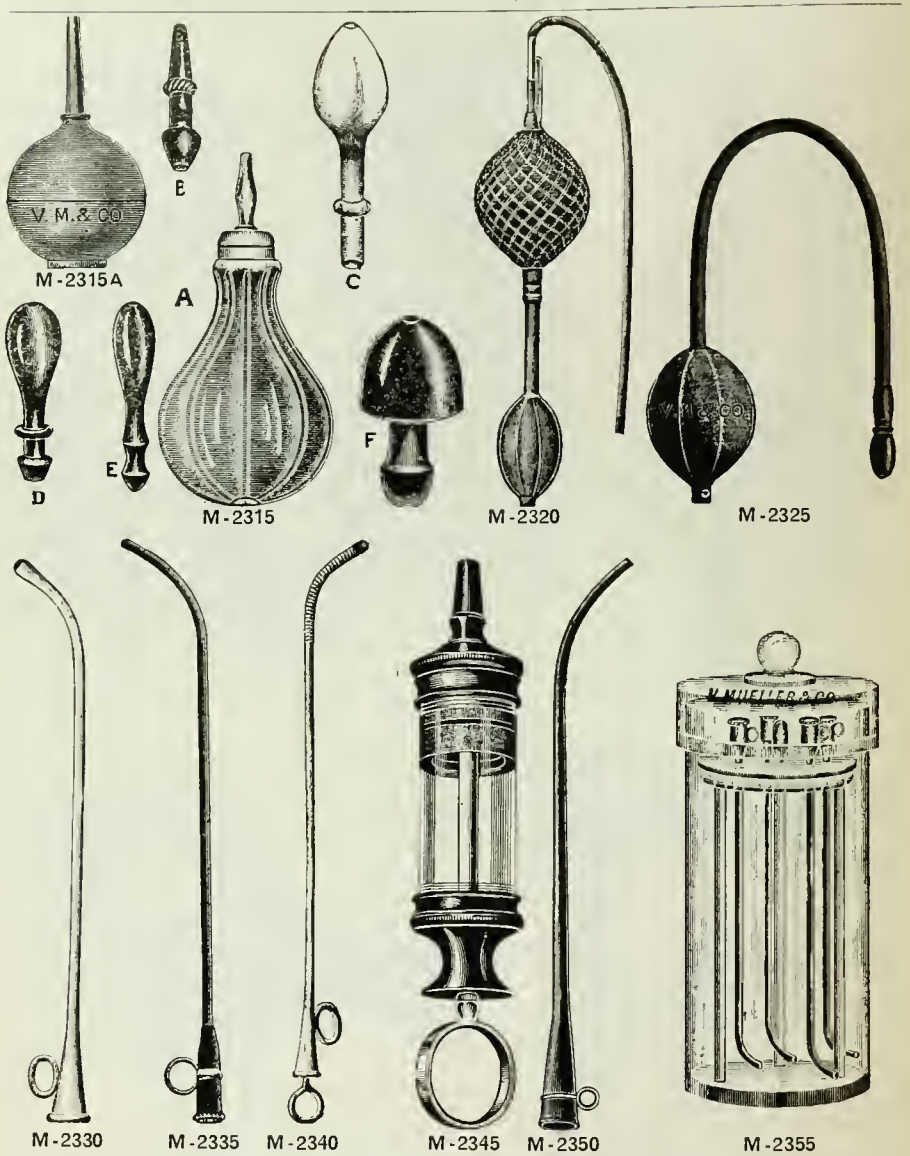
M-2300 Hot Water Heating Coils, Leiter's, made of lead or tomback, right and left, each 1 50

M-2305 Mastoid Ice Bag, improved pattern..... 1 00

M-2310 Air Canulaes, Heath's, silver, right and left, each..... 1 00

M-2310A Air Canulaes, Heath's, modified by Ellett, consisting of tube and one handle, reversible 1 25

Do not mutilate catalogue.—Specify section letter and number in ordering.



POLITZER BAGS, EUSTACHIAN CATHETERS, ETC.

M-2315 Politzer Air Bag of mottled rubber, best quality, without valve, 6 oz., $1 10; 8 oz., $1 20; 10 oz., $1 25. With valve, 6 oz., $1 20; 8 oz., $1 35; 10 oz., $1 50. A piece of rubber tubing and either tip B, C, D, E or F is supplied with each bag.

M-2315A Ear and Ulcer Syringe, of good quality maroon rubber, small, $0 20; large..... $0 40

M-2320 Lucae's Air Bag, of best imported pure rubber, each..... 3 00

M-2325 Lennox Browne's Air Bag..... 2 00

M-2330 Eustachian Catheter, sterling silver, made in three sizes, 1, 2, 3, each, $1 35; pure silver, each 1 50

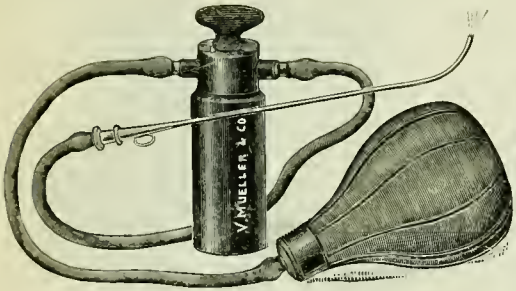
M-2335 Eustachian Catheters, hard rubber, three sizes, each..... 35

M-2340 Eustachian Catheter, Herzfeld's, spiral end..... 1 50

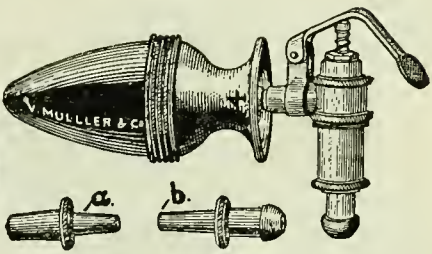
M-2345 Eustachian Syringe, Freeman's..... 1 50

M-2350 Eustachian Catheter, Urbantschitsch's, hard rubber, made of one piece, best quality, four sizes, each 45

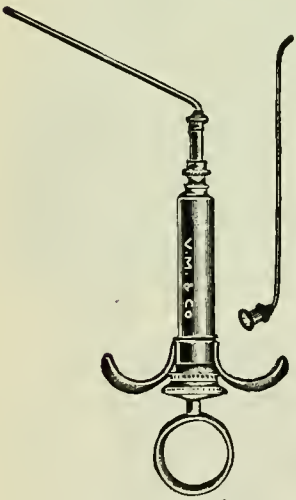
M-2355 Glass jar with metal stand for Eustachian catheters and sinus canulaes..... 2 50



M-2360



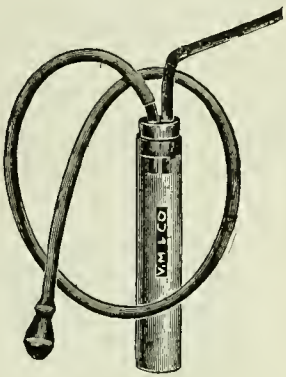
M-2365



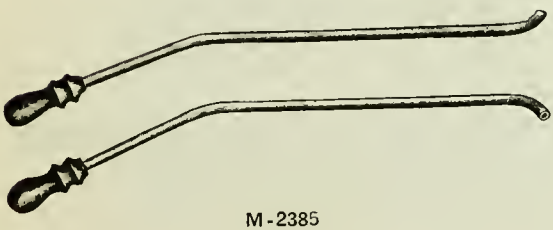
M-2370



M-2375



M-2380



M-2385

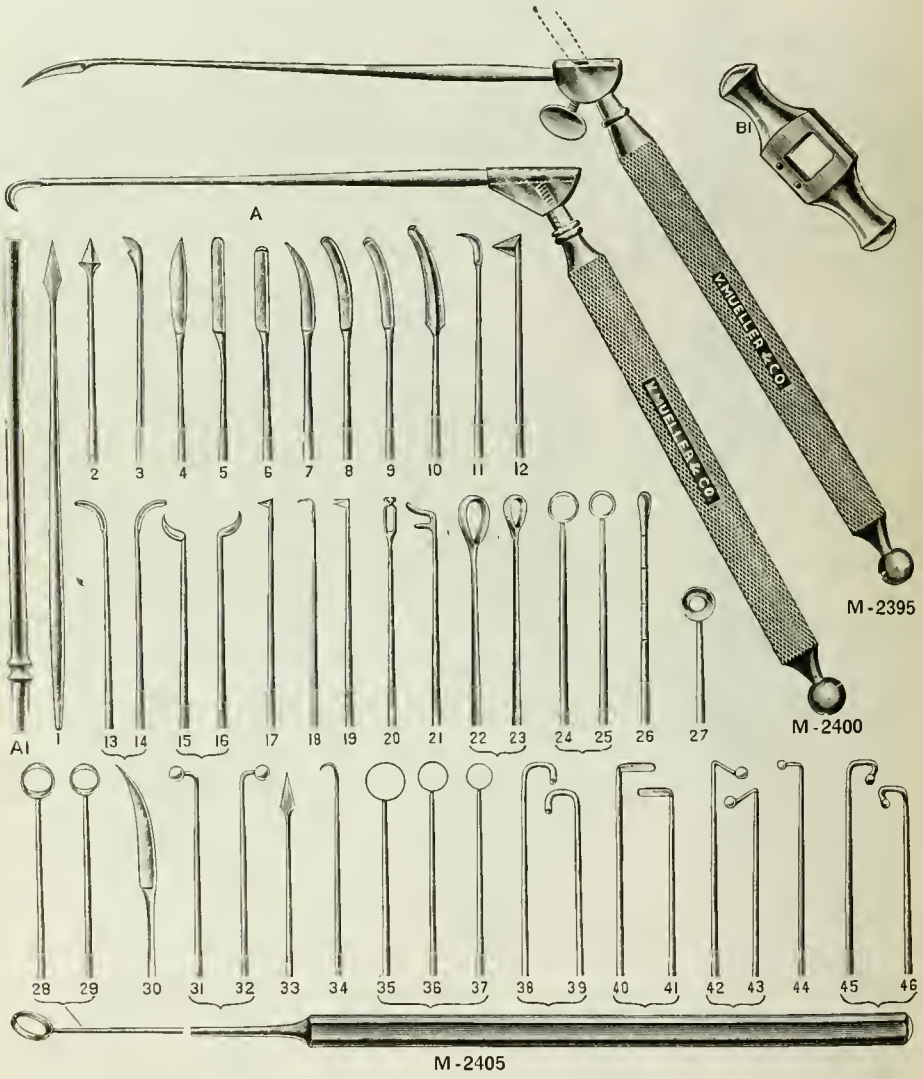


M-2390

VAPORIZERS, MIDDLE EAR SYRINGES, ETC.

M-2360	Vaporizer, Dench's, without bulb or catheter, $2 25; with bulb and hard rubber catheter, $4 50; with bulb and silver catheter	$5 00
M-2365	Vaporizer, Pynchon's, with tips A and B hard rubber, $1 00; aluminum	1 75
M-2370	Middle ear syringe, Blake's, with two silver tubes in case	2 75
M-2375	Middle ear syringe, Beck's, syringe and tubes of hard rubber	2 00
M-2380	Powder blower for ear, hard rubber tubes, each	35
M-2385	Attic canulae, Hartmann's, right and left, plated, each, $0 60; silver, each	75
M-2390	Attic canulae, Pierce's, tube conical, small opening	1 35

Do not mutilate catalogue.—Specify section letter and number in ordering.



EAR OPERATING INSTRUMENTS FOR UNIVERSAL HANDLE, ETC.

M-2395 V. Mueller & Co.'s universal handle for ear instruments. The instruments can be set in straight or angular position..... $1 25

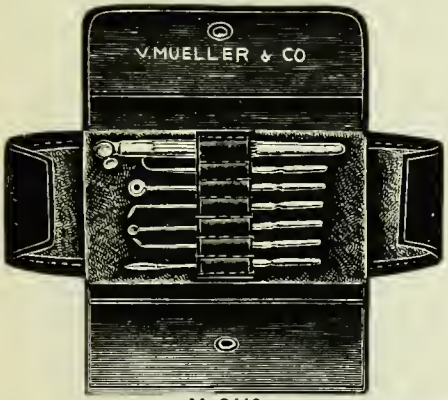
M-2400 Universal handle for ear instruments without set screw..... 1 25

All ear instruments from figure A to 46 for use in universal handles, each..... 75

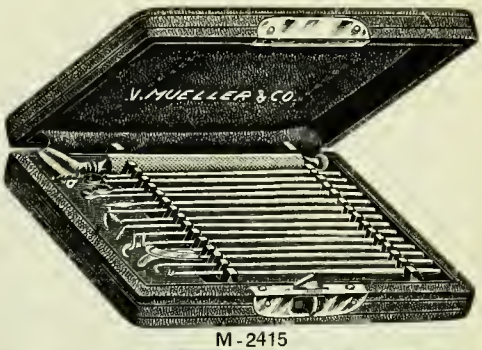
All ear instruments from figure A to 46 for stationary handle like figure M-2405 or similar, each 1 00

Handle M-2395 can be furnished with square shank and with the addition of cross bar B1 and snare tube A1 a satisfactory ear snare can be improvised. Price of cross bar B1 75

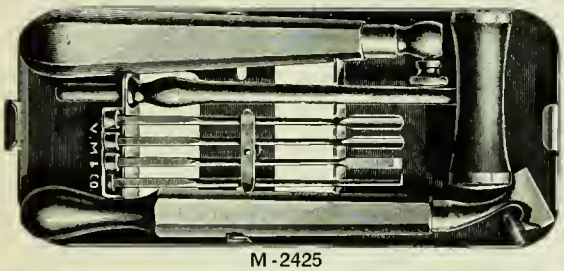
Do not mutilate catalogue.—Specify section letter and number in ordering.



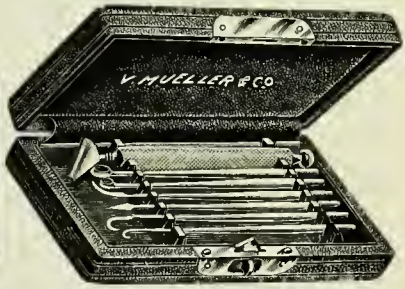
M-2410



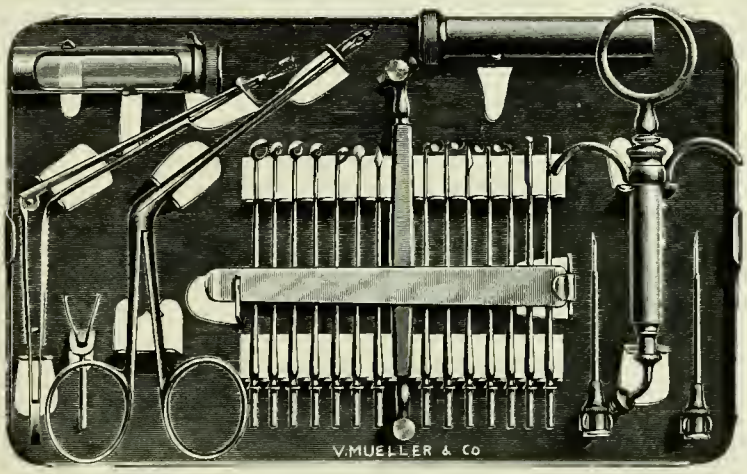
M-2415



M-2425



M-2420



M-2430

EAR OPERATING SETS

M-2410 Ear Operating Set containing 6 instruments and universal handle selected from page 70, in leather case $5 50

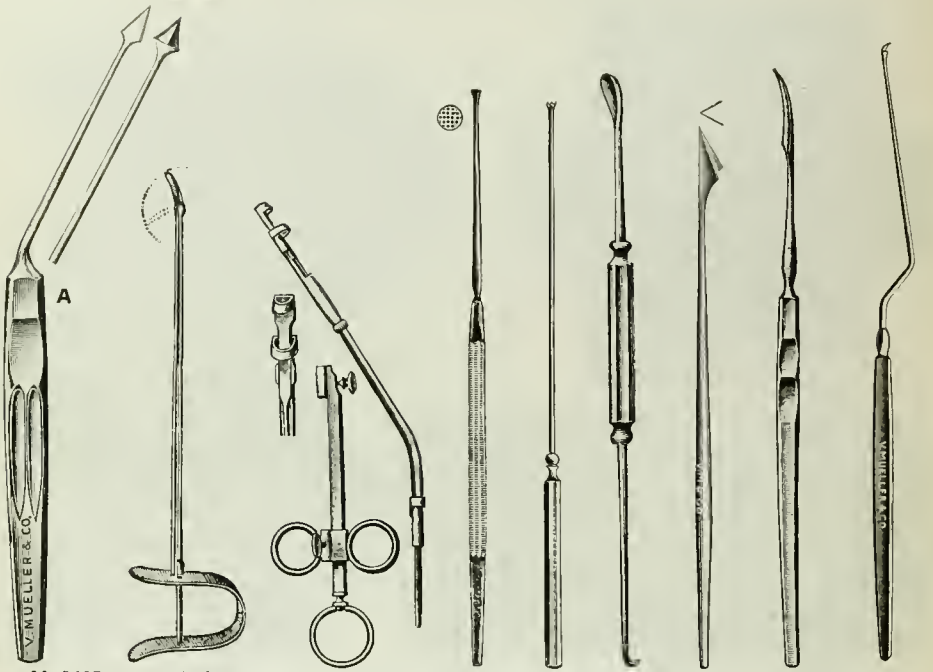
M-2415 V. Mueller & Co.'s Ear Operating Set, containing 14 instruments and universal handle, selected from page 70, in leather covered case 11 50

M-2420 V. Mueller & Co.'s Ear Operating Set, small, containing six instruments and universal handle 6 00

M-2430 Neumann's set of instruments for the extraction of maleus and incus. Complete in metal case 28 50

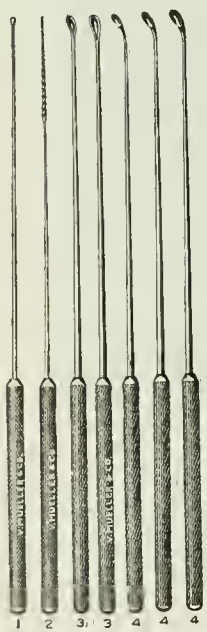
M-2425 Neumann's set of instruments for removing the lateral attic wall. Complete in metal case 12 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



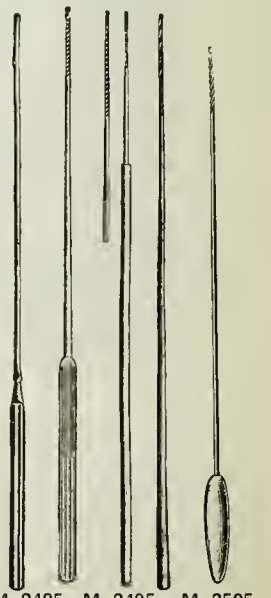
M-2435 M-2440 M-2445 M-2450 M-2455 M-2460 M-2465 M-2470 M-2475

EAR OPERATING INSTRUMENTS AND APPLICATORS

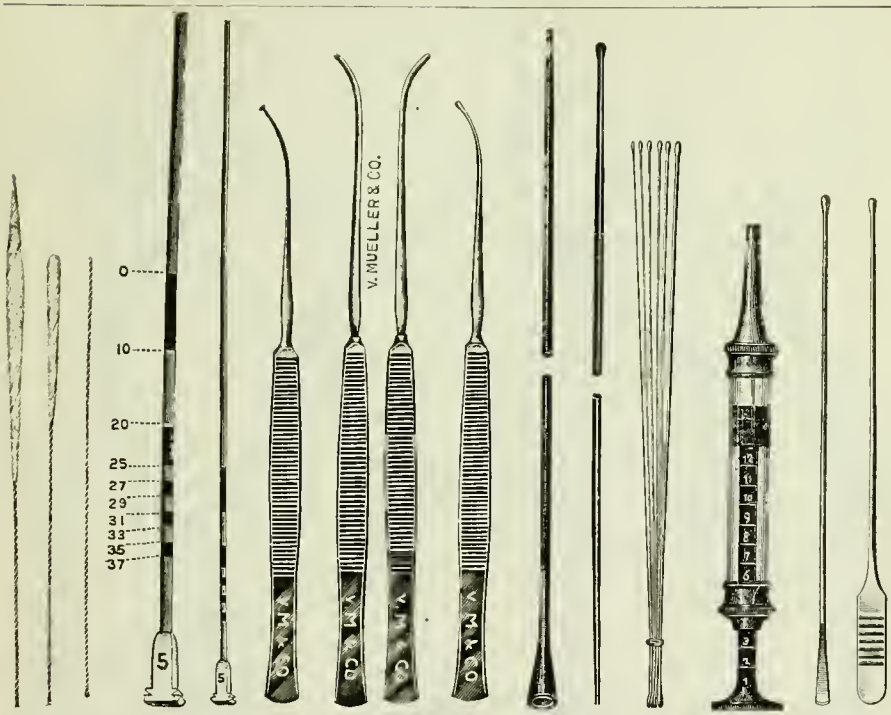


M-2480

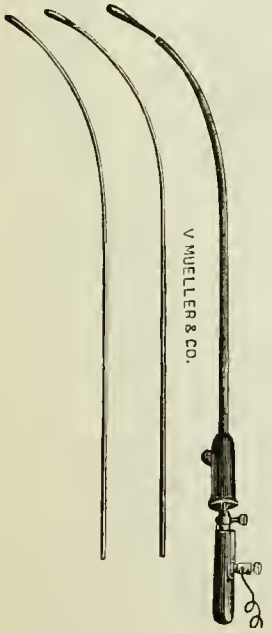
M-2435	Tympanum perforator, Politzer angular	$1 25
M-2435A	Tympanum perforator, Troeltsch's, with stop on blade	1 25
M-2440	Foreign body instrument, Quire's	1 25
M-2445	Curette forceps, Corde's, in small Krause handle, cutting tip can be set in any direction	12 50
M-2450	Gauze packer, Allport's	75
M-2455	Gauze packer, Pierce's	30
M-2460	Ear spoon and hook	25
M-2465	Tympanum perforator, Chapman's V shaped	1 25
M-2470	Ear bistoury, Buck's, sharp or blunt pointed, each	1 00
M-2475	Tympanum perforator, Pierce's, bayonet shape with stop on blade	1 25
M-2480	Hotz' set of ear instruments, flexible shank in small linen roll, complete. Single instruments: No. 1, silver probe, $0 45; No. 2, silver applicator, $0 45; No. 3, blunt silver curettes, two sizes, each, $0 75; No. 4, sharp steel curettes, three sizes, each	5 00 90
M-2485	Ear applicator, Buck's, triangular or serrated	20
M-2490	Ear applicator, Davey's, each	35
M-2495	Ear applicator, Prince's, each	20
M-2500	Ear applicator, Andrews', aluminum	10
M-2505	Ear applicator, Dean's German silver	20



M-2485 M-2495 M-2505
M-2490 M-2500



M-2510 M-2515 M-2520 M-2525 M-2530 M-2535 M-2540 M-2545 M-2550 M-2555 M-2560

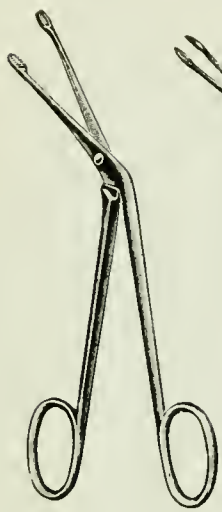


M-2565

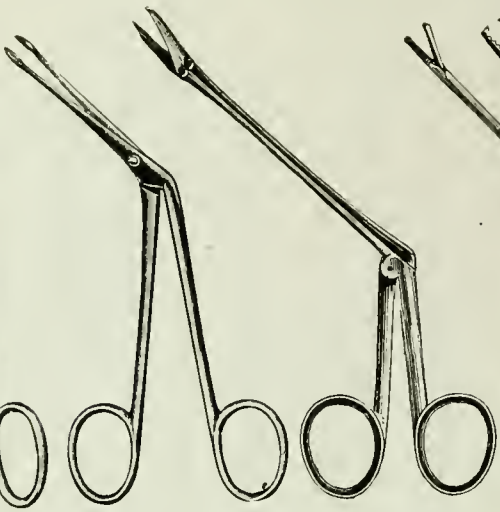
INSTRUMENTS FOR THE EUSTACHIAN TUBE, ETC.

M-2510	Eustachian applicator, Yankauer's, illustration about twice actual diameter, each, $0 10; dozen..	$0 75
M-2515	Eustachian bougie, Yankauer's, graduated, five sizes in glass tube, per set net.....	6 00
M-2520	Salpingeal curette, Yankauer's, made in three sizes, each	2 50
M-2525	Salpingotomes, right and left, Yankauer's, each..	2 50
M-2530	Salpingeal probe, Yankauer's.....	2 00
M-2535	Catheter, Weber-Liel, made of silk for use through Eustachian catheter, each	1 00
M-2540	Bougies, Eustachian, Weber's, made of silk, each..	60
M-2545	Bougies, Eustachian, Urbantschitsch's, made of celluloid, set of 6 sizes in glass tube.....	2 25
M-2550	Syringe, Weber's, all glass and rubber, for injection of medicines through Weber-Liel catheter.....	1 50
M-2555	Ear probe, fine, silver.....	50
M-2560	Ear probe, Fish's, silver.....	60
M-2565	Eustachian electrodes, gold, Duel's, three sizes, including silver rubber covered catheter, connection and cord, complete.....	6 75

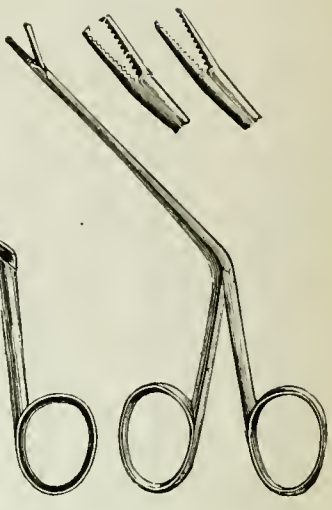
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-2570



M-2575



M-2580

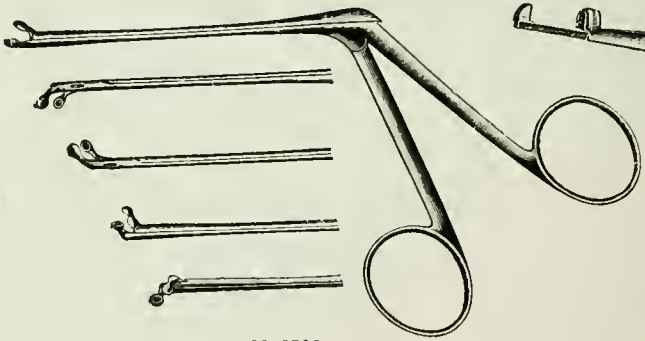
M-2585



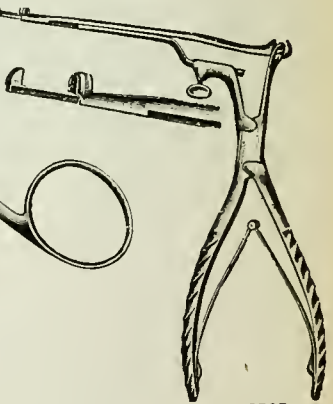
A



B



M-2590

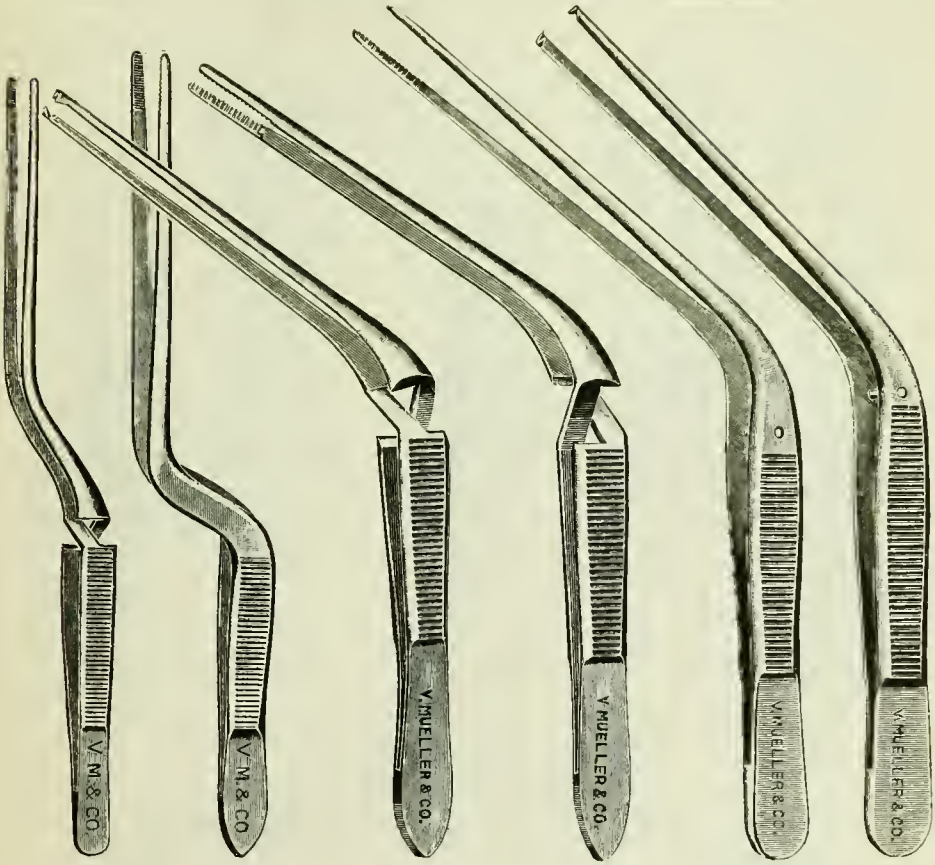


M-2595

EAR FORCEPS AND EAR SCISSORS

M-2570	Ear Forceps, Hartmann's, regular	$1 10
M-2575	Ear Forceps, Hartmann's, extra fine small point	1 25
M-2580	Ear Scissors, Alligator, Noyes'	5 00
M-2585	Ear Forceps, Alligator, Noyes', with serrated points, each, $1 85; with mouse tooth point, each	2 00
M-2590	Ear cutting Forceps, Hartmann's, Alligator type	4 00
	Ear Forceps, Alligator type, same as above, cutting right or left, upward or downward, each	5 00
M-2590A	Ear cutting Forceps, Alligator type, Hoffman's fenestrated oval, each	7 50
M-2590B	Ear cutting Forceps, fenestrated round or oblong, each	7 50
M-2595	Supra-meatal Bone Forceps, Hartmann's, two sizes of punches with one handle	12 00
M-2595A	Middle Ear Clipper, Dench's (not illustrated)	7 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-2600 M-2605 M-2610 M-2615 M-2620 M-2625



M-2630

EAR FORCEPS

M-2600 Ear forceps, cross action, bayonet shape.. ..... $1 50
M-2605 Ear forceps, bayonet shape..... 85
M-2610 Ear forceps, cross action, angular, mouse tooth 1 10
M-2615 Ear forceps, cross action, angular, serrated points 1 00
M-2620 Ear forceps, angular, serrated points..... 70
M-2625 Ear forceps, angular, mouse tooth..... 75
M-2630 Ear forceps, Littauer's, two patterns, opening vertically and horizontally, each..... 1 35

These forceps have very delicate points and rounded shanks.

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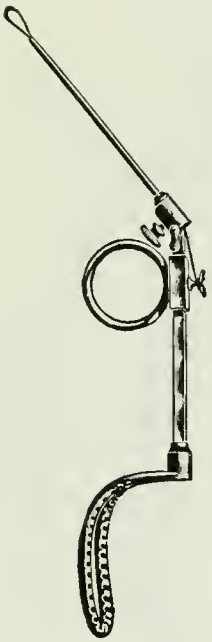
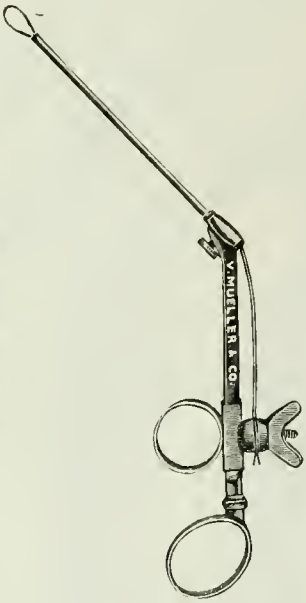
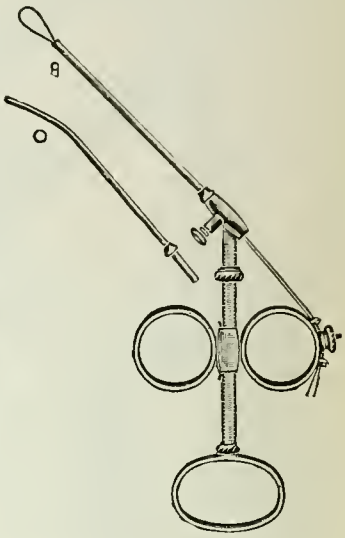


M-2635



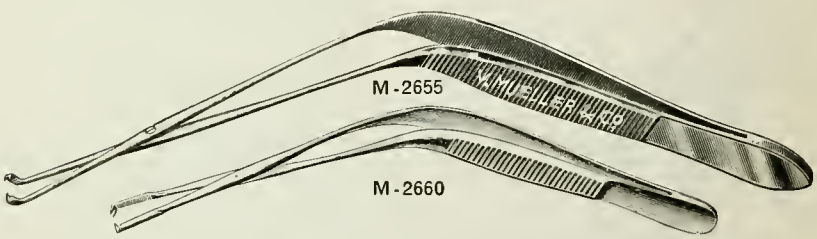
M-2640



M-2645



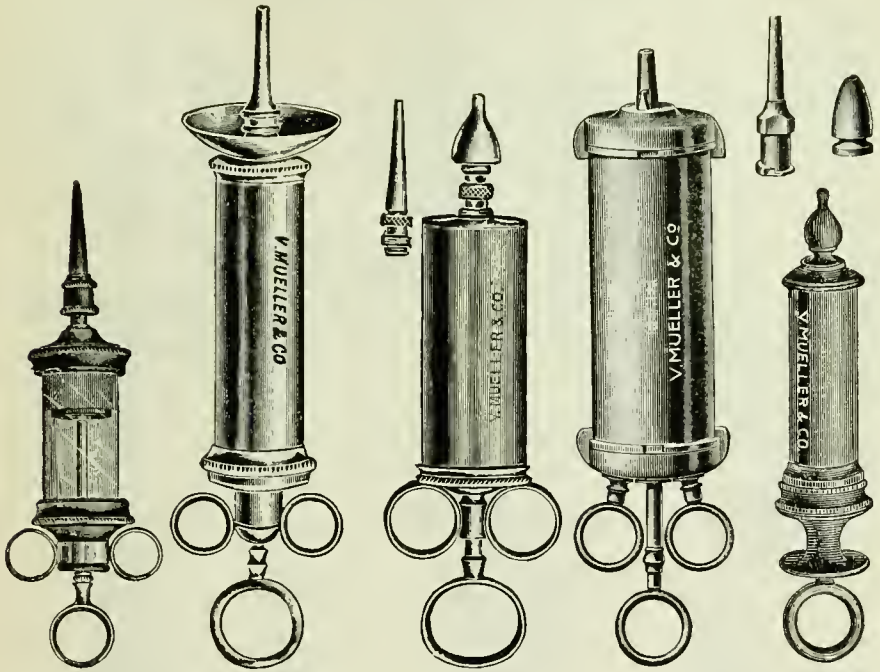
M-2650



EAR SNARES AND ATTIC FORCEPS

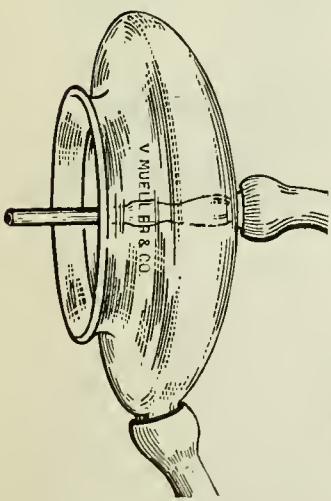
M-2635	Ear snare, Blake's improved	$1 90
M-2640	Ear snare, Dean's	1 75
M-2645	Ear snare, Pynchon's, two canulaes	2 25
M-2650	Attic forceps, Allport's	6 00
M-2655	Attic forceps, Stucky's	6 00
M-2660	Ear forceps, McKay's	2 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-2665 M-2670 M-2675 M-2680 M-2685

EAR SYRINGES AND DOUCHES



M-2690

M-2665 Ear syringe, Vienna pattern, glass barrel, hard rubber mounting, 4 oz., $2 25; 6 oz... $2 75

M-2670 Ear syringe, Pomeroy's, metal barrel, leather packing, 1 oz., $1 50; 2 oz. $1 75

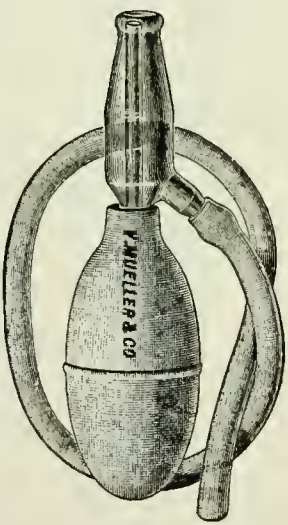
M-2675 Ear syringe, V. Mueller & Co.'s, made entirely of metal with two tips, 2 oz., $3 00; 3 oz., $3 50; 4 oz..... $4 00

M-2680 Ear syringe, Alexander's, all metal with carefully ground piston, both ends are connected by means of bayonet slip joints, capacity, 160 cc. $9 00

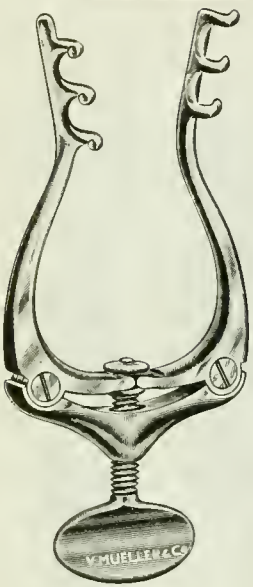
M-2685 Ear syringe, hard rubber, 2 oz., $1.35; 4 oz $2 25

M-2690 Ear douche, Fowler's, net $1 00

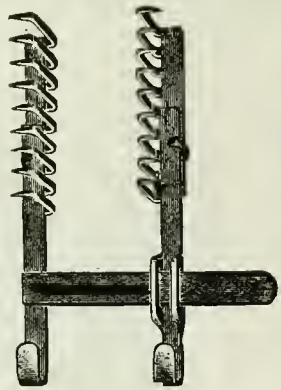
M-2695 Ear douche and masseur, V. Mueller & Co.'s, each..... $0 75



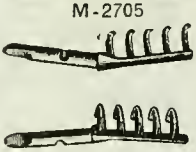
M-2695

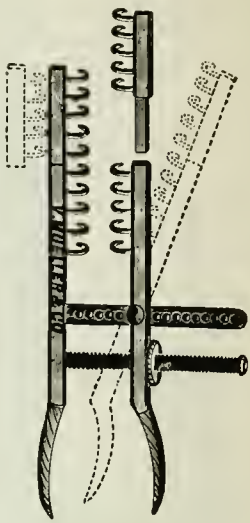


M-2700



M-2705

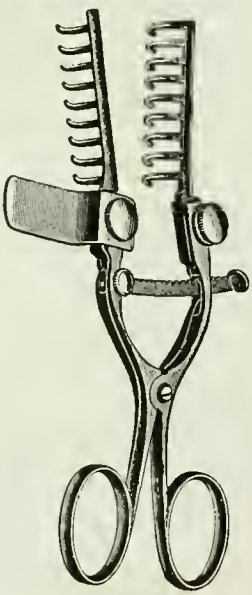




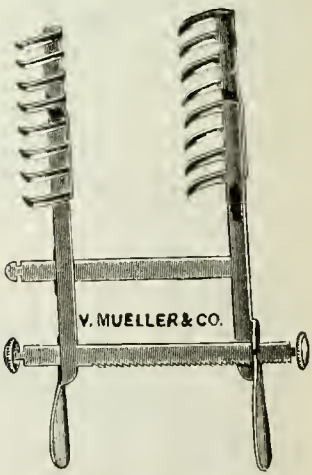
M-2710



M-2715



M-2720



M-2725

MASTOID RETRACTORS

M-2700	Mastoid retractor, Jansen's, latest model, very strong, each	$4 00
M-2705	Mastoid retractor, Andrews', with detachable blades to use as a large or small retractor, each	5 50
M-2710	Mastoid retractor, Bishop's, with detachable blades to use as a large or small retractor, each	7 50
M-2715	Mastoid retractor, Allport's, made of steel and tempered, each	3 25
M-2720	Mastoid retractor, Jack's, with detachable blades, each	7 50
M-2725	Mastoid retractor, automatic, with detachable blades, each	4 50

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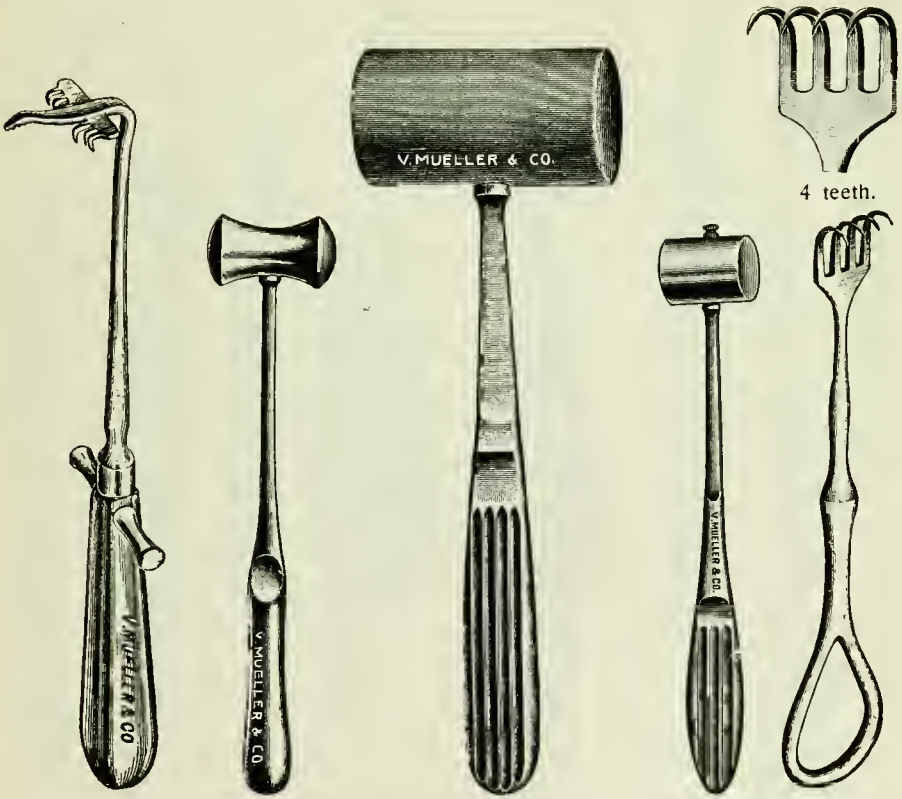
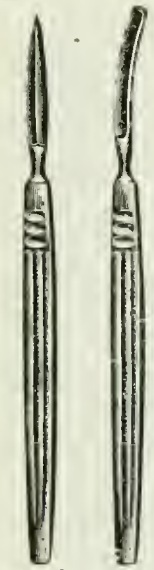


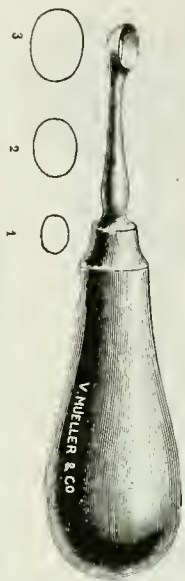
RETRACTORS, MALLETS AND FORCEPS

M-2730	Mastoid Retractor, Fry's	$3 25
M-2735	Mastoid Retractor, Volkmann's, made of one piece of steel with three or four teeth, each	1 25
M-2740	Mallet, metal, lead filled	1 50
M-2745	Mallet, of wood fibre, with metal handle	3 00
M-2750	Mallet, small size, made of bronze, steel handle	1 50
M-2755	Mastoid Rongeur Forceps, extra small model, Alexander's	3 50
M-2760	Mastoid Rongeur Forceps, extra small model, bayonet points, Jansen's	3 50

Do not mutilate catalogue.—Specify section letter and number in ordering.


M-2765 M-2770


M-2775



M-2780



M-2785


M-2790


M-2795



M-2800

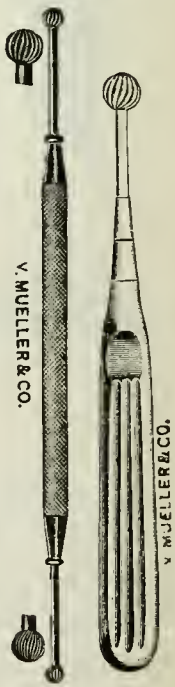


M-2805

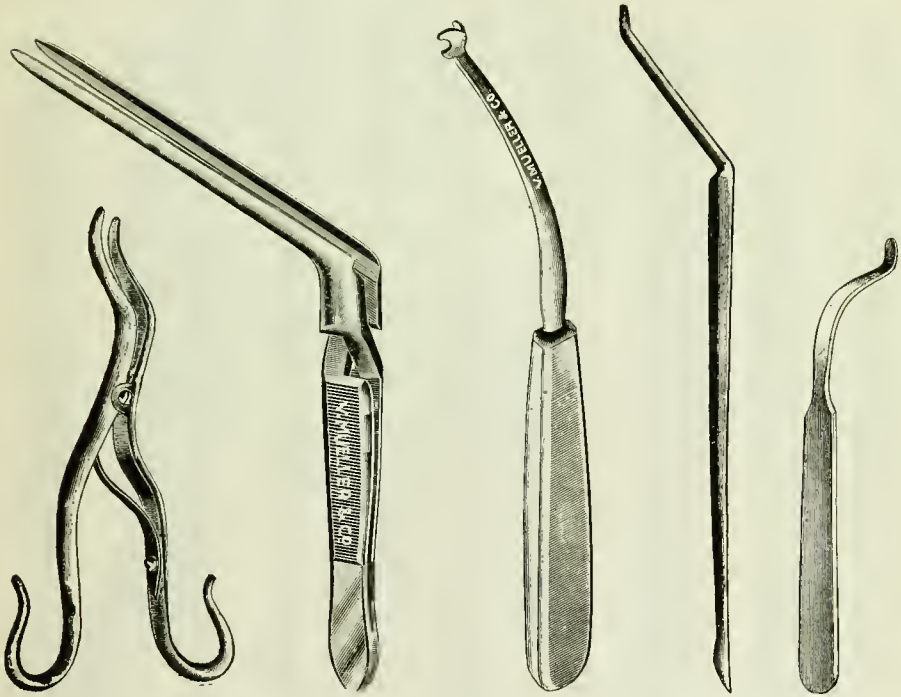
MASTOID KNIVES, CURETTES, DRILLS, ETC.

M-2765	Double edge knife, Allport's	$1 25
M-2770	Convex edge knife, blunt point, Allport's	1 25
M-2775	Periosteotome, Allport's	1 50
M-2780	Mastoid curette, with oval perforated bowl, McKernon's, heavy metal handle, three sizes, each	2 00
M-2785	Mastoid gouge, McKernon's, heavy metal handle	2 00
M-2790	Mastoid knife, Politzer's	1 50
M-2795	Mastoid knife, Buck's	1 50
M-2800	Meatal flap knife, Heath's	2 00
M-2805	Mastoid bone drill, Schwabe's (Russian)	11 50
M-2810	Eustachian burr, Allport's, double ended	2 50
M-2815	Mastoid burr, Ballenger's, made in three sizes, each	2 75

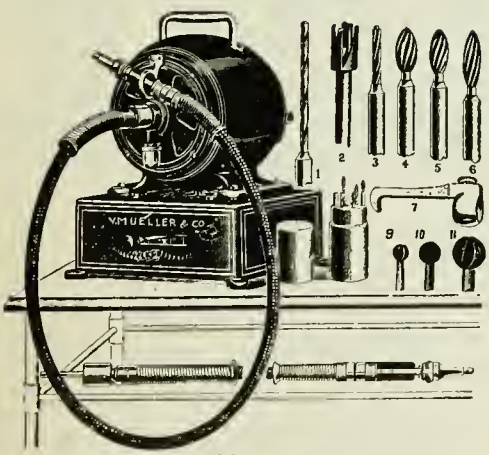
For other operating knives, see section N.



M-2810 M-2815



M-2820 M-2825 M-2830 M-2835 M-2840



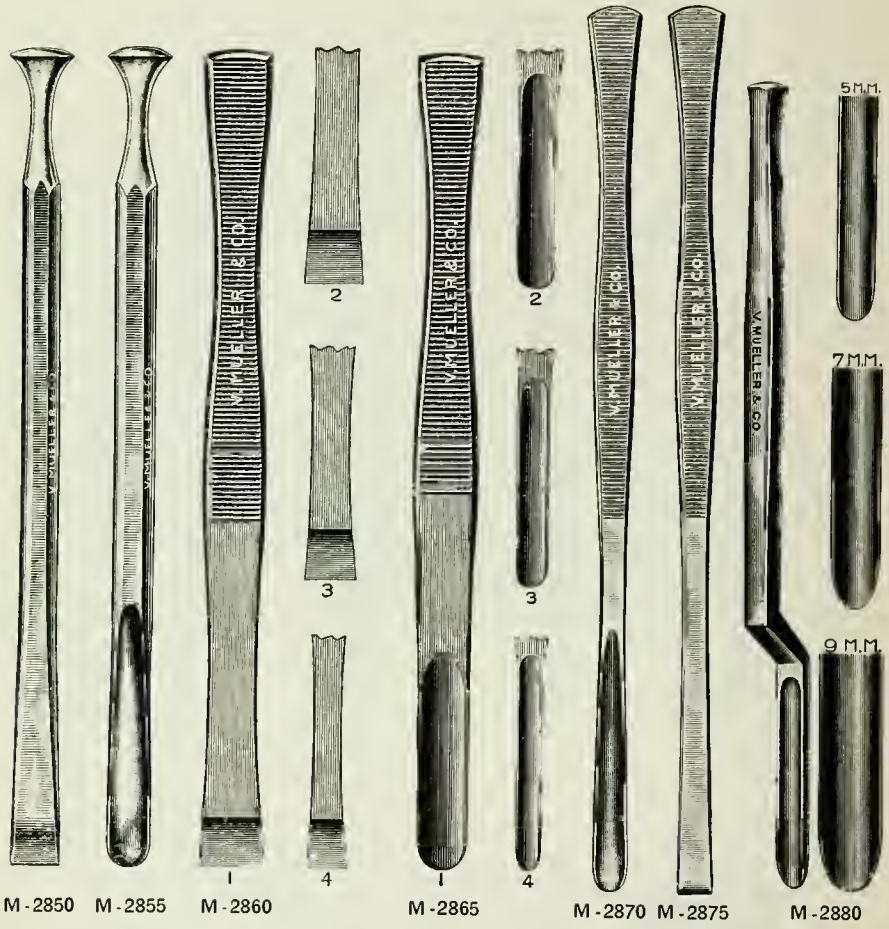
M-2845

SURGICAL ENGINE, EXPLORERS AND PROTECTORS

M-2820	Divulsor, Allport's	$4 00
M-2825	Brain explorer, Jackson's..	2 50
M-2830	Protectors, Bourquet's, for facial nerve, right and left, each	1 60
M-2835	Protector and guide, Bishop's	1 25
M-2840	Protector and guide, Stacke's	1 00
M-2845	Bone Surgery Engine, (Victor) complete as illustrated including cable, hand piece and cutters, for 110 volt direct current	115 00
M-2845A	Bone surgery engine, (Victor) complete as illustrated including cable, hand piece, and cutters, for 110 volt alternating current	125 00

If interested write for detailed description and larger illustration.

Special cutters for use with this machine are made by us to order.

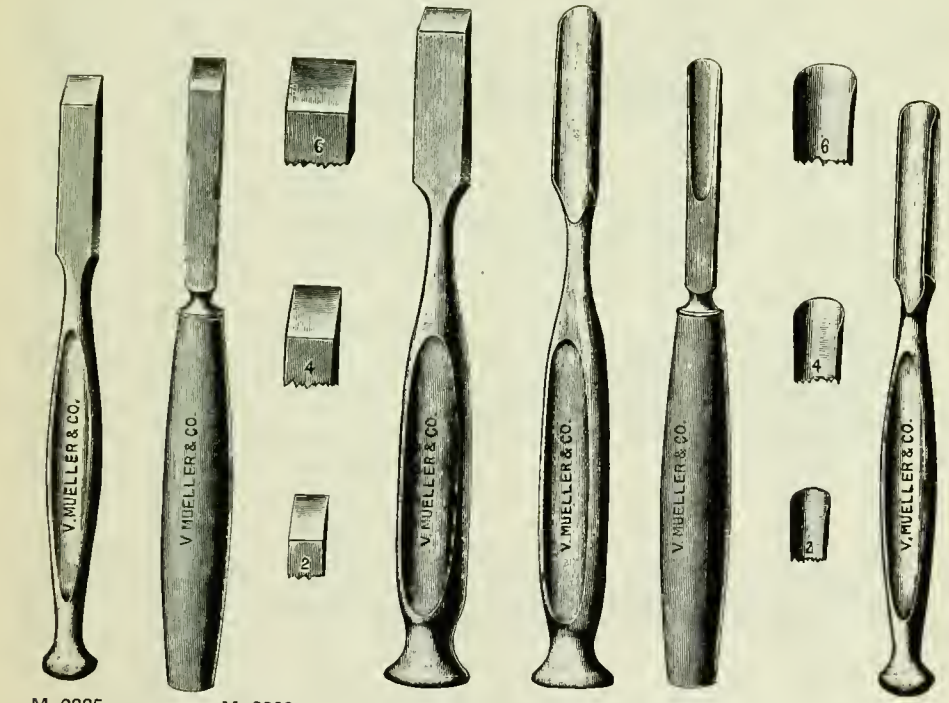


MASTOID CHISELS AND GOUGES

M-2850	Mastoid chisel, Andrews', made in two sizes, each	$1 10
M-2855	Mastoid gouge, Andrews', made in two sizes, each	1 25
M-2860	Mastoid chisel, Trautmann's, made in four sizes, as per illustration, each	75
M-2865	Mastoid gouge, Trautmann's, made in four sizes as per illustration, each	90
M-2870	Mastoid gouge, Bishop's, made in three sizes, illustration representing medium size, each	1 00
M-2875	Mastoid chisel, Bishop's, made in three sizes, illustration representing medium size, each	90
M-2880	Mastoid gouge, bayonet shape, Alexander's, especially adapted for labyrinth work, 5, 7 and 9 mm., each	1 85

All the chisels and gouges listed are carefully made by hand of the best English steel.

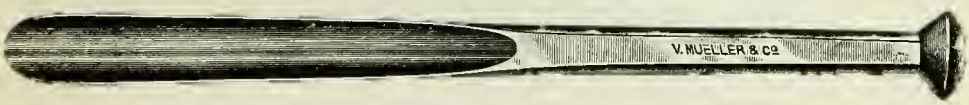
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-2885 M-2890 M-2895 M-2900 M-2905 M-2910



M-2915



M-2920

MASTOID CHISELS AND GOUGES—Continued

M-2885	Mastoid chisel, Gutsch's, made in two sizes, 6½ ins. long, each	$1 00
M-2890	Mastoid chisel, Whiting's, made in three sizes, as per illustration, each	2 00
M-2895	Mastoid chisel, Gutsch's, large pattern, 7½ ins.	1 25
M-2900	Mastoid gouge, Gutsch's, large pattern, 7½ ins.	1 50
M-2905	Mastoid gouge, Whiting's, made in three sizes as per illustration, each	2 25
M-2910	Mastoid gouge, Gutsch's, small pattern, 6½ ins.	1 25
M-2915	Mastoid chisel, Alexander's, made in sizes 6, 8, 10, 12 and 14 mm., 6¾ ins. long, each	1 85
M-2920	Mastoid gouge, Alexander's, made in sizes 6, 8, 10, 12 and 14 mm., 6¾ ins. long, each	2 25

All the chisels and gouges listed are carefully made by hand of the best English steel.

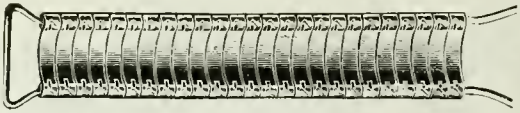
Do not mutilate catalogue.—Specify section letter and number in ordering.



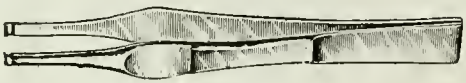
M-2930



M-2935



M-2960



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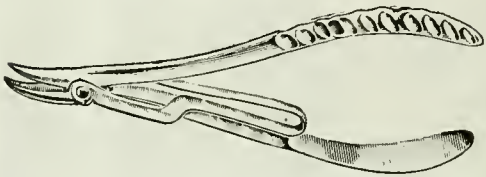


M-2970



M-2975



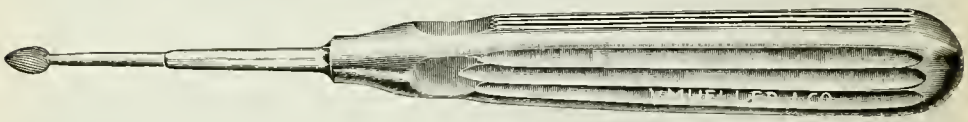
M-2940



M-2945



M-2950



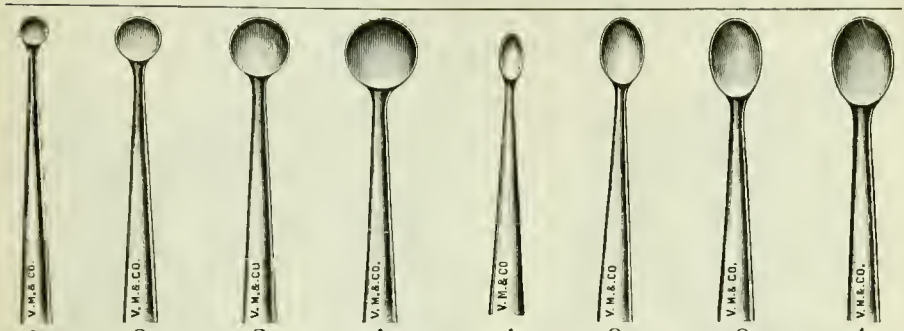
M-2955

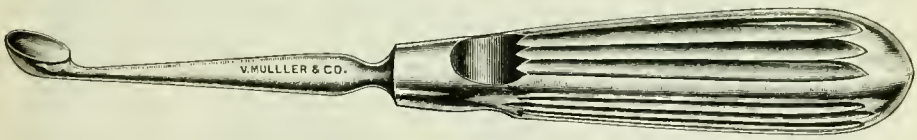
SUTURE INSTRUMENTS, PERIOSTEOTOMES, ETC.

M-2930	Periosteotome, Andrews'	$1 35
M-2930	Periosteotome, Ballenger's, arranged to push and pull	1 75
M-2940	Periosteotome, Langenbeck's	1 50
M-2945	Periosteotome and bone scoop, Ferguson's	1 25
M-2950	Periosteotome and bone scoop, Schmid's	1 85
M-2955	Eustachian burr, Stucky's	2 25
M-2960	Suture clips, Michel's, 25 on rack	35
M-2965	Forceps for introducing suture	75
M-2970	Forceps for removing suture, Allport's	1 75
M-2975	Forceps for introducing and removing Michel sutures	2 00

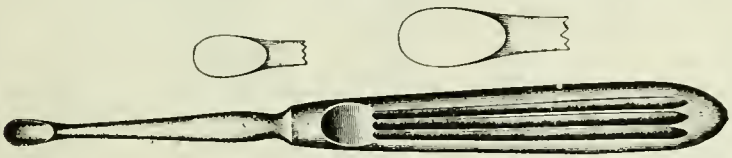
For other suture instruments see section N.

Do not mutilate catalogue.—Specify section letter and number in ordering.

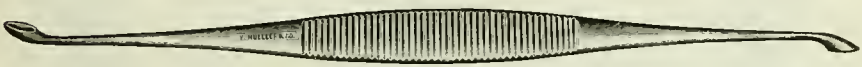




M-2980 M-2985



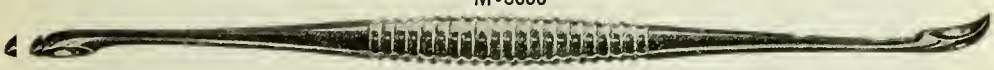
M-2990



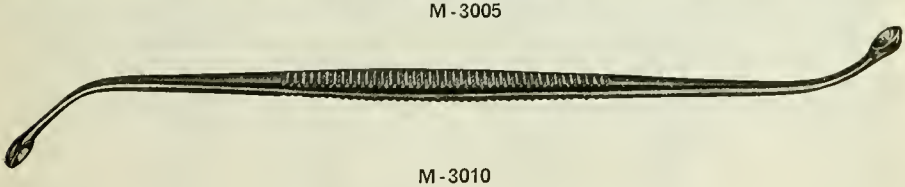
M-2995



M-3000



M-3005

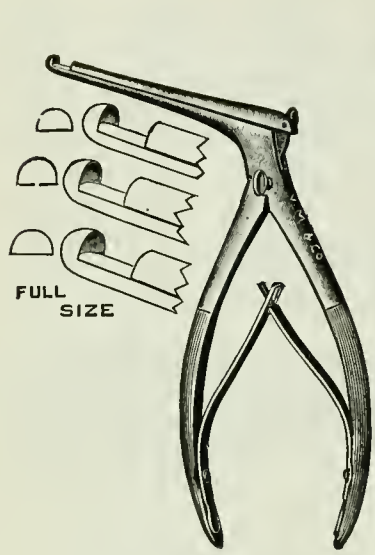


M-3010

BONE SCOOPS AND CURETTES

M-2980	Mastoid curettes, V. Mueller & Co.'s, round, four sizes, each	$1 50
M-2985	Mastoid curettes, V. Mueller & Co.'s, oval, four sizes, each	1 50
M-2990	Mastoid curettes, Whiting's, three sizes, each	2 00
M-2995	Mastoid curette, Barth's, double ended	1 85
M-3000	Mastoid curette, Shafer's, with one round and one small oval spoon	1 25
M-3005	Mastoid curette, Schmid's, double ended	1 85
M-3010	Mastoid curette, Killian's, double ended, small	1 85

For other mastoid curettes see page 76.



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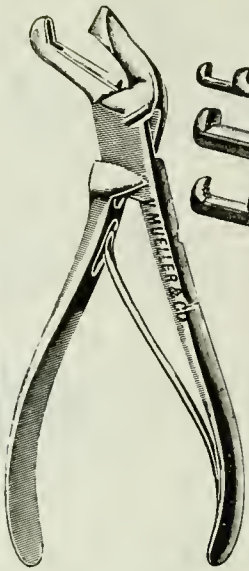
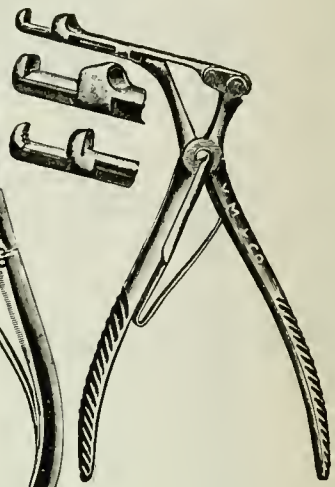


M-3020



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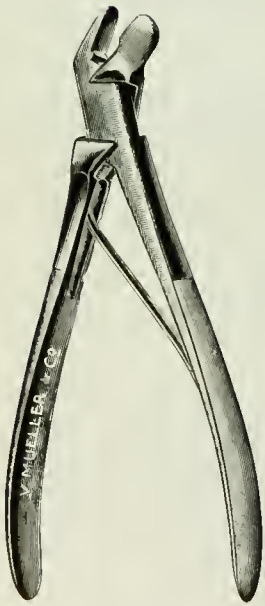

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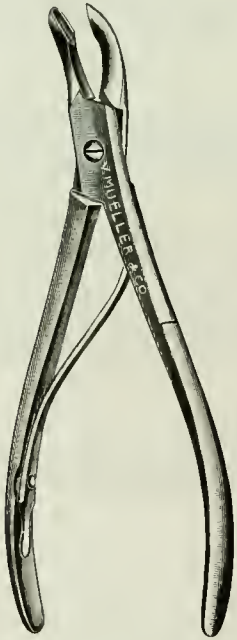


M-3035



M-3040

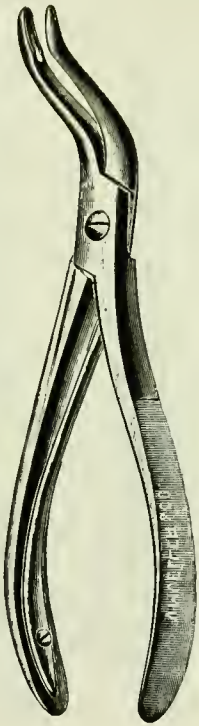
MASTOID RONGUERS

M-3015 Mastoid ronguer, Kerrison's, made in three sizes, each $8 50
M-3020 Mastoid ronguer, Lombard's..... 6 50
M-3025 Mastoid ronguer, Cozzolini-Allport's, latest model, two sizes, each 12 00
M-3030 Mastoid ronguer, Barnhill's..... $5 00
M-3035 Mastoid ronguer, Bane's, latest pattern, heavy shanks..... 4 50
M-3040 Mastoid ronguer, Andrews'-Hartmann's 2 75

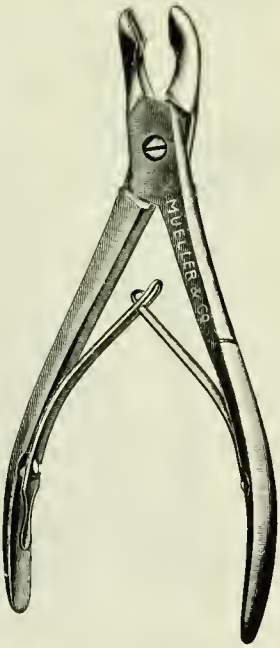
Do not mutilate catalogue.—Specify section letter and number in ordering.



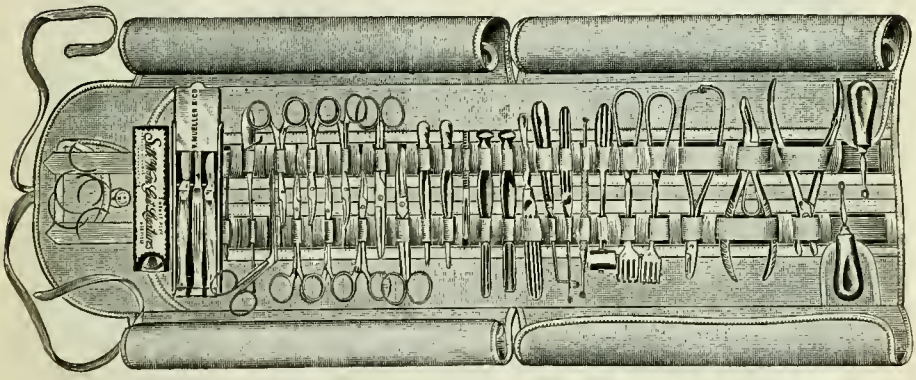
M-3050



M-3045



M-3055



M-3060

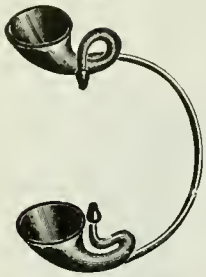
RONGUERS AND MASTOID SETS

M-3045 Mastoid ronguer, Jansen's, bayonet shape..... $3 75
M-3050 Mastoid ronguer, Lucae's 4 00
M-3055 Mastoid ronguer, Luer's, extra heavy..... 4 75

PIERCE'S MASTOID SET

M-3060 The selection of mastoid instruments shown here with the addition of two Jansen's automatic retractors represents the mastoid set as used by Dr. Norval Pierce of Chicago. This is only shown as a suggestion of what ordinarily is needed for this work. Any of the various retractors, ronguers, etc., will be substituted to suit the individual operator. Price of set according to selection of instruments.

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3090



M-3095



M-3065



M-3070



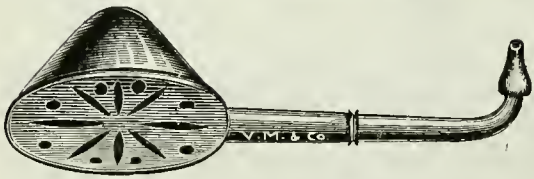
M-3075



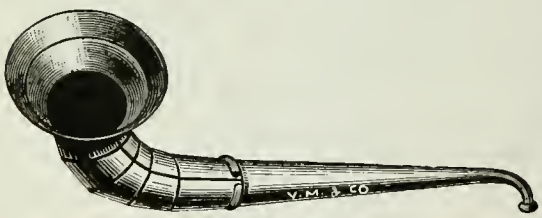
M-3080



M-3085



M-3100



M-3105



M-3110

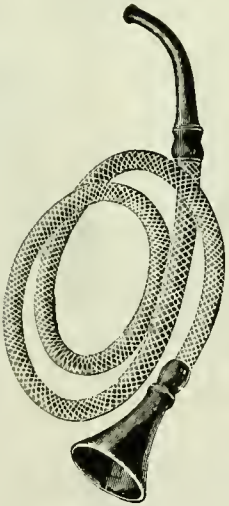
HEARING APPLIANCES

M-3065	and M-3070 Hard rubber telescopic trumpet, two parts	$3 00
M-3075	Hard rubber telescopic trumpet, three parts	4 50
M-3080	and M-3085 Hard rubber telescopic trumpet with scoop shaped bell	5 00
M-3090	Auricles, silk covered, pair	6 50
M-3095	Ear cornets, silver, each	1 30
M-3100	Ear trumpet, Vienna pattern, telescopic, nickel plated	6 50
M-3105	Ear trumpet, cornucopia, jointed, nickel plated	6 50
M-3110	London dome trumpet, three sizes, each	6 00

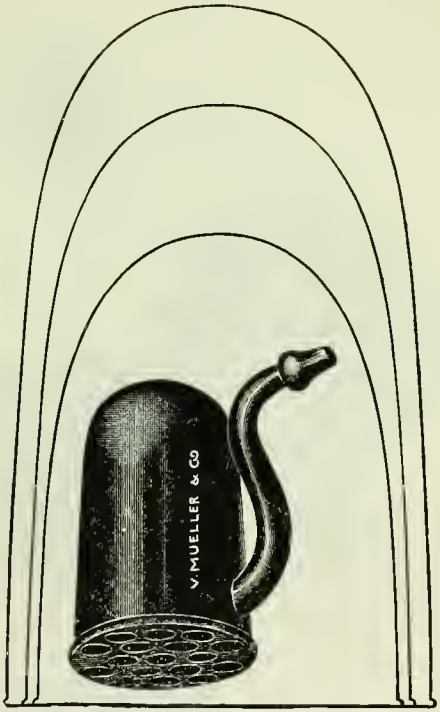
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3115



M-3120



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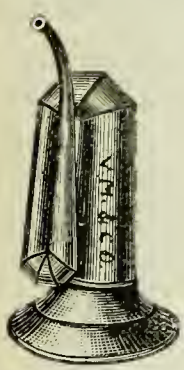
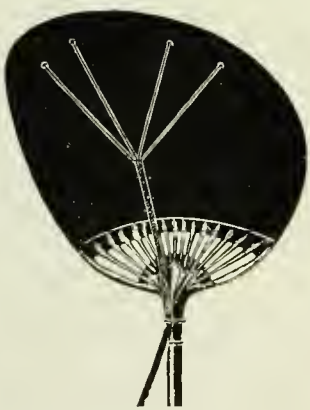


M-3130



M-3135



M-3140

HEARING APPLIANCES—Continued

M-3115	Berlin ear trumpet, made in three sizes, 8¾ ins. long, $4 00; 13½ ins. long, $5 50; 17 ins. long	$7 00
M-3120	Conversation tube, conical, 3 ft. long, $3 00; 5 ft. long	4 00
M-3125	London hearing horn, made in three sizes, small, $3 00; medium, $3 50; large	4 00
M-3130	Bugle ear trumpet, nickel plated	5 00
M-3135	Miss Greene's hearing horn, small, $3 00; large	4 00
M-3140	Audiphone hearing fan, made of hard rubber	7 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3145 M-3150 M-3155

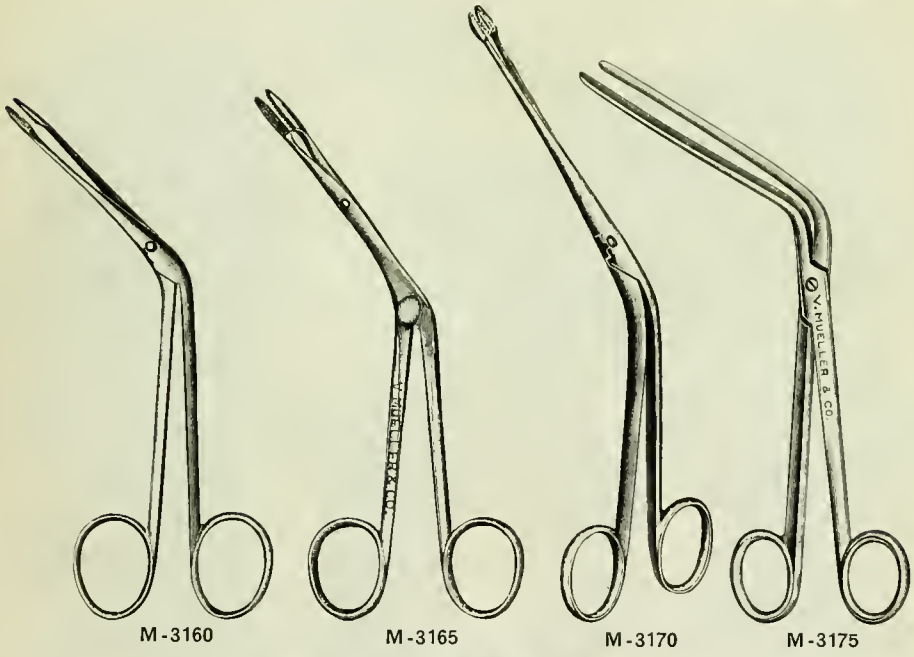
HEARING APPLIANCES—Continued

M-3145 Stolz Electrophone. This appliance is a pocket telephone for those who are deaf and partially deaf. It is a perfect hearing device which improves the natural hearing. The chief merit of the Stolz Electrophone, is that in time it usually restores the unaided hearing. As must be admitted the foremost claim to consideration of any artificial hearing device must be, not its immediate ability to cause more distinct and stronger hearing power, but its capability of curing the affliction itself, and this is what the manufacturers of the Stolz Electrophone claim their appliance will do in time. Complete with connecting cord and one set of batteries .....net $35 00

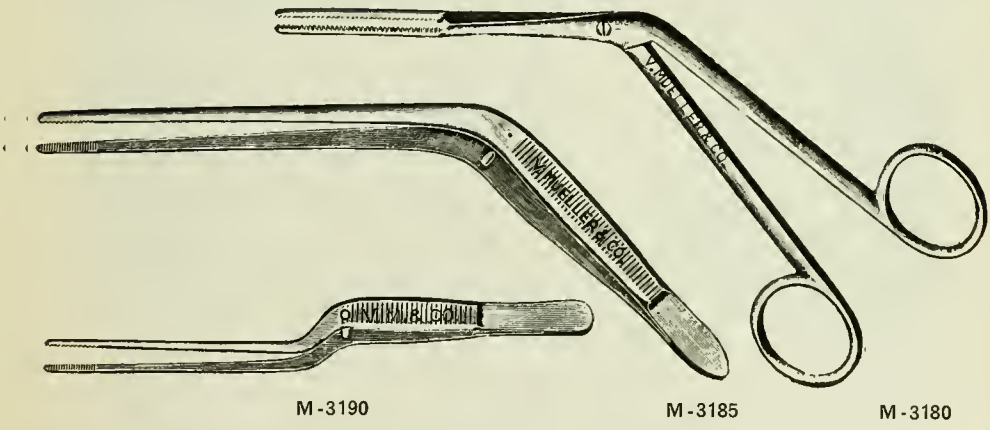
M-3150 Globe Ear Phone. This apparatus is a pocket magnifying telephone for deaf people. It is easily adjustable by the user for different degrees of deafness, and for use under different conditions. The battery is worn concealed in a pocket or under a belt. The concentrating transmitter pinned on or under the coat or waist, catches all surrounding sounds and transmits them to the magnifying receiver, which is held to the ear by hand or by an adjustable head band. With the silk cord and the switch also worn under the clothing there is little to attract attention or to indicate that one is wearing any sort of a hearing device. The Globe Ear Phone is made of aluminum, is very small and light in weight and yet very powerful. Price with batteries and head band in leather case..net 30 00

M-3155 Vibro-phone. This is a simple mechanical instrument with an internal diaphragm for dividing and intensifying sound waves..... $ 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3160 M-3165 M-3170 M-3175

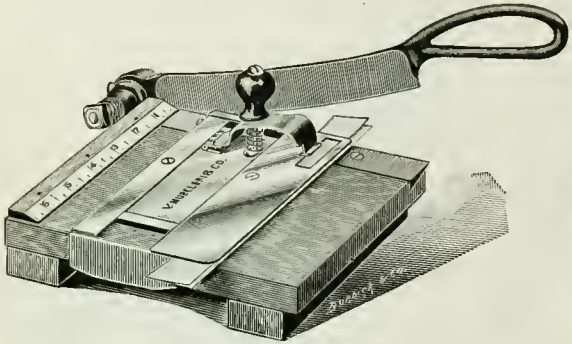


M-3190 M-3185 M-3180

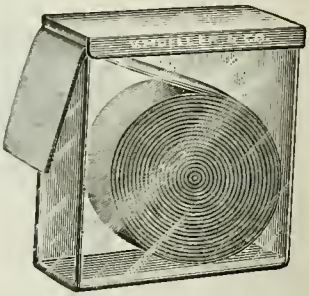
NASAL DRESSING FORCEPS

M-3160	Nasal dressing forceps, Hartmann's, with screw lock, $1 50; lighter pattern with aseptic lock	$1 35
M-3165	Nasal dressing forceps, Knight's, with screw or aseptic lock	1 50
M-3170	Nasal dressing forceps, Ingal's, opening sidewise	1 25
M-3175	Nasal dressing forceps, Solenberger's, with smooth blades	1 85
M-3180	Nasal dressing forceps, Mussholdt's, very slender blades	1 85
M-3185	Nasal dressing forceps, Gruber's, 7 ins. long	1 00
M-3190	Nasal dressing forceps, bayonet shape, Gruenwald's, 8 ins. long	1 50

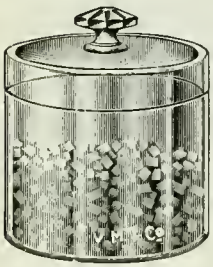
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3195



M-3215



M-3200



M-3205

M-3210



M-3230



M-3220

DRESSINGS AND DRESSING JARS

M-3195 Beck's machine for cutting paper covered cotton pledgets $7 50

The machine here illustrated is so constructed as to cut any size piece of cotton wrapped with sterile paper, which will serve as a protection against contamination while wrapping the cotton on the applicator.

M-3200 Glass jar, with ground top for storing Beck's cut and sterilized cotton pledgets..... $1 25

M-3205 Absorbent cotton, best quality for making pledgets or swabs as used by the nose and throat specialists, in ¼, ½ or 1 lb. cartons, at the prevailing market price.

M-3210 Absorbent gauze, No. 1 and No. 2, kept in stock in packages of 1 yd., 5 yds., 25 yds. and 100 yds., at the prevailing market price.

M-3215 Container for xereform, iodoform or plain selvedged edge gauze from ½ to 1 in. wide, container only 2 00

M-3215A Xereform gauze, selvedged edge, 5 yd. rolls, $0 15; 10 yd. roll, $0 30; 50 yd. roll, $1 40; ½ in. wide. Xereform gauze ¾ in. wide, $0 20, $0 40 and 1 85

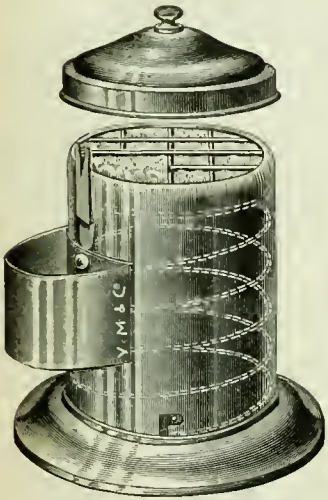
M-3220 Gauze packer strips, plain sterilized non selvedged edge, in glass tubes, according to width from $0 30 to 50

M-3225 Ear drains, package of 10, absorbent..... 50

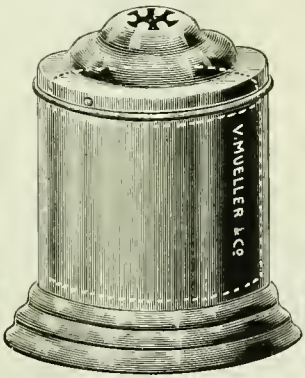
M-3230 Adhesive plaster, zinc oxide, on spools of ½ in. to 3 ins. wide, in rolls 7 ins. and 12 ins. wide. Prices according to market.



M-3225



M-3235



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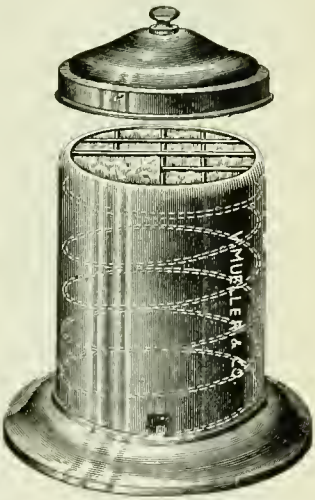
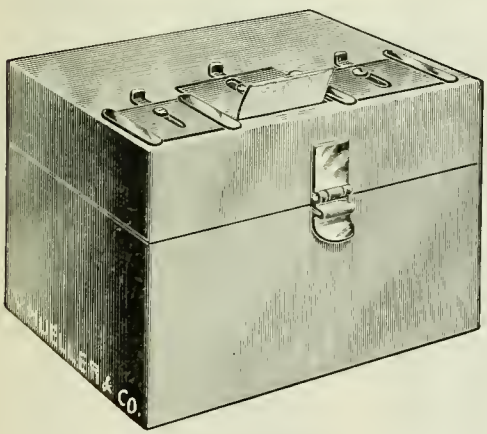
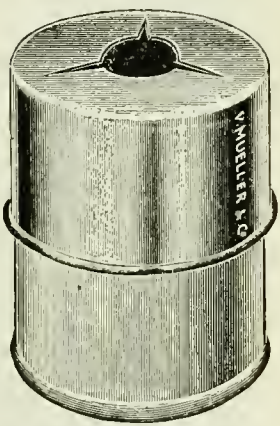


M-3245



M-3250

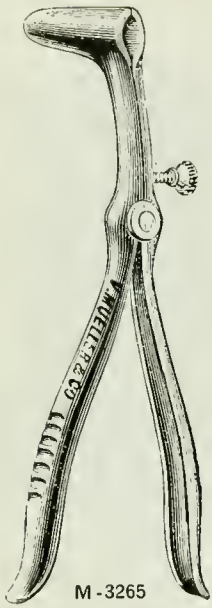


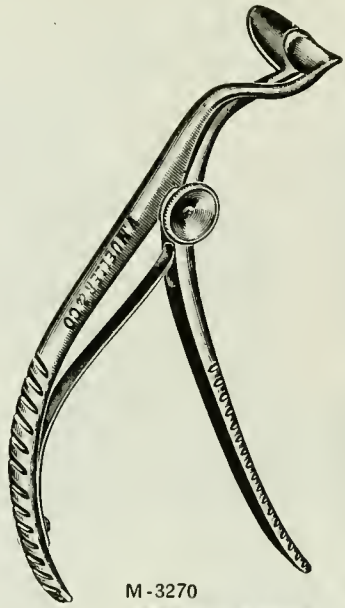
M-3260

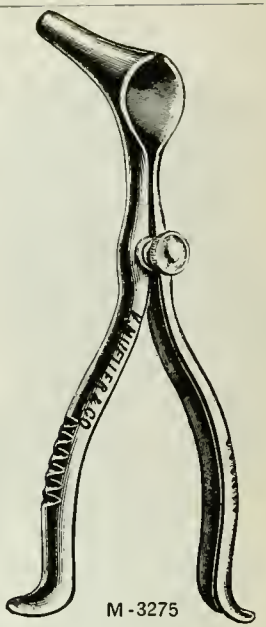
COTTON, GAUZE AND WASTE BOXES

M-3235	Cotton box with waste receptacle attached	$2 00
M-3240	Cotton waste box, Campbell's	1 50
M-3245	Cotton reservoir, Phillip's	1 50
M-3250	Container for gauze packer strips on spools of three different widths. After using the shutters can be closed and the material kept sterile, and if necessary the whole box and contents can be re-sterilized without removing the contents. Arranged for selvedged edge gauze of 1, 2 and 3 cm. wide	6 50
M-3255	Selvedged edge gauze for use in above container at the prevailing market price.	
M-3260	Cotton waste box, Farrell's	1 00

Do not mutilate catalogue.—Specify section letter and number in ordering.

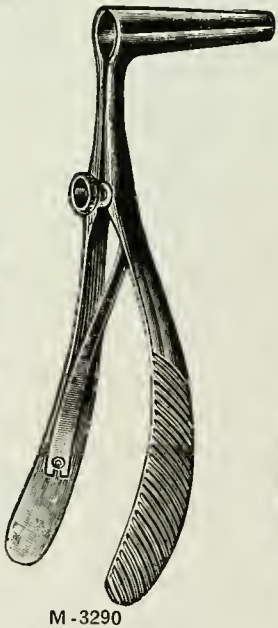


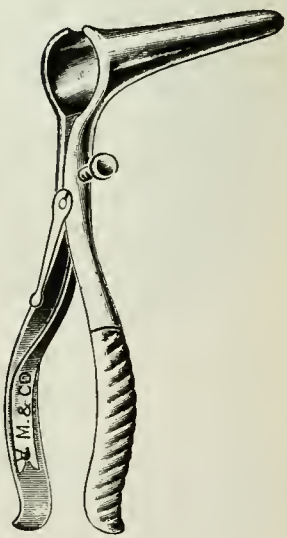








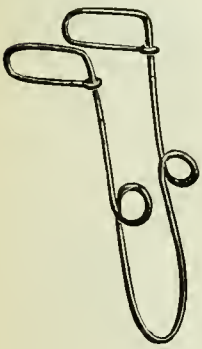




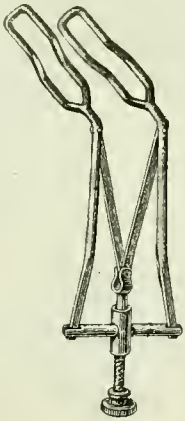
NASAL SPECULA

M-3265 Nasal specula, Ingal's latest pattern with set screw..... $0 90
M-3270 Nasal specula, Monosmith's..... 1 50
M-3275 Nasal specula, Hartmann's..... 85
M-3280 Nasal specula, Vienna pattern, latest model 1 10
M-3285 Nasal specula, Pynchon's, two sizes, each $0 85
M-3290 Nasal specula, Freeman's..... 1 50
M-3295 Nasal specula, Hartmann's, extra long blades..... 1 25

Do not mutilate catalogue.—Specify section letter and number in ordering.


M-3300


M-3305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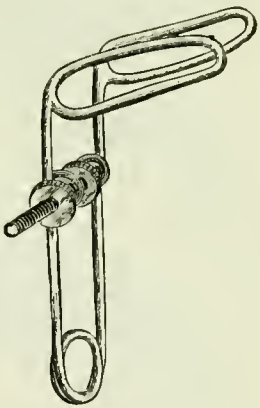
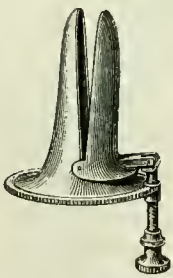
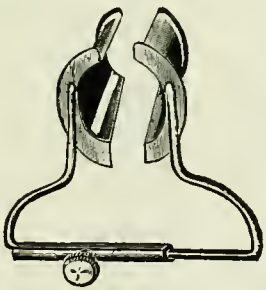
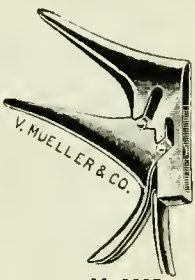

M-3315

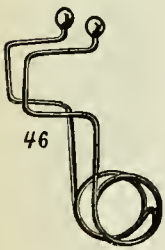

M-3320


M-3325


M-3330



M-3335



M-3340


M-3345



M-3350

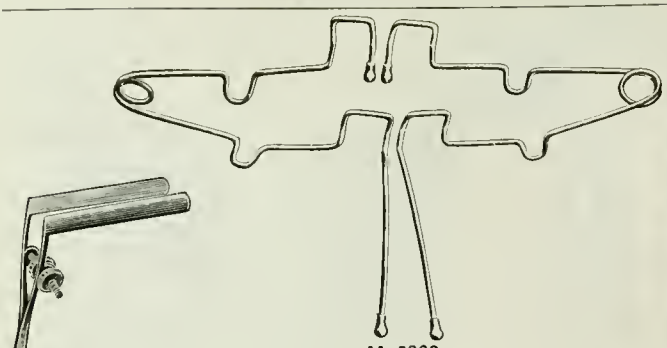


M-3355

NASAL SPECULA—Continued

M-3300	Nasal specula, Farrell's	$0 40
M-3305	Nasal specula, Jarvis'	50
M-3310	Nasal specula, Fraenkel's	90
M-3315	Nasal specula, Bishop's	1 00
M-3320	Nasal specula, Voltini's, with set screw	1 75
M-3325	Nasal specula, Duplay's	1 75
M-3330	Nasal specula, Myles', three sizes, each	80
M-3335	Nasal specula, Selffert's	2 50
M-3340	Nasal specula, De Vilbiss', improved	25
M-3345	Nasal specula, Stearn's, hard rubber, set of three	75
M-3350	Nasal specula, Boettcher's, fenestrated, hard rubber, $0 65; metal	1 00
M-3355	Nasal specula, Allen's, set of three hard rubber	75

Do not mutilate catalogue.—Specify section letter and number in ordering.



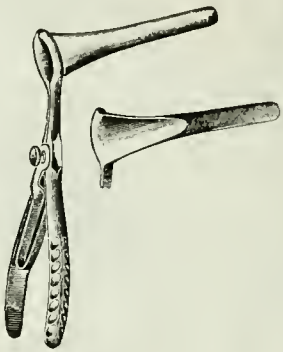
M-3365 M-3360



M-3370



M-3375



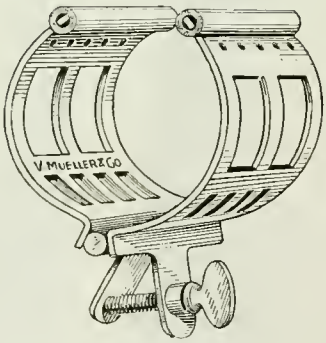
M-3380



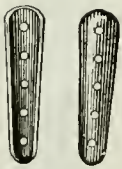
M-3385

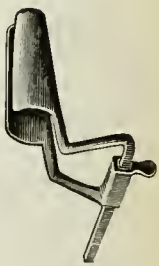


M-3390



M-3400



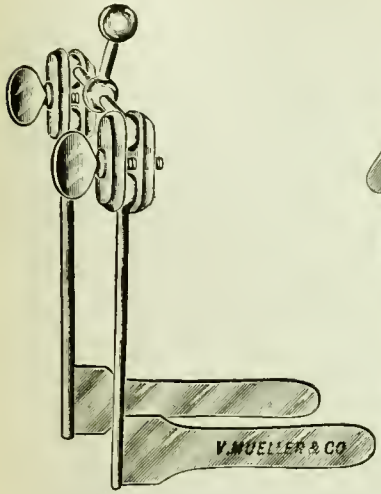


M-3395

SUBMUCOUS NASAL SPECULA, ETC.

M-3360	Specula, Allen-Heffernan's correct pattern with handle, right and left, each	$0 40
M-3365	Specula, Goldstein's	2 25
M-3370	Specula, Ballenger's, r. and l., each	1 00
M-3375	Specula, Pynchon's	2 00
M-3380	Specula, Killian's, three sizes, blades 5, 6½ and 9 cm. long, of tempered steel very thin, each	2 75
M-3385	Specula, Bosworth's, improved, made of steel, tempered	75
M-3390	Specula, Haslam's, two sizes, each	55
M-3395	Specula, Carter's, made of steel, tempered	3 00
M-3400	Nasal bridge, Carter's, with hard rubber splints	4 75

Do not mutilate catalogue.—Specify section letter and number in ordering.



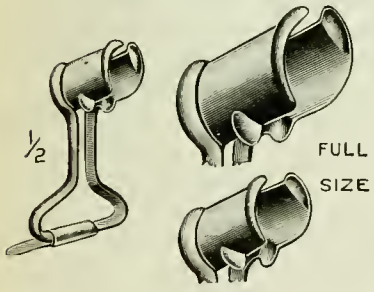
M-3405



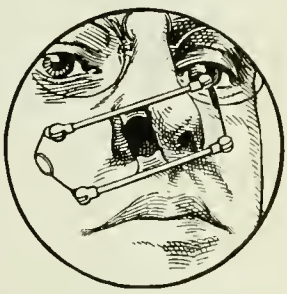
M-3410



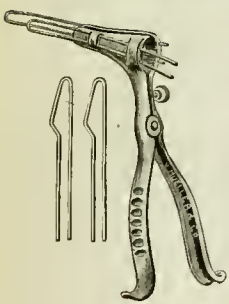
M-3415



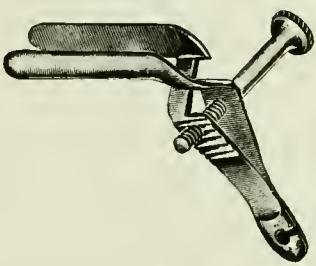
M-3420



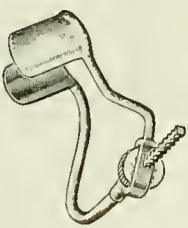
M-3425



M-3430



M-3435

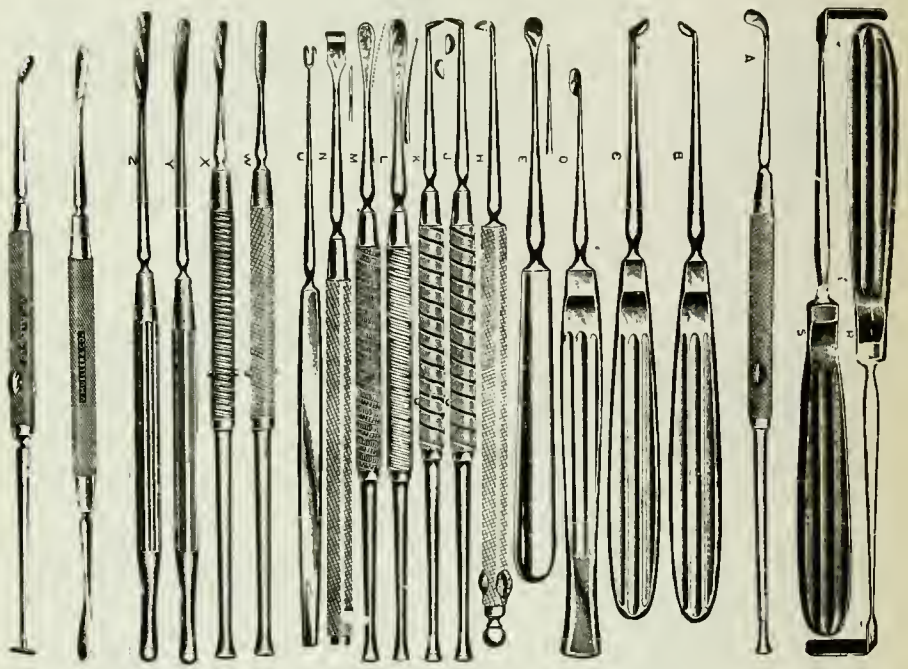


M-3440

SUBMUCOUS SPECULA—Continued

M-3405	Specula, Ostrom's, for use with head band	$6 00
M-3410	Specula, Good's modification of Killian's, self-retaining	1 75
M-3415	Specula, Foster-Ballenger's, with blades 4½ and 5½ cm. long, each	1 00
M-3420	Specula, Ray's, two sizes, each	1 25
M-3425	Specula, Yankauer's	1 85
M-3430	Specula, Mosher's, with two sets of blades	2 75
M-3435	Nasal clamp, submucous, Beck's	2 00
M-3440	Specula, Muncaster's	1 75

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3445 M-3455 M-3450



M-3460



M-3465



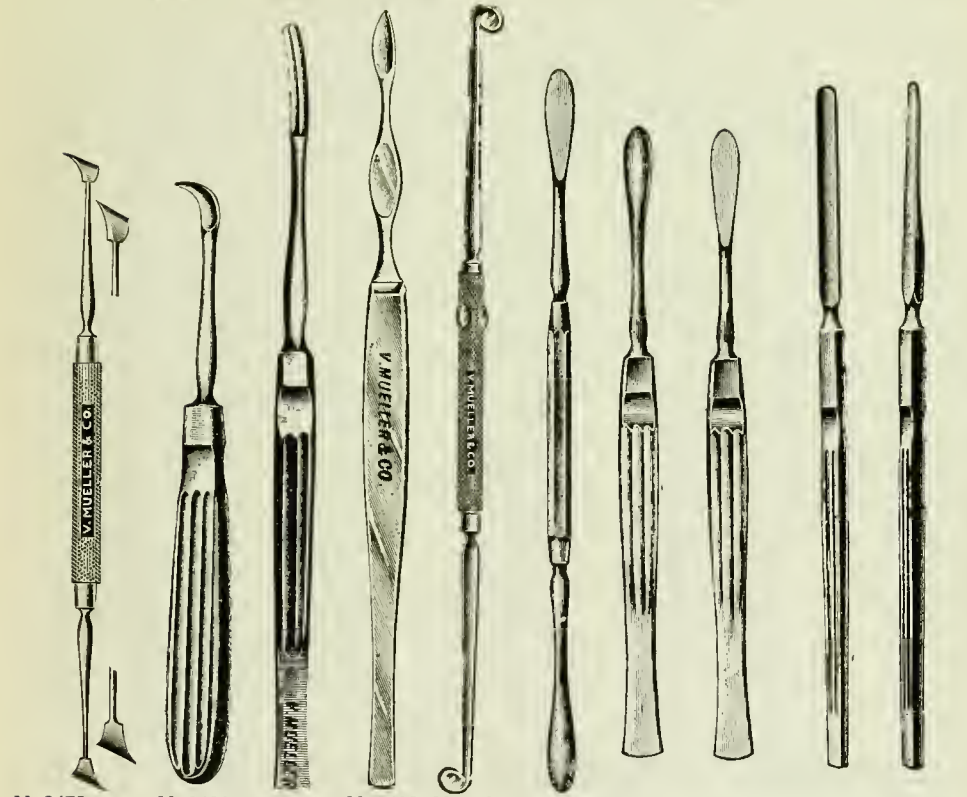
M-3470

SUBMUCOUS INSTRUMENTS

M-3445	Blunt dissector and hoe, Brown's, for removing debris	$1 50
M-3450	Blunt and sharp elevator, Freer's	1 75
M-3455	Submucous instruments, Freer's from A to Z with the exception of H, N and U, each	1 50
	Figures H, N and U, each	1 25
M-3460	Submucous knife and hoe, Beck's	2 00
M-3465	Elevator, sharp, bayonet form, Killian's, r. and l., each	1 75
M-3470	Submucous retractor, Freer's, long	1 65

All of our Freer's retractors are of the latest pattern, reinforced around the edges.

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3475 M-3480 M-3485 M-3490 M-3495 M-3500 M-3505 M-3510 M-3515 M-3520

M-3525

M-3530

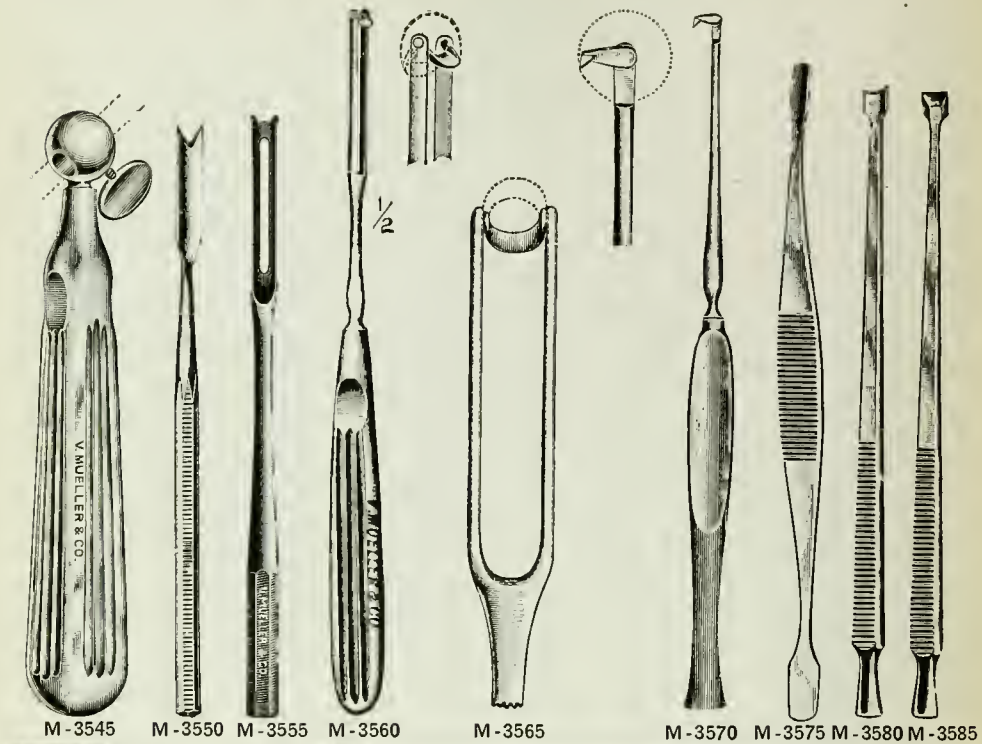
M-3535

M-3540

SUBMUCOUS INSTRUMENTS—Continued

M-3475	Periosteotome, Purcell's, right and left, on one handle	$2 00
M-3480	Septum knife, Allen's	1 50
M-3485	Septum knife, Seiler's, double edged	1 50
M-3490	Septum knife, Ballenger's	1 50
M-3495	Dissector, submucous, Pierce's, r. and l. on one handle	2 00
M-3500	Dissector, submucous, Hajek-Ballenger's, blunt and sharp on one handle	1 85
M-3505	and M3510 dissectors, Hajek's, blunt and sharp, each	1 50
M-3515	and M-3520 dissectors, Killian's, blunt and sharp, each	1 25
M-3525	Gauze packer and dissector, Beck's	1 25
M-3530	Periosteotome, Freer's	1 50
M-3535	Spatula, Beck's, used for applying cocainized strips of gauze for local anaesthesia	1 50
M-3540	Septum knife, Murray's	1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3545 M-3550 M-3555 M-3560 M-3565 M-3570 M-3575 M-3580 M-3585

M-3590

SUBMUCOUS INSTRUMENTS—Continued

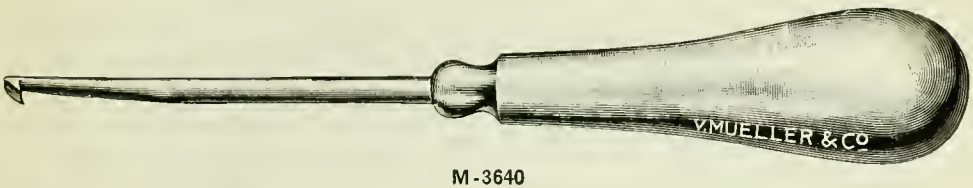
M-3545	Universal handle, for use with Hajek and Matzenbaum chisels	$1 50
M-3550	Septum chisel, Hajek's, V shaped	1 25
M-3555	Septum chisel, Metzenbaum's, fenestrated	2 50
M-3560	Swivel knife, Ballenger's, small and medium, each	2 50
	Swivel knives are made both straight and bayonet shape.	
M-3565	Swivel knife, Ballenger's, large for removing turbinates	3 00
M-3570	Swivel mucous flap knife, Ballenger's	3 75
M-3575	Dissector, submucous, Spratt's, double ended	1 75
M-3580	Gouge, submucous, Spratt's	1 75
M-3585	Chisel, submucous, Spratt's	1 75
M-3590	Septum bone drill, Brown's	5 50
M-3595	Needle, submucous, Killian's, for universal handle	1 25
M-3600	Blunt dissector, M-3605 sharp dissector, M-3610 short blunt dissector, (Killian's, for universal handle) each	90



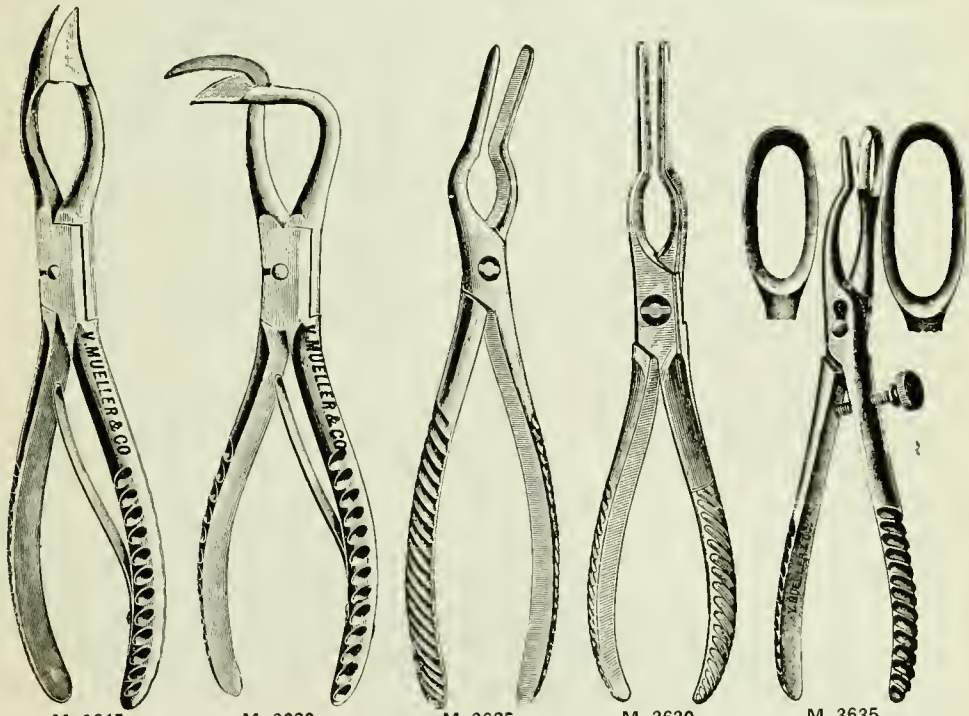
M-3595 M-3600



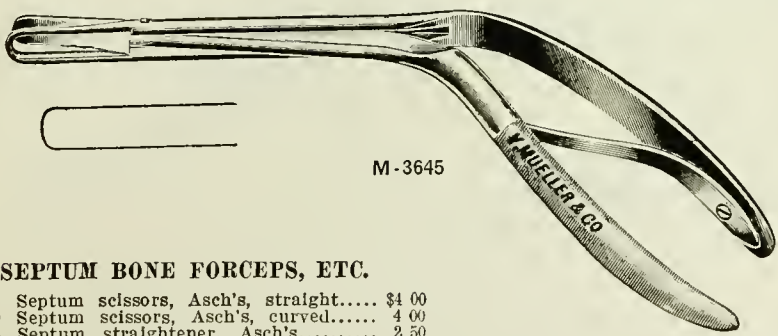
M-3605 M-3610



M-3640



M-3615 M-3620 M-3625 M-3630 M-3635

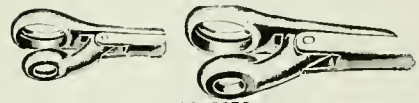


M-3645

SEPTUM BONE FORCEPS, ETC.

M-3615 Septum scissors, Asch's, straight..... $4 00
M-3620 Septum scissors, Asch's, curved..... 4 00
M-3625 Septum straightener, Asch's..... 2 50
M-3630 Septum straightener, Kyle's..... 3 50
M-3635 Septum forceps, Roe's, two sizes, each..... $5 00
M-3640 Reverse cutting chisel, Ballenger's..... 2 00
M-3640A Submucous spoke shave, Burrell's, (not Illustrated)..... 3 50
M-3645 Septum bone forceps, Ballenger-Foster's, latest model..... 8 00

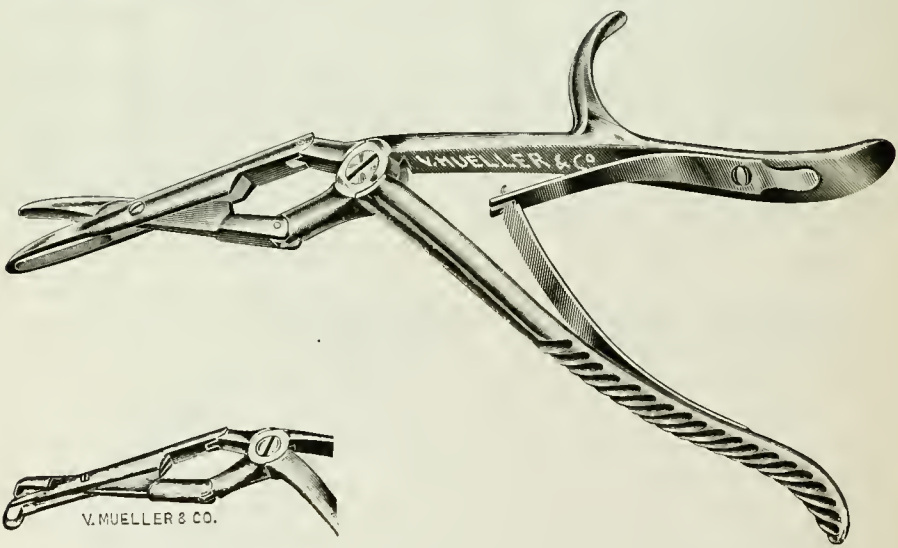
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3650

M-3655

M-3650



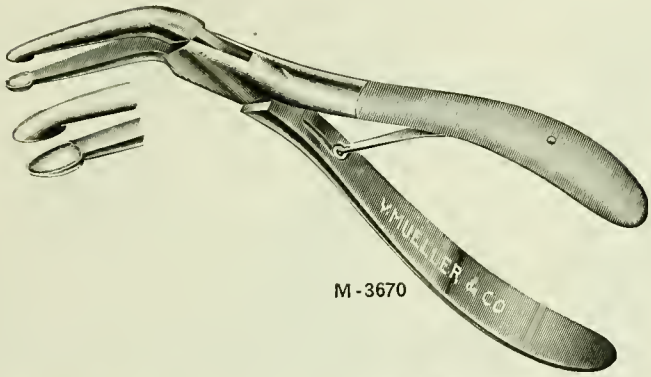
M3665

M-3660

SEPTUM BONE FORCEPS—Continued

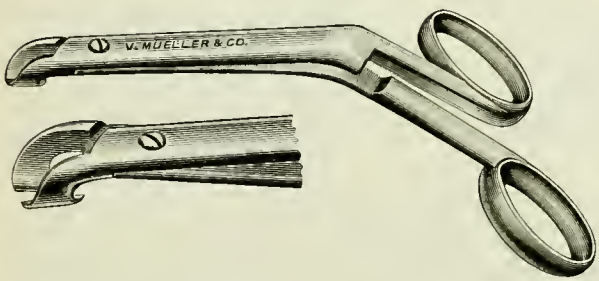
M-3650	Septum bone forceps, Freer's, made in two sizes, and r. and l., each	$10 00
M-3655	Septum bone forceps, Pynchon's with handles like figure M-3650, three patterns, vertical, r. and l., each	10 00
M-3660	Septum bone forceps, Jansen-Struychen's latest model	12 00
M-3665	Septal ridge forceps, Mial's, with handles like figure M-3650	13 50

Do not mutilate catalogue.—Specify section letter and number in ordering.

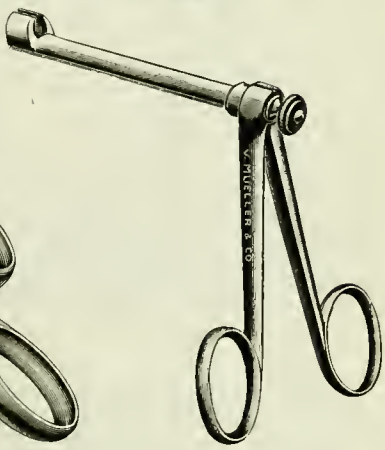


M-3670





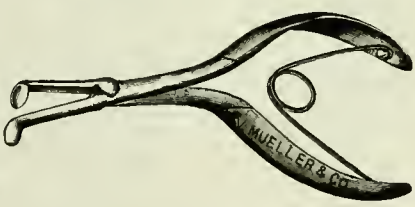
M-3675



M-3680



M-3685

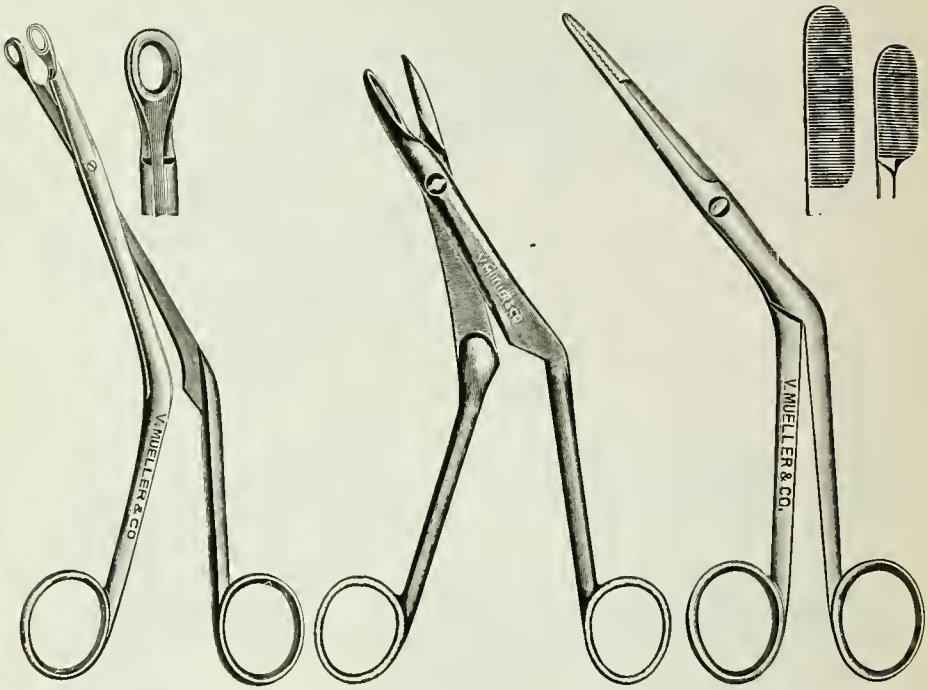


M-3690

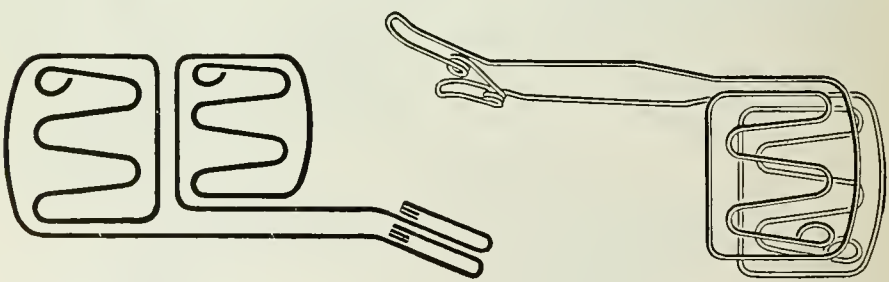
SEPTAL RIDGE FORCEPS

M-3670 Septal ridge forceps, Bryant's $5 00
This forceps is also one of the best mastoid forceps.
M-3675 Septal ridge forceps, Lutz's 5 00
M-3680 Septal ridge forceps, Hurd's, latest model, can be set in every direction..... 8 50
M-3685 Septal ridge forceps, McCoy's, straight..... 5 50
M-3690 Septal ridge forceps, McCoy's, curved 5 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3695 M-3700 M-3705

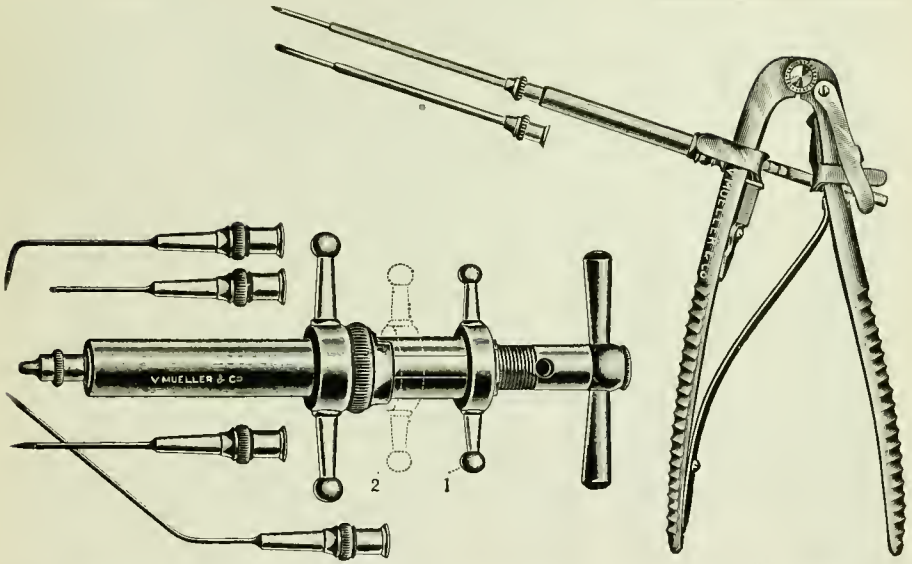


M-3710

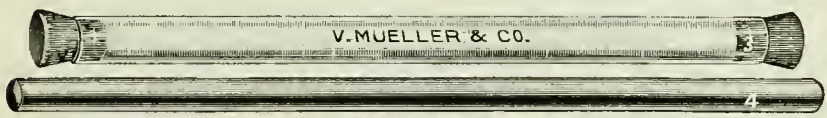
SEPTUM FORCEPS AND CLAMPS

M-3695	Septum forceps, Bruening's	$5 50
M-3700	Septum forceps, Hurd's	6 00
M-3705	Septum forceps, Killian's, made in two sizes, each	3 50
M-3710	Septum clamps, Bruening's, for pressing the mucous membrane against the septum after submucous operation, instead of using tampons or splints. Made in three sizes, large, long and short. One pair necessary. Pair	1 75

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3715 M-3725



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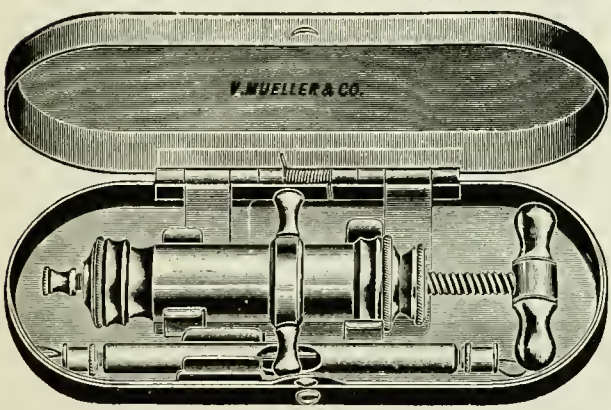


M-3730

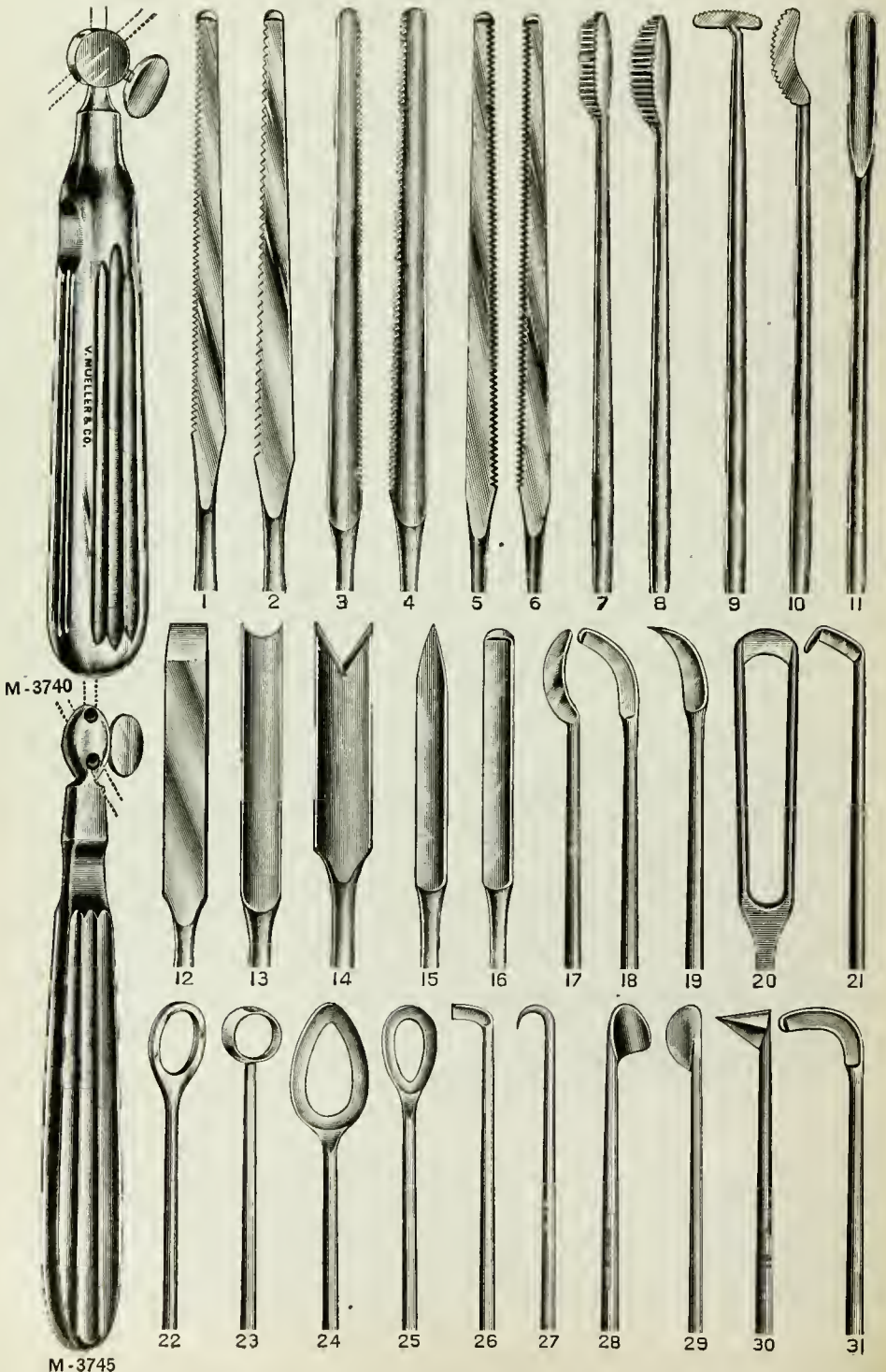


M-3735

PARAFFIN SYRINGES AND PARAFFIN

M-3715 Cold paraffin syringe, Beck-Mueller's, with four tubes of sterilized sealed Onodis' paraffin, in case $12 00
M-3720 Paraffin ready for use in the Beck-Mueller paraffin syringe, tube, $0 15; dozen.... 1 50
M-3725 Cold paraffin syringe, Brockaert's with six tubes of paraffin, in case..... 18 00
M-3730 Paraffin syringe, Harmon Smith's, 5 cc., $3 50; 10 cc..... 5 00
M-3735 Paraffin for use in the Harmon Smith's paraffin syringe, bottle..... 50

Do not mutilate catalogue.—Specify section letter and number in ordering.


M-3740
M-3745
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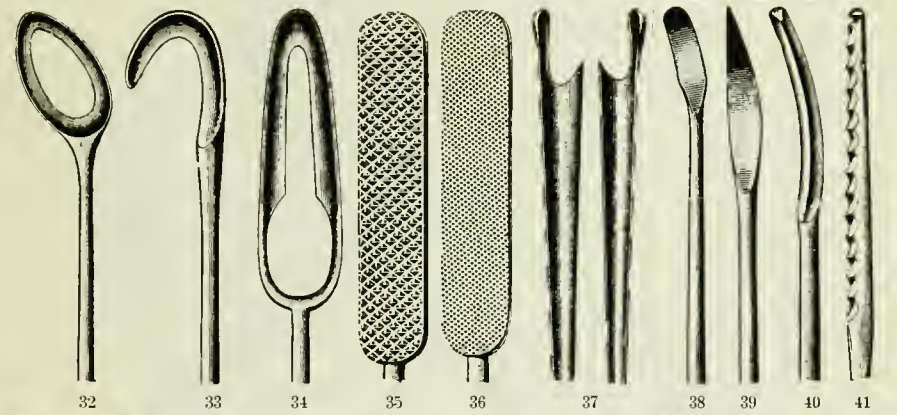
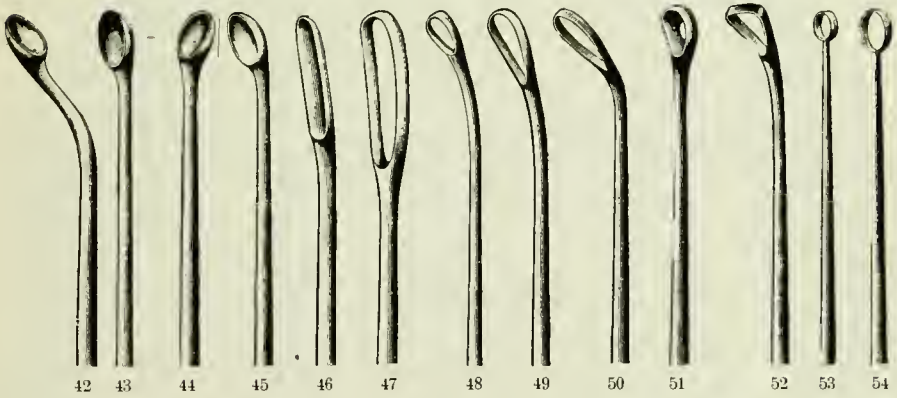


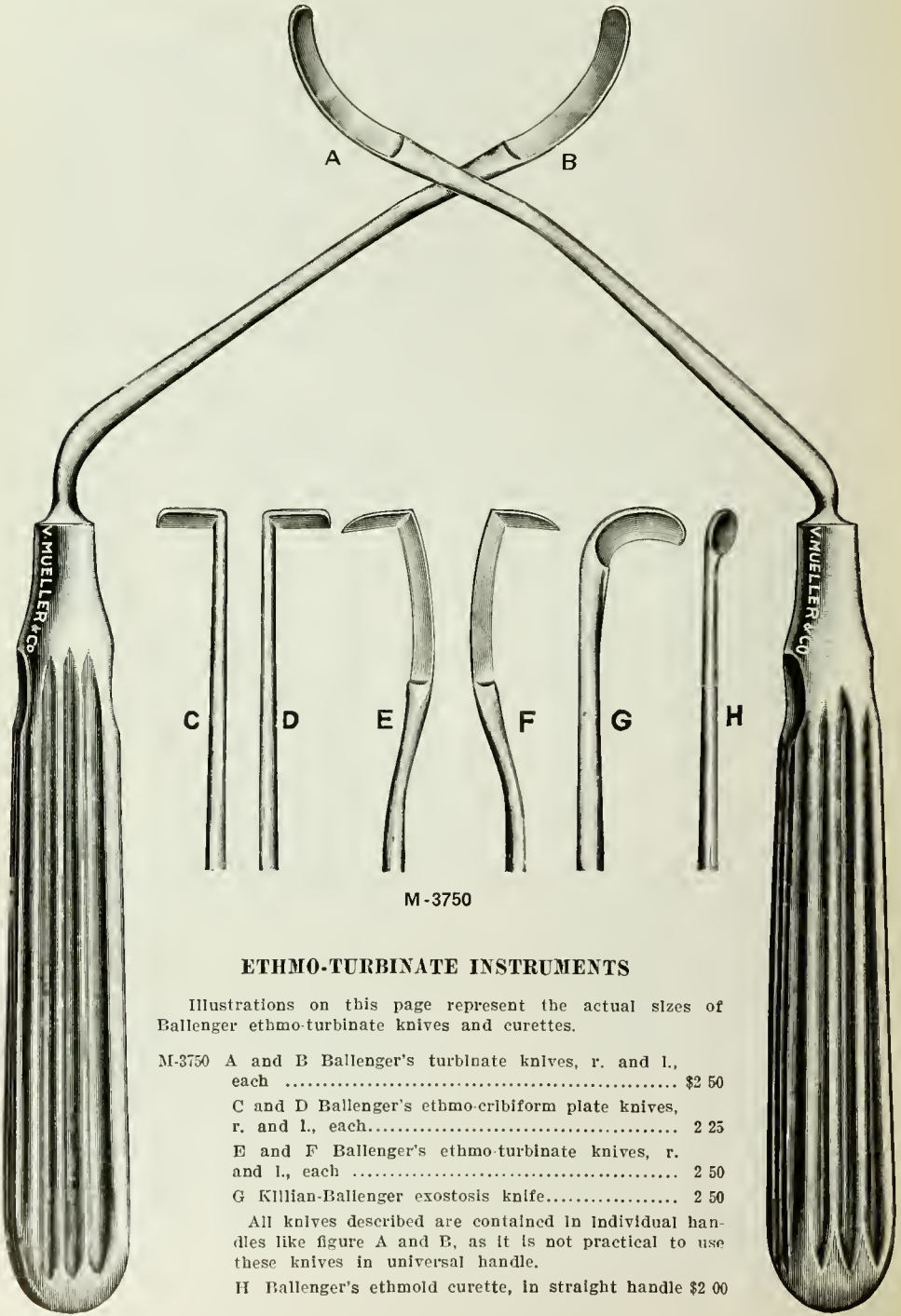


NASAL OPERATING INSTRUMENTS

M-3740 and M-3745 Universal Handles for Nasal Operating Instruments, large and small, each $1 50

No. 1 Nasal Saw, Bosworth's..... $0 85
No. 2 Nasal Saw, Curtis', cross cut.... 1 00
Nos. 3 and 4 Nasal Saws, Pynchon's, concave blades, each 1 00
Nos. 5 and 6 Nasal Saws, Hall's, beveled edges, r. and l., each..... 1 00
Nos. 7 and 8 Rasps, Fetteroff's, two sizes, each 1 10
Nos. 9 and 10 Septum Saws, Kyle's, vertical and horizontal, each..... 1 00
No. 11 Gouge, small, Bryant's..... 85
Nos. 12 and 13 Chisel and Gouge, plain, each 85
No. 14 Gouge, V shaped, Hajek's, two sizes, each 1 00
Nos. 15 and 16 Knives, sharp and blunt pointed, each 1 00
No. 17, Septum Knife, Kyle's..... 1 00
No. 18, Septum Knife, Barnes', full curved, blunt 1 10
No. 19, Septum Knife, Allen's..... 1 10
No. 20, Spoke Shaves, Nichols', two sizes, each 2 00
No. 21, Septum Knife, Douglas', hook shape 1 25
No. 22, Nasal Curette, Kyle's, blunt.... 1 00
No. 23, Nasal Curette, sharp..... 1 10
No. 24, Spoke Shave, Behren's, heart shape, two sizes, each..... 2 00
No. 25, Nasal Curette, sharp 1 50
Nos. 26 and 27 Hooks, Hajek's, flat sharp and sharp pointed, each..... 65
No. 28 Spoke Shaves, Schultz', r. and l., each 1 00
No. 29 Septum Knife, Ingal's..... 1 15
No. 30 Septum Knife, Douglas', spear shape 1 25
No. 31 Exostosis Knife, Killian's..... 1 25
No. 32 Spoke Shave, Freer's..... 2 00
No. 33 Spoke Shave, Major's..... 1 75
No. 34 Spoke Shave, Moure's..... 2 50
Nos. 35 and 36 Rasp and File, each.... 1 50
No. 37 Gouges, Woakes', each..... 1 75
Nos. 38 and 39 Septum Spud and Elevator, each 85
No. 40 Septum Knife, Seiler's, double edge 1 50
No. 41 Septum Saw, Fuld's, wave edge 1 25
Nos. 42 to 54 Nasal and Sinus Curettes, each 1 25

Any of the above instruments supplied in plain octagonal handle at the additional cost of $0 40.



M-3750

ETHMO-TURBINATE INSTRUMENTS

Illustrations on this page represent the actual sizes of Ballenger ethmo-turbinate knives and curettes.

M-3750 A and B Ballenger's turbinate knives, r. and l., each $2 50

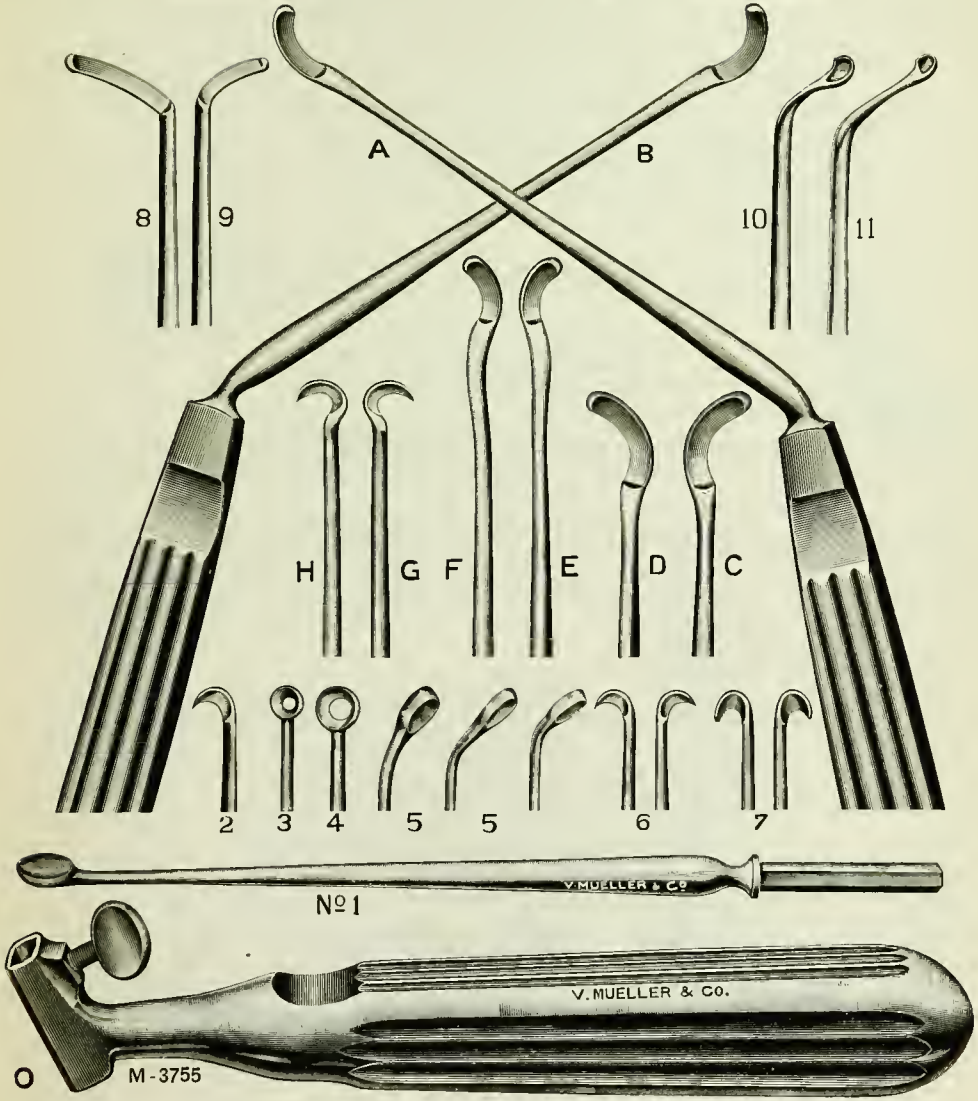
C and D Ballenger's ethmo-cribiform plate knives, r. and l., each..... 2 25

E and F Ballenger's ethmo-turbinate knives, r. and l., each 2 50

G Killian-Ballenger exostosis knife..... 2 50

All knives described are contained in individual handles like figure A and B, as it is not practical to use these knives in universal handle.

H Ballenger's ethmold curette, in straight handle $2 00



FISH'S SINUS INSTRUMENTS

M-3755 Universal Handle with square hole which allows instruments to be set solid in any direction $1 50

Nos. 1, 3 and 4 Cutting Curettes, each..... 1 75

No. 2 Universal Hook Knife 1 75

No. 5 Ethmoidal Curettes, different sizes and lengths, each..... 1 75

No. 6 Knives for opening Etbmoidal labyrinth. The flat upper surface prevents perforating the roof of the nostril, each..... 1 75

No. 7 knives for enlarging sphenoidal meatus, r. and l., each..... 1 75

Nos. 8, 9, 10 and 11 Knives and Curettes, for removing postero-median wall of fronto-nasal canal, the mucous membrane on anterior wall remaining intact, and opening frontal sinus intranasally, each..... 1 75

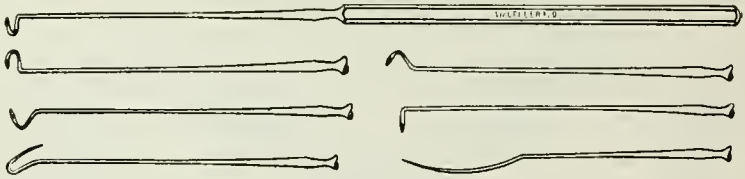
All instruments described from No. 1 to 11 are made to fit in universal handle.

Figures A, B, C and D Knives, for amputating middle turbinol intact, two curves, r. and l., each..... 2 25

Figures E and F Knives, for making oval window in sphenoidal sinus, downward cut, r. and l., each 2 25

Figures G and H Knives, large size, for opening ethmoidal labyrinth, r. and l., each 2 25

Knives from A to H are in individual stationary handles as it is not practical to use these knives in universal handle.



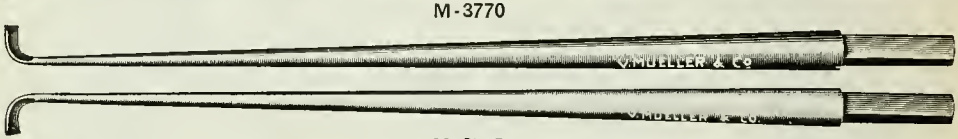
M-3760



M-3765



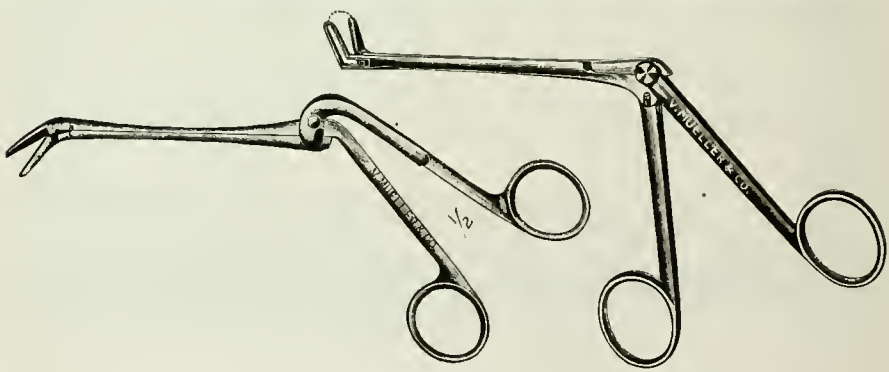
M-3770



M-3775



M-3785

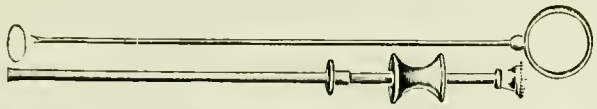


M-3790 M-3795

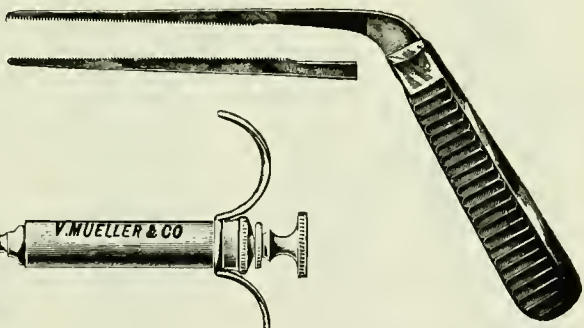
TURBINOTOMY INSTRUMENTS

M-3760	Turbinotomy suture needles, Yankauer's, seven different patterns, each	$1 75
M-3765	Turbinate chisel, Stein's	2 50
M-3770	Turbinate chisel, Andrew's	1 75
M-3775	Turbinate knives, right and left, Sluder's, with square shanks for Universal handle, figure M-3755, each	1 50
M-3780	Turbinate knife, Sluder's, universal, not illustrated, each	1 50
M-3785	Turbinate knives, Dean's, right and left, each	1 50
M-3790	Turbinate scissor, Watson's, cutting downward	11 50
M-3795	Turbinate forceps, Dabney's, cutting upward	6 50

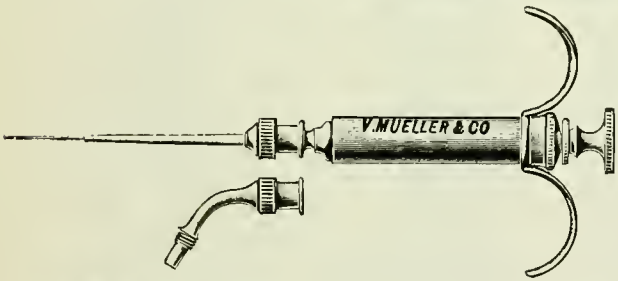
Do not mutilate catalogue.—Specify section letter and number in ordering.



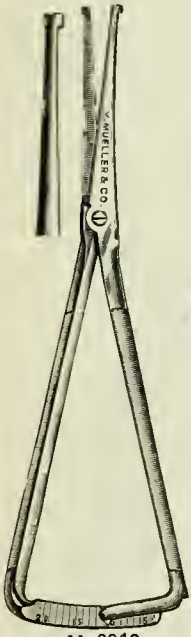
M-3795



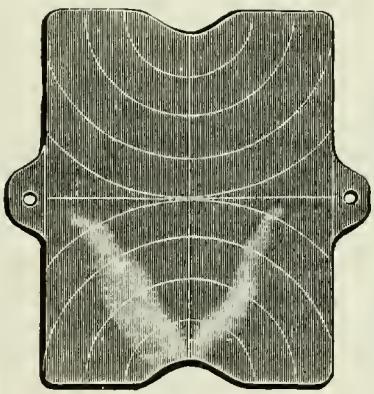
M-3800



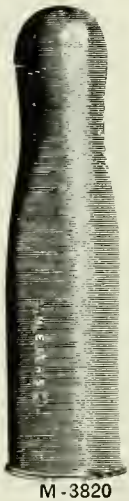
M-3805



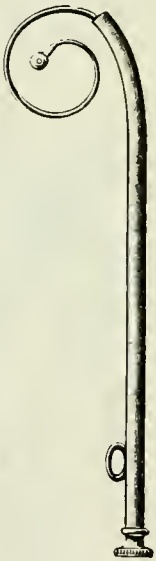
M-3810



M-3815



M-3820

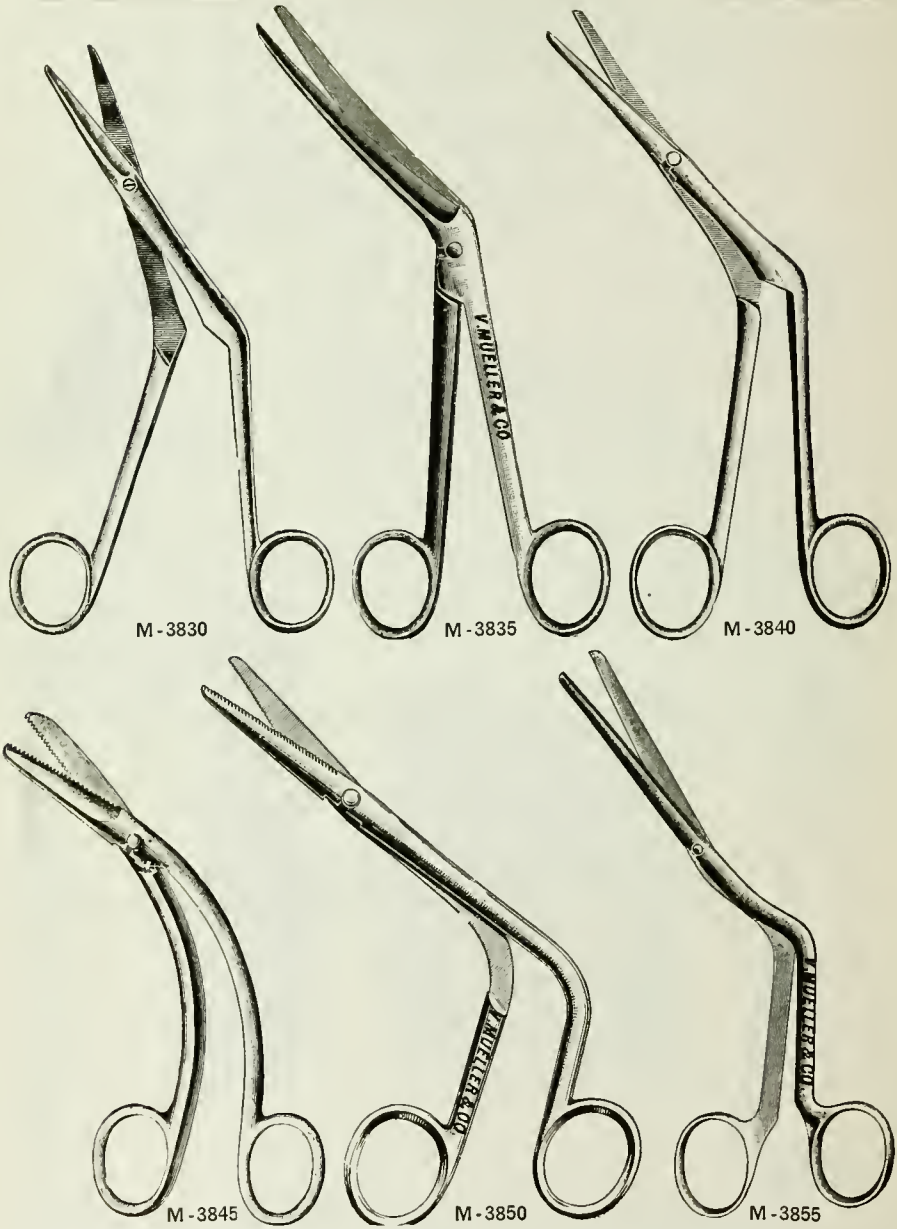


M-3825

DIAGNOSTIC AND OTHER NASAL INSTRUMENTS

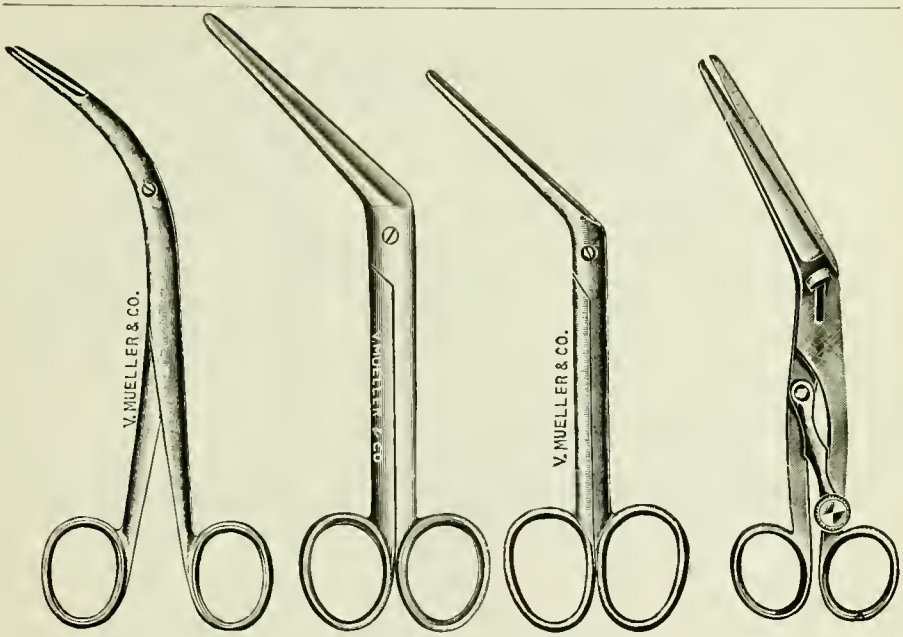
M-3795	Nasal packer, Casselberry's	$1 50
M-3800	Nasal saw, Bosworth's, up and down, each	1 25
M-3805	Syringe for anaesthetising the nose, Newman's complete in case	5 00
M-3810	Septometer, Dean's, new model	4 50
M-3815	Nasal mirror, made of highly polished metal, used for the purpose of indicating the amount of obstruction in the nasal air passages by exhalation, Geatzel's	3 00
M-3820	Rubber cots, Casselberry's, each	15
M-3825	Canulae, Beloque's	1 00

Do not mutilate catalogue.—Specify section letter and number in ordering.

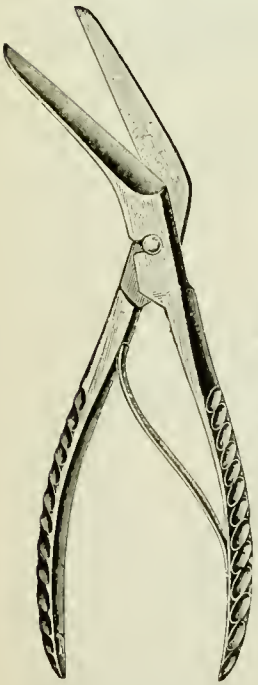


NASAL SCISSORS

M-3830	Nasal scissors, Knight's improved, with screw lock and saw teeth on lower blade	$2 00
M-3835	Nasal scissors, Beckmann's for upper turbanites	2 00
M-3835A	Nasal scissors, Beckmann's with saw teeth on lower blade	2 25
M-3840	Nasal scissors, Knight's original pattern	1 75
M-3845	Nasal scissors, Casselberry's, with saw teeth	2 00
M-3850	Nasal scissors, Potter's	2 00
M-3855	Nasal scissors, Ingal's	1 75



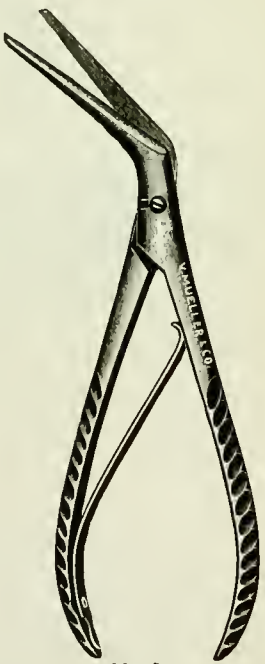
M-3860 M-3865 M-3870 M-3875



M-3880

NASAL SCISSORS AND TURBINOTOMES

M-3860	Middle turbinate scissors, Beckmann's, new pattern	$2 50
M-3865	Nasal scissors, Seiler's, heavy	1 75
M-3870	Nasal scissors, Seiler's, light pattern	1 75
M-3875	Turbinate scissors, Mueller's, (Vienna)	5 25
M-3880	Turbinotome, Hertzfeldt's	3 50
M-3885	Turbinotome, Jackson's	3 75



M-3885

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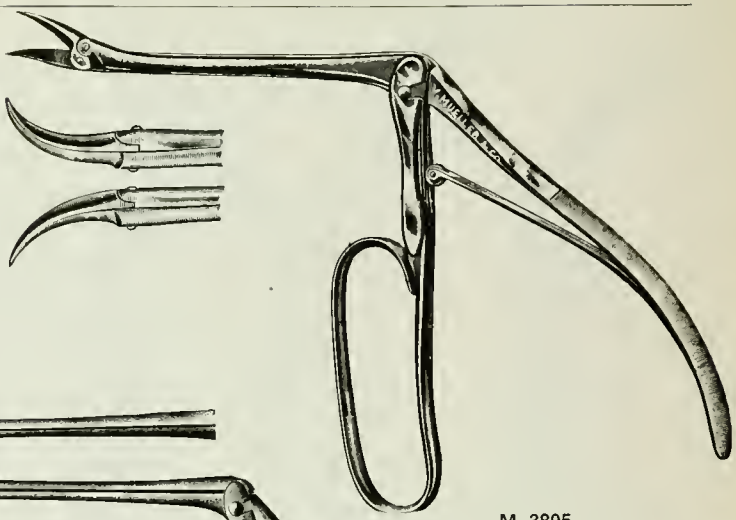
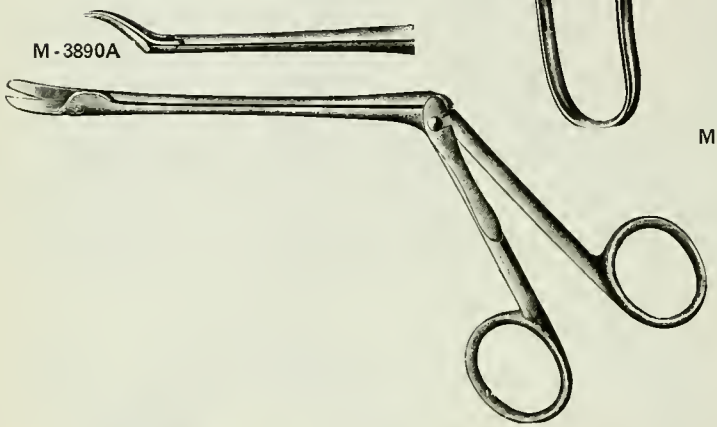
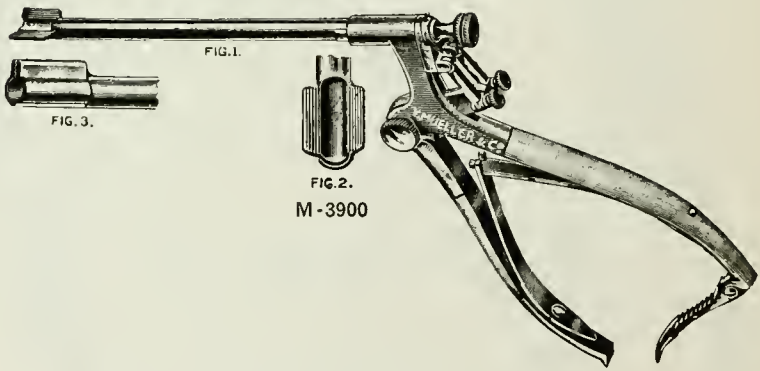


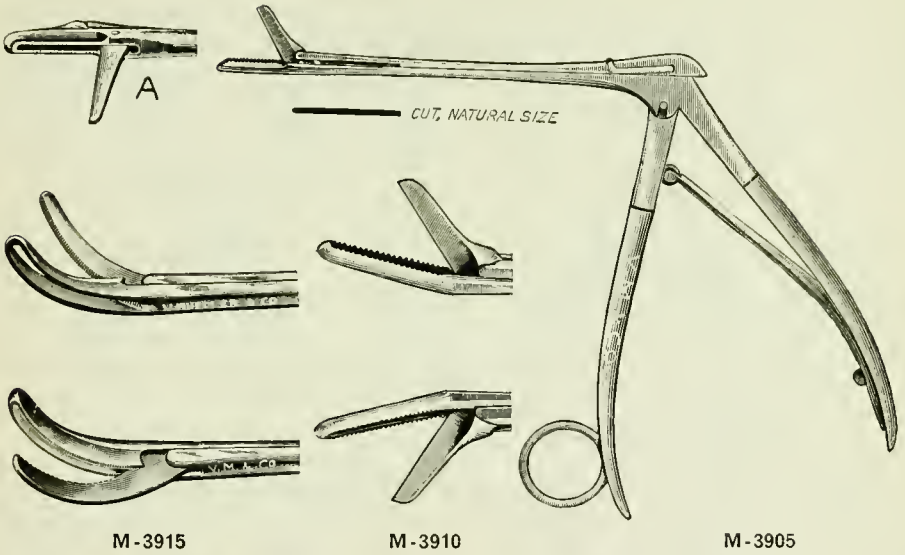




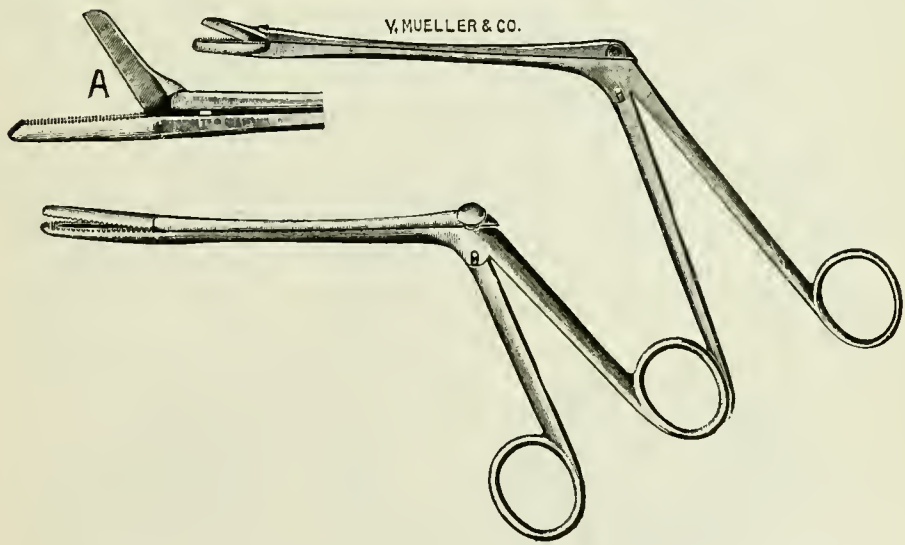
NASAL TURBINATE SCISSORS AND ANGIOTRIBE

M-3890	Nasal scissors, alligator, Holmes', made in three patterns, straight, right and left, original pattern with ring handle, each	$3 25
M-3890A	Nasal scissors, alligator, Bulette's, cutting upward	3 25
M-3895	Nasal scissors, alligator, Holmes', made in three patterns, straight, right and left, improved pattern, each	3 25
M-3900	Concho-Anglotribe, Beck's, for crushing the lower edge of the turbinates to prevent hemorrhage after operation	17 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3915 M-3910 M-3905

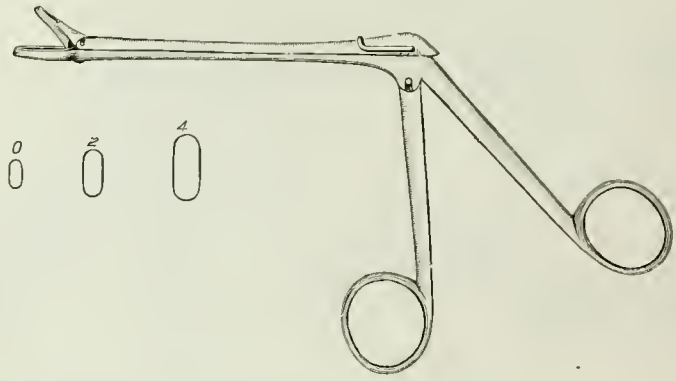


M-3925 M-3920

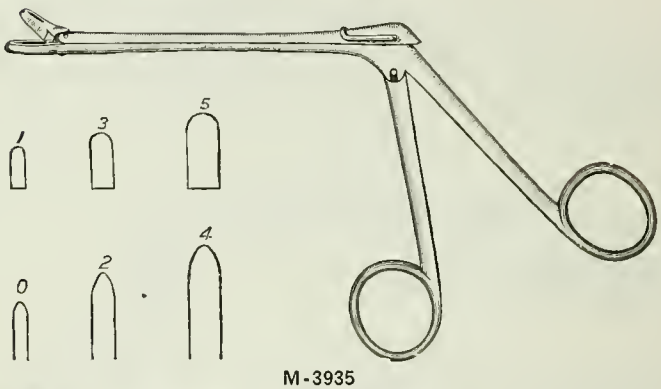
NASAL CUTTING FORCEPS

M-3905	Alligator cutting forceps, Van Struycken's, especially well adapted for removing turbinates, vertical	$8 50
M-3905A	Alligator cutting forceps, modified by Abraham, cutting sideways, right and left, each	8 50
M-3910	Alligator cutting forceps, two patterns bent at right or left angle, vertical, each	9 00
M-3915	Alligator cutting forceps, cutting sideways, and curved upwards, right or left, each	9 50
M-3920	Alligator cutting forceps, Van Struycken's with ring handle, vertical	8 50
M-3925	Alligator forceps, with serrated jaws, heavy for turbinate work	3 75

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3930



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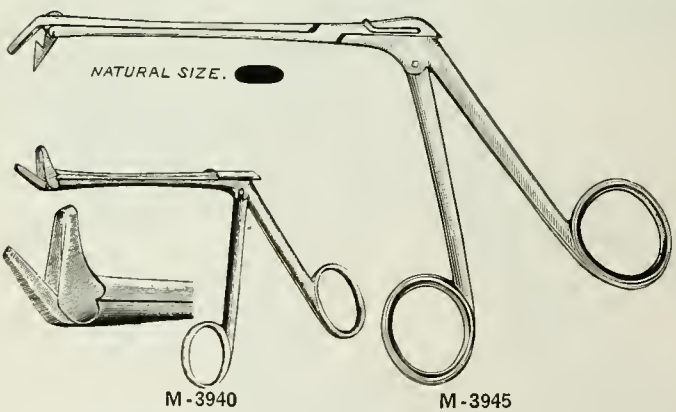
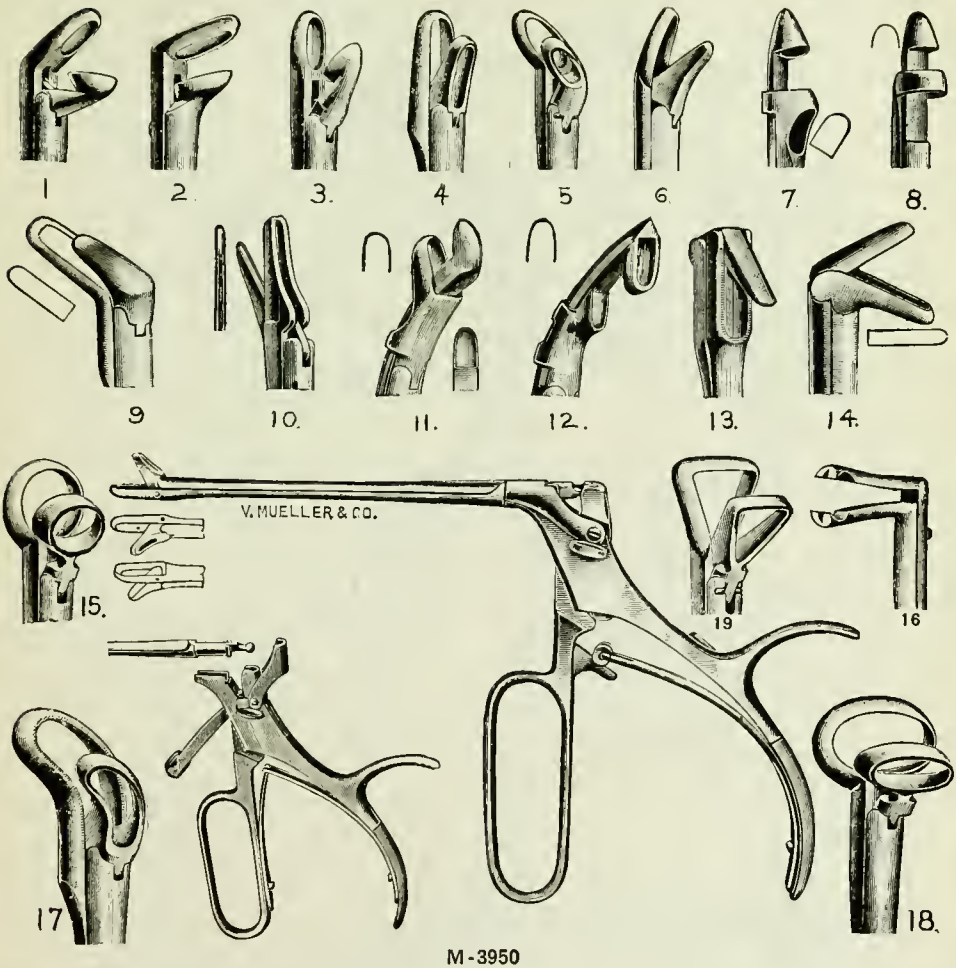


M-3940 M-3945

NASAL CUTTING FORCEPS—Continued

M-3930	Alligator cutting forceps, Bryant's, made in three sizes, each	$7 50
M-3935	Alligator cutting forceps, Miles', figure 1, 3 and 5, each	7 00
M-3935A	Alligator cutting forceps, Gruenwald's latest pattern, figure 0, 2 and 4, each	7 50
M-3940	Alligator cutting forceps, Roe's improved	7 50
M-3945	Alligator cutting forceps, Gruenwald's, two patterns, up and down, fenestrated blades, each	8 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3950

NASAL AND TONSIL PUNCHES FOR UNIVERSAL HANDLE

M-3950 Universal handle for nasal and tonsil punches. This handle is so designed that the blades can be held in four different positions. Blades can be attached or detached from the handle in a moment's time. Handle only, without blade $6 00

Cutting forceps, Gruenwald's, figure 1, cutting up or down, three sizes, each 5 50

Cutting forceps, Gruenwald's, ethmoid, figure 2 ..... 6 00

Cutting forceps, Gruenwald, figure 3, three sizes, each 4 75

Cutting forceps, Myles', figure 4, three sizes, each 4 75

Cutting forceps, Gruenwald-Kuemmel's, figure 5, right or left, each 6 25

Cutting forceps, Lermoyez's, figure 6.. 5 00

Ethmoid and sphenoid punch, Schmithuisen's, figure 7 ..... 7 25

Sphenoid punch, Ostrom's 5 75

Nasal cutting forceps, Myles', figure 9, bent right or left, each $6 75

Nasal cutting forceps, Struycken-Mueller, figure 10 ..... 5 00

Antrum punch, Wagener's, figure 11, cutting forward 9 00

Antrum punch, Wagener's, figure 12, cutting backwards 9 00

Antrum punch, Ostrom's, figure 13, cutting backwards 6 50

Nasal cutting forceps, Fry's, figure 14.. 5 50

Tonsil punch, Hartmann's, figure 15, three sizes, each 5 00

Applicator for Michael Suture Clips after tonsil operation, figure 16 ..... 3 50

Tonsil punch, Myles', figure 17, right or left, each 7 50

straight 6 50

Tonsil punch, Hartmann's, figure 18, oval 6 00

Tonsil punch, Hartmann's, figure 19, triangular shape 6 00

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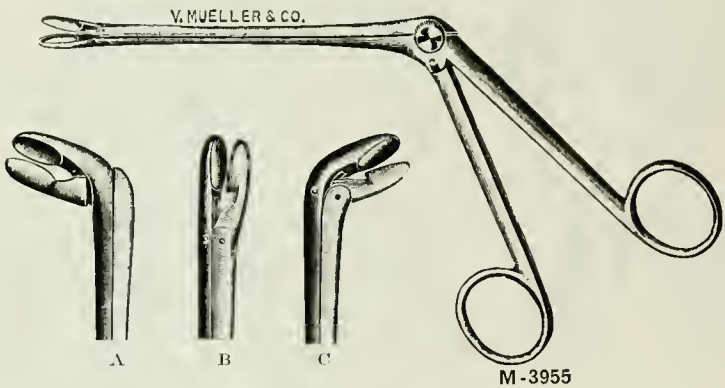
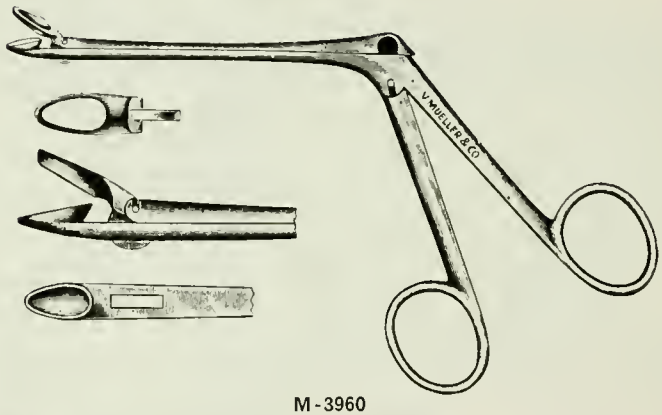


M-3955



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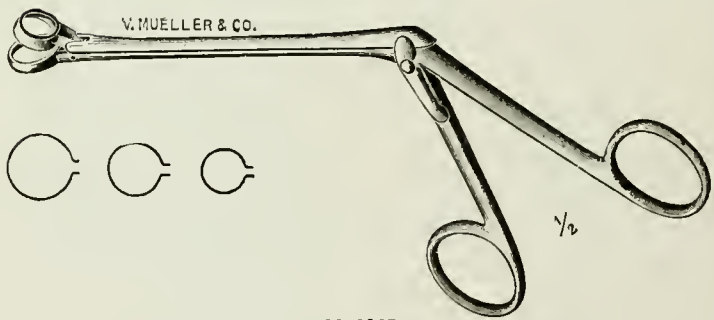
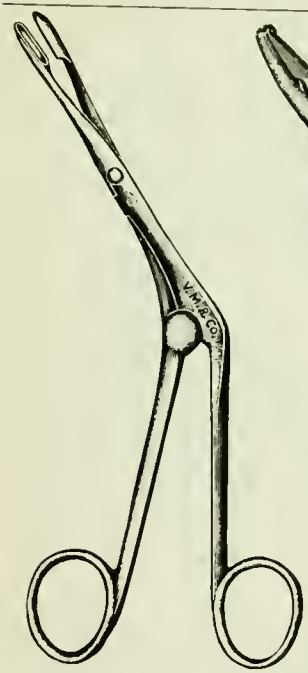


M-3965

NASAL CUTTING FORCEPS—Continued

M-3955 Alligator cutting forceps, Gruenwald's, original pattern, straight, up and down, each $7 50
M-3960 Alligator cutting forceps, Hartmann's, upper blade fenestrated..... 7 50
M-3965 Alligator cutting forceps, round fenestrated, three sizes, each..... 8 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



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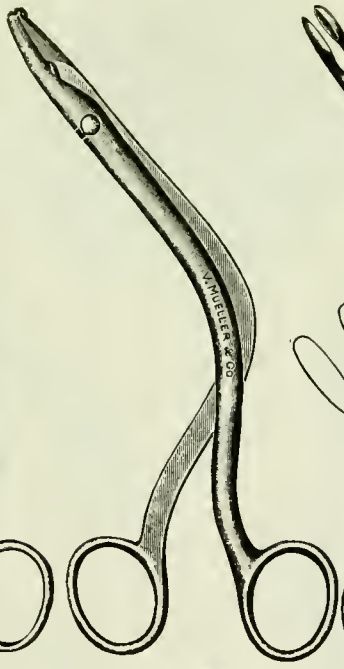

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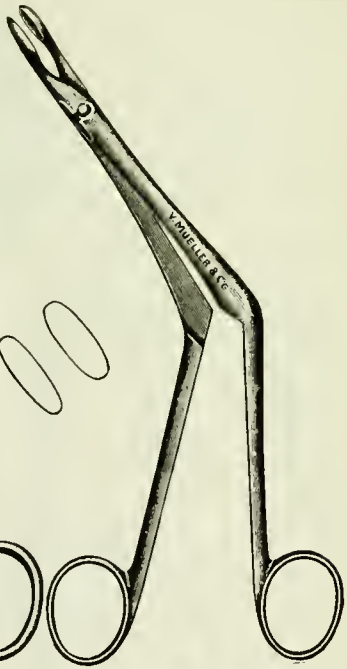

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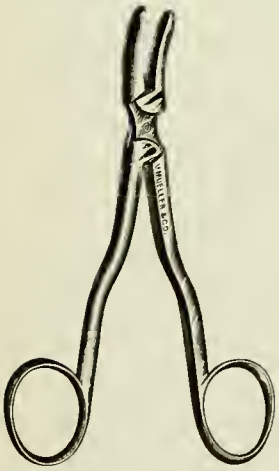

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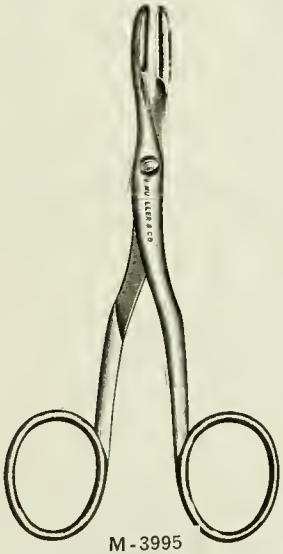

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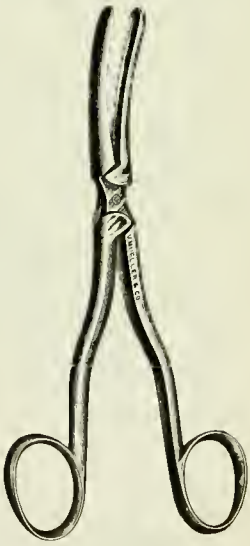
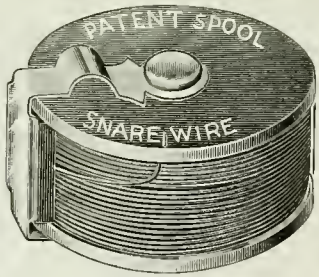


M-3990

NASAL CUTTING FORCEPS—Continued

M-3970	Nasal cutting forceps, Knight's	$1 75
M-3975	Nasal cutting forceps, Pynchon's	3 75
M-3980	Nasal cutting forceps, Heymann's, two sizes	2 50
M-3985	Nasal cutting forceps, bridge and middle turbinate, Prince's	3 50
M-3990	Nasal cutting forceps, polypus and inferior turbinate	4 00
M-3995	Nasal cutting forceps, for turbinates, Weir's	2 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



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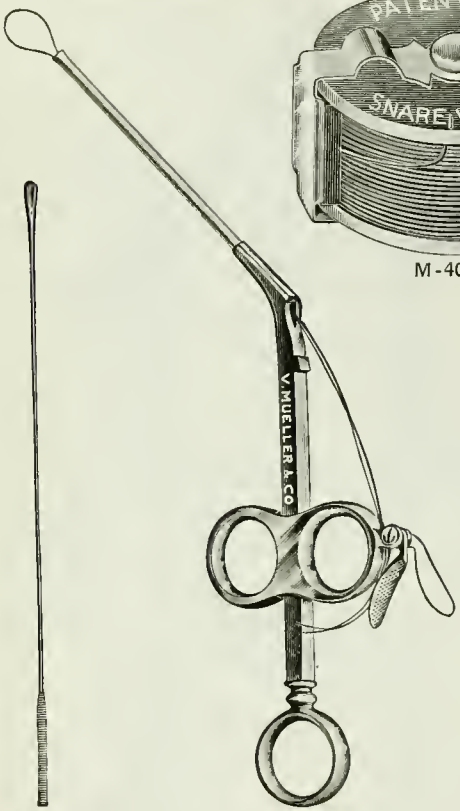
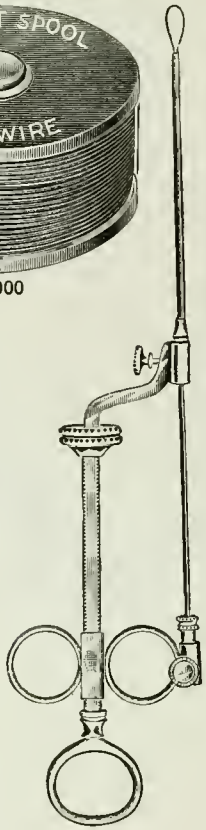


M-4025A M-4010



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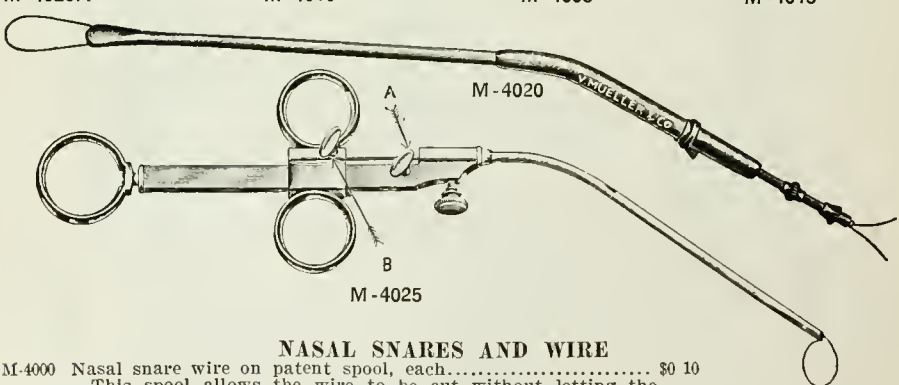
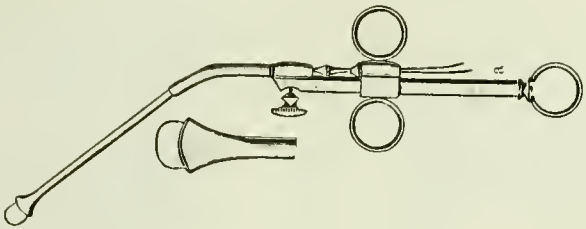


M-4025

NASAL SNARES AND WIRE

M-4000	Nasal snare wire on patent spool, each..... This spool allows the wire to be cut without letting the remaining wire to become unraveled.	$0 10
M-4005	Nasal snare, Martin's Improved	$3 75
M-4010	Nasal snare, Szymanski's, with eccentric lever for holding wire, made entirely of steel, no loose screws, no part can be lost.....	4 50
M-4015	Nasal snares, Ingals', made entirely of steel with five canulae.....	6 00
M-4020	Nasal snare tube, with automatically reforming loop fitting Krause handle.....	3 25
M-4025	Nasal snare, Krause's wire carrier and wire.....	3 50
M-4025A	Wire carriers with serrated ends, for Krause's snares.....	40

Do not mutilate catalogue.—Specify section letter and number in ordering.



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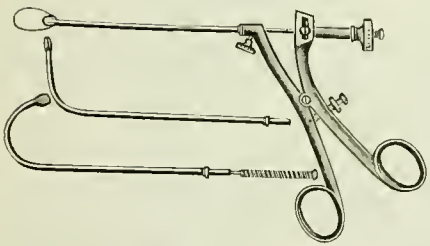

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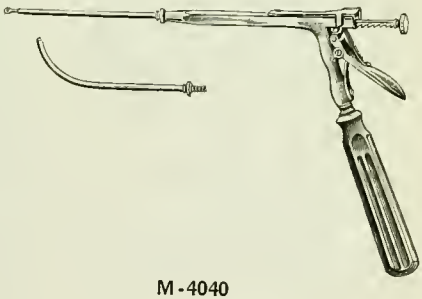

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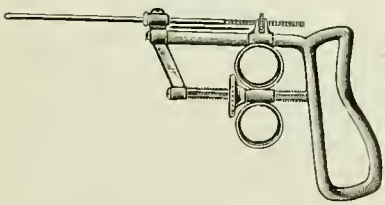

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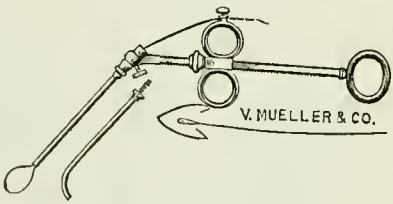

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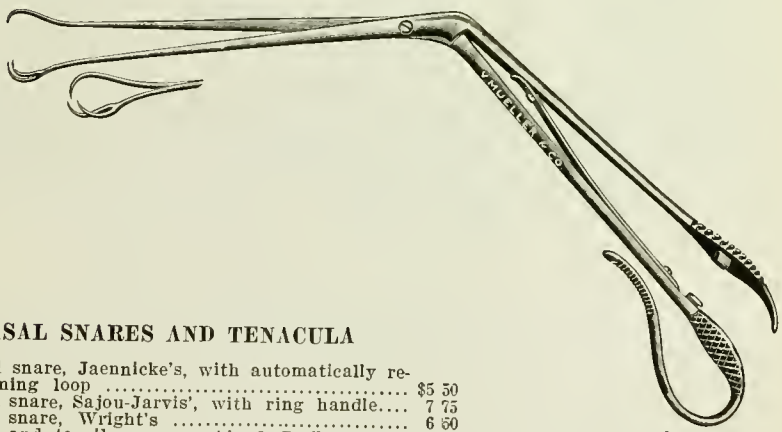


M-4055

NASAL SNARES AND TENACULA

M-4030 Nasal snare, Jaennicke's, with automatically reforming loop $5 50

M-4035 Nasal snare, Sajou-Jarvis', with ring handle.... 7 75

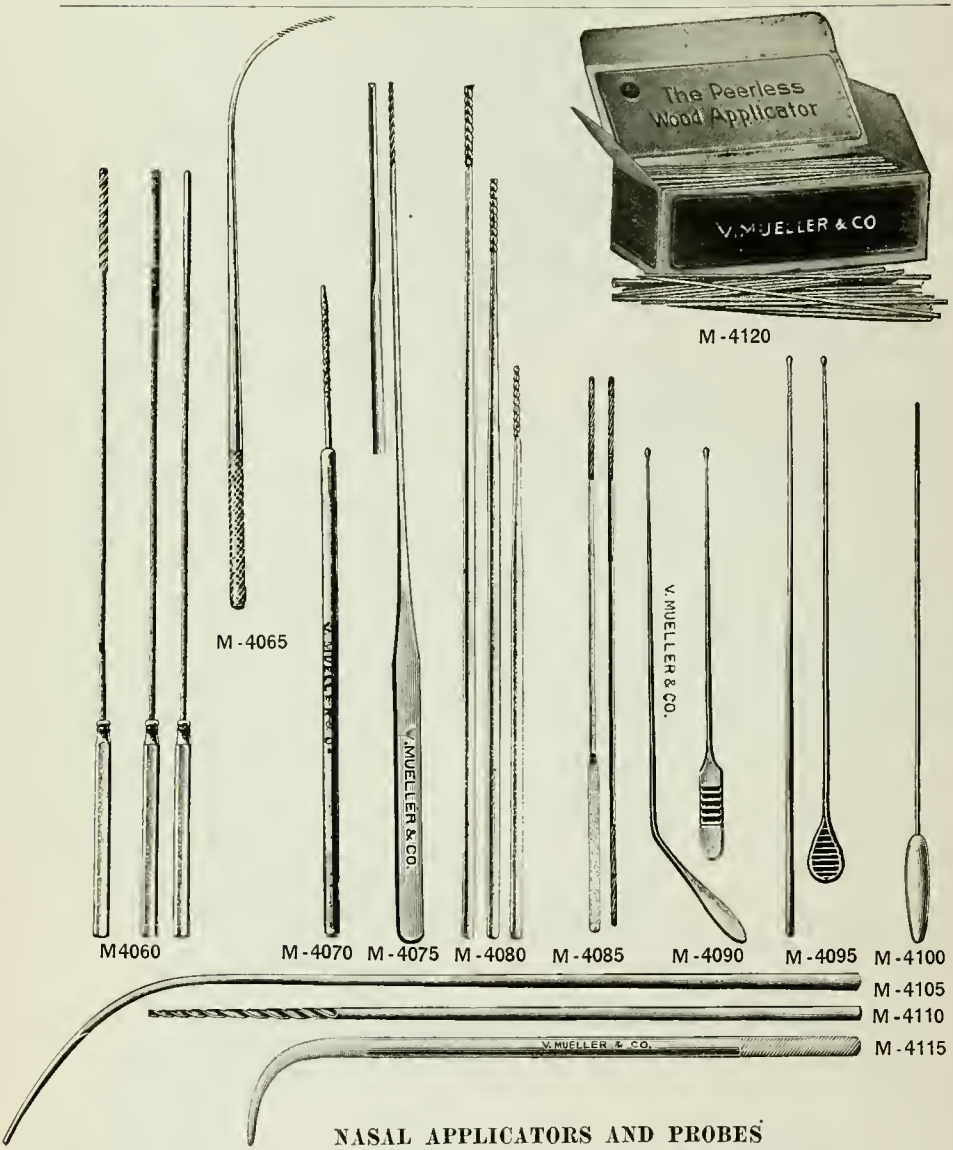
M-4040 Nasal snare, Wright's 6 50

M-4045 Nasal and tonsil snare combined, Duffee's..... 5 00

M-4050 Nasal snare, Bosworth's improved, with wire carrier, $1 75; original model.....$1 35

M-4055 Tenacula forceps, Moraweck's, very delicate, for grasping small portions of the tonsil or polypus in the nose, and parts of the turbinate when they are removed by means of a snare 3 50

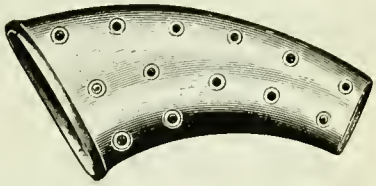
Do not mutilate catalogue.—Specify section letter and number in ordering.



NASAL APPLICATORS AND PROBES

M-4060	Nasal applicators, three patterns, serrated, twisted or triangular, each	$0 10
M-4065	Nasal applicator, Kyle's, conical, twisted end	25
M-4070	Nasal applicator, Prince's	25
M-4075	Nasal applicator, Good's, flat handle, made of pure copper, twisted or tri-angular end, 5-, 7-, and 9-inch, each	35
M-4080	Nasal applicator, Andrew's, made of aluminum, three sizes, one dozen, $1 00; each	10
M-4085	Nasal applicators, aluminum, dozen, $0 50; each	05
M-4090	Nasal probes, two patterns, made of silver, each	60
	Made of copper, each	50
M-4095	Nasal applicator with probe end, each	40
	Nasal probe with flat handle, each	50
M-4100	Nasal and ear applicators, Dean's, German silver, each	20
M-4105	Nasal and throat applicator, Dean's, triangular end, soft copper	35
M-4110	Nasal applicator, Hollinger's, aluminum	25
M-4115	Post nasal applicator, Pynchon's, aluminum	25
M-4120	Nasal applicators, made of wood, box of 72 dozen	30


M-4125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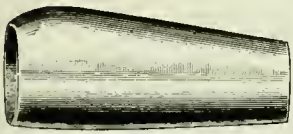
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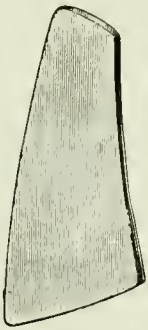
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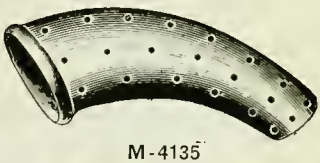
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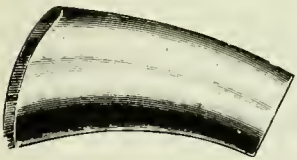
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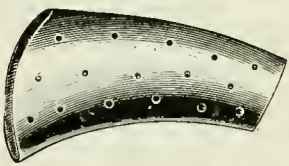
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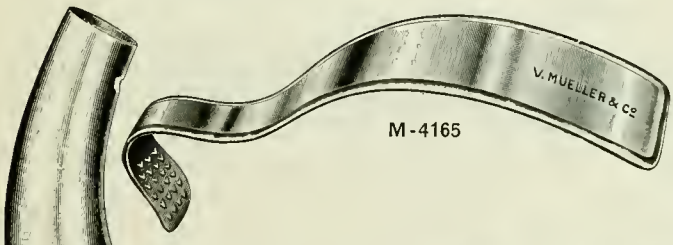

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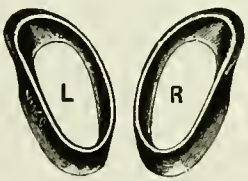
M-4150


M-4170


M-4175



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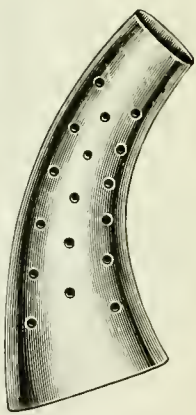
M-4160

NASAL SPLINTS AND DILATORS

M-4125	Nasal splint, McKernon's, hard rubber, 6 sizes, each	$0 90
M-4130	Nasal splint, Mayer's, hard rubber, 5 sizes, each	50
M-4135	Nasal splint, Asch's, hard rubber, 5 sizes, each	50
M-4140	Nasal splints, Farrell's, metal, 6 sizes, each	60
M-4145	Nasal splints, Kyle's, metal, not perforated, 5 sizes, each	50
M-4150	Nasal splints, Kyle's, metal, extra long, 5 sizes, each	60
M-4155	Nasal splints, Kyle's, perforated, metal, 5 sizes, each	50
M-4160	Nasal splints, Kyle's, extra long, perforated, metal, 5 sizes, each	60
M-4165	Nasal splints, for deviation of the nose, Andrew's	65
M-4165A	Sponges, Bernay's, 48 in box, $0 90. Bernay-Good's, larger size, 25 in box	40
M-4170	Nasal dilators, Francis, silver, three sizes, each	65
M-4175	Nasal dilator, Feldbausch, three sizes, each	50
M-4180	Nasal dilator, Smithhuisen's, celluloid, flesh color, three sizes, set of two	1 75

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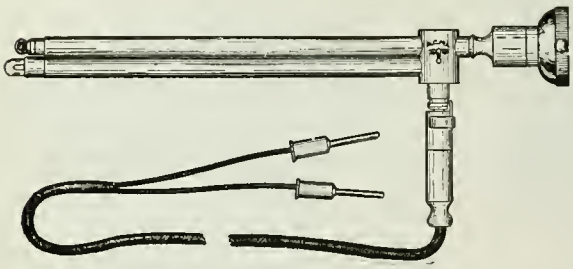

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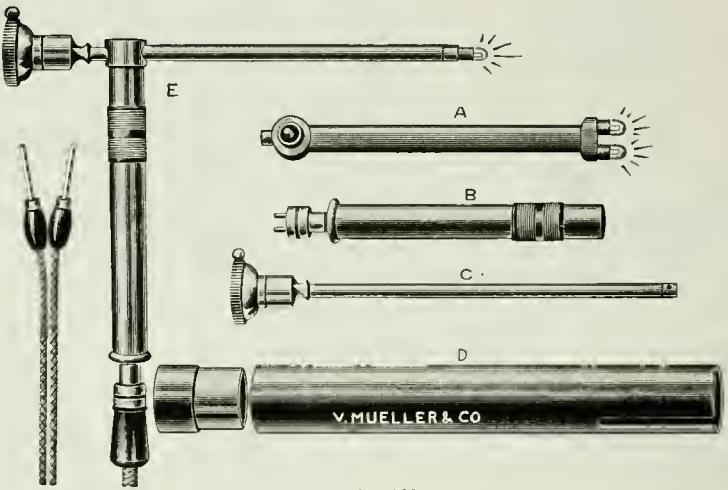
M-4195



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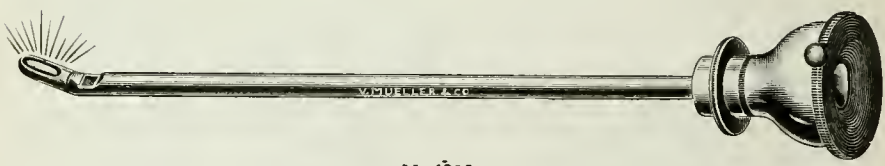

M-4200

PHARYNGO-LARYNGOSCOPES

M-4185 Pharyngo-Laryngoscope, Beck's, with one extra lamp and cord in case.....$20 00
M-4190 Pharyngoscope, Hays', with cords, and two extra lamps in case..... 30 00

The pharyngoscopes were designed to aid the general practitioner and the nose and throat specialist in the examination of the posterior nares, eustachian tubes and pharyngeal vault. With these instruments, the entire vault can be examined without causing the most sensitive patient any discomfort.

M-4195 Direct naso-pharyngeal speculа, Yankauer's, for the examination of the naso-pharynx $4 00
M-4200 Salpingoscope, Hirschmann-Valentine's, complete with conducting cord and extra lamp in case 32 00

This instrument is intended for the examination of the antrum highmori, ethmoid, nasal and pharyngeal cavities, and the larynx. The lamps used are Tungsten filament or cold lamps.

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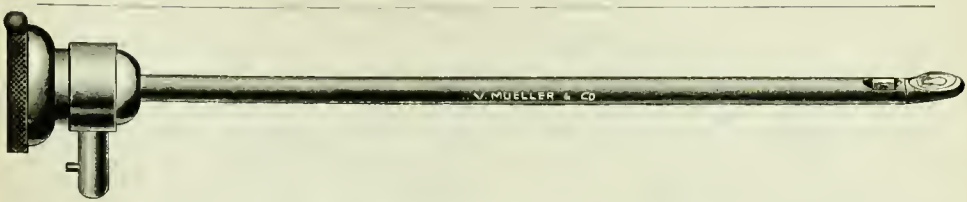
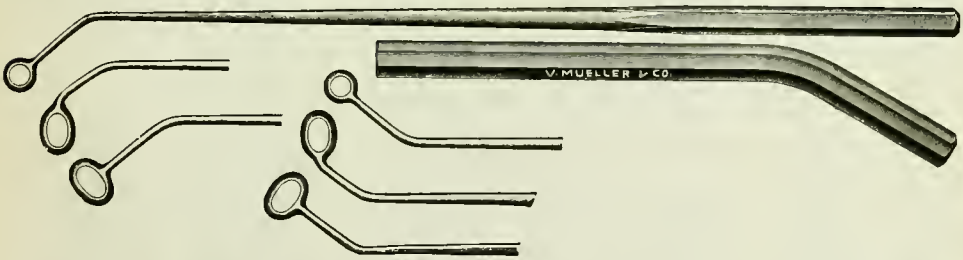


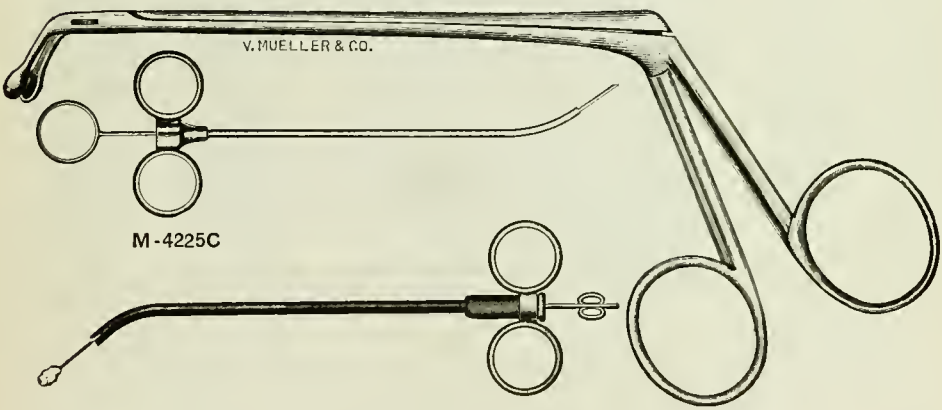
M-4225



M-4225A



M-4225B



M-4225C

M-4225D

M-4225E

NASO-PHARYNGOSCOPE AND ACCESSORIES

M-4225 Naso-Pharyngoscope, Holmes', with cord handle, 2 extra lamps, net.....$38 00

With this instrument it is possible to show the openings of the eustachian tube, the fossae of Rosenmueller and to diagnose positively the exact condition surrounding the posterior nares and post-nasal passage. The operator is enabled to treat or operate on the affected parts as the pharyngoscope is introduced through one nostril and the operating instruments through the other. Send for descriptive circular and direction for use.

M-4225ABCD Set of operating instruments, consisting of cocaine injection syringe, metal canulae and applicator, hard rubber canulae and applicator, six different shaped curettes and handle, net.....$10 00

M-4225E Naso-Pharyngeal cutting forceps, Holmes, net 8 00

M-4225F Extra lamps, each net, $1 50; old lamps renewed, each net..... 75

M-4225G Eustachian probes and applicators, Holmes', each net..... 20

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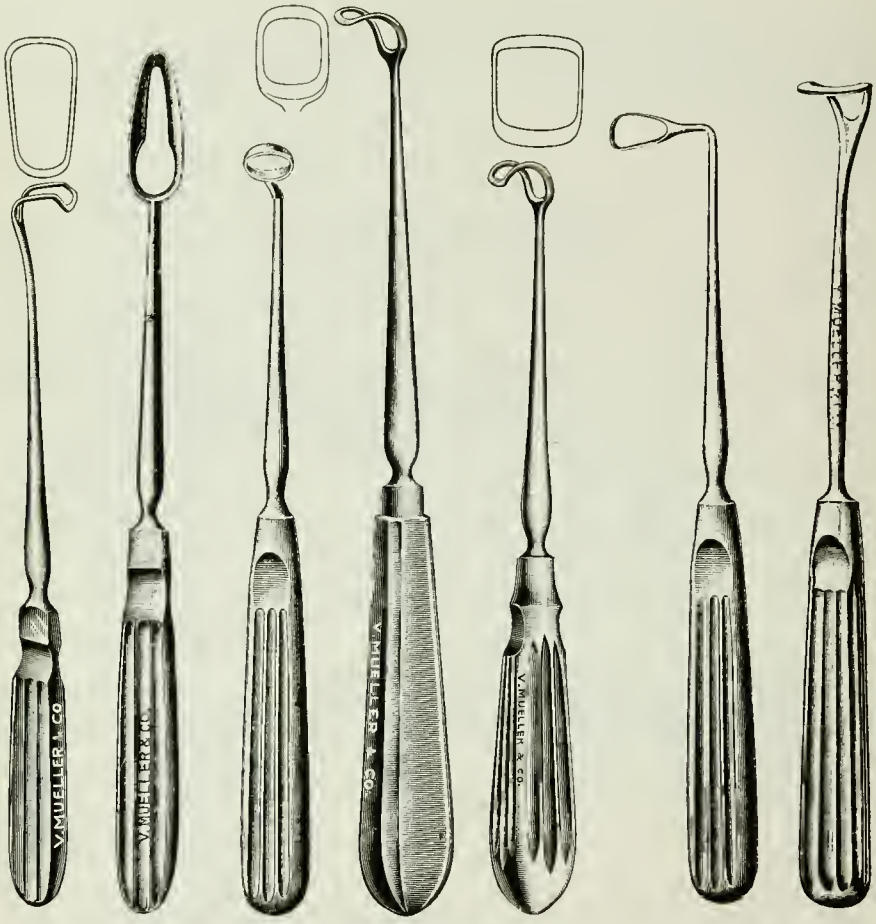

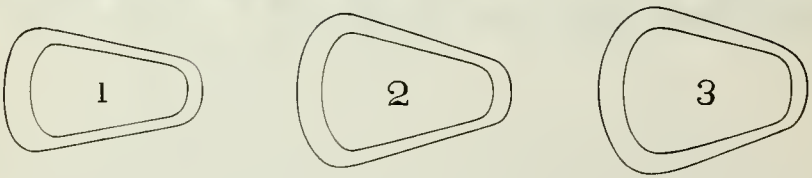

M-4255A

ADENOID CURETTES

M-4225	Adenoid curette, Boston's, for operating on babies from 1 month to 1 year of age	$2 50
M-4230	Spoke shave, Moure's	3 00
M-4235	Ring knife, Maier's	2 50
M-4240	Adenoid curette, for infants, Vogel's	2 50
M-4245	Adenoid curette, children's, Ingersoll's	2 50
M-4250	Post nasal curette, Krause's, two sizes, each	2 75
M-4255	Adenoid curettes, Gottstein's, three sizes, each	1 75
M-4255A	Figures 1, 2 and 3, illustrating actual sizes of Gottstein's curettes.	

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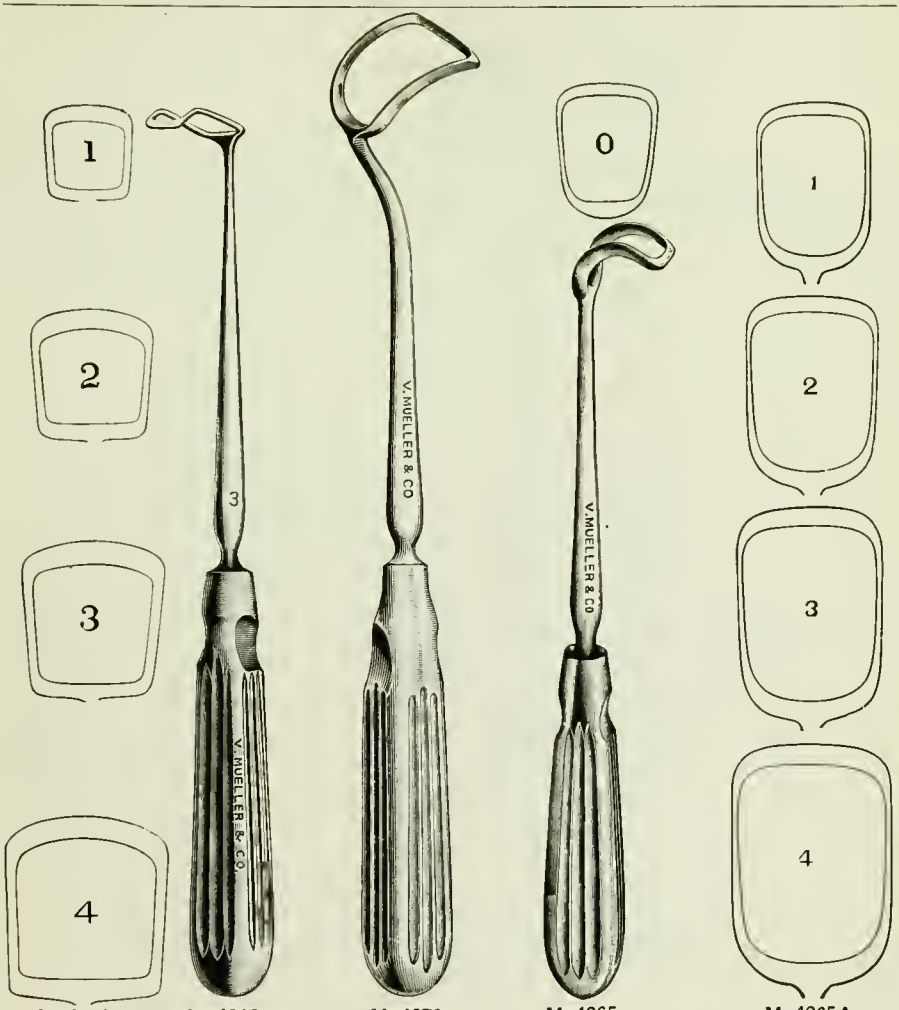

ADENOID CURETTES—Continued

M-4260	Adenoid curette, Beckmann's original model, made in four sizes, each	$2 35
M-4260A	Figure 1, 2, 3 and 4, illustrating actual sizes of Beckmann's curette.	
M-4265	Adenoid curette, Barnhill's, made in five sizes, each	2 50
M-4265A	Figures 0, 1, 2, 3 and 4, illustrating actual sizes of Barnhill's curettes.	
M-4270	Adenoid curette, Stubb's, made in four sizes, each	3 00
M-4270A	Figures 0, 1, 2 and 3, illustrating actual sizes of Stubb's curettes.	

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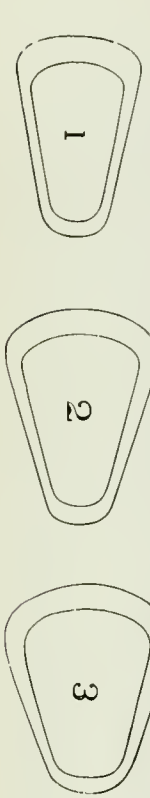
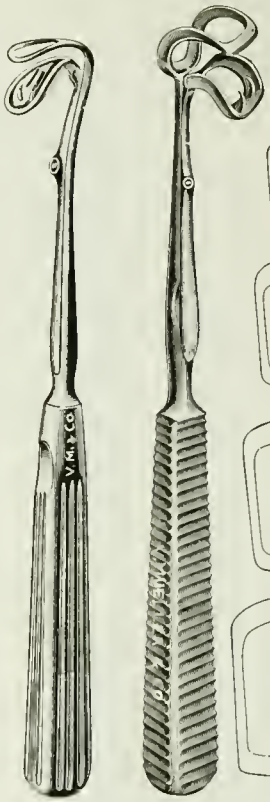
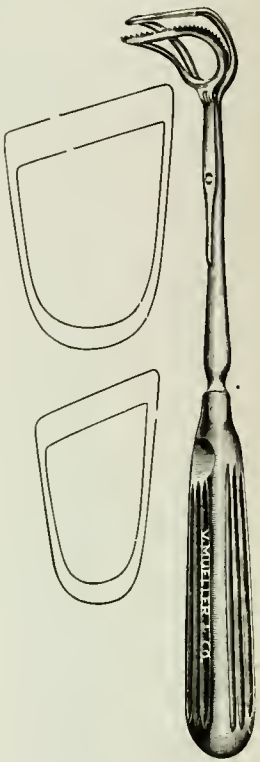


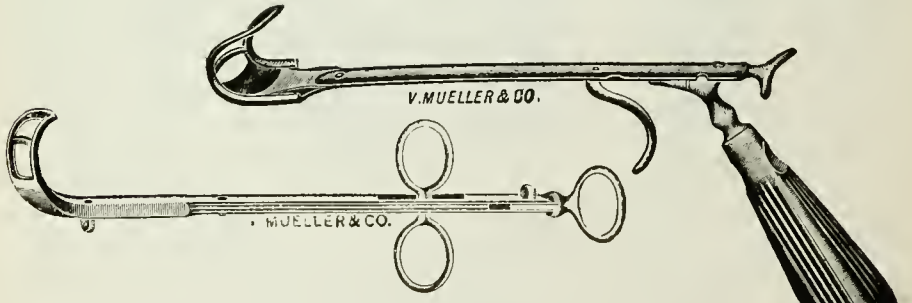


M-4275

M-4285



M-4280

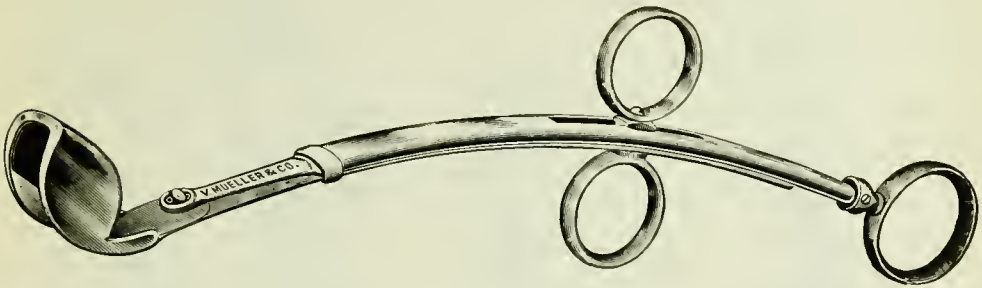


M-4290 M-4295

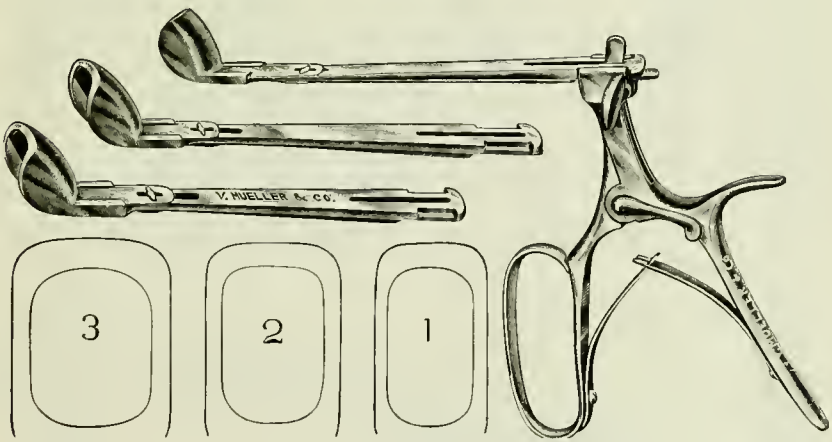
ADENOTOMES

M-4275 Adenotome, Delstanche's, made in three sizes, each..... $4 50
Figure 1, 2 and 3, illustrating actual sizes.
M-4280 Adenotome, Todd's, made in two sizes, cutting right and left, each..... 6 50
M-4285 Adenotome, St. Clair Thompson's, made in four sizes, each..... 5 50
Figures 1, 2, 3 and 4 illustrating actual sizes.
M-4290 Adenotome, Schuetz's, made in three sizes, with one extra blade, each..... 12.00
M-4295 Adenotome, Graedle's, with one extra blade..... 13 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4300



M-4305

LA FORCE ADENOTOMES

The illustrations on this page represent the LaForce adenotome. Figure M-4300 shows the instrument with individual handle, of which three sizes are made. Figure M-4305 represents the adenotome with the Universal handle and this also is kept in stock in three sizes. The instruments are inter-changeable and the change can be quickly accomplished.

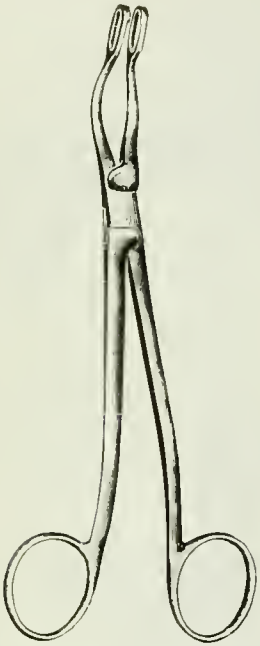
The operation for the removal of adenoids is made very simple and safe with this instrument, provided the proper size is used in each individual case. The danger of the excised tissue being lodged in the larynx, being swallowed or pushed into the nares is prevented, as the excised growth is retained within the box of the instrument.

The illustration represents the correct shape as now used by Dr. LaForce and many of the foremost specialists. Figures 1, 2 and 3, show the actual sizes.

M-4300 LaForce adenotome, made in three sizes with one extra blade, each..... $10 00

M-4305 LaForce adenotome, with Universal handle and three inter-changeable instruments, of different sizes, with one extra blade for each, complete..... 25 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4310



M-4315



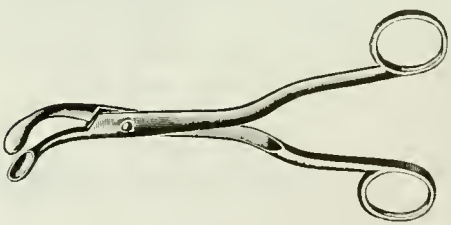
M-4320



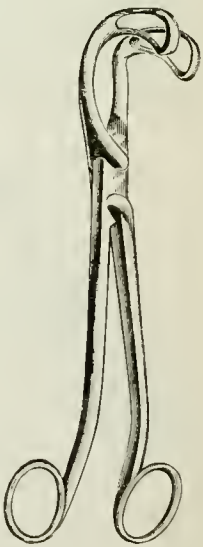
M-4325



M-4340



M-4330



M-4335

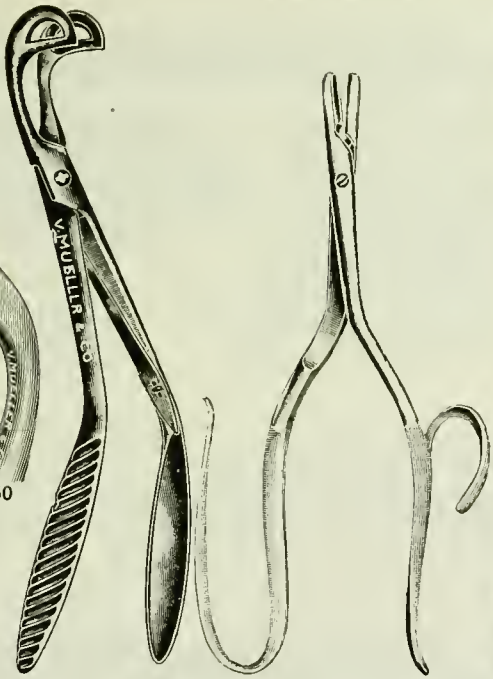
ADENOID AND POST NASAL FORCEPS

M-4310 Adenoid forceps, St. Clair Thompson's, small size $4 75
M-4315 Adenoid forceps, Loewenberg's latest improved model..... 3 75
M-4320 Adenoid forceps, Quinlan's..... 3 50
M-4325 Adenoid forceps, Juracz's, latest pattern, two sizes, each..... 3 50
M-4330 Adenoid forceps, Ferguson's, short and powerful..... $4 00
M-4335 Adenoid forceps, Juracz's, original pattern, two sizes..... 3 75
M-4340 Post nasal scissors, Holmes', for adenoid remains..... 3 50

Do not mutilate catalogue.—Specify section letter and number in ordering.

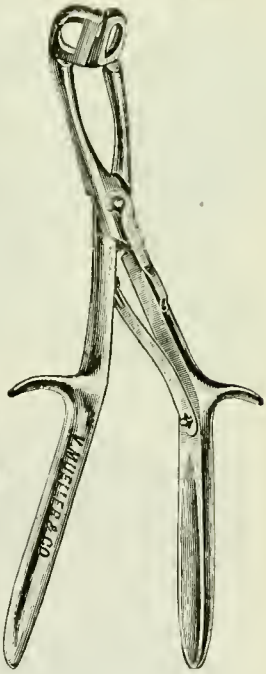


M-4350

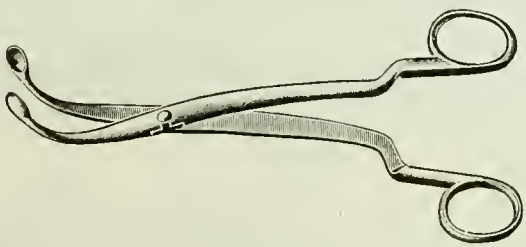


M-4345

M-4355



M-4360



M-4365



M-4370

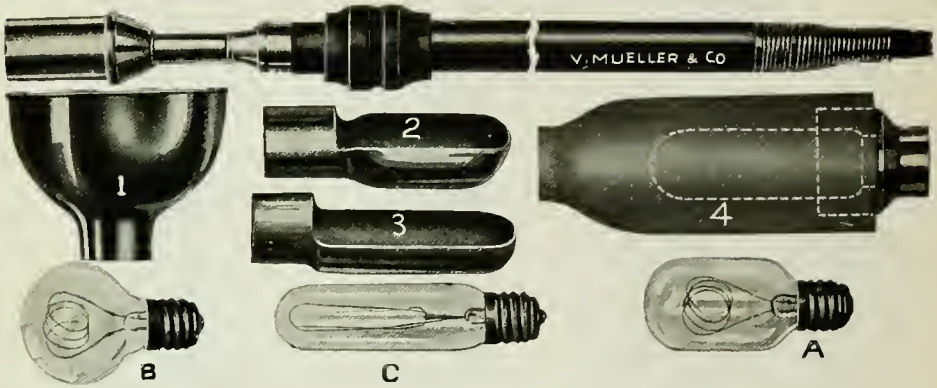


M-4375

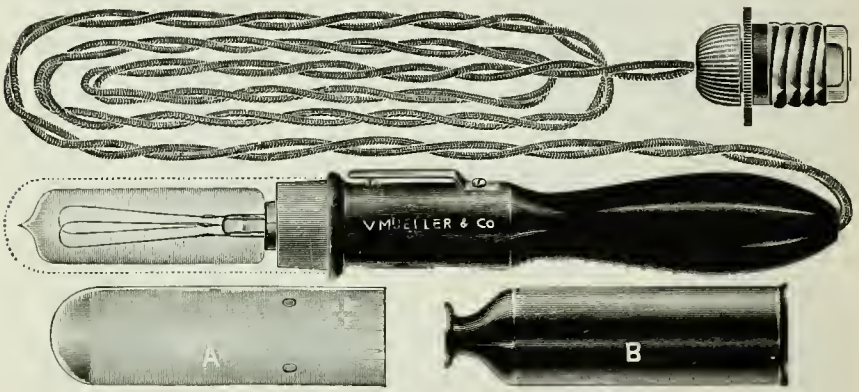
ADENOID AND POST NASAL FORCEPS —Continued

M-4345	Adenoid forceps, Brandegee's original model, two sizes, each	$5 75
M-4350	Adenoid forceps, Brandegee's latest model, made on the punch and die principle, two sizes, each	5 75
M-4355	Adenoid forceps, Frcer's, for use through the nose	6 00
M-4360	Adenoid forceps, McAuliff's	8 50
M-4365	Adenoid forceps, Hooper's, small cutting blades	$3 00
M-4370	Adenoid forceps, Prince's	3 75
M-4375	Adenoid forceps, Menier's	4 00

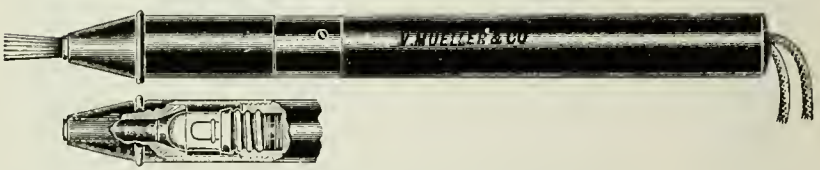
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4380



M-4385



M-4390

DIAGNOSTIC LAMPS AND TRANSILLUMINATORS

M-4380 Diagnostic set and transilluminating lamps, Haden's, complete in case, net..... $8 00
This outfit is so made that it can be used on the 110 volt direct or alternating current, without a current regulator.

Lamp A, for transiliumination of the frontal sinus. Lamp B, in connection with shield No. 1 for general inspection. Lamp C, with rubber shield No. 4, for transillumination of the frontal sinus, and the smaller lamps in connection with their respective metal shields for general diagnostic work through vaginal and rectal speculas, etc.

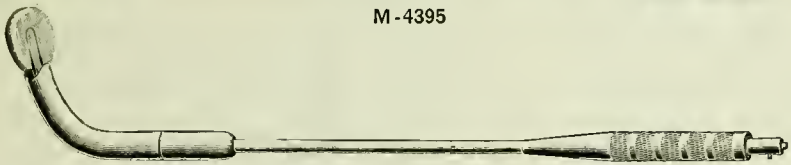
M-4385 Transilluminator, Freer-Jackson, for use on the 110 volt direct or alternating current $4 50

M-4390 Transilluminator, Würdermann's, for transocular illumination as well as for frontal and maxiliary siuus 10 00

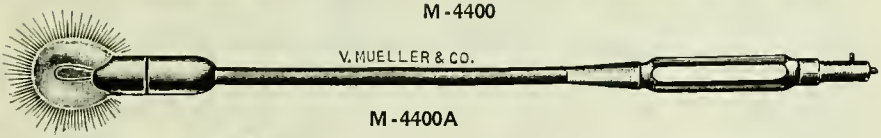
Do not mutilate catalogue.—Specify section letter and number in ordering.



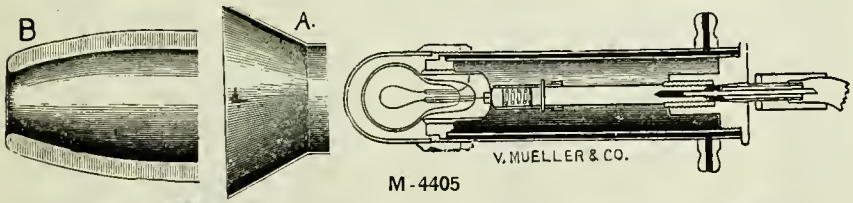
M-4395



M-4400



M-4400A



M-4405



M-4410

TRANSILLUMINATORS AND TRANSILLUMINATING HOODS

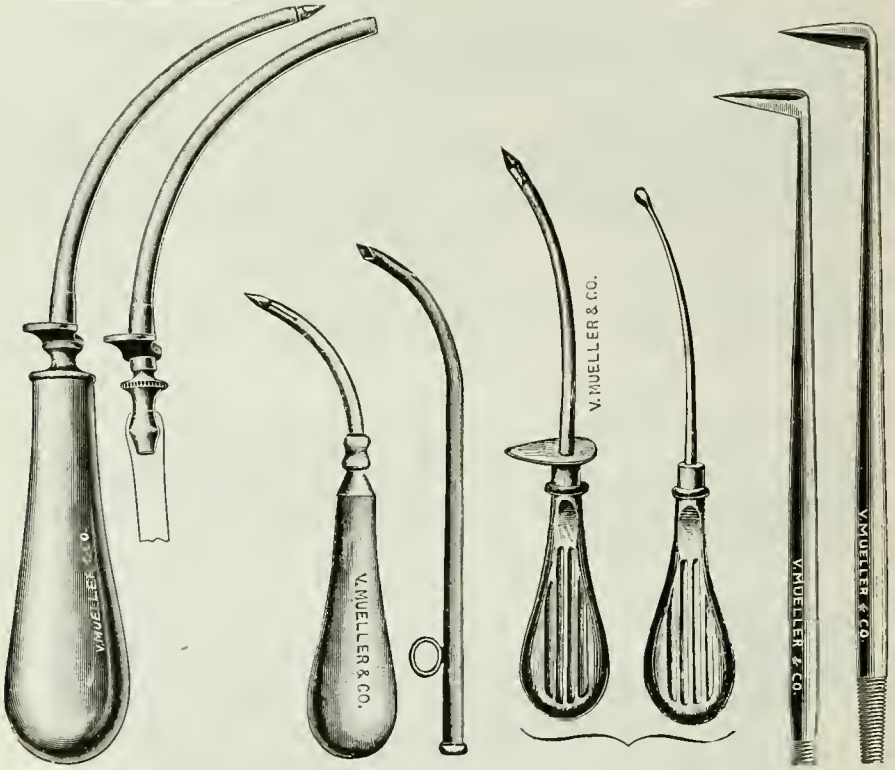
M-4395 Illuminator for antrum, with 15 volt lamp..... $3 50
M-4400 Illuminator, naso pharyngeal, Jackson's 15 volt lamp..... 4 50
M-4400A Illuminator for antrum, with flat lamp, 15 volt..... 3 50

We can also furnish 6 volt lamp for the above transilluminator for use with a battery.

M-4405 Transilluminating outfit for larynx, maxillar and frontal cavities, Jansen's. The space between the two metal tubes is arranged for water circulation for the purpose of overcoming the heat, generated by the high candle power incandescent lamp. Complete, with cable, extra lamps and tubing for water connections, in case 12 00

M-4410 Transilluminating hood or portable dark room, Beck's. The apparatus is made of wood fibre and photographic cloth and has proven very satisfactory in cases where a proper dark room is not available..... 8 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



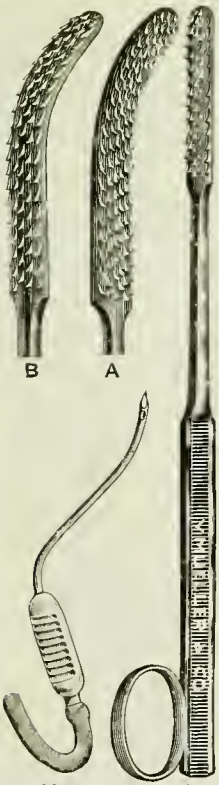
ANTRUM TROCARS AND PERFORATORS

M-4415	Antrum trocar, Pierce's, with washing tube	$3 00
M-4420	Antrum trocar, Myles' improved	2 50
M-4425	Antrum trocar and washing tube combined, Siebermann's	1 00
M-4430	Antrum trocar with obdurator and washing tube, two sizes, Juracz's, each	3 50
M-4430A	Antrum knives, Andrew's, right and left, to fit universal handle, each	1 50
M-4435	Antrum chisels, Stein's, right and left, each	2 50
M-4440	Antrum perforator and antrum reamer, Abraham's, each	3 00

Do not mutilate catalogue.—Specify section letter and number in ordering.


M-4445

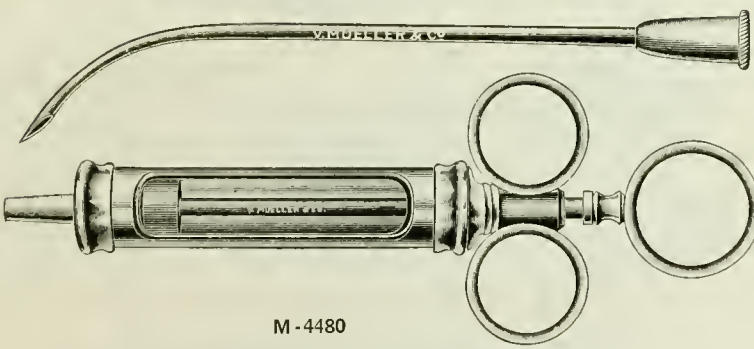

M-4450



M-4455 M-4460


M-4465


M-4470


M-4475

M-4480

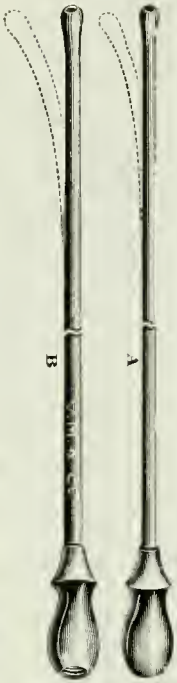
ANTRUM TROCARS, SYRINGES AND BURS

M-4445	Antrum perforator, Wellaminski's	$2 00
M-4450	Antrum saws, right and left, Vail's, each	2 25
M-4450A	Antrum perforator, Vail's, not illustrated	2 25
M-4455	Antrum trocar and washing tube combined, Douglas', two sizes, each	2 00
M-4460	Antrum rasp, Gallaher's, straight	2 25
M-4460A	Antrum rasp, Gallaher's, curved, cut on the concave side	2 25
M-4460B	Antrum rasp, Gallaher's, curved, cut on the convex side	2 25
M-4465	Antrum drill, Boettcher's	2 50
M-4470	Antrum bur, Ballenger's, made in 3 sizes, each	2 75
M-4470A	Antrum burs, Tilley's, made in 3 sizes, curved, each	2 75
M-4475	Antrum trocar needle, Abraham's	1 75
M-4480	Antrum syringe and trocar needle, Abraham's, complete	3 75

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4485



M-4490



M-4495 M4500 M-4505



M-4510



M-4515



M-4520



M-4525



M-4530



M-4535

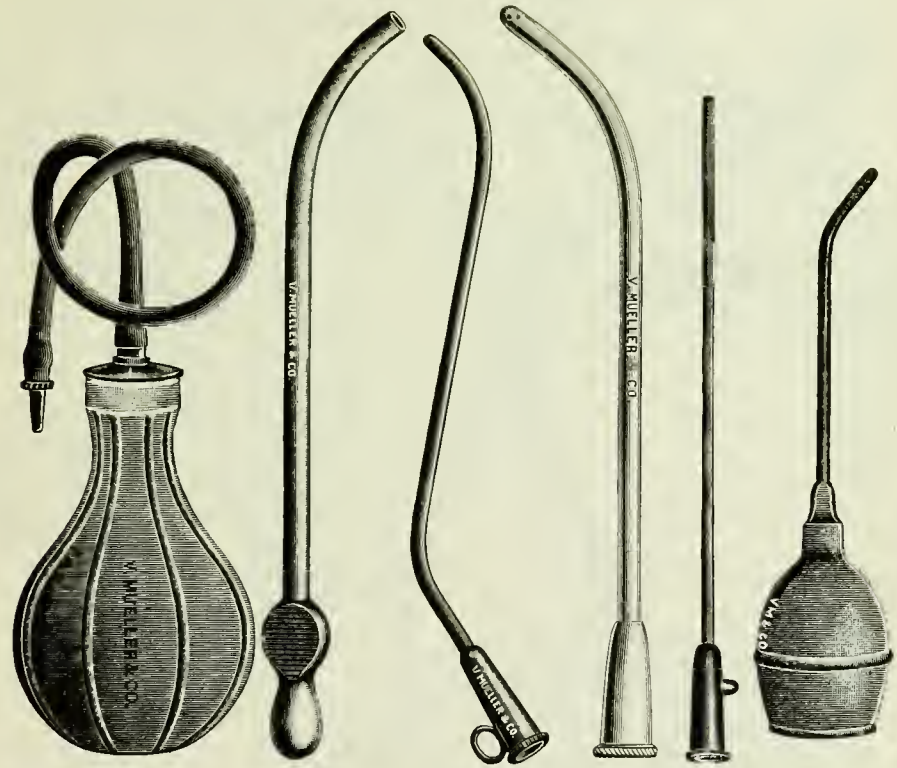


M-4525

ANTRUM TROCARS AND WASHING TUBES

M-4485	Antrum trocar and washing tube, Richards'	$1 50
M-4490	Antrum and frontal sinus washing tubes, three sizes, made of pure silver, each.....	1 00
	Made of brass, nickel plated, each.....	60
M-4495	Antrum and frontal sinus washing tube, Killian's	1 00
M-4500	Antrum and frontal sinus washing tube, Killian's, very fine, re-enforced.....	1 00
M-4505	Antrum trocar needle and washing tube, Killian's	85
M-4510	Antrum washing tube, Simpson's, made of silver	85
M-4515	Sphenoid washing tube, Andrew's, nickel plated	50
M-4520	Antrum trocar needle, Simpson's.....	75
M-4525	Antrum trocar needles, Killian's, right and left, each	1 25
M-4530	Antrum washing tube, Ekken's with handle	1 00
M-4535	Catheter, Fischer's, for the posterior nares..	1 25

Do not mutilate catalogue.—Specify section letter and number in ordering.



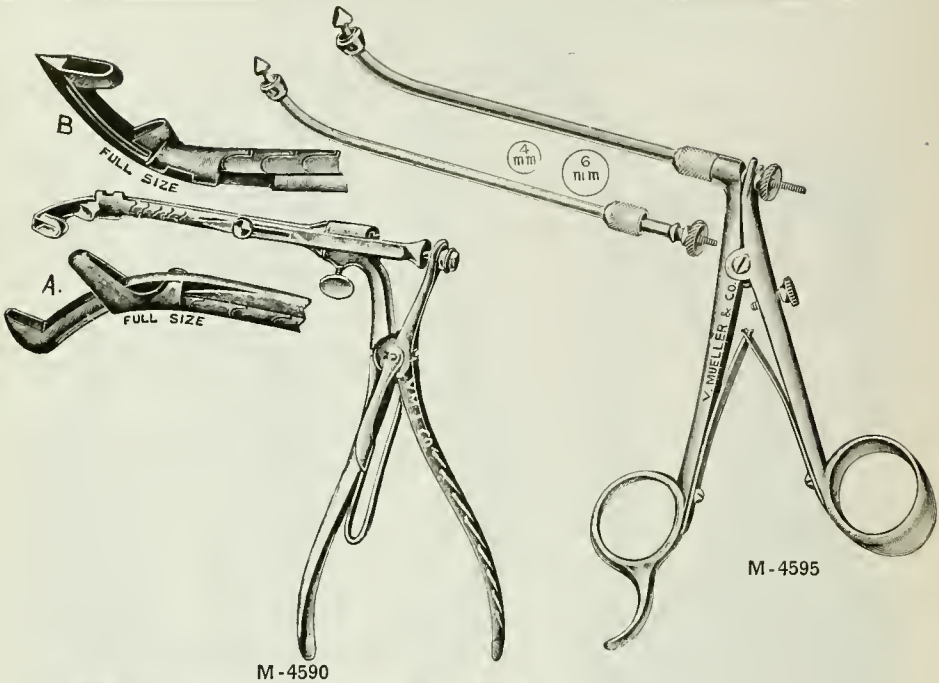
M-4540 M-4545 M-4550 M-4555 M-4560 M-4565

M-4575 M-4585 M-4580

SYRINGES AND WASHING TUBES

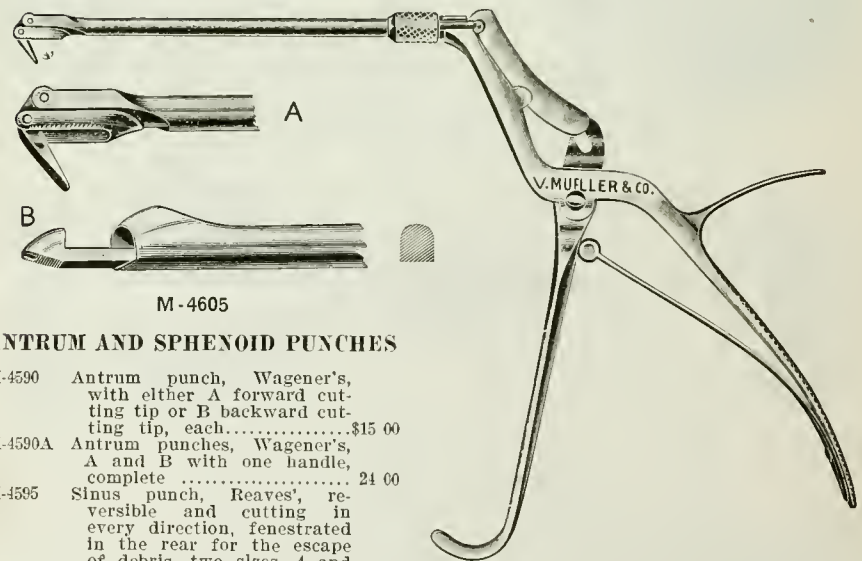
M-4540	Bulb syringe and connection for antrum washing tube	$1 25
M-4545	Antrum washing tube, Marquis', three sizes, each	90
M-4555	Antrum washing tube, Pierce's, perforated on side and front	1 25
M-4555	Antrum washing tube, Abraham's, perforated on side, silver	1 50
M-4560	Washing tube, hard rubber, Freer's	50
M-4565	Syringe for antrum and frontal sinus, Ingal's	75
M-4570	Antrum washing tube, Abraham's, conical, made of hard rubber, not illustrated	75
M-4575	Antrum drainage tube, Myles' soft rubber, three sizes, each	25
M-4580	Antrum drainage tubes, Ingal's soft rubber, three sizes, each	30
M-4585	Syphon syringe, Pierce's, for use with washing tubes, continuous spray	1 65

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4590

M-4595



M-4605

M-4600

ANTRUM AND SPHENOID PUNCHES

M-4590 Antrum punch, Wagener's, with either A forward cutting tip or B backward cutting tip, each.....$15 00

M-4590A Antrum punches, Wagener's, A and B with one handle, complete 24 00

M-4595 Sinus punch, Reaves', reversible and cutting in every direction, fenestrated in the rear for the escape of debris, two sizes, 4 and 6 mm., in one handle, complete 18 50

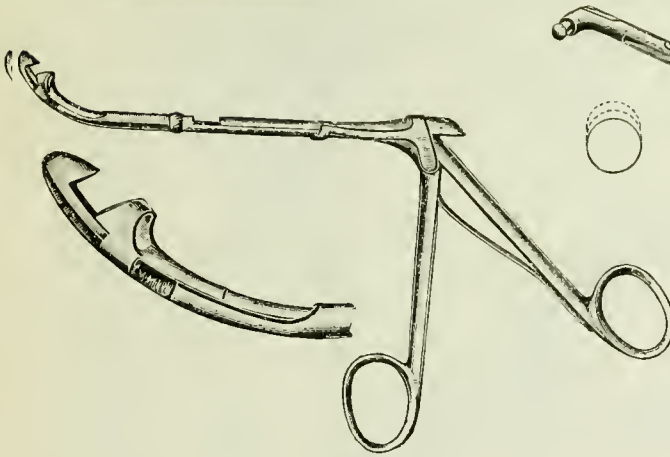
M-4600 Antrum punch, Ostrom's, reversible, cutting backward, latest model, powerful handle $10 00

M-4605 Sphenoid punch, Ostrom's, with same handle as figure M-4600..... 8 00

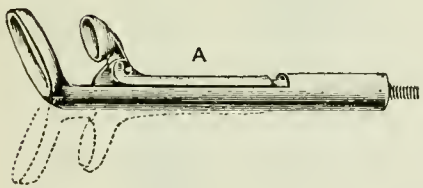
M-4605A Punches A and B with one handle as figure M-4600..... 15 00

M-4610 Antrum punch, Sonnenkalb's, can be used either side (not illustrated)..... 12 00

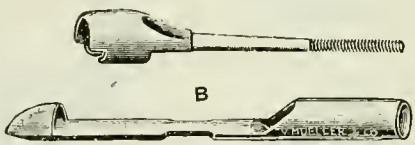
Do not mutilate catalogue.—Specify section letter and number in ordering.



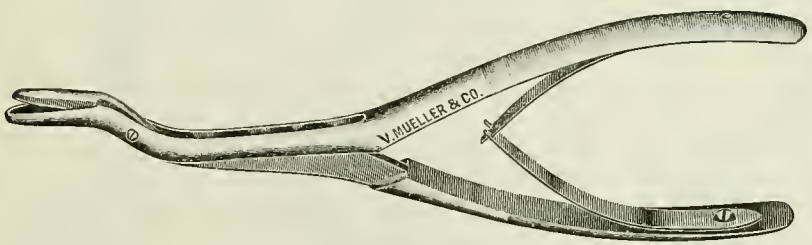
M-4615 M-4620



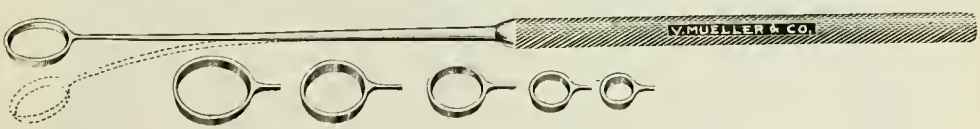
M-4615A



M-4615B



M-4625

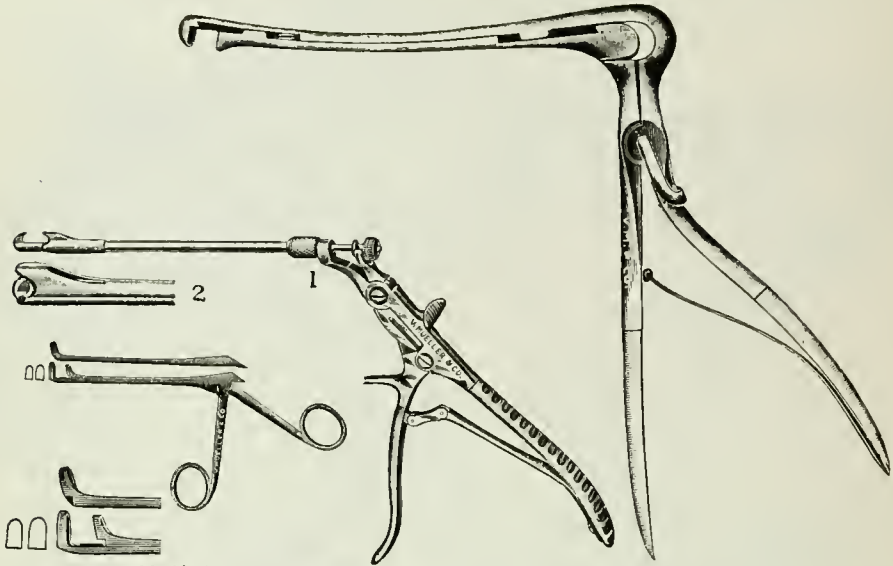


M-4630

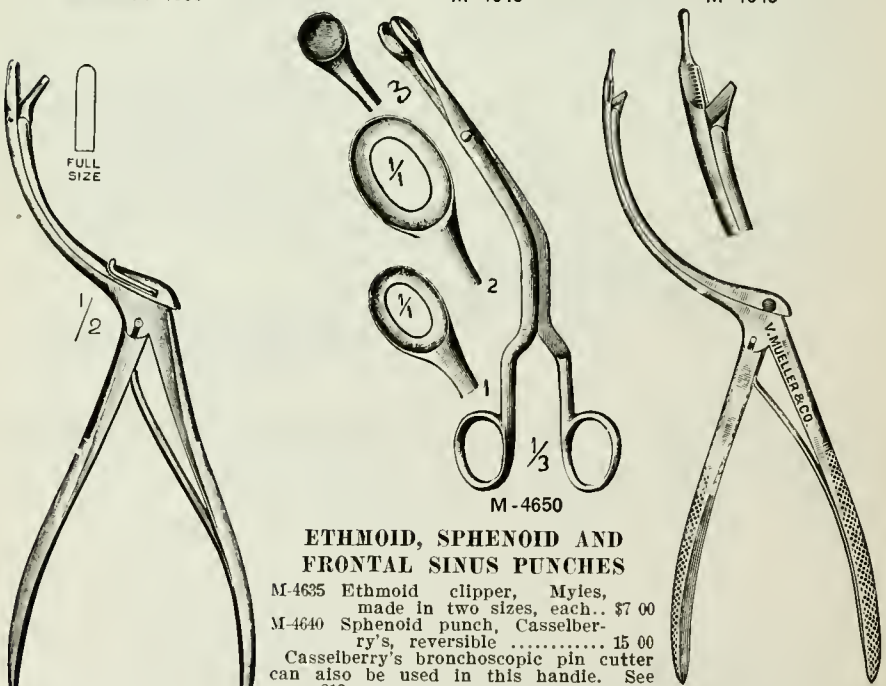
ANTRUM PUNCHES AND CURETTES

M-4615	Antrum punch, Spies', for either side	$13 50
M-4615A	Antrum punch, Spies', with ethmoid attachment A, and sphenoid attachment B, to fit one handle, complete	27 50
M-4620	Antrum punch, Fletcher's, for either side	15 00
M-4625	Antrum punch, Roe's, for either side	10 00
M-4630	Antrum curettes, Myles', with flexible shanks, five sizes, each	1 10

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4635 M-4640 M-4645



M-4650

M-4655 M-4660

ETHMOID, SPHENOID AND FRONTAL SINUS PUNCHES

M-4635 Ethmoid clipper, Myles, made in two sizes, each.. $7 00

M-4640 Sphenoid punch, Casselberry's, reversible 15 00

Casselberry's bronchoscopic pin cutter can also be used in this handle. See page 212.

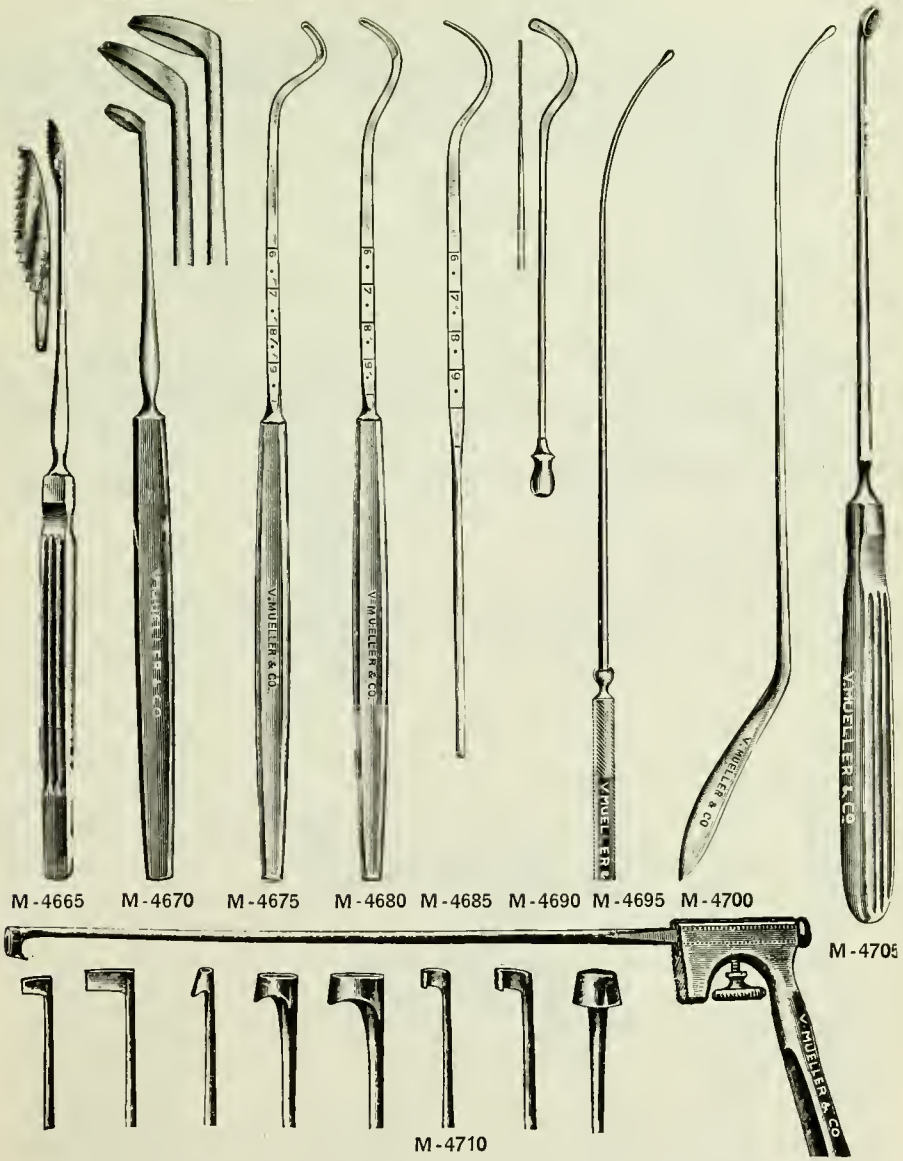
M-4645 Sphenoid punch, Hajek-Skillern's $13 50

M-4650 Ethmoid forceps, Luc's, two sizes with fenestrated blades and one cup shape, each $4 00

M-4655 Ethmoid forceps, Lange's 8 50

M-4660 Frontal sinus forceps, Lange's, probe pointed..... 10 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



SPHENOID, ETHMOID, AND FRONTAL SINUS INSTRUMENTS

M-4665	Sphenoid rasp, Good's	$2 00
M-4670	Frontal sinus curettes, Worthington's, two patterns, each	2 50
M-4675	Ethmoid knife, Andrew's, lesser curved	2 00
M-4680	Sphenoid knife, Andrew's, full curved	2 00
M-4685	Sphenoid probe, Andrew's	50
M-4690	Sphenoid washing tube, Andrew's, silver	1 25
M-4695	Frontal sinus probe, Thompson's, made of silver	65
M-4700	Frontal sinus probe, soft copper, $0 50; silver	75
M-4705	Ethmoid curette, Ballenger's	2 25
M-4710	Ethmoid chisels, Myles', set of 10, with one handle	24 00

Do not mutilate catalogue.—Specify section letter and number in ordering.

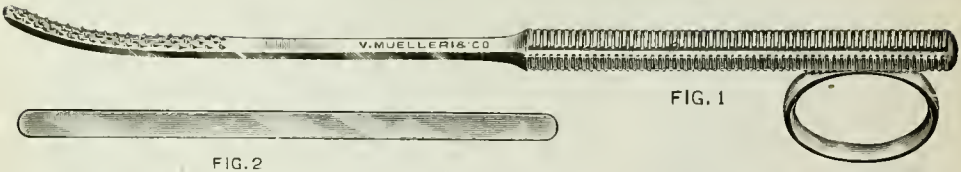
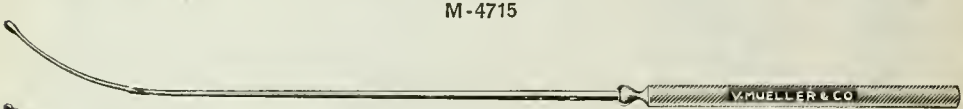


FIG. 1

FIG. 2

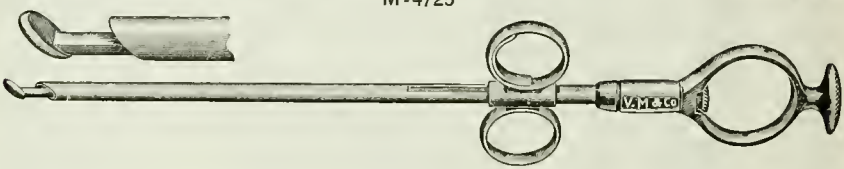
M-4715



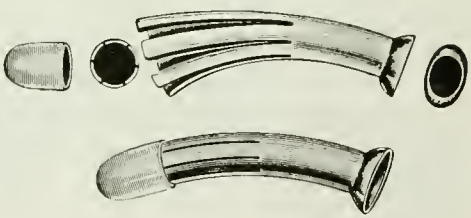
M-4720



M-4725



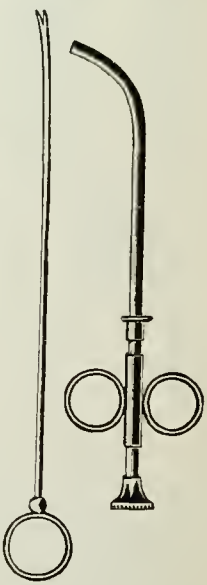
M-4730



M-4735



M-4740

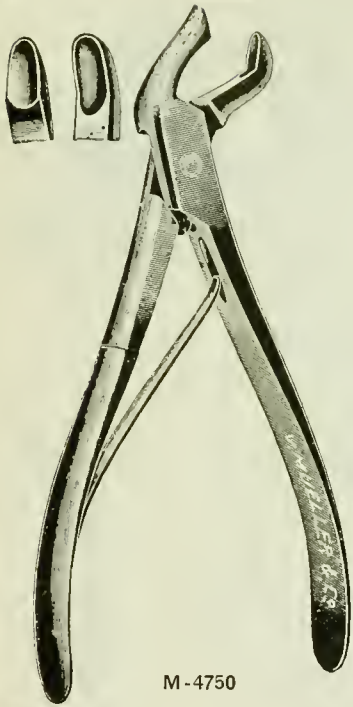


M-4745

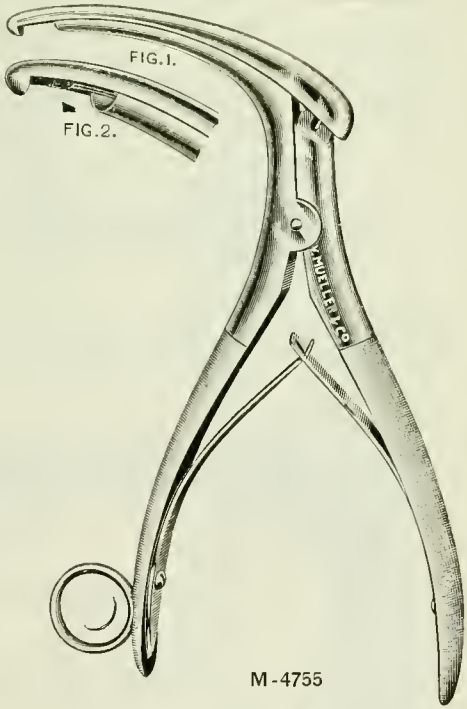
FRONTAL SINUS INSTRUMENTS

M-4715	Frontal sinus rasp, Good's, right and left, each	$2 25
M-4715A	Good's protectors for rasp, figure 2, each	10
M-4720	Frontal sinus probe, Thompson's tempered steel	75
M-4725	Frontal sinus rasps, Thompson's, full curve and lesser curve, each	2 25
M-4730	Frontal sinus chisel, Yankauer's	10 50
M-4735	Frontal sinus drainage tube, Ingal's, made of gold	8 00
M-4740	Introducer for frontal sinus drainage tubes, Ingal's	$1 75
M-4745	Frontal sinus packer, Ingal's	2 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4750

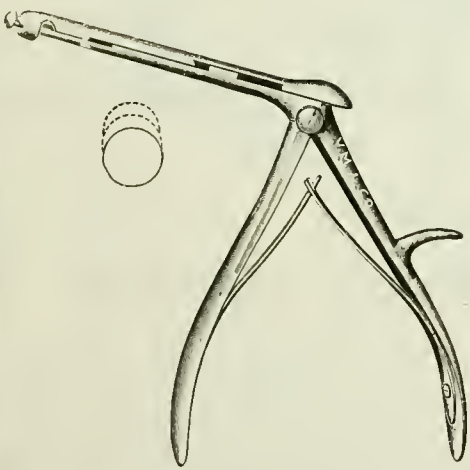


M-4755



M-4765

M-4770



M-4760



M-4775

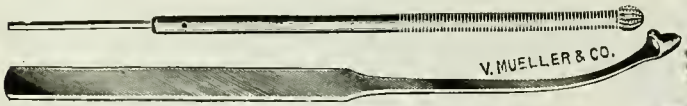


M-4780

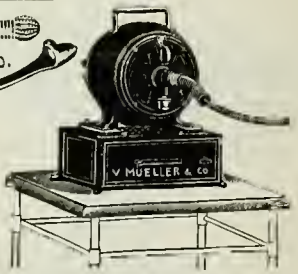
FRONTAL SINUS INSTRUMENTS—Continued

M-4750	Rongeur forceps, Lombard's	$6 50
M-4755	Frontal sinus forceps, for enlarging opening internally, Prince's	10 50
M-4760	Frontal sinus punch, Fletcher's	15 00
M-4765	Frontal sinus chisel, Killian's, angular	1 50
M-4770	Frontal sinus guard, Killian's	1 50
M-4775	Frontal sinus chisel, V shaped, Killian's, two sizes, each	1 50
M-4780	Frontal sinus chisel, Killian's, V shaped, curved	1 50

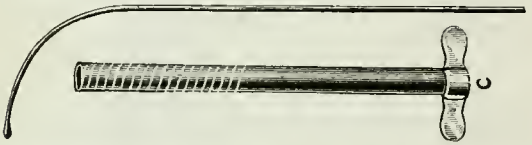
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4785

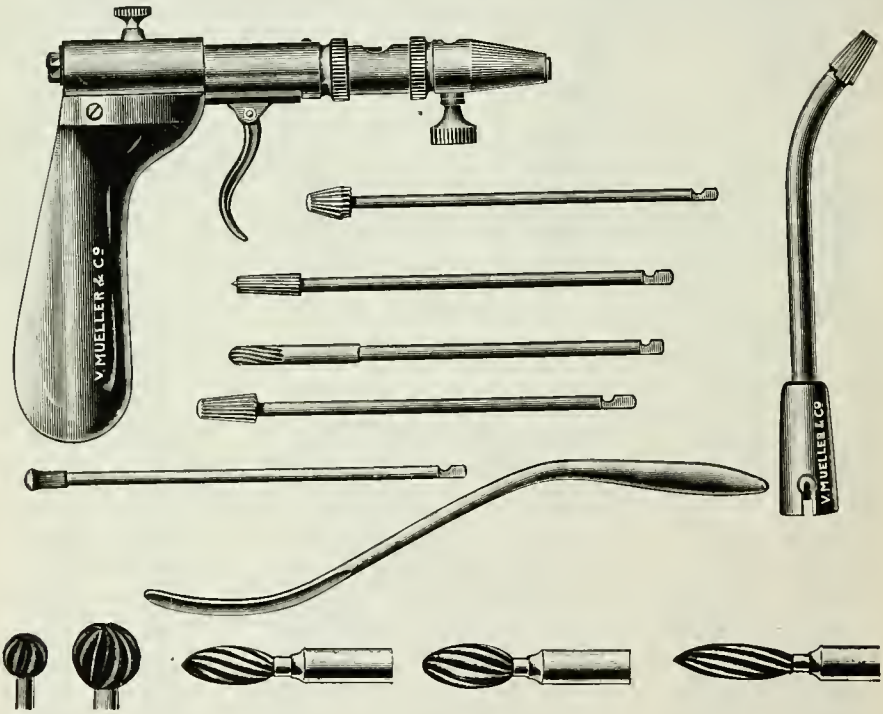


M-4800





M-4790



M-4795

FRONTAL SINUS, ANTRUM, MASTOID BURS, ETC.

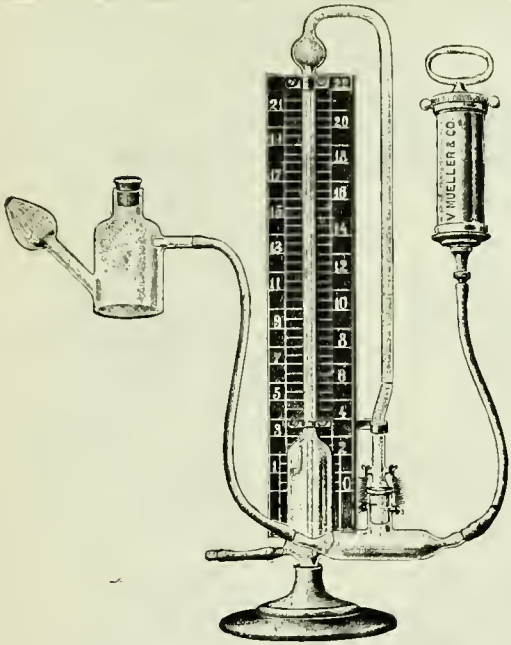
M-4785 Frontal sinus pilot bur and guard for same, Ingal's.....$10 50

M-4790 Frontal sinus pilot bur, with guide A, bur B, and protector C..... 10 00

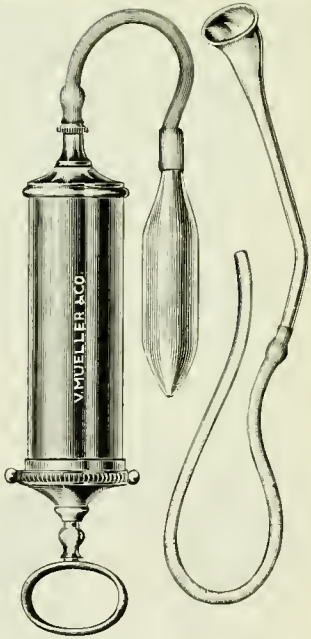
M-4795 Bone surgery outfit, Halle's, consisting of hand piece, surgical cable, curved trephine for antrum, five various shaped burs for antrum and frontal sinus, three protectors for burs, seven drills from 1 to 5 millimeter diameter, seven burs of various shape from 4 to 15 millimeter diameter, complete..... ..... 80 00

M-4800 Electric motor for use with Halle's bone surgery outfit, according to current used, from $45 00 to 75 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4810



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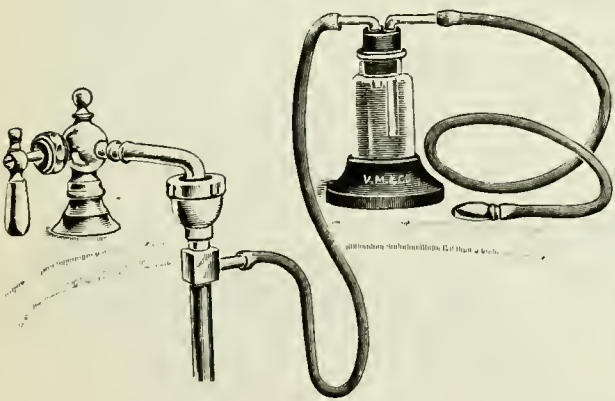
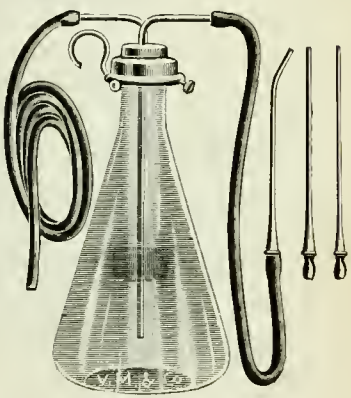


M-4820



M-4825

ACCESSORY SINUS AND BLOOD ASPIRATORS

M-4810 Suction apparatus, Horn's, for treatment of the accessory nasal cavities by means of negative pressure. This is a scientifically constructed apparatus. Complete including mercury and pump.....$15 00

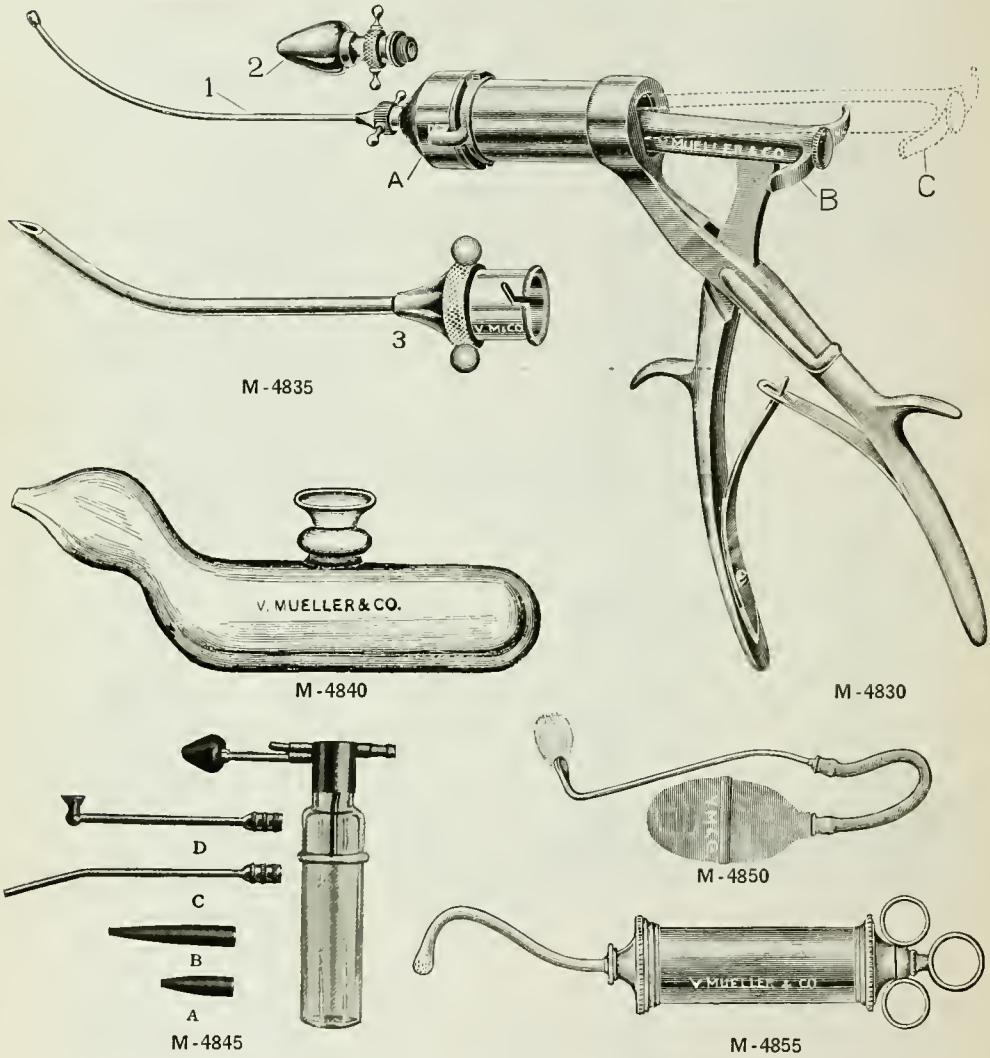
M-4815 Suction apparatus, Beck's, for treatment of the accessory nasal cavities and the tonsils 5 25

M-4820 Suction apparatus, Brawley's, for freeing the nasal accessory sinuses of secretion and assisting in differential diagnosis by the suction method..... 4 00

M-4825 Vacuum or suction bottle, Haskin's, for the removal of secretions in suppurative cases for the removal of blood in mastoid and tonsil operations, etc. Complete, with tubing and three silver tubes of different caliber..... 8 50

This vacuum bottle can be used in connection with the Victor transformer equipped with ear pump or other pumps of that type.

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4835

M-4840

M-4830

M-4845

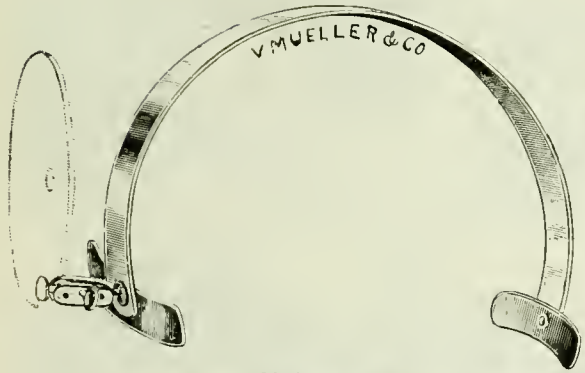
M-4850

M-4855

SYRINGES, DOUCHES, ETC.

M-4830	Syringe for injecting bismuth paste in the various sinuses, antrum, ear and nose, Beck's, with curved flexible silver tip, No. 1, and bulbous ear and nasal tip No. 2, entirely of metal	$16 00
M-4835	Trocar and injection tube, figure 3, for the antrum, fitting on Beck's bismuth paste syringe	1 75
M-4840	Nasal douche, Birmingham's	15
M-4845	Suction apparatus for nasal sinus, Dabney-Pynchon's, for use with compressed air	2 50
M-4850	Post-nasal douche syringe, Holmes'	1 25
M-4855	Post nasal syringe, entirely of metal, two-ounce	3 25
M-4855A	Post nasal syringe, hard rubber, (not illustrated)	1 25

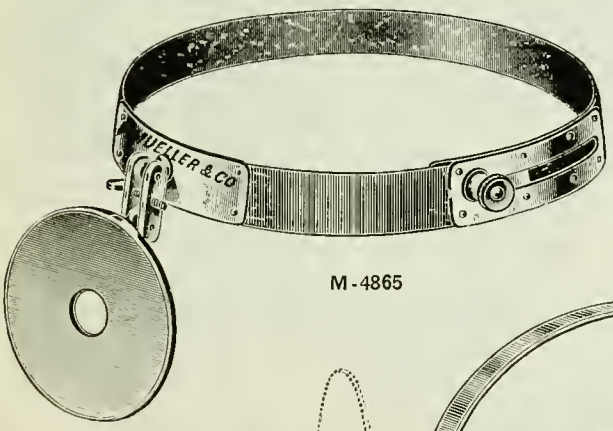
Do not mutilate catalogue.—Specify section letter and number in ordering.



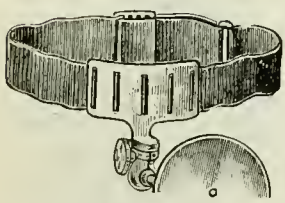
M-4860



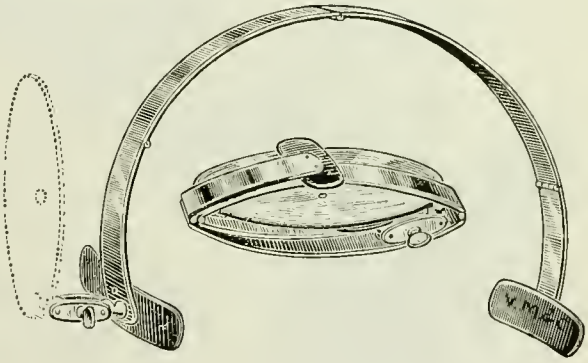
M-4875A



M-4865



M-4875

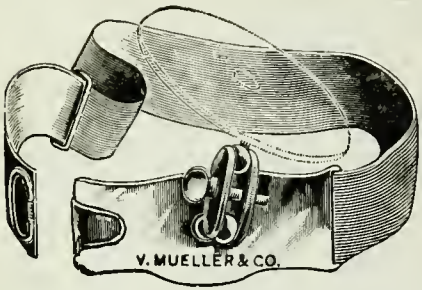


M-4870

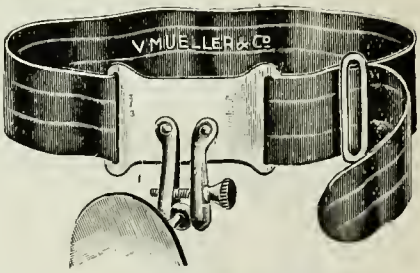
HEAD BANDS AND MIRRORS

M-4860	Spring head band, metal	$0 90
M-4865	Head band of fibre, very strong and non-inflammable	1 50
M-4865A	Head band same as 4860, but made of white or tortoise colored celluloid, each	1 75
M-4870	Spring head band, made of metal, folding	3 00
M-4875	Head band, V Mueller & Co., nickel plated or oxidized, each	80
M-4875A	Reflector with mouth piece, model Jansen-Pleree, with 3 or 3½-inch aluminum backed mirror	5 75

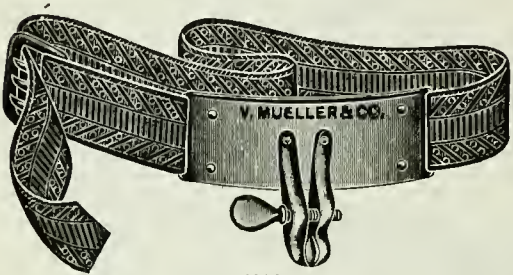
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4880



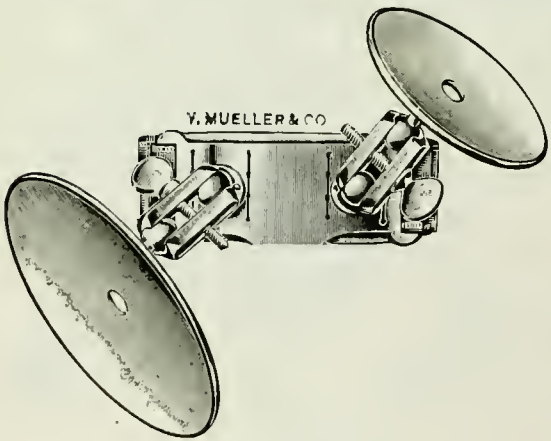
M-4885



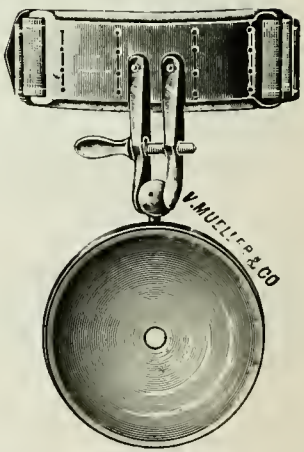
M-4890



M-4890A



M-4895



M-4900

HEAD BANDS AND MIRRORS—Continued

M-4880	Head band, Gleason's, with leather strap	$1 00
M-4885	Head band, Bosworth's	75
M-4890	Head band, Pynchon's, made of hard rubber and metal, extra strong strap	1 25
M-4890A	Spring clamp, attachable to any head mirror, adjustable as to length, for holding lenses, without lens, net	1 35
M-4895	Head band with two reflectors, Fisher's. On the back of the reflectors are spring clamps like figure 4890A for holding lenses. Large reflector, 10 c. m. for nose and throat, small reflector, 7 c. m. for ear work. All metal parts are made of magnalium, a metal considerably lighter than aluminum, complete	11 00
M-4900	Head band, Hajek, without mirror	90

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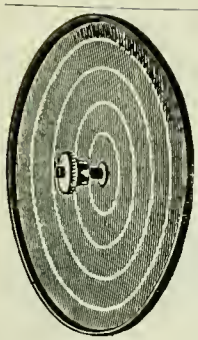
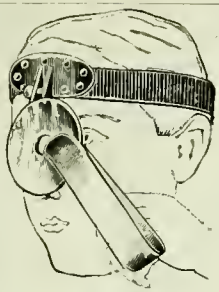

M-4925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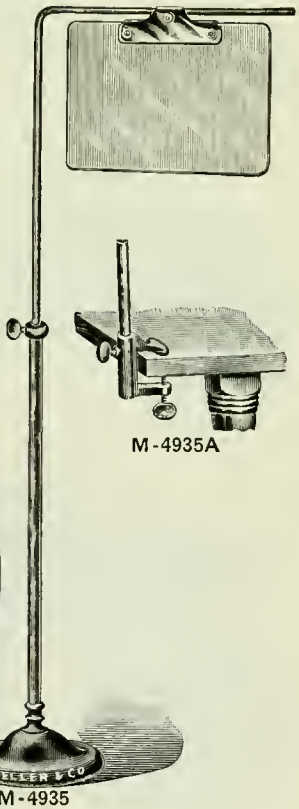
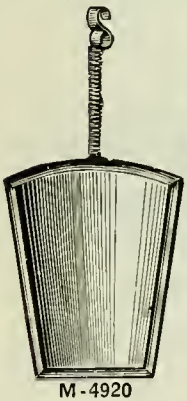
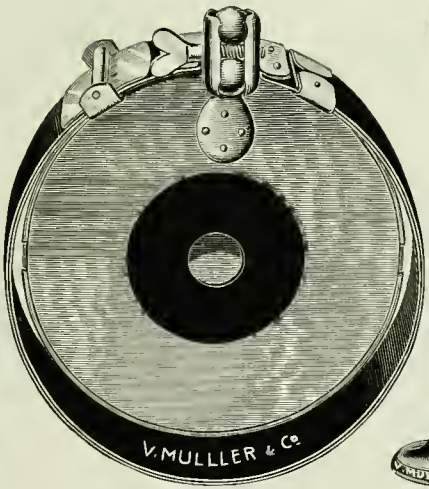

M-4935

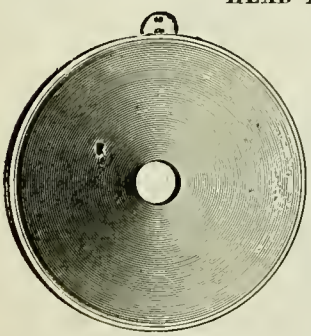
M-4935A


M-4920



M-4905
M-4905A

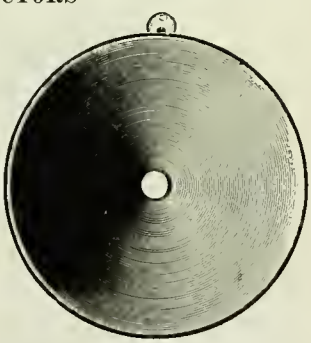
HEAD MIRRORS AND PROTECTORS


M-4910

M-4905 Head mirror, Fraenkel's, with aluminum back, large hole, extra fine quality: 3-inch net $2 25; 3½-inch, $2 50; 4-inch, $2 75, including protectors.

M-4905A Head band, Fraenkel's adjustable, made of polished fibre, with double jointed clamp $2 00

M-4910 Head mirror, regular, with opening 12 mm.; 2½-inch net. $1 15; 3-inch, $1 25; 3½-inch, $1 40; 4-inch 1 50


M-4915

M-4915 Head mirror, regular, with opening 7 mm.; sizes and prices same as figure 4910.

M-4920 Demonstration mirror, Noltenius, illustration actual size, attachable to any head mirror $1 75

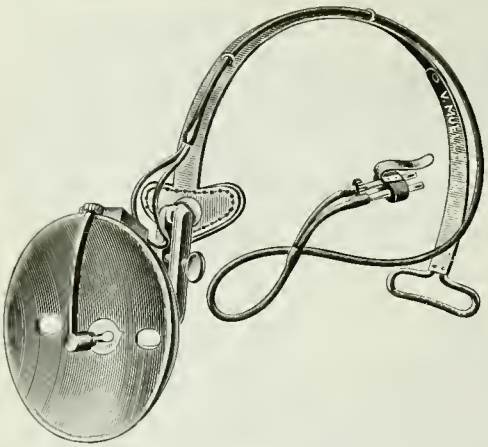
M-4925 Protector for head mirror, 3, 3½ and 4-inch, each..... 30

M-4930 Spring forceps, Amberg's, by means of which the operator can focus the mirror in any position without touching same 75

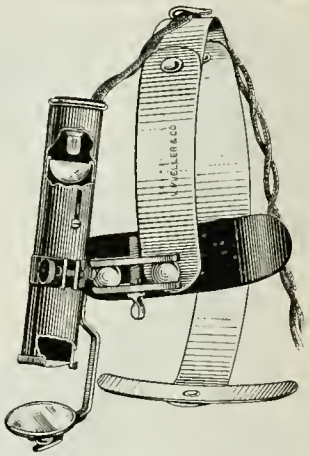
M-4935 Protective shield, made of glass, Lewis', to prevent contagion, on adjustable floor stand 7 50

M-4935A With clamp to screw on examining or operating table..... 5 50

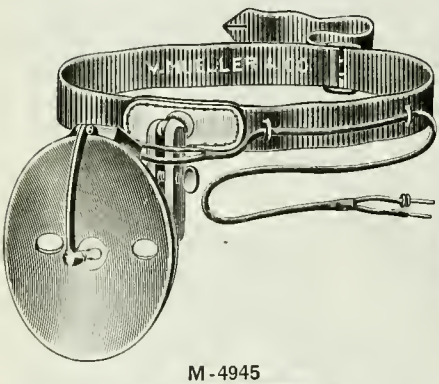
Do not mutilate catalogue.—Specify section letter and number in ordering.



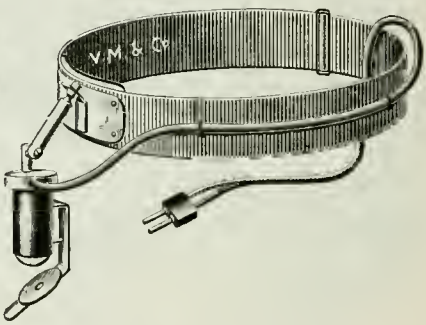
M-4940



M-4955



M-4945



M-4960



M-4950

ELECTRIC HEAD LIGHTS

M-4940 Electric head light, Klaar-Alexander's latest model, with rubber covered adjustable light carrying arm, screw socket instead of slip socket for lamp, folding metal band, extra lamp and cable. The light can be easily focused and the apparatus does not get hot, complete $19 00

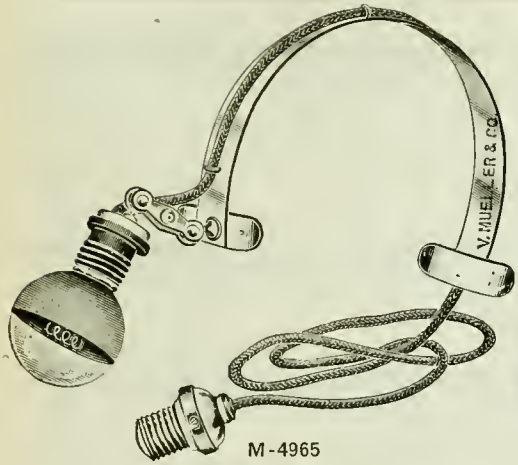
M-4945 Electric head light, Klaar-Alexander's, same as 4940, but with cloth band instead of folding metal band..... 18 50

M-4950 Electric head light, Freeman's, with folding spring head band..... 14 00

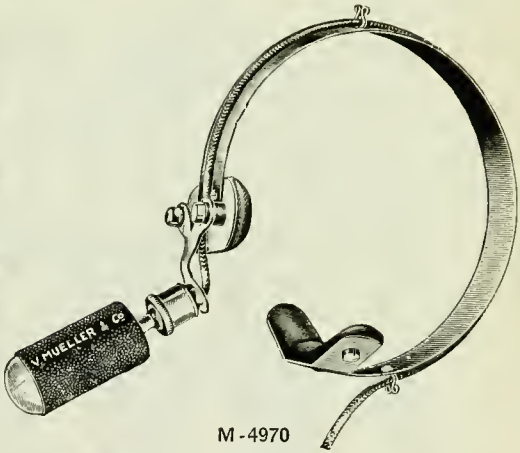
M-4955 Electric head light, DeZeng's, produces a white light without shadows..... 15 00

M-4960 Electric head light, Kirsteln-Killian's latest model, (imported), hard rubber circular head band or cloth band, with extra lamp and cable..... 18 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



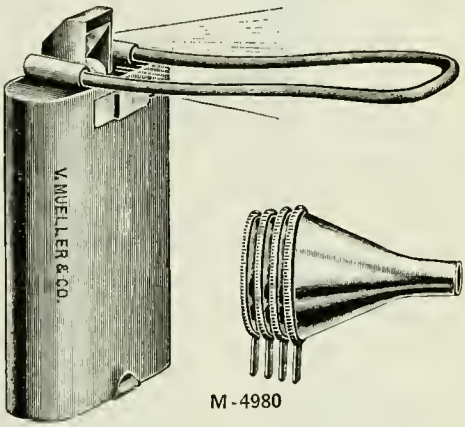
M-4965



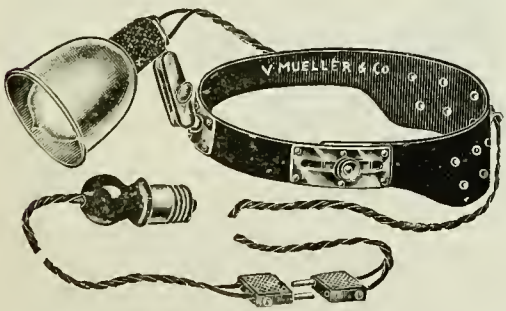
M-4970



M-4975



M-4980



M-4985

ELECTRIC HEAD LIGHTS—Continued

M-4965 Electric head light, Stuckey's, adjustable for connection to the 110 volt direct or alternating current $6 50

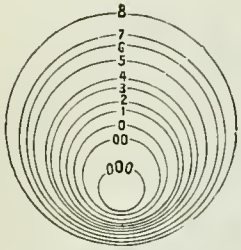
M-4965A Electric head light, Stuckey's original, non-adjustable 5 00

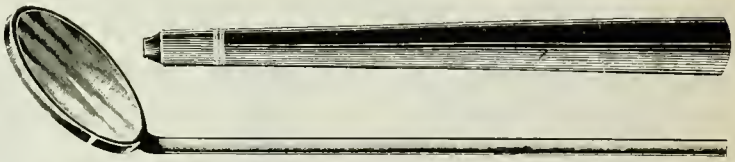
M-4970 Electric head light, V. Mueller & Co.'s substantially constructed; has a powerful incandescent lamp, the light of which is concentrated through a condensing lens in order to give an intense white light at the proper operating distance, complete, with extra lamp and cable 12 50

M-4975 Electric head light, with pocket battery and Tungsten lamps, size of battery 2¾ by 3½ by 1, complete with conducting cord and battery..... 8 00
Extra batteries, $0 50; extra Tungsten lamp, $0 65.

M-4980 Electric illuminating pocket set, with four ear and nasal specula and tongue depressor, size of battery 3 by 2 by ¾ inches, with Tungsten lamp, complete... 5 00
Extra batteries, $0 50; extra Tungsten lamp, $0 65.

M-4985 Electric head light, Pierce's, with aluminum reflector and adjustable fibre band very light, for use on 110 volt direct or alternating current..... 7 50

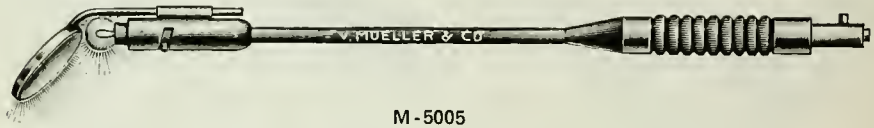




M-4990



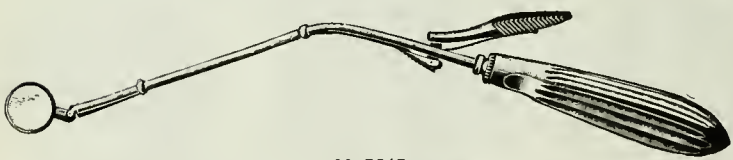
M-5000



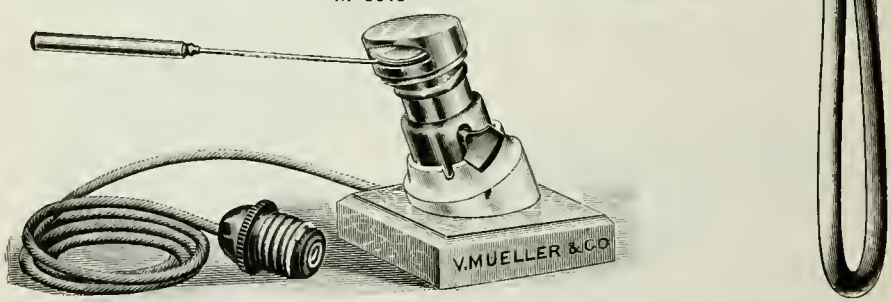
M-5005



M-5010



M-5015

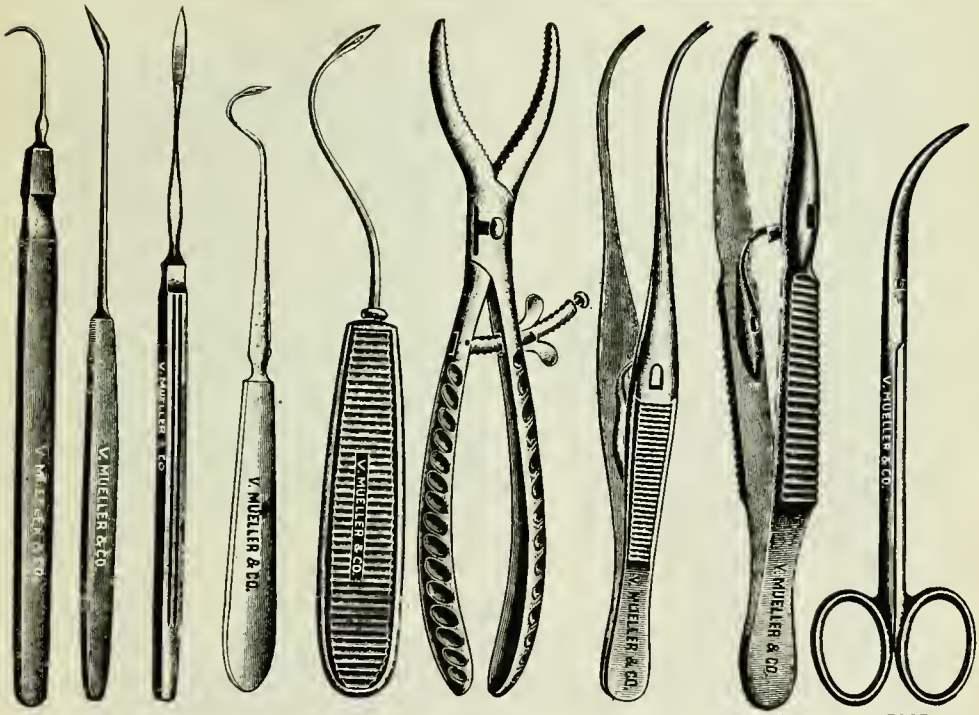


M-5020

THROAT MIRRORS, THROAT MIRROR HEATERS, ETC.

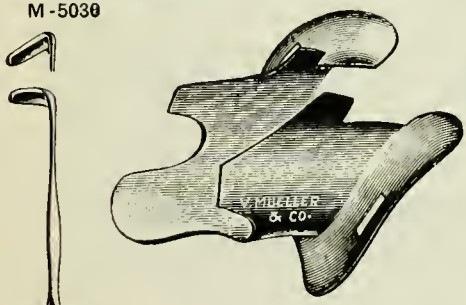
M-4990	Throat mirrors, copper or nickel backed, boilable, sizes 0 to 8, with metal handle, each	$0 60
	Sizes 00 and 000, each	65
M-4995	Throat mirrors, regular, sizes 0 to 8, with metal handle, each	45
M-5000	Universal handle for throat mirrors, each	30
M-5005	Laryngoscope and mouth lamp, any size mirror may be attached, without mirror	3 25
M-5010	Tongue depressor electrically illuminated	3 25
M-5015	Rhinoscopic mirror, Michel's, two sizes, each	4 00
M-5020	Electric mirror heater, Heitger's, can be attached to 110 volt direct or alternating current	5 50

Do not mutilate catalogue.—Specify section letter and number in ordering.

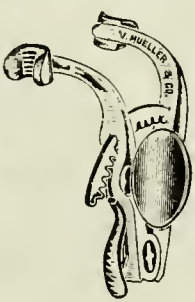


M-5025 M-5035 M-5040 M-5045 M-5050 M-5055 M-5060 M-5065

M-5030



M-5080



M-5085



M-5090



M-5070

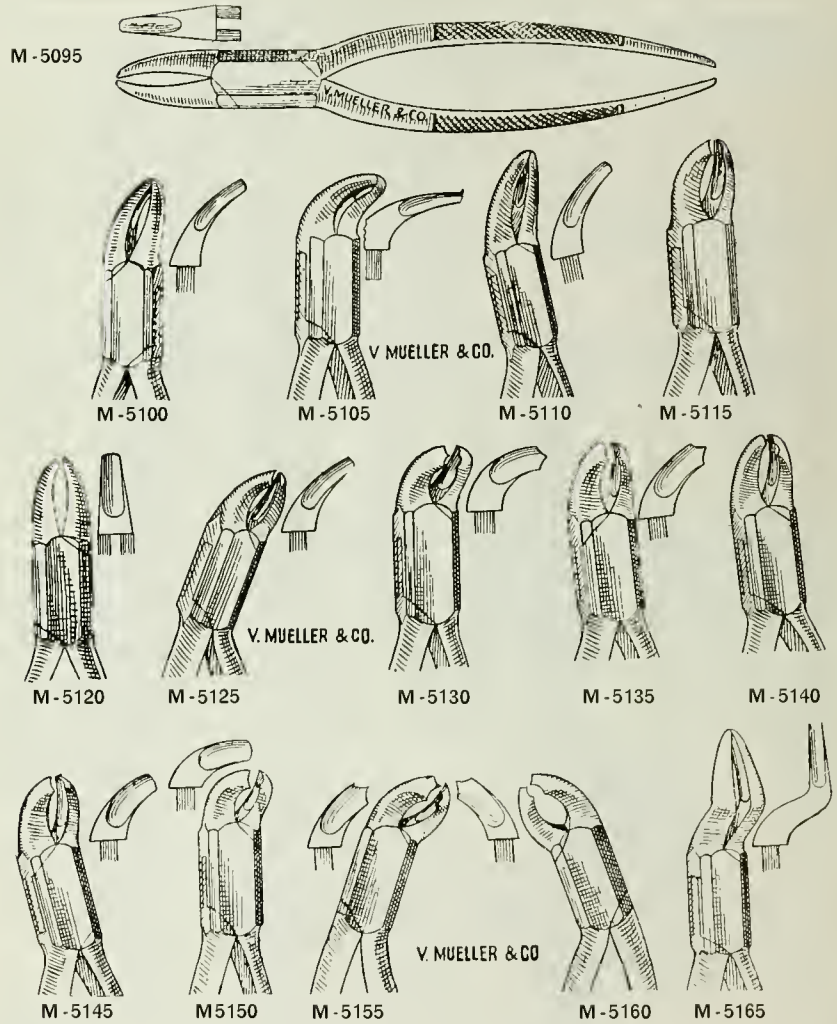


M-5075

STAPHYLORRHAPHY INSTRUMENTS

M-5025	Ligature hook	$1 15
M-5030	Bistoury angular double edged	1 25
M-5035	Bistoury center point	1 25
M-5040	Needles made right and left, DeChamp's, each	1 75
M-5045	Bone needles, right and left, Brophy's, each	1 75
M-5050	Maxillary clamp, Logan's	4 75
M-5055	Tissue forceps, Brophy's long curved	2 00
M-5060	Tongue forceps, English pattern	1 50
M-5065	Scissors, full curved, Brophy's	2 00
M-5070	Periosteotomes, two patterns, right angle and acute, Brophy's, right and left, each	1 50
M-5075	Bone scarifiers, Brophy's, right and left, each	1 75
M-5080	Mouth gag, Brophy's, made in four sizes, each	1 85
M-5085	Mouth gag, Ferguson's, modified by Brophy, with extra wide bite blocks	5 50
M-5090	Lead plates, each	15

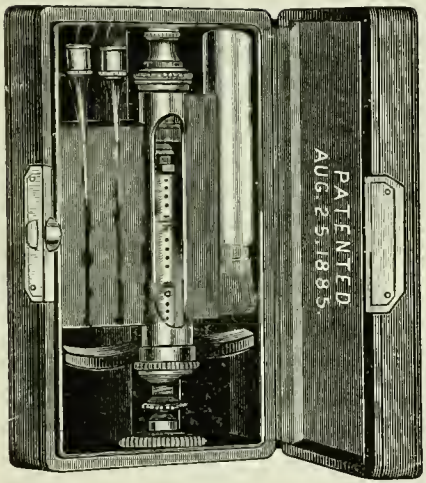
Do not mutilate catalogue.—Specify section letter and number in ordering.



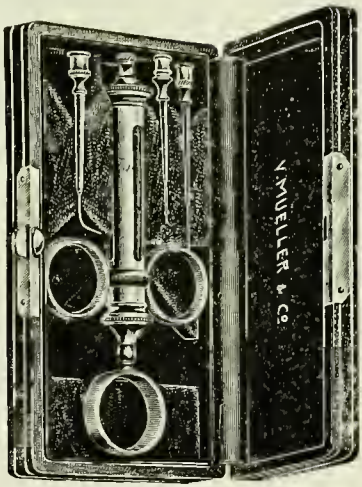
DENTAL FORCEPS

M-5095	Root forceps, straight	$1 50
M-5100	Root forceps, half curved	1 50
M-5105	Root forceps, full curved, lower	1 50
M-5110	Root forceps, upper universal	1 50
M-5115	Molar forceps, upper or universal	1 50
M-5120	Incisor forceps, straight upper	1 50
M-5125	Incisor forceps, curved lower	1 50
M-5130	Molar forceps, lower either side	1 50
M-5135	Molar forceps, upper, right	1 50
M-5140	Molar forceps, upper left	1 50
M-5145	Molar forceps, upper or universal, curved handles	1 50
M-5150	Molar forceps, lower, either side	1 50
M-5155	Molar forceps, lower, right	1 50
M-5160	Molar forceps, lower, left	1 50
M-5165	Root forceps, upper back, bayonet	1 50

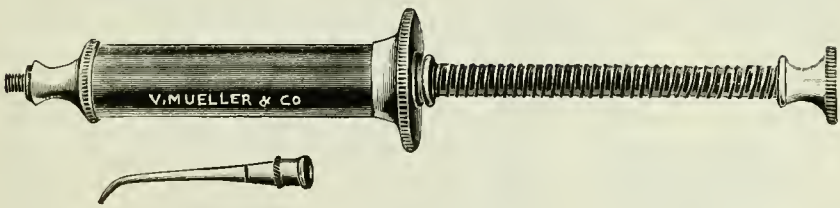
Do not mutilate catalogue.—Specify section letter and number in ordering.



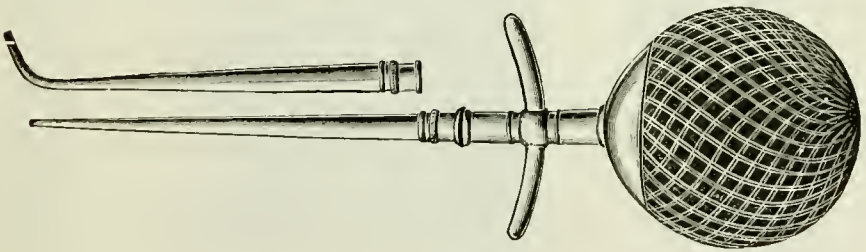
M-5170



M-5175



M-5180

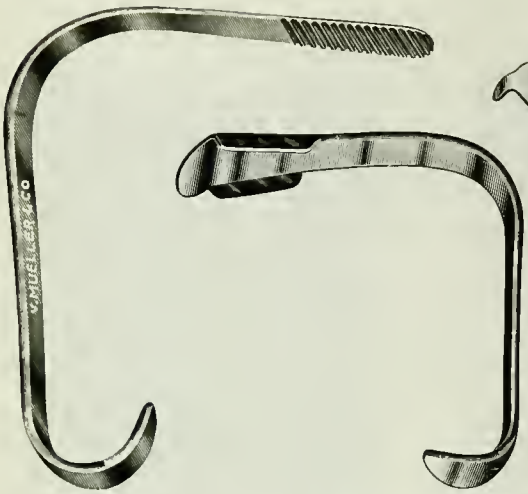


M-5185

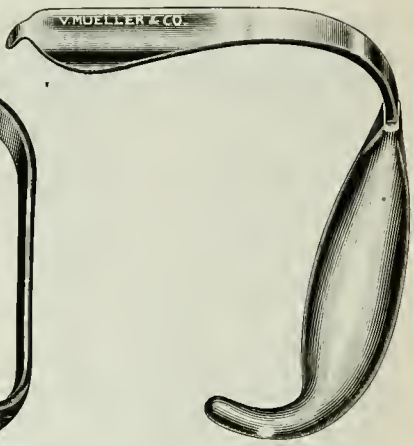
DENTAL SYRINGES

M-5170	Dental injection syringe, Hercules', very powerful and durable, in case, complete	$2 00
M-5175	Dental injection syringe, with three rings and three fine points, in case, complete	2 00
M-5180	Dental water syringe, automatic	1 00
M-5185	Dental water syringe, with bulb and two points	1 00

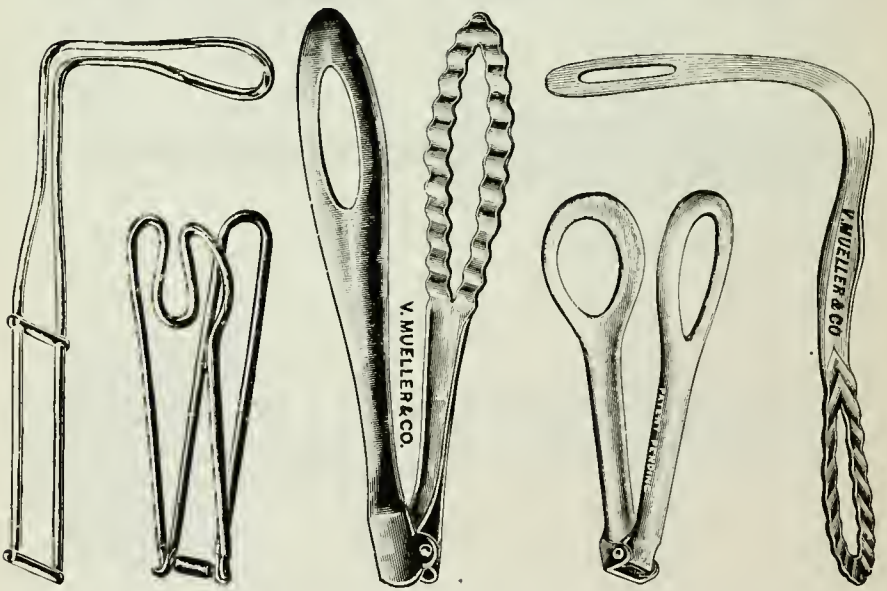
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5190 M-5195



M-5200

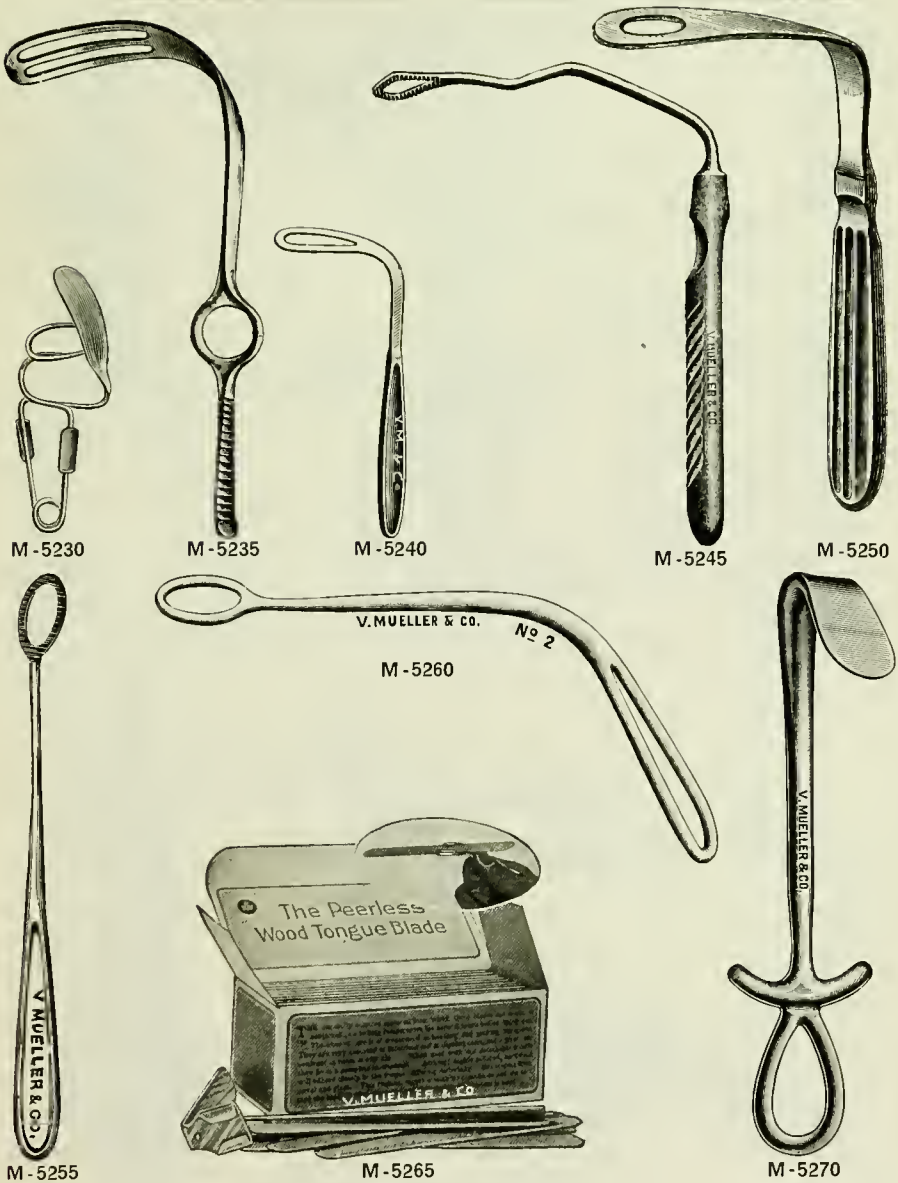


M-5205 M-5210 M-5215 M-5220 M-5225

TONGUE DEPRESSORS

M-5190	Tongue depressor, Andrew's, made of tempered steel, with plain or serrated blade	$1 10
M-5195	Tongue depressor, Andrew-Pynchon's, with flanges on side	1 35
M-5200	Tongue depressor, Stevenson's, with flanges on side	2 00
M-5205	Tongue, depressor, DeViibiss, wire	50
M-5210	Tongue depressor, folding, Clayton's	30
M-5215	Tongue depressor, Steven's, folding, wrought metal	60
M-5220	Tongue depressor, plain, wrought metal, folding	35
M-5225	Tongue depressor, Sass', wrought metal	1 00

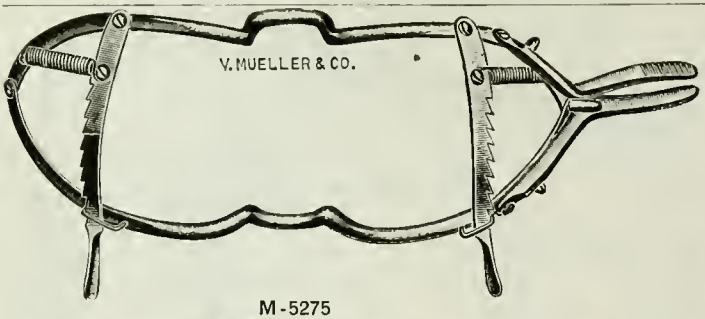
Do not mutilate catalogue.—Specify section letter and number in ordering.



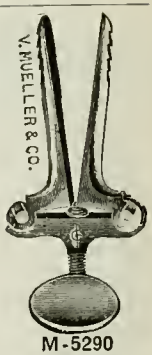
TONGUE DEPRESSORS—Continued

M-5230	Tongue depressor, self-retaining, Stehman's	$1 10
M-5235	Tongue depressor, Pynchon's	1 00
M-5240	Tongue depressor, Bosworth's, with long handle	90
M-5245	Tongue depressor, Layman's	1 50
M-5250	Tongue depressor, Bosworth's improved	75
M-5255	Tongue depressor, Pierce's, straight	50
M-5260	Tongue depressor, Pierce's, for tonsil work, tempered steel, curved	1 10
M-5265	Tongue depressors, made of wood, eight dozen in box, with handle	30
M-5270	Cheek retractor, Pierce's	1 75

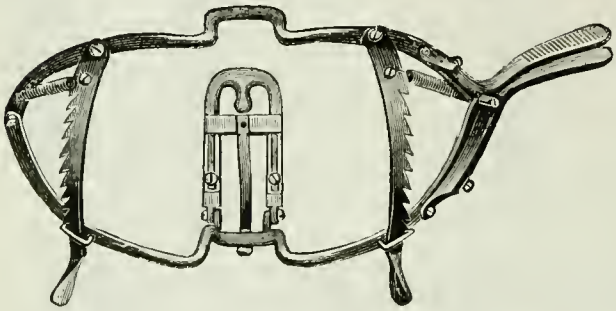
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5275



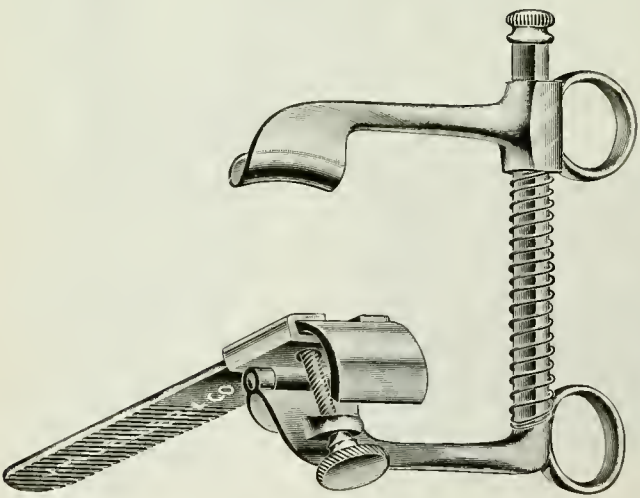
M-5290



M-5280



M-5295



M-5285

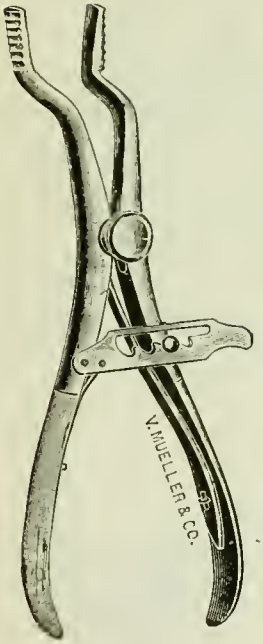


M-5300

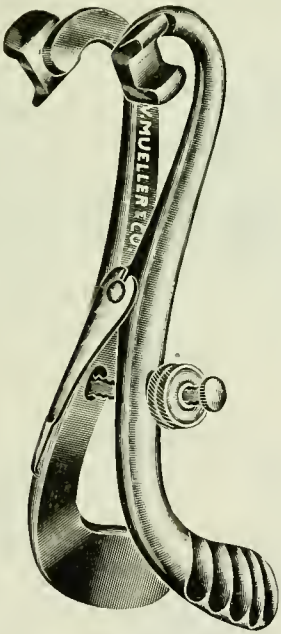
MOUTH GAGS

M-5275	Mouth gag, Whitehead's, made in two sizes for adults and children, each	$5 00
M-5280	Mouth gag, Whitehead's, with tongue depressor two sizes, each	6 75
M-5285	Mouth gag, Brandt's modification of Stubb's, with two tongue depressors, made of tempered steel	4 50
M-5290	Mouth gag, Heister's	2 50
M-5295	Mouth gag, Jansen's, with anaesthetic tube for giviog chloroform or ether	6 50
M-5300	Oral screw, hard rubber	60

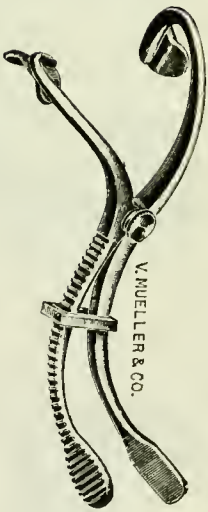
Do not mutilate catalogue.—Specify section letter and number in ordering.



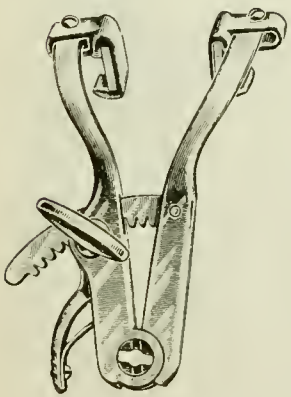
M-5305



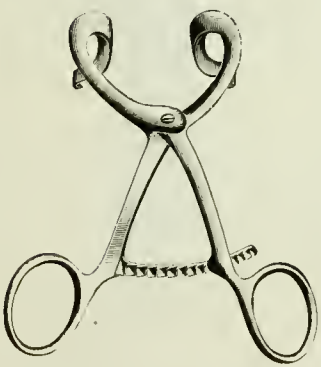
M-5310



M-5315



M-5320



M-5325

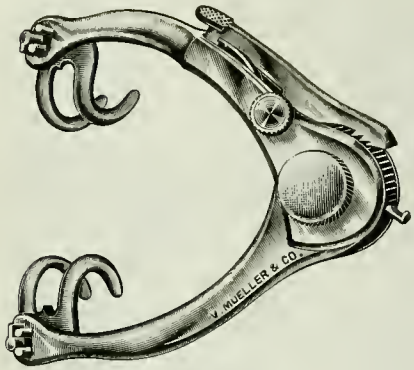


M-5330

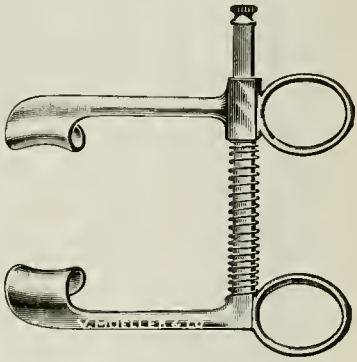
MOUTH GAGS—Continued

M-5305	Mouth gag, Roser's	$4 50
M-5310	Mouth gag, Pierce's	4 00
M-5315	Mouth gag, O'Dwyer's	3 00
M-5320	Mouth gag, Pynchon's	6 50
M-5325	Mouth gag, Doyen-Jansen's	4 00
M-5330	Mouth gag, Ferguson's	3 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



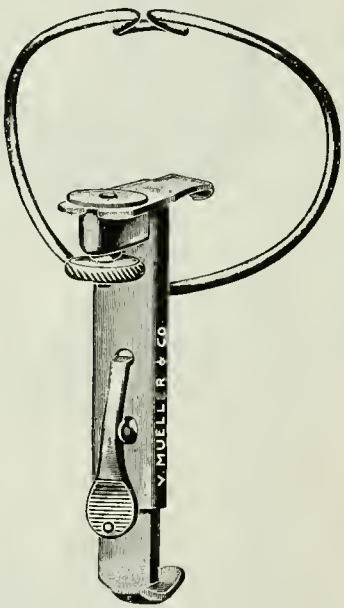
M-5335



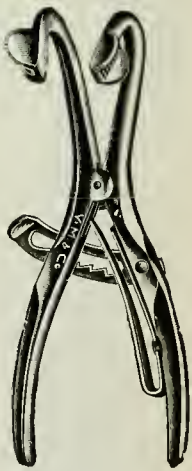
M-5340



M-5345



M-5350

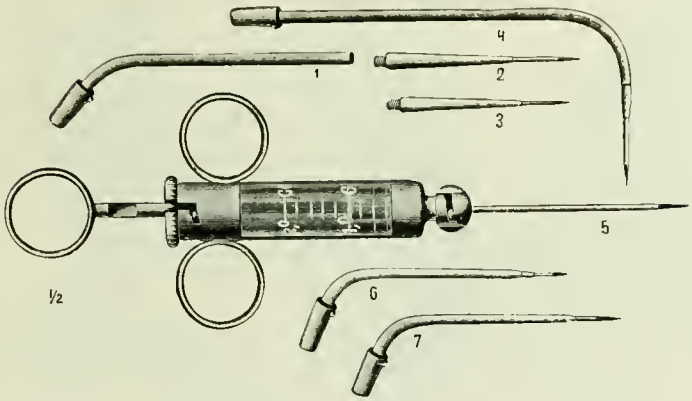


M-5355

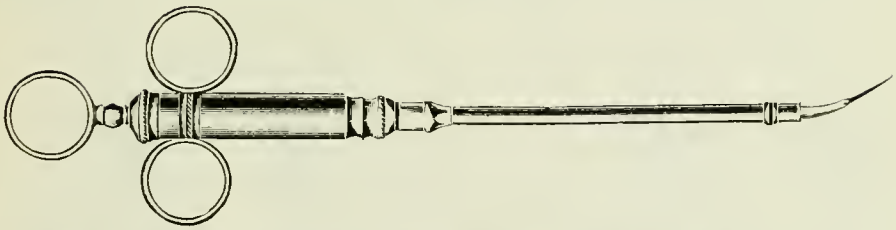
MOUTH GAGS—Continued

M-5335	Mouth gag, Dean's (new model) for use in front of mouth, bite blocks lead covered and adjustable	$5 75
M-5340	Mouth gag, Stubb's, modification of Murdock's	2 50
M-5345	Mouth gag, Waxham's	3 00
M-5350	Mouth gag, Sewall's, with two tongue depressors	8 50
M-5355	Mouth gag, Denhart's latest improved model best grade	2 00
M-5360	Mouth gag, Denhart's, original model	1 60

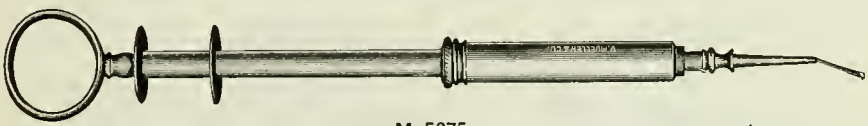
Do not mutilate catalogue.—Specify section letter and number in ordering.



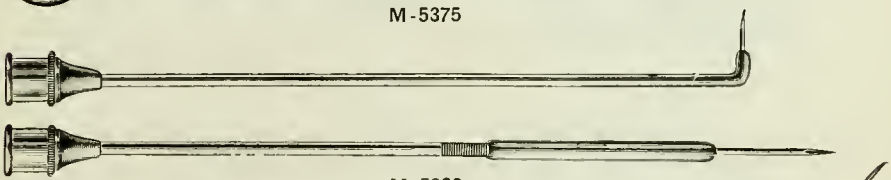
M-5365



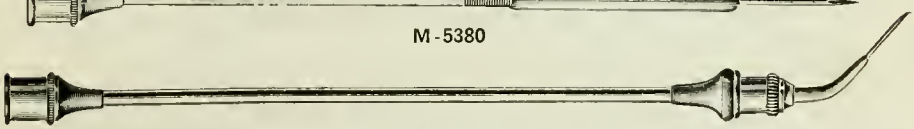
M-5370



M-5375



M-5380

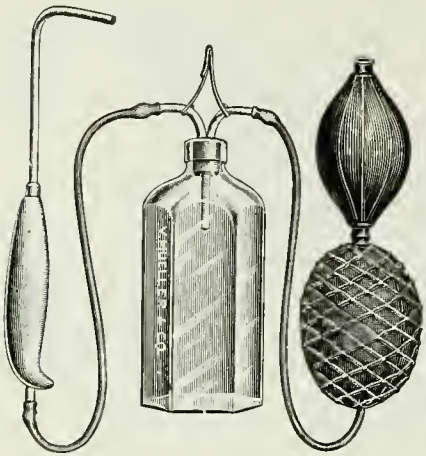


M-5385

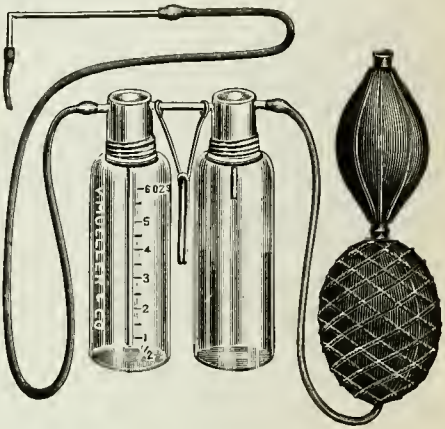
TONSIL SYRINGES AND TONSIL NEEDLES

M-5365	Syringe "Record," glass barrel and "ground in" metal plunger, with extensions on needles for use in injecting tonsils, larynx and the nose, complete in metal case	$10 50
M-5370	Syringe for injecting tonsils, Beck's, with straight and curved needle	2 50
	Extra needles, straight, curved or right angle, each	20
M-5375	Syringe for injecting tonsils, Pynchon's, with three points in case	3 50
M-5380	Needles for injecting tonsils, right angle, $0 90; straight with adjustable stop	1 25
M-5385	Syringe extension for injecting tonsils, with curved, straight or right angle needle	75

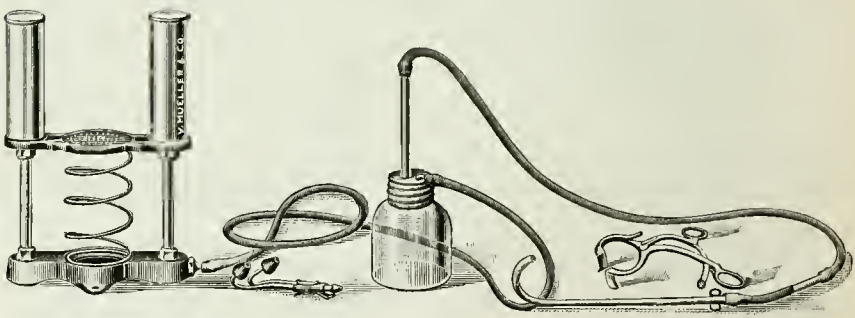
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5390



M-5395



M-5400

ANAESTHETIC APPARATUS

M-5390 Inhaler, Killian-Bucbanan, for chloroform or ether $7 50

M-5395 Inhaler, Brophy's latest improved pattern, with two bottles, graduated bottle intended for ether or chloroform, the plain bottle as a reservoir for vapor. The bulb is to be connected to the graduated bottle. Capacity of bottles six ounce. Complete as shown..... 9 00

Price of rubber foot pump or foot pump such as shown with figure 5400 furnished upon application.

M-5400 Inhaler, Miller's, for chloroform or ether, consisting of foot pump, container for anaesthetic, curved metal tube, mouth gag with anaesthetic connection and double adjustable nose piece. Complete 22 50

M-5400A Inhaler for chloroform, Junker's, with face mask and double bulb, not illustrated 9 00

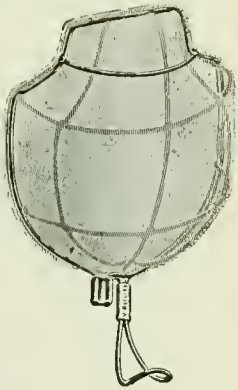
Do not mutilate catalogue.—Specify section letter and number in ordering.



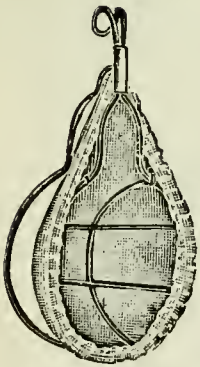
M-5405



M-5410

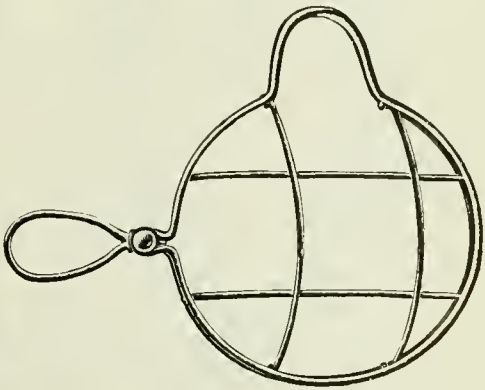


M-5415

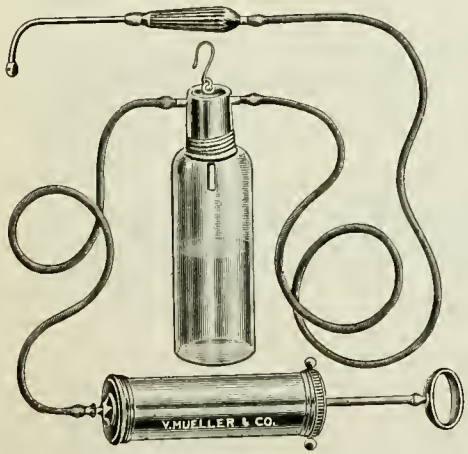




M-5420



M-5425



M-5430

ANAESTHETIC AND SUCTION APPARATUS

M-5405 Nitrous oxide gas apparatus, Clark-Hurd. This apparatus provides a safe means of adminstering nitrous oxide gas. Gas is now considered the safest and most satisfactory anaesthetic known. Price without cylinders $30 00

For latest type of this apparatus see page 223, figure N-5.

M-5410 Drop bottle for chloroform, Hahn's, with stop-cock..... $1 25

M-5415 Inhaling mask, Jordan's, specially adapted for operations on the eye 1 00

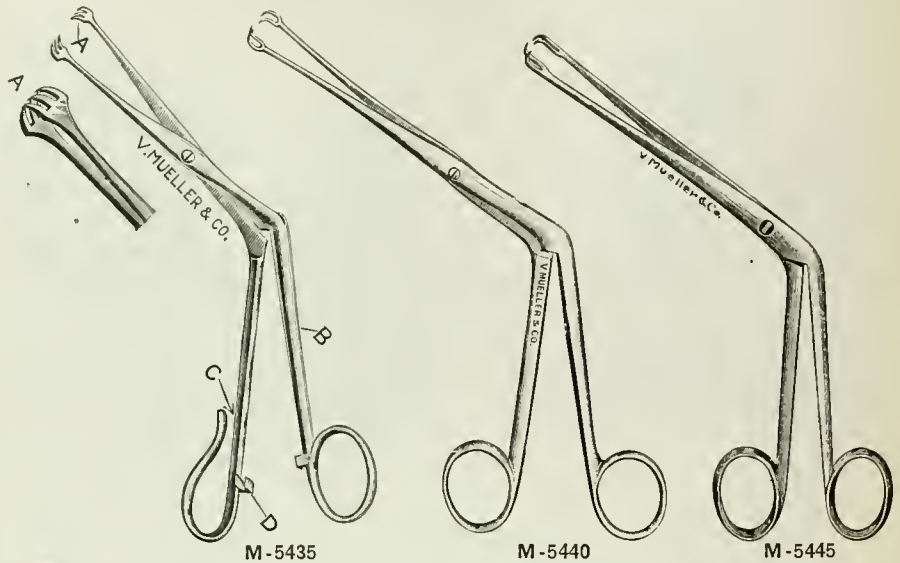
M-5420 Inhaler, Esmarch's, complete as illustrated 75

M-5425 Inhaler, chloroform, Ochsner's, $1 00; folding 1 25

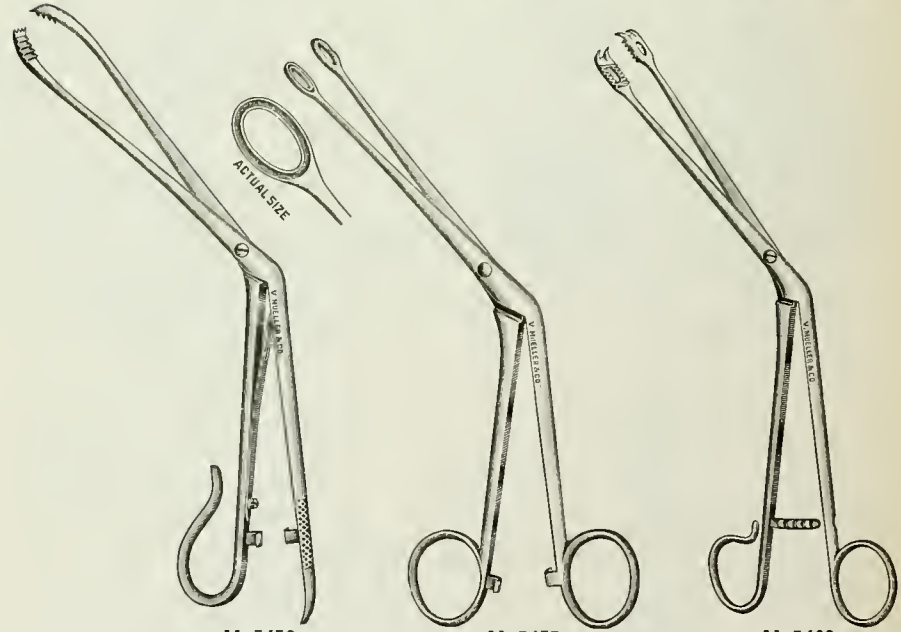
For other inhaling apparatus see Section N.

M-5430 Aspirator, Pynchon's, for removing blood and mucous from the field of operation.. 9 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5435 M-5440 M-5445

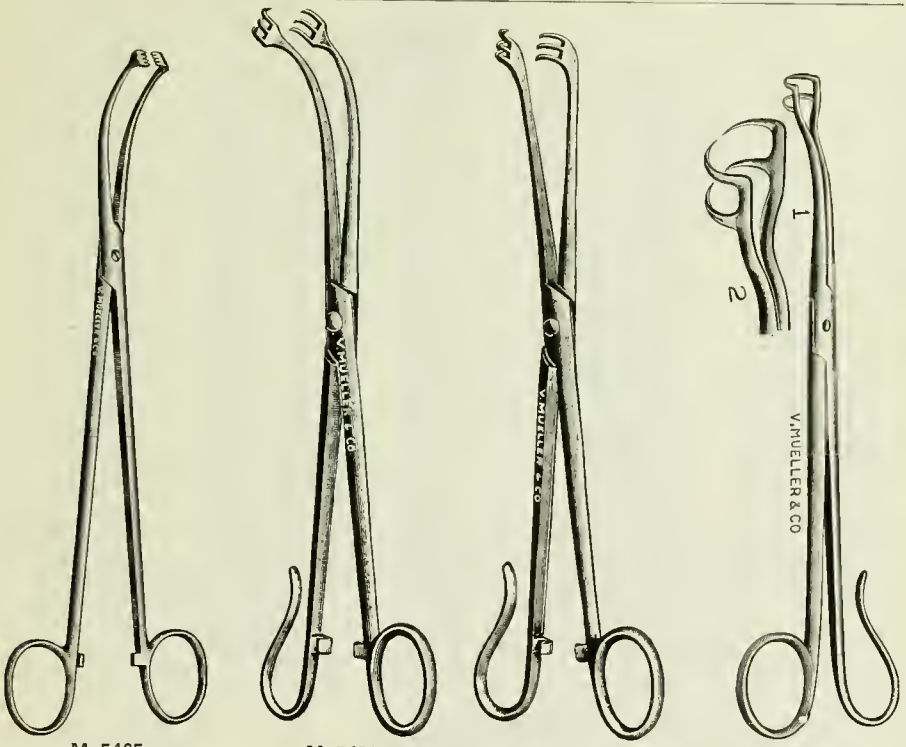


M-5450 M-5455 M-5460

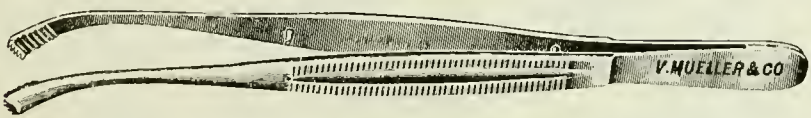
TONSIL FORCEPS

M-5435	Tonsil forceps, Tivnen's, angular	$3 00
M-5440	Tonsil forceps, Tyding's, $2 00; with catch	2 40
M-5445	Tonsil forceps, Watson's	2 50
M-5450	Tonsil forceps, Richards-Moraweck's	3 25
M-5455	Tonsil forceps, Mial's	2 75
M-5460	Tonsil forceps, Boettcher's, with bull-dog jaw	3 25

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5465 M-5470 M-5475 M-5480



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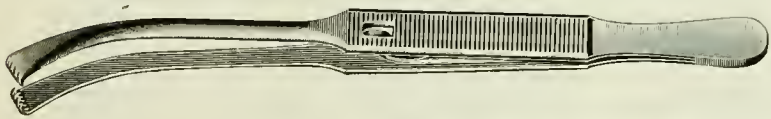

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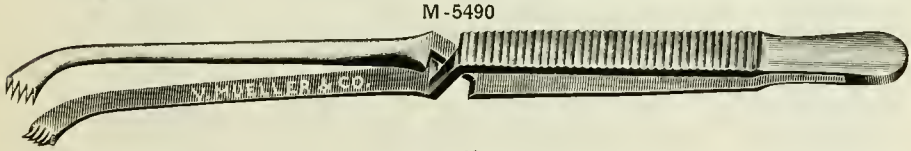


M-5495

TONSIL FORCEPS—Continued

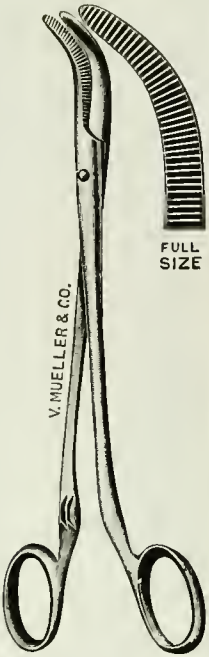
M-5465	Tonsil forceps, White's, with open ring like figure 5470	$2 50
M-5470	Tonsil forceps, Ballenger's	2 25
M-5475	Tonsil forceps, Andrew-Pierce	2 25
M-5480	Tonsil forceps, Casselberry's	2 75
M-5485	Tonsil forceps, Pynchon's	2 50
M-5490	Tonsil forceps, Robertson's	3 00
M-5495	Tonsil forceps, Hager's, automatic	2 50

Do not mutilate catalogue.—Specify section letter and number in ordering.


M-5500



M-5505

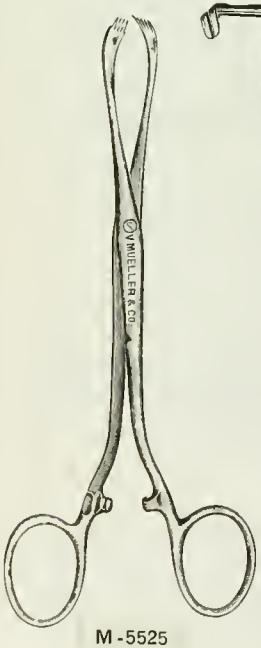


M-5510



M-5515


M-5520



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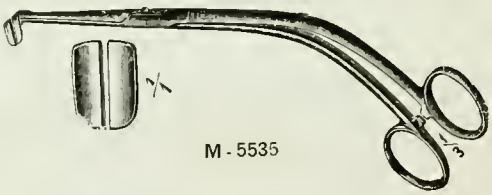

M-5535

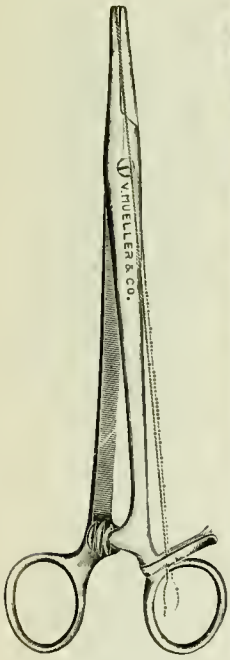


M-5530

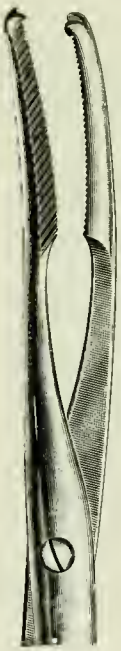
TONSIL AND UVULA FORCEPS

M-5500	Forceps, Boettcher's, for holding uvula out of field of operation	$2 75
M-5505	Forceps, bayonet pointed, Sawtell's, for grasping submerged tonsils and controlling hemorrhage	2 50
M-5510	Haemostat, Dean's, for controlling hemorrhage	2 50
M-5515	Tonsil forceps, Swan's, with automatic catch	3 50
M-5520	Tonsil forceps, Richard's with automatic catch	3 00
M-5525	Tonsil artery forceps, Stevenson's	1 25
M-5530	Tonsil grasping forceps, Dean's, small pronged	2 25
M-5535	Pillar separator, Ingal's	3 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



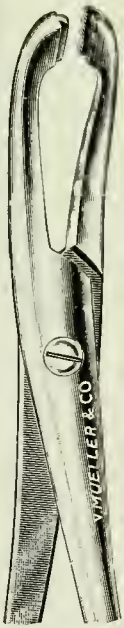
M-5550



M-5555



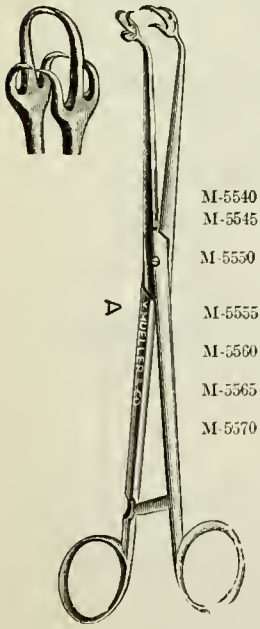
M-5560



M-5565



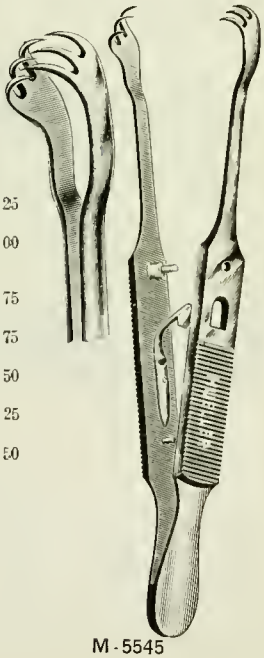
M-5570



M-5540

TONSIL FORCEPS AND HAEMOSTATS

M-5540	Tonsil forceps, McWhinnie's	$3 25
M-5545	Tonsil forceps, Colliver's, with spring or slide catch	3 00
M-5550	Haemostat, Schoemaker-Rosenheim, for ligating tonsilar arteries, 7½ inch	3 75
M-5555	Sponge forceps and haemostat, Pierce's, 7¼ inch	1 75
M-5560	Tonsil haemostat, Jackson's, 8½ inch	2 50
M-5565	Tonsilar angiotribe, Beck's, 6¼ inch	2 25
M-5570	Tonsil sponge forceps, Ballenger's, 7 inch	1 50



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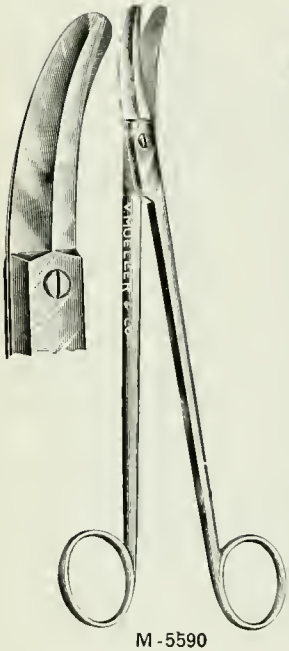
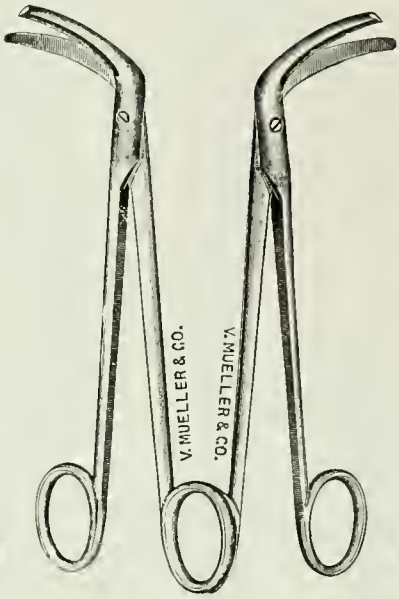
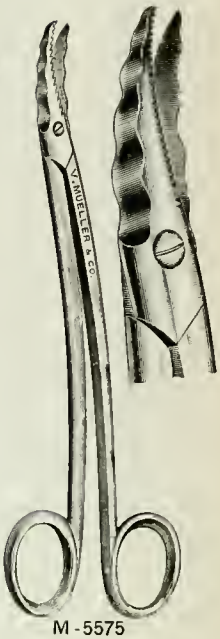


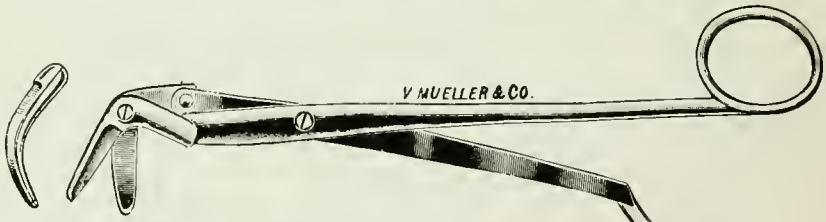
M-5590



M-5580



M-5575



M-5595

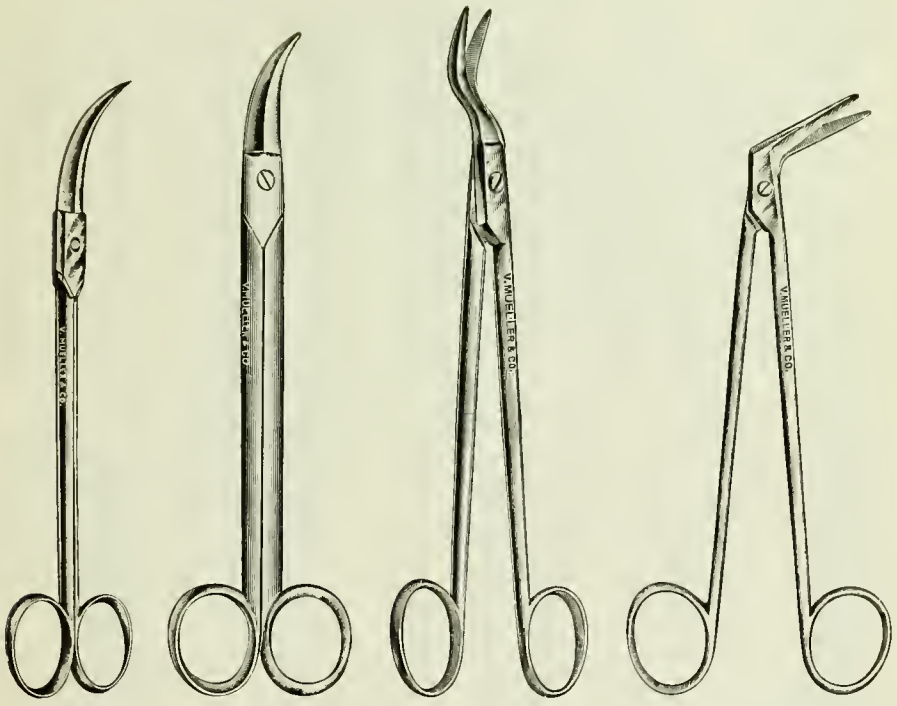


M-5600

TONSIL SCISSORS

M-5575	Tonsil scissors, Windle's, serrated edge and blades wave-edged on back	$4 00
M-5580	Tonsil scissors, Farrell's, right and left, each	4 00
M-5585	Tonsil scissors, Kirkpatrick's, similar to Farrell's, but curved at a less acute angle, right and left, not illustrated, each	3 00
M-5590	Tonsil scissors, Boettcher's, outside of blades in front sharpened so scissor can be used as a dissector	3 00
M-5595	Tonsil scissors, alligator pattern, Robertson's, made in two sizes for adults and children, right and left, each	8 00
M-5600	Tonsil scissors, Metzenbaum's	2 75

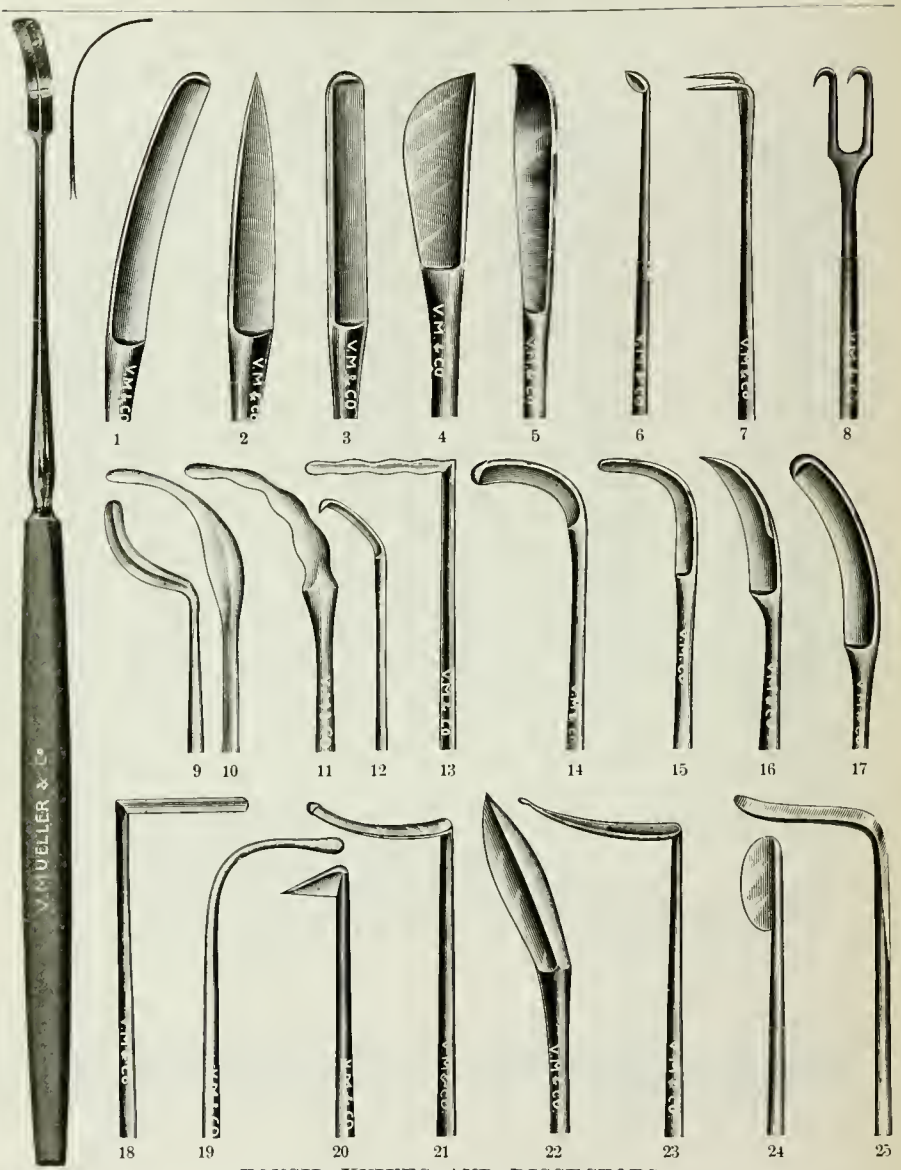
Do not mutilate catalogue.—Specify section letter and number in ordering.



TONSIL SCISSORS—Continued

M-5605	Tonsil scissors, Yankauer's, serrated edges	$3 50
M-5610	Tonsil scissors, Prince's	3 00
M-5615	Tonsil scissors, Stevenson's, bayonet shaped round shanks, to prevent the lips from being caught between shanks	4 25
M-5620	Tonsil scissors, angular bent with round shanks like figure 5615	3 50
M-5625	Tonsil scissors, Griffin's	3 25
M-5630	Tonsil scissors, Dean's	2 25

Do not mutilate catalogue.—Specify section letter and number in ordering.

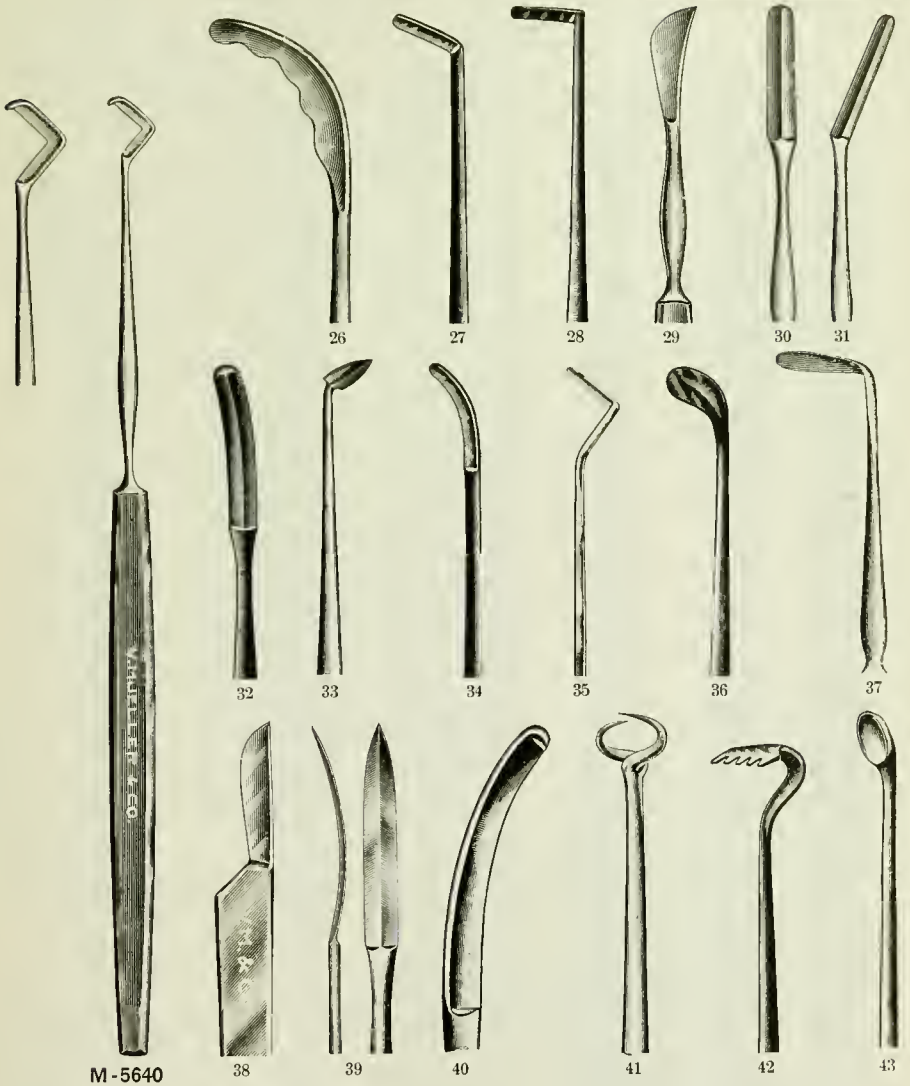


M-5635

TONSIL KNIVES AND DISSECTORS

M-5635 Robertson's, double edge $1 75
Bistouries, figures 1, 2, 3, 16 and 17, each 1 75
Beck's, figure 4..... 1 75
Freer's, figure 5, right and left, each.. 1 75
Curette, Abraham's, figure 6..... 1 75
Hook, Boettcher's, figure 7..... 1 65
Tenacula, double, figure 8..... 1 50
Hager's, figure 9, curved backwards.... 1 75
Robertson-Allport's, figure 10..... 1 75
Allport's, wave-edged, figure 11..... 1 75
Beeman-Douglas, figure 12..... 1 75
Swan's, wave-edged or plain, figures 13 and 18, each $1 75
Killian's, figure 14 ..... 1 75
Tyding's, figure 15 ..... 1 75
Dissectors, blunt, figure 19, Schmidt's, figure 25, Pond's, each..... 1 50
Kyle's, figure 20 ..... 1 75
Leland's original, figure 21, and Leland's latest model figure 23, each.... 1 75
Pynchon's, figure 22 ..... 1 75
Ballenger's, figure 24 ..... 1 75

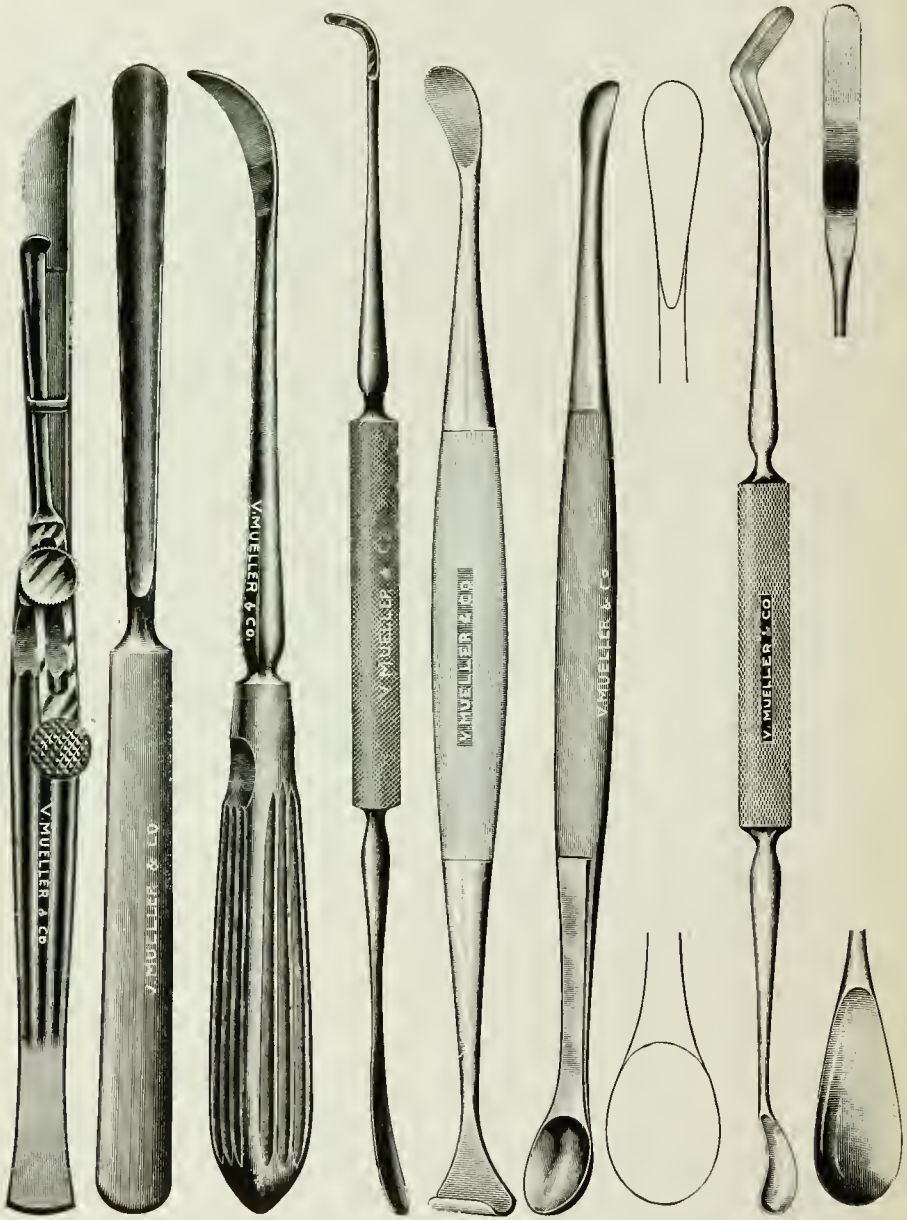
Do not mutilate catalogue.—Specify section letter and number in ordering.



TONSIL KNIVES AND DISSECTORS—Continued

M-5640 Kling's, latest model $2 25
Gwinn's, wave-edged, figure 26..... 2 00
Day's, angular, figure 27..... 1 75
Day's, right angle, figure 28..... 1 75
Beck's, latest model, small blade, figure 29 ..... 1 75
Dean's, double edged, figure 30 straight, figure 31 angular bent, each..... 2 00
Seiler's, double edged, half curved, figure 32 ..... 2 00
Freer's, heart shaped, right angle, figure 33 ..... 2 50
Day's, half curved, figure 34..... 1 75
Stevenson's, angular, figure 35..... 1 75
Carney's, thin sharp blade, straight, figure 36 ..... $1 75
Freer's, thin sharp blade, right angle, figure 37 ..... 1 75
Ballenger's, two sizes, small size illustrated, figure 38 ..... 1 75
Good's, double edged, slightly curved, figure 39 ..... 2 00
Hobb's, slightly curved on flat, right and left, figure 40, each..... 2 00
Tenacula, Carter's, figure 41..... 1 50
Dissector, Dickinson's, figure 42..... 2 50
Curette, Ballenger's, figure 43 ..... 1 75

Do not mutilate catalogue.—Specify section letter and number in ordering.

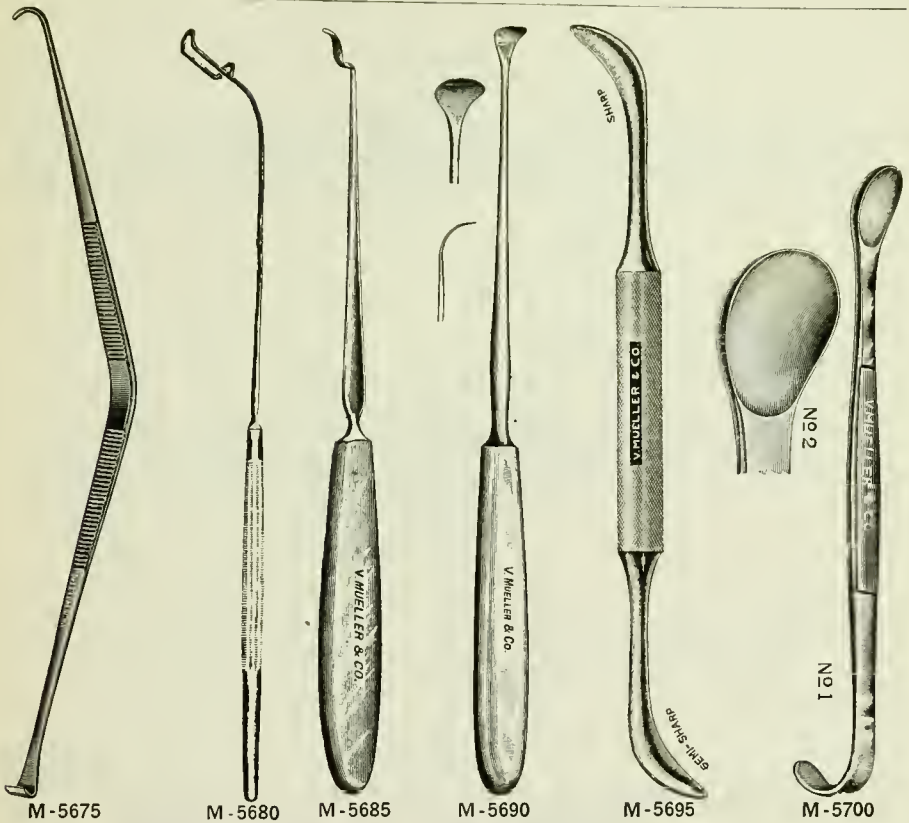


M-5645 M-5650 M-5655 M-5660 M-5665 M-5670 M-5670A

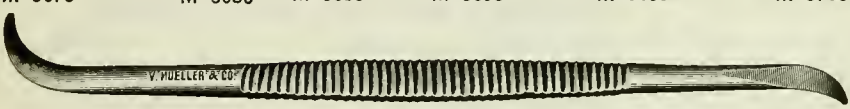
TONSIL KNIVES AND DISSECTORS—Continued

M-5645	Knife, Layman's with adjustable guard	$2 50
M-5650	Blunt dissector, Todd's	2 00
M-5655	Blunt dissector, Yankauer's	2 25
M-5660	Knife and blunt dissector, Tyding-Millette's	2 50
M-5665	Blunt dissector and pillar retractor, Hurd's	2 25
M-5670	Enucleating spoon, McWhinnie's, and blunt dissector, Hurd's, combined	3 00
M-5670A	Enucleating spoon and knife combined, Carpenter's latest model	3 00

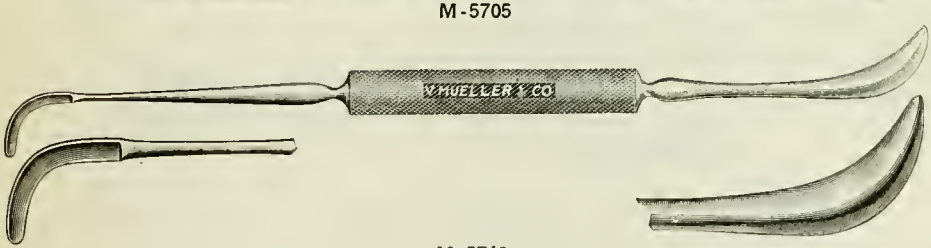
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5675 M-5680 M-5685 M-5690 M-5695 M-5700



M-5705

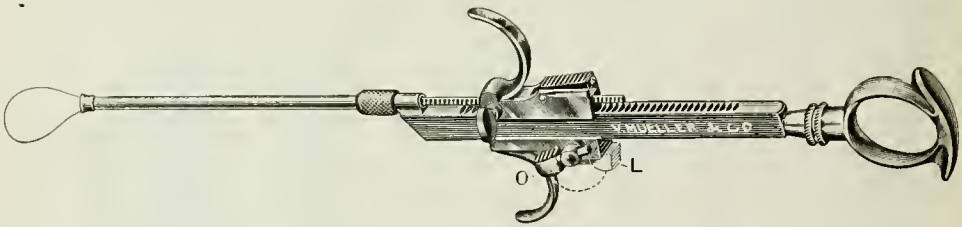


M-5710

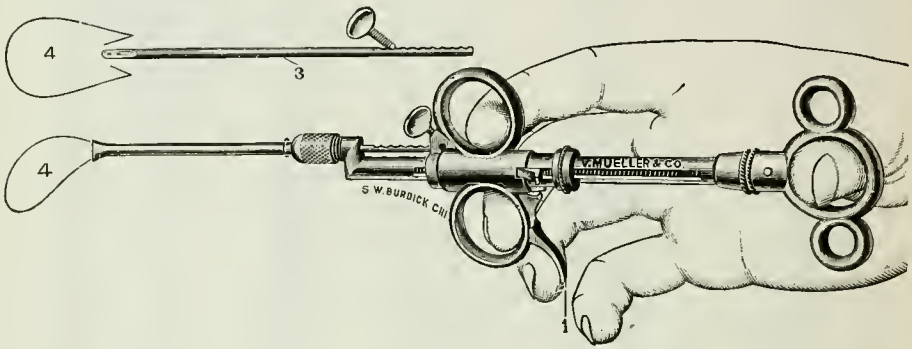
TONSIL KNIVES AND DISSECTORS—Continued

M-5675	Pillar retractor, Wood's	$1 75
M-5680	Pillar retractor, Solenberger's, right and left, two sizes, each	1 50
M-5685	Pillar knife, Hager's	2 00
M-5690	Tonsil knife, Pierce's, made in two sizes, each	1 75
M-5695	Dissector, double ended, sharp and blunt, Greene's	2 50
M-5700	Enucleating spoon, McWhinnie's, latest model	2 50
M-5705	Dissector, double ended, Stolte's, blunt and sharp	2 50
M-5710	Knife and blunt dissector, Harris'	2 75

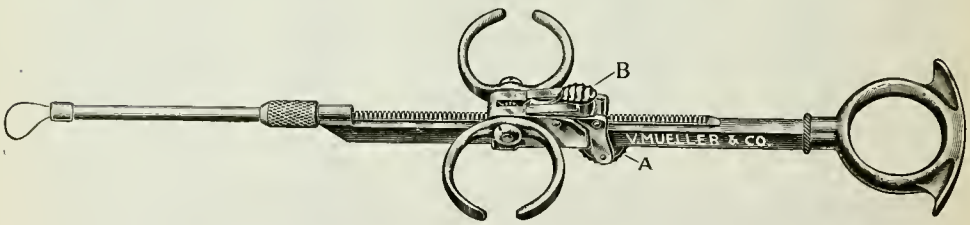
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5715



M-5720



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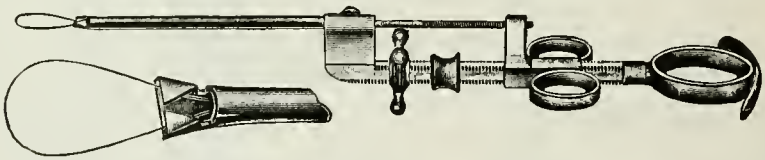

M-5730

TONSIL SNARES

M-5715 Tonsil snare, Pierce-Mueller, latest model $10 00
This snare is very simple and carefully made of steel throughout. It can be locked in any position and converted into an ecraseur. Directions for using accompany instrument.
M-5720 Tonsil snare, Boettcher's modification of Farlow's latest model..... 10 00
M-5725 Tonsil snare, Martin's, with friction clutch and ecraseur attachment..... 9 00
M-5730 Tonsil snare, Pynchon's 9 00

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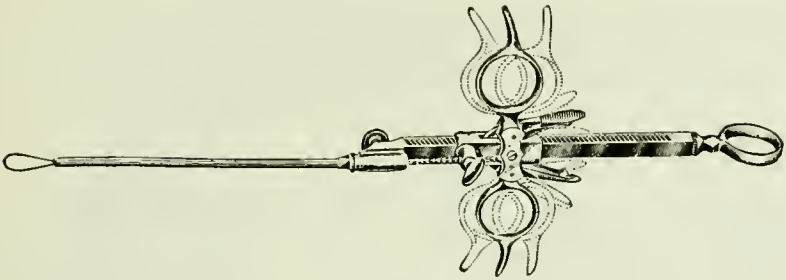
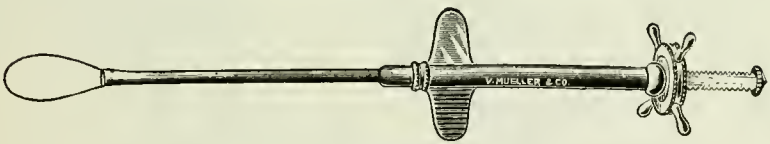


M-5735



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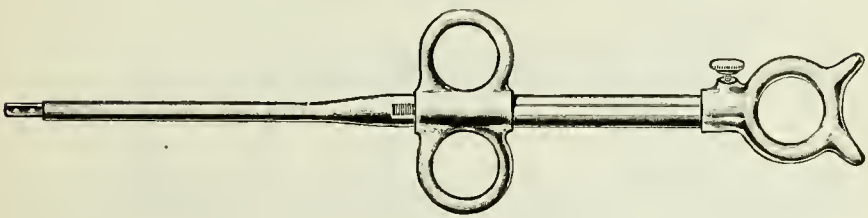

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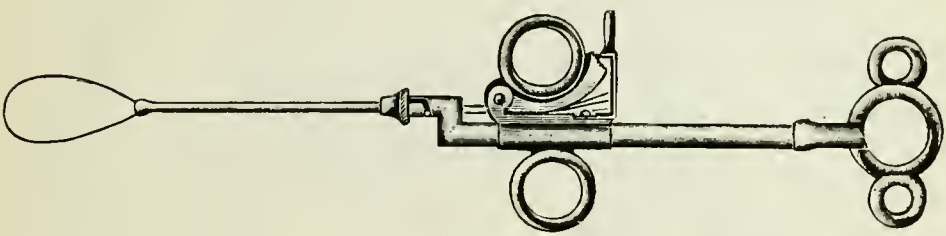

M-5750

TONSIL SNARES—Continued

M-5735	Tonsil snare, Casselberry-Marquis', with two canulas and two wire carriers	$15 00
M-5740	Tonsil snare, Hill's	8 50
M-5745	Tonsil snare, Eves', original	6 50
M-5745A	Tonsil snare, Eves' with ratchet attachment (not illustrated)	7 50
M-5750	Tonsil snare, Welty's, improved model	10 00
	Two dozen wire loops accompany each snare.	
	Extra loops, per dozen	10

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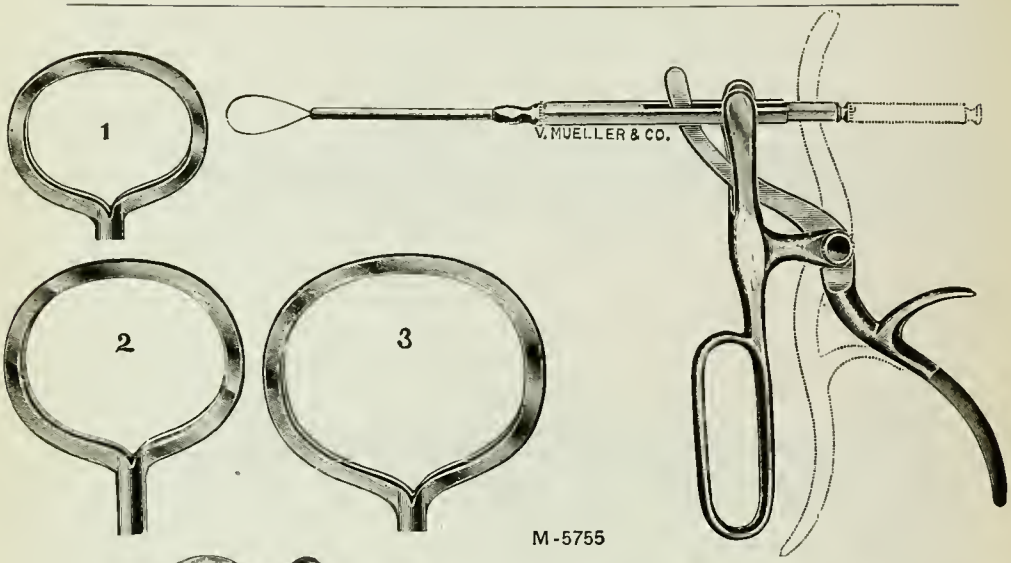
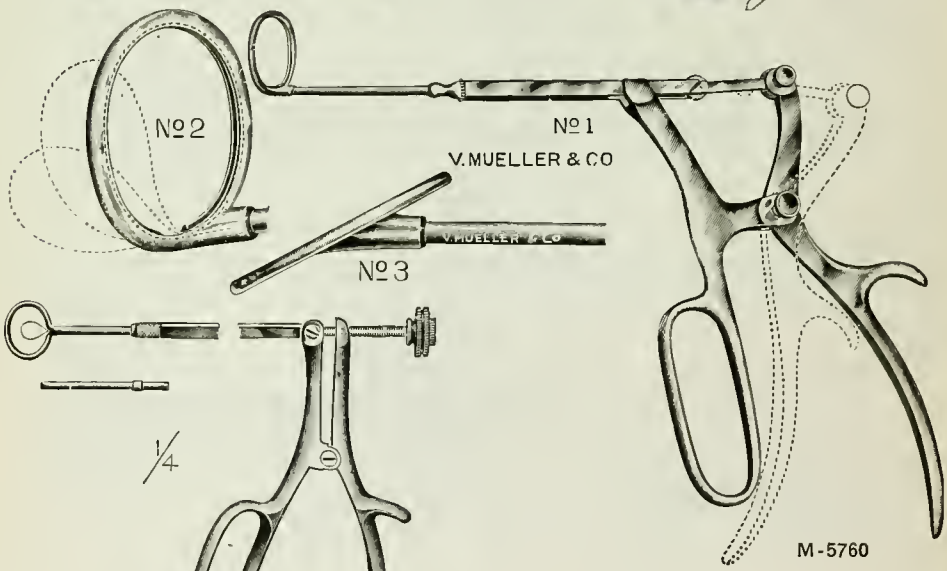


M-5755



M-5760

M-5765

TONSIL SNARES—Continued

M-5755 Tonsil snare, Tyding's latest improved model, net.....$10 00
Figures 1, 2 and 3 represent Vedder loops, one of which accompanies the snare. Medium size is always sent unless otherwise specified.
M-5755A Vedder loops, three sizes, each net $1 50
M-5760 Tonsil snare, Gwinn's, with R. and L. carrying loops, net..... 10 00
As seen from the illustration the wire carrying loops are set at a slant to facilitate the placing of the wire over the tonsils.
M-5765 Tonsil snare, Brown's, with straight tube and Vedder loop..... $7 50

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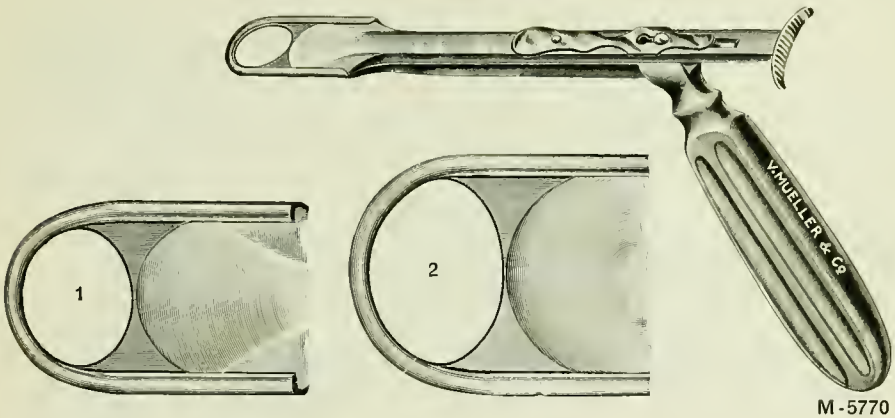
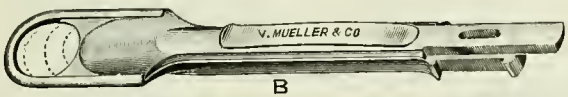


M-5770



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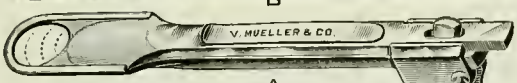
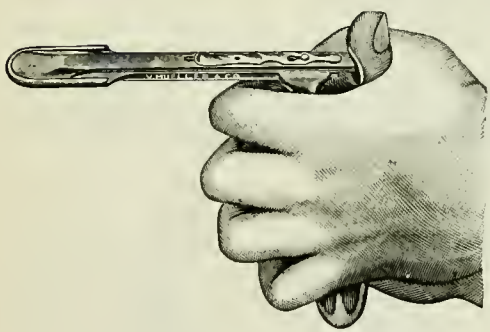
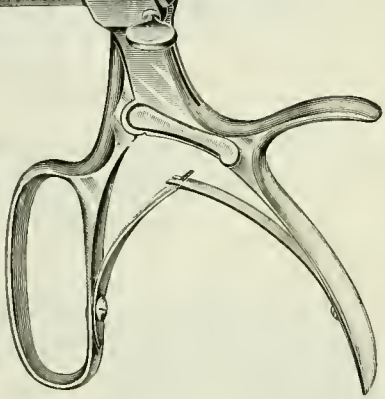


A



M-5770A



M-5775

TONSIL GUILLOTINES

M-5770 The Sluder guillotine for the complete removal of the tonsils with the capsule intact, made in two sizes. Figures 1 and 2 illustrate actual sizes. Each..... $8 50

As considerable pressure is exerted in the removal of tonsils by Dr. Sluder's method, these instruments are made several times as heavy as the old McKenzie tonsillotome. The blade cuts against a soft copper plate instead of through a groove as in McKenzie's instrument.

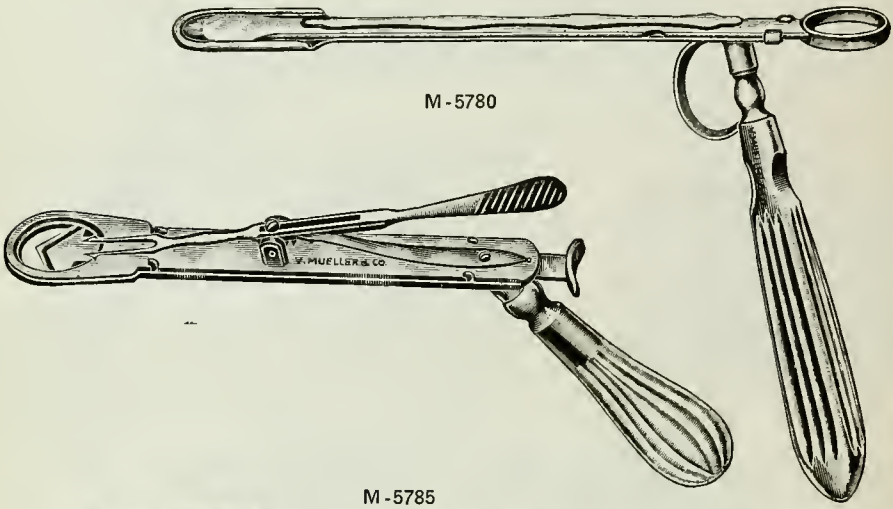
When more strength is required than can be exerted with the thumb, in order to push the cutting blade home, the instrument should be grasped with both hands as shown in figure 5770A.

For technique see Journal of A. M. A., March 25th, 1911, page 867.

M-5775 The Sluder guillotine on powerful handle as made by us for Dr. Ballenger. With two blades, one handle $18 50

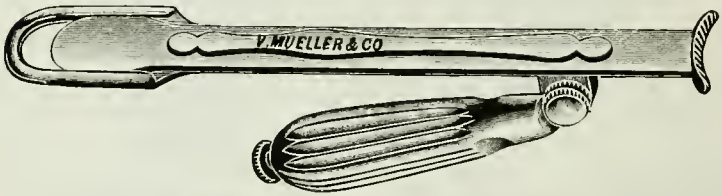
The blades are interchangeable and the change from one blade to another can be accomplished in a moment's time. The guillotines proper are the same in every respect as figure M-5770.

Do not mutilate catalogue.—Specify section letter and number in ordering.

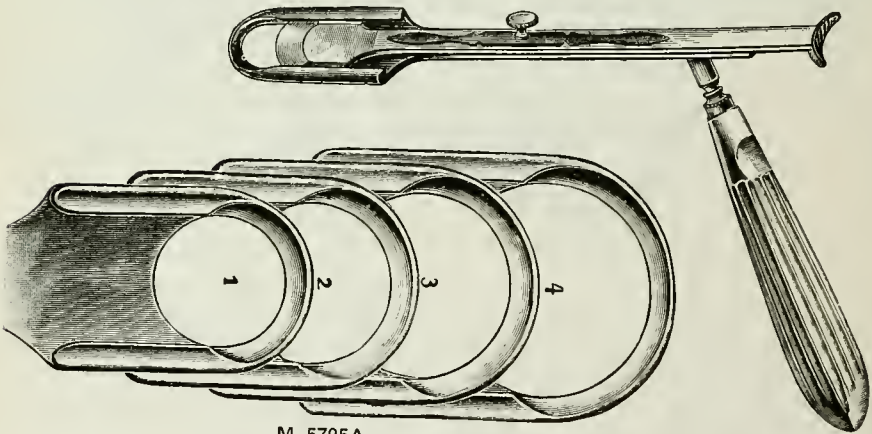


M-5780

M-5785



M-5790



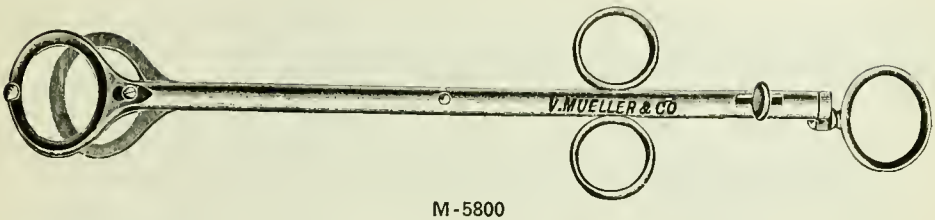
M-5795A

M-5795

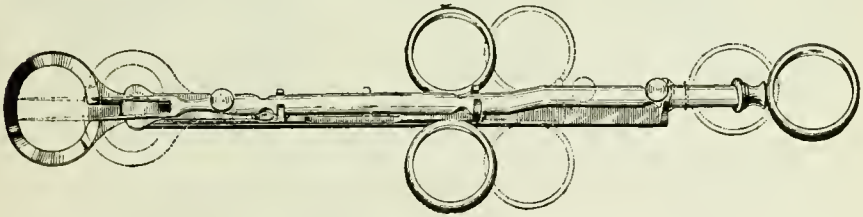
TONSILLOTOMES

M-5780	Tonsillotome, McKenzie's improved with ring, made in three sizes, each	$8 50
M-5785	Tonsillotome, Gun's, modified by Ochsner	10 00
M-5790	Tonsillotome, Bishop's improved, with folding handle, three sizes, each	10 00
M-5795	Tonsillotome, McKenzie's, made in four sizes, illustrations show actual sizes. Each	4 75

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5800



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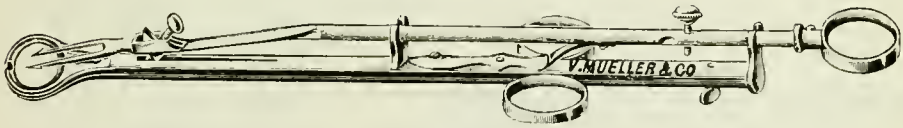
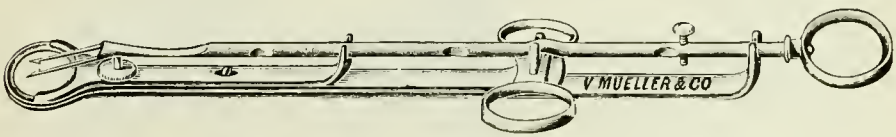
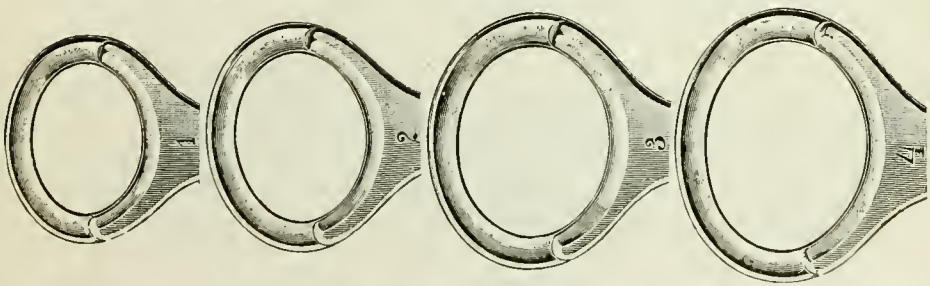


M-5810



M-5810A

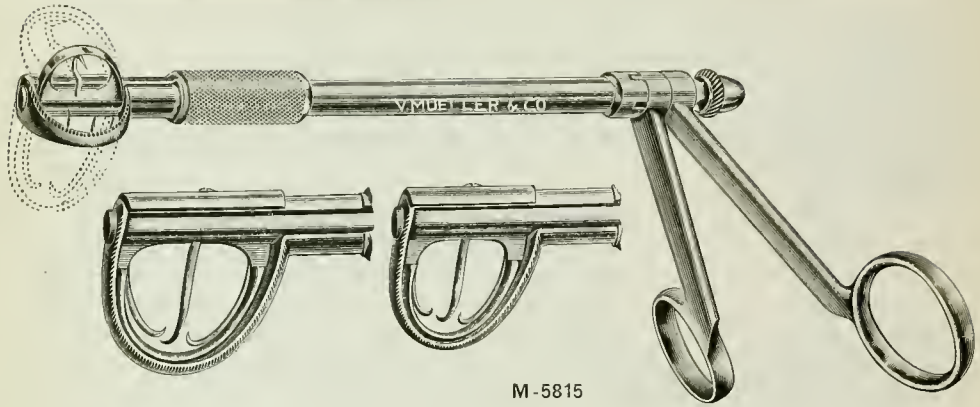


M-5810A

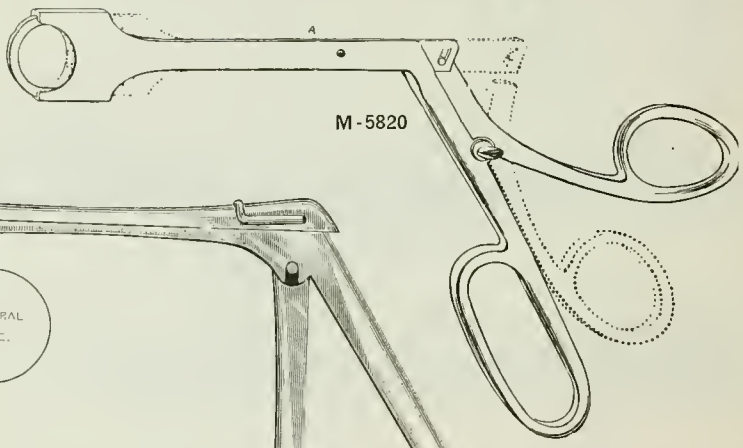
TONSILLOTOMES—Continued

M-5800	Tonsillotome, Casselberry's, made in three sizes, each	$5 00
M-5805	Tonsillotome, Ermold's improved, made in four sizes, each	4 00
M-5810	Tonsillotome, Mathew's original, made in three sizes, each	5 50
M-5810A	Tonsillotome, Mathew's Simplex, made in four sizes, illustrations show actual sizes. Each	4 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5815



M-5820

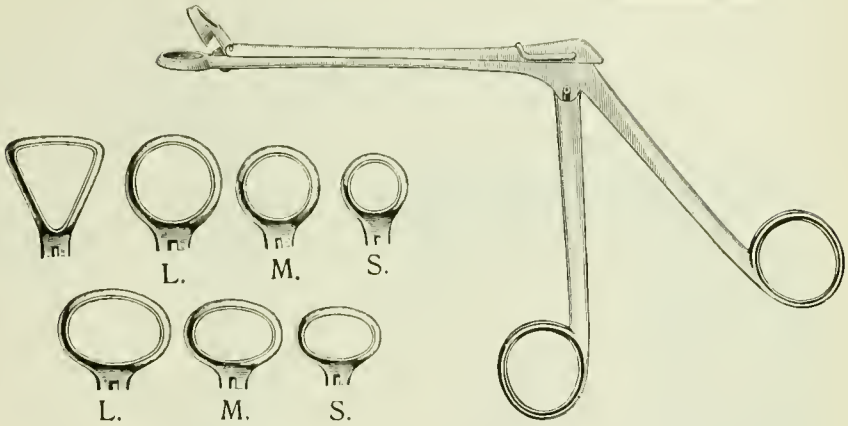
M-5830

M-5825

TONSIL PUNCHES AND ECRASEURS

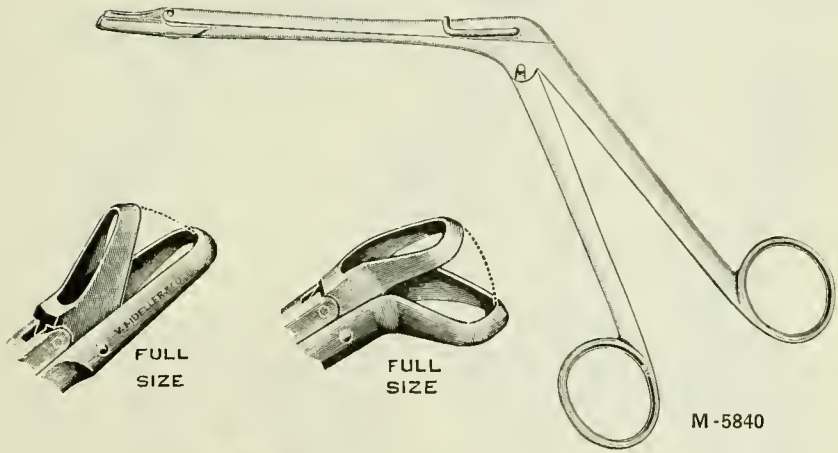
M-5815	Tonsil scissor punch, Roberts-Mueller's latest Improved model, made in two sizes, each	$9 50
M-5815A	Tonsil seissor punch, Roberts-Mueller's, with large and small blade and one handle	15 00
M-5820	Tonsillotome and ecraseur, Ballenger's, with one sharp and one blunt blade	13 50
M-5825	Tonsil punch, Farlow's	9 00
M-5830	Tonsil punch, Farlow-Struyken's, bent upwards	9 50

Do not mutilate catalogue.—Specify section letter and number in ordering.

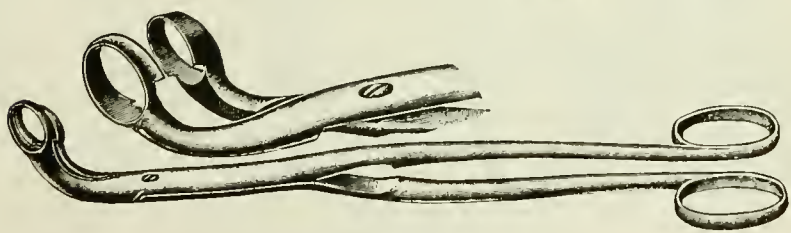


M-5835A

M-5835



M-5840

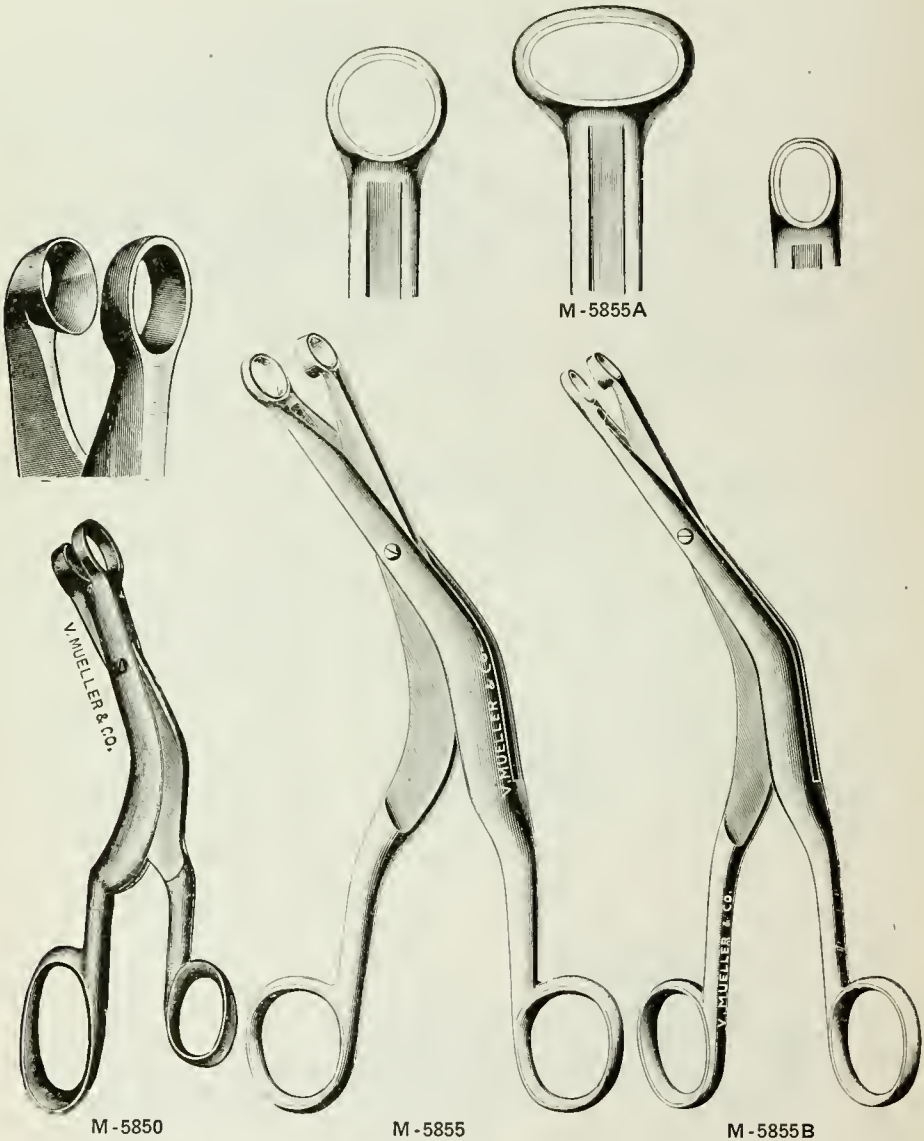


M-5845

TONSIL PUNCHES—Continued

M-5835	Tonsil punch, Hartman's, round, three sizes, large, medium, and small, each	$8 00
M-5835A	Tonsil punch, Hartman's oval, three sizes, large, medium, and small, each	8 50
M-5835B	Tonsil punch, Hartman's, triangular	9 00
M-5840	Tonsil punch, Myles', made straight and right and left; straight, each, $8 50; right and left, each	10 00
M-5845	Tonsil punch, Rhode's	8 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



TONSIL PUNCHES—Continued

M-5850	Tonsil punch, Rault's, small blade on underside	$8 50
M-5855	Tonsil punch, Rault's, made in two sizes, with large ring on one side like figure 5850	8 50
M-5855A	Tonsil punch, Rault's, same as 5855, but with oval cutting blades	9 00
M-5855B	Tonsil punch, Rault's, oval sideways	8 50

The illustrations at top of page show the actual sizes of the cutting blades.
For other tonsil punches, fitting in Universal handle, see page 117.

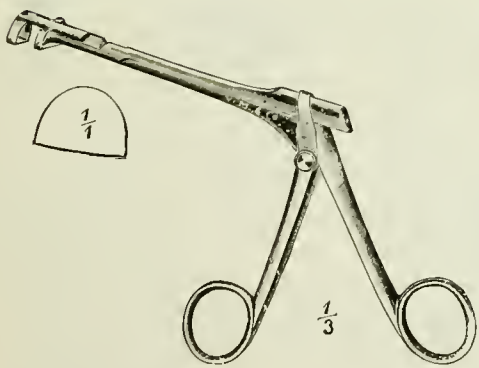
Do not mutilate catalogue.—Specify section letter and number in ordering.



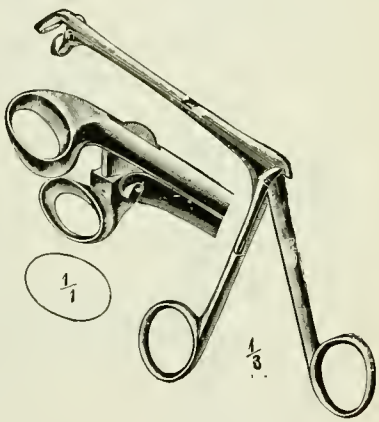
M-5860



M-5865



M-5870

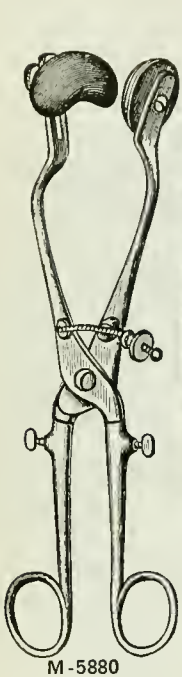


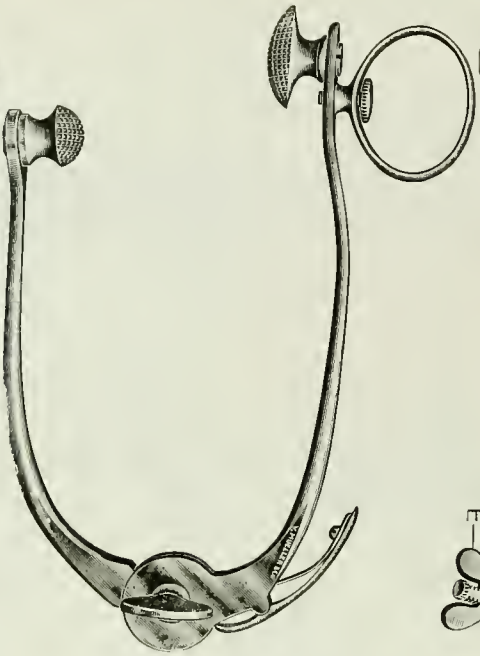
M-5875

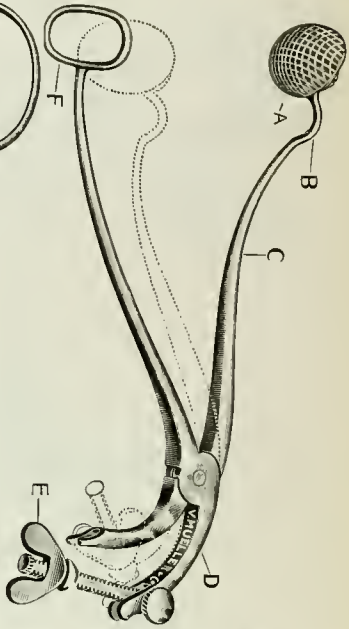
LINGUAL TONSIL INSTRUMENTS

M-5860	Lingual tonsil curette, Wippern's	$3 00
M-5865	Lingual tonsillotome, Myles'	5 00
M-5870	Lingual tonsil punch, Smedens'	10 75
M-5875	Lingual tonsil punch, Cittelly's	10 75

Do not mutilate catalogue.—Specify section letter and number in ordering.

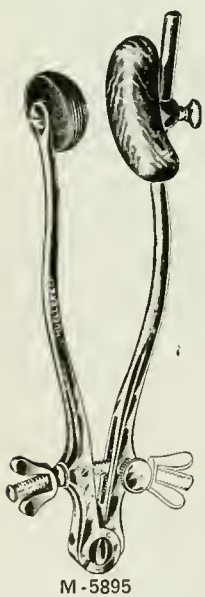

M-5880


M-5885



M-5890

TONSIL HAEMOSTATS


M-5895

M-5880 Tonsil haemostat, Stork's, for controlling post-operative hemorrhages $7 50

M-5885 Tonsil haemostat, Hurd's, with automatic locking device, pads made of aluminum 5 75

M-5890 Tonsil haemostat, Tivnen's. The instrument is so shaped that it can be applied on one side when necessary, while the other tonsil is being removed..... 5 50

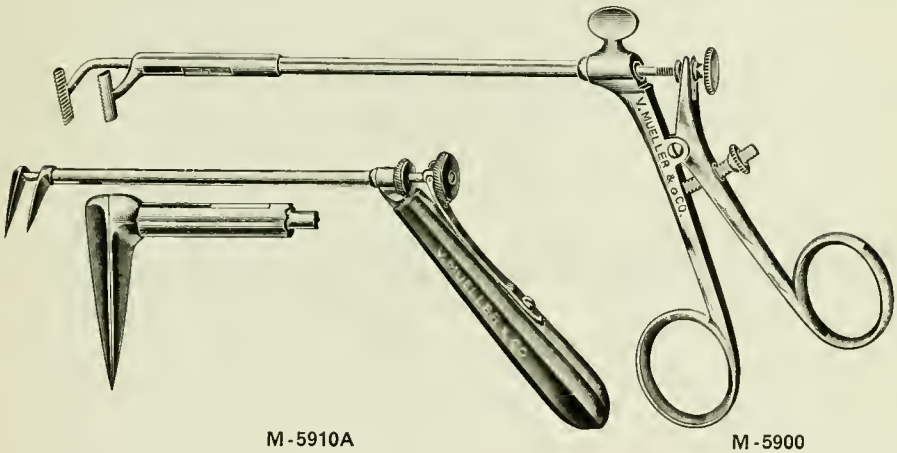
M-5895 Tonsil haemostat, Boettcher's modification of Stork's 4 00

M-5895A Tonsil haemostat, Corwin's, with automatic catch... 5 50

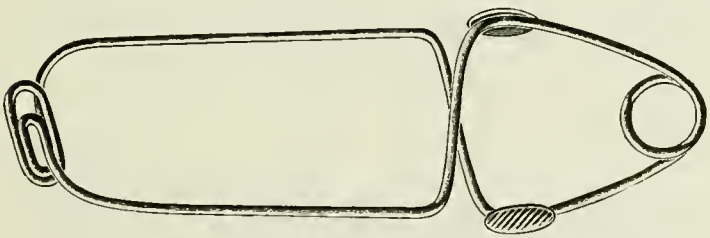


M-5895A

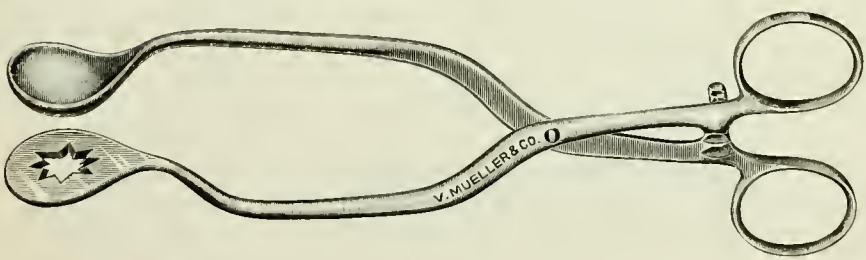
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5910A M-5900



M-5905

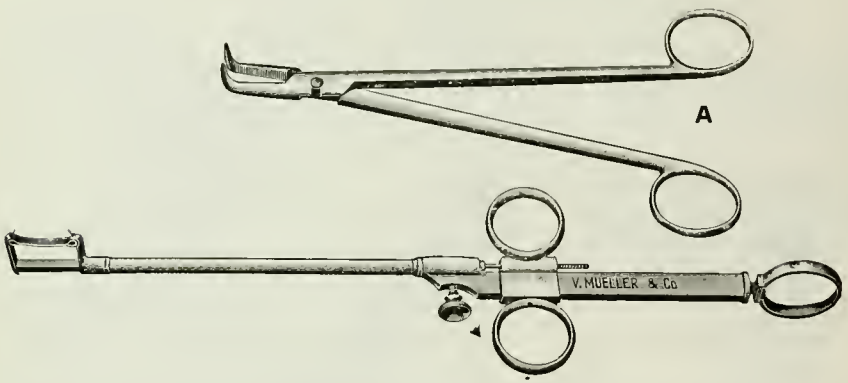


M-5910

TONSIL HAEMOSTATS AND DIVULSORS

M-5900	Tonsil haemostat, Pierce's, can be turned to the right or left, the handles removed and the clamp left in the mouth if necessary	$9 00
M-5905	Tonsil haemostat, Austin's	1 50
M-5910	Tonsil haemostat, Large's, new model	4 75
M-5910A	Divulsor, Pierce's, for opening tonsilar abscesses, reversible, improved model	5 50

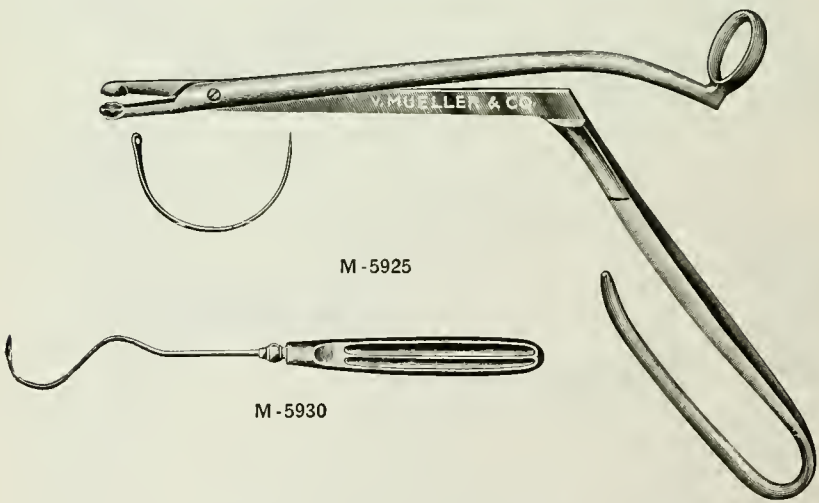
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5915



M-5920



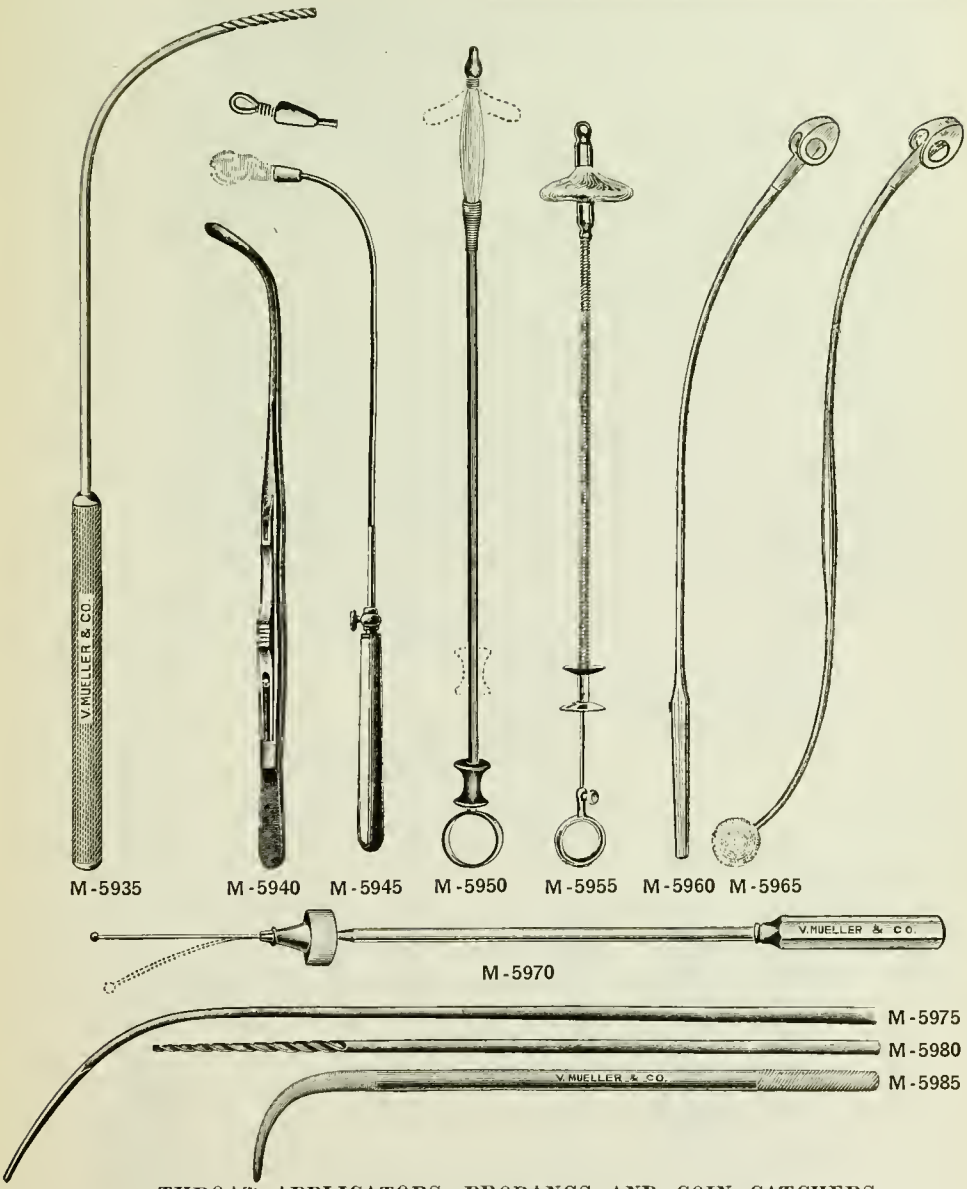
M-5925

M-5930

TONSIL SUTURING INSTRUMENTS

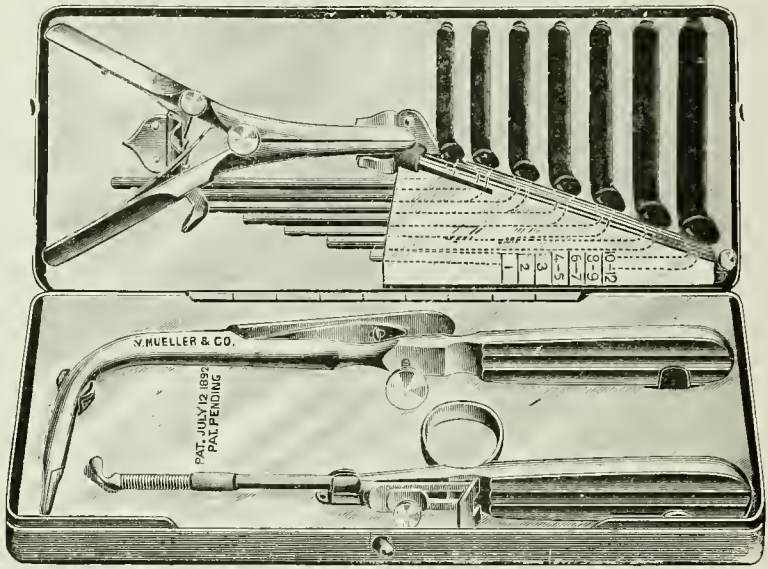
M-5915	Instruments for applying metal sutures to the pillars for the purpose of controlling post operative hemorrhage, Wageners'. Figure A, instrument for removing metal suture clips. Outfit complete with 25 metal suture clips	$9 50
M-5920	Tonsil suture needle, McCuen-Smith's	1 60
M-5925	Tonsil needle holder, and needles, McReynold's, with six needles	5 00
M-5930	Tonsil suture needle, Douglas'	1 60

Do not mutilate catalogue.—Specify section letter and number in ordering.

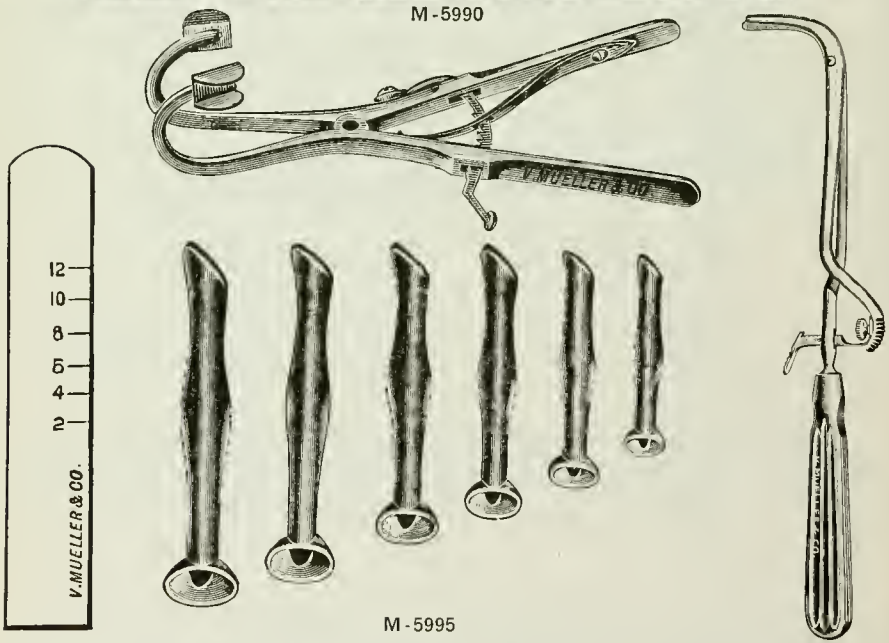


THROAT APPLICATORS, PROBANGS AND COIN CATCHERS

M-5935	Applicator, Sawtell's, made of copper, spiral end	$0 60
M-5940	Forceps, Cohen's, for holding sponges	2 50
M-5945	Applicator, Juracz's	1 00
M-5950	Bristle probang, with web covered stem	1 25
M-5955	Bristle probang, with spiral metal stem, new model	1 50
M-5960	Coin catcher, with flexible whale bone stem	2 25
M-5965	Coin catcher and probang combined	2 50
M-5970	Applicator for wire nails, Beck's, new model with flat screw, with 100 wire nails	90
M-5975	Applicator, Dean's, triangular end, soft copper	35
M-5980	Applicator, Hollinger's, aluminum, spiral end	25
M-5985	Applicator, Pynchon's, aluminum	25



M-5990

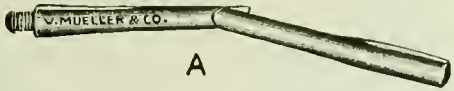


M-5995

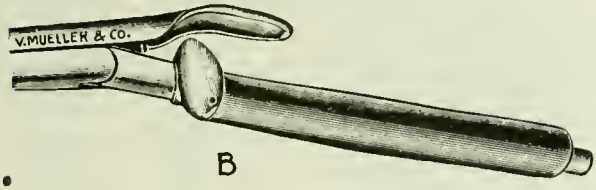
INTUBATION INSTRUMENTS

M-5990	Intubation set, Ermold-O'Dwyer's, with metal gold plated or hard rubber metal lined intubation tubes. Set complete	$24 00
M-5990A	Single intubation tube and obturator, each	2 25
M-5995	Intubation set, Feroud's, consisting of intubation and extracting instruments, combined. Six metal gold plated tubes: one mouth gag, one scale of years, and one card of braided silk put up in washable roll	12 00
M-5995A	Single intubation tubes, each	1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



A



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C



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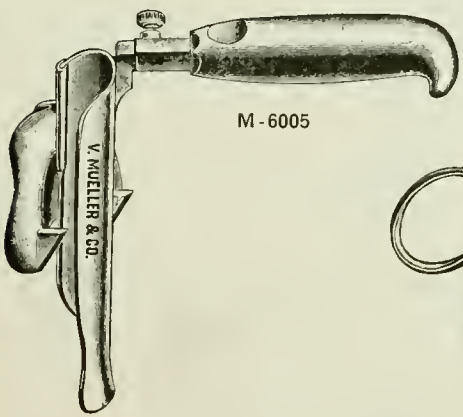
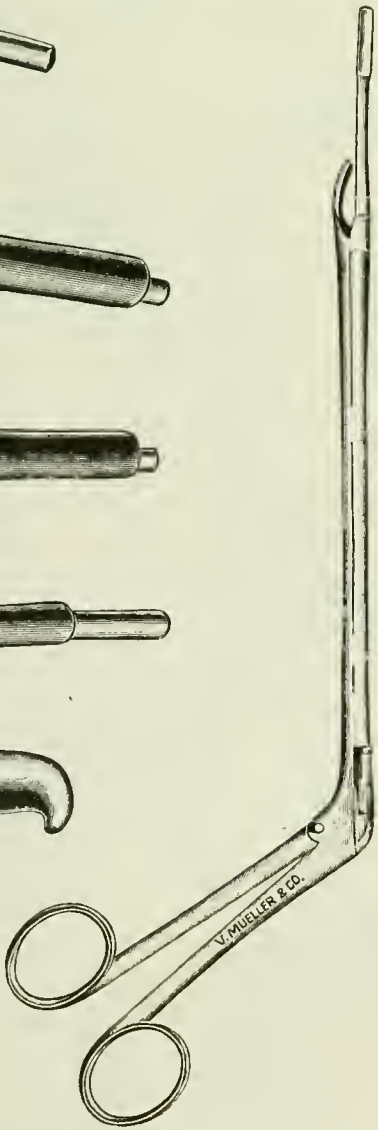


M-6005

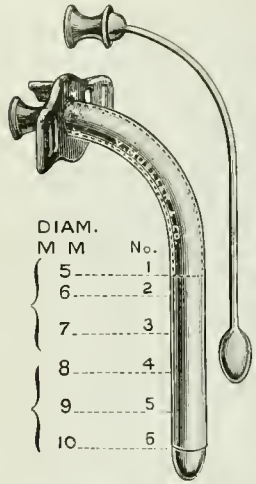


M-6000

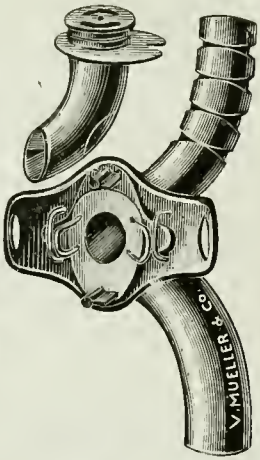
INTUBATION INSTRUMENTS—Continued

M-6000	Tube carrying forceps, Mosher's, for direct intubation either through Mosher's, Jackson's, or Ingal's laryngeal specula. Figure A represents Obturator for the intubation tubes. Four Obturators of different size are furnished with the forceps. Complete, without tubes	$12 00
M-6000A	Intubation tubes for use with Mosher's direct intubation instruments, each	2 00
M-6005	Laryngeal specula, Mosher's, made in two sizes, with interchangeable handle, each, with handle	7 00
	Specula only, $3 50; handle only	3 50
M-6005A	Tooth guard or mouth gag, illustrated above in connection with specula, Mosher's, made in three sizes, each	1 25

Do not mutilate catalogue.—Specify section letter and number in ordering.

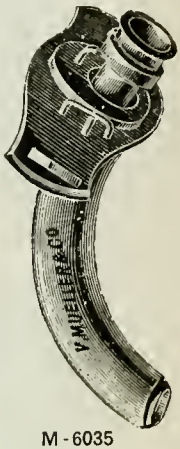


M-6010



M-6025


M-6030



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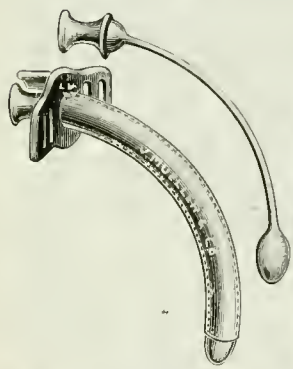
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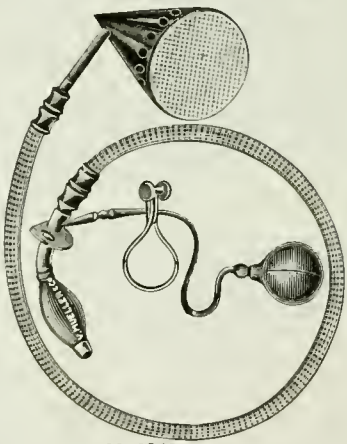
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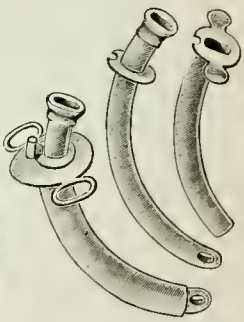
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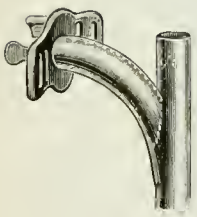
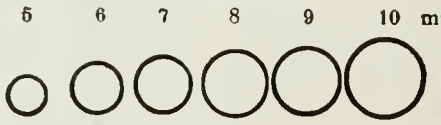
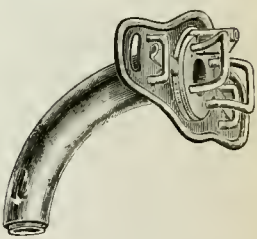

M-6020



M-6050A


M-6050

TRACHEOTOMY TUBES, ETC.

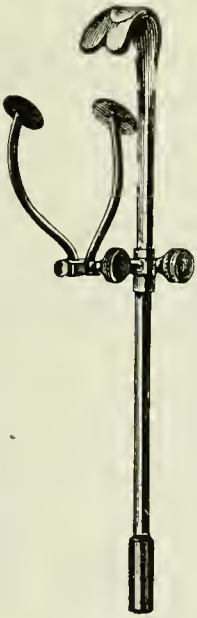
M-6010	Tracheal tube, Jackson's, cane shaped with pilot.	
M-6015	Tracheal tube, Jackson's, full curved with pilot. Each made in six sizes, silver. 1, 2, and 3, each, $6 00; 4, 5, and 6, each	$7 00
M-6020	Laryngostomy tube, Jackson's, made of silver in three sizes, large, medium and small, each, $5 50, $6 00 and	6 50
M-6025	Artificial larynx, Von Brun's, made of silver, to order only. Price according to size and nature of the case.	
M-6030	Tracheal tubes, Koenig's, spiral, made of silver	5 50
M-6035	Tracheal tubes, made of hard rubber, five sizes	1 00
M-6040	Tracheal tube, Trendelenburg's, with tampon, two sizes. Tubes only without inhalers, $6 00 and	7 00
	Chloroform inhaler for above tubes	4 00
M-6045	Tracheal tube, Cohen's, oval, double	8 50
M-6050	Tracheal tube, Luer's, made in six sizes, aluminum, each, $1 75; silver, sizes 1, 2, and 3, each, $4 25; sizes 4, 5, and 6, each	5 00
M-6050A	Scale for tracheal tubes	



M-6055



M-6060



M-6065



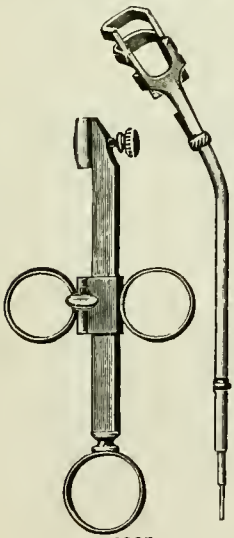
M-6070



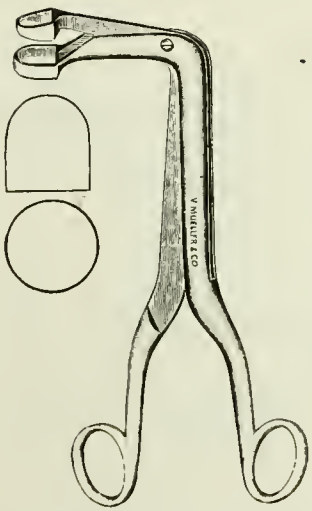
M-6075



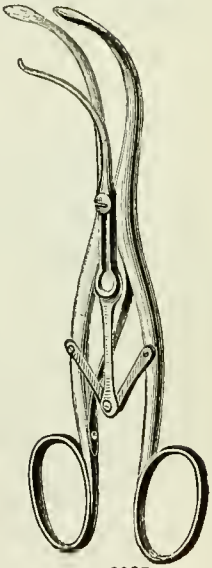
M-6080



M-6085



M-6090

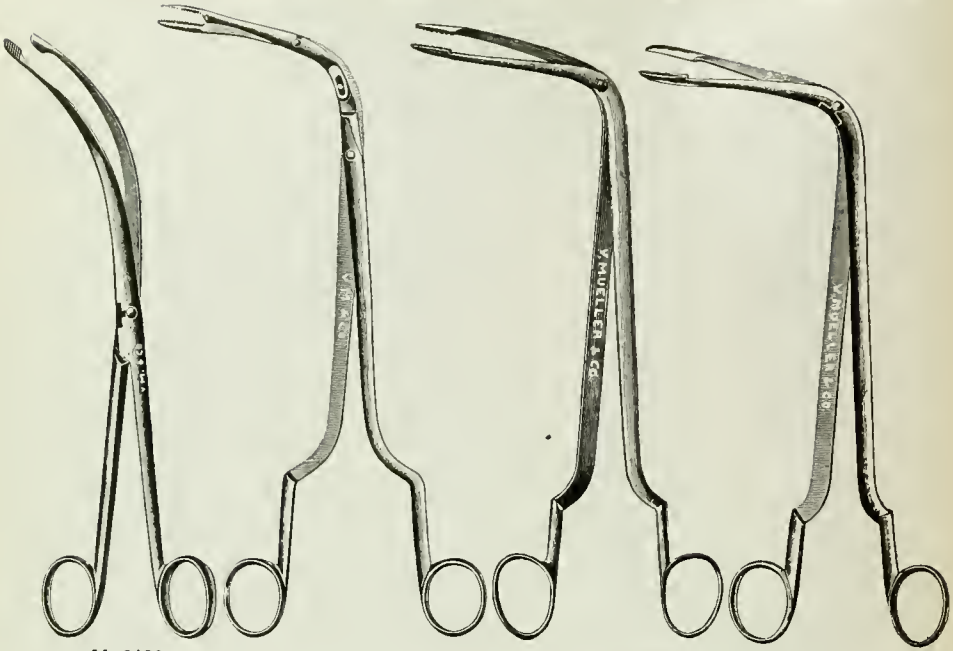


M-6095

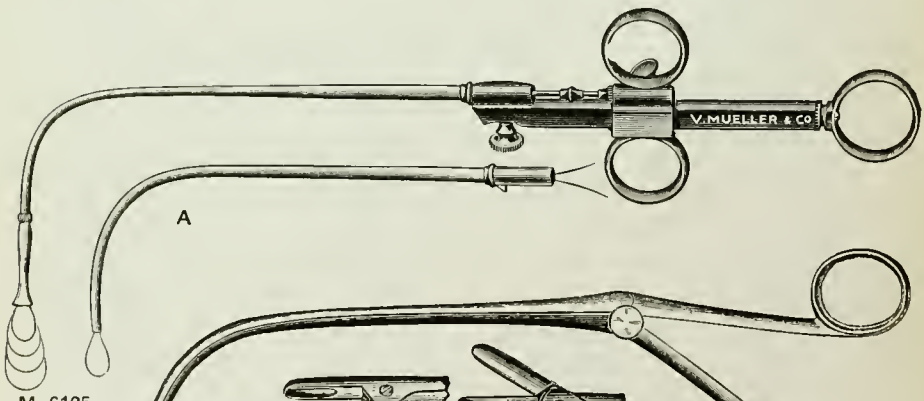
UVULA AND LARYNGEAL INSTRUMENTS

M-6055	Retractor, uvula, White's	$1 00
M-6060	Retractor uvula, plain with Universal handle	90
M-6065	Retractor uvula, Moritz-Schmidt's	4 00
M-6070	Retractor tracheal, three prongs, sharp or blunt, each	1 00
M-6075	Retractor tracheal, two pronged, sharp or blunt, each	90
M-6080	Retractor tracheal, double ended, pair	75
M-6085	Curette, and handle, Alexander's, for removing the epiglottis, net	15 75
M-6090	Punch, Moritz-Schmidt's, for removing the epiglottis, two shapes, as illustrated, each	8 50
M-6095	Dilator for tracheal wound, LaBorde's	3 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-6100 M-6105 M-6110 M-6115



M-6125



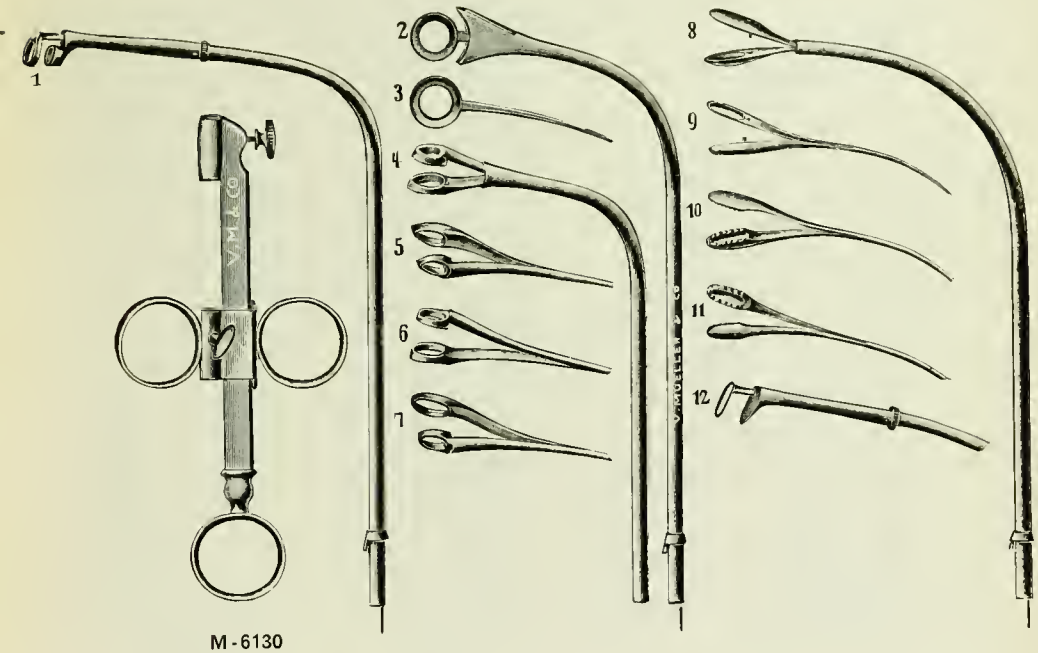
M-6120

LARYNGEAL FORCEPS AND SNARES

M-6100 Grasping forceps, Tobold's $2 25
M-6105 Grasping forceps, McKenzie's, articulated 4 50
M-6110 Grasping forceps, McKenzie's, plain, anterior, posterior or lateral..... 2 25

M-6115 Cutting forceps, McKenzie's, plain $2 75
M-6120 Cutting forceps, Frankel's, three patterns, vertical, and right and left lateral, each 7 50
M-6125 Laryngeal snare, Jaennicke's, with automatically reforming loop. Universal, for vertical or lateral work 6 00
M-6125A Laryngeal snare tube, plain, fitting Krause handle and wire carrier for same.. 2 00

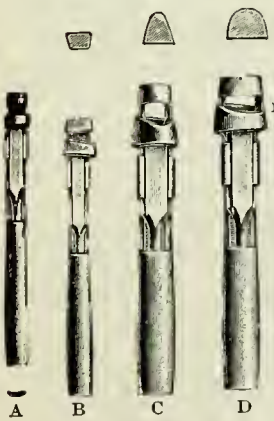
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-6130

LARYNGEAL OPERATING INSTRUMENTS

M-6130 Universal handle, Krause's, for laryngeal operating instruments $3 00
Figure 1, laryngeal tube curved, with Landgraf's double curette 7 50
Figures 2 and 3, laryngeal canula with right and left ring knives, each 5 50
Figures 4, 5, 6 and 7, laryngeal curettes, vertical or lateral, each 4 50
Canulas, extra, each..... 1 50
Figures 8 and 9, laryngeal curettes, vertical or lateral. Curettes only, each, $2 50; with canulae, each 3 75
Figures 10 and 11, laryngeal grasping forceps, vertical or lateral. Forceps only, each, $2 50; with canula, each 3 75
One canula only is neccssary for figures 8 and 9, or 10 and 11. Also one canula only is needed for 4 and 5 or 6 and 7.



M-6135

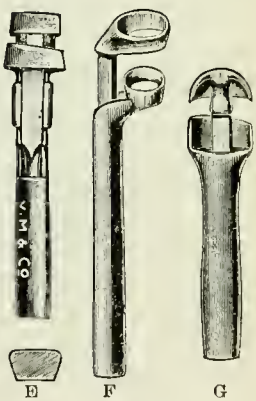
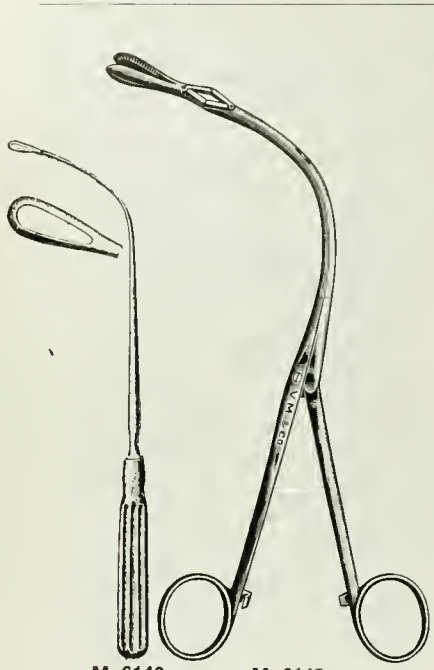
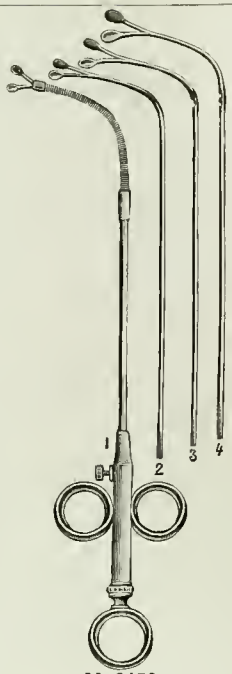
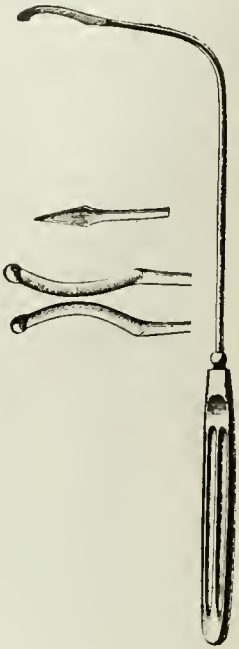


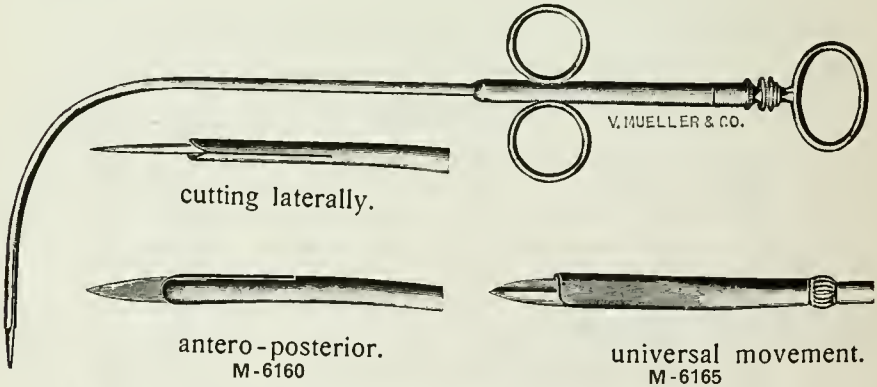
Figure 12, clamp forceps $4 00

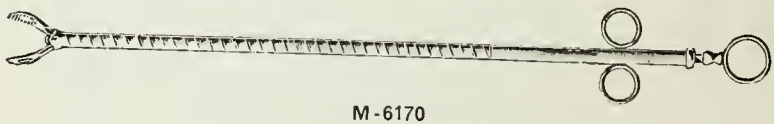
M-6135 Laryngeal curettes, Corde's, for use on laryngeal canula figure 1. Made in five sizes, A, B, C, D, and E. Curette without canula and without Universal handle, each 7 50
Figure F, double curette, Landgraf's, without canula..... 5 75
Figure G, double curette, Hedderich's, without canula..... 6 50
Canula Figure 1 for use with curettes A, B, C, D, E, F, G, each..... 2 50
Illustration of Corde's curettes are actual size. We recommcnd these to our customers in preference to figure 6130, 4, 5, 6, 7.







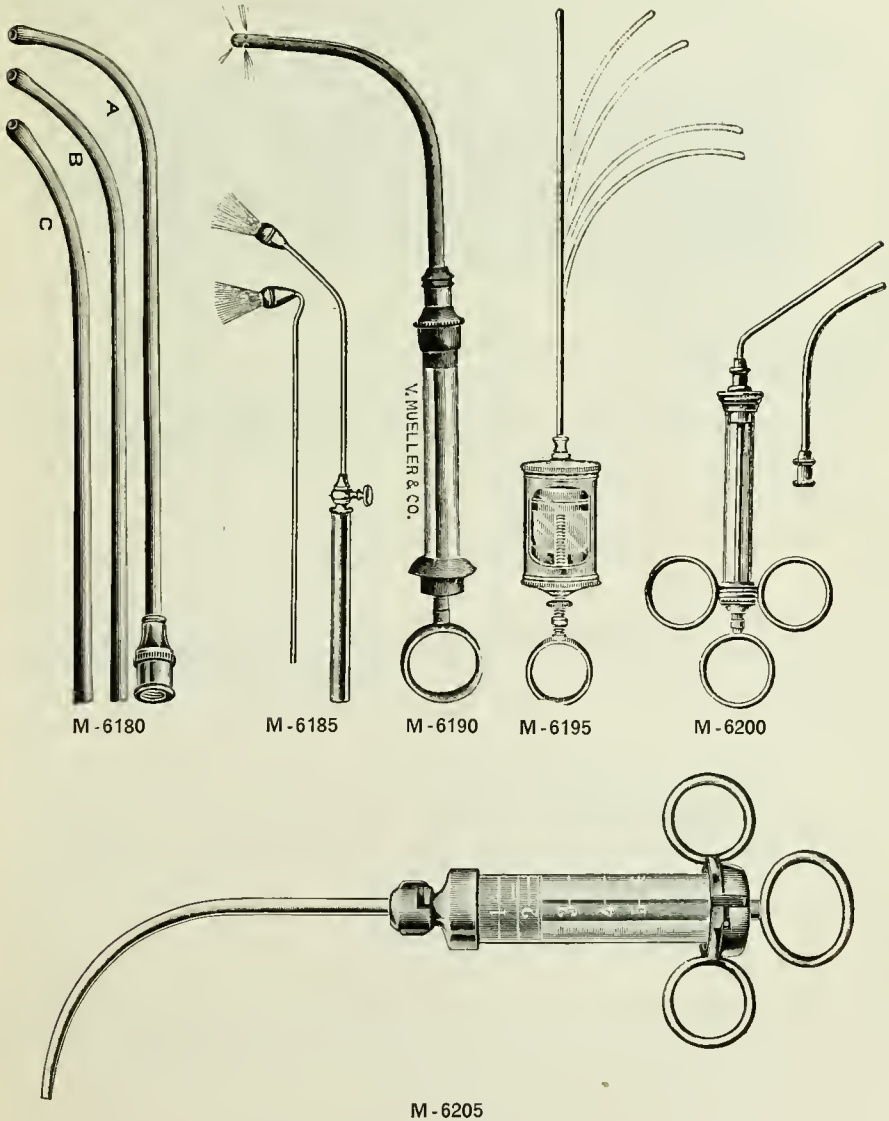




LARYNGEAL OPERATING INSTRUMENTS—Continued

M-6140	Laryngeal curette, vertical or lateral, each	$2 50
M-6145	Laryngeal grasping forceps, Luer's, anterior-posterior	6 00
M-6150	Laryngeal cutting forceps, Moritz-Schmidt's, two sizes of each, lateral and vertical, complete set	12 00
M-6155	Laryngeal bistoury, three patterns, sharp pointed	1 75
	Probe pointed, up or down cutting, each	2 00
M-6160	Concealed lancets, Tobold's, cutting laterally or antero-posterior, plain, each	4 50
M-6165	Concealed lancet, Tobold's, with Universal movement	5 25
M-6170	Forceps, Esophageal, with spiral stem	4 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



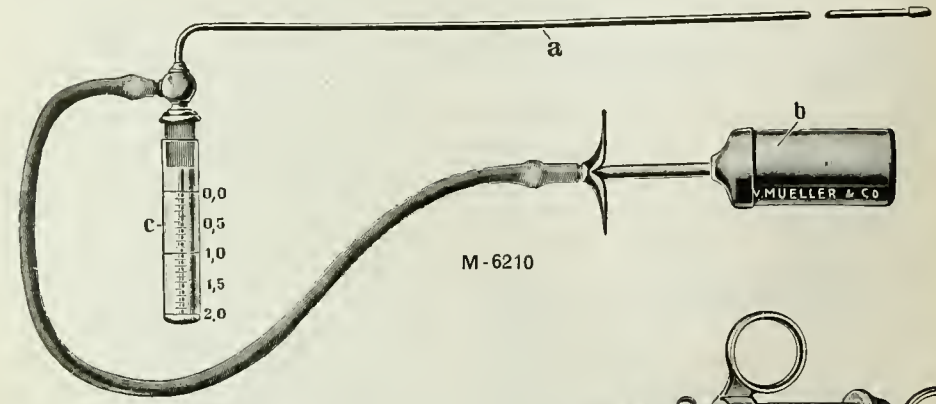
M-6180 M-6185 M-6190 M-6195 M-6200

M-6205

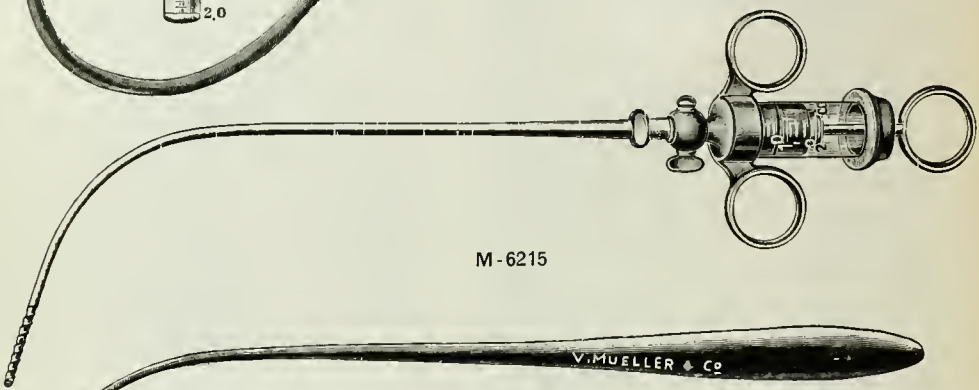
LARYNGEAL SYRINGES, ETC.

M-6180	Laryngeal syringe canulas, different curves, figures A, B, and C. Made of pure silver, each	$1 75
M-6185	Laryngeal brush, Wagner's, two wire stems, one Uuiversal handle, and twelve brushes hard rubber mounted. Set complete	2 50
M-6190	Laryngeal syringe, Tobold's, hard rubber mounted	1 75
M-6195	Laryngeal syringe, made entirely of metal with long flexible canula	3 50
M-6200	Laryngeal and nasal syringe, Fraenkel's, hard rubber mounted	2 00
M-6205	Laryngeal syringe, Record, ground metal piston and glass barrel	5 75

Do not mutilate catalogue.—Specify section letter and number in ordering.

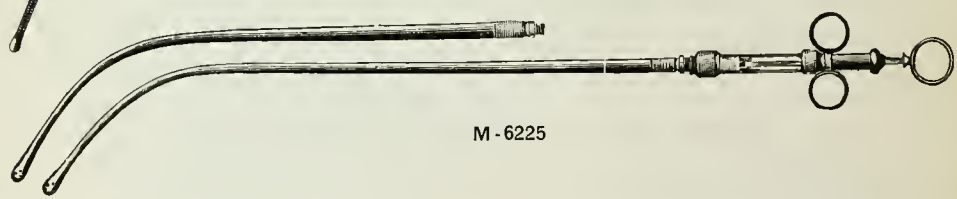


M-6210

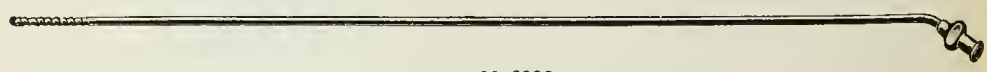


M-6215

M-6220



M-6225



M-6230

INSTRUMENTS FOR ANAESTHETIZING THE LARYNX AND BRONCHIAL TUBES, ETC.

M-6210	Atomizer, Bruening's, for use through laryngeal specula, bronchoscopes, etc.....	$2 85
M-6215	Syringe, Bruening's, Record type, for anaesthetizing the larynx with cocain and adrenalin	7 50
M-6220	Applicator, Bruening's, serrated, with probe point.....	1 00
M-6225	Syringe, Rosenheim's, for anaesthetizing the esophagus, with straight and curved tube	5 00
M-6230	Syringe tube, long, with applicator point for attaching cotton.....	1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



OPERATING SETS OF LARYNGEAL, BRONCHIAL AND ESOPHAGEAL INSTRUMENTS

The instruments described below have been designated to us as necessary by the experts who invented and use them, in order to be prepared for any emergency that may present itself during an operation.

Instruments recommended by Dr. Chevalier Jackson of Pittsburg, Pa.

1 laryngeal specula, separable, adult's size.
1 laryngeal specula, separable, child's size.
1 tracheoscope, 5 mm. by 24 cm.
1 tracheoscope, 7 mm. by 20 cm.
1 bronchoscope, 5 mm. by 30 cm.
1 bronchoscope, 7 mm. by 40 cm.
1 bronchoscope, 9 mm. by 40 cm.
1 esophagoscope, 7 mm. by 45 cm.
1 esophagoscope, 10 mm. by 53 cm.
1 handle and 2 forceps for foreign bodies (two lengths).
6 Coolidge's sponge holders with Jackson's long collars.
2 foreign body hooks (two lengths).
1 foreign body probe.
1 aspirator complete with two tubes.
M-6235 Complete outfit put up in roll, as illustrated at top of page.
M-6235A Jackson-Mueller bronchoscopic battery, with two independent circuits.

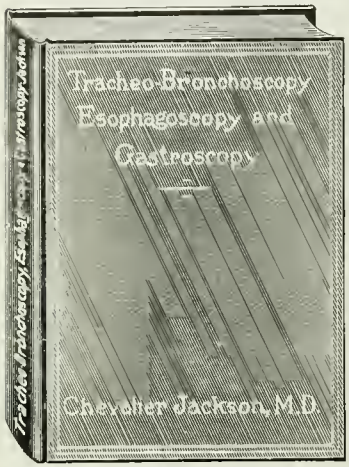
Instruments recommended by Dr. W. Bruening, of Freiburg, Germany.

1 Bruening's electroscope, cable and extra lamp.
5 Bruening's extension tubes.
1 extension tube for esophagoscopy with 12 mm. tube.
2 autoscopic spatulas, for adults and children.
1 aspirating spatula.
1 aspirator complete, with two tubes.
3 mandrins or obturators for large extension tubes.
1 Bruening's extension forceps with five different tips.
2 Killian alligator forceps (two lengths with one handle).
2 hooks for foreign bodies (two lengths).
2 probes for foreign bodies (two lengths).
6 Bruening's sponge holders, double ended.
M-6240 Complete outfit put up in roll, as illustrated at top of page.
M-6240A Socket current controller for illuminating Bruening's electroscope.

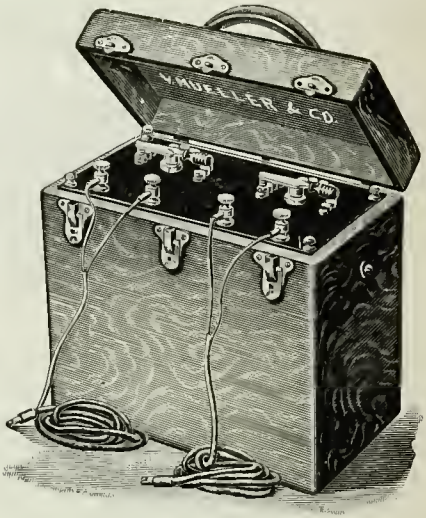
Instruments recommended by Dr. Otto Kahler, of Vienna, Austria.

1 Leiter-Kahler Panelectroscope, extra lamp and cable.
5 Bruening-Kahler extension tubes.
1 extension tube for esophagoscopy with 12 mm. tube.
1 Kahler or Bruening's extension forceps, with five different tips.
1 aspirator complete with two tubes.
1 autoscopic spatula for laryngoscopy.
1 aspirating spatula for laryngoscopy.
6 Coolidge sponge holders.
2 foreign body hooks (two lengths).
2 foreign body probes (two lengths).
M-6245 Complete outfit put up in roll, as illustrated at top of page.
M-6245A Socket current controller for illuminating Leiter-Kahler Panelectroscope.

These sets of instruments are regularly carried in stock for immediate delivery.



M-6255



M-6265



M-6260



M-6270

BRONCHOSCOPIC BATTERY, BOOKS ON BRONCHOSCOPY, ETC.

M-6255 Tracheo-Bronchoscopy, Esophagoscopy and Gastroscopy, by Chevalier Jackson, M. D., net..... $4 00

M-6260 Illustrations from Dr. Jackson's book, showing how patient's head should be held for the introduction of the laryngeal specula, bronchoscope and esophagoscope.

M-6265 Bronchoscopic Battery, Jackson's.

This battery has been designed for supplying current of proper volume and suitably controllable, to the various forms of bronchoscopes, esophagoscopes and in fact all instruments for illuminating the cavities.

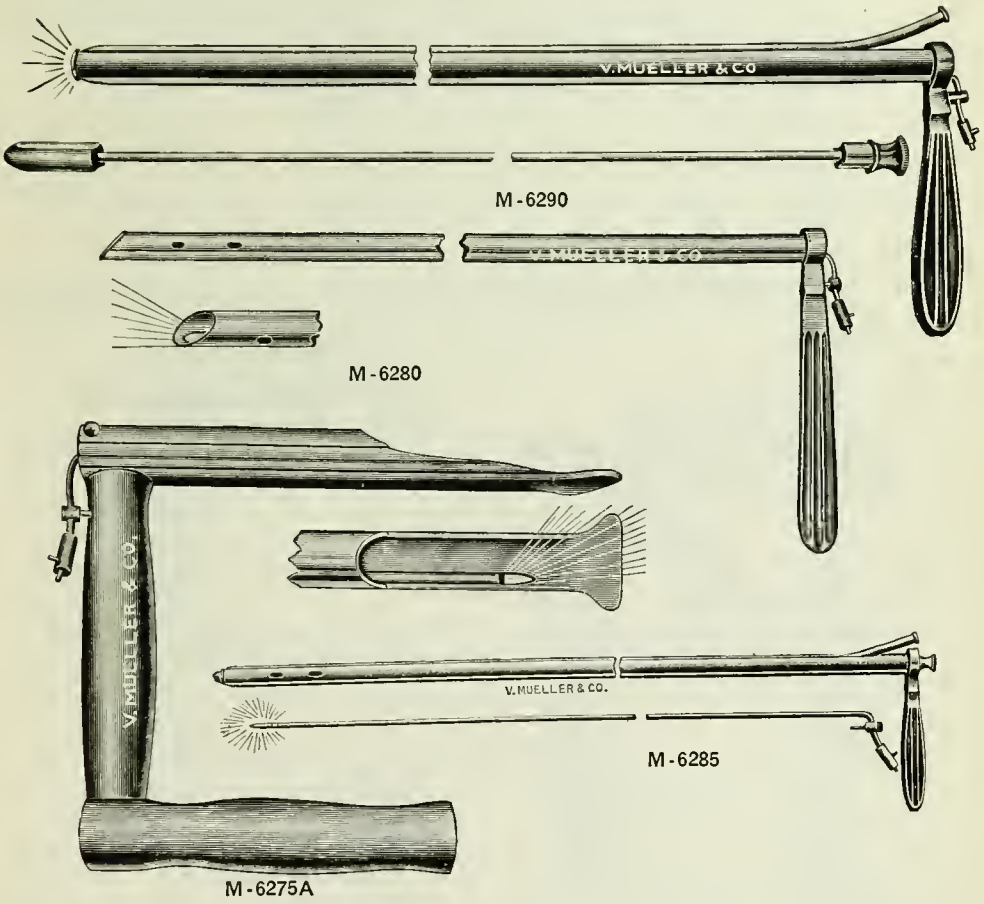
It is the result of a great deal of experience on the part of Dr. Jackson and all of the objectionable features which have been found in previous portable batteries have been overcome.

It is so arranged that current is supplied from two separate circuits. The advantage in such an arrangement is that if the laryngeal specula is being used, the bronchoscope or esophagoscope, with its independent examination lamp, may be introduced without making any change of connections. Again both circuits may be combined into one for illuminating larger lamps, than those used with the Jackson instruments.

The construction is of the highest order, the switch being made with a spring contact plunger, thus preventing the possibility of current failing to pass due to poor contact at the switches. Eight No. 6 Standard dry cells are used and these can always be purchased locally. All connections to the cells are supplied with patented connectors. Case is of quarter sawed oak, highly polished.

Price, without cords, net.....$25 00

M-6270 Illustration shows top of Jackson battery in detail.



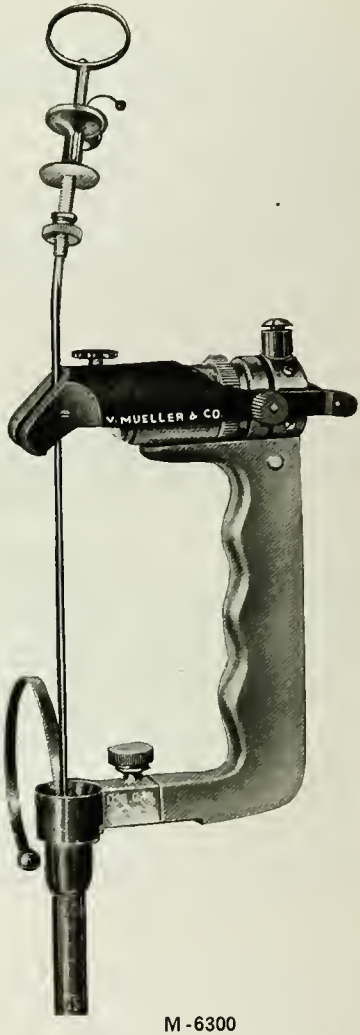
INSTRUMENTS FOR DIRECT TRACHEO-BRONCHOSCOPY AND ESOPHAGOSCOPY

M-6275	Laryngeal specula with removable slide, Jackson's, adult size 14 mm. by 16 cm.	$18 00
M-6275A	Laryngeal specula with removable slide, Jackson's, children's size 12 mm. by 14 cm.	18 00
M-6280	Bronchoscope, Jackson's, made in four sizes, 4 mm. by 30 cm. and 5 mm. by 30 cm., $9 00; 7 mm. by 40 cm., $11 00; 9 mm. by 40 cm.	11 00
M-6285	Bronchoscope, Jackson's, for cases of excessive secretion and for drainage of lung abscesses with auxillary drainage tube. Made in three sizes, 5 mm. by 30 cm., $9 00; 5 mm. by 45 cm., $10 00; 7 mm. by 45 cm.	11 00
M-6290	Esophagoscope, Jackson's, made in two sizes, adults, 10 mm. by 53 cm., $15 00; child's, 7 mm. by 45 cm.	11 00
	All esophagoscopes have auxillary drainage tubes. Bronchoscopes, figure 6280, can be furnished with the Buchanan anaesthetizing attachment, price, extra	1 00
M-6290A	Trachescope (not illustrated) 7 mm. by 20 cm., $9 00; 5 mm. by 14 cm.	6 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-6295



M-6300

ILLUMINATING APPARATUS FOR DIRECT LARYNGOSCOPY BRONCHOSCOPY, ETC.

M-6295 Electroscope, Bruening's No. 1, latest model, for use in connection with laryngeal, bronchoscopic and esophagoscopic tubes.

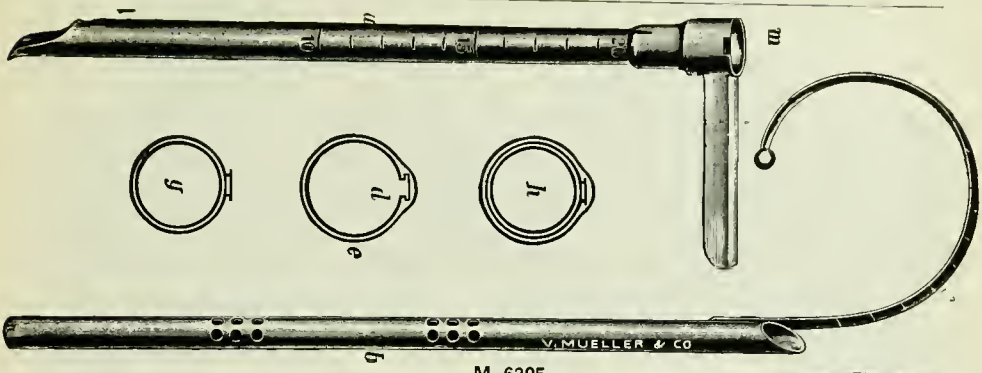
This new model has several superior features over the earlier forms of the Bruening electroscope, principal of which is the one permitting the free use of forceps and other operating instruments without in any way disturbing the lighting system. This is accomplished by means of a slot in the mirror, which transmits the light by reflection from the lamp to the end of the tube.

The plan of supplying the light in this manner overcomes the difficulty some times experienced on account of blood and mucous covering the lamp when it is used inside of the tube.

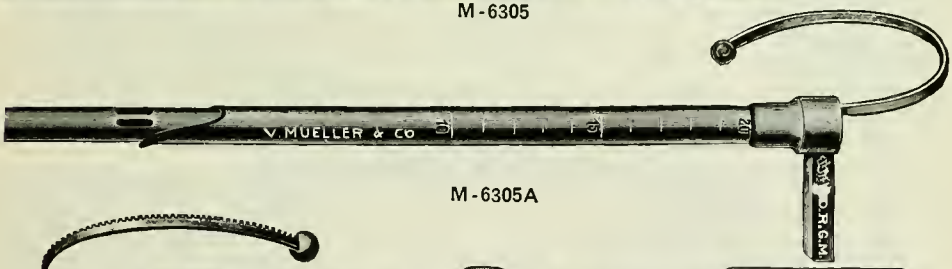
M-6300 Electroscope, Bruening's No. 2.

The illuminating apparatus of this instrument is constructed along the same lines as the No. 1 electroscope, but differs in the handle, as in this case the handle is thrown forward toward the operator, making it more convenient in case the one electroscope is to be used for various purposes, such as, proctoscope, sigmoidoscope, esophagoscope and gastroscope. It will, therefore, appeal to the general surgeon, being adapted to a greater variety of uses.

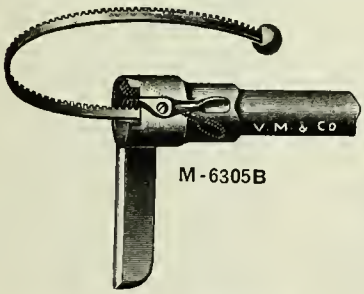
These Instruments are regularly carried in stock for immediate delivery.



M-6305



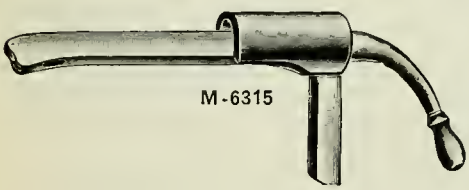
M-6305A



M-6305B



M-6310



M-6315



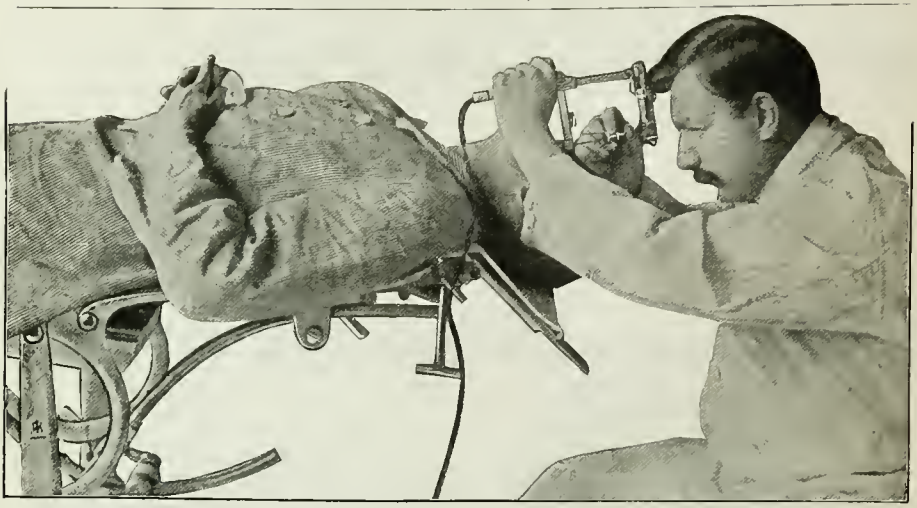
M-6320

BRONCHOSCOPES, ESOPHAGOSCOPES, AND LARYNGEAL SPATULA

M-6305 Parts of Bruening's extension bronchoscopes and esophagoscopes, used in connection with Bruening's electroscopes. Made in five sizes.
M-6305A Illustrating Bruening's bronchoscope partly extended.
M-6305B Illustrating locking device. This is especially valuable on the esophagoscopes, as it prevents the extension tube from being pushed up by the opening and closing of the esophagus.
M-6310 Open spatula, Bruening's, for small children and infants.
M-6315 Suction spatula, Bruening's, for infants and small children.
M-6320 Autoscopic spatula, Bruening's, made in two sizes, children's and adults'.
Prices furnished on application.

THESE INSTRUMENTS ARE REGULARLY KEPT IN STOCK FOR IMMEDIATE DELIVERY.

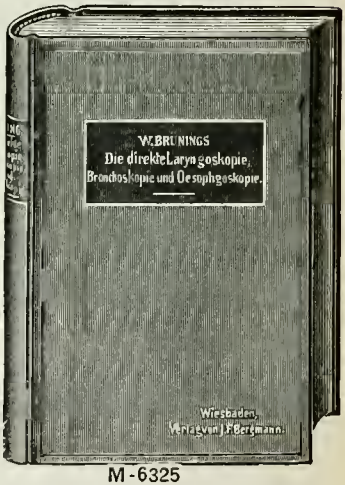
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-6330



M-6330A



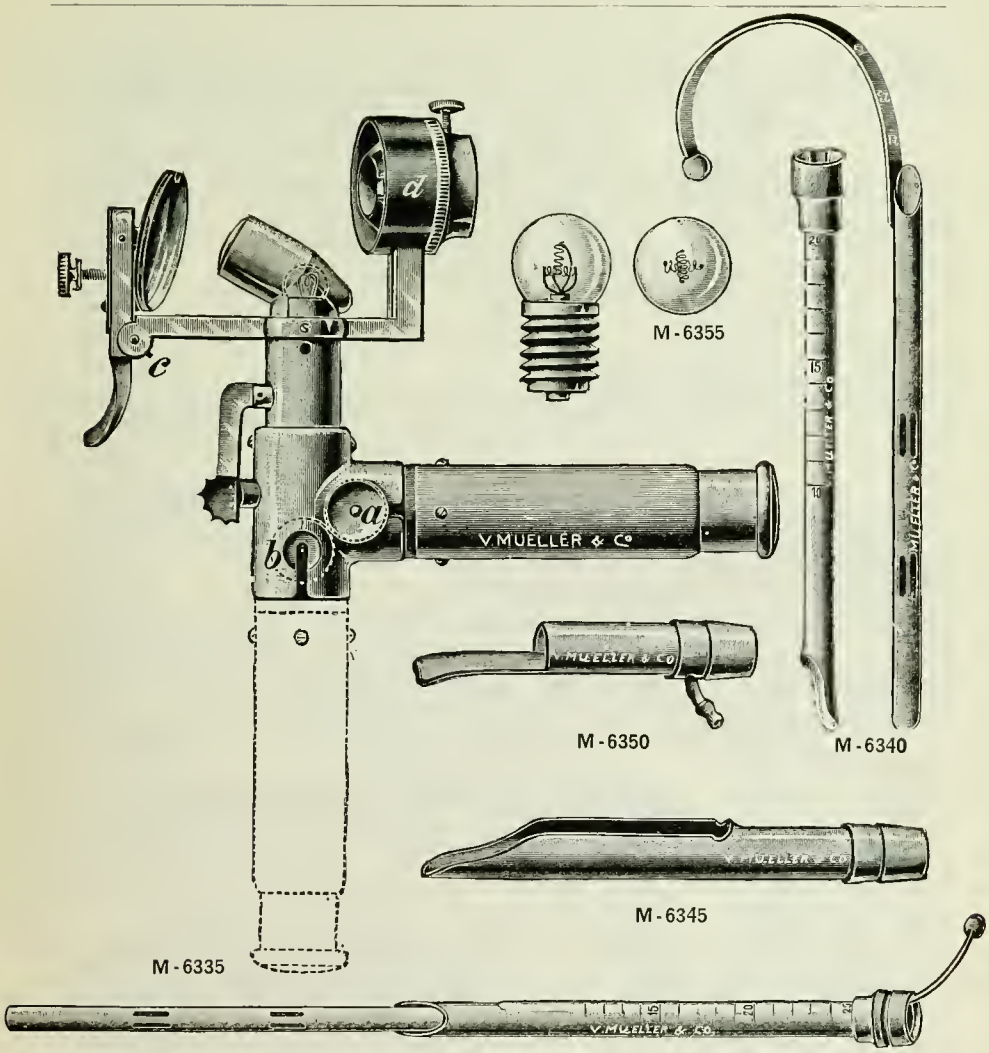
M-6325

BOOKS ON DIRECT LARYNGOSCOPY, ETC.

M-6325 Laryngoscopy, Bronchoscopy and Esophagoscopy by W. Bruening, Ph.D., M.D. German text, net..... $4 50
English translation of Dr. Bruening's book is in preparation.

M-6330 Illustration from Dr. Bruening's book showing the use of instruments with patient in recumbent position.

M-6330A Illustration from Dr. Bruening's book showing the use of instruments with patient in sitting position.



INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY

M-6335 Leiter's Panelectroscope modified by Kahler.

This Electroscope is so arranged that it may be easily adapted for operating with the patient sitting upright or in a horizontal position by merely changing the handle from "A" to "B." The light from the Tungsten lamp is sent through a condensing lens onto a parabolic mirror reflector "C" thence to the bottom of the tube through the opening "D."

In introducing instruments the mirror may be thrown backward leaving a free opening by pressing upon the lever at the point "C." A convenient switch controls current passing to the lamp.

M-6340 Parts of extension tube, Bruening's, fitted for the above electroscope. These tubes are made in five sizes, 5, 8, 10, 12 and 14 mm. diameter.

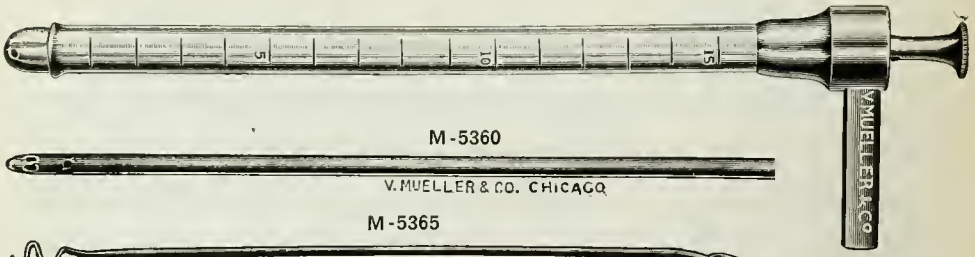
M-6340A Illustrating parts of extension tube combined and partly extended.

M-6345 Autoscopic spatula, Bruening-Kahler.

M-6350 Autoscopic spatula, Bruening-Kahler, with suction attachment.

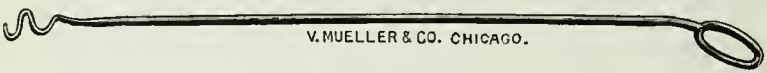
M-6355 Tungsten lamps for Leiter-Kahler Electroscope.

THESE INSTRUMENTS ARE REGULARLY KEPT IN STOCK FOR IMMEDIATE DELIVERY. PRICES FURNISHED UPON APPLICATION.



M-5360

M-5365



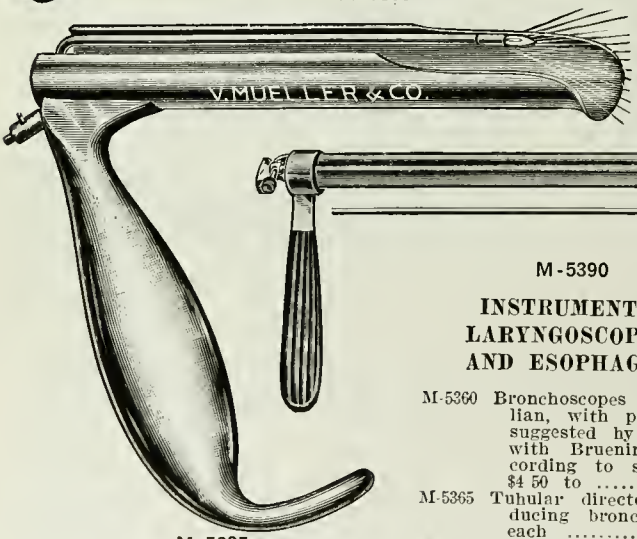
M-5370



M-5375

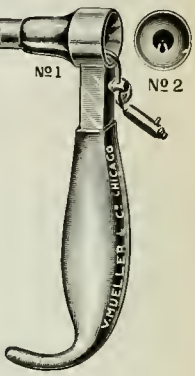


M-5380



M-5385

M-5390



INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

M-5360 Bronchoscopes or esophagoscopes, Killian, with perforated obturator as suggested by Dr. Ingals. For use with Bruening's electroscope. According to size and length, each $4 50 to $5 50

M-5365 Tubular director, Ingals', for introducing bronchoscopes. Two sizes, each 1 75

M-5370 Pin finder, Ingals', improved model... 2 00

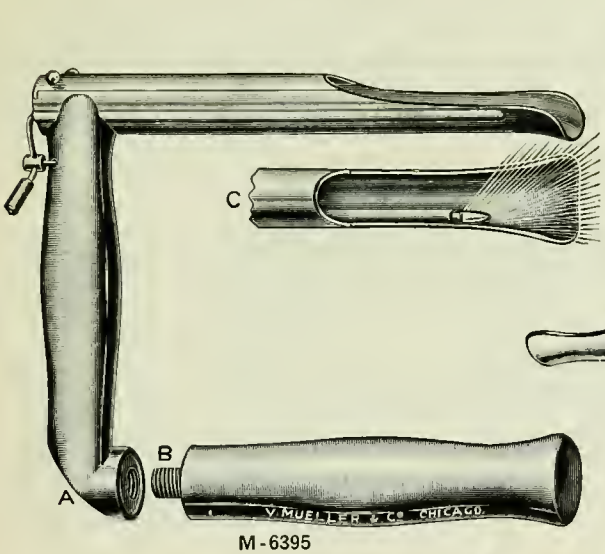
M-5375 Bronchoscope, Ingals', latest model, with (open) auxillary channel for light carrier. The open feature permits of cleaning the channel of mucous and blood. Made in two sizes. Children's, $11 00; adults'.... 12 00

M-5380 Universal handle, for bronchoscopes and esophagoscopes..... 2 50

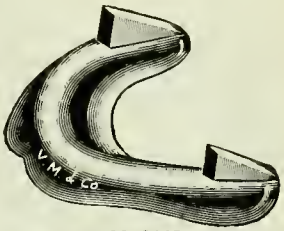
M-5385 Laryngeal specula, Ingals', without slide, for the examination of the larynx and the introduction of bronchial tubes, etc. Made in two sizes. With light carrier and one extra lamp, each 12 00

M-5390 Triangular fenestrating tube, Mosher's, for papilloma of the anterior commisure of the larynx 15 00

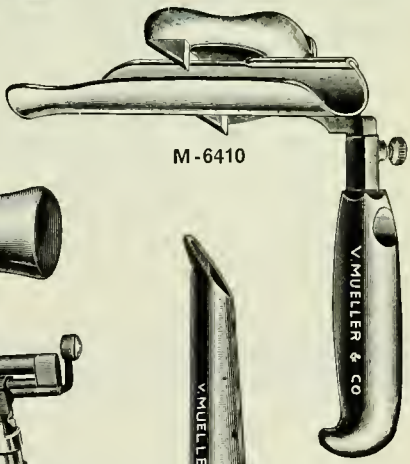
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-6395



M-6415



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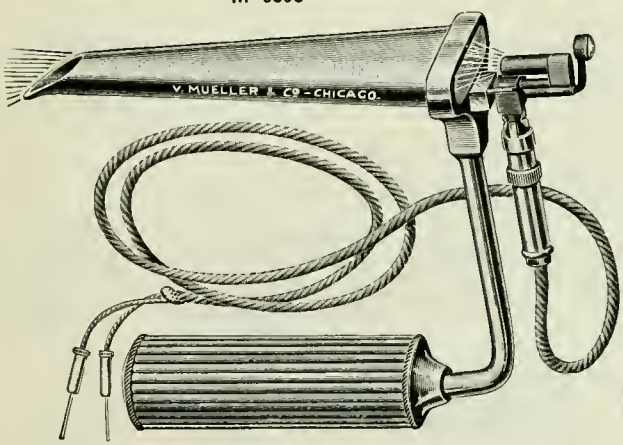


M-6400



M-6405



M-6420

INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

M-6395 Laryngeal specula, Jackson's, modified by Dr. R. H. Johnston, so handle can be removed for use with patient in sitting position.....$18 00

M-6400 Binocular direct laryngoscope, Yankauer's, with individual electric light..... 24 00

M-6405 Binocular direct laryngoscope, Yankauer's, to fit the Bruening electroscope..... 8 50

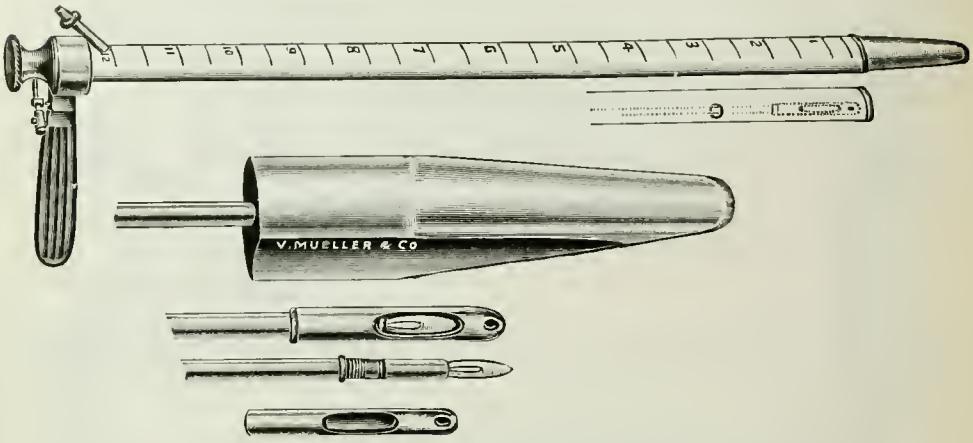
The Yankauer laryngoscopes are made of steel and will not be indented by the patient's teeth.

M-6410 Open specula, Mosher's, for direct inspection of the larynx and the mouth, the esophagus and direct intubation. Two sizes, each, with handle..... $7 00

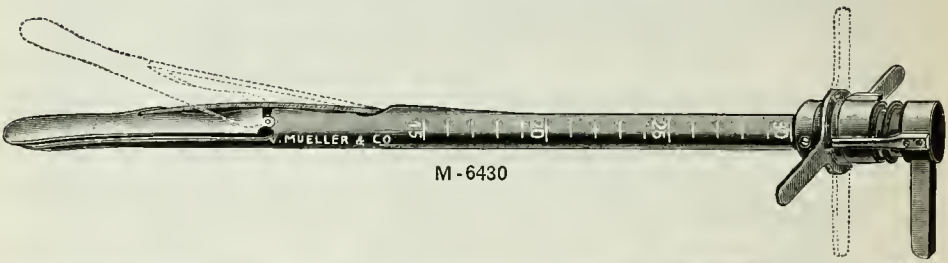
M-6415 Tooth guard and mouth gag, Mosher's, for use with open specula. Three sizes, each 1 25

N-6420 Mouth gag or bite block, Boise's..... 1 75

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-6425



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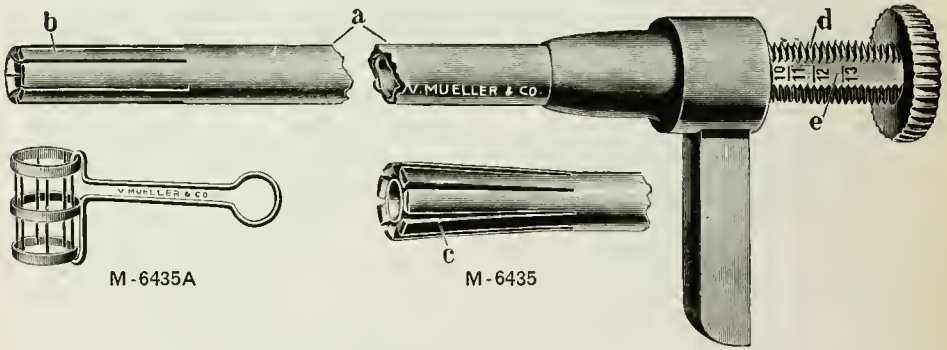
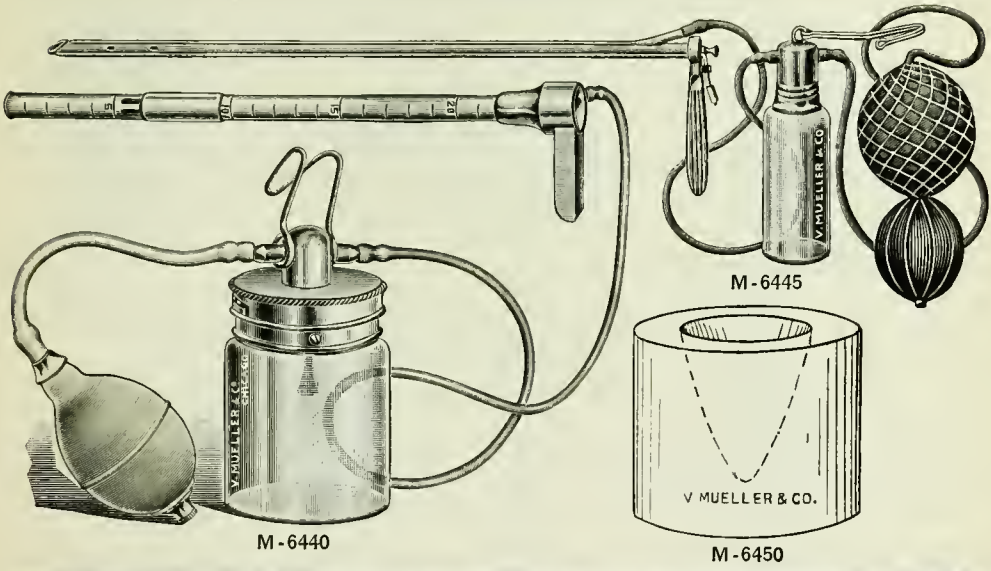


M-6435A M-6435

INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

M-6425	Esophagoscope, Mosher's, oval, with ballooning attachment and light carrier with protected lamp. Three sizes, each	$25 00
M-6430	Esophagoscope, Bruening's, dilating for use in cases of imbedded foreign bodies, to be used with Bruening's electroscope	27 50
M-6435	Extracting dilator and bronchoscope, Bruening's for extracting foreign bodies in cases of stricture and edema	8 50
M-6435A	Chloroform mask, Bruening's, for use in connection with bronchoscopes, etc.	2 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



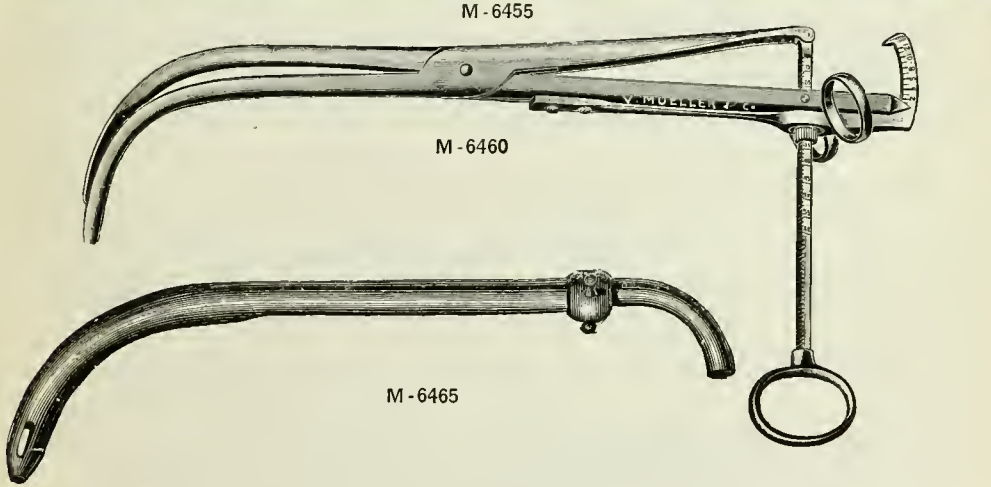
M-6440

M-6445

M-6450



M-6455

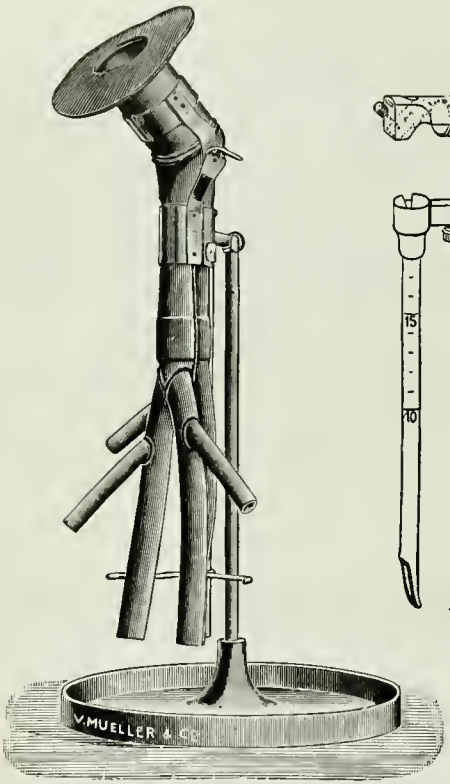


M-6460

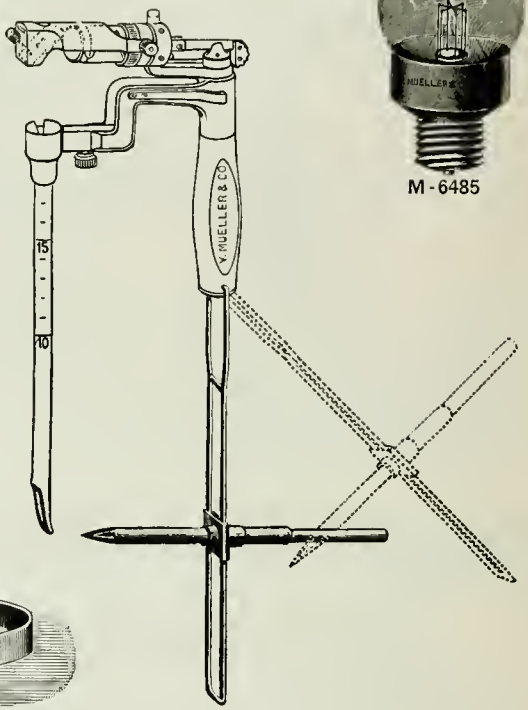
M-6465

INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

M-6440	Anaesthetic inhaler, Yankauer's, for use with bronchoscopes and esophagoscopes	$10 00
M-6445	Anaesthetic inhaler, connected to Jackson's anaesthetizing bronchoscope. Inhaler only, with bulb and tubing	5 75
M-6445A	Jackson's bronchoscope with Buchanan's anaesthetizing attachment 4 mm. by 30 cm., $10 00; 5 mm. by 30 cm., $10 00; 7 mm. by 40 cm., $12 00; and 9 mm. by 40 cm.	12 00
M-6450	Porcelain cup, Yankauer's, for cocain	30
M-6455	Mandrin or obturator, flexible, for use with Bruening's esophagoscope and adult's bronchoscope	1 75
M-6460	Dilator, Bruening's, for upper esophagus. The amount of dilatation, and the amount of pressure used are indicated on separate scales	21 00
M-6465	Dilating tube, Schroetter's for laryngeal stenosis. Made in sizes 20, 23, 26, 29, 32 and 35F. Other sizes to order only. Each	1 50

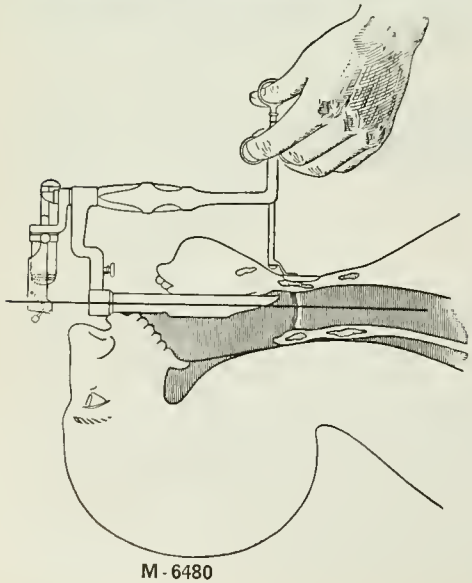


M-6470



M-6475

M-6485



M-6480

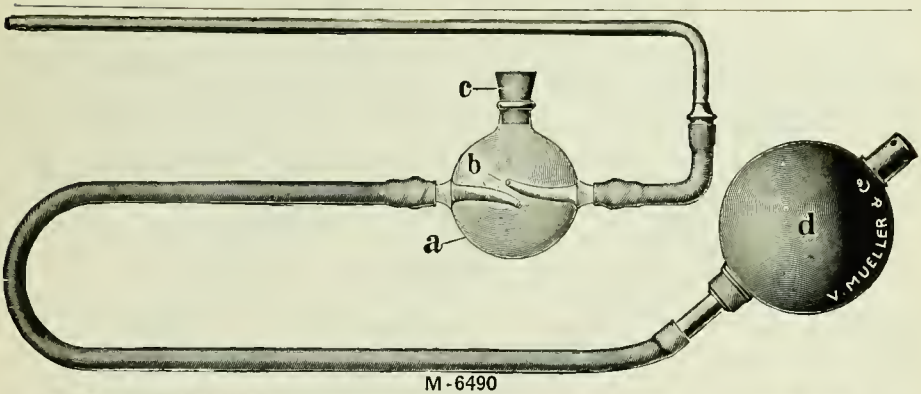
INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

M-6470 Phantom, Killian's, for practicing laryngoscopy, bronchoscopy and esophagoscopy. Net $30 00

M-6475 Cardiograph, Bruening's, can be attached to Bruening's electroscope, as illustrated... 3 75

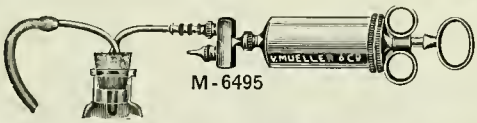
M-6480 Counter pressure apparatus, Bruening's, (Gegendrücker) for use in autoscopy in adults and children 10 50

M-6485 Lamp, especially designed for use with Bruening's electroscope. Net 1 25



M-6490



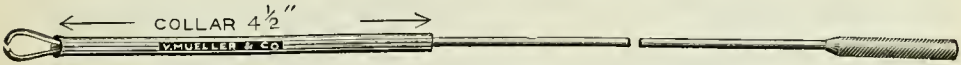


M-6495



V. MUELLER & CO. CHICAGO

M-6500



M-6505



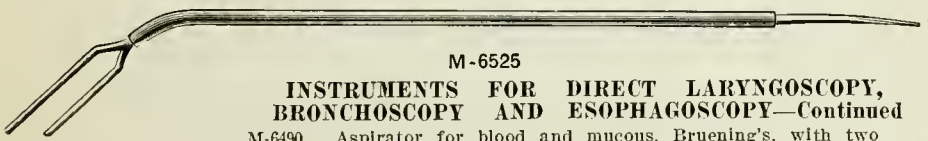
M-6510



M-6515



M-6520

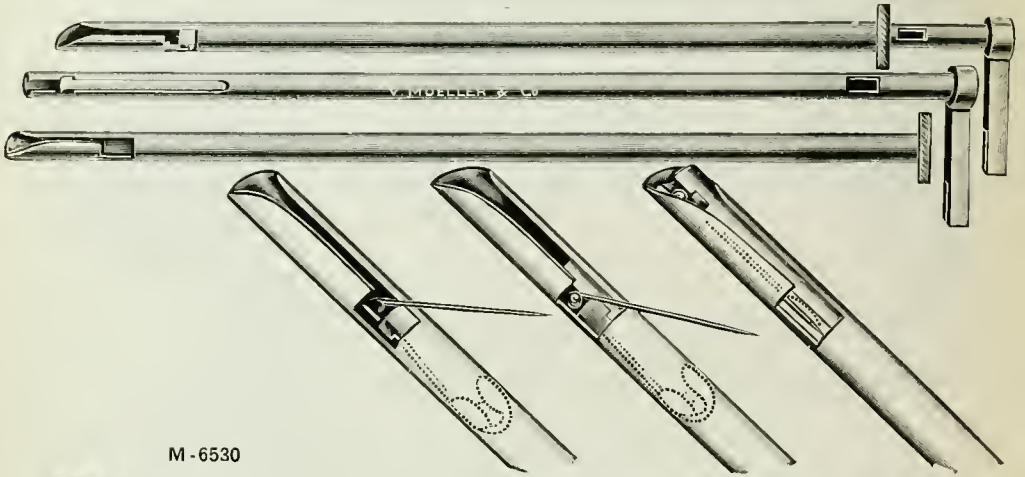


M-6525

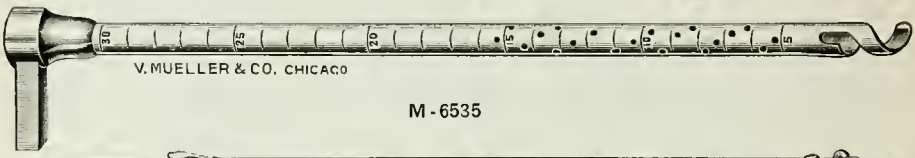
INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

M-6490	Aspirator for blood and mucous, Bruening's, with two tubes	$6 00
M-6495	Aspirator, Jackson's, with two tubes, pump entirely of metal. Complete	12 00
M-6495A	Aspirator, V. Mueller & Company's, similar to figure 5430, page 163, with two tubes	8 00
M-6500	Sponge holder, Coolidge's, for bronchoscopes and oesophagoscopes, each	1 50
M-6505	Sponge holder, Jackson's, with 4½-inch collar. Made entirely of steel. The long collar prevents being caught at the bottom of the tube.	2 25
M-6510	Sponge holder, Dabney's, of twisted wire, flexible	1 25
M-6515	Foreign body probes and foreign body hooks. Made in two lengths, each	75
M-6520	Foreign body screw, Richardson's, serviceable in extracting semi-hard foreign bodies	1 50
M-6525	Cautery electrode laryngeal, Jackson's, for use through laryngeal speculas	2 25

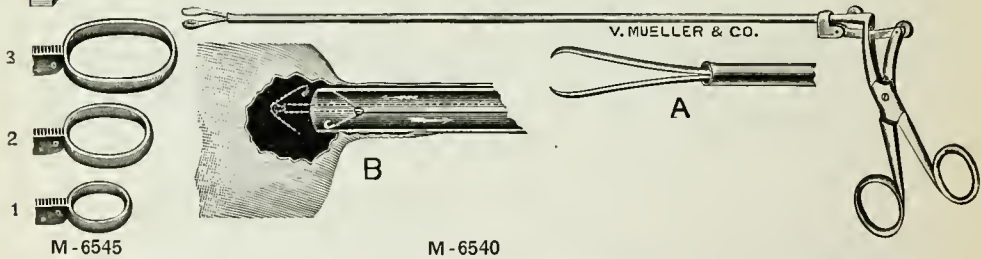
Do not mutilate catalogue.—Specify section letter and number in ordering.



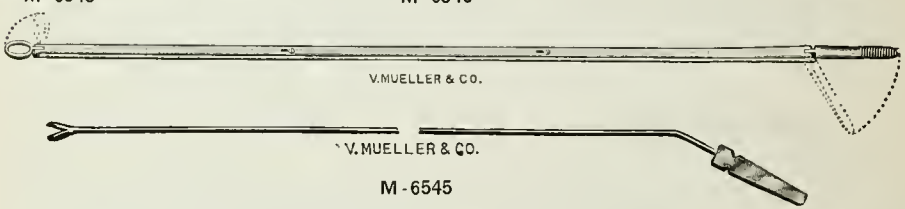
M-6530



M-6535



M-6545 M-6540



M-6545

INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

M-6530 Tube, Mosher's, for closing and removing open safety pins. Also adapted for glass headed or ordinary brass pins. Directions for manipulating accompany each tube. Price $20 00

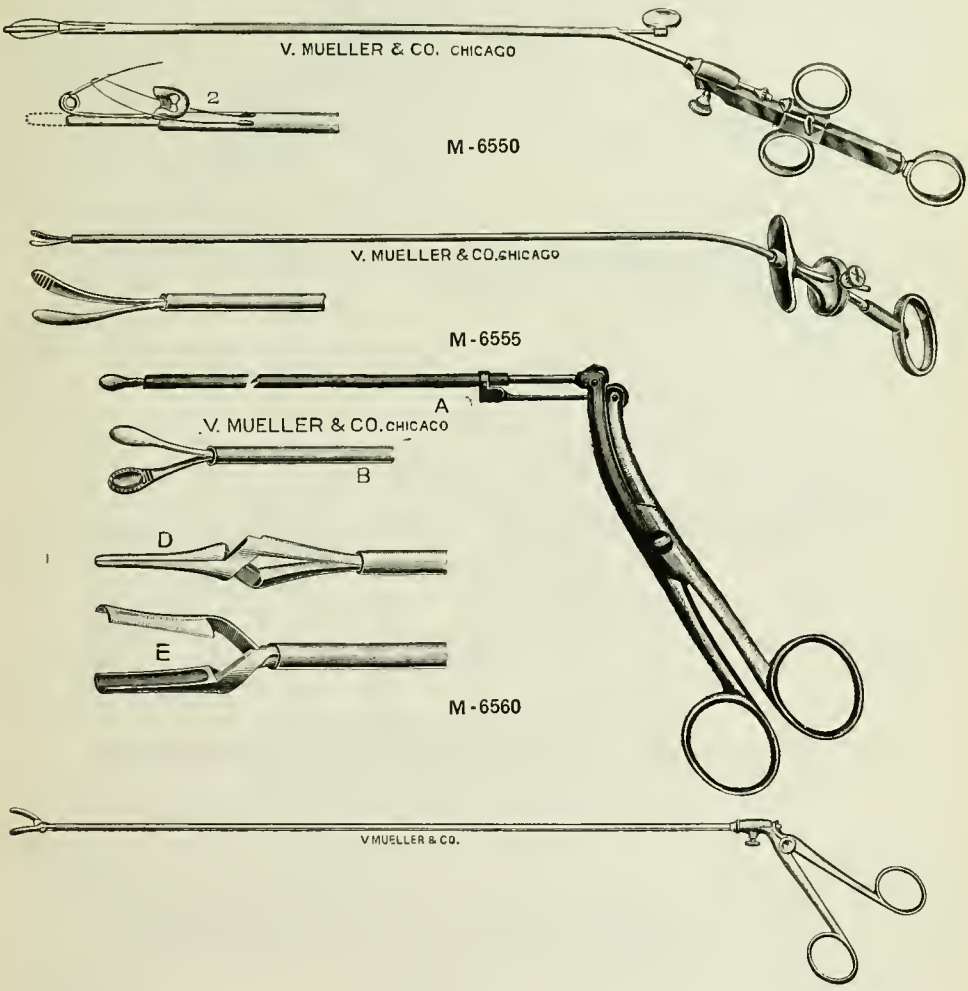
M-6535 Tube, Ingals', for finding and extracting pins..... 10 50

Dr. Mosher's and Dr. Ingals' pin extracting tubes are arranged for use with Bruening's electroscope.

M-6540 Forceps, Jackson's, for grasping and pushing open safety pins in the stomach for turning. A illustrates point of forceps. B illustrates method of procedure. Forceps complete $10 00

M-6545 Safety pin closer, Jackson's, made in three sizes as illustrated. Complete with instrument for pushing pin into ring..... 7 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

M-6550 Instruments for closing and extracting safety pins, Hubbard's, made in two lengths, 14 and 16 inches $9 50

M-6555 Forceps, Ingals', for applying gauze sponges through bronchoscopes..... 8 50

M-6560 Tube forceps, Jackson's, latest model very slender, 36 cm. long, $9 00; 60 cm.... 10 00

Figure B illustrating actual size of tube and jaws of forceps.

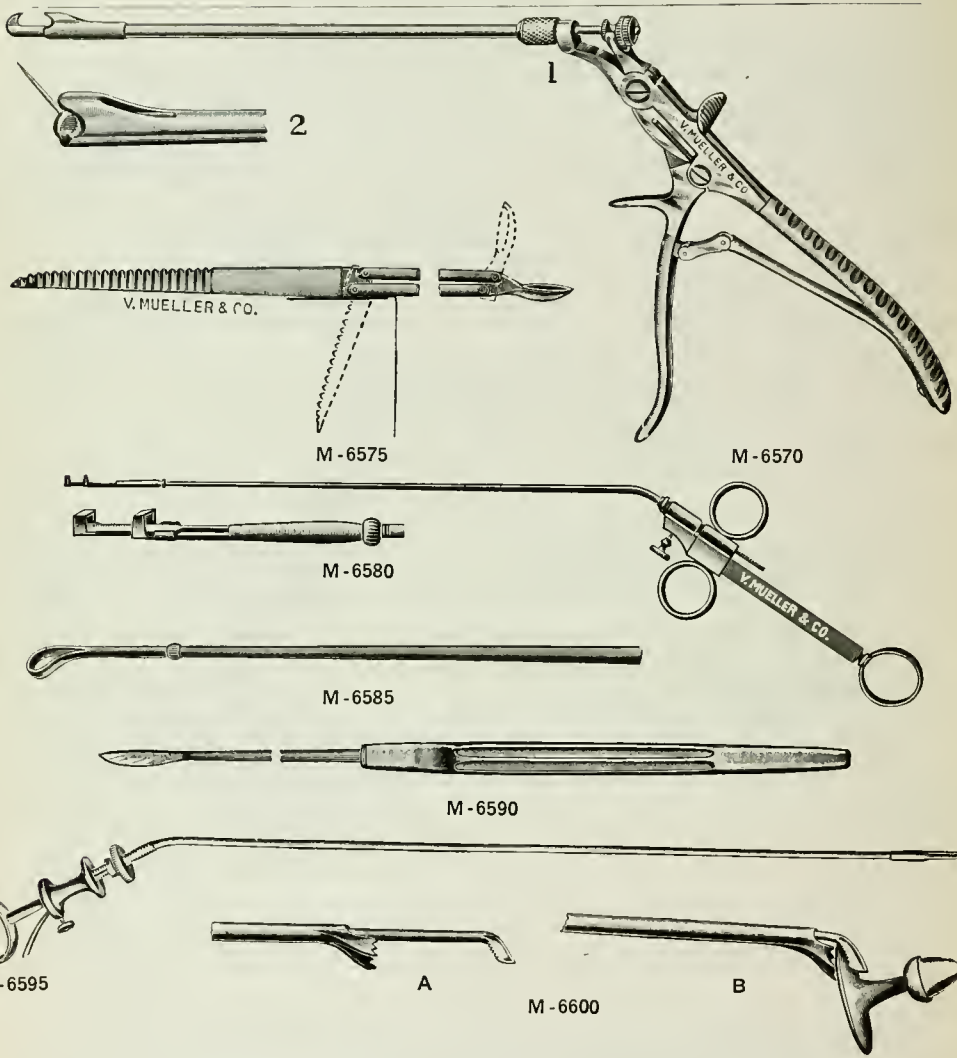
M-6560D Dilator, Jackson's, small for bronchoscopic strictures, $10 50; without scissor handle 7 00

M-6560E Dilator, Jackson's, large for bronchoscopic strictures, $10 50; without scissor handle 7 00

These dilators can be used in connection with Jackson's tube forceps handle.

M-6565 Tube forceps, Killian-Little's, with alligator jaw for grasping foreign bodies, can be turned and set in every direction. Made in three lengths, 19 cm., $7 50; 40 cm., $8 50; 56 cm 9 50

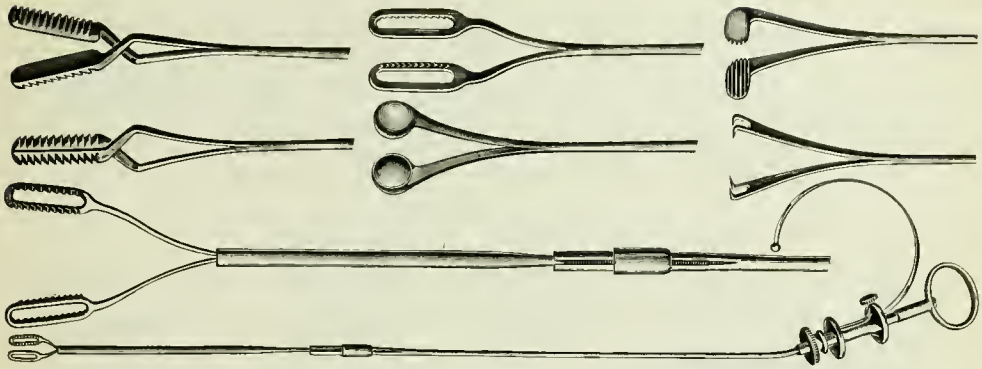
Do not mutilate catalogue.—Specify section letter and number in ordering.



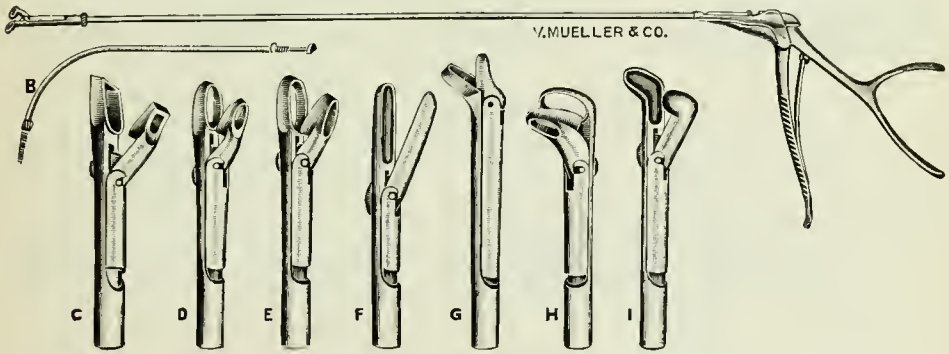
INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

M-6570	Bronchoscopic pin cutter and fragment holder, Casselberry's. The cutting blade of this instrument is beveled on one side and before using instrument one should be sure that the beveled side of the blade is on the side of the pin point, otherwise the instrument would not retain the pointed fragment as indicated in the illustration. The blade is Universal and can be turned and set in the position required	$18 00
M-6575	Mechanical spoon, or bean extractor, Jackson's	7 50
M-6580	Laryngeal cutting forceps, Corde's, for use through Jackson's, Ingals', or any other direct laryngeal specula. Cutting tip is reversible. Five sizes. See figure M-6335, page 193. Forceps with one tip	12 50
M-6585	Laryngeal curette, Bruening's, reversible, with handle bent on angle, each	3 75
M-6590	Laryngeal knife, Jackson's	2 50
M-6595	Laryngeal snare, Bruening's	7 50
M-6600	Button forceps, Bruening's, with handle like figure 6595	6 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-6605



M-6610

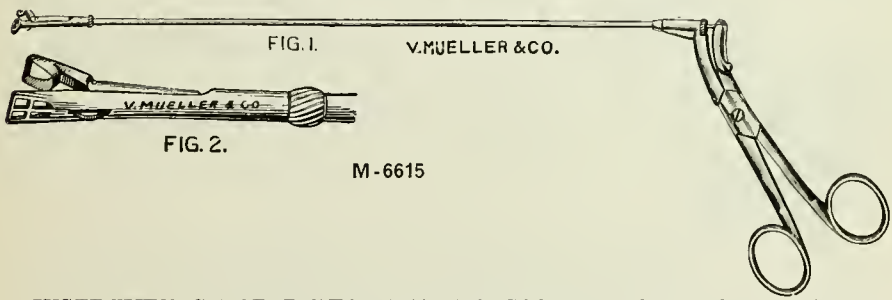


FIG. 2.

M-6615

INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

M-6605 Tube forceps, Bruening's, for laryngeal, bronchial, and esophageal work, with five attachments for grasping, cutting, etc.....$15 00

These forceps can be extended to any length that may be required. The shank and grasping blades are very slender and can be employed through the smallest tube.

M-6610 Universal forceps, V. Mueller & Company's, for laryngeal, bronchial and esophageal work. With one tube 20 cm., 40 cm. or 56 cm. long, and one Jackson cutting tip with basket to hold debris.....$18 50

M-6610A Cutting tips, Jackson's, for laryngeal, bronchial and esophageal work. Figures C, D, E, G, and H, all cutting tips have basket like figure 2, each..... 7 50

Figures F and I, cutting as illustrated or serrated for grasping purposes, each 5 50

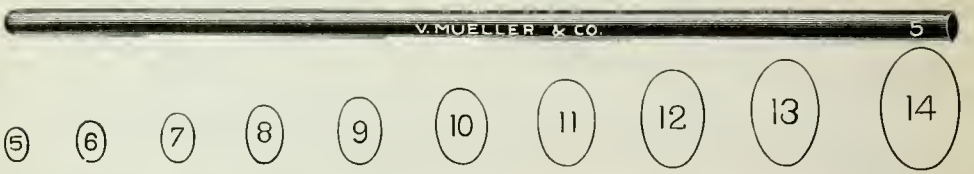
M-6615 Cutting forceps, Jackson's, with scissor handle for laryngeal, bronchial and esophageal work. Made in two lengths, 40 cm. and 56 cm. long. With one cutting tip, figure 2, or any of those described under 6610A..... 17 50

All cutting and grasping tips are reversible.

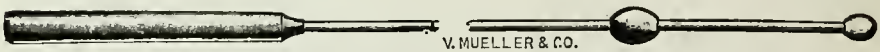
Do not mutilate catalogue.—Specify section letter and number in ordering.



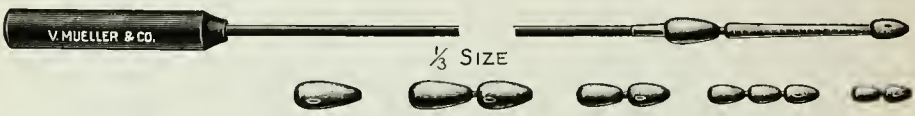
M-6620



M-6625



M-6630



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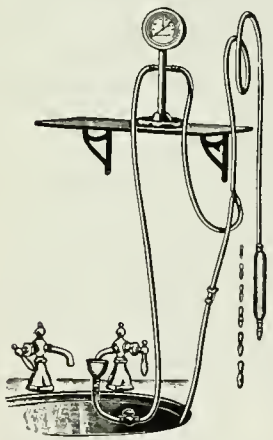

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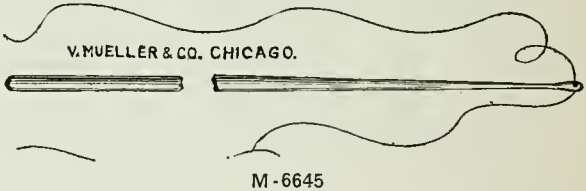
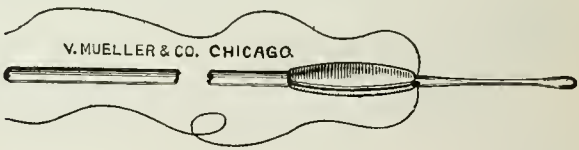


M-6645



M-6650

ESOPHAGEAL STRICTURE DILATORS, ETC.

M-6620 Dilating bougies, for stricture of the esophagus. Sizes 20 to 36 French, each..... $1 25
Sizes 38 and 40, each 1 50
These bougies are made in even numbers only.

M-6625 Dilating bougies for stricture of the esophagus, McKenzie-Ingals', oval, in sizes 5 to 14 English scale; 3 to 8, each, $1 25; 9 to 14, each..... 1 50
Bougies described under No. 6620 and 6625 are made of English linen and flexible.

M-6630 Dilating bougies for stricture of the esophagus. Bunte's, modified by Jackson. Made in eight sizes, each 1 50

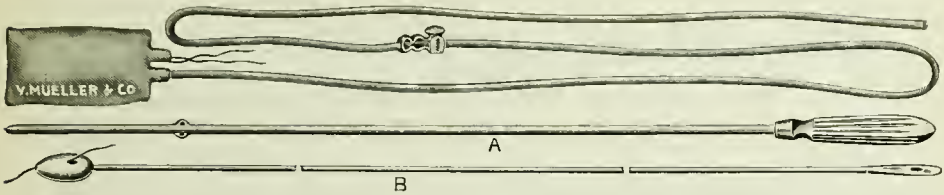
M-6635 Esophageal dilator, Plummer's, with set of 12 metal olives, and spiral tip. Six olives are perforated from the front to the side for the purpose of passing same over silk thread. Outfit complete 7 50

M-6640 Apparatus for dilating cardiospasms, Plummer's. With pressure gage, water connection, tubing, dilating bag, and set of metal olives..... 20 00

M-6645 Esophageal string probe, Jackson's 1 50

M-6650 String cutting esophagotome, Jackson's 2 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



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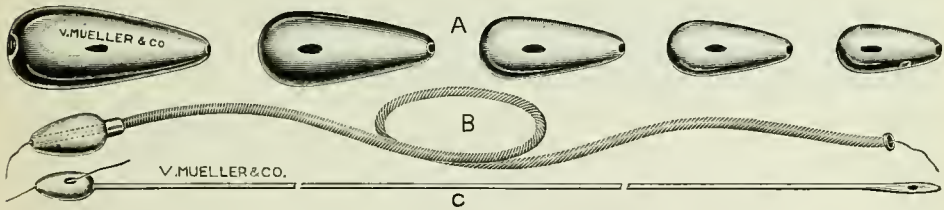
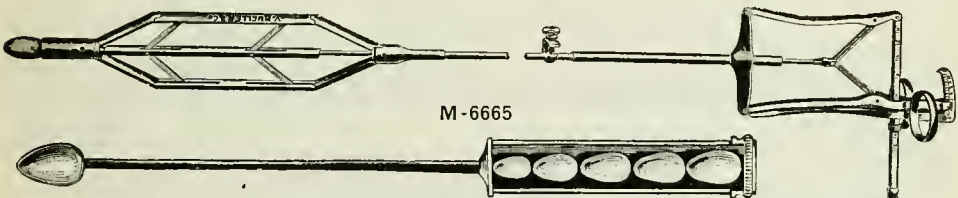
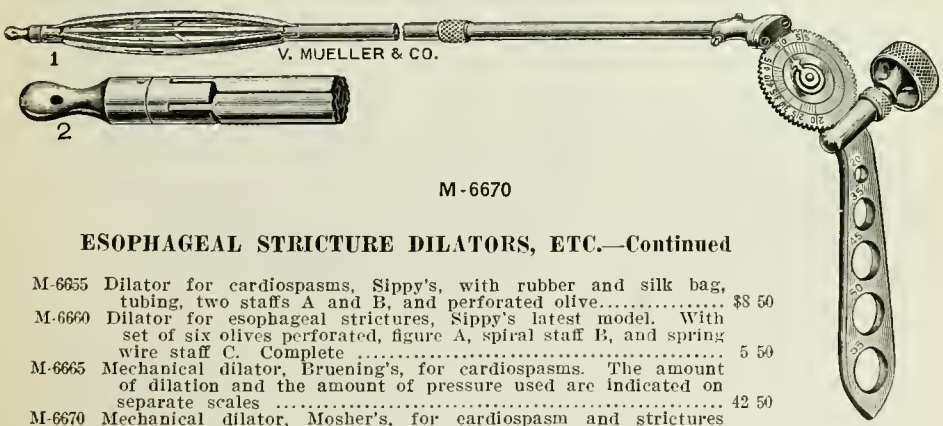


M-6660



M-6665

M-6675



M-6670

ESOPHAGEAL STRICTURE DILATORS, ETC.—Continued

M-6655 Dilator for cardiospasms, Sippy's, with rubber and silk bag, tubing, two staffs A and B, and perforated olive..... $8 50

M-6660 Dilator for esophageal strictures, Sippy's latest model. With set of six olives perforated, figure A, spiral staff B, and spring wire staff C. Complete 5 50

M-6665 Mechanical dilator, Bruening's, for cardiospasms. The amount of dilation and the amount of pressure used are indicated on separate scales 42 50

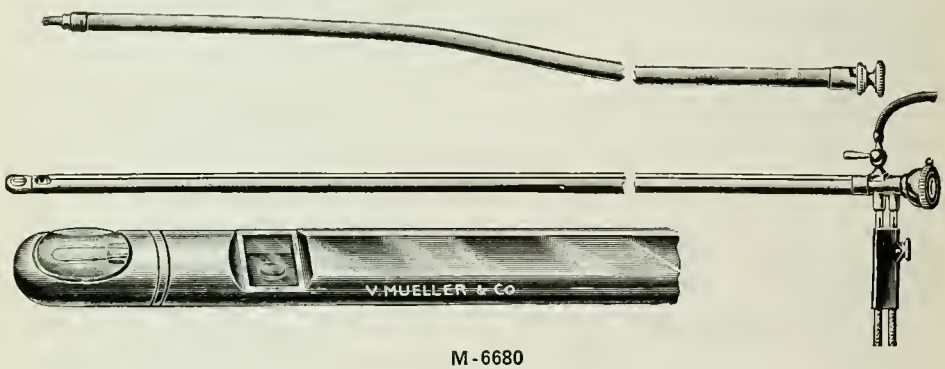
M-6670 Mechanical dilator, Mosher's, for cardiospasm and strictures of the esophagus. The amount of dilatation is indicated on a dial and the olive and distal end is perforated for the purpose of passing dilator over silk thread..... 45 00

M-6675 Esophageal dilator and six olives contained in handle, with spiral metal stem 2 75

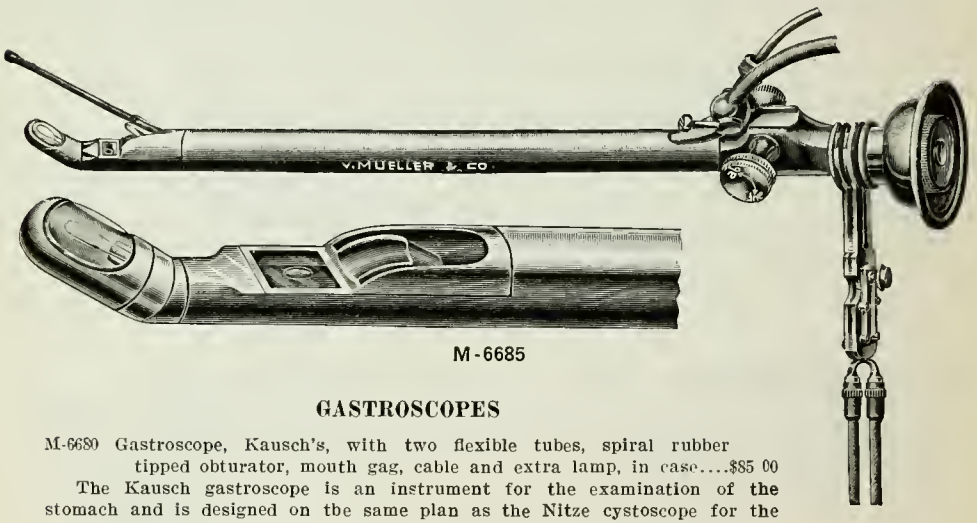
With whalebone stem 4 00

Dilator with whalebone stem is to be recommended in preference to the spiral wire stem.

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-6680



M-6685

GASTROSCOPES

M-6680 Gastroscope, Kausch's, with two flexible tubes, spiral rubber tipped obturator, mouth gag, cable and extra lamp, in case....$85 00

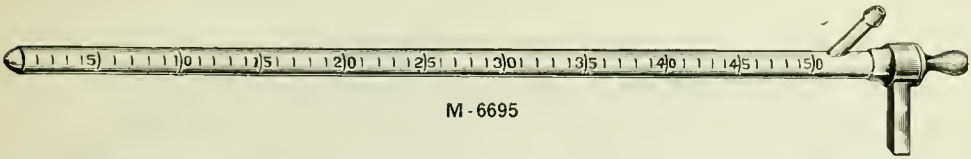
The Kausch gastroscope is an instrument for the examination of the stomach and is designed on the same plan as the Nitze cystoscope for the bladder, with the exception that the distal end is straight instead of curved as in a cystoscope.

The upper side of the instrument is flat and when the gastroscope is introduced through the flexible tube a space for the passing of air is formed for the purpose of distending the stomach. When the stomach is distended with air, one can, with this instrument, examine the walls of the stomach in every direction for a distance of from 3 to 5 inches according to circumstances.

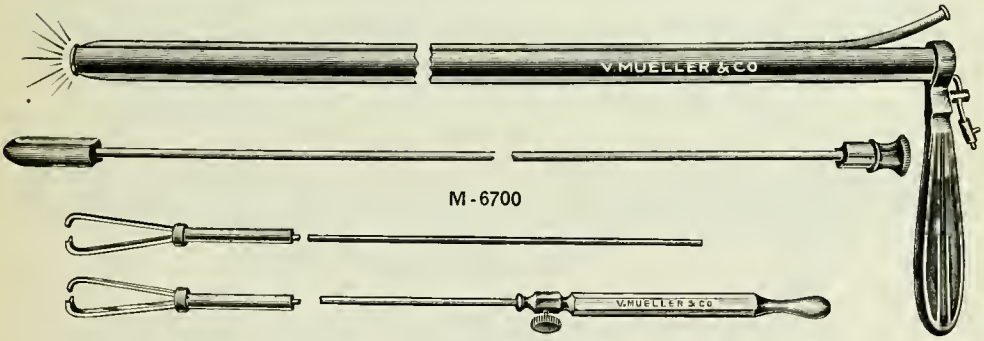
A flexible tube similar to a stomach tube with a spiral rubber tipped obturator is first introduced and after withdrawing the obturator the gastroscope proper is introduced through the flexible tube. This prevents injury to the esophagus from the passing of the instrument.

M-6685 Esophagus-gastroscope, Rovsing's, for examination and retrograde introduction of bougies for the purpose of dilating esophageal strictures. Complete with cable, extra lamp, dilating bulb, and silk bougie, in case.....$75 00

Other gastroscopes now in the market, such as Foramit's, Elsner's, Loening-Stieda, Sussman's, Beck's, etc., can be imported by us for our customers in the shortest possible time, owing to our close connections with European manufacturers.

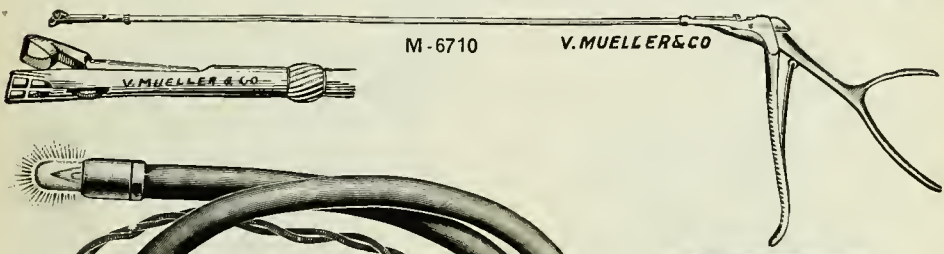


M-6695



M-6700

A M-6705



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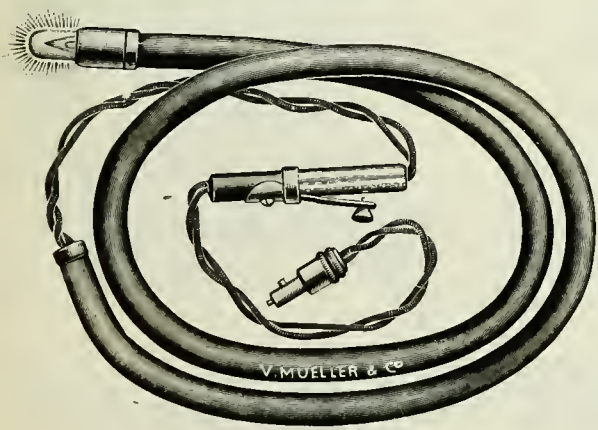

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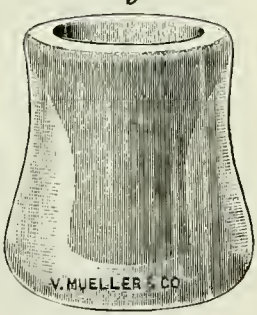

M-6720

GASTROSCOPES AND INSTRUMENTS FOR GASTROSCOPY

M-6695	Gastroscope, Murphy's, for use with Bruening electroscope, with dilating window and bulb	$13 50
	Without dilating window and bulb	8 50
M-6700	Gastroscope, Jackson's, with light carrier and light and auxiliary channel for aspiration. Made in two sizes: 10 mm. by 70 cm.	21 00
	10 mm. by 80 cm.	24 00
M-6705	Sponge holders, Jackson's, for use through gastroscope	1 50
M-6705A	Universal handle for sponge holder	30
M-6710	Universal forceps, V. Mueller & Company's, with tube 75 to 85 cm. long, and Jackson cutting tip with basket for the purpose of cutting and retaining specimens for microscopic examination	19 50
M-6715	Gastrodiaphane, Einhorn's, for the transillumination of the stomach	7 50
M-6720	Crystal glass cup, Dean's, for cocain, etc.	85

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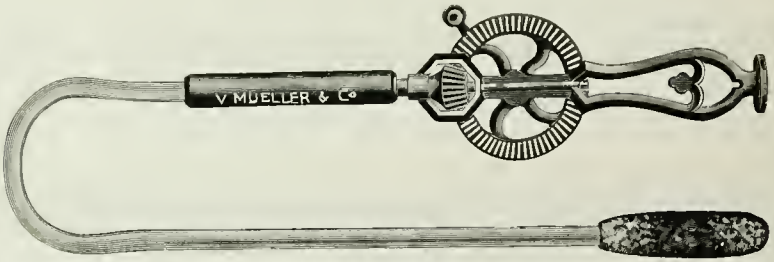
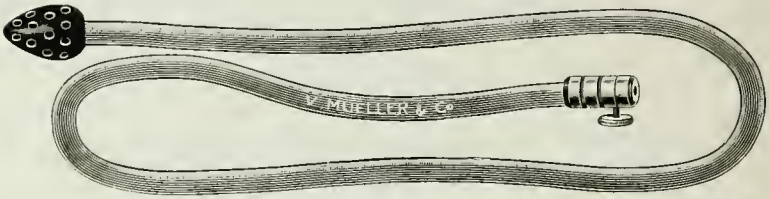


M-6725



M-6730



M-6735



M-6740



M-6745



M-6745A

STOMACH APPARATUS

M-6725	Gyromele, Turck's	$3 50
M-6730	Electrode, Einhorn's, intra gastric	2 00
M-6735	Intra gastric bag reservoir, Turck's. Complete as illustrated	3 50
M-6740	Diagnostic set for stomach, Einhorn's, containing one silver stomach bucket, three porcelain dishes, one glass rod, one pipette, one small glass bucket, one bottle Guenzberg's solution	4 50
M-6745	Intra gastric bag, Turck's	50
M-6745A	Intra gastric bag, Turck's, improved	50

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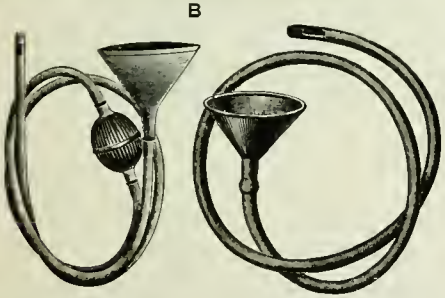

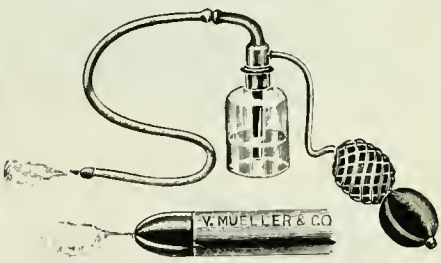

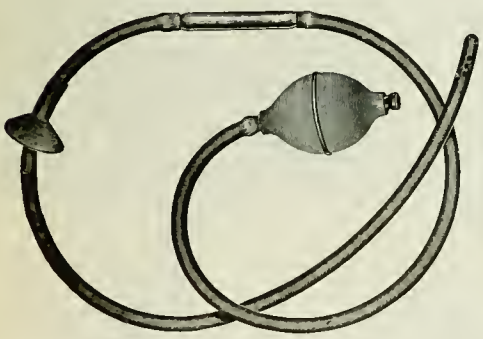

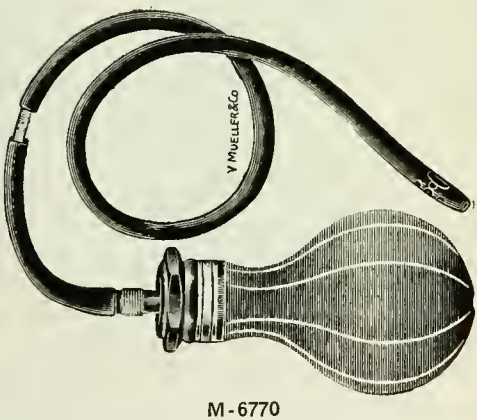

STOMACH APPARATUS—Continued

M-6750	Stomach tube, Turck's latest, double	$1 75
M-6755	Stomach tube, with bulb and funnel, with open end and side opening like figure A, or closed and on 2 side openings like figure B	1 75
M-6760	Stomach tube, with funnel, open end and side opening like figure A, or closed end and two side openings like figure B	1 50
M-6760C	Stomach tube, Ewald's, 30 inches long	1 50
M-6760D	Stomach tube, Rosenheim's, perforated, closed end, 30 inches long	1 75
M-6765	Stomach tube with bulb, Chase's	1 50
M-6770	Stomach evacuator, Ewald's	4 50
M-6775	Gastric spray, Einhorn's	4 00

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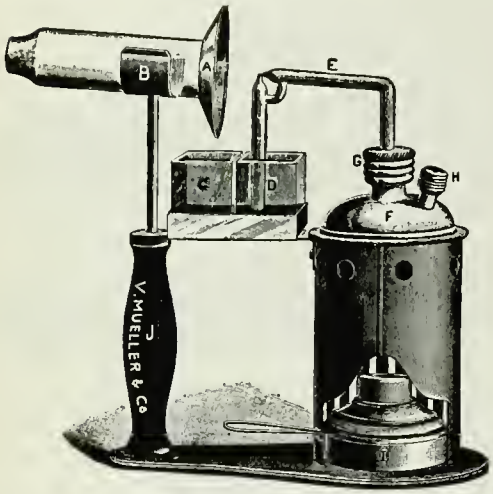
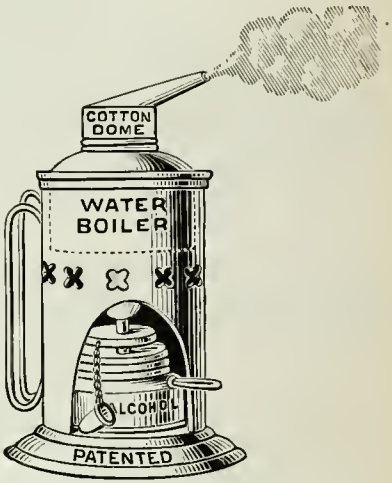


M-6780



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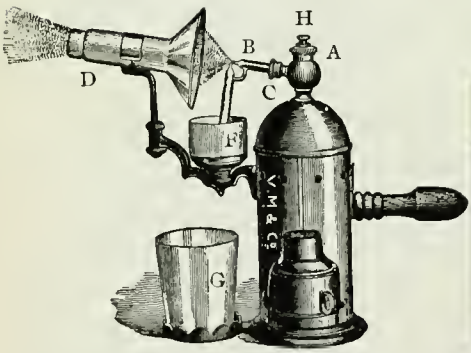
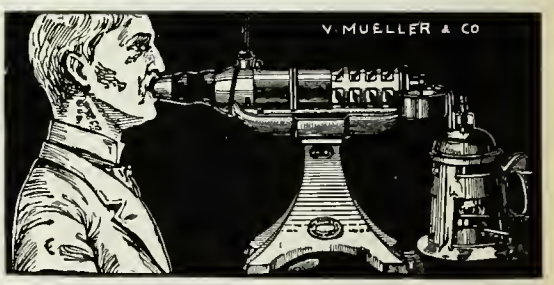


M-6790



M-6795

STEAM ATOMIZERS

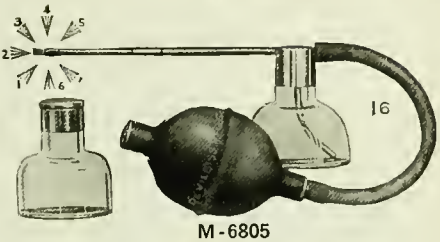
M-6780 Steam atomizer, V. Mueller & Co..... $1 50
M-6785 Steam atomizer, Simplex, made in three sizes: No. 1, $1 50; No. 3..... 2 00
No. 4 for benzoine, $0 75; No. 2 vaporizer 1 00
M-6790 Steam atomizer, Boekel, made of heavy brass nickel plated..... 3 50
M-6795 Thermo-variator, Bulling's. Complete as illustrated, net..... 20 00

The problem of reducing medicinal substances to a form so finely sublimated that they would reach the remotest parts of the respiratory organs and in sufficient quantities to produce salutary effect upon the diseased structures by means of an inhaling apparatus independent of temperature and humidity, has been solved by Bulling with his thermo-variator.

Complete description and direction for use accompany each apparatus.

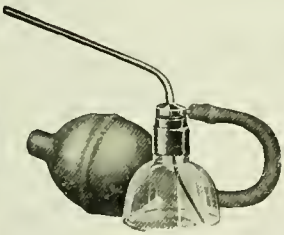
Do not mutilate catalogue.—Specify section letter and number in ordering.


M-6800



M-6805


M-6810


M-6815


M-6820


M-6825


M-6830

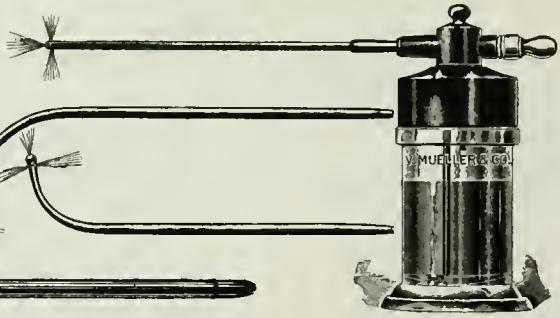

M-6835


M-6840

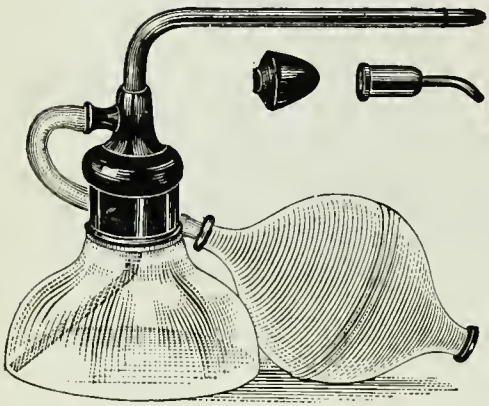

M-6845

ATOMIZERS AND NEBULIZERS

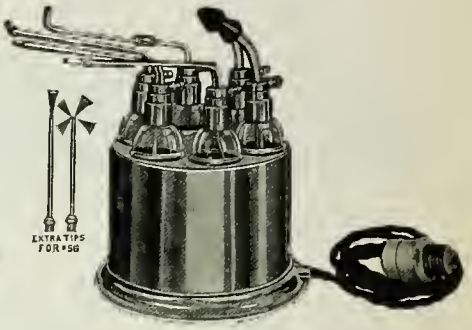
M-6800	Atomizer, DeVilbiss, No. 9, all metal, with Universal spray tip	$1 25
M-6805	Atomizer, DeVilbiss, No. 16, for oil, aqueous or alcoholic solutions, with Universal spray top and extra bottle	1 25
M-6810	Atomizer, DeVilbiss, No. 29, for oil and water	50
M-6815	Atomizer, DeVilbiss, No. 25, for oil only	50
M-6820	Nebulizer, DeVilbiss, No. 41	1 00
M-6825	Double nasal tip, can be attached to any of the DeVilbiss nebulizers	25
M-6830	Nebulizer, DeVilbiss, No. 45, with extra large bottle and base	1 50
M-6835	Nasal atomizer, DeVilbiss, No. 21, for oil or water, with tube and tip attached it can be used as a vaporizer	65
M-6840	Nasal atomizer, DeVilbiss, No. 20	50
M-6845	Nebulizer, Pynchon's, for use with compressed air	1 50
	Bulb for Pynchon nebulizer, for hand use	35



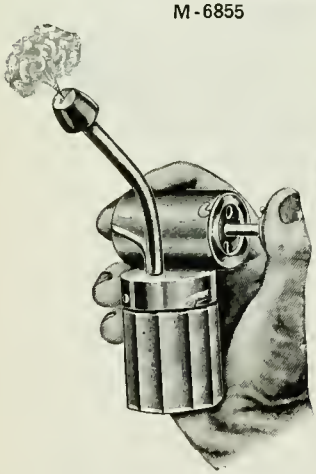
M-6850



M-6855



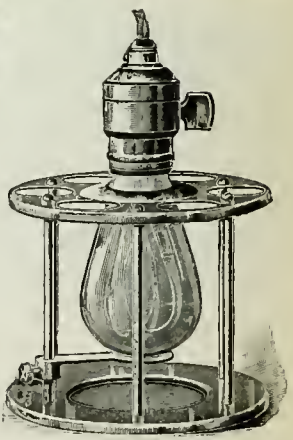
M-6870



M-6860



M-6865



M-6875

ATOMIZERS AND SPRAY HEATERS

M-6850	Universal atomizer, Hawley's, with nasal, post nasal, and throat tip. Made entirely of hard rubber and glass, for compressed air	$1 75
	Pure silver tube, straight for nasal use	1 50
	Bulb for Hawley atomizer, for hand use	35
M-6855	Atomizer, Monarch, No. 2, with three tips	90
M-6860	Atomizer and medicalizer, Sam's	1 50
M-6865	Atomizer, Monarch, No. 1	75
M-6870	Spray heater, electric, DeVilbiss, with electric socket, 12 feet of cord and plug	5 40
M-6870A	Wall bracket for DeVilbiss spray heater	1 50
M-6875	Spray heater, DeVilbiss, open pattern for six or seven sprays, without electric attachment	2 00

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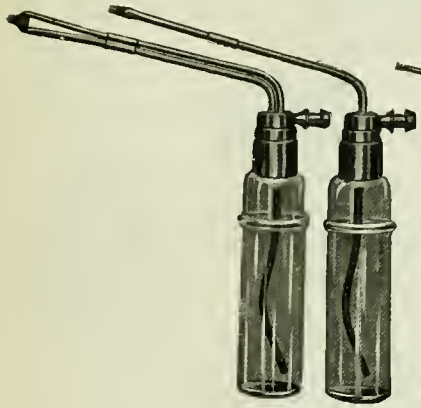
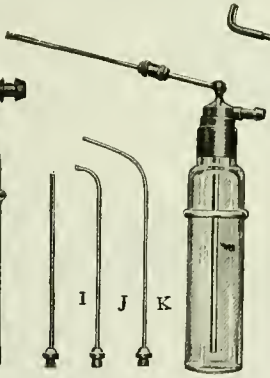


M-6880



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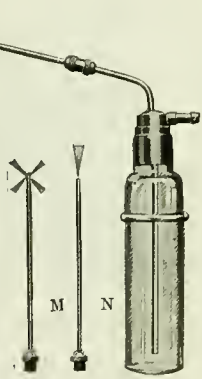
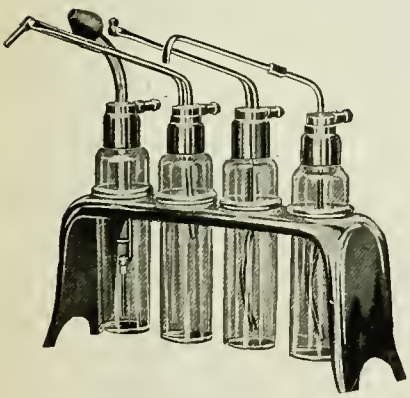


M-6890



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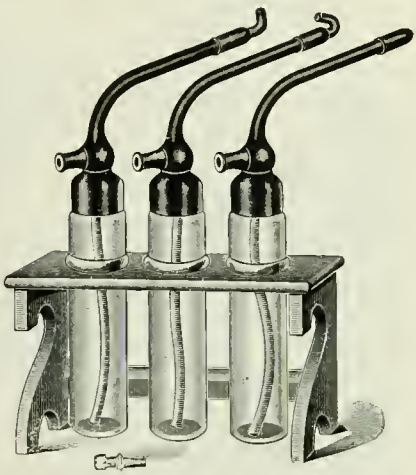

M-6900

ATOMIZERS AND NEBULIZERS FOR COMPRESSED AIR

M-6880	Atomizer, DeVilbiss, No. 53, for oil, aqueous or alcoholic solution. Sprays in any direction	$1 00
M-6880A	Atomizer, DeVilbiss, No. 52, for oil, aqueous, or alcoholic solution. Sprays in any direction laterally	1 00
M-6885	Atomizer, DeVilbiss, No. 57	1 00
	Frontal sinus tip "K," silver, extra	1 00
	Antrum tube "J," silver, extra	1 00
	Washing tube "I," nickel plated, extra	25
M-6890	Atomizer, DeVilbiss, improved, No. 56, complete as illustrated, with tip "M"	1 50
M-6895	Set of atomizers, nebulizers and powder blower in metal nickel plated rack. Complete	5 00
M-6895A	Rack with six instruments	7 25

These sets can be made to contain three, four or six atomizers, powder blowers or nebulizers as selected.

M-6900	Set of atomizers, Davidson's, made entirely of hard rubber and glass, tips platinum lined. Set	$3 00
M-6900A	Set of atomizers, hard rubbers, similar to 6900	2 50

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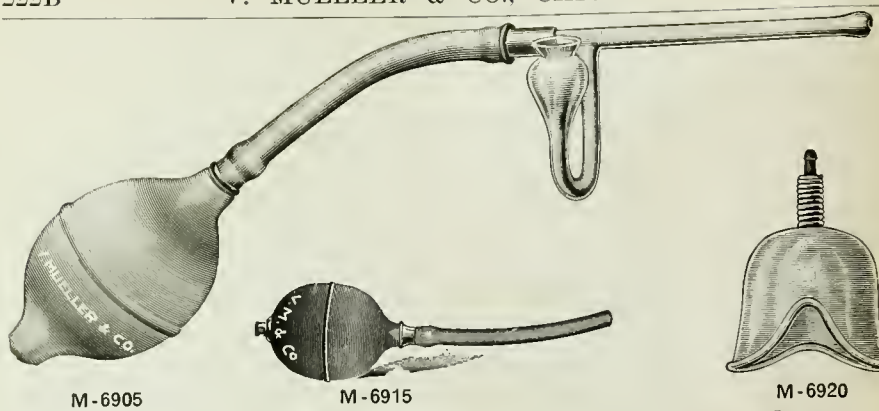
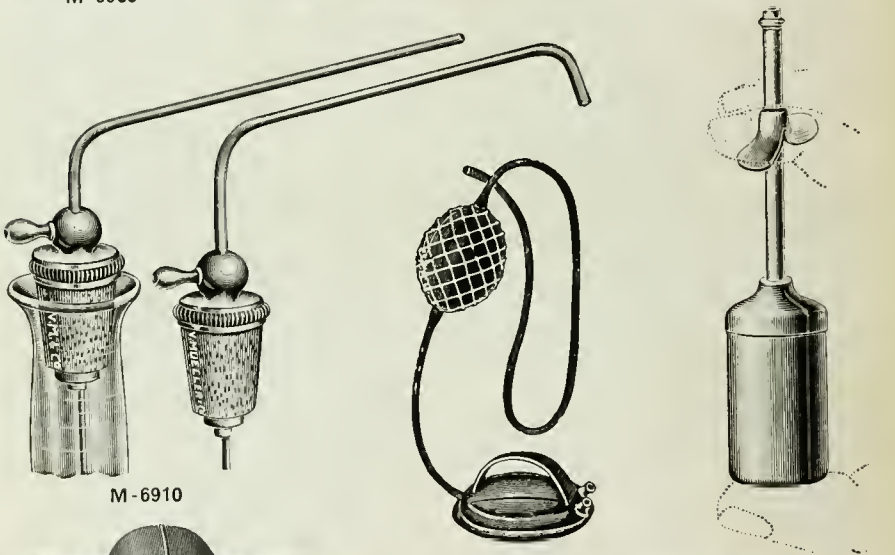
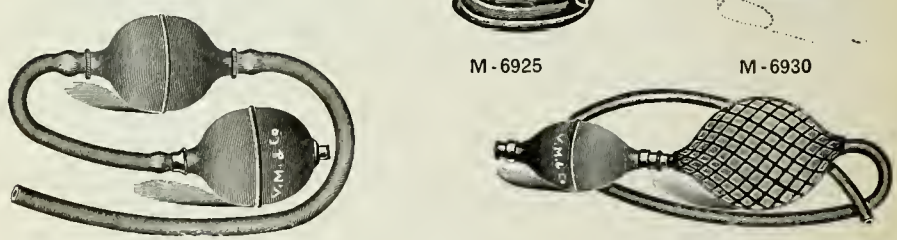


M-6905 M-6915 M-6920



M-6910 M-6925 M-6930



M-6935 M-6940

SUNDRIES

M-6905	Cocain spray, McElroy's, made entirely of glass	$1 00
M-6910	Cocain spray, Frankel's, set of two with one bottle for nose and throat	2 75
M-6915	Atomizer bulb, ordinary white, $0 30; best grade maroon rubber	40
M-6920	Inhaler mask, made of glass	1 00
M-6925	Rubber foot bellows for anaesthetic apparatus and Paquelin cautery	3 75
M-6930	Metal pump for cocain sprays and atomizers	85
M-6935	Double atomizer bulb of ordinary white rubber	75
M-6940	Double atomizer bulb, of black or red imported pure gum rubber	1 25

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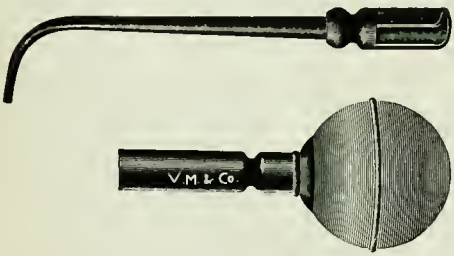
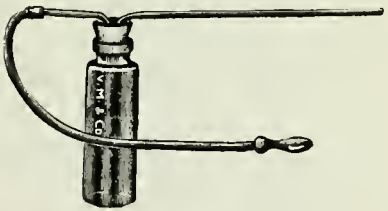
M-6945



M-6950



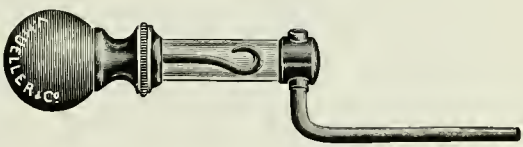
M-6955



M-6960



M6965



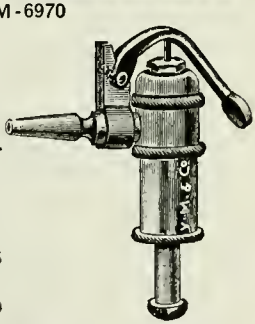
M-6970



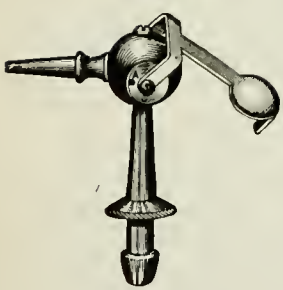
M-6975

POWDER BLOWERS AND AUTOMATIC CUT-OFFS

M-6945 Powder blower, DeVilbiss, No. 34	$1 25
M-6950 Powder blower, DeVilbiss, No. 36	1 00
M-6955 Powder blower, with scoop, hard rubber	65
M-6960 Powder blower, Bishop's, hard rubber	35
M-6965 Powder blower, Stolte's, hard rubber	1 00
M-6970 Powder blower, Gersuny's	1 35
M-6975 Automatic cut-off, Globe	1 00
M-6980 Automatic cut-off, Davidson's	1 00
M-6985 Automatic cut-off, Boekel's	1 25
M-6990 Automatic cut-off, Bishop's	1 75



M-6980



M-6985



M-6990

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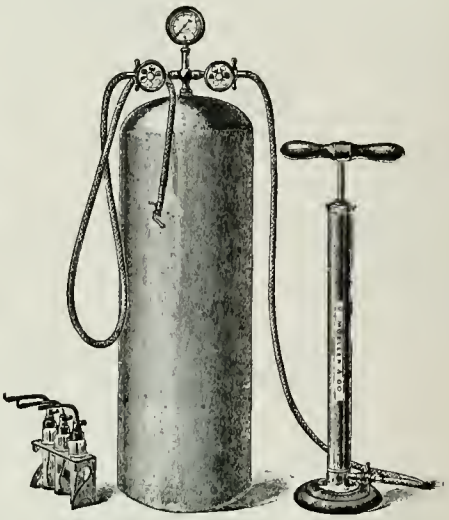
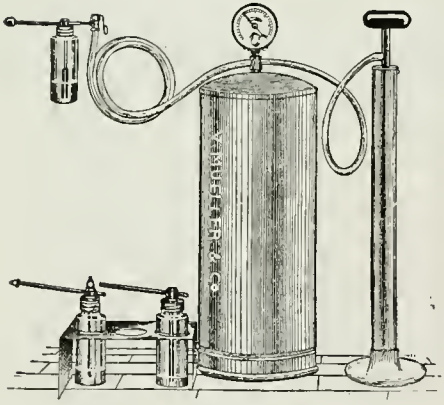
M-6995



M-7000



M-7005



M-7010

COMPRESSED AIR APPARATUS

M-6995 Compressed air apparatus, V. Mueller & Company's, No. 1, with seamless steel tank 12 by 36 inches, with three way cross-cock, silk covered tubing, automatic cut-off, T pump, and set of three Davidson's or DeVilbiss' sprays. Tank finished in aluminum bronze or imitation oak $35 00

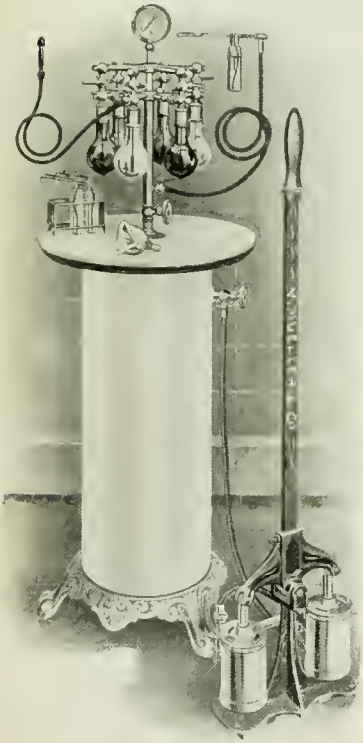
M-7000 Compressed air apparatus, V. Mueller & Company's, No. 2, with two way cross-cock, T pump, silk covered tubing and automatic cut-off, set of three Davidson or DeVilbiss sprays, tank copper nickel plated, 10 by 25, $26 50; tank 10 by 30 ..... 27 50

M-7005 Compressed air apparatus. Tank 6 by 14, with gauge, T pump, two sprays and one nebulizer 13 50

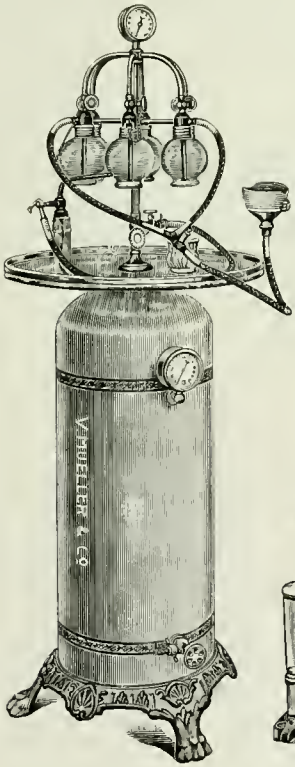
M-7010 Compressed air apparatus, Ingals' portable. Complete, as illustrated, with one spray 12 00

Extra sprays, each 1 00

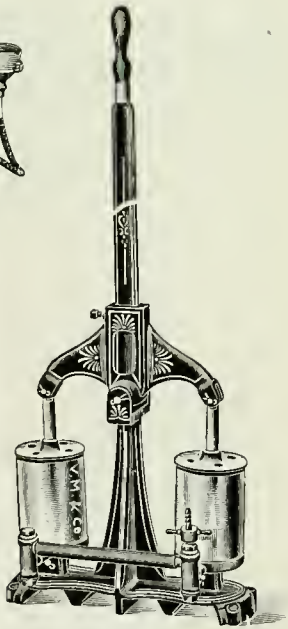
Do not mutilate catalogue.—Specify section letter and number in ordering.



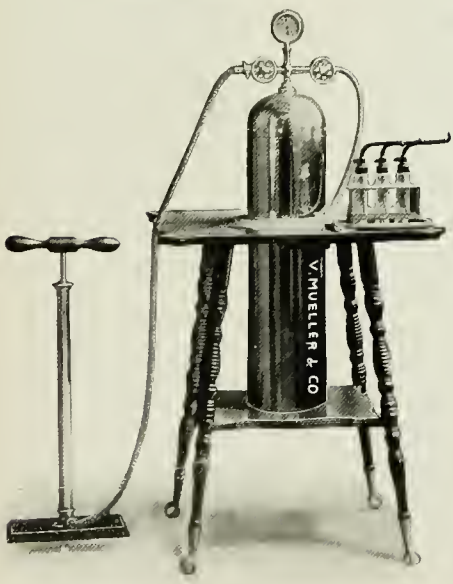
M-7015



M-7020



M-7025



M-7030

NEBULIZERS AND COMPRESSED AIR APPARATUS

M-7015 Nebulizer and compressed air apparatus, six bottle type, with milk white glass table and white enameled air receiver, 12 by 30. Resting on an iron base of ornamental design. Finished in gold bronze. With double lever pump, set of sprays, and glass face mask $86 00

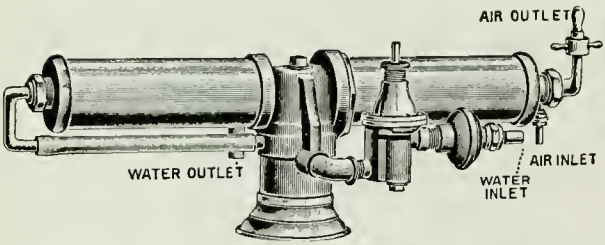
M-7020 Nebulizer and compressed air apparatus, with six globes, glass face mask, set of sprays and double lever pump. The table on top of tank is made of polished plate glass with nickel plated rim. Receiver is finished in aluminum bronze, mounted on gold bronze base. Receiver 20 by 30. Complete 75 00

M-7025 Double lever pump. This pump is carefully made, cylinders are nickel plated, balance of outfit japanned 10 75

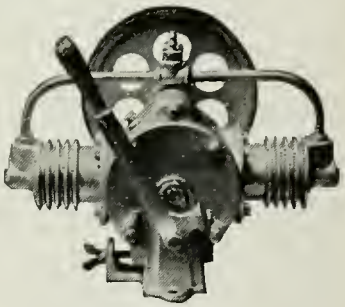
M-7030 Compressed air apparatus, V. Mueller & Company's, No. 3, with T pump, set of Davidson or DeVilbiss sprays, tank of copper, nickel plated, 10 by 25. Without table 23 50

With tank 10 by 30, without table.. 24 50

Outfit put in table as illustrated according to quality of table from $2 50 to $5 00.



M-7035



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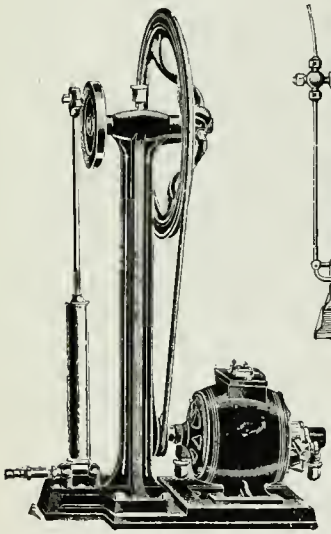
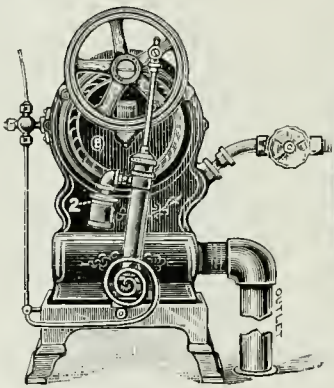
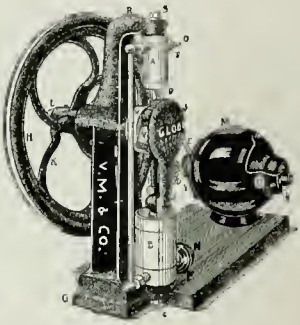


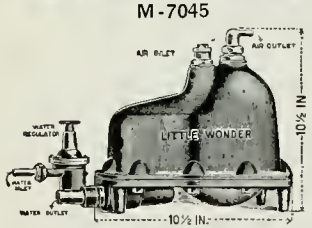
M-7045



M-7050



M-7055



M-7060

AIR COMPRESSORS FOR WATER AND ELECTRIC POWER

M-7035 Air compressor, Eureka, hydraulic, double action $27 50

M-7060 Air compressor, Little Wonder, hydraulic. This can be used only where the city water pressure is over 30 pounds..... 22 50

M-7045 Air compressor, Victor Electric, for alternating and direct current. 110 volt or 220 volt..... 55 00

M-7050 Air compressor, Boekel's hydraulic. This compressor can be used with a city water pressure as low as 15 pounds, and will pump up to 100 pounds of compressed air. This is considered the best hydraulic air pump that has ever been produced. Full description sent upon application 42 50

M-7040 Air compressor, V. Mueller & Company's. This compressor is designed to be used where the physician already has motive power available. A motor of not less than one-fourth horse power should be used. Made entirely of metal with steel rings on the piston 20 00

M-7055 Air compressor, Globe, for alternating 110 volt current..... 73 50

For direct 110 volt current..... 61 50

Do not mutilate catalogue.—Specify section letter and number in ordering.

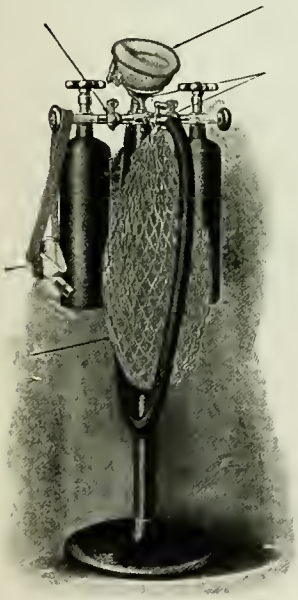
Section "N"

Anaesthetic Apparatus

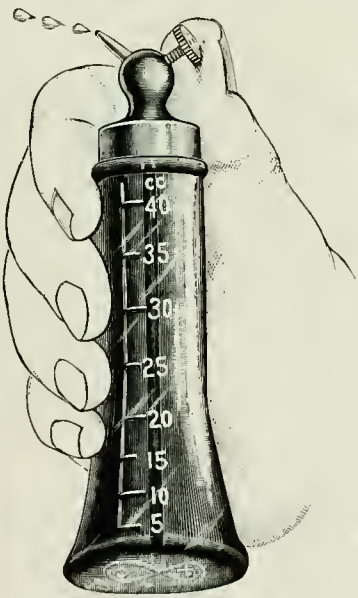
General Operating
Laparotomy

Gynaecological and
Obstetric Instruments

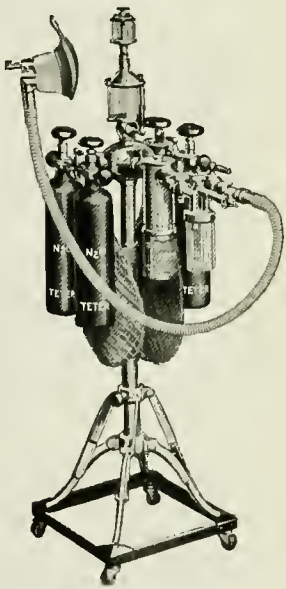
Physicians Leather Goods



N-5



N-10



N-15

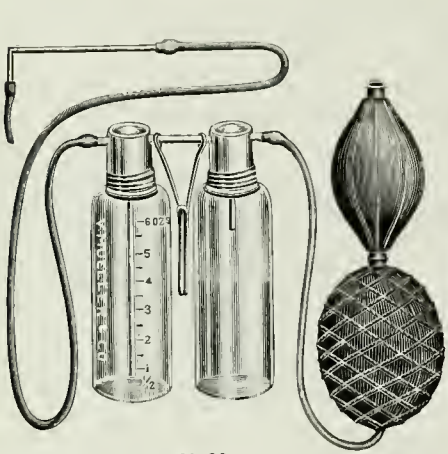
ANAESTHETIC APPARATUS

N-5 Clark-Hurd nitrous oxide gas apparatus; provides a safe means of administering nitrous oxide gas, no disagreeable after effects. Gas is the safest and with this apparatus the most satisfactory anaesthetic known.
Without cylinders $30 00

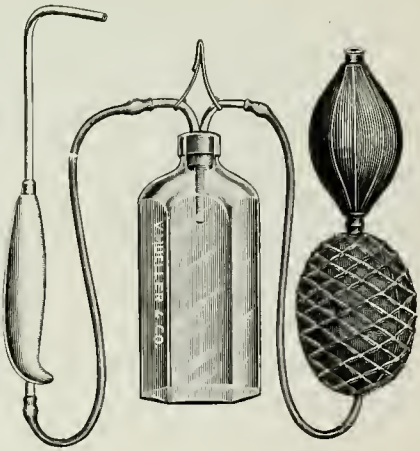
N-10 Pilling anaesthetic drop bottles, graduated to 40 cc 1 25

N-15 Teter Apparatus No. 1, for the scientific administration of nitrous oxide and oxygen, which can be administered alone or in definite proportions with any general anaesthesia, namely, nitrous oxide chloroform, ether, etc.
Complete, (not including cylinders and gas) 150 00
Teter apparatus No. 2, (not including cylinders and gas) 85 00
Teter vapor warmer for above, extra 25 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-20



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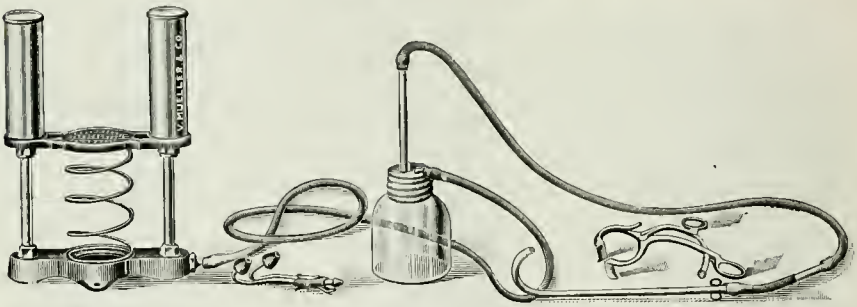
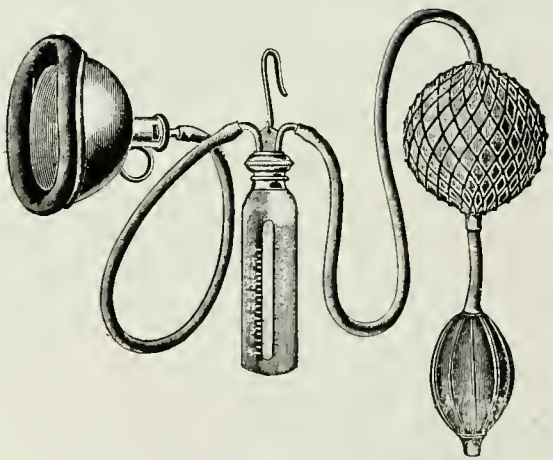


N-30

N-35

ANAESTHETIC APPARATUS—Continued



N-40

N-20 Brophy's latest improved inhaler for chloroform or ether. Capacity of bottle 6 oz. Complete.... $9 00

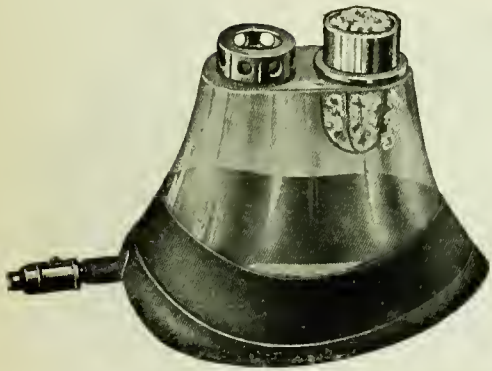
N-25 Killian's latest inhaler for chloroform or ether 7 50

N-30 Miller's anaesthetic apparatus for chloroform or ether, consisting of foot pump, container for anaesthetic, curved tube, mouth gag and double adjustable nasal tube with tips 22 50

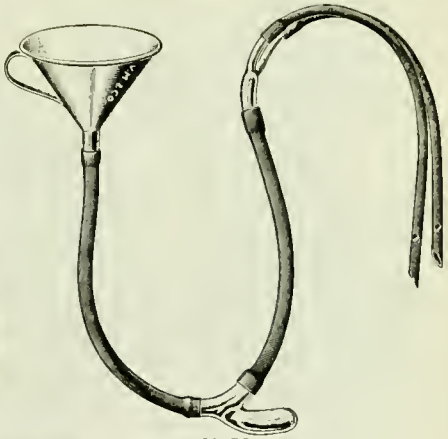
N-35 Jansen's mouth gag with Miller's tube attached for anaesthetic purpose..... 6 50

Anaesthetic apparatus No. N-20, N-25 and N-30 are especially adapted for anaesthetizing patients and keep them under anaesthesia during operations in the mouth and throat.

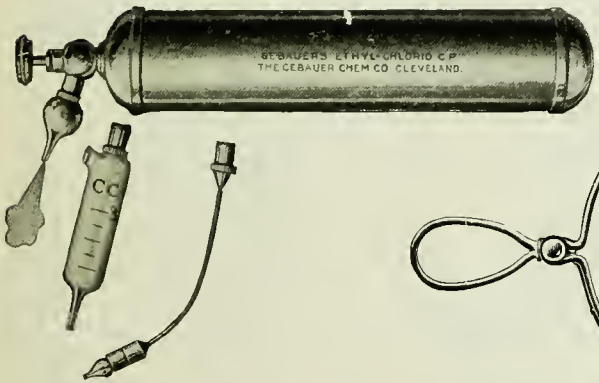
N-40 Junker's inhaler, complete with bulb..... 9 00



N-45



N-50



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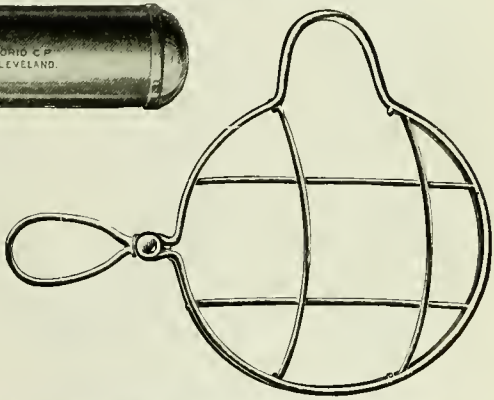


N-60



N-65

ANAESTHETIC APPARATUS—Continued

N-45	Gebauer's ethyl chloride inhaler	$5 00
N-50	Criles' apparatus for administering anaesthesia to the rectum, with different sizes of tubes	6 50
N-55	Gebauer's ethyl chloride tube, metal, 40 cc., $1 00; 100 cc.	1 60
	Graduated glass tube, extra	50
	Flexible tip for mouth or throat work, extra	50
N-60	Ochsner's chloroform inhaler, $1 00; folding	1 25
N-65	Ethyl chloride, Kelene, 50 cc., graduated for general anaesthesia	1 60
	Plain tubes for local anaesthesia	1 10

Do not mutilate catalogue.—Specify section letter and number in ordering.

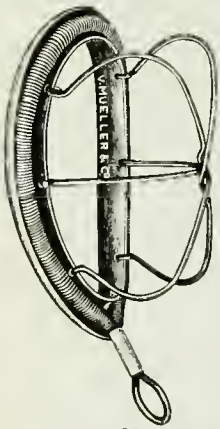


N-70

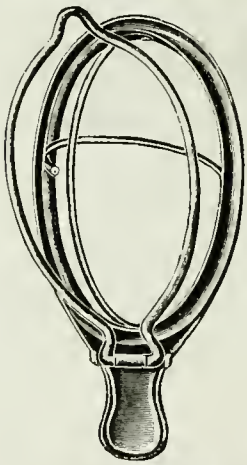

N-75

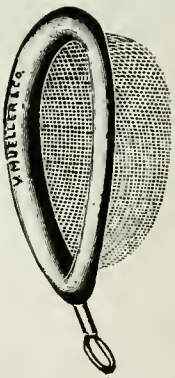


N-80



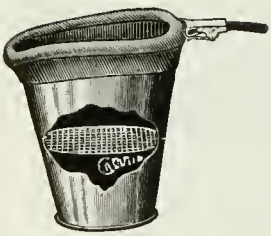
N-85


N-90



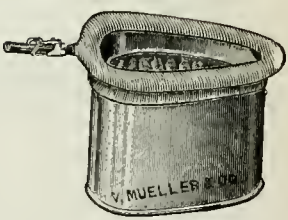
N-95


N-100



N-105


N-110

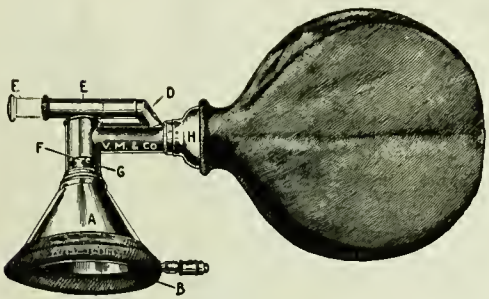


N-115

ANAESTHETIC APPARATUS—Continued

N-70	Hahn's drop bottle, with stop-cock	$1 25
N-75	Esmarch's inhaler, complete	75
N-80	Clayton-Esmarch's inhaler, complete with mask	75
N-85	Yankauer-Richter's folding inhaling mask, latest pattern	1 25
N-90	Schimmelbusch's inhaling mask, folding	1 00
N-95	Yankauer's original inhaling mask	1 25
N-100	Bennett's obstetric chloroform inhaler	1 00
N-105	Blake's ether inhaler	2 50
N-110	Jordan's inhaling mask, specially adapted for operations on the eye	1 00
N-115	Allis' ether inhaler, with soft rubber face piece	3 00

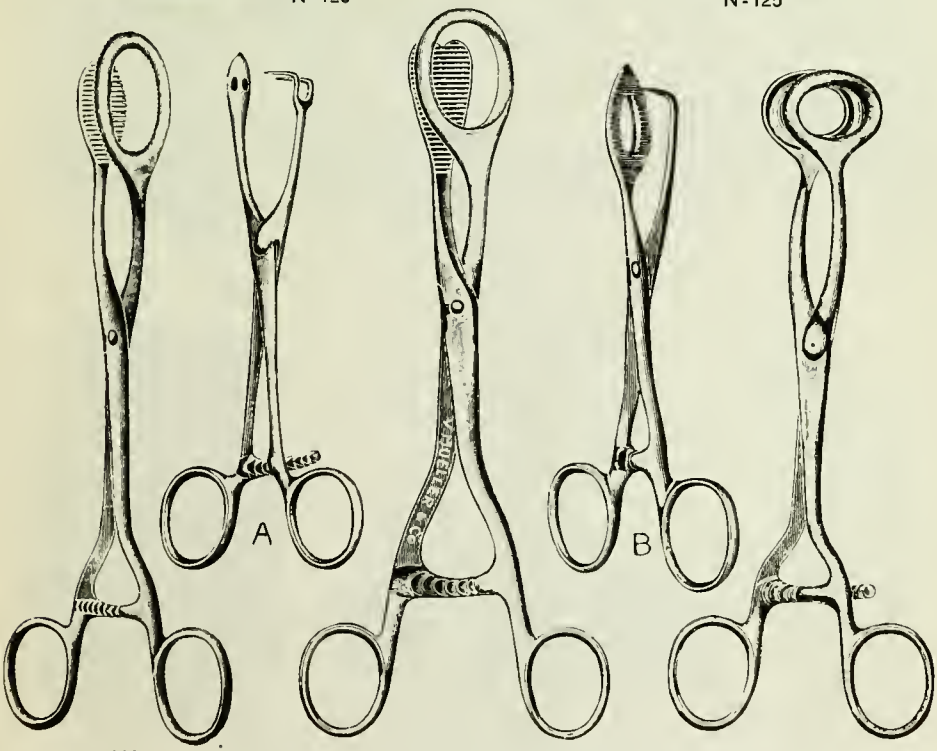
Do not mutilate catalogue.—Specify section letter and number in ordering.



N-120



N-125

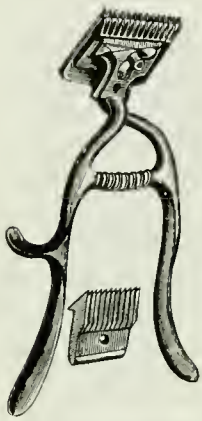


N-130 N-135 N-140 N-145 N-150

ANAESTHETIC APPARATUS AND TONGUE FORCEPS

N-120	Stark's somnoform inhaler, consists of a metal face mask with an inflatable rubber rim, a metal frame work of several cylinders joined together, and a collapsable rubber bag, complete in case	$12 00
N-125	Ware's ethyl chloride inhaler	2 50
N-130	Mathieu's tongue holding forceps, 7 in	1 75
N-135	Fig. A, Berger's tongue holding forceps, 5½ in	2 00
N-140	Matthieu's improved tongue holding forceps, with heart-shaped lower blade, 7¾ in	1 85
N-145	Fig. B, Senn's tongue holding forceps, 5¼ in	1 50
N-150	Collin's tongue holding forceps, 7 in	1 75

Do not mutilate catalogue.—Specify section letter and number in ordering.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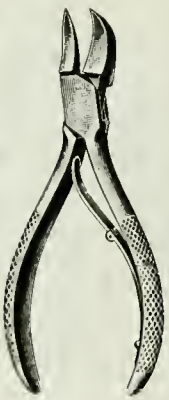
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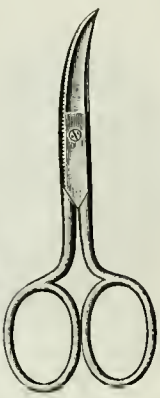
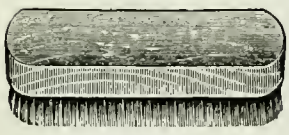

N-170


N-180


N-190



N-190A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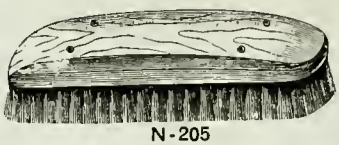
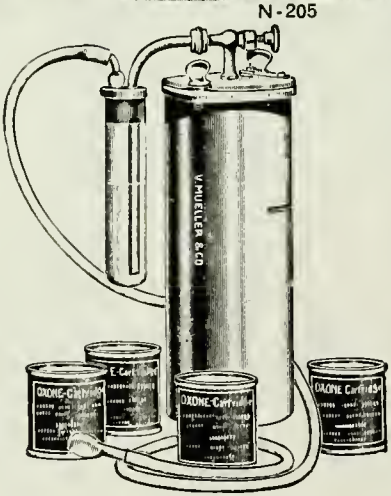

N-205


N-200


N-210 N-210A



N-220



N-215

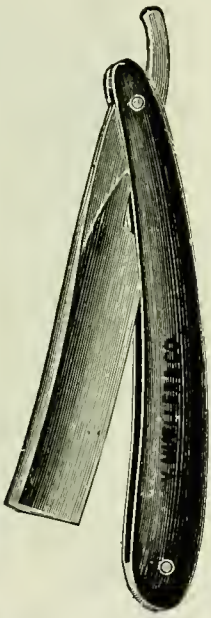
NAIL FILES, BRUSHES, ETC.

N-155	Hair-clipper, according to quality, from $1 50 up.	
N-160	Nail clippers, according to quality, $1 25 and	$1 50
N-170	Nail scissors, according to quality, $0 65 and	75
N-180	Nail cleaner, made of one piece of steel, nickel plated, each	40
N-190	Nail file, 3 in. $0 20, 4 in. $0 25, 5 in	30
N-190A	Oil or water hone, according to size and quality, from $0 50 up.	
N-195	Hand brush tampico, large size, each $0 05, dozen	50
N-200	Hand brush tampico, small size, each $0 05, dozen	35
N-205	Hand brush, bristles good quality, each $0 25, dozen	2 25
N-210	Ivory pegs, each	50
N-210A	Steel pegs, each	30
N-215	Senn's decalcified bone chips, bottle, net	1 25
N-220	Roessler and Hlaslacher's ozone generator, complete with extra cartridges, net	15 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-225



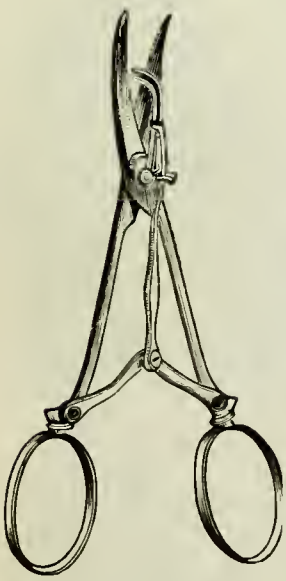
N-230



N-235



N-240



N-250

RAZORS AND SKIN GRAFTING INSTRUMENTS

N-225	Section razor, finest quality with slide catch....	$4 00
N-230	Section razor, regular....	1 50
N-235	Surgical razor, aseptic with metal handle.....	1 50
N-240	Razor, finest quality, hollow ground	1 50
N-245	Razor, regular, good quality, not illustrated	1 25
N-250	Smith's skin grafting scissors	5 00
N-255	Section lifter, double ended, for handling grafts	40
N-260	Needle for picking up grafts, metal handle, each	25

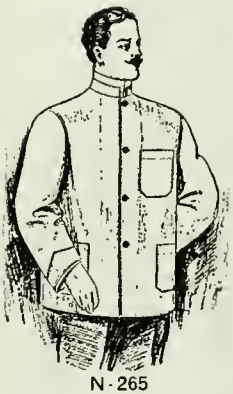


N-255



N-260

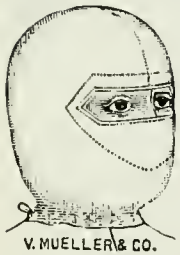
Do not mutilate catalogue.—Specify section letter and number in ordering.


N-265


N-270


N-275


N-280



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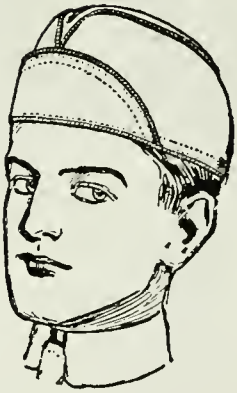
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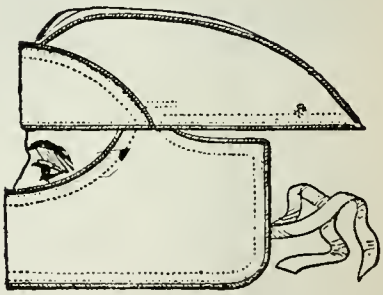

N-305

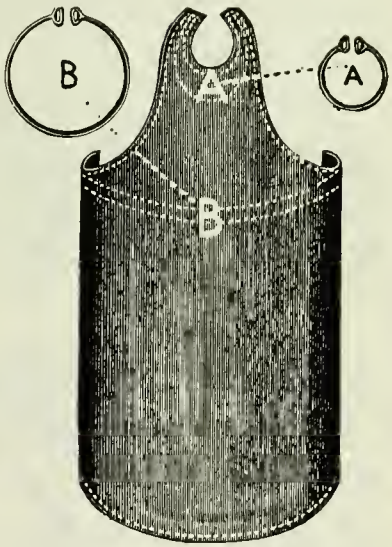
SURGEONS' GOWNS, COATS, ETC.


N-285

N-265	Physicians' short coat white drill $2 00, duck good quality	$2 50
N-270	Surgeon's suit, drill $2 75, duck good quality	3 50
N-275	Contagious disease suit, white duck	2 25
N-280	Surgeon's operating gown, white drill regular $1.25, extra quality	1 50
	When ordering surgical gowns, please specify size and whether long or short sleeves are wanted.	
N-285	Rubber apron, white	1 50
	Extra large size $1.75 to	2 00
	We make rubber aprons to order of very light tan sheeting single or double coated.	
N-290	Nurses' gown, good quality	1 75
N-295	Rochester operating hood, each	35
N-300	Ferguson's operating cap, each	45
N-305	Webster's operating cap, with face shield, each	65

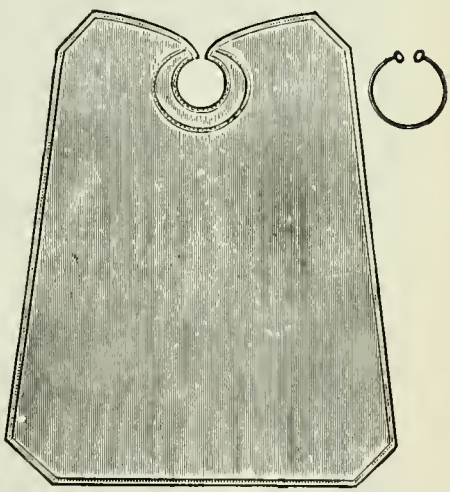

N-290





N-310





N-315

SPRING APRONS AND BIBS

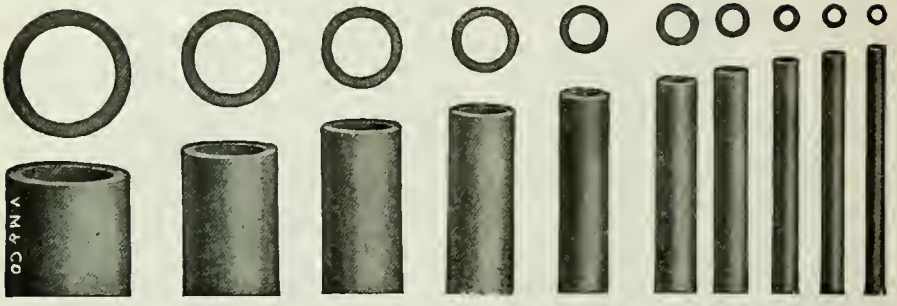
N-310 Moore's patients' apron No. 60, made of highest grade rubber sheeting, black or white, each $1 60

N-315 Moore's patients' bib apron, No. 28, made of highest grade rubber sheeting, black or white, each 85

No. 38, extra length 4 ft., black or white each 1 25

The advantage of the Moore's universal spring apron, is the ease and quickness with which it is put on and off, doing away with buttons to fasten and strings to tie, and the simplicity with which the springs can be adjusted and removed from the apron, so the apron can be thoroughly washed and sterilized.

Do not mutilate catalogue.—Specify section letter and number in ordering.



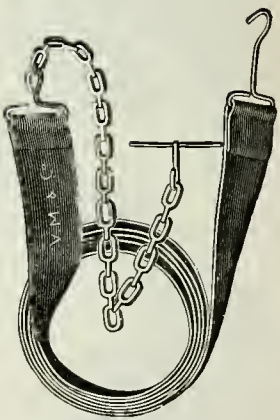
N-320 10 9 8 7 6 5 4 3 2 1



N-325



N-335A N-335



N-330



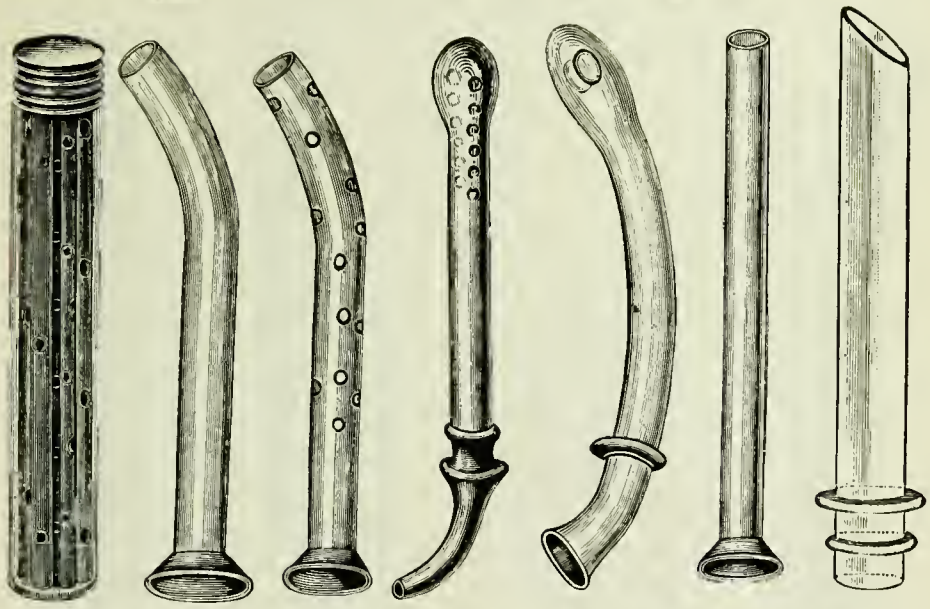
N-340

OPERATING ROOM REQUIREMENTS

N-320	Pure gum tubing for drainage, sold by weight at the prevailing market price, order by number.	
N-325	Brewer's tourniquet, each	$1 00
N-330	Esmarch's tourniquet, each	1 15
N-335	Surgeon's rubber gloves, pure gum, made for us specially by the principal manufacturer of surgeon's gloves. Weight B $0 75, weight C	85
	Weight C (heavy) is always sent unless otherwise specified.	
N-335A	Rubber cement for repairing surgeon's gloves, in tubes	15
N-340	Iodoform dusters, hard rubber, small, $0 45; large	50
N-345	Iodoform dusters, glass with metal top, not illustrated	50
N-350	Iodoform duster, metal nickel plated	65
N-355	Iodoform duster, metal nickel plated, extra large for operating room use	1 15

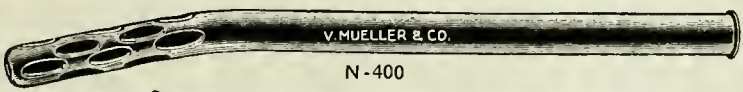


N-350

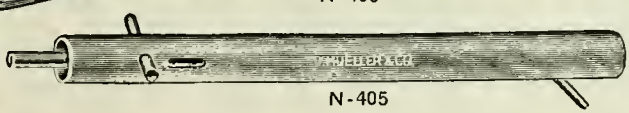




N-395



N-400



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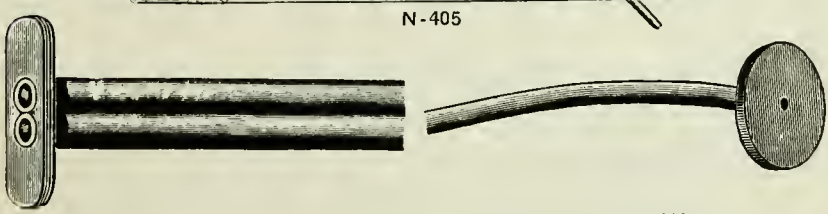
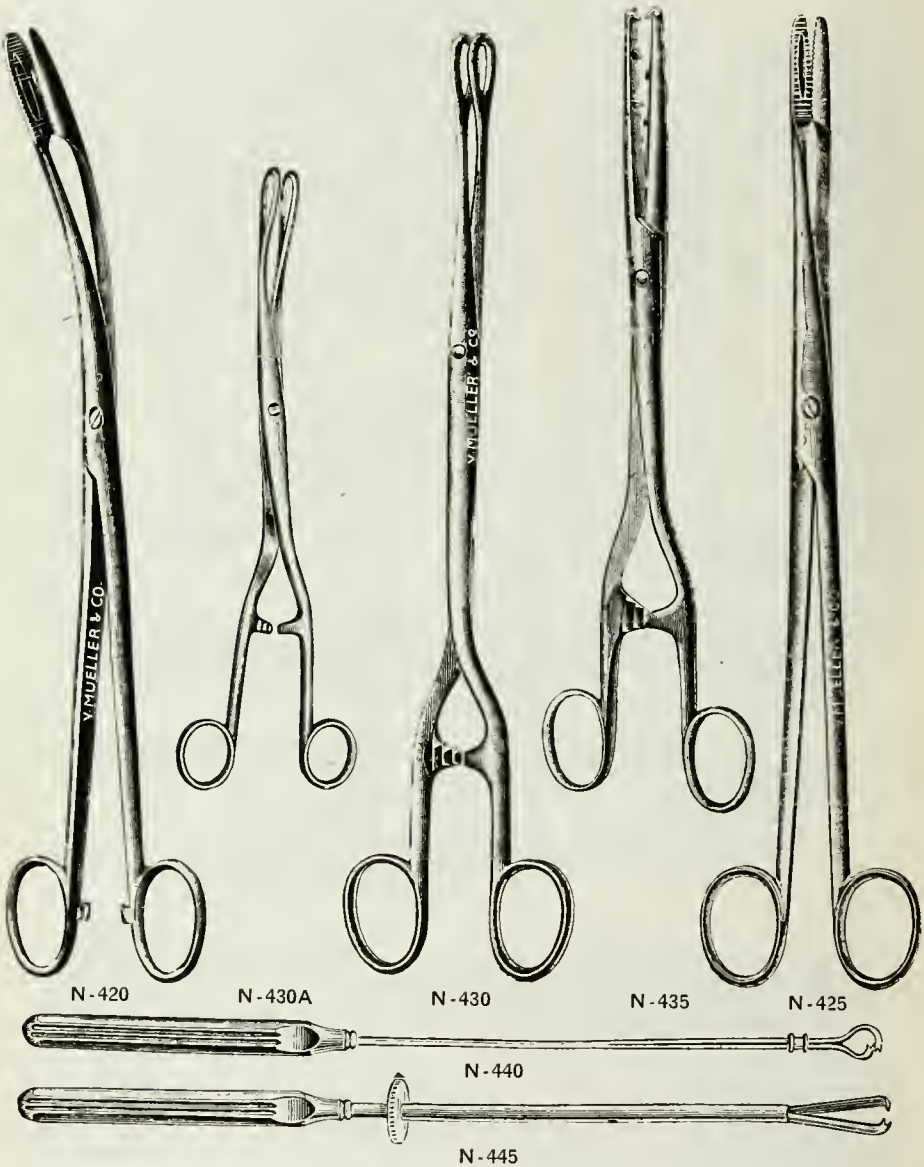


N-415 N-410

DRAINAGE TUBES

N-360	Drainage tubes, soft rubber, 6 in. lengtbs, perforated, per bottle containing 6 sizes	$0 35
N-365	Drainage tube, glass, plain curved	25
N-370	Drainage tube, curved, perforated, glass	30
N-375	Drainage tube, glass, Tait's, perforated	30
N-380	Drainage tube, glass, Keltb's	30
N-385	Drainage tube, glass, straight, plain	20
N-390	Drainage tube, glass, Moynihan's, made in two sizes, $0 50 and	60
N-395	Drainage tube, Murpby's, aluminum, straight, two sizes, eacb	1 25
N-400	Drainage tube, Murphy's, aluminum, curved, two sizes, each	1 25
N-405	Drainage tube, rubber Mayo's	1 25
N-410	Drainage tube, rubber, Andrew's, single	60
N-415	Drainage tube, rubber, Hancock's, double	75
N-415A	Rubber covers, very thin for gauze drainage, per set of 6 sizes, each 6 inches long	50

Do not mutilate catalogue.—Specify section letter and number in ordering.



SPONGE HOLDERS ETC.

N-420	Maier's sponge and polypus forceps, with catch straight or curved, 10 ins., each	$2 00
N-425	Maier's sponge and polypus forceps, without catch, straight or curved, 10 ins., each	1 75
N-430	Foerster's sponge holding forceps, with aseptic or screw lock, 10 ins.	1 50
N-430A	Foerster's sponge holding forceps, curved	1 60
N-435	Emmett's sponge holding forceps, 8½ ins.	2 25
N-440	Sponge holder, plain	35
N-445	Sponge holder, improved	50

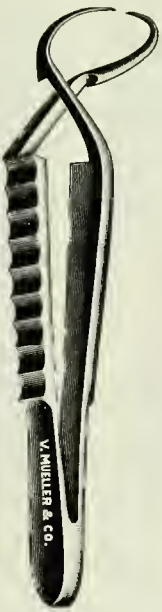
Do not mutilate catalogue.—Specify section letter and number in ordering.



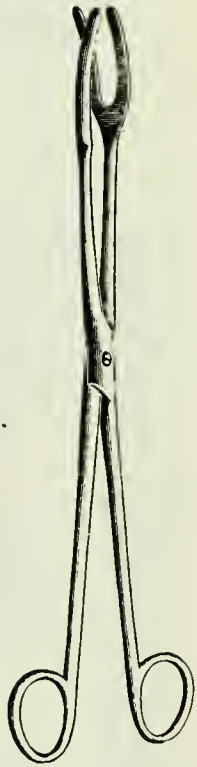
N-450



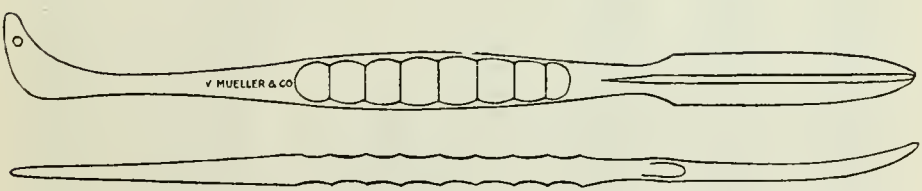
N-460 N-460A



N-465



N-455



N-470

STERILIZER AND TOWEL FORCEPS, ETC.

N-450 Van der Poel's sterilizer forceps $3 50

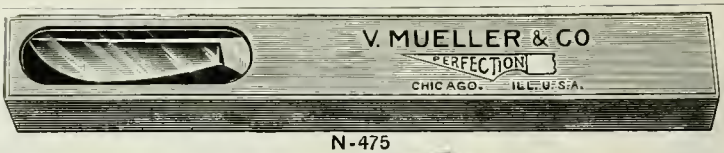
N-455 V. M. & Co.'s sterillzer forceps, made in three sizes, 8 in., $2 00; 12 in., $3 00; 15½ in..... 4 00

N-460 Backhaus' tenacula forceps, for attaching towels to skin, made in two sizes, 3⅛ in., $0 75; 5¼ in..... 1 00

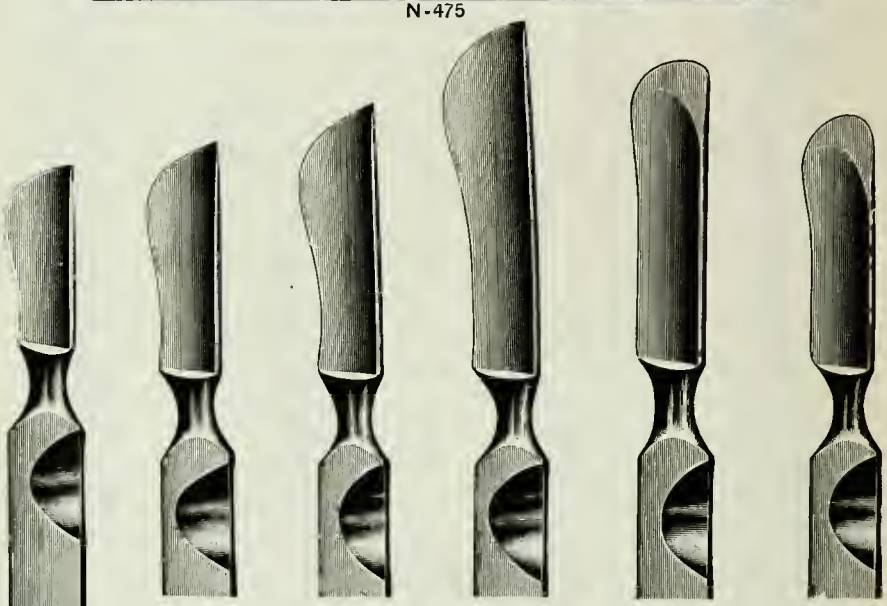
N-465 Kocher's spring tenacula forceps, for attaching towels to skin $1 25

N-470 Ead's double ended blunt dissector, made of steel..... 1 50

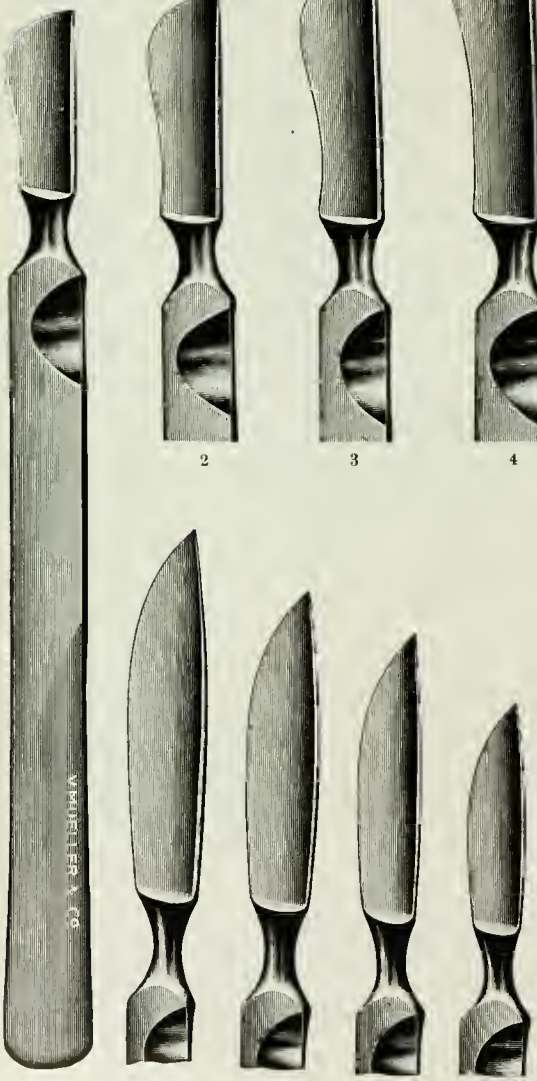
Do not mutilate catalogue.—Specify section letter and number in ordering.



N-475



2 3 4 5 6



N-480 7 8 9 10

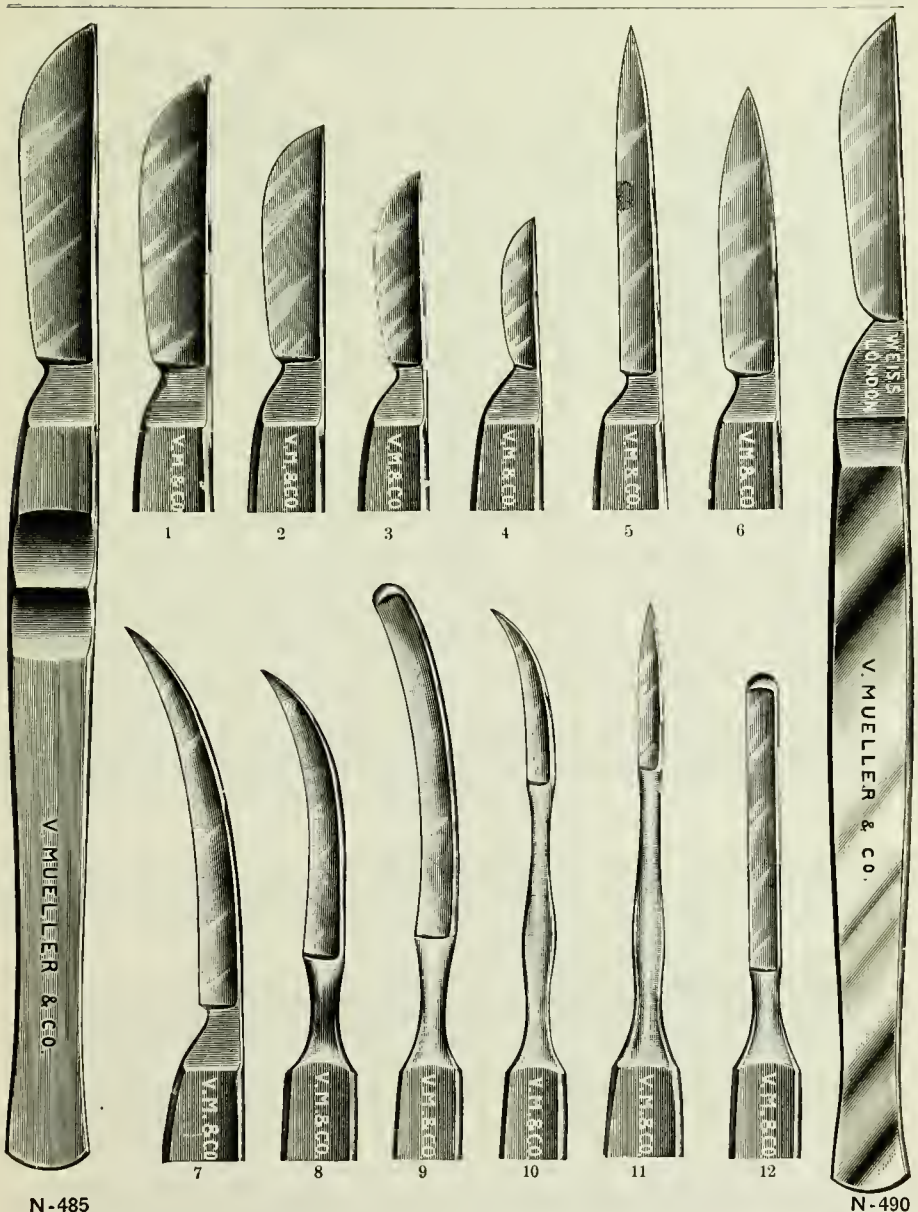
OPERATING KNIVES

N-475 Illustrates card-board box, showing method of packing our surgical knives. The knives are placed in these individual boxes with blade in full view, by the expert who hones them. The box is then sealed up and the operator can rest assured that the blade is in perfect condition and ready for instant use.

N-480 Dunn's operating knife, each $1 50

When ordering specify number of blade.

Do not mutilate catalogue.—Specify section letter and number in ordering.



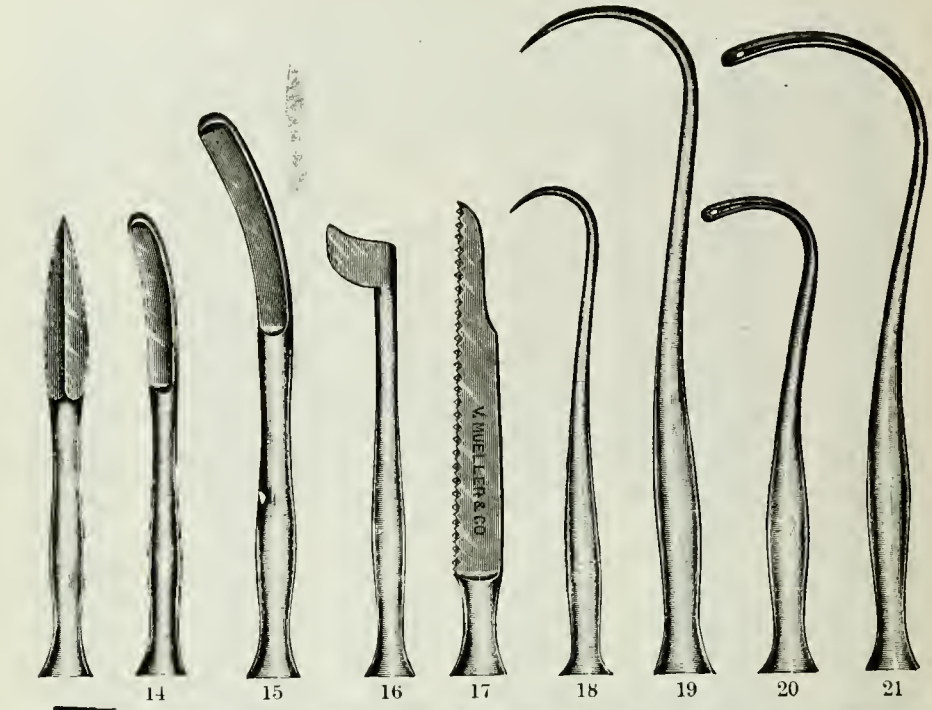
N-485 N-490

OPERATING KNIVES—Continued

N-485 V. Muellier & Co.'s operating knives, hand forged of the best imported English steel, made in aii numbers from 1 to 16, each..... $1 25
No. 17, 20 and 21 each..... 1 25
No. 18 and 19 each..... 90
We guarantee our operating knives to be equal if not superior to any knife that is on the market in this country, each one is packed in an individual box as iilustrated under Fig. N-475. When ordering please specify number of biade.

N-490 Weiss' (London) operating knives, kept in stock in sizes N-485, 1, 2, 3 and 4, as well as five sizes of center point scalpei like Fig. 6, iengths of blades N-485, 1, 2, 3 and 4, each..... 1 75

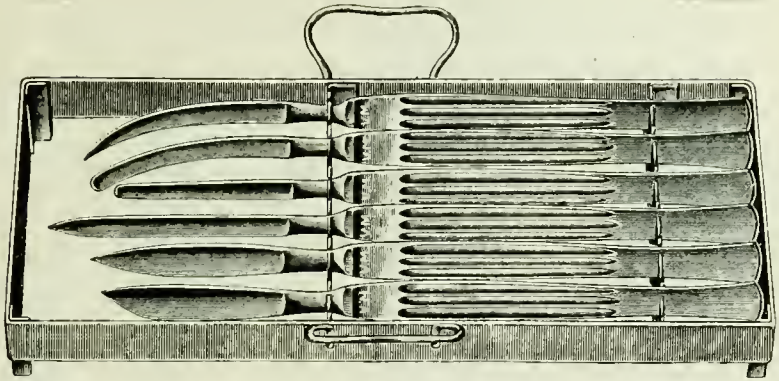
Do not mutilate catalogue.—Specify section letter and number in ordering.



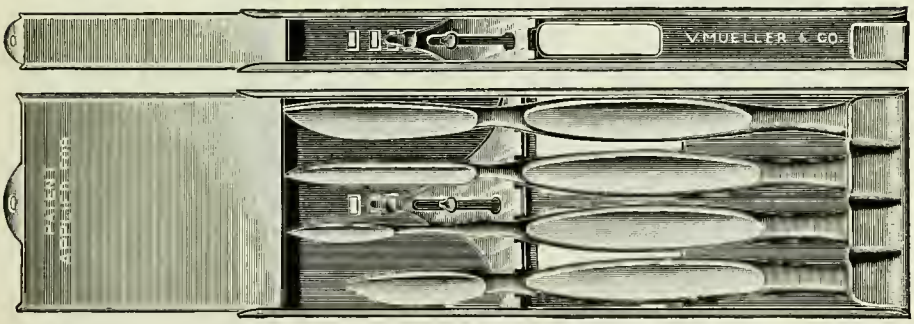
OPERATING KNIVES, ETC.—Continued

N-495	Virchow's heavy operating knife, 3½ in. blade, center point, each	$2 00
N-500	Virchow's heavy operating knife, 3½ in. blade, bellied shape	2 00
N-505	Amputating knife, small 3¾ in. blade	2 25
N-510	Amputating knife, Langenbeck's, 4¾ in. blade	2 50
N-515	Catlin knife, Liston's, 4½ in. blade, $2 50; 5½ in. blade	2 75

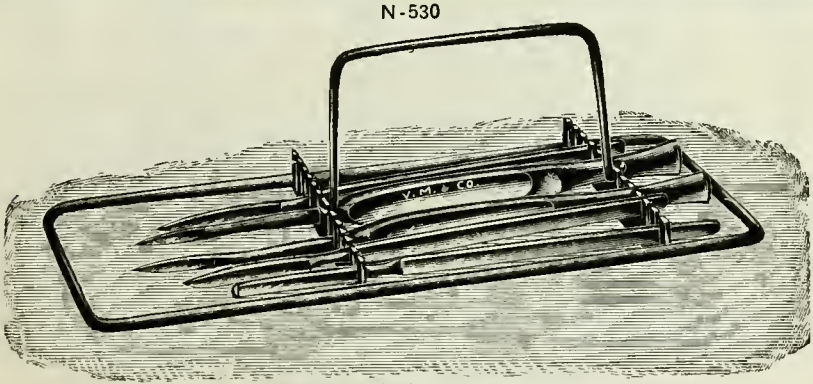
Do not mutilate catalogue.—Specify section letter and number in ordering.



N-520



N-530



N-535

KNIFE CASES AND RACKS

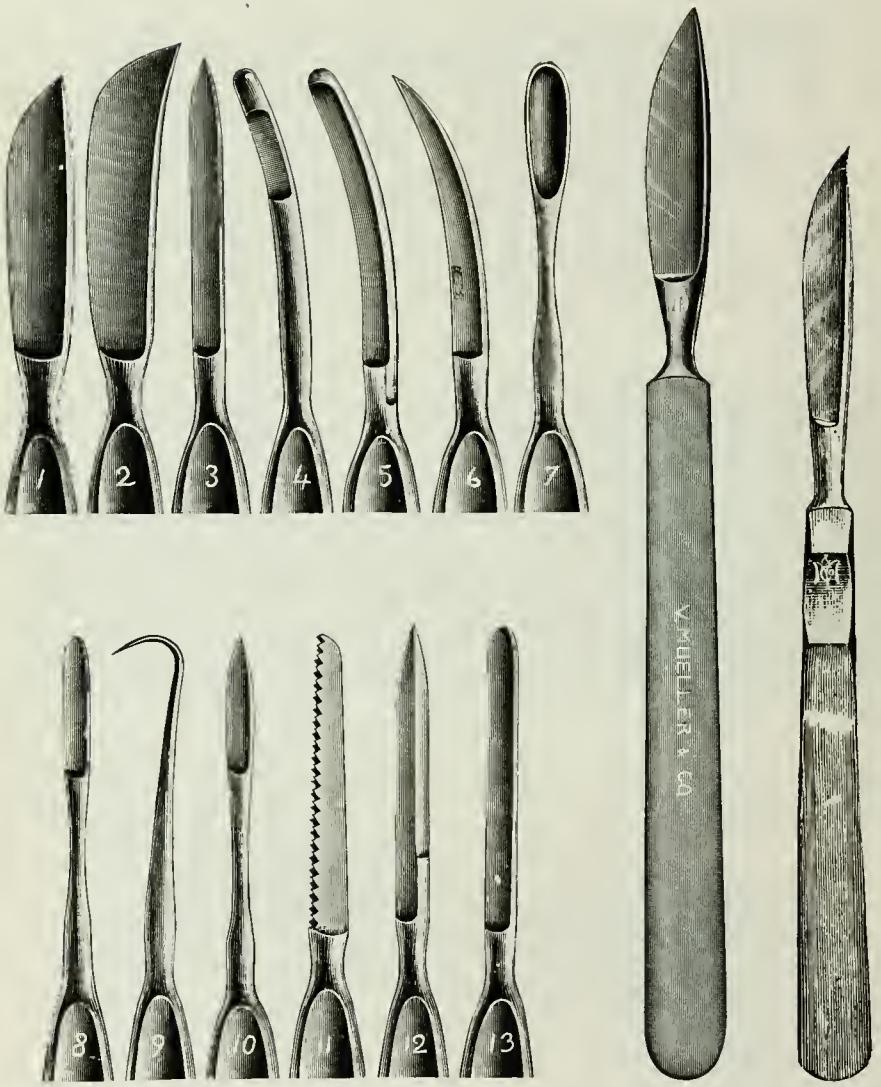
N-520 Rack for holding knives, for 6 knives each..... $2 75
For 12 knives each..... 3 50
Can be furnished either oxidized or nickel plated.
Oxidized sent unless otherwise specified.

N-525 Knife holder made of aluminum to hold from one to six knives, not illustrated, from $0 40 to..... 90

N-530 Knife holder, adjustable rack made of metal nickel plated to hold from one to six knives, $0 50 to..... 1 00

N535 V. Mueller & Co.'s knife rack. The knives are put in this rack and then placed in the sterilizing tray, thus preventing the edge of the knife from being damaged by contact with the bottom or sides of the sterilizing tray.
Holding 6 knives, $1 50; 12 knives..... 2 15

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-540 N-545

POCKET CASE OPERATING INSTRUMENTS

N-540 Pocket case knife, plain handle. Handle and blades are shown in actual size. We furnish all handles with dull brush finish only unless specially ordered otherwise. Each $0 60

N454 Pocket case knife, full size. We carry in stock with this handle blades equivalent to 1 to 14, with the exception of Fig. 2 and 7, each..... 50

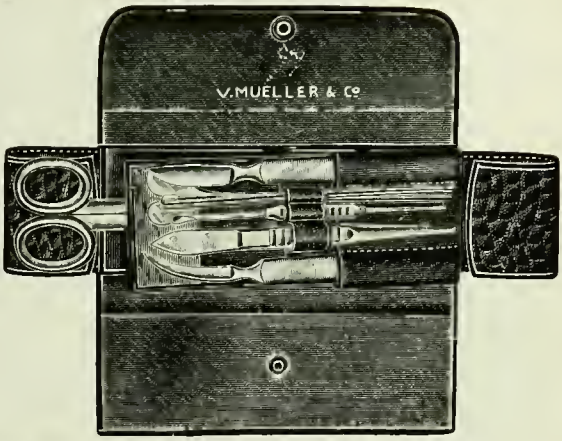
Do not mutilate catalogue.—Specify section letter and number in ordering.

POCKET INSTRUMENT CASES

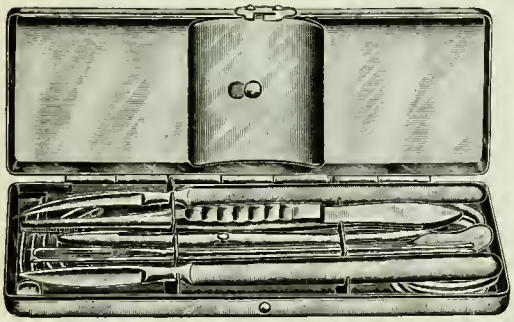
VEST POCKET EMERGENCY CASE

Contents: 2 Little's knives, 1 straight scissors, 1 thumb forceps 1 director and tongue tie, 2 probes, 1 gross hook and spoon, needles and silk.

N-560 In fine black leather case $4 00



N-560

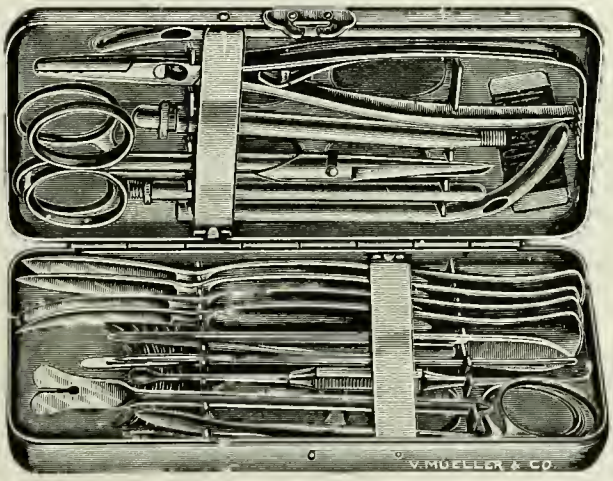


N-565

METAL VEST POCKET CASE

The contents of this case are the same as contained in above case. The case is made of metal, nickel plated, with cloth button pouch for carrying same.

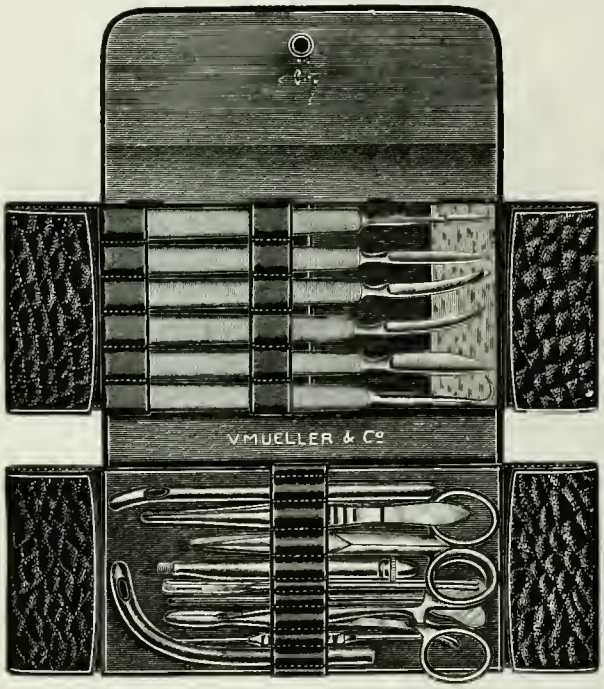
N-565 Vest pocket case, metal.....$5 75



N-570

N-570 Metal pocket instrument case. The contents of this case are the same as contained in our No. 3. Case made of German silver, heavily plated. Racks are of metal and can be removed from the case. Measurements, 5⅝ inches long, 1¾ inches wide, ⅞ inch thick. Furnished with cloth button pouch for carrying.
Metal pocket case, No. 25, with plain handle knives..... 12 00

POCKET INSTRUMENT CASES



N-575

N-575 Pocket case No. 1. Contents: Six long Little's knives, 1 straight scissors, 1 Parker's catheter with caustic holder, 1 Pean's needle forceps, 1 thumb forceps, 1 director and tongue tie, 1 ear hook and spoon, 2 probes, needles and silk.
Pocket case No. 1, with plain concave handle knives $7 50

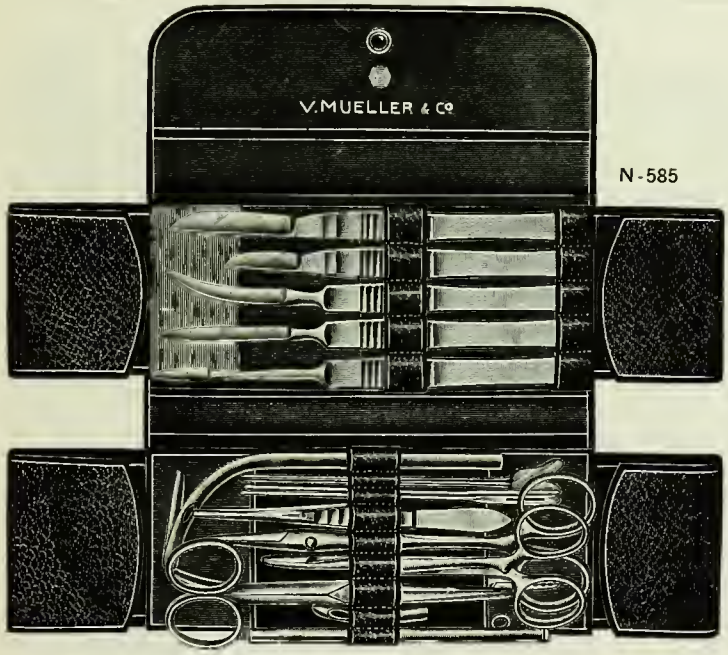
Cases put up in black morocco and seal grain.

N-580 Pocket case No. 2. Contents: 6 long Little's knives, 1 male and female catheter with caustic holder, 1 straight scissors, 1 Pean's forceps, 1 thumb forceps, 1 director and tongue tie, 1 ear hook and spoon, 2 probes, 1 aspirating and infusion needle, needles and silk.
Pocket case No. 2 with plain handle knives.... $8 00

Cases are put up in black morocco, monkey grain, and embossed calf leathers.



N-580



N-585

POCKET INSTRUMENT CASES

N-585 The Jefferson pocket case. This case is furnished with all that is of the best in the instrument line. The knives are hand forged and of the minor operating size. The contents are, 5 operating knives of different shapes, 1 haemostatic forceps, Kelly's, 1 haemostatic forceps, Pean's long, 1 straight scissors 5½ ins., 1 male and female combined catheter, 1 spring forceps 4¼ ins. 1 grooved director and tongue tie, 1 pair of plated probes, 1 dozen assorted needles and 1 card of braided silk. Complete in morocco case.. $9 50



N-590

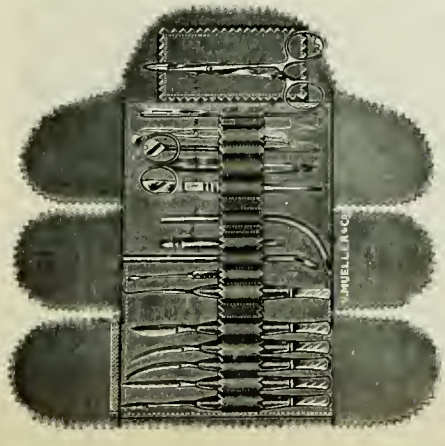
N-590 and N-590A Douglass pocket case, contents same as No. 2. This case represents a new departure in pocket instrument cases. The instruments are placed in a roll of washable, fine, white twill which roll is held in a metal nickel plated case as shown.

The roll has an outline of each instrument indelibly printed on the back, so that each instrument may be readily returned to its proper place. The illustration shows the haemostatic forceps removed with the outline drawing showing below.

The case is of German silver, finely polished and plated; it being only ¾-inch thick, with round corners; it may be carried comfortably in the hip pocket.

All things considered, this is one of the best cases ever placed on the market as it combines simplicity with perfect cleanliness.

Pocket case, Douglass', with plain handle knives $9 00



N-590A

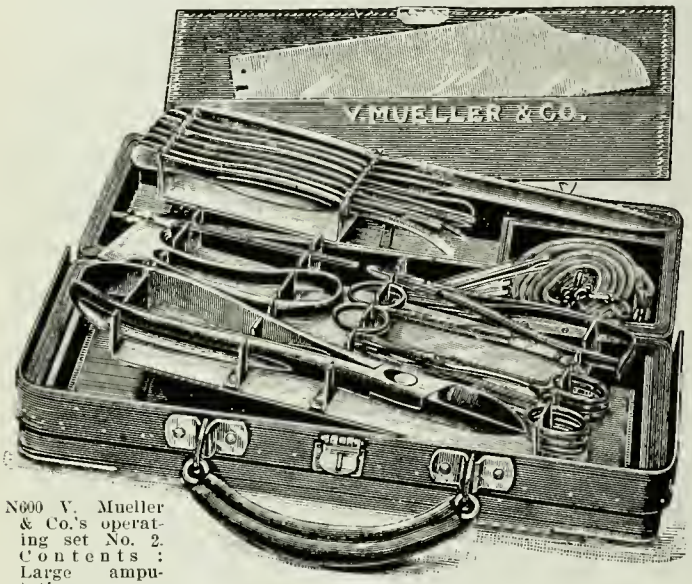
AMPUTATING CASES

N-595 V. Mueller & Co.'s operating case No. 1. Contents: Large amputating saw, removable handle; Liston's 8½-inch bone forceps, with spring; 3 Pean's haemostatic forceps, curved scissors, Keen's needle holder, 5-inch; Esmarch's tourniquet with hook and chain, amputating knife 7 metal handle operating knives, assorted blades to suit; flat end director, pair of probes, needles and silk.

The case is handsome and durable with metal corners and has a comfortable handle. The racks are nickel plated.

Operating case, No. 1.....$22 50

Operating set, No. 1. Same as above with one Galt's trephine and one trephining elevator and raspatory added $25 00

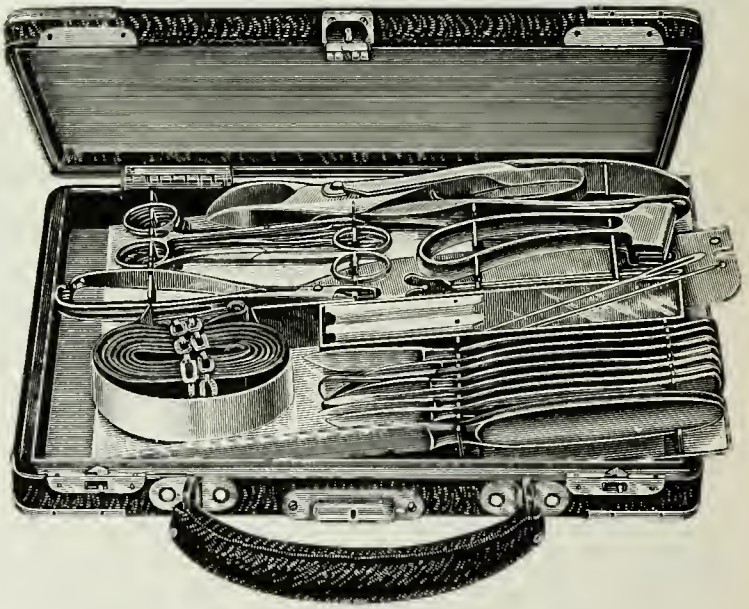


N-595

N600 V. Mueller & Co.'s operating set No. 2. Contents: Large amputating saw, removable handle; Liston's bone forceps, 8½ inches, with spring; 3 Pean's haemostatic forceps, curved scissors, Richter's needle holder, Esmarch's tourniquet with hook and chain, amputating knife, 7 fine handle operating knives, assorted blades to suit; flat end director, 2 probes, needles and silk.

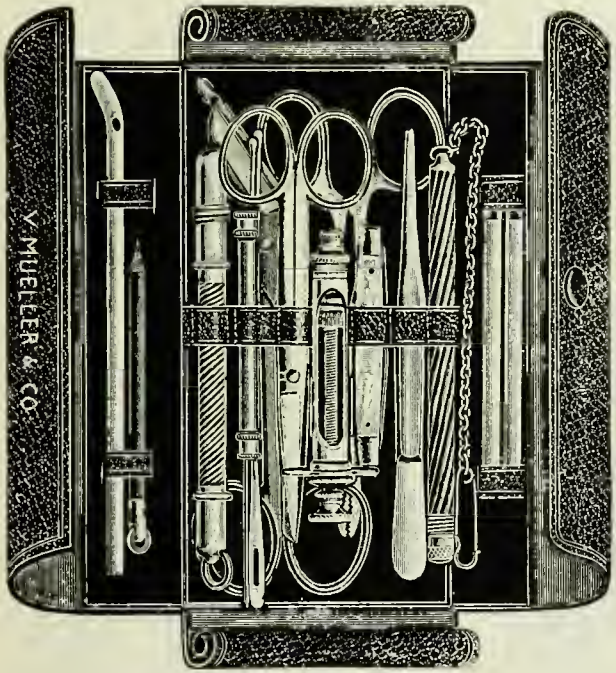
All the knives are superior quality, hand-forged and warranted.

This case is perfectly aseptic and very compact. All the instruments are on a single metal rack, making a broad case in which all the instruments are exposed when case is opened. The case measures 11x8½x1¾ inches.

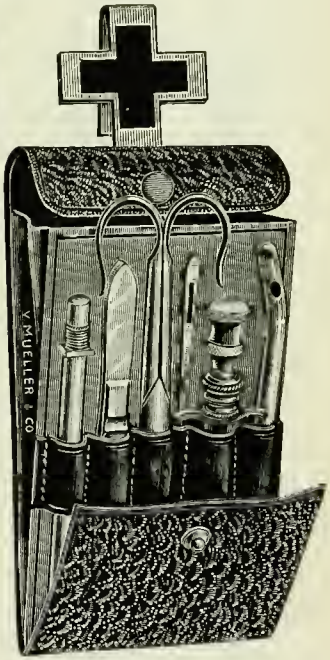


N-600

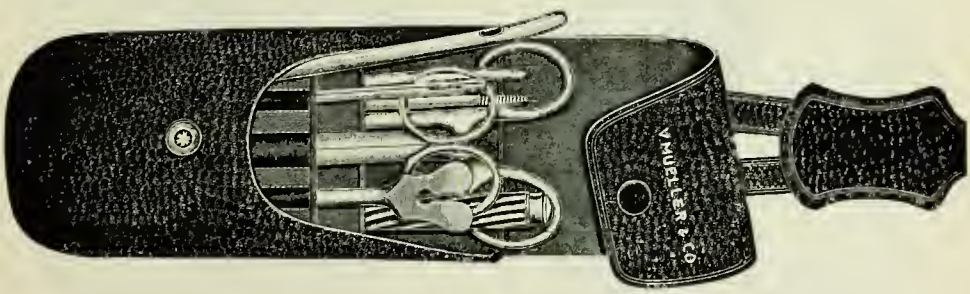
Operating set, No. 2.....$27 50
Operating set, No. 2, with plain needle holder..... 25 00
Operating set, No. 2, with Galt's trephine and elevator and raspatory added..... 30 00



N-605



N-610



N-615

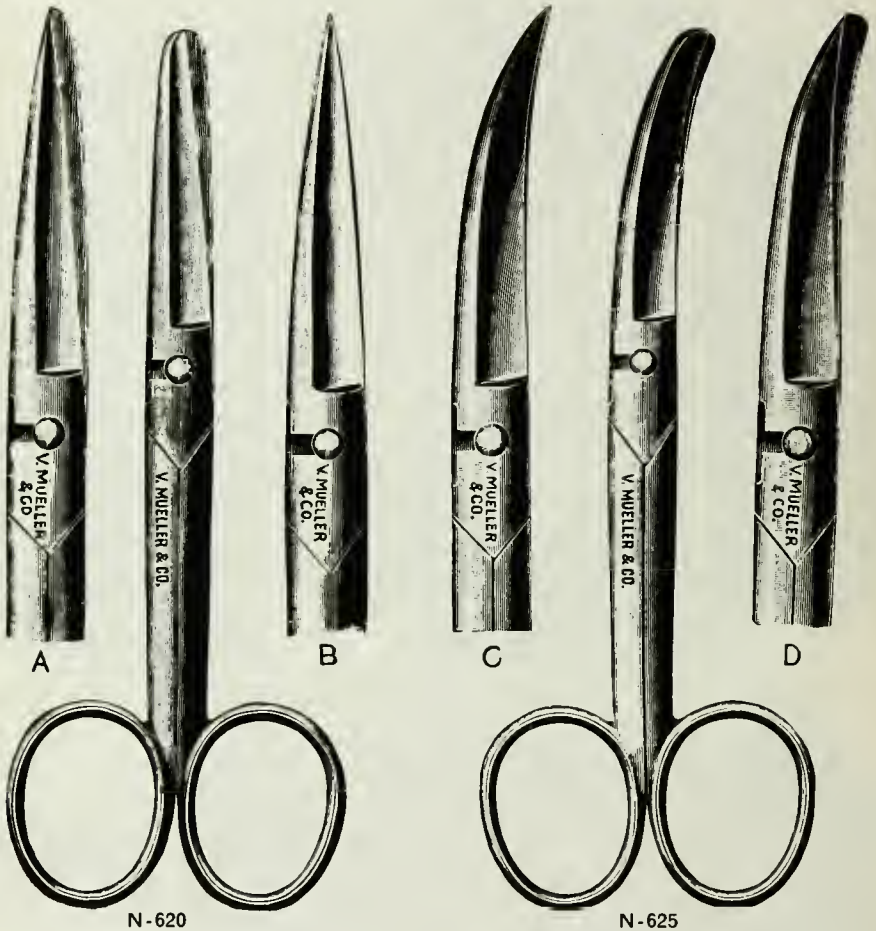
NURSES' POCKET CASES

N-605 V. Mueller & Co.'s complete nurses' pocket case, containing all the necessary instruments and requirements for an up to date nurse, including thermometer, pocket knife, hypodermic syringe, bandage scissors, artery forceps, dressing scissors, probes, catheters, etc. Complete..... $9 75

N-610 Nurses' chatelaine case with flap cover. Containing one thumb forceps, 1 all metal hypodermic syringe with two needles, 1 pair scissors, 1 probe, 1 thermometer in metal case, 1 female catheter. Complete..... 5 00

N-615 Nurses' chatelaine case. Containing 1 pair scissors, 1 thumb forceps, 1 artery forceps, 1 grooved director, 2 probes, 1 female catheter, and clinical thermometer, Complete 4 75

Do not mutilate catalogue.—Specify section letter and number in ordering.

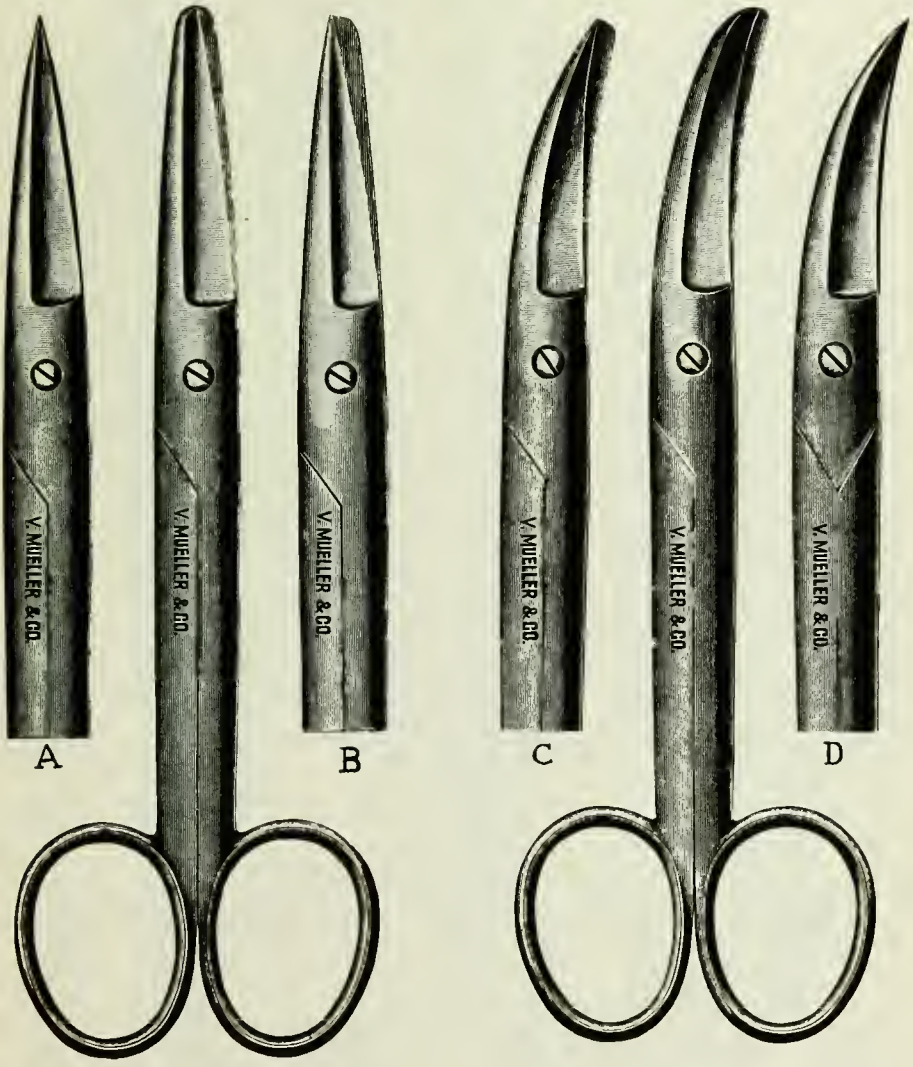


SURGICAL AND DRESSING SCISSORS

The scissors illustrated above, straight and curved, we carry in stock from 4 Inches to 7 Inches, with two sharp points, one sharp and one blunt point, and two blunt points, with screw lock and with slide lock. When ordering kindly state what length of scissors you desire, kind of point, slide or screw lock.

N-620,	A and B, surgical scissors, 4 in., each	$0 50
N-620,	A and B, surgical scissors, 4½ in., each	60
N-620,	A and B, surgical scissors, 5 in., each	65
N-620,	A and B, surgical scissors, 5½ in., each	70
N-620,	A and B, surgical scissors, 6 in., each	85
N-620,	A and B, surgical scissors, 6½ in., each	90
N-620,	A and B, surgical scissors, 7 in., each	1 00
N-625,	C and D, surgical scissors, curved, 4 in., each	75
N-625,	C and D, surgical scissors, curved, 4½ in., each	85
N-625,	C and D, surgical scissors, curved, 5 in., each	90
N-625,	C and D, surgical scissors, curved, 5½ in., each	95
N-625,	C and D, surgical scissors, curved, 6 in., each	1 10
N-625,	C and D, surgical scissors, curved, 6½ In., each	1 15
N-625,	C and D, surgical scissors, curved, 7 in., each	1 25

Do not mutilate catalogue.—Specify section letter and number in ordering.



MAYO OPERATING SCISSORS

N-630 Mayo operating scissors with two blunt points. Fig. A two sharp points. Fig. B one blunt and one sharp point.
These scissors were first made after the suggestion of Dr. W. J. Mayo. The shanks and blades are both much heavier than usual, and the blades shorter, thus giving greater leverage and power. They are made of the best English steel and carefully finished.
We carry in stock four sizes, 5, 5½, 6 and 6½ ins. long. 5 in., $0 90; 5½ in., $1 00; 6 in., $1 10; 6½ in..... $1 25

N-635 Mayo curved operating scissors with two blunt points. Fig. C, one blunt and one sharp point. Fig. D, two sharp points.
We carry in stock four sizes, 5, 5½, 6 and 6½ ins. long, 5 in., $1 10; 5½ in., $1 20; 6 in., $1 35; 6½ in..... 1 50

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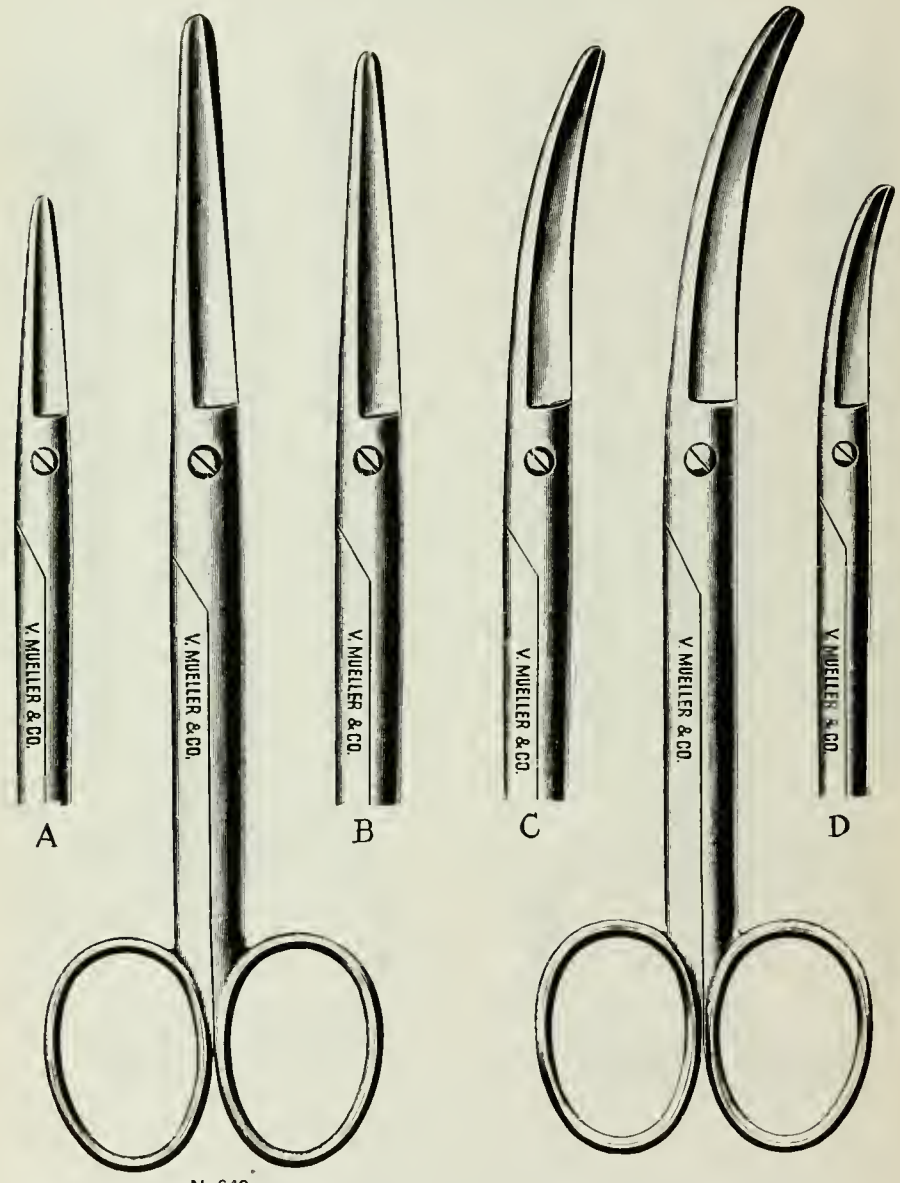


OPERATING AND DRESSING SCISSORS

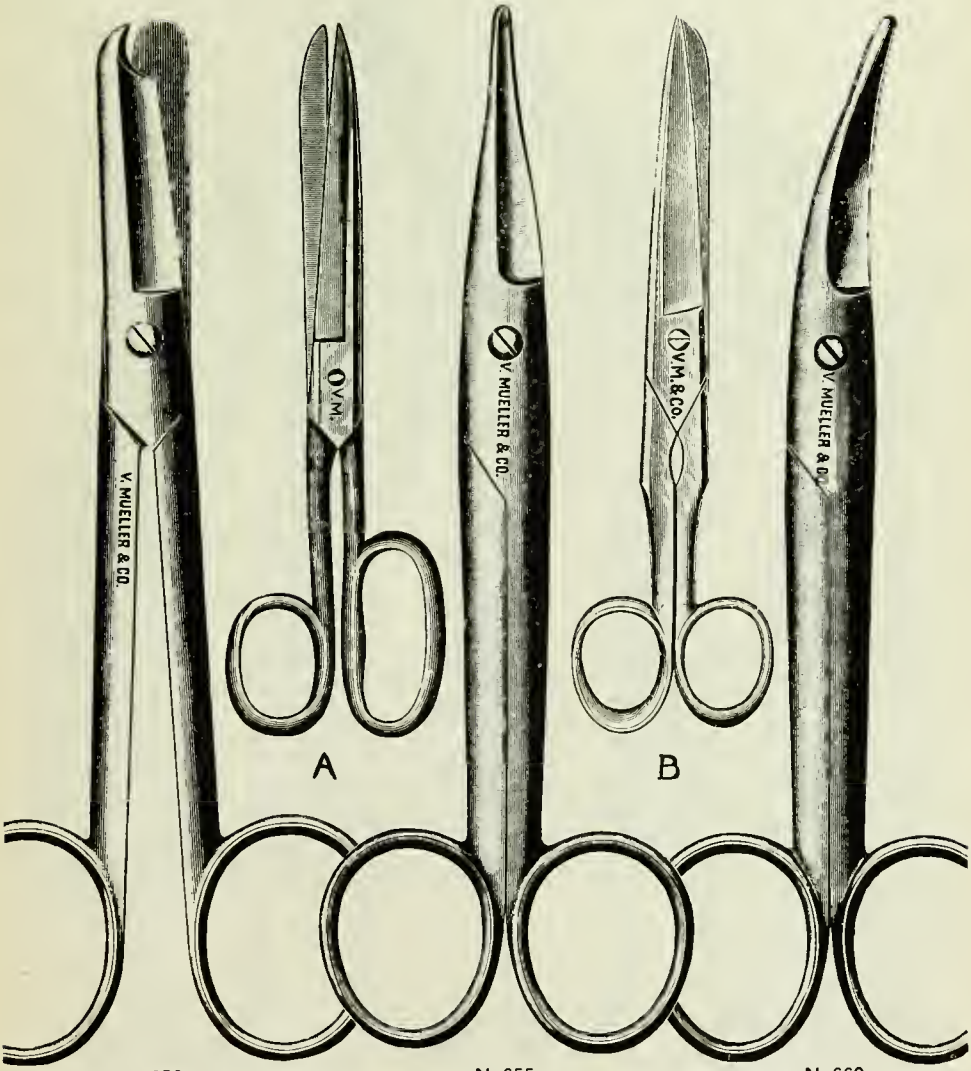
N-640 V. Mueller & Co.'s special operating and dressing scissors, with two blunt points. They are especially suitable for removing dressings around the eye and on account of their thin long blades are also valuable to the surgeon in delicate work.

Length 6¼ ins.	
Fig. A, length 5 ins.	$0 85
Fig. B, length 5½ ins.	65
	75

N-645 V. Mueller & Co.'s special operating and dressing scissors, curved, length, 6¼ ins.. 1 10

Fig. C, length, 5½ ins.	90
Fig. D, length 5 ins.	75

Do not mutilate catalogue.—Specify section letter and number in ordering.



SURGICAL AND DRESSING SCISSORS

N-650 Littauer's stitch scissors, 5½ ins., $1 25; 8 ins. $1 65
N-655 Mayo's dissecting scissors, straight, 5½ ins., $1 25; 6½ ins. 1 50
N-660 Mayo's dissecting scissors, curved, 5½ ins., $1 35; 6½ ins. 1 65
N-660A General purpose scissors, for cutting gauze and dressings, 7 ins., $0 90; 10¼ ins. 1 50
N-660B General purpose scissors, good quality 6½ ins. $0 70; 7½ ins. 85

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-665 N-670 N-675

SURGICAL AND DRESSING SCISSORS

N-665 Krey's abdominal scissors curved sidewise with screw lock or slide lock 6½ ins.. $1 25

N-670 Ferguson's abdominal scissors, angular curved on flat, 7 ins., screw lock, extra heavy, $2 00; regular..... 1 75

N-675 Surgical and general purpose scissors, extra heavy 6¾ ins..... 1 25

N-675A Surgical scissors, probe pointed, angular curve, 5½ ins..... 1 10

N-675B Abdominal scissors, angular, one sharp and one blunt point, 4½ ins., $0 65; 5½ ins., $0 85; 6½ ins..... 1 10

Do not mutilate catalogue.—Specify section letter and number in ordering.



BANDAGE SCISSORS

N-680	Bandage scissors, illustrations are actual size, 5½ ins.	$1 00
N-680A	7 ins., light	1 15
N-680B	7 ins., heavy	1 25
N-680C	8 ins.	1 50
N-680D	9 ins., extra heavy	2 25
N-685	Scissors, with probe point on lower blade, 4½ ins.	75

Do not mutilate catalogue.—Specify section letter and number in ordering.



UTERINE SCISSORS

N-690 Sim's uterine scissors, curved, 8 ins., heavy, extra quality, two blunt points..... $1 50

N-690A Sim's uterine scissors, curved, 8 ins., heavy, extra quality, one sharp and one blunt point 1 50

N-690B Sim's uterine scissors, curved, 8 ins, heavy extra quality, two sharp points 1 50

N-695 Sim's uterine scissors, straight, 8 ins , extra quality, two blunt points 1 35

N-695A Sim's uterine scissors, straight, 8 ins., extra quality, one sharp and one blunt point..... 1 35

N-695B Sim's uterine scissors, straight, 8 ins., extra quality, two sharp points 1 35

N-695C Sim's uterine scissors, probe pointed, 8 ins..... 1 65

N-695D Sim's uterine scissors, serrated, (saw-tooth edge) straight or curved, 8 ins..... 1 90

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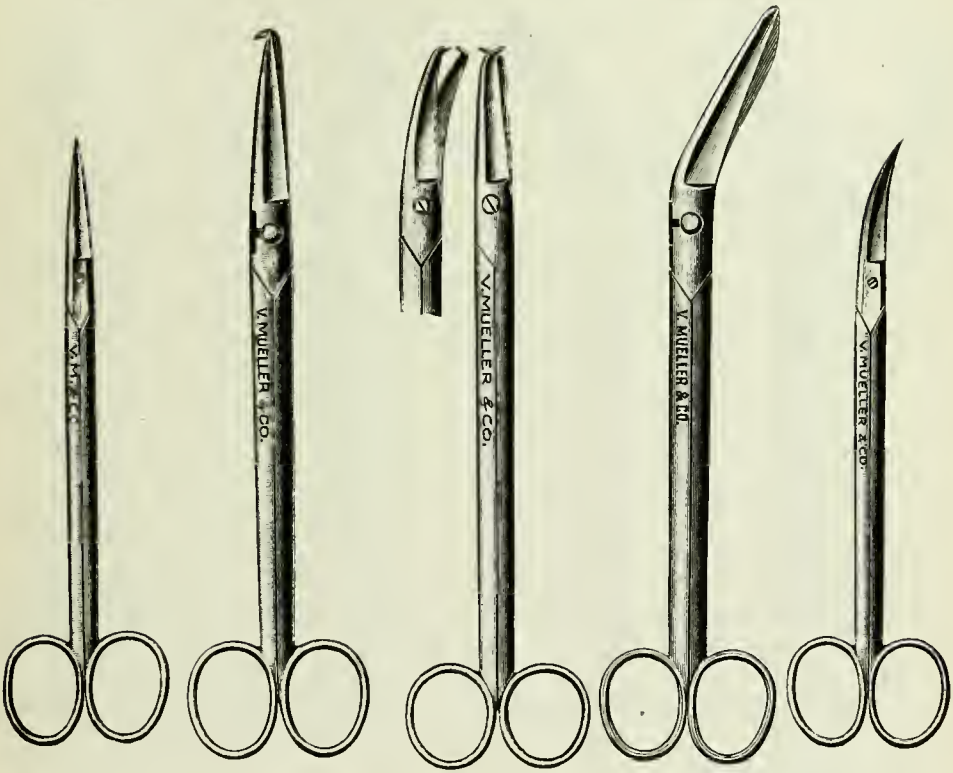
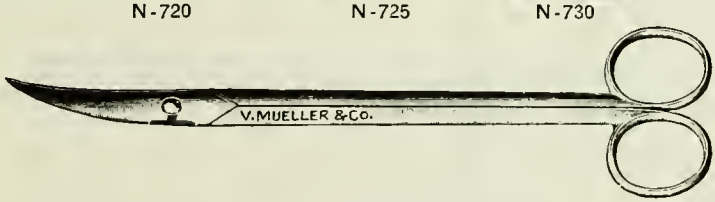
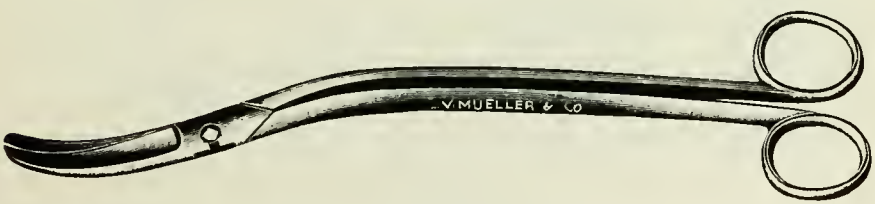


N-710 N-720 N-725 N-730 N-715



N-735



N-740

GYNAECOLOGICAL SCISSORS

N-710	Kelly's vesico vaginal scissors, straight, 6¼ ins	$1 00
N-715	Kelly's vesico vaginal scissors, curved, 6¼ ins	1 25
N-720	Skeene's tenaculum scissors, 7¾ ins	1 75
N-725	Dawson's tenaculum scissors, 7¼ ins., straight, $2 25; curved	2 50
N-730	Emmett's perineal scissors, curved sidewise, 8 ins	1 60
N-735	Jenck's perineal scissors, 7¼ ins	1 25
N-740	Pratt's rectal scissors, double curve, 9 ins	1 75

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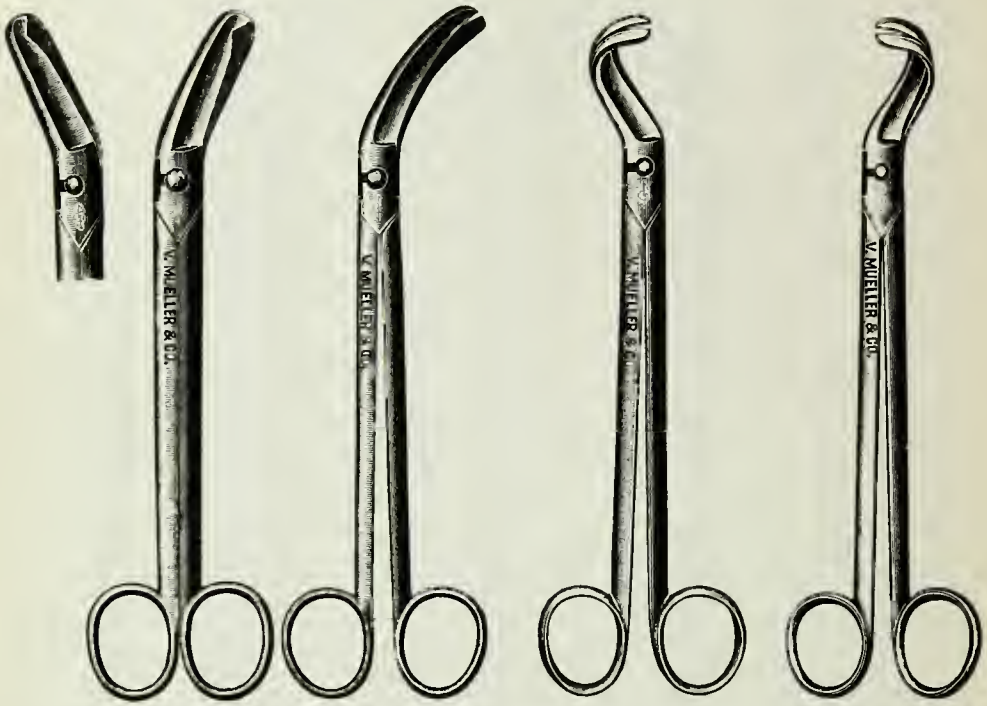
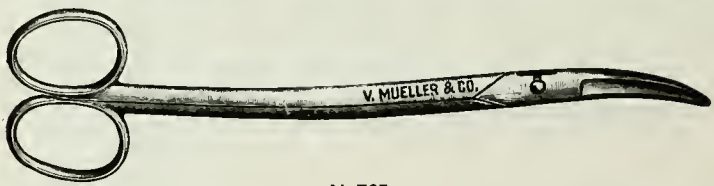


N-745 N-750 N-755 N-760



N-765



N-770

GYNAECOLOGICAL SCISSORS

N 745	Hank's trachelorraphy scissors, 7½ ins., right and left, each	$1 75
N-750	Emmett's uterine scissors, curved sidewise, lesser curve, right and left 7 ins., each	2 25
N-755	Emmett's uterine scissors, curved sidewise, full curve, 7 ins., left side	2 50
N-760	Emmett's uterine scissors, curved sidewise, full curve, 7 ins., right side	2 50
N-765	Wood's cervical scissors, curved on flat, 7 ins	1 75
N-770	Bozeman's uterine scissors double curve, 7 ins	1 75

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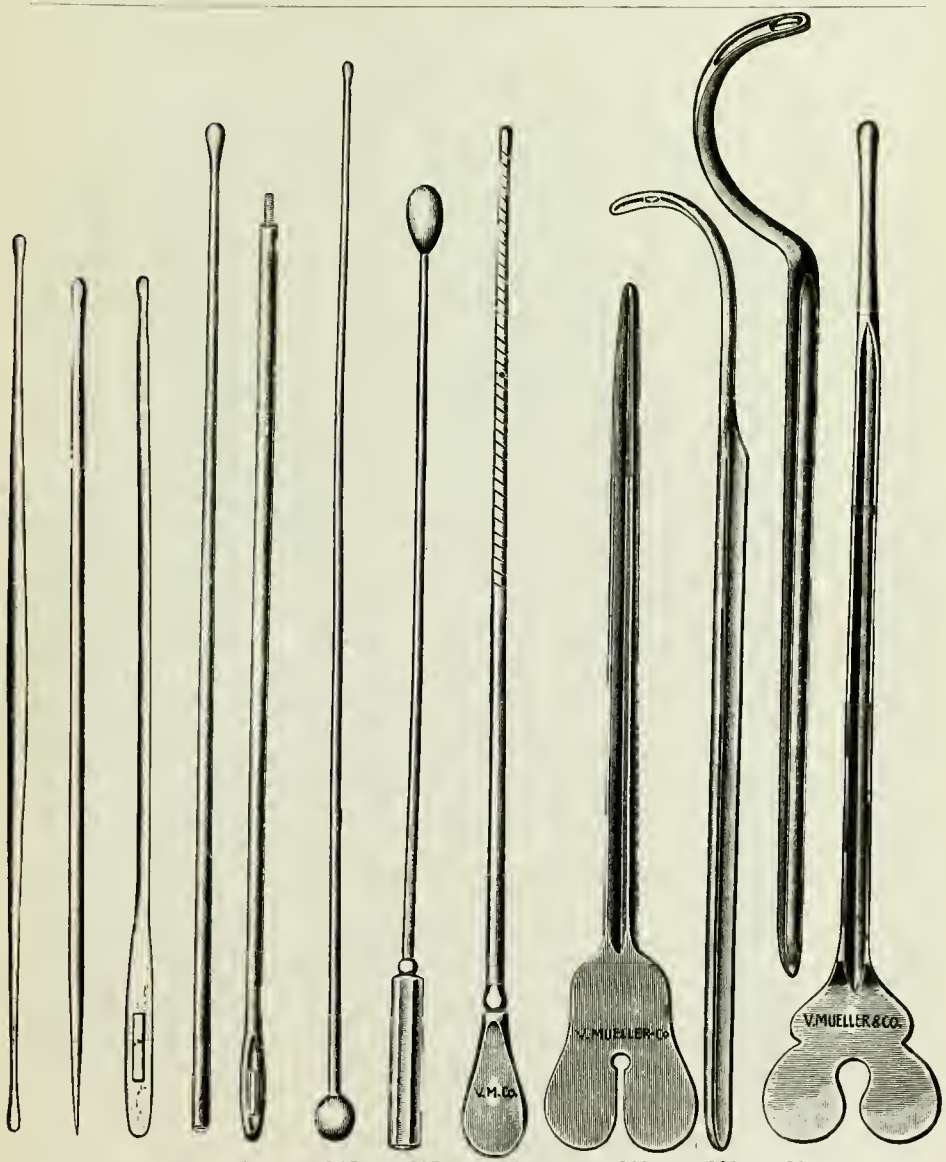
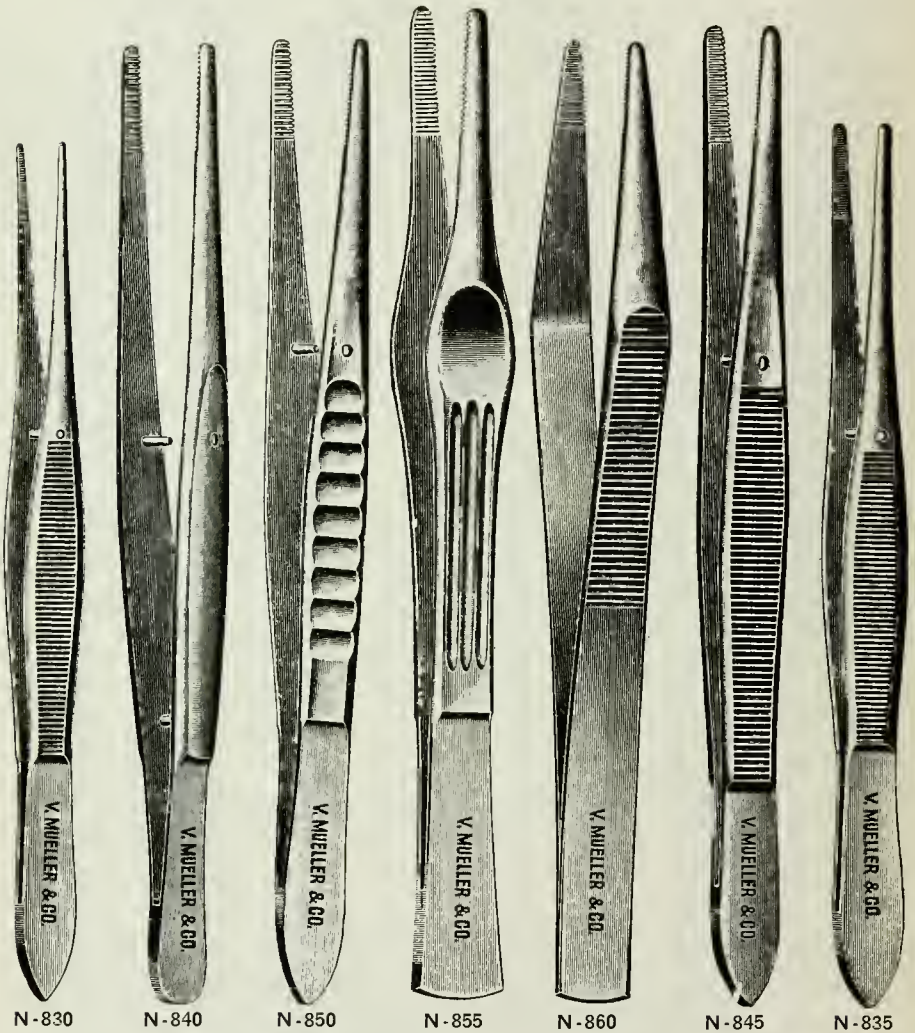


N-775 N-780 N-785 N-790 N-795 N-805 N-800 N-810 N-820 N-825 N-815

PROBES AND DIRECTORS

N-775	Pocket case probe, double ended 4½ ins., each	$0 15
N-780	and N-785 probes, nickel or silver plated, 4½ ins., each $0 10; 5 and 5½ ins., $0 15; 6 and 7 ins., $0 20; 8 ins., $0 25; 10 ins., $0 35; 12 ins.	50
N-790	Probe, nickel plated, can be unscrewed for the purpose of carrying in pocket case, entire length 10½ ins.	60
N-795	Bullet probe, U. S. A. model, 5¾ ins., each	50
N-800	Jenck's spiral flexible probe, 11 ins.	1 00
N-805	Bullet probe, nelation with porcelain head, 5 ins.	50
N-810	Grooved director and tongue tie, 4½ ins., $0 20; 5½ ins., $0 30; 6 ins.	40
N-815	Director and aneurism needle, lesser curve, each	35
N-820	Director and aneurism needle, full curved, 5 ins., $0 40; 6 ins.	50
N-825	Director and tongue tie probe pointed, 4½ ins., $0 35; 5½ ins.	45



TISSUE FORCEPS, SERRATED

N-830	Tissue forceps, 4½ ins., fine points, serrated	$0 45
N-835	Tissue forceps, 4½ ins., heavier points, serrated	45
N-840	Tissue forceps, serrated points, plain, 4 ins., $0 35; 4½ ins., $0 40; 5 ins., $0 45; 6 ins	60
N-845	Tissue forceps serrated points and serrated handle, 4½ ins., $0 40; 5½ ins., $0 50; 6½ ins., $0 65; 8 ins., $0 90; 10 ins., $1 20; 12 ins.	1 40
N-850	Tissue forceps, serrated points, fluted handle, 4½ ins., $0 40; 5 ins., $0 45; 5½ ins..	50
N-855	Tissue forceps, with thumb depression, serrated points, 4½ ins., $0 40; 5 ins., $0 50; 5½ ins.	60
N-860	Tissue and dissecting forceps, serrated points, 4½ ins., $0 35; 5 ins., $0 45; 5½ ins..	60

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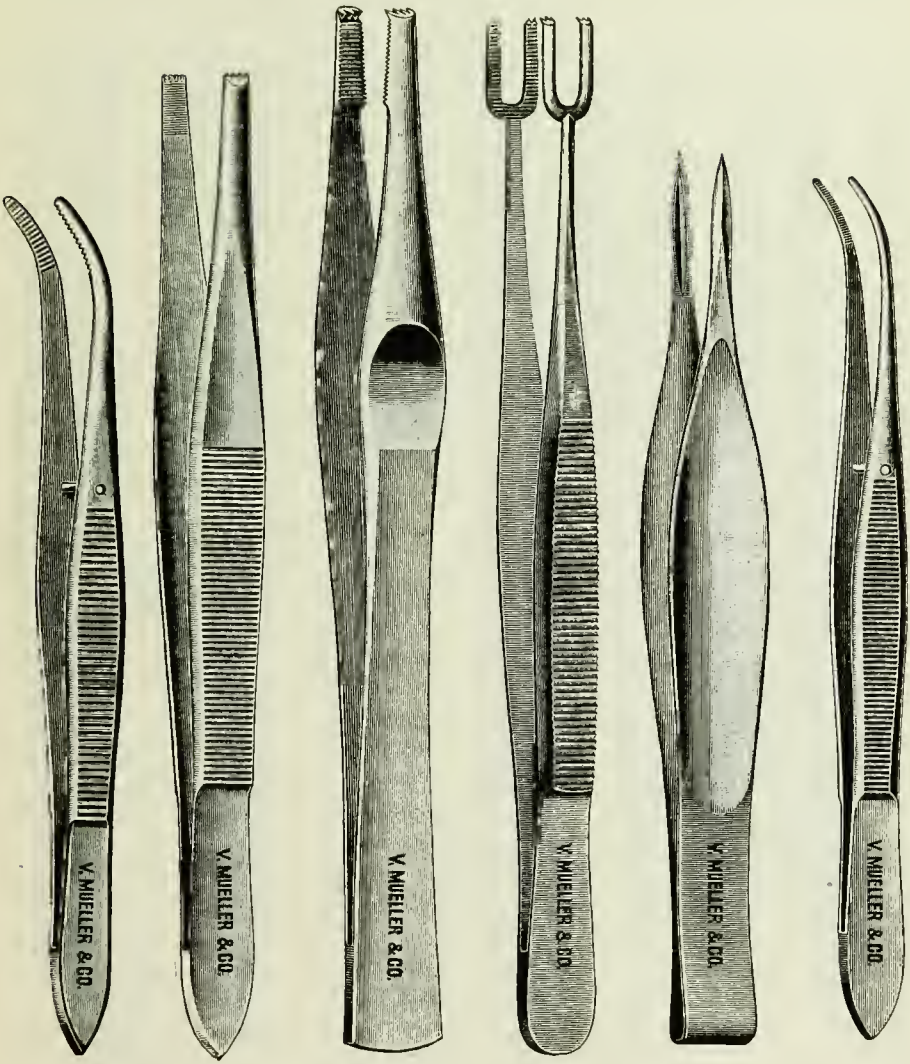

N-865 N-875 N-880 N-885 N-890 N-870

TISSUE FORCEPS, ASSORTED

N-865	Tissue forceps, curved, 4½ ins	$0 50
N-870	Tissue forceps, curved, fine point, 4½ ins	50
N-875	Tissue forceps, Stille's, with teeth and fine serration, 5 ins	75
N-880	Tissue forceps, with teeth and serration, 5½ ins	85
N-885	Tissue forceps, Roublaix', 5¼ ins	1 35
N-885A	Tissue forceps, Roublaix', curved, 5¼ ins	1 50
N-890	Splinter forceps, Feilchenfeld's, 4½ ins	1 25
N-890A	Splinter forceps, Feilchenfeld's, 3 ins	1 00

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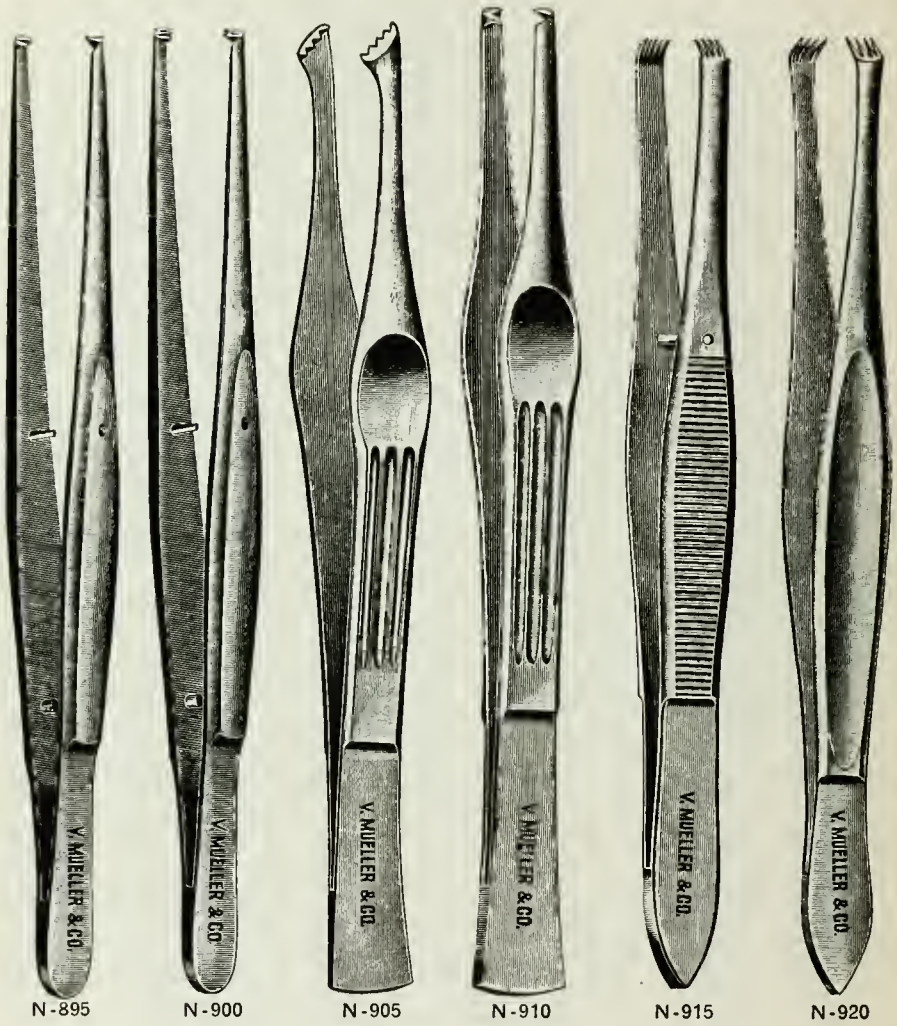

N-895 N-900 N-905 N-910 N-915 N-920

TISSUE FORCEPS, MOUSE TOOTHED

N-895	Tissue forceps, with one and two teeth, 4½ ins., $0 45; 5 ins., $0 50; 5½ ins., $0 55; 6 ins.	$0 65
N-900	Tissue forceps, with two and three teeth, 5 ins., $0 65; 5½ ins., $0 70; 6 ins.	75
N-905	Tissue forceps, Farkas', four and five teeth 5 ins.	1 00
N-910	Tissue forceps, Walter's, one and two teeth, 4½ ins., $0 50; 5 ins., $0 55; 6 ins.	65
N-915	West side hospital tissue forceps, four and five teeth, 5 ins.	75
N-920	Tissue forceps, Senn's, four and five teeth, 5 ins.	75

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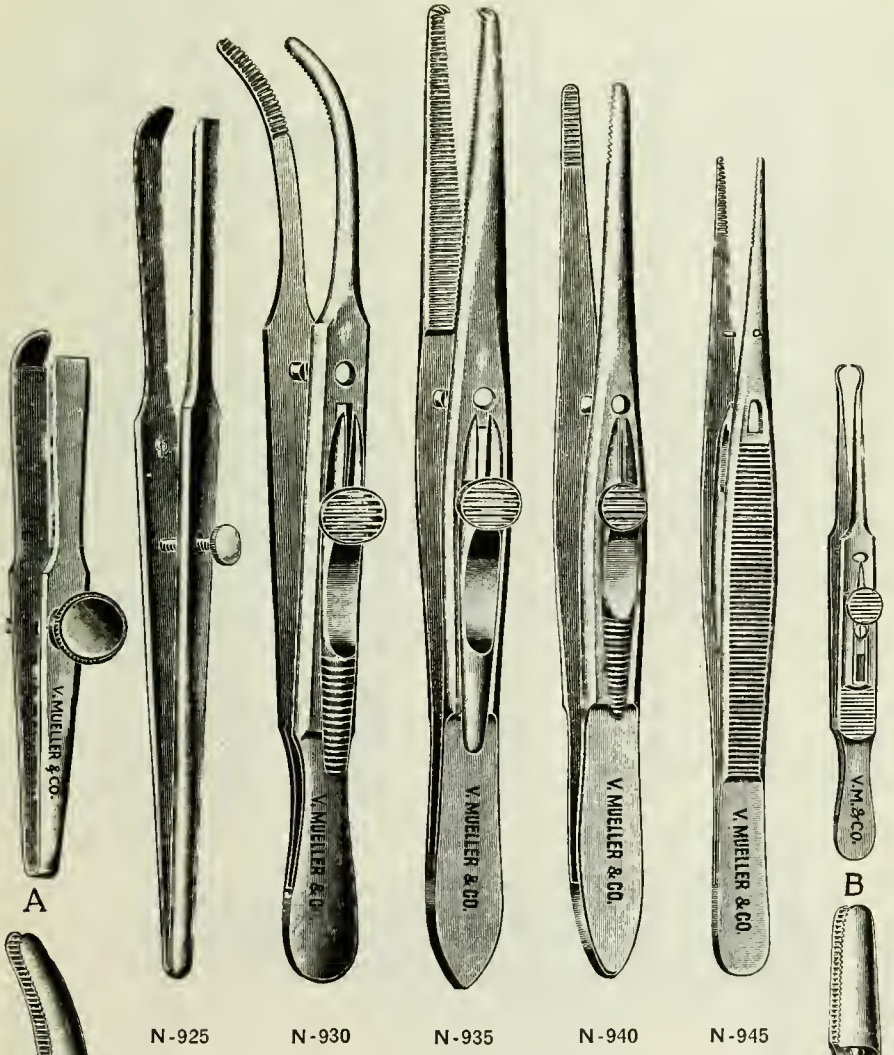

TISSUE AND ARTERY FORCEPS

N-925	Radial artery clamp, Criles', 9 ins.	$1 50
N-925A	Carotid artery clamp, Criles', 2¾ ins., $1 00; 1½ ins., $0 75; curved heavy, 4½ ins., not illustrated.	1 85
N-930	Artery forceps, with slide catch, 5¼ ins., curved.	1 40
N-935	Artery forceps, with slide catch, two and three teeth 5 ins.	1 50
N-940	Artery forceps, with slide catch, serrated points, 4½ ins., $0 90; 5 ins.	1 00
N-945	Vein forceps, Criles', with spring catch, serrated point, 4½ ins.	1 75
N-945B	Fixation forceps, with catch, Esmarch's, 5 ins.	1 50
N-950	Artery clamp, Dieffenbach's, curved, actual size.	50
N-955	Artery clamp, Dieffenbach's, straight, actual size.	45

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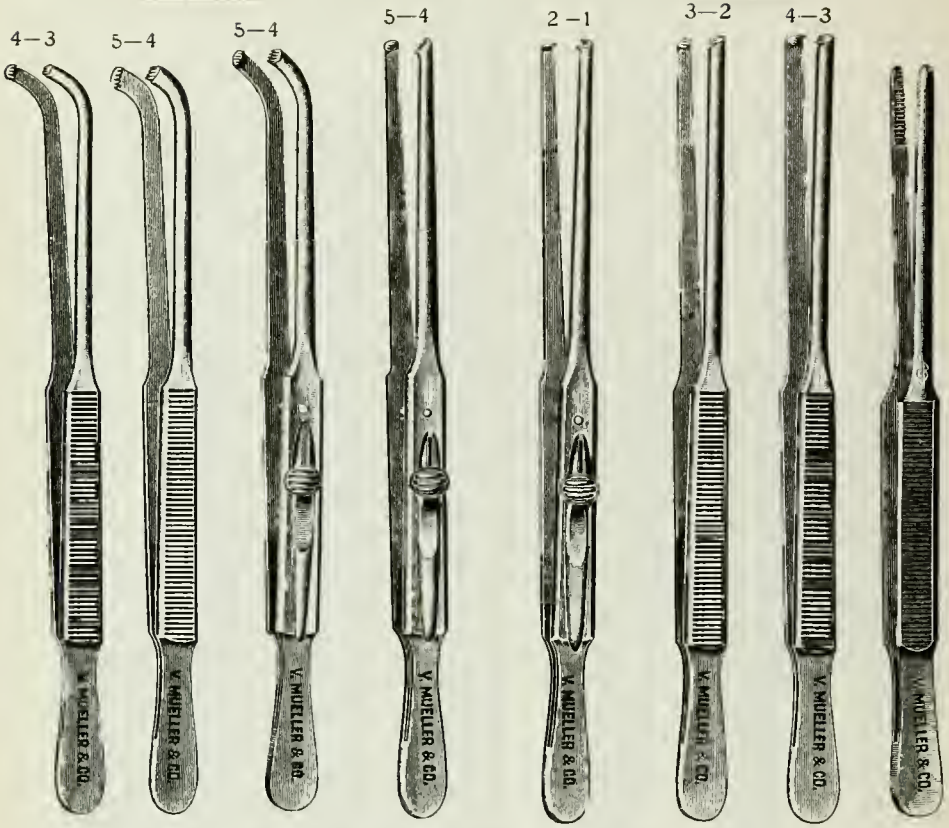

N-960 N-965 N-970 N-975 N-980 N-985 N-990 N-995



N-1010



N-1000



N-1005

TISSUE FORCEPS, ASSORTED

N-960	Tissue forceps, curved, three and four teeth, 8 ins., each	$1 25
N-965	Tissue forceps, curved, four and five teeth, 8 ins.	1 25
N-970	Tissue forceps, with slide catch, curved, four and five teeth, 8 ins.	1 75
N-975	Tissue forceps, slide catch, four and five teeth, straight, 8 ins.	1 60
N-980	Tissue forceps, slide catch, one and two teeth, straight, 8 ins.	1 50
N-985	Tissue forceps, two and three teeth, 8 ins.	1 10
N-990	Tissue forceps, three and four teeth 8 ins.	1 10
N-995	Tissue forceps, serrated points, 8 ins.	90
N-1000	Tissue forceps, Ochsner's, four and five teeth, 5 ins., $0 75; 6 ins., $0 85; 7 ins., $1 00; 8 ins.	1 10
N-1005	Splinter forceps, 2½ ins., $0 35; 3½ ins., $0 40; 4½ ins.	45
N-1010	Tissue forceps, Mayo's, actual size, 3½ ins.	75

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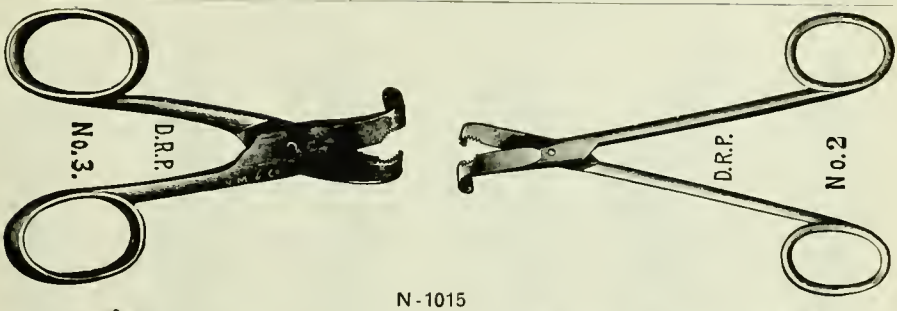
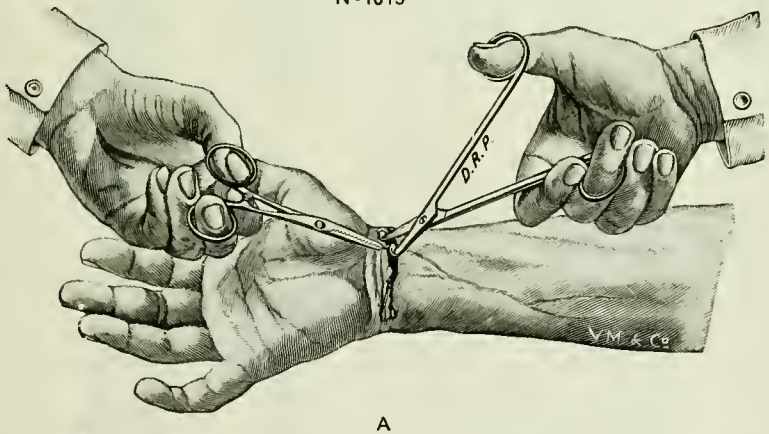


N-1015



A
N-1015A

HAEMOSTATIC FORCEPS

N-1015 Blunk's haemostatic forceps, for crushing bleeding vessels, made in three sizes, each.... $3 50
This instrument is considered to be one of the most important additions to the surgeons Armamentarium that has ever been invented. It renders the astriction or twisting of bleeding vessels superfluous. One grasp of the bleeding vessel completely stops the haemorrhage, and the inclusion of adjoining tissue in the grasp is not detrimental.
The instruments have been used successfully for the last few years in Europe, and recently some of our most prominent surgeons have adopted and are recommending them highly.

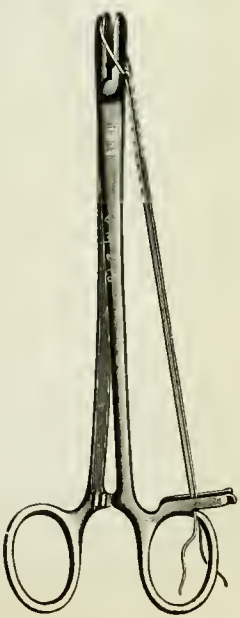
N-1015A Illustration shows method of using the Blunk's haemostatic forceps. Write for circular.

N-1020 Shoemaker-Murphy's haemostatic forceps.... 2 25

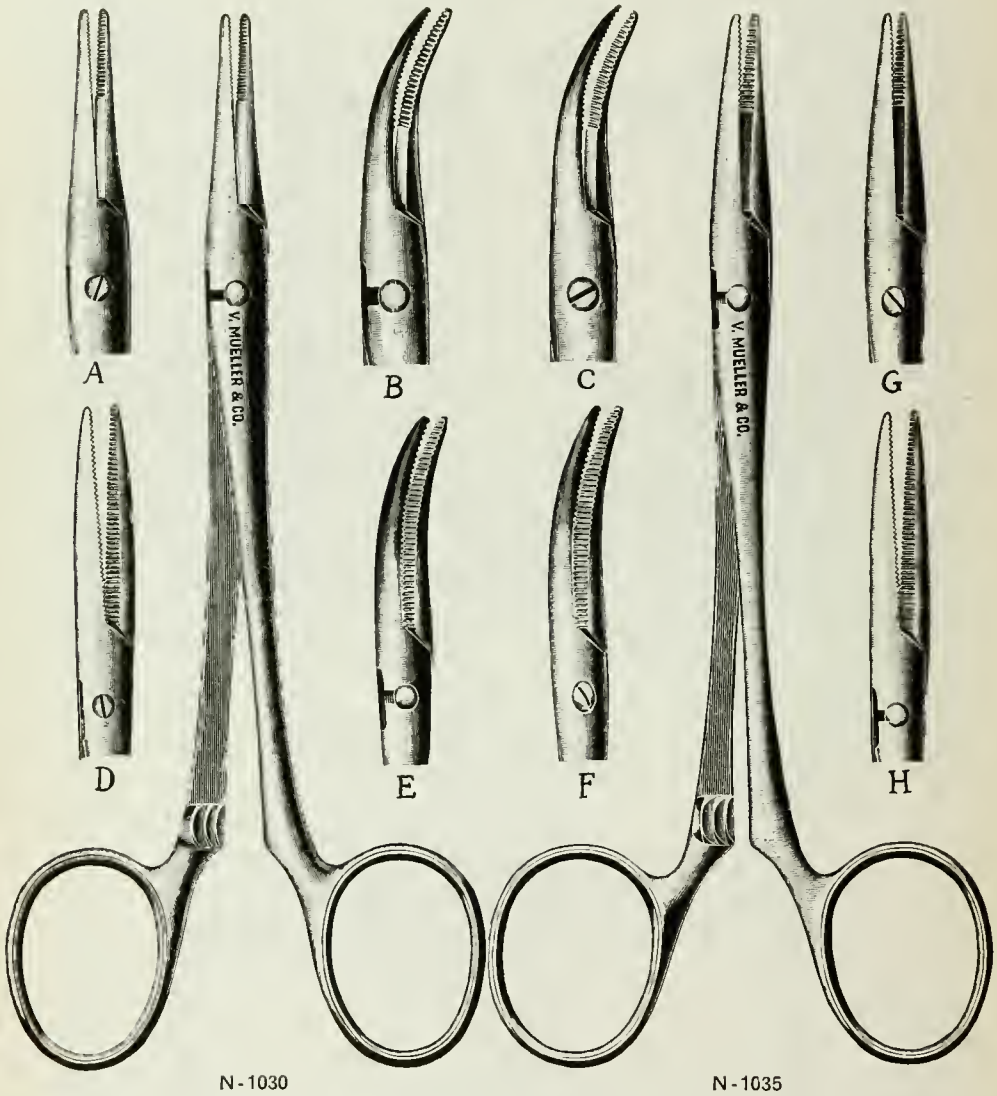
N-1025 Shoemaker's original haemostatic forceps 5½ ins., $2 25; 7 ins..... 2 50



N-1020



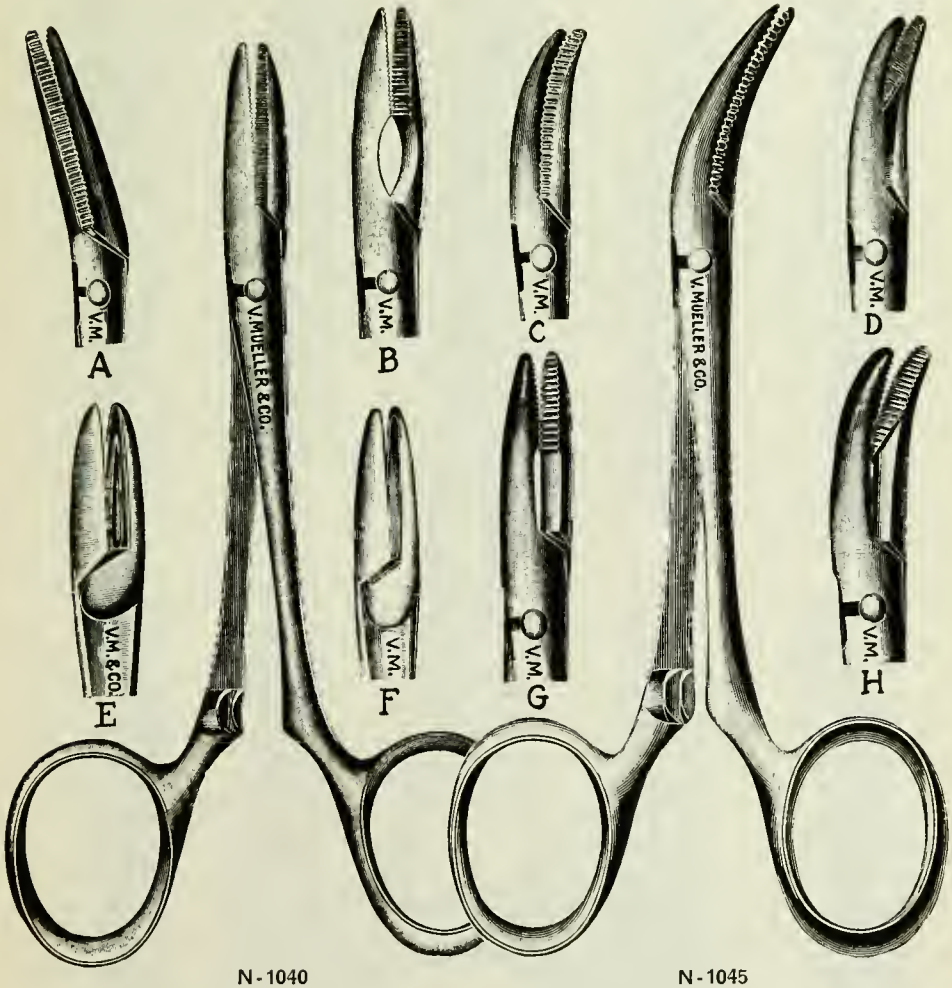
N-1025



ARTERY FORCEPS

N-1030	Artery forceps, Kelly's, illustration showing actual size, 5½ ins., slide lock, each	$0 90
N-1030A	Same as above, screw lock	90
N-1030B	Artery forceps, Kelly-Hopkins, curved, 5½ ins., slide lock	1 00
N-1030C	Artery forceps, Kelly-Hopkins, curved, 5½ ins., screw lock	1 00
N-1030D	Artery forceps, Jones', 5 ins., screw lock	80
N-1030E	Artery forceps, Jones', 5 ins., curved, slide lock	90
N-1030F	Artery forceps, Jones', 5 ins., curved, screw lock	90
N-1035	Artery forceps, Hopkin-Kelly's, illustration showing actual size, slide lock	80
N-1035G	Artery forceps, Hopkin-Kelly's, screw lock	80
N-1035H	Artery forceps, Jones', 5 ins., slide lock	80

Do not mutilate catalogue.—Specify section letter and number in ordering.



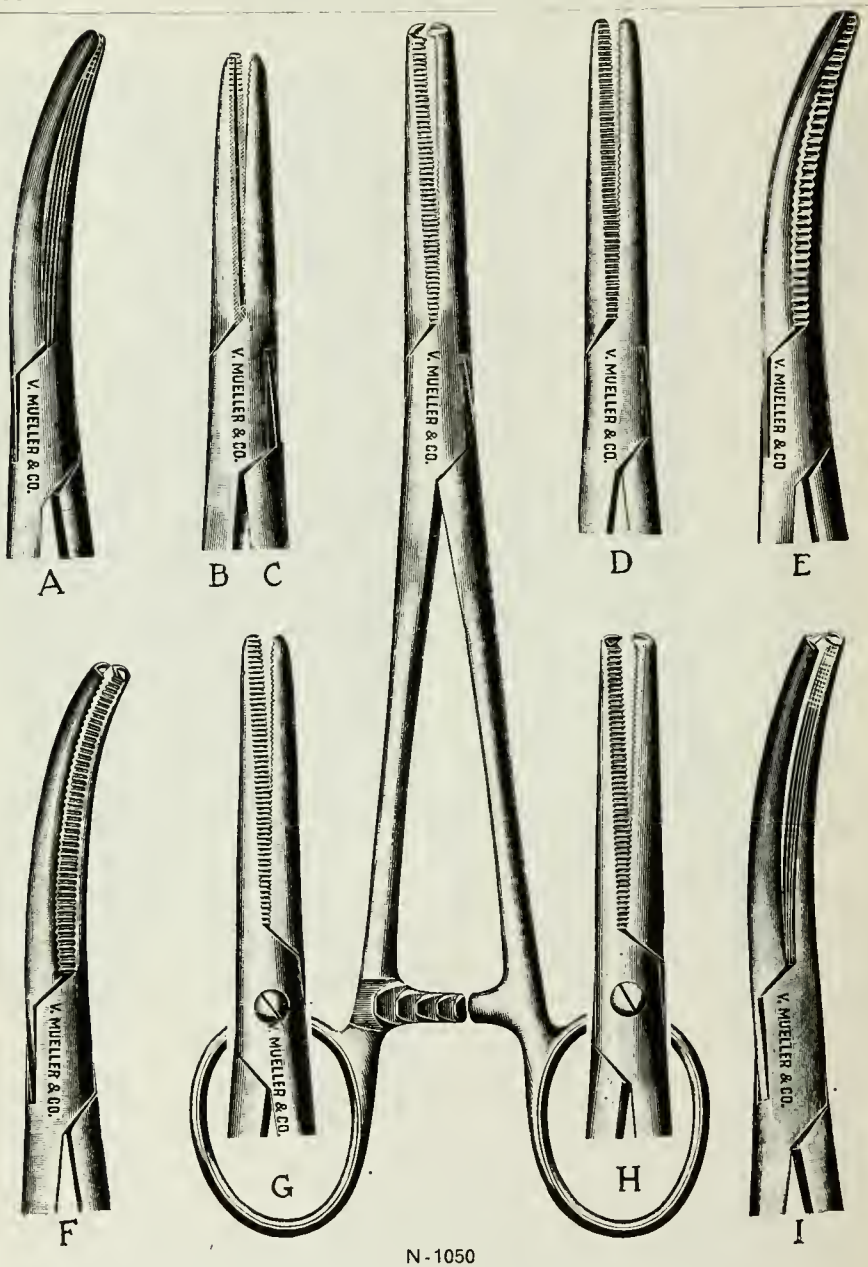
N-1040 N-1045

ARTERY FORCEPS—Continued

N-1040	Artery forceps, Tait's, slide lock, 4¾ ins.	$0 75
N-1040A	Artery forceps, curved on flat, 5 ins.	75
N-1040B	Artery forceps, Halsted's, 5½ ins.	75
N-1040C	Artery forceps, curved on flat, 4¾ ins.	75
N-1040D	Artery forceps, Halsted's, curved, 5 ins.	85
N-1040E	Artery forceps, Greig-Smith's, 5 ins.	1 00
N-1040F	Artery forceps, Greig-Smith's, light, 5 ins.	85
N-1040G	Artery forceps, Halsted's, 5½ ins., straight	90
N-1040H	Artery forceps, Halsted's, 5½ ins., curved	1 00
N-1045	Artery forceps, Tait's, narrow point, curved on flat, 5 ins.	85

Illustrations show actual size of forceps.

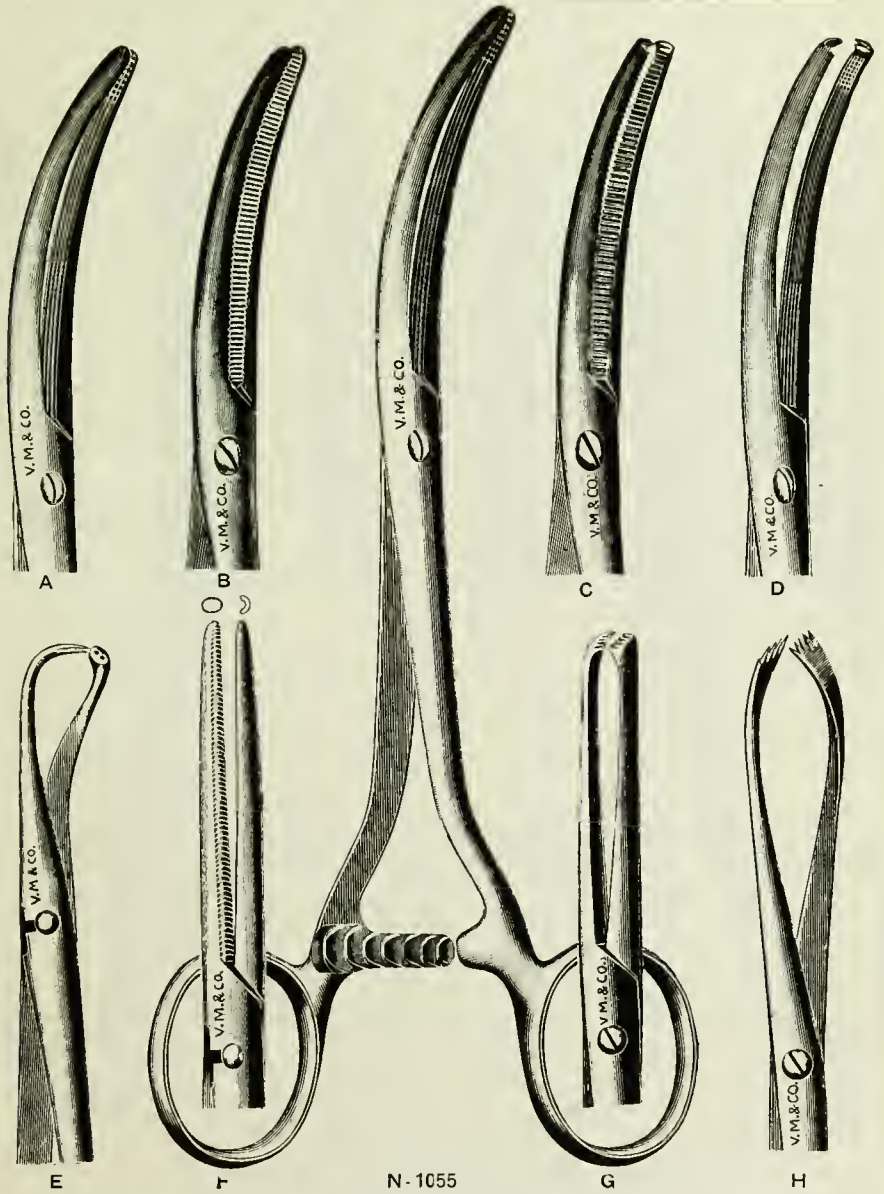
Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1050

ARTERY FORCEPS—Continued

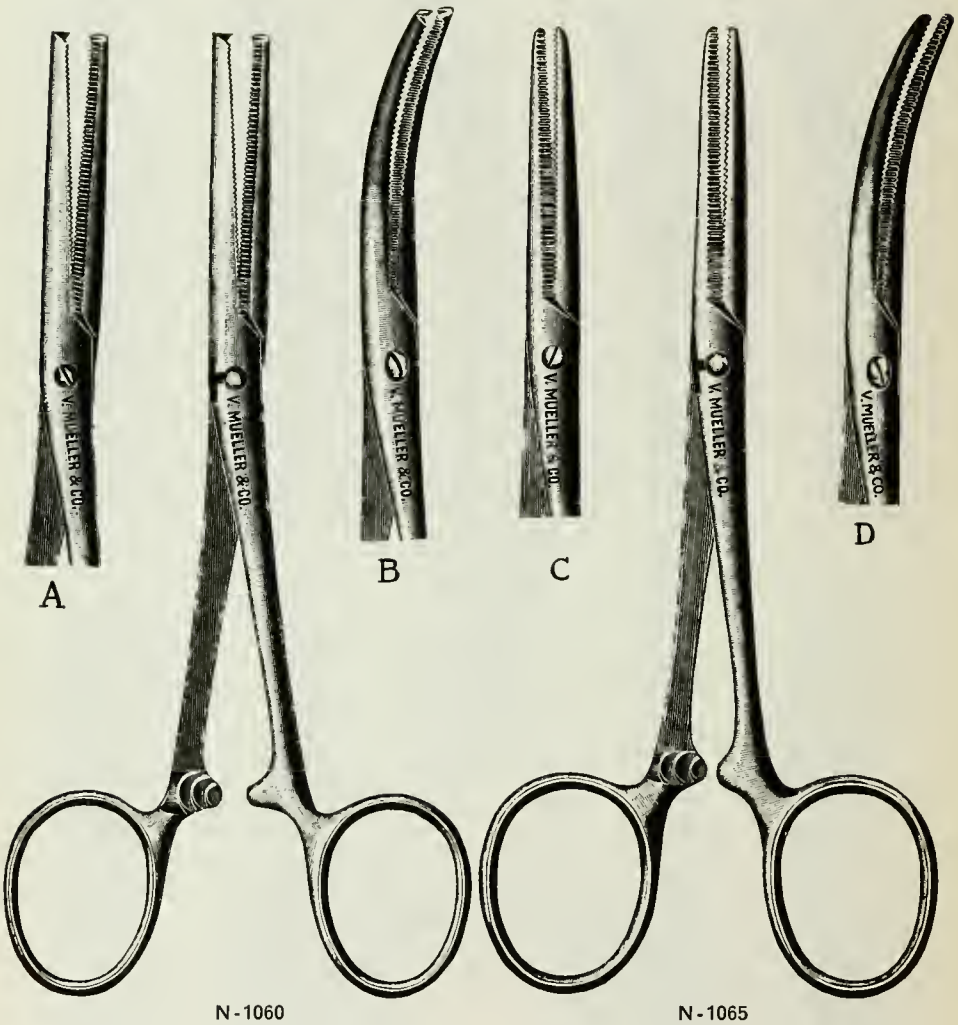
N-1050 Artery forceps, Ochsner's, mortised joint, 6¼ ins., $1 50; 7¼ ins., $1 75; 8 ins.... $2 25
N-1050A Artery forceps, Carmalt's, mortised joint, 6¼ ins., $1 50; 7¼ ins., $1 75; 8 ins.... 2 00
N-1050B and C artery forceps, Barrett's, mortised joint. B 6¼ ins., $1 50; C 8 ins..... 2 00
N-1050D Artery forceps, Pean's, mortised joint, 6¼ ins., $1 50; 7¼ ins., $1 75; 8 ins..... 2 00
N-1050E Artery forceps, Pean's, curved, mortised joint, 6¼ ins., $1 50; 7¼ ins., $1 75; 8 ins 2 00
N-1050F and I artery forceps, Carmalt's mouse toothed, with cross or length serrations, mortised joint 6¼ ins., $1 50; 7¼ ins., $1 75; 8 ins..... 2 00
N-1050G Artery forceps, Pean's, and H artery forceps, Ochsner's, screw lock, 6¼ ins., $1 25; 7¼ ins., $1 50; 8 ins..... 1 75



ARTERY FORCEPS, ETC

N-1055 Artery forceps, Carmalt's, curved on flat, 6 ins., serrated points..... $1 25
N-1055B Artery forceps, Kelly's, curved on flat, 6 ins., cross serrations..... 1 25
N-1055C Artery forceps, Kelly's, curved on flat, 6 ins., mouse toothed..... 1 35
N-1055D Artery forceps, Carmalt's, curved on flat, 6 ins., mouse toothed..... 1 35
N-1055E Marginal tenaculum forceps, Smith's, 5 ins..... 1 50
N-1055F Nerve forceps, Thiersch's, 6 ins..... 1 50
N-1055G Tissue forceps, Mayo's, 5¾ ins..... 1 35
N-1055H Anastomosis forceps, Allis', 6¼ ins..... 1 35

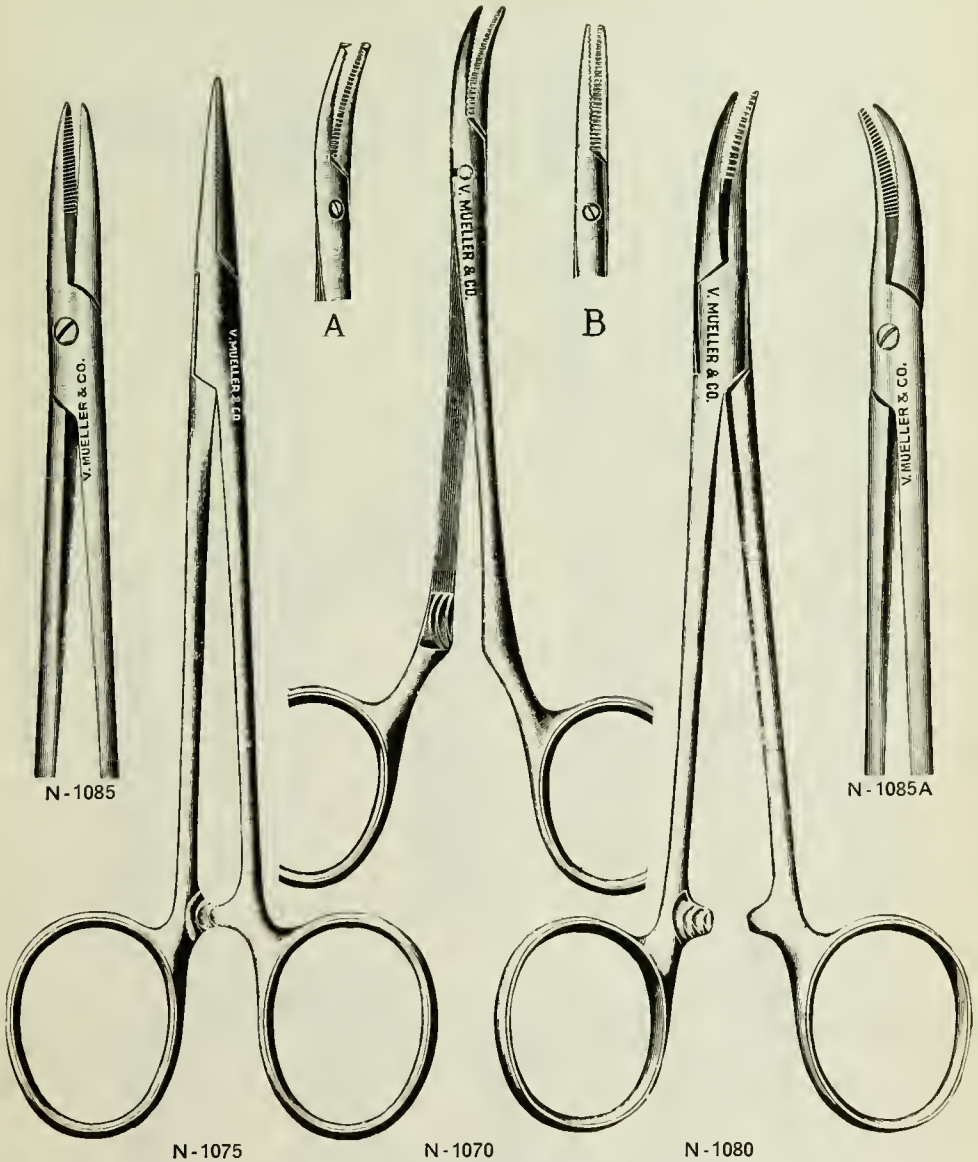
Do not mutilate catalogue.—Specify section letter and number in ordering.



ARTERY FORCEPS—Continued

N-1060	Artery forceps, Kocher's, straight, slide lock, 4½ ins., $0 75; 5 ins., $0 85; 5½ ins.	$0 90
N-1060A	Artery forceps, Kocher's, straight, screw lock, 4½ ins., $0 75; 5 ins, $0 85; 5½ ins.	90
N-1060B	Artery forceps, Kocher's, curved, screw lock, 5 ins., $1 00; 5½ ins.	1 10
N-1065	Artery forceps, Pean's, straight, slide lock, 5 ins.	75
N-1065C	Artery forceps, Pean's, straight, screw lock, 5 ins.	75
N-1065D	Artery forceps, Pean's, curved, screw lock, 5 ins.	85
N-1065E	(not illustrated) artery forceps, Van Hook's, similar to Fig. N-1060A, but considerably heavier throughout, 5½ ins.	96

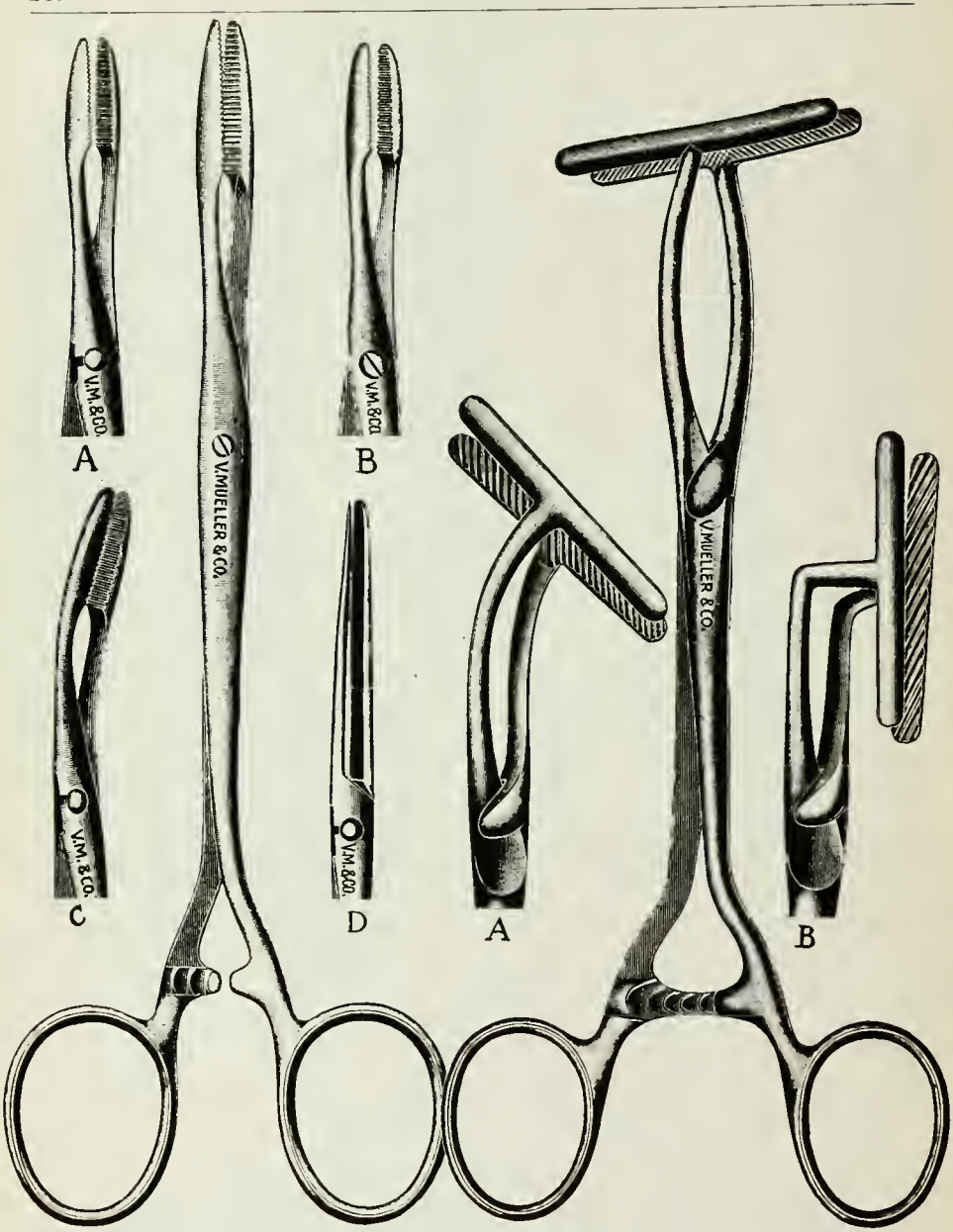
Do not mutilate catalogue.—Specify section letter and number in ordering.



ARTERY FORCEPS WITH FINE POINTS

N-1070	Mosquito forceps, Halsted's, curved, 4¾ ins., screw or slide lock, serrated points	$0 95
N-1070A	Mosquito forceps, Halsted's curved, 4¾ ins., screw or slide lock, mouse toothed..	1 10
N-1070B	Mosquito forceps, Halsted's, straight, 4¾ ins., screw or slide lock, serrated points	90
N-1075	Mosquito forceps, Providence hospital pattern, mortised lock, 5½ ins., straight, serrated points	1 35
N-1080	Mosquito forceps, Providence hospital pattern, mortised lock, 5½ ins., curved, serrated points	1 50
N-1085	Mosquito forceps, Providence hospital pattern, screw lock, 5½ ins., straight, serrated points	90
N-1085A	Mosquito forceps, Providence hospital pattern, screw lock, 5½ ins., curved, serrated points	1 00

Do not mutilate catalogue.—Specify section letter and number in ordering.

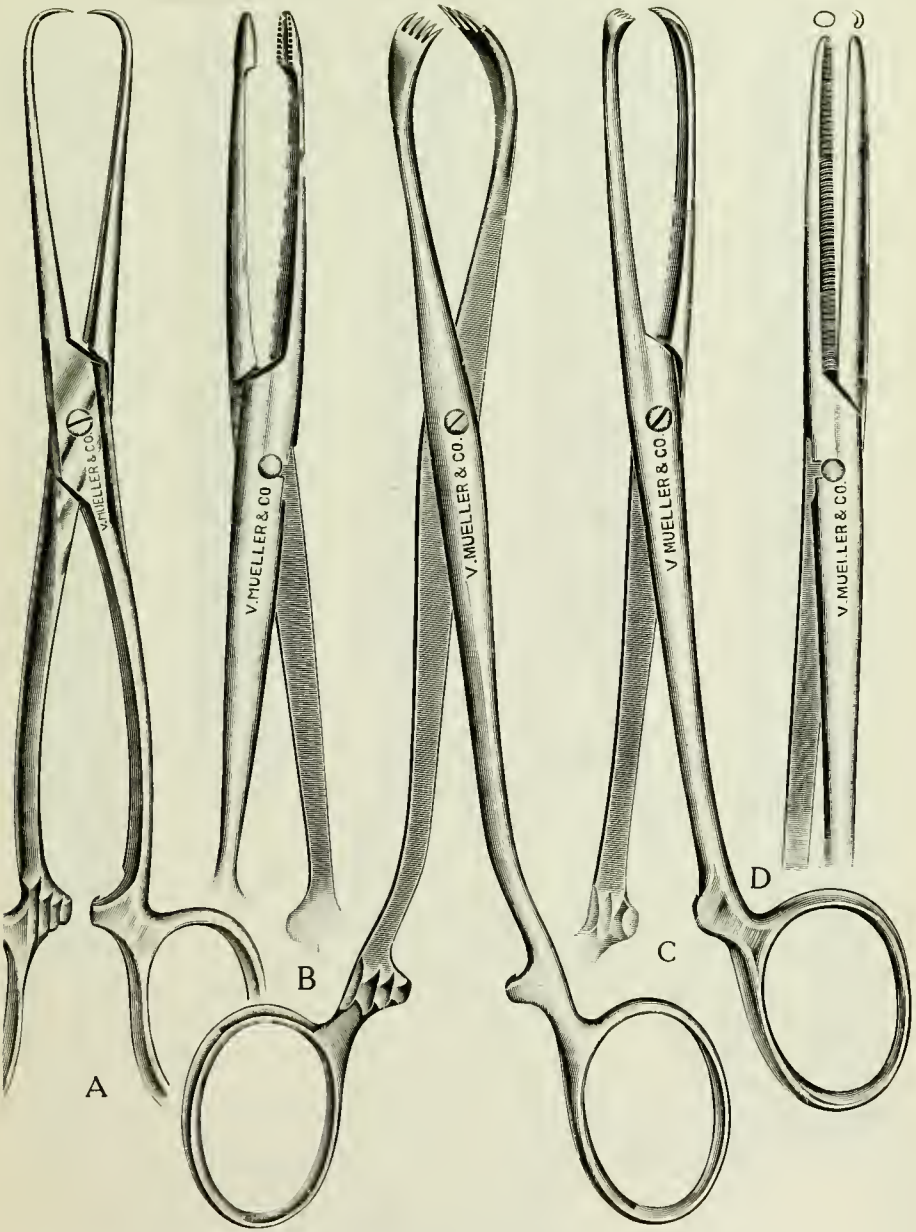


N-1090 N-1095

ARTERY FORCEPS—Continued

N-1090	Artery forceps, Murphy's, light shanks, 6½ ins.	$0 85
N-1090A	Artery forceps, Pean's, slide lock, 4½ ins., $0 50; 5 ins., $0 60; 5½ ins.	75
N-1090B	Artery forceps, Pean's, screw lock, 4½ ins., $0 50; 5 ins., $0 60; 5½ ins.	75
N-1090C	Artery forceps, Pean's, slide lock, curved, 4½ ins.	60
N-1090D	Acupressure forceps, Allis', 5 ins., straight, $0 85; curved	1 00
N-1095	Artery forceps, Pean's, T shaped, 5¾ ins., straight	1 50
N-1095A	Artery forceps, Pean's, T shaped, blades 90 degrees to handle, 5¾ ins.	1 65
N-1095B	Artery forceps, Pean's, T shaped, blades parallel to handle, 5¾ ins.	1 65

Do not mutilate catalogue.—Specify section letter and number in ordering.

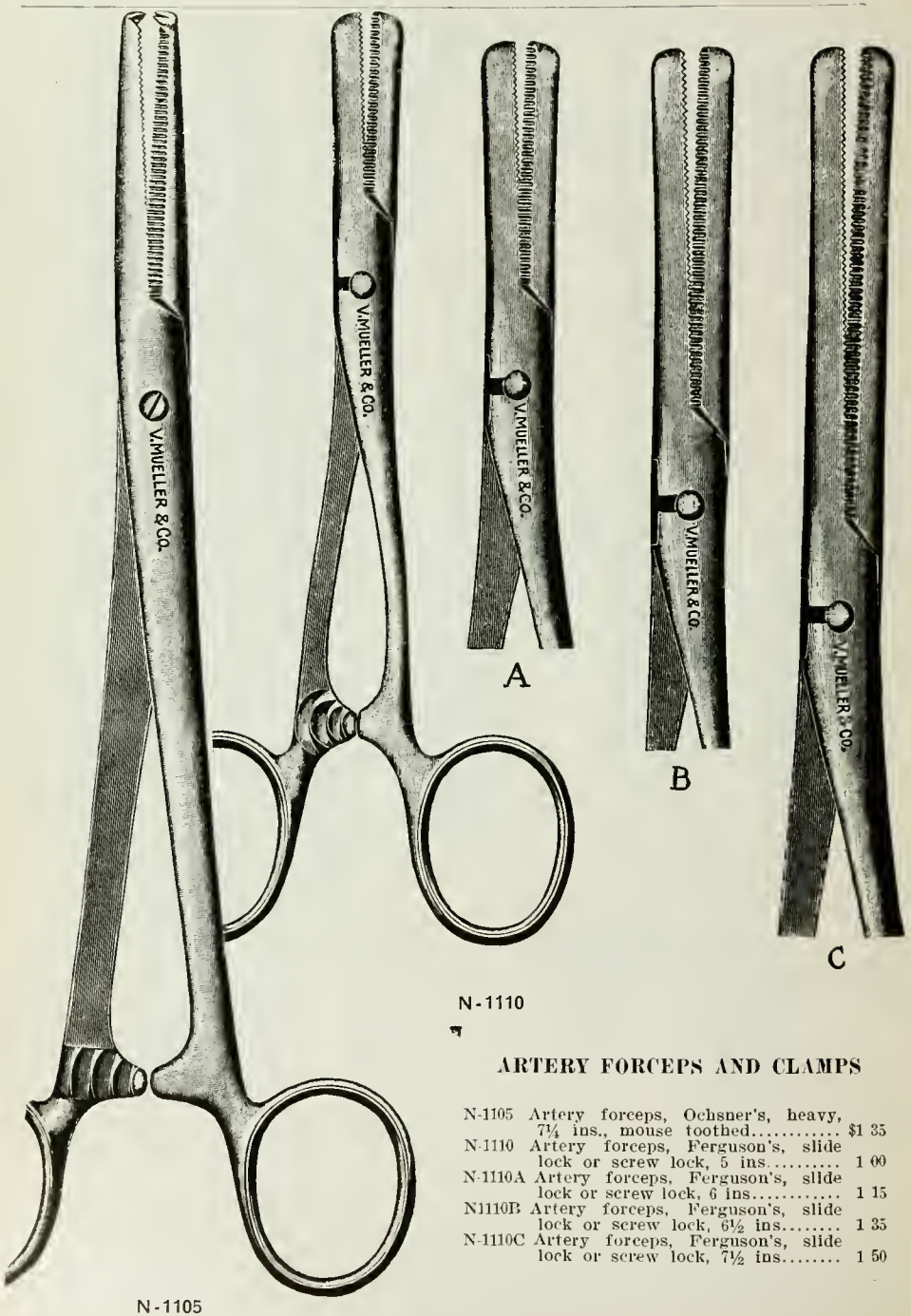


N-1100

TISSUE AND TENACULUM FORCEPS

N-1100 Tissue forceps, Rogers', 6¼ ins.	$1 35
N-1100A Tenaculum forceps, Ferguson's, screw lock or Collin's lock, 5¾ ins.	1 50
N-1100B Tack forceps, Allis' improved model, 6 ins.	1 50
N-1100C Tissue forceps, Allis', 5¾ ins.	1 35
N-1100D Nerve forceps, Thiersch's, 6 ins.	1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



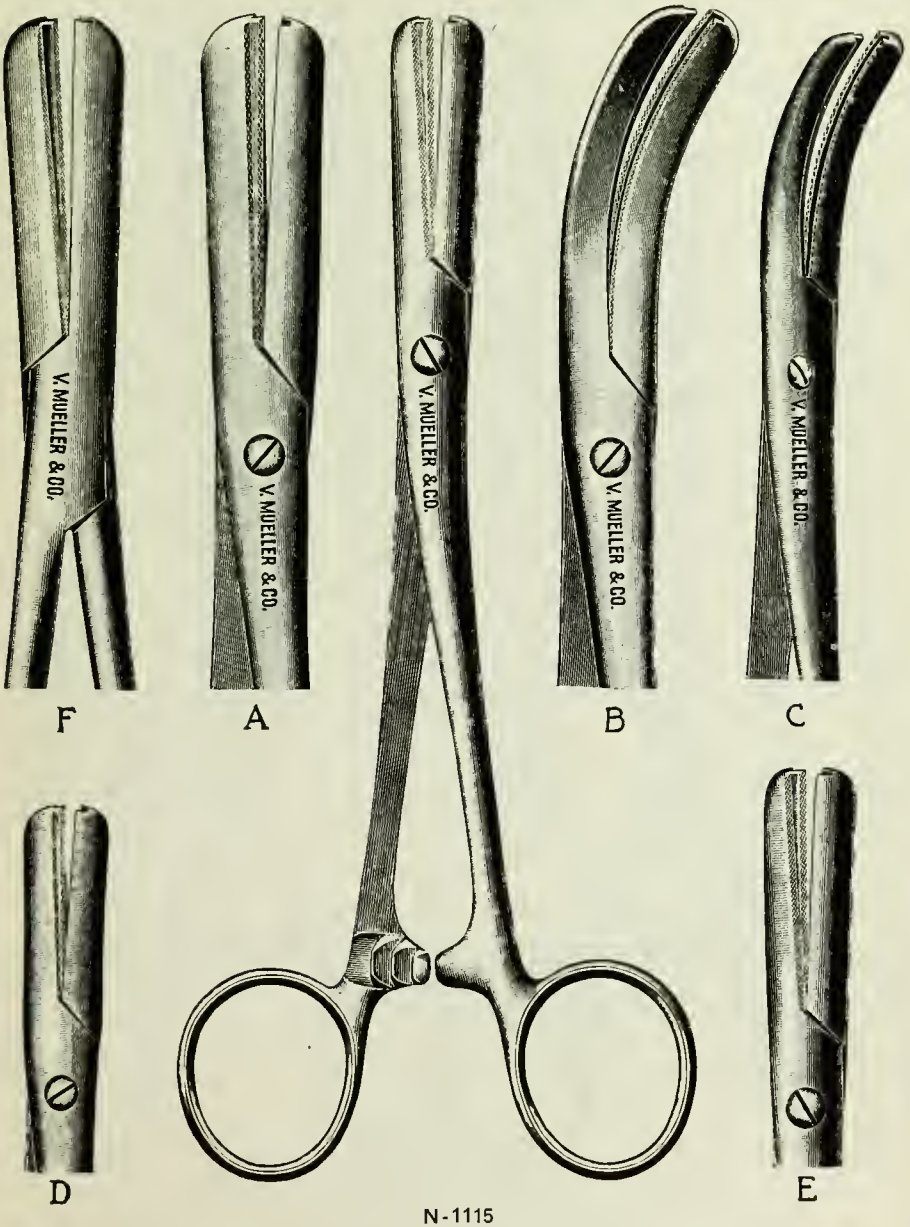
N-1110

N-1105

ARTERY FORCEPS AND CLAMPS

N-1105	Artery forceps, Ochsner's, heavy, 7¼ ins., mouse toothed	$1 35
N-1110	Artery forceps, Ferguson's, slide lock or screw lock, 5 ins.	1 00
N-1110A	Artery forceps, Ferguson's, slide lock or screw lock, 6 ins.	1 15
N1110B	Artery forceps, Ferguson's, slide lock or screw lock, 6½ ins.	1 35
N-1110C	Artery forceps, Ferguson's, slide lock or screw lock, 7½ ins.	1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.

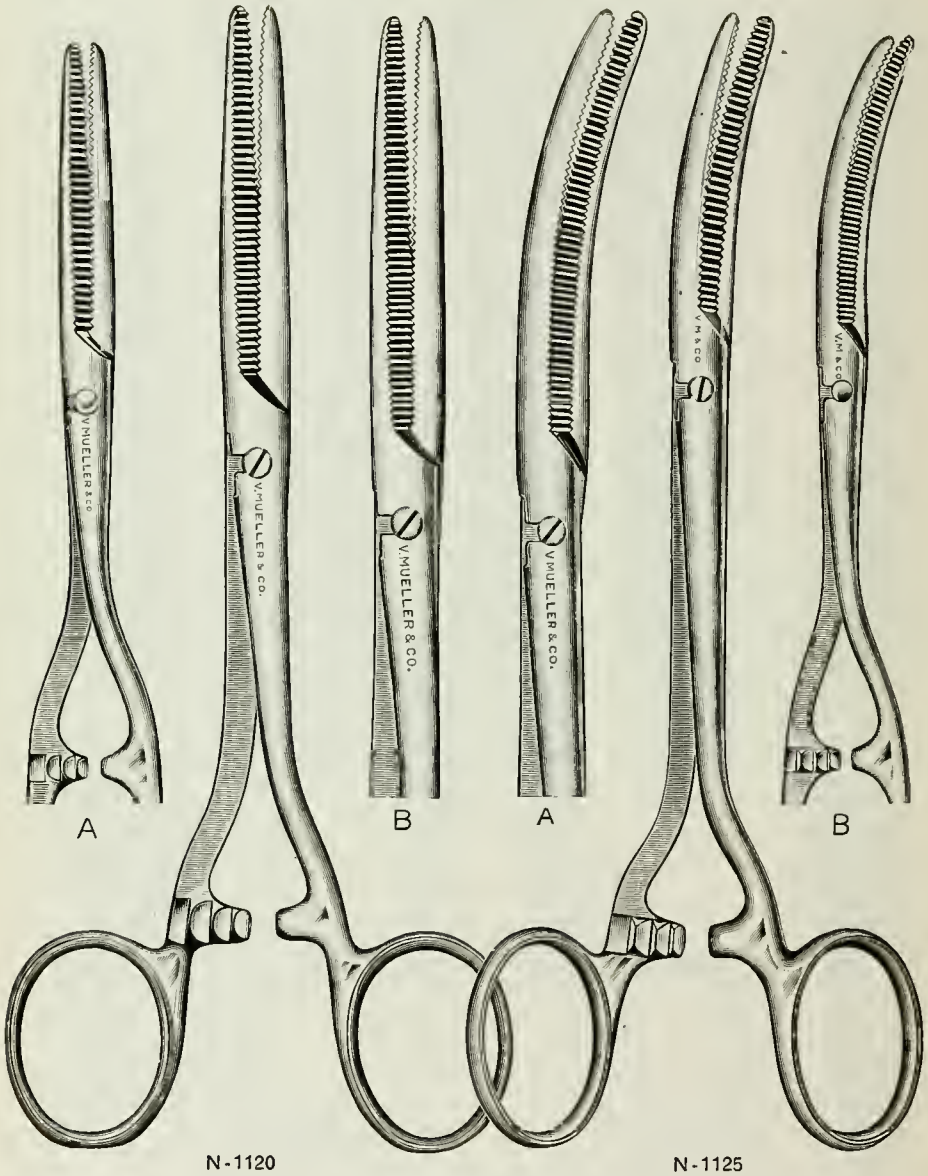


N-1115

ANGIOTRIBES, FERGUSON'S

N-1115 Angiotribe, Ferguson's, straight, 5¼ ins., $1 50; 6¼ ins..... $1 65
N-1115A Angiotribe, Ferguson's, straight, screw lock, 7¾..... 1 75
N-1115B Angiotribe, Ferguson's, curved, screw lock, 7¾ ins..... 2 00
N-1115C Angiotribe, Ferguson's, curved, screw lock, 6¼ ins..... 1 75
N-1115F Angiotribe, Ferguson's, straight, mortised joint, 7¾ ins..... 2 25

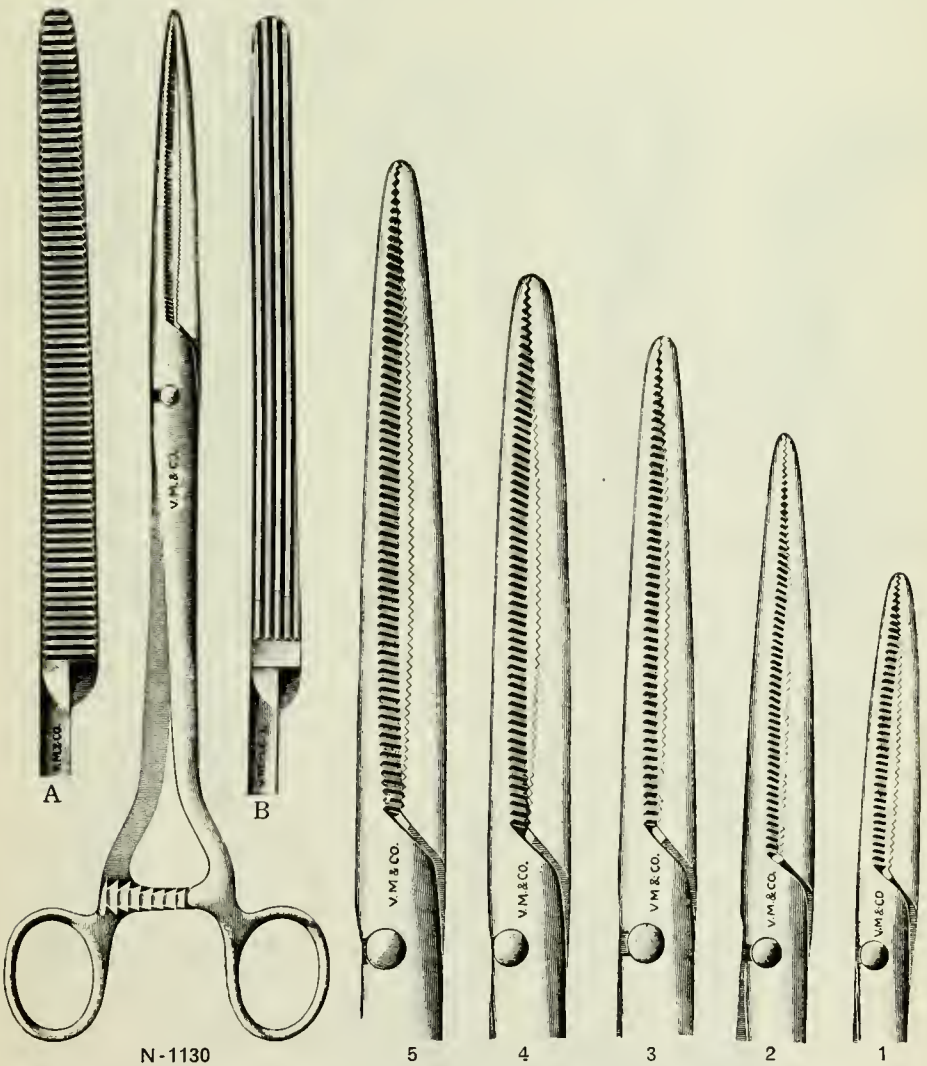
Do not mutilate catalogue.—Specify section letter and number in ordering.



HYSTERECTOMY FORCEPS

N-1120A and B, hysterectomy forceps, Ethridge's, straight, 6 ins., $1 25; 7 ins., $1 50; 8 ins. $1 75
N-1125A and B, hysterectomy forceps, Ethridge's, curved, 6 ins., $1 35; 7 ins., $1 65; 8 ins. 1 90
These forceps are kept in stock both with screw lock and slide lock.

Do not mutilate catalogue.—Specify section letter and number in ordering.

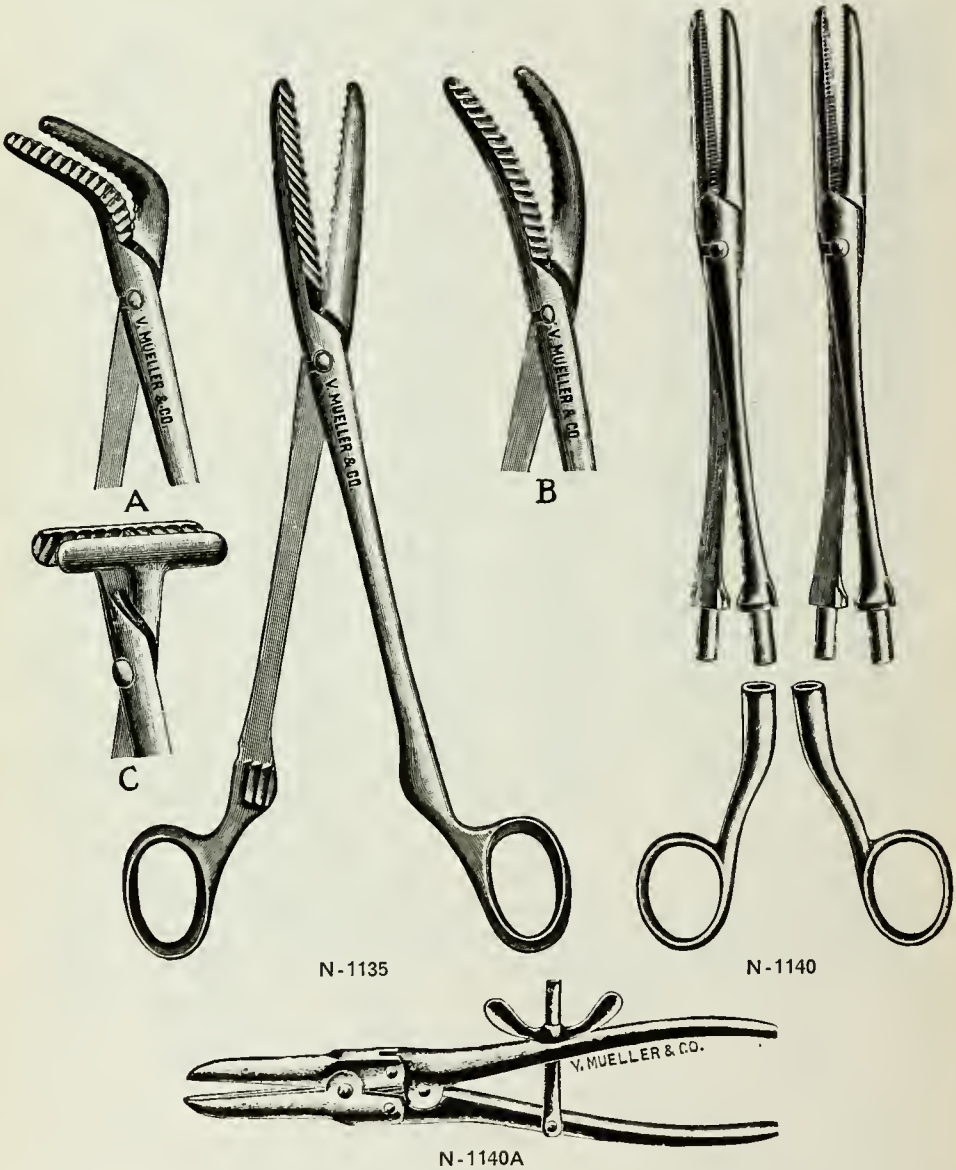


HYSTERECTOMY FORCEPS—Continued

N-1130	Hysterectomy forceps, Pean's, jaws with serrations A or B, Fig. 1, 6 ins.....	$1 25
N-1130	Hysterectomy forceps, Pean's, jaws with serrations A or B, Fig. 2, 7 ins.....	1 50
N-1130	Hysterectomy forceps, Pean's, jaws with serrations A or B, Fig. 3, 8 ins.....	1 75
N-1130	Hysterectomy forceps, Pean's, jaws with serrations A or B, Fig. 4, 9 ins.....	2 10
N-1130	Hysterectomy forceps, Pean's, jaws with serrations A or B, Fig. 5, 10 ins., $2 25; 11 ins.	2 50

These hysterectomy forceps are kept in stock both with screw lock and with slide lock.

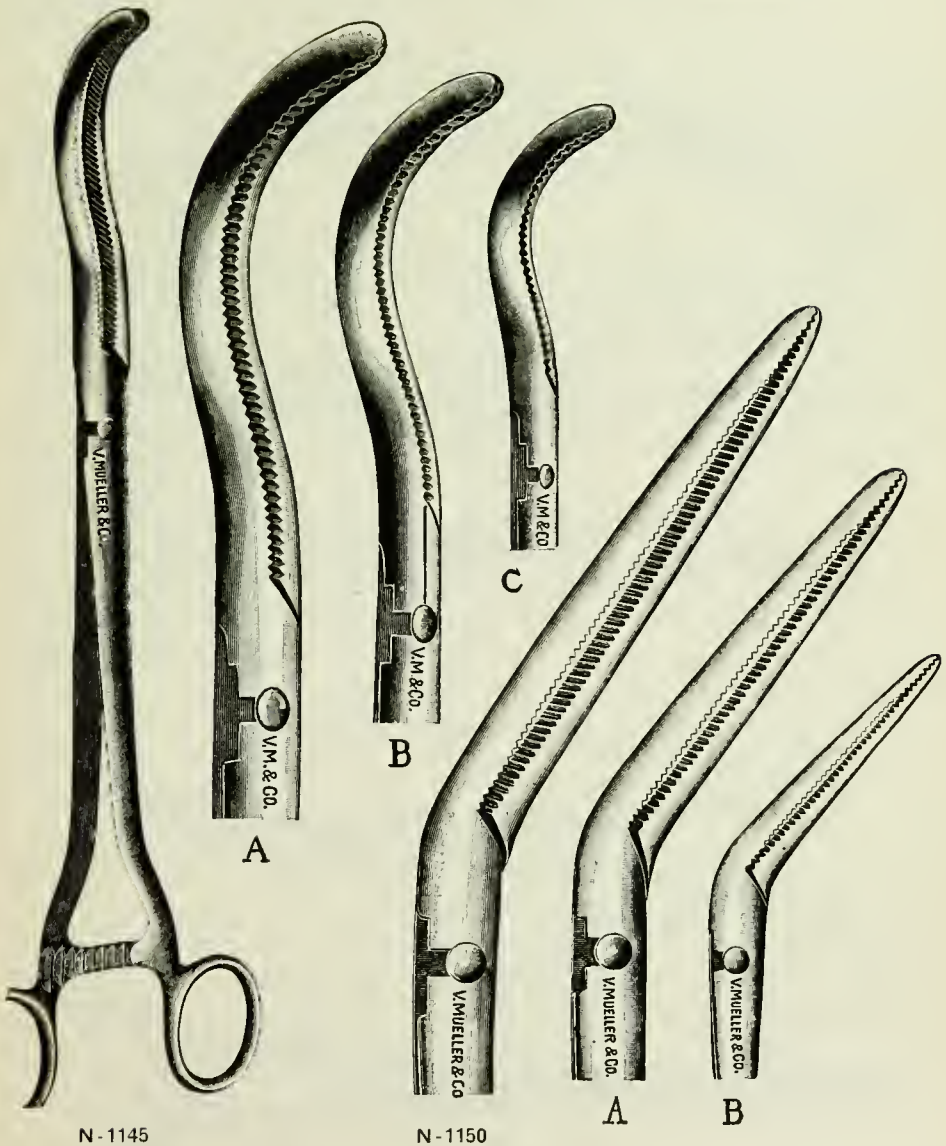
Do not mutilate catalogue.—Specify section letter and number in ordering.



HYSTERECTOMY FORCEPS AND ANGIOTRIBES

N-1135	Hysterectomy forceps, Spencer-Wells', straight, 9½ ins.	$2 00
N-1135A	Hysterectomy forceps, Spencer-Wells', blades, 90 degrees to handle, 9½ ins.	2 50
N-1135B	Hysterectomy forceps, Spencer-Wells', curved ⅜ circle, 9½ ins.	2 25
N-1135C	Hysterectomy forceps, Spencer-Wells', T shaped, 9½ ins.	2 50
N-1140	Hysterectomy forceps, Pryor's, set of 6 with one pair of detachable handles, 9½ ins.	13 50
N-1140A	Angiotribe, German model, double jointed	15 00

Do not mutilate catalogue.—Specify section letter and number in ordering.

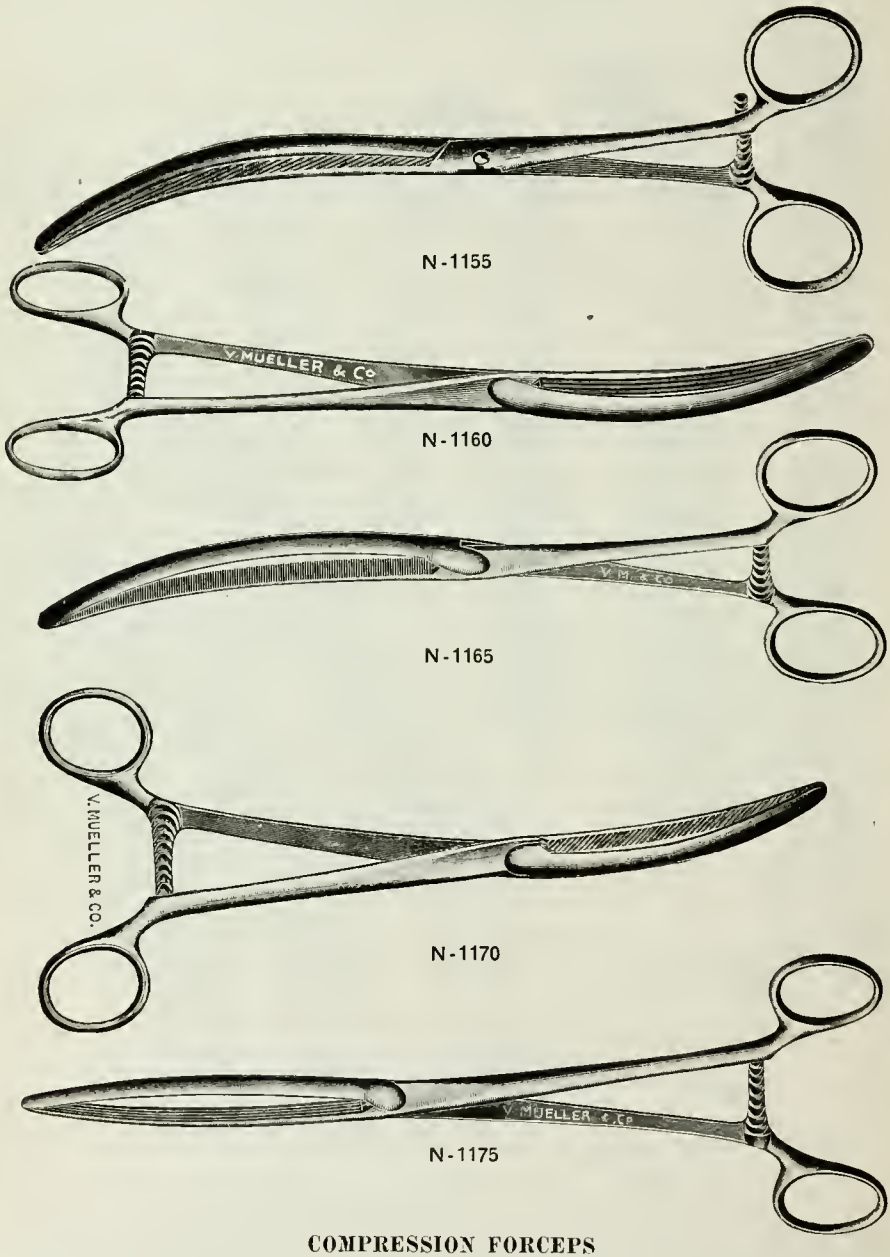


N-1145 N-1150

HYSTERECTOMY FORCEPS—Continued

N-1145	Hysterectomy forceps, Pean's, double curve, with cross or longitudinal serrations, Fig. A, 10 ins.	$3 00
N-1145	Hysterectomy forceps, Pean's, Fig. B, 8 ins.	2 50
N-1145	Hysterectomy forceps, Pean's, Fig. C, 6 ins.	2 00
N-1150	Hysterectomy forceps, Pean's, angular bent, with cross or longitudinal serrations, 10¼ ins.	2 50
N-1150	Hysterectomy forceps, Pean's, Fig. A, 8 ins.	1 75
N-1150	Hysterectomy forceps, Pean's, Fig. B, 6¼ ins.	1 35

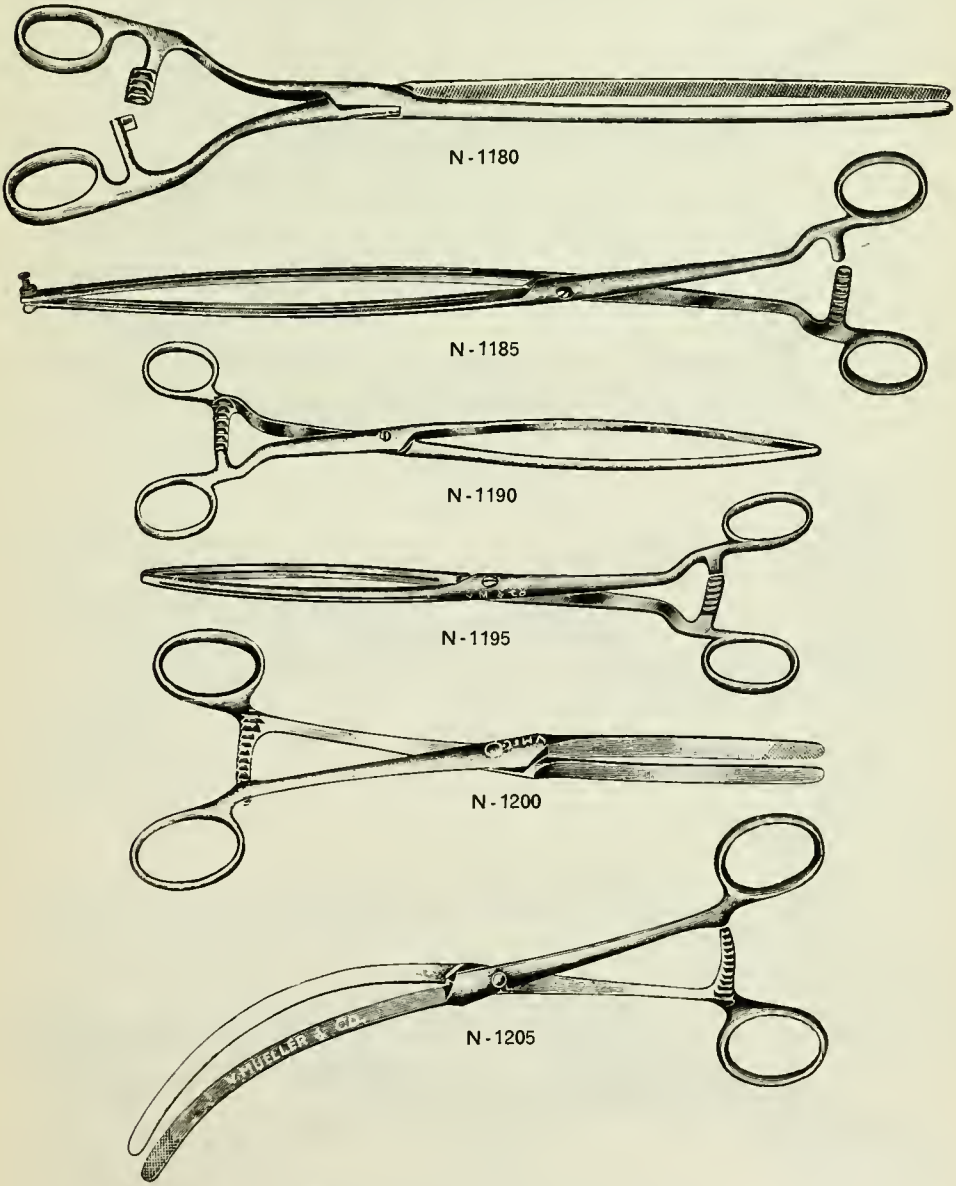
Do not mutilate catalogue.—Specify section letter and number in ordering.



COMPRESSION FORCEPS

N-1155	Stomach clamp, Doyen's, 8¾ ins., screw or slide lock	$2 25
N-1160	Stomach clamp, Collin's, longitudinal serrations, 9 ins., screw or slide lock	2 50
N-1165	Stomach clamp, Collin's, cross serrations, 9 ins., screw or slide lock	2 50
N-1170	Compression clamp, Wright's, 8½ ins., curved	2 50
N-1175	Compression clamp, Wright's, 8½ ins., straight	2 25

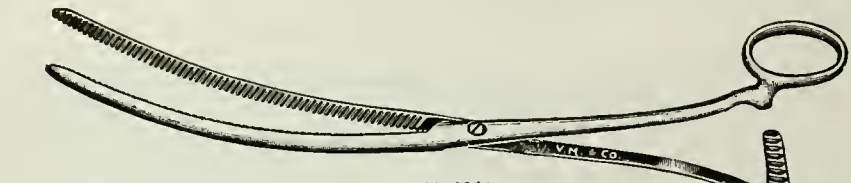
Do not mutilate catalogue.—Specify section letter and number in ordering.



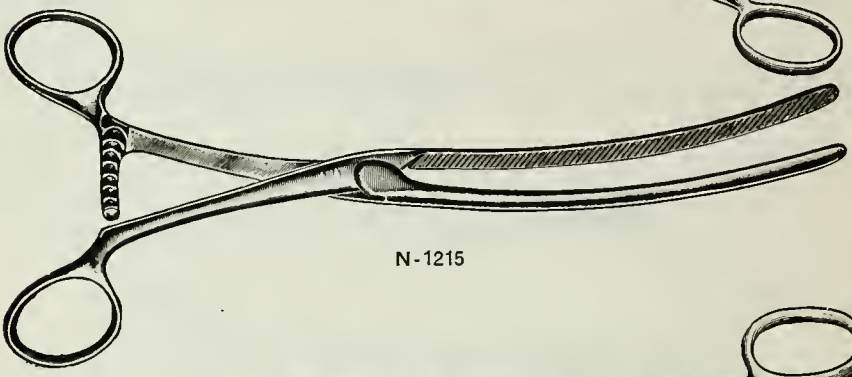
STOMACH AND INTESTINAL CLAMPS

N-1180	Stomach clamp, Scudder's, original model, 12 ins.	$5 00
N-1185	Stomach clamp, Scudder's, improved model, 12 ins., straight $5 50, curved	6 00
N-1190	Stomach clamp, Scudder's, original model, 9½ ins.	3 50
N-1195	Stomach clamp, Scudder's, improved model, 9½ ins, fenestrated	4 00
N-1200	Intestinal clamp, Navaro's, very flexible, 7½ ins., straight	2 50
N-1205	Intestinal clamp, Navaro's, very flexible, 7½ ins., curved	2 75

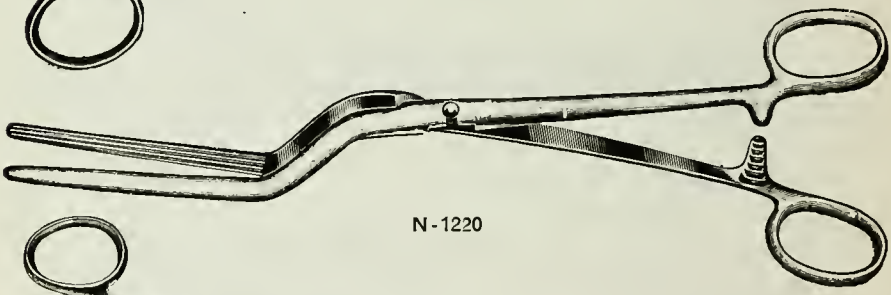
Do not mutilate catalogue.—Specify section letter and number in ordering.



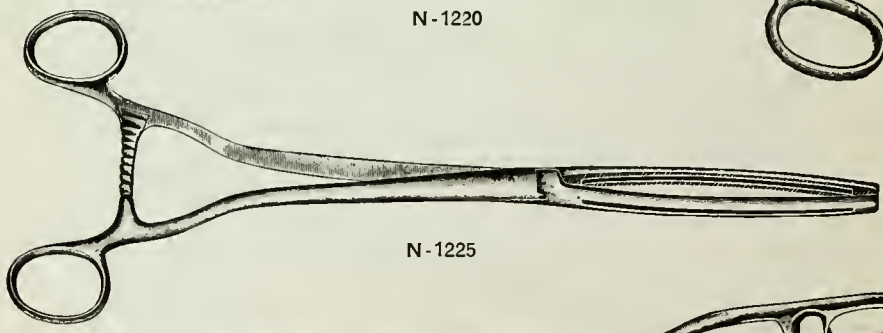
N-1210



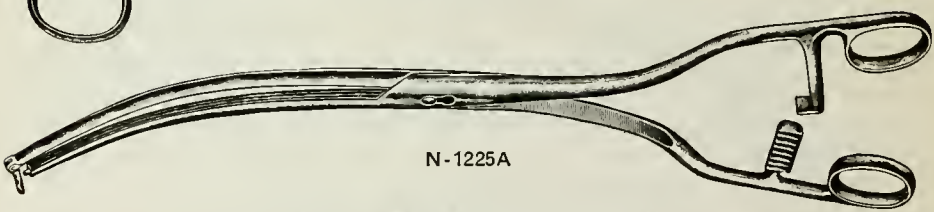
N-1215



N-1220



N-1225

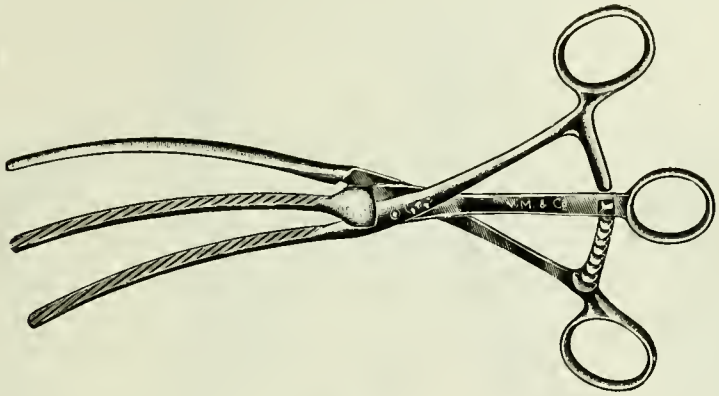


N-1225A

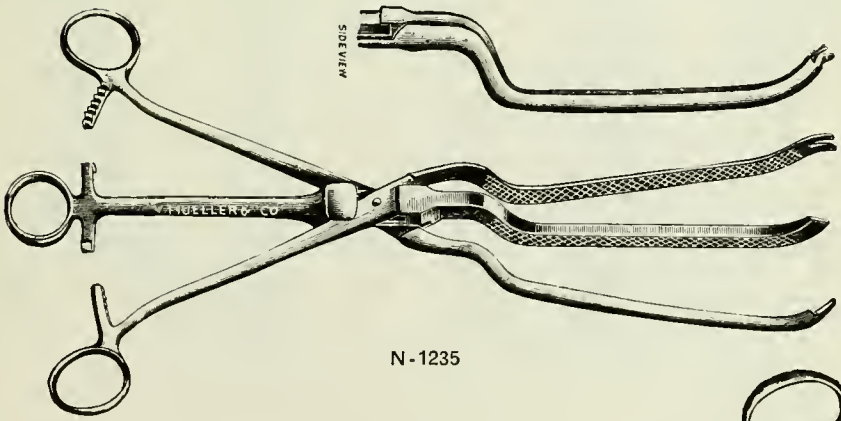
STOMACH AND INTESTINAL CLAMPS

N-1210	Stomach clamp, Mayo-Robson's, cross serrations, curved, 8 ins.	$3 00
N-1215	Stomach clamp, Doyen's, curved on flat, light, transverse serrations, 8 ins.	2 50
N-1220	Stomach clamp, Brenner's, longitudinal serrations, bayonet shape, 11 ins.	3 00
N-1225	Stomach clamp, Moynihan's, straight fenestrated, 11 ins.	3 25
N-1225A	Stomach clamp, Kocher's, curved for resection, longitudinal serrations, 14 ins.	5 50

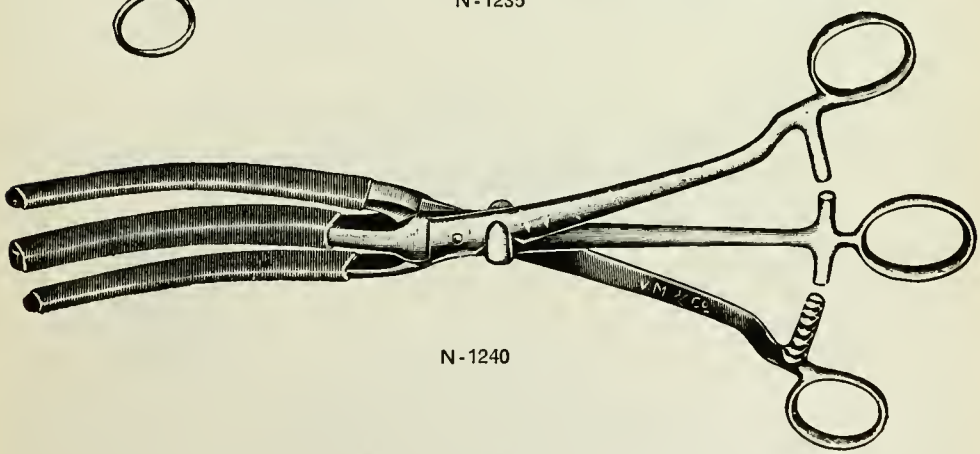
Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1230



N-1235

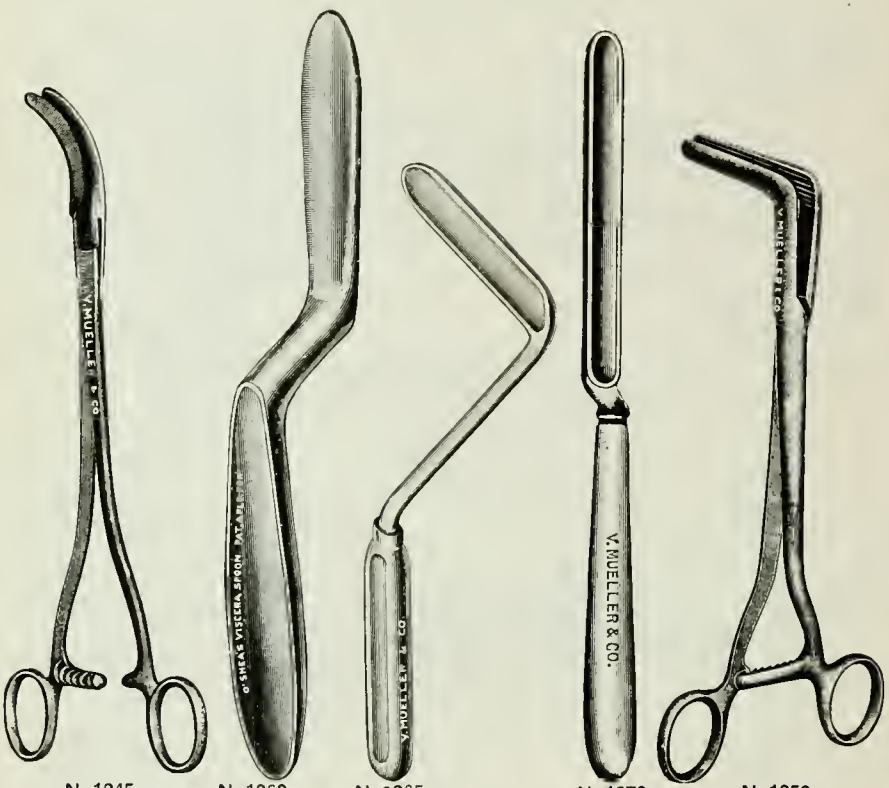


N-1240

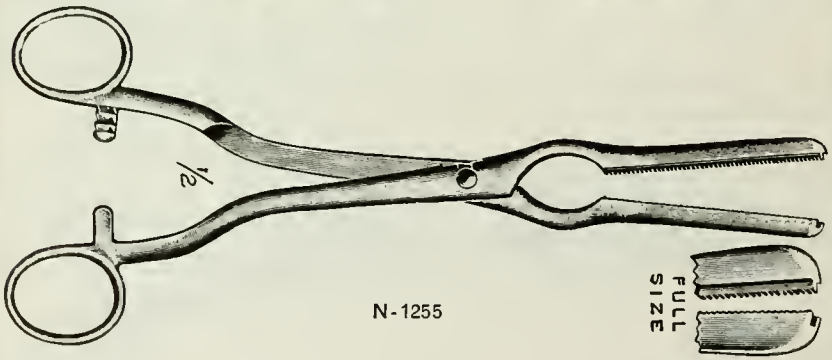
STOMACH CLAMPS—Continued

N-1230 Stomach clamp, Linhardt's, three bladed, very flexible, transverse serrations, 14 ins. $10 00
N-1235 Stomach clamp, Lynn-Thomas', three bladed, double curve, 14 ins. 13 50
N-1240 Stomach clamp, Roosevelt's, three bladed, 12½ ins. 12 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1245 N-1260 N-1265 N-1270 N-1250



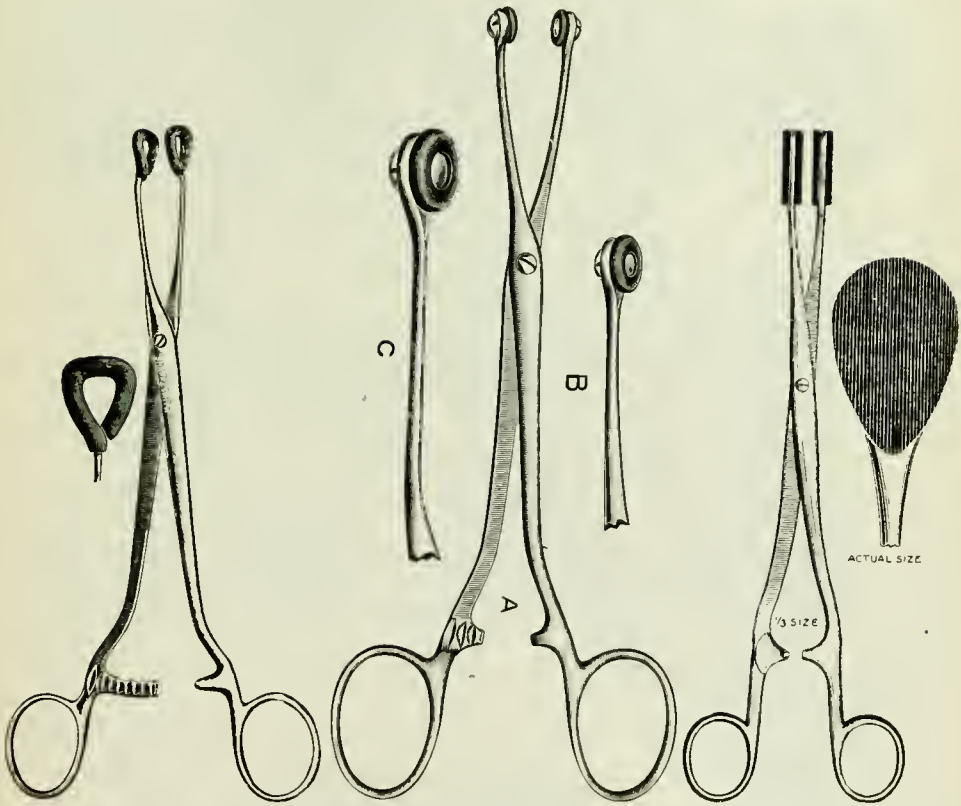
N-1255

CLAMPS, SPOONS AND TUCKERS

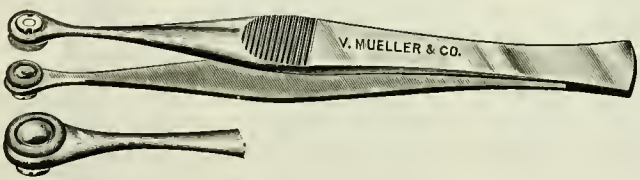
N-1245	Hysterectomy clamp, Wertheim's, curved, 10¼ ins.	$3 50
N-1250	Hysterectomy clamp, Wertheim's, angular bent, 10¼ ins.	3 50
N-1255	Hysterectomy, appendectomy and pile clamp, Crile's, 8½ ins.	2 75
N-1260	Viscera spoon, O'Shea's, flexible	1 50
N-1265	Peritoneal dissector and depressor	2 00
N-1270	Abdominal spoon, Beck's	1 50
N-1275	Appendix tucker, Barrett's	50
N-1280	Appendix tucker, Boldt-Mayo's	50

N-1275 N-1280

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1285 N-1300 N-1290

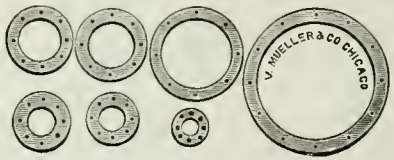


N-1295

INTESTINAL FORCEPS

N-1285 Intestinal forceps, rubber jawed Schoenberg's..... $3 00
N-1290 Traction forceps, child's, with rubber jaws, 9¾ ins..... 2 25
N-1295 Intestinal forceps, Barrett-Murphy's, 6 ins..... 2 50
N-1300 Intestinal forceps, Barrett's, rubber jawed, made in two sizes, 6¼ ins., $3 00; 8¼ ins. 3 50

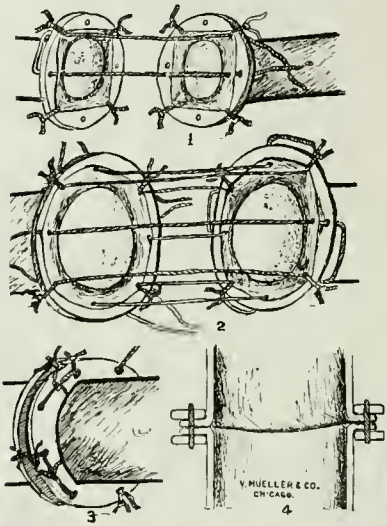
The size of rubber jaws on Fig N-1295 and N-1300, are the same. When they are worn out please return forceps to us and we will replace them with new ones at a moderate expense.



N-1305



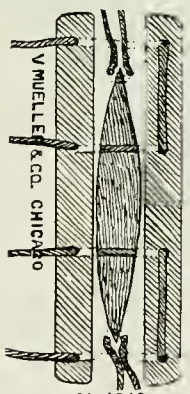
N-1315



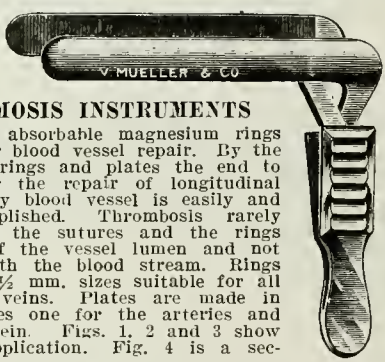
N-1305A



N-1320



N-1310



N-1330



N-1325

ANASTOMOSIS INSTRUMENTS

Lespinasse's absorbable magnesium rings and plates for blood vessel repair. By the use of these rings and plates the end to end union or the repair of longitudinal wounds in any blood vessel is easily and safely accomplished. Thrombosis rarely occurs as all the sutures and the rings are outside of the vessel lumen and not in contact with the blood stream. Rings are made in ½ mm. sizes suitable for all arteries and veins. Plates are made in two thicknesses one for the arteries and one for the vein. Figs. 1, 2 and 3 show method of application. Fig. 4 is a sectional view.

Journal American Medical Association Nov. 19th, 1910.

Surgery Gynaecology and Obstetrics May, 1911.

N-1305 Lespinasse's absorbable magnesium rings for end to end union of blood vessels.

N-1310 Lespinasse's absorbable magnesium plates for repair of longitudinal wounds in blood vessels. Prices on application.

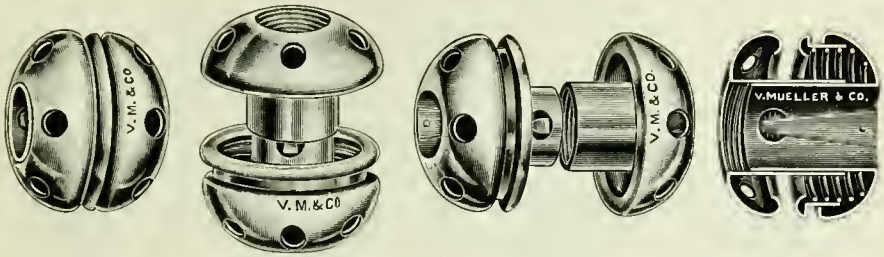
N-1315 Forceps for introducing Murphy's buttons, 8 in..... $1 75

N-1320 Scissors for anastomosis, E. W. Andrews..... 5 50

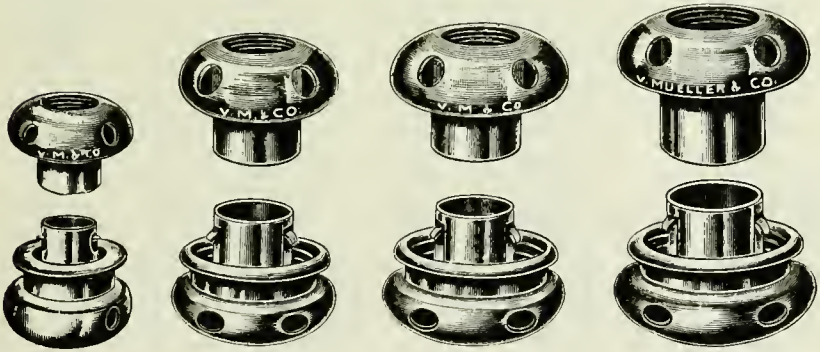
N-1325 Forceps and knife, E. W. Andrews', for the rapid and aseptic anastomosis of the hollow viscera, method of procedure described in the Journal of the A. M. A. May 16th, 1908..... 8 50

N-1330 Intestinal forceps, Murphy's..... 1 15

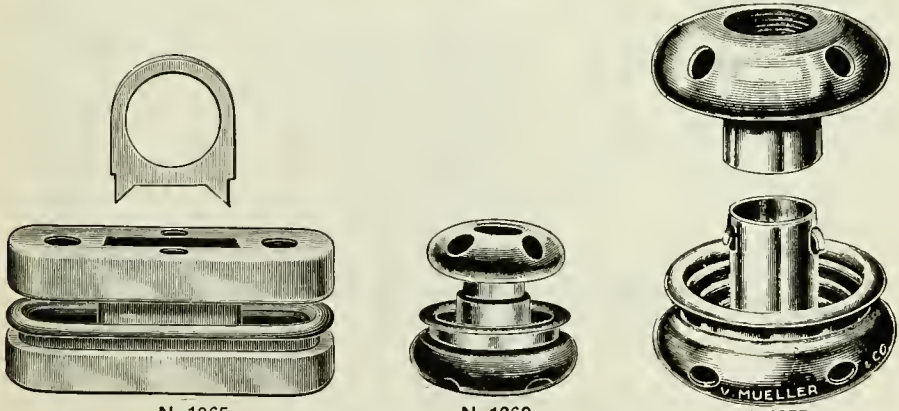
Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1345



N-1350



N-1365 N-1360 N-1355

INTESTINAL ANASTOMOSIS BUTTONS

N-1345 Illustrates the correct shape and construction of the Murphy anastomosis button. The button we manufacture has the full approval of Dr. J. B. Murphy, to whom we submitted same several times before we put it on the market.
We wish to point out especially the shape of the spring which we use in our button, it is wider at the base than at the top, thus preventing the spring from becoming weak where it is riveted to the tube.
The oval button has also been improved, the shape changed somewhat and addition holes for drainage have been added on each side.

N-1350	Murphy's anastomosis button, four sizes, each	$1 50
N-1355	Murphy's anastomosis button, extra large size	2 50
N-1360	Murphy's special gastro-enterostomy button	2 50
N-1365	Murphy's oblong anastomosis button	4 50

Illustrations show full sizes of buttons.

Do not mutilate catalogue.—Specify section letter and number in ordering.



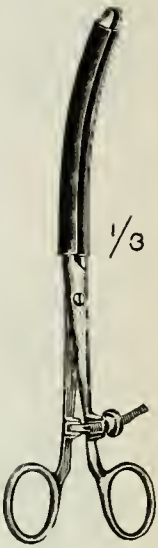
N-1370



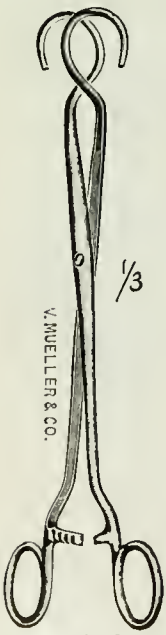
N-1375



N-1380



N-1385



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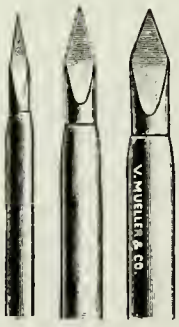


O-1370A

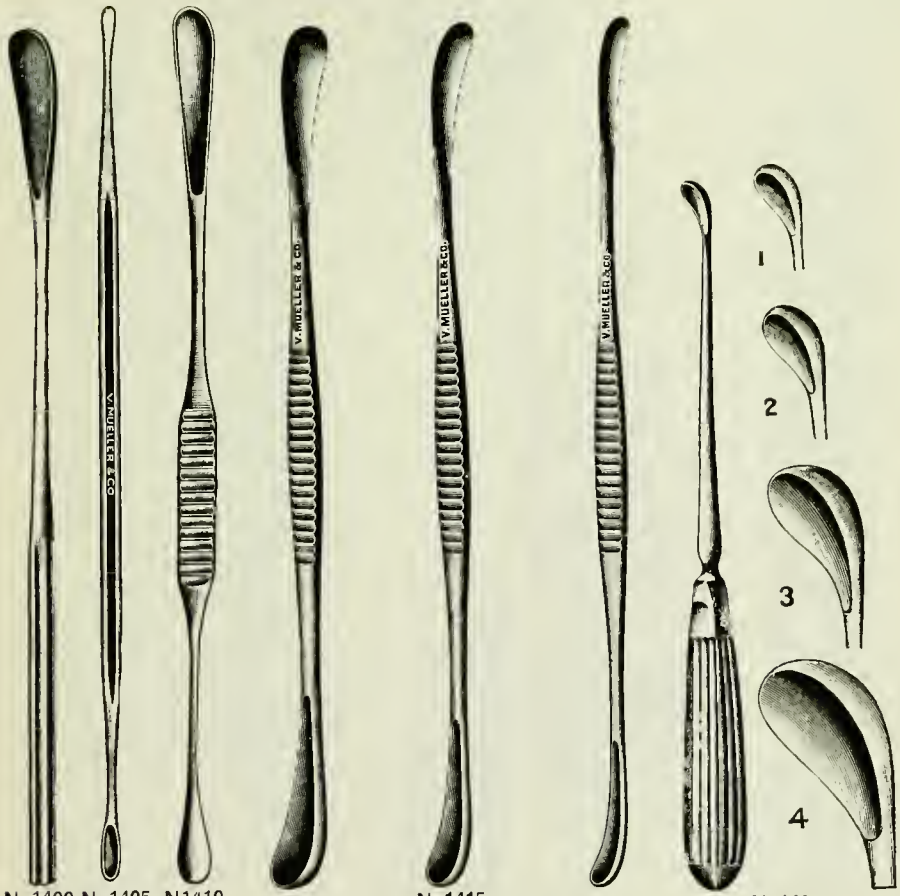


N-1395

INTESTINAL AND GALL BLADDER INSTRUMENTS

N-1370	and N-1370A, gall bladder trocar, Ochsner's, made in three sizes, 1, 2 and 3, each	$1 50
	Please order by number 1, 2 or 3.	
N-1375	Gall bladder forceps, Murphy's	3 50
N-1380	Gall stone forceps, Black's	2 00
N-1385	Vessel clamp, Lower's	5 00
N-1390	Gall bladder forceps, Collin's	4 00
N-1395	Kidney clamp, Lower's	3 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1400 N-1405 N1410 N-1415 N-1420



N-1425



N-1430

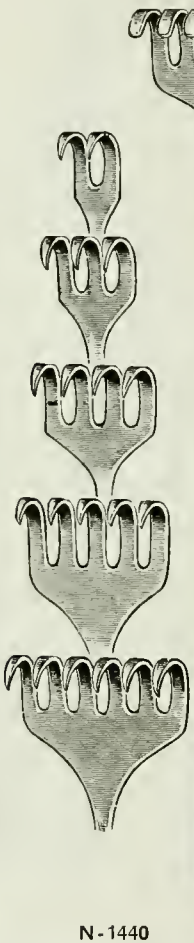
GALL STONE SCOOPS AND PROBES

N-1400	Gall stone scoop, Mayo-Robson's, 9½ ins	$1 75
N-1405	Gall stone probe, director and scoop, Ferguson's, made of block tin, 13½ ins	1 00
N-1410	Gall stone scoop, Mayo's, double ended, 11¼ ins	1 75
N-1415	Gall stone scoops, Ferguson's, six sizes, two sizes on each instrument, latest improved model, each	1 50
N-1420	Gall stone scoops, Luer-Koerte's, four sizes, each	2 00
N-1425	Gall bladder spoon, Moore's	3 00
N-1430	Gall stone probe, Faenger's, spiral, flexible	1 25

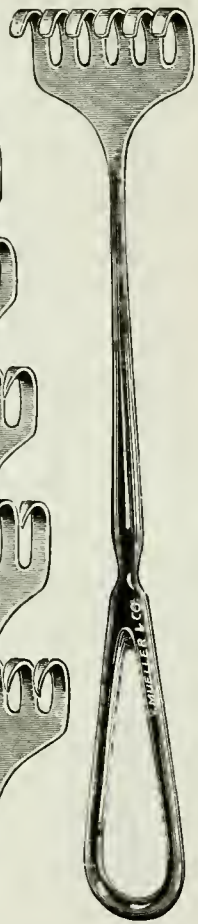
Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1435



N-1440



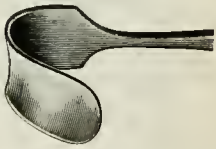
N-1445



N-1450



N-1455

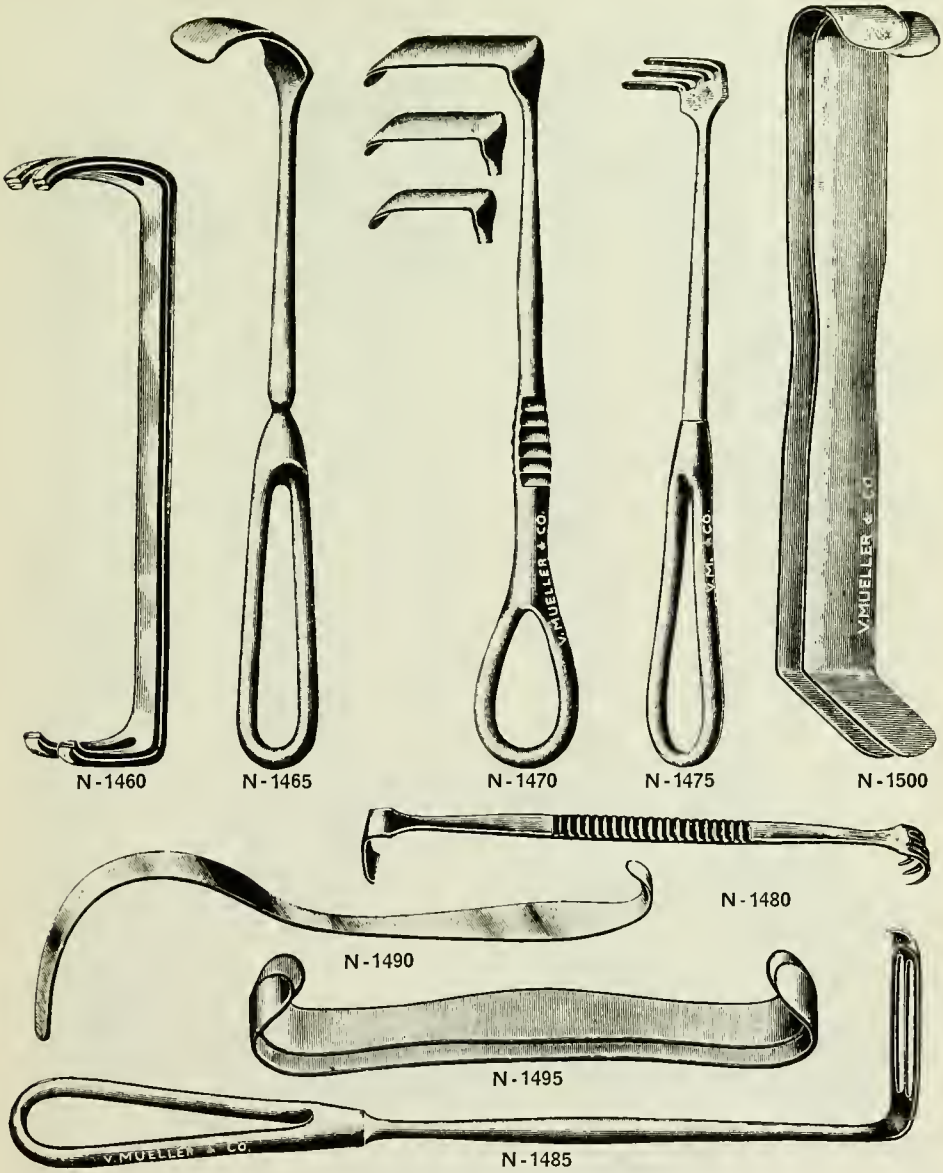


N-1455A

RETRACTORS

N-1435 Retractors, sharp and blunt, made of steel, 9 ins. set of 2..... $2 25
N-1440 Retractors, Volkmann's, made of steel sharp pointed, 7½ ins., 2 prongs, each $0 90; 3 prongs, each $1 00; 4 prongs, each $1 10; 6 prongs, each..... 1 35
N-1445 Retractors, Volkmann's, made of steel, blunt pointed, 7½ ins., 2 prongs, each $0 90; 3 prongs, each $1 00; 4 prongs, each $1 10; 6 prongs, each..... 1 35
N-1450 Retractor, Korte's, made of steel, 9 ins., 4 prongs, each $1 50; 6 prongs..... 1 75
N-1455 Retractor, Abdominal, Fritsch's, large 9½ ins., each..... 2 50
N-1455A Retractor, Abdominal, Fritsch's, small 9 ins., each..... 1 75

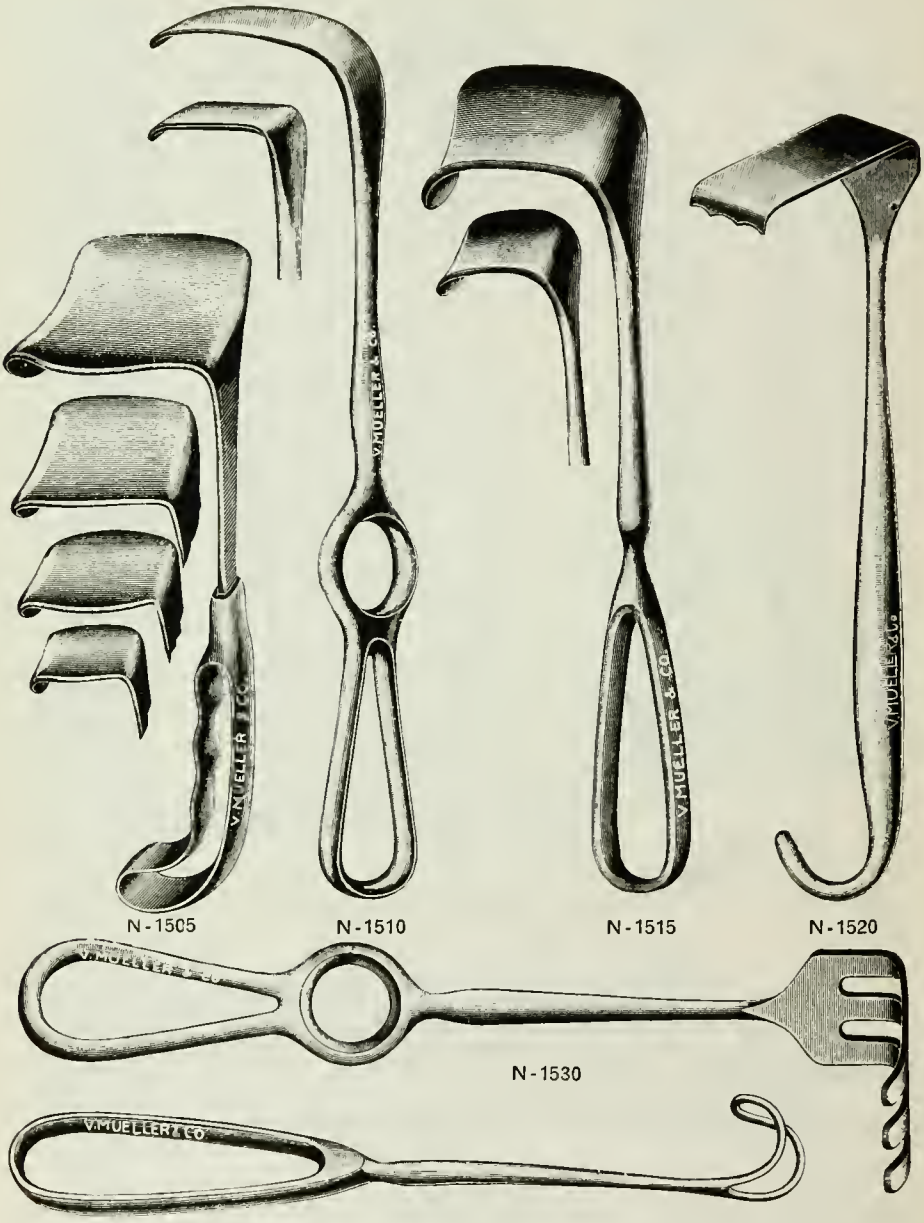
Do not mutilate catalogue.—Specify section letter and number in ordering.



RETRACTORS—Continued

N-1460	Retractors, Mayo-Collin's, made of steel, double ended, 6 ins., two in set	$1 10
N-1465	Retractor, Fraenkel's, made of steel, 8 ins.	1 15
N-1470	Retractors, Langenbeck's, made of steel, 7½ ins., three sizes, blades 1¼, 1⅜, 1⅝ ins. long, each	1 25
N-1475	Retractor, Billroth's, made of steel, angular bent, 7¼ ins.	1 15
N-1480	Retractor, Senn's, double ended, made of brass, nickel plated, 5 ins., pair	35
N-1485	Retractor, Simon's, made of steel, 9 ins.	1 75
N-1490	Retractor Devar's, made of steel, per pair	1 25
N-1495	Retractors, Parker's, made of brass, nickel plated, pair	50
N-1500	Retractors, Byford's, made of brass, nickel plated, 6¾ ins., pair	75

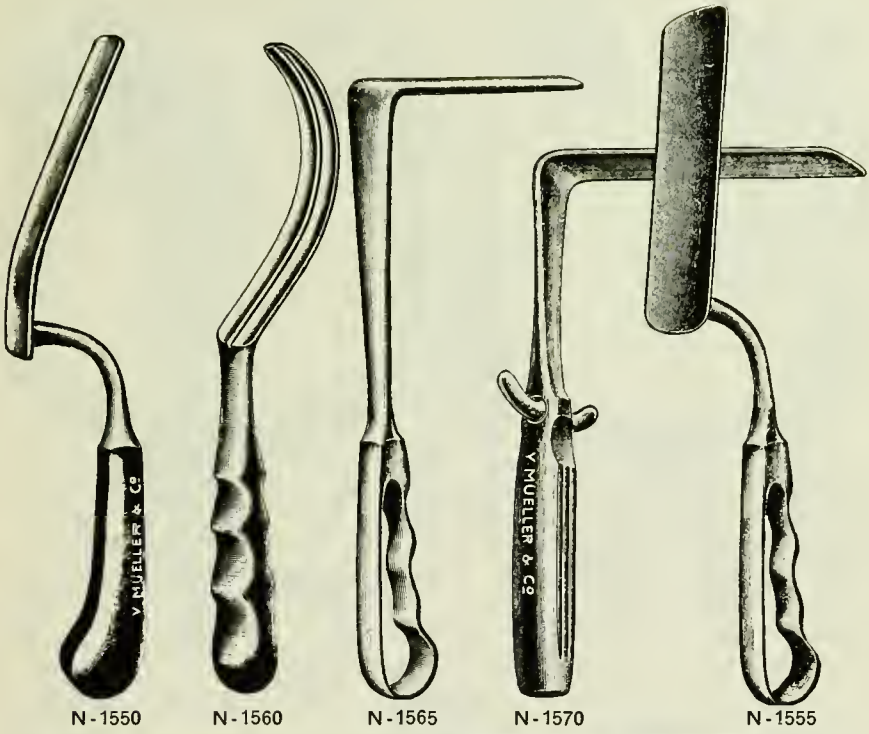
Do not mutilate catalogue.—Specify section letter and number in ordering.



RETRACTORS—Continued

N-1505	Retractors, Kelly's, made of wrought metal, 9 ins., each blade 1½ in. wide, $1 50; 2 ins., $1 60; 2½ ins. and 3½ ins.	$1 75
N-1510	Retractors, Langenbeck's, two sizes, 8½ and 9 inches, made of steel, each	1 40
N-1515	Retractors, Richardson's, 8 ins., two sizes, large $1 00; small	90
N-1520	Retractor, Lange's, made of steel, two sizes, large, 9 ins., $1 50; small, 8 ins.	1 35
N-1525	Retractor, Greene's, fenestrated, 8½ ins.	1 25
N-1530	Retractor, Israel's, 9½ ins., made of steel, three prongs, $2 00; five prongs	2 50

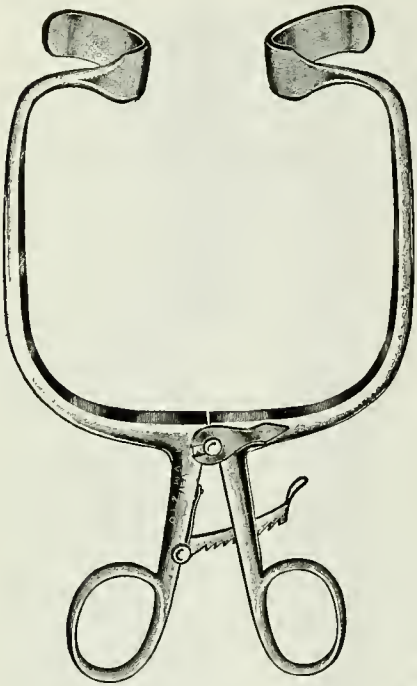
Do not mutilate catalogue.—Specify section letter and number in ordering.



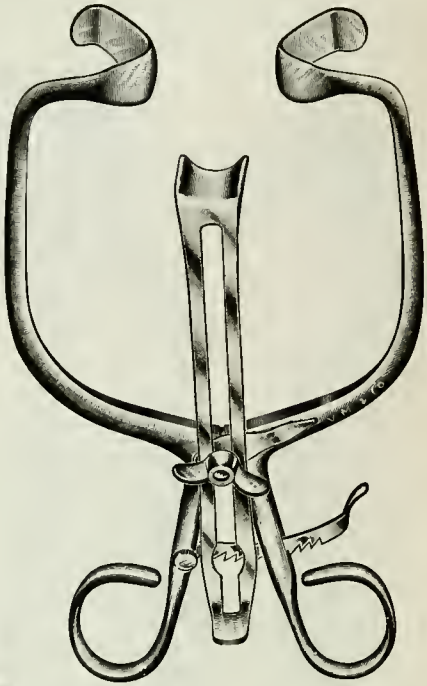
RETRACTORS—Continued

N-1535	Retractor, Richardson's, made of wrought metal, blade 2x¾ ins.	$1 65
N-1535A	Retractor, Richardson's, appendectomy, three sizes, 1⅛x¾, 1⅜x1⅛, 1¾x1½, each..	1 65
N-1540	Retractor, Kelly's, pronged, made of wrought metal, 4 sizes, length of blades, 1½, 2, 2½ and 3½ ins., each	2 00
N-1545	Retractor, Doyen's, thin steel blade, each	3 25
N-1550	Retractor, Pryor's, trowel, curved, 10½ lns	2 50
N-1555	Retractor, Pryor's, trowel, stralght, 10½ lns	2 50
N-1560	Retractor, Pryor's, grooved, 10½ lns	3 50
N-1565	Retractor, Pean's, 10½ ins	2 25
N-1570	Retractor, Segond's	3 50

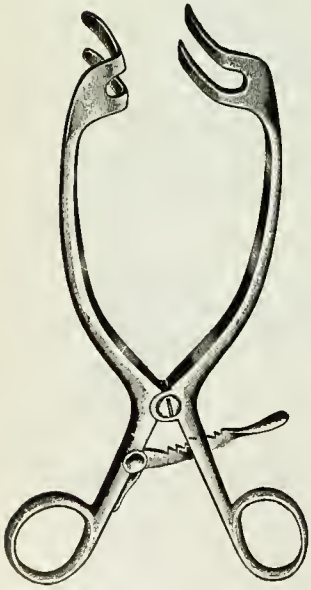
Do not mutilate catalogue.—Specify section letter and number in ordering.



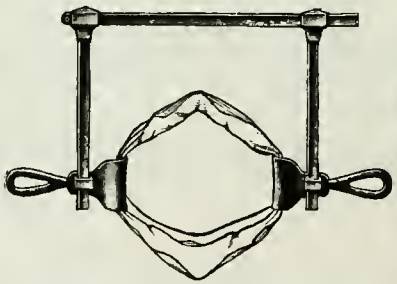
N-1595



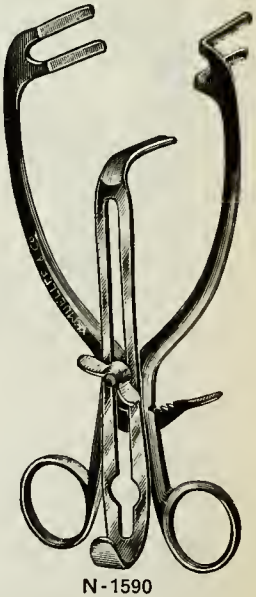
N-1600



N-1585



N-1575



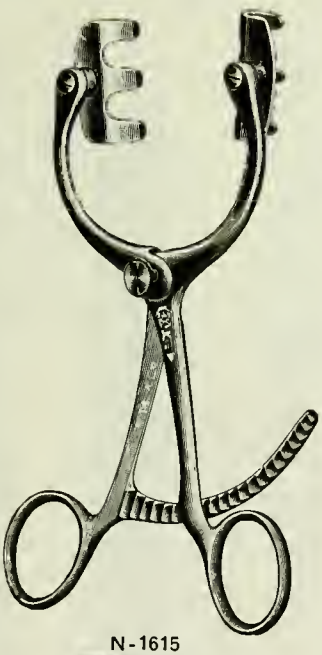
N-1590

RETRACTORS—Continued

N-1575	Retractor, automatic, abdominal Bevan's, especially suitable where it is necessary to make large incisions. Blades are removable and can be used as individual retractors	$10 00
N-1585	Retractor, Mayo's, appendectomy, 6¾ ins	4 50
N-1590	Retractor, Mayo-Collin's, appendectomy three bladed, 7¼ ins	5 50
N-1595	Retractor, Mayo-Simpson's, abdominal, large 10 ins	6 00
N-1600	Retractor, Mayo-Collin's, abdominal, large, three bladed, 11 ins.	8 00



N-1605



N-1615



N-1610

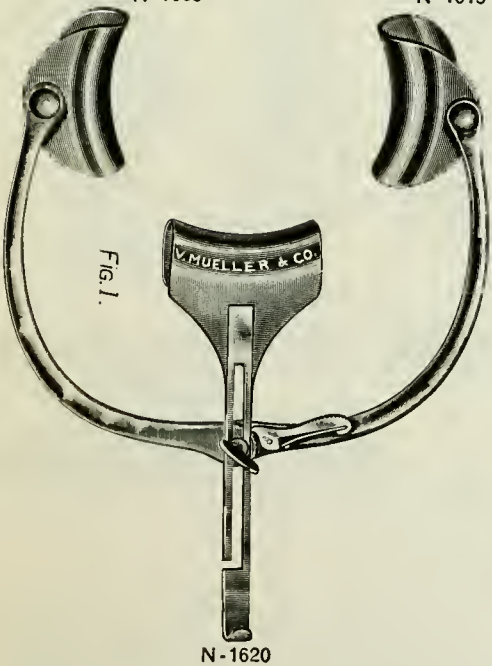
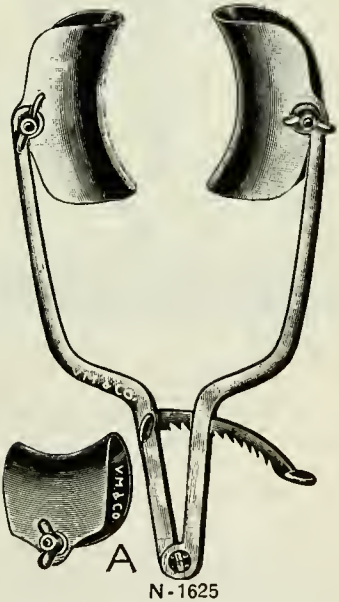


Fig. 1.

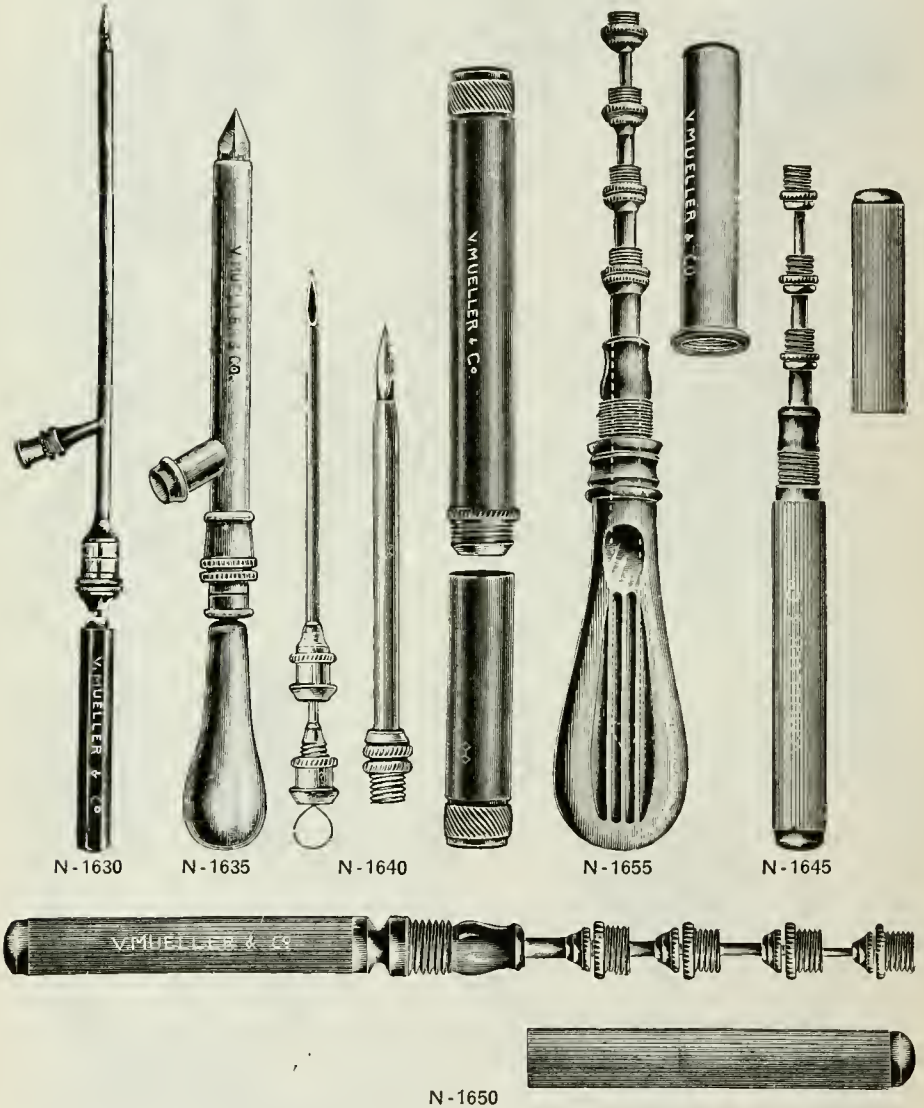
N-1620



N-1625

RETRACTORS—Continued

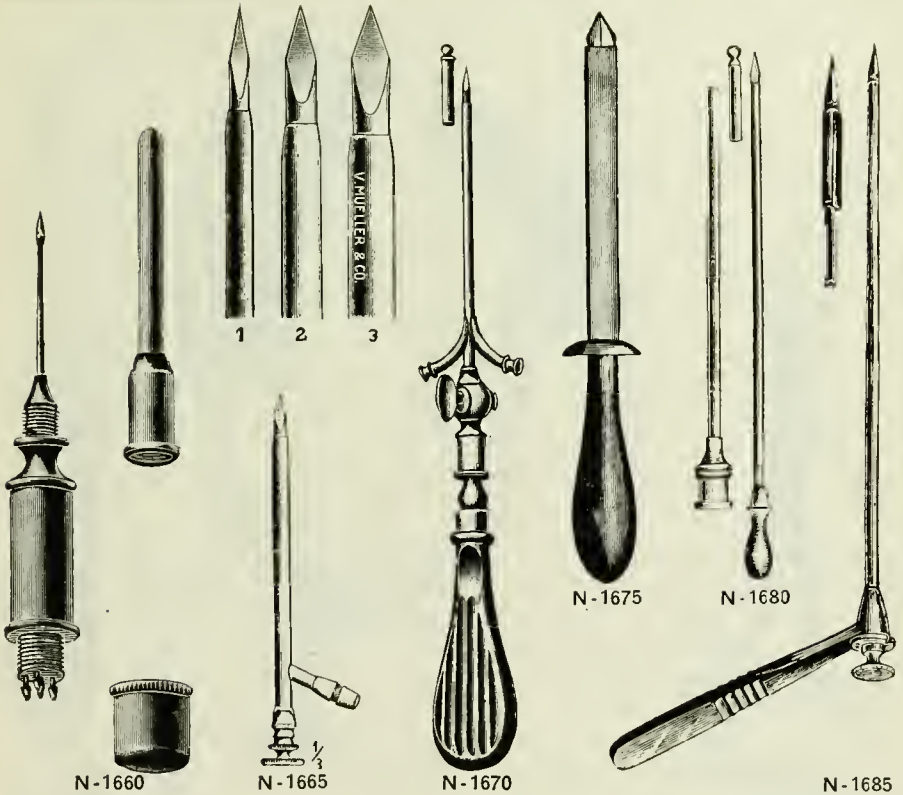
N-1605	Retractor, Collin's, abdominal, can be furnished with blades 2⅛ Ins. wide or 3¼ ins. wide, each	$9 50
N-1610	Retractor, Collin's, abdominal, three bladed, each	11 00
N-1615	Retractor, V. Mueller & Co.'s, fenestrated blades	9 50
N-1620	Retractor, Webster's abdominal, made with two sets of blades, large and small, with one set of blades $10 00, with two sets of blades	13 50
N-1625	Retractor, Sturmdorf's, abdominal, with two sets of blades	12 00

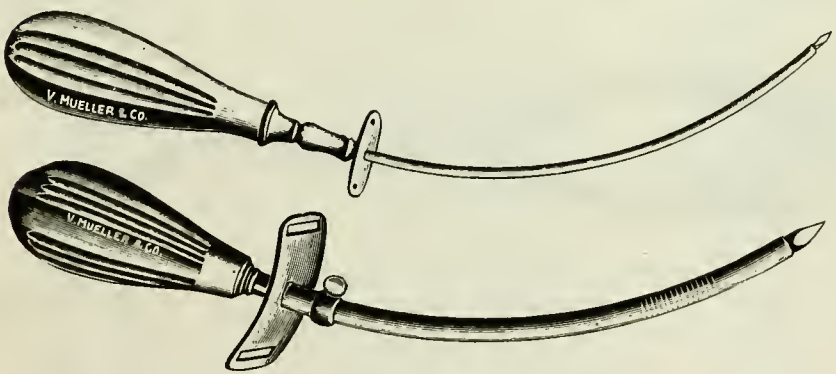


TROCARS

N-1630	Trocar, Emmett's, small	$2 00
N-1635	Trocar, Emmett's, large, ovarian	2 50
N-1640	Trocar, Fowler's, pocket, with salt infusion needles	1 35
N-1645	Trocar, telescopic, three in set	2 00
N-1650	Trocar, telescopic, four in set	2 50
N-1655	Trocar, telescopic, four in set, with flat handle	2 75

Do not mutilate catalogue.—Specify section letter and number in ordering.





N-1690

TROCARS—Continued

N-1660	Trocar, anasarca, Southey's, set	$3 00
N-1665	Trocar, Ochsner's, gall bladder, made in three sizes, please order by number, 1, 2 or 3, 5¾ ins., each	1 50
N-1670	Trocar, thoracic, 7½ ins	4 50
N-1675	Trocar, thoracic, for introducing drainage tubes	1 50
N-1680	Trocar, Belfield's, vesical	1 00
N-1685	Trocar, Guiteras', perineal	2 00
N-1690	Trocar, Deneffe's, vesical	5 00

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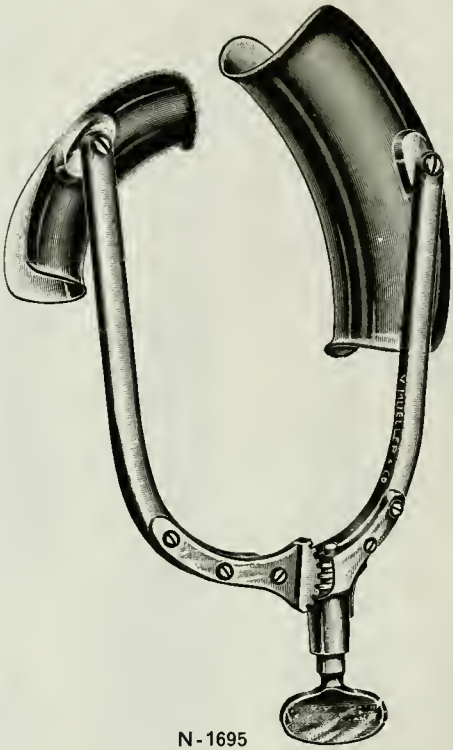
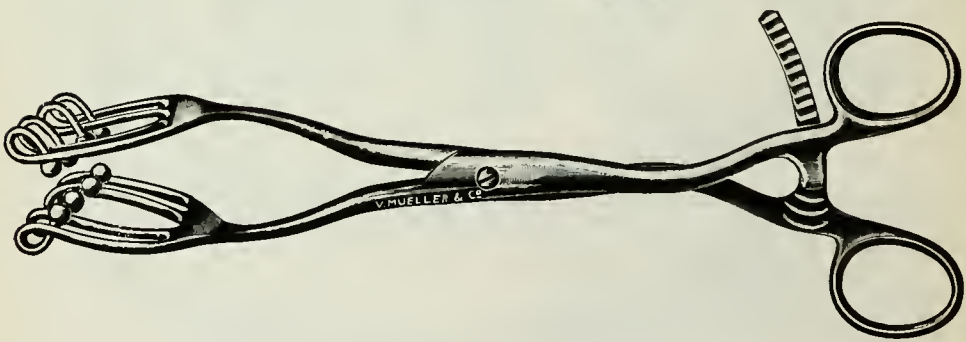
N-1705



N-1695



N-1700



N-1710

INSTRUMENTS FOR SURGERY OF THE LUNG

N-1695 Rib retractor, Friederich's, modified by Ferguson.....$16 50
N-1700 Rib elevator, Friederich's 1 75
N-1705 Forceps, Friederich's, for holding broncheal tube out of field of operation..... 5 75
N-1710 Forceps, Friederich's, ball pointed, for grasping the lung..... 9 00

Upon application we shall be pleased to furnish information and illustrations of apparatus used for thoracic surgery, designed by Prof. Dr. Sauerbruch of Germany, modified and improved by Dr. W. Meyer of New York.

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1715



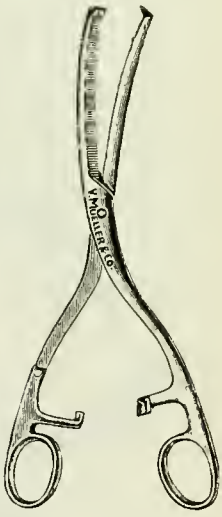
N-1735



N-1720



N-1740



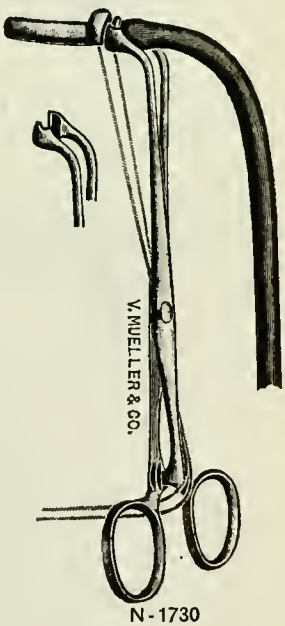
N-1720A



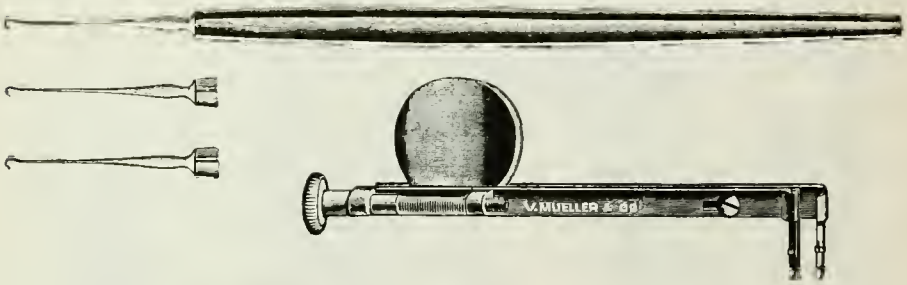
N-1725

GOITRE INSTRUMENTS

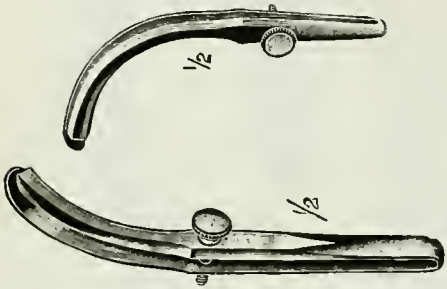
N-1715	Gland forceps, Kocher's	$5 00
N-1720	Goitre clamp, Kocher's	5 50
N-1720A	Kocher's compression clamp, curved sideways	4 50
N-1725	Goitre grasping forceps, A. H. Ferguson's, also suitable for gynaecological work	6 75
N-1730	Doyen's intubation tube, with chloroform apparatus and introducing forceps.	6 75
N-1735	Dissector for goitre, spoon shaped, Kocher's	1 25
N-1740	Dissector for goitre, with hole in end, Kocher's	1 00
N-1745	Retractors for goitre operations see Fig. N-1440, N-1445 and N-1470.	
N-1745A	Tumor screw for goitre, Doyen's, see Fig. N-5760	1 50



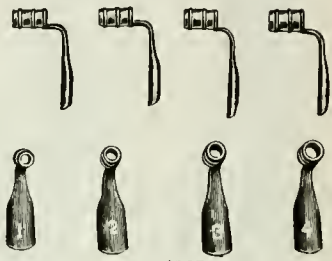
N-1730



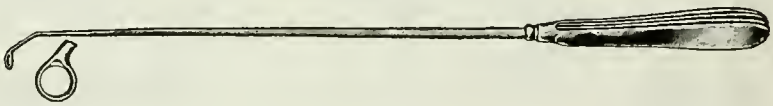
N-1750



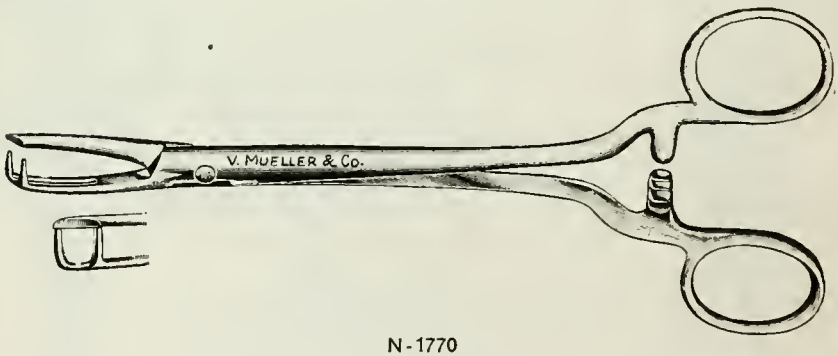
N-1760



N-1765



N-1755

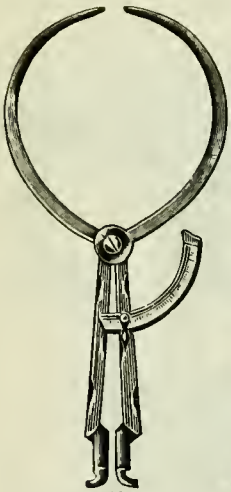


N-1770

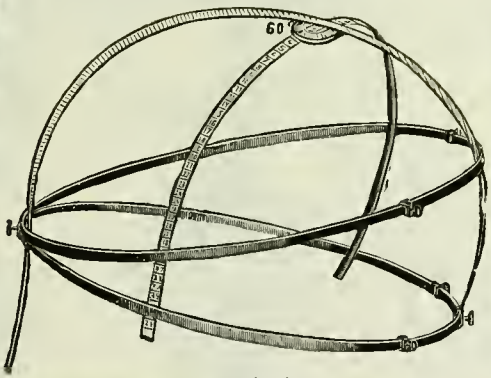
BLOOD TRANSFUSION INSTRUMENTS, ETC.

N-1750 Canula for direct transfusion of blood, Elsberg's, with three fine hooks, in case..$10 00
Send for descriptive circular.
N-1755 Set of canulas, Crile's, for blood transfusion, four sizes in case..... 3 00
N-1755A Glass tubes for blood transfusion, Brewer's, (not illustrated) set of four..... 1 85
N-1760 Clamps, Crile's, each..... 1 00
For other sizes and shapes, see Fig. N-925, N-925A, and N-945.
N-1765 Vein stripper, Mayo's, made in three sizes, each..... 1 50
N-1770 Vein stripping forceps, Mayo's..... 1 50

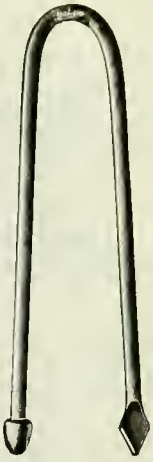
Do not mutilate catalogue.—Specify section letter and number in ordering.



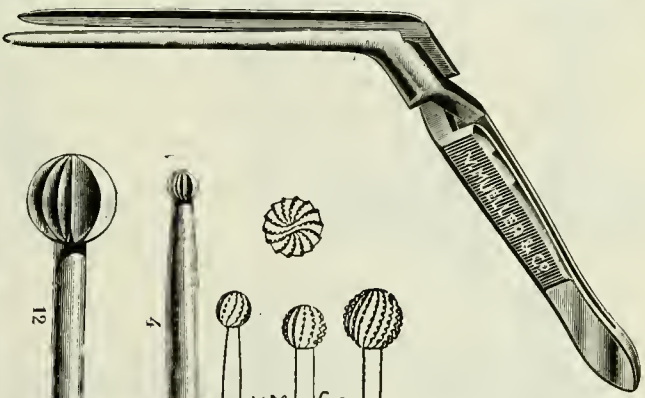
N-1775



N-1780



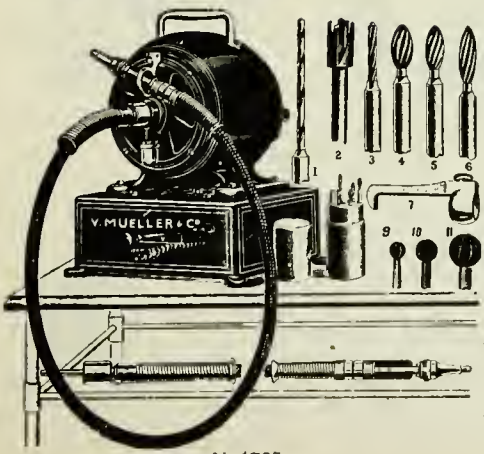
N-1785



N-1800

N-1805

N-1790

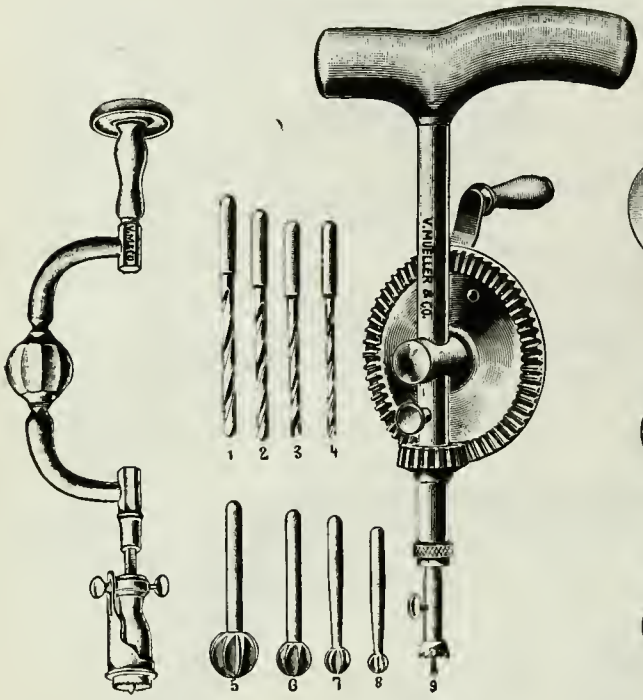


N-1795

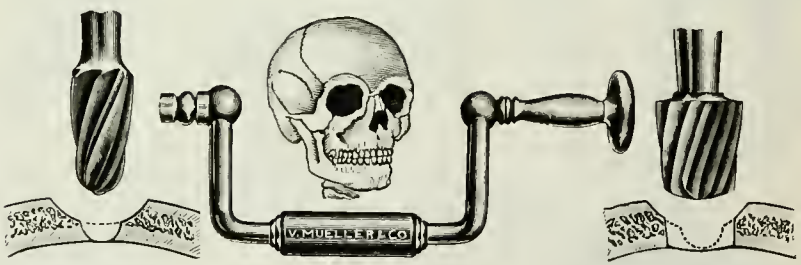
CRANIAL INSTRUMENTS AND BONE DRILLS

N-1775	Craniometer, Virchow's, latest model for children and adults	$11 00
N-1780	Craniometer, Kroenlein's, for children and adults	10 00
N-1785	Compass, Hudson's	1 00
N-1790	Brain explorer, Chevalier Jackson's	2 50
N-1795	Bone surgery engine, "Victor," 110 v. d. c., $115 00; 110 v. a. c.	125 00
	Send for circular describing bone surgery engine in detail.	
N-1800	Special burrs for use with bone surgery engine, 4 and 8 mm. each, $2 25; 12 mm., each $2 75; 16 mm., each	3 00
N-1805	Cross-cut burrs, Balances, each	2 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1810 N-1815 N-1820



N-1825

CRANIAL INSTRUMENTS AND BONE DRILLS—Continued

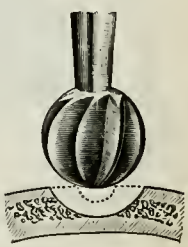


N-1810 Trephine brace, Andrews', with two crowns guarded $15 00

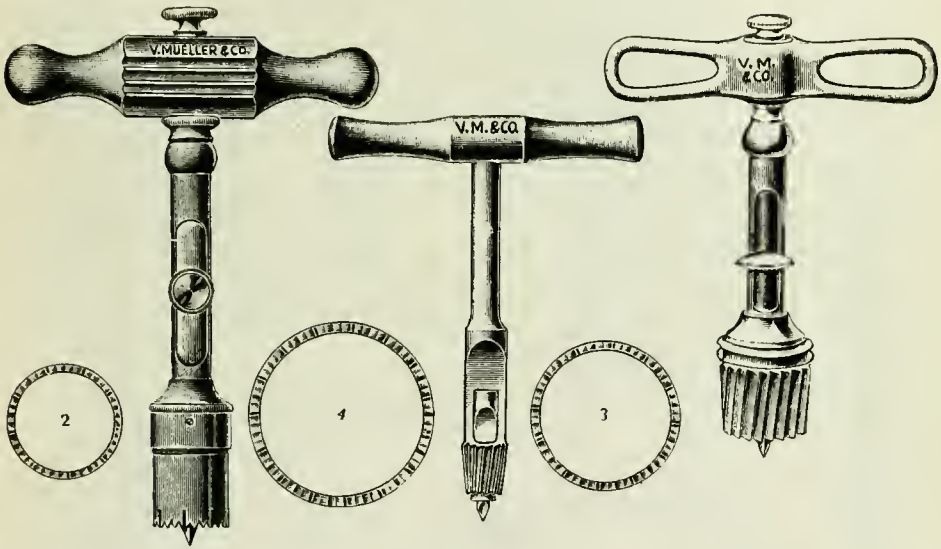
N-1815 Bone drill, Stille's, with cog wheel, complete with 9 burrs and drills..... 20 00

N-1820 Trephine brace, Doyen's, with four trepans and one drill..... 16 50

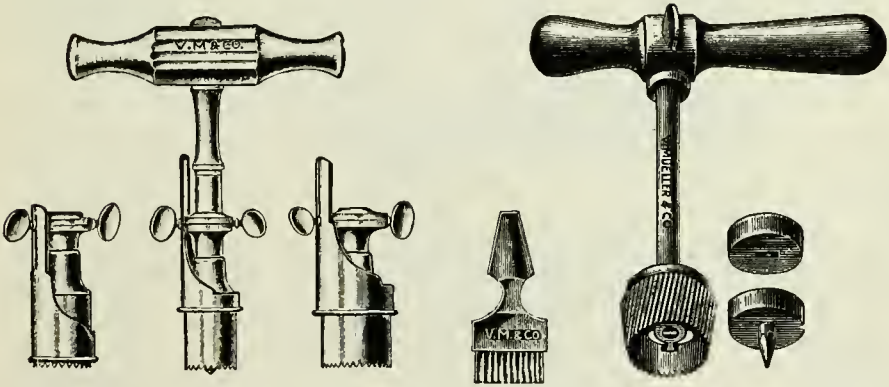
N-1825 Trephining brace, Hudson's, with four trepans. These trepans are made on an entirely new principal and are considered the safest instruments for opening the skull.
Send for circular describing instruments in detail, also price.



Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1830 N-1840 N-1825



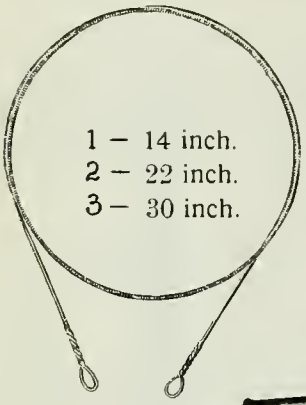
N-1845 N-1855 N-1850

TREPANNING INSTRUMENTS

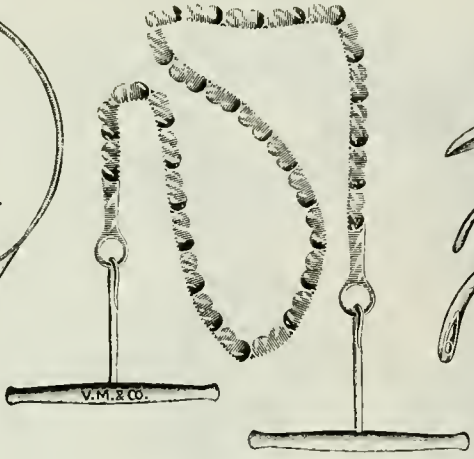
N-1830	Trephine, Galt's, latest improved, sizes 2, 3 and 4, each	$2 50
N-1835	Trephine, Galt's, regular model, sizes 2, 3 and 4, each	2 00
N-1840	Trephine, De Vilbiss', made in two sizes, each	2 00
N-1845	Trephine, crown shaped, set of three for one handle, guarded, set	12 00
N-1850	Trephine, Robert's	3 75
N-1855	Brush for cleaning trephines	50

Trephines Fig. N-1830 are supplied with the same crowns as Fig. N-1835, but the crowns are longer, have finer teeth and are very carefully made.

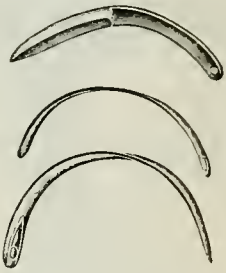
Do not mutilate catalogue.—Specify section letter and number in ordering.



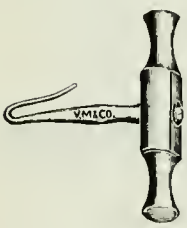
N-1870



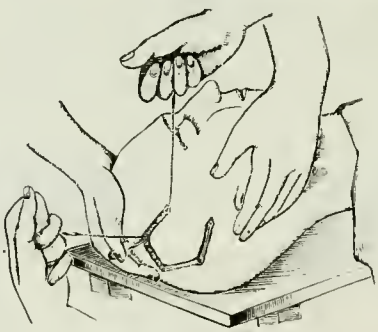
N-1860



N-1865



N-1875



N-1885A



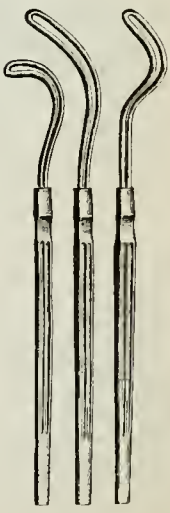
N-1880



N-1885

TREPANNING INSTRUMENTS
CHAIN SAWS, GIGLI SAWS, ETC.

N-1860	Chain saw, Jeffrey's	$6 00
N-1865	Needles, for carrying chain and wire saws, each	30
N-1870	Wire saw, Gigli's, made in three lengths, No. 1, 14 ins., $0 25; No. 2, 20 to 22 ins., $0 40; No. 3, 30 ins.	50
N-1875	Handles, for chain and wire saws, pair	1 00
N-1880	Handles, for chain and wire saws, plain, pair	60
N-1885	Conductor for Gigli's saw, in cranial work, etc., each	40
N-1885A	Illustrating method of using Gigli's wire saws in cranial work.	
N-1890	Guides, Braatz', set of three	3 75

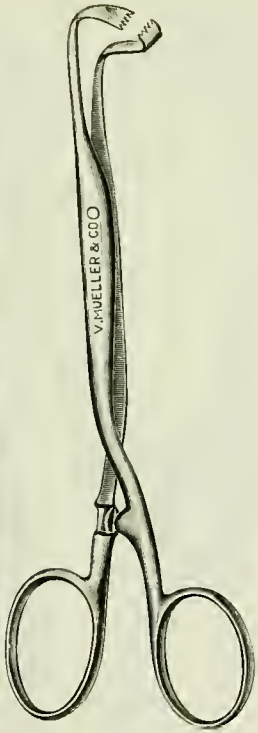


N-1890

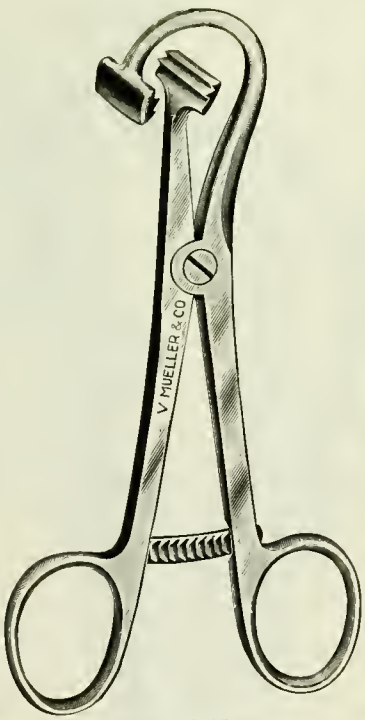
Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1895



N-1900



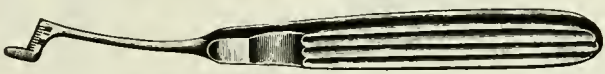
N-1905



N-1910



N-1915



N-1930



N-1925

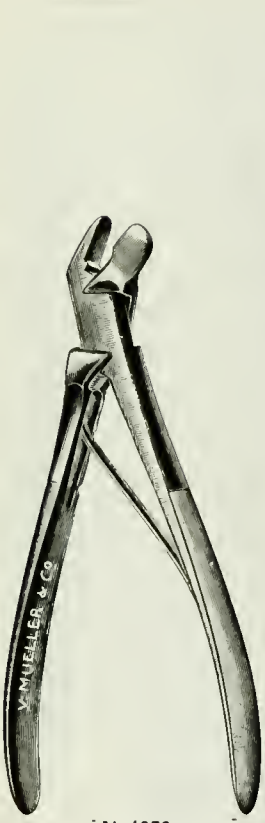


N-1920

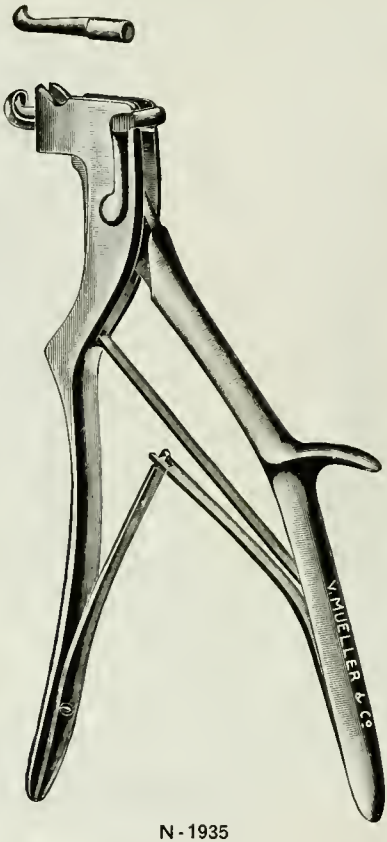
CRANIAL INSTRUMENTS

N-1895	Packer, Roger's, for checking haemorrhage in the Deploi....	$3 75
N-1900	Scalp haemostat, Roger's.....	2 25
N-1905	Scalp haemostat, Hoeve's, width of compression surface, 1 in.....	3 00
	The haemostats described have been in use for about two years, and have given great satisfaction to the operators who have used them. When these haemostats have been employed the time necessary for completing cranial operations has been considerably reduced.	
N-1910	Cranial chisel, Doyen's, guarded.....	3 25
N-1915	Cranial chisel, with guard on one side.....	2 50
N-1920	Cranial gouge, large.....	2 50
N-1925	Cranial gouge, small.....	2 50
N-1930	Mensurateur, Doyen's	2 00

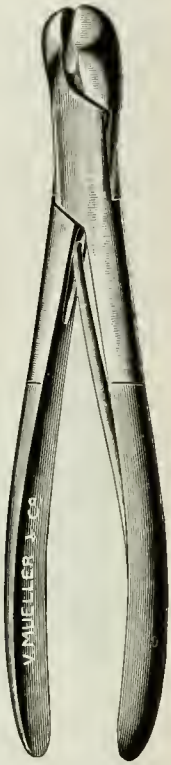
Do not mutilate catalogue.—Specify section letter and number in ordering.



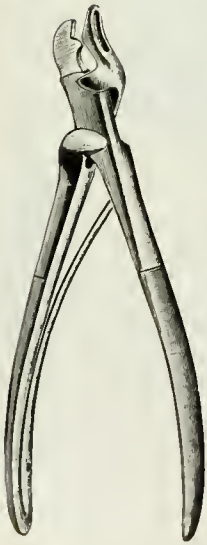
N-1950



N-1935



N-1955



N-1945

TREPANNING INSTRUMENTS

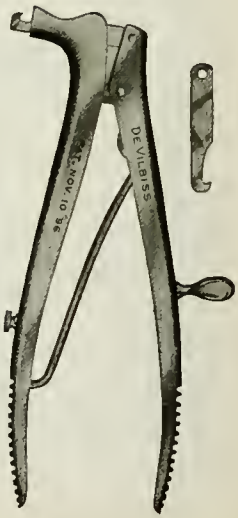
N-1935 Forceps for opening the skull, de Quervain's. The peculiar construction of this forceps enables the surgeon to cut out an osteoplastic flap sufficiently large, in a few minutes. It is provided with a Dura protector which continually hugs the bone, and the forceps does not have to be taken out and reinserted until the work is completed, 8½ ins.....$12 00

N-1940 Forceps, De Vilbiss', for opening the skull, 8 ins.... 4 50

N-1945 Forceps, Doyen's, for opening the skull, 6¾ ins..... 4 50

N-1950 Forceps, bone cutting, for skull and laminectomy, Chipault-Koyle's, 6¼ ins... 4 50

N-1955 Forceps, bone gouging, Ferguson's, powerful with mortised joint, 8 ins..... 4 75

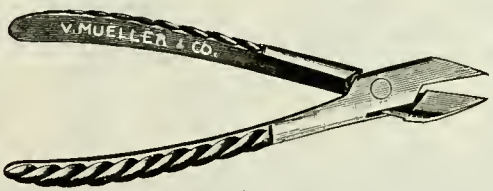


N-1940

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1965 N-1960 N-1970



N-1985



N-1975



N-1980

TREPANNING AND LAMINECTOMY INSTRUMENTS, ETC.

N-1960 Forceps for opening the skull, Hudson's, 10 ins.
Price upon application.

N-1965 Forceps, Hudson's, muscle, used in opening the skull, 12 ins. This is an entirely new instrument, it has been found very valuable in surgery of the brain..... $12 00

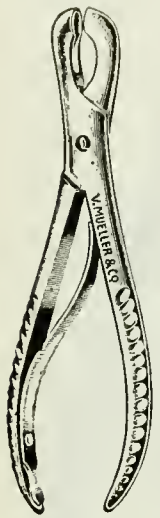
N-1970 Forceps, laminectomy, Hudson's. This forceps is constructed on entirely new lines, and will be found of the greatest assistance by the surgeon when preforming laminectomy, 12 ins. 12 00

N-1975 Forceps, bone cutting, Horsley's, crank bend, prismatic points..... 4 00

N-1980 Forceps, bone cutting, Horsley's, short crank bend, prismatic points..... 4 00

N-1985 Forceps, bone cutting, Horsley's, straight 4 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



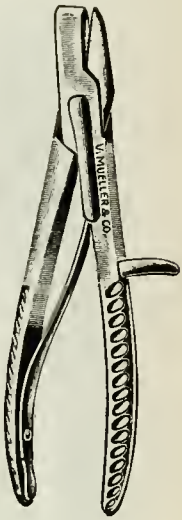
N-1990



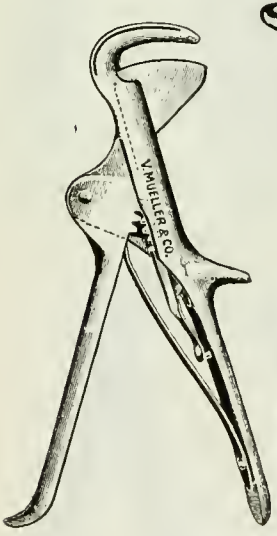
N-1995



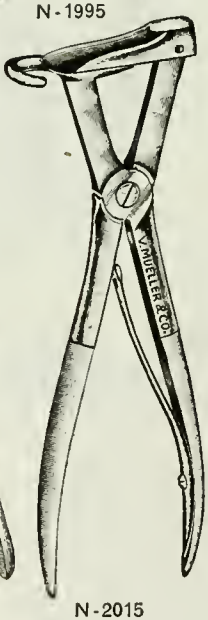
N-2000



N-2005



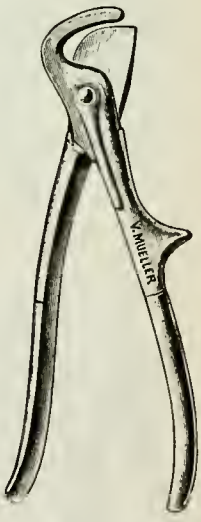
N-2010



N-2015



N-2020



N-2025

RONGUER FORCEPS AND RIB SHEARS

N-1990	Forceps, bone gouging, Luer's, straight	$3 00
N-1995	Forceps, hone gouging, Luer's, curved	3 50
N-2000	Forceps, hone gouging, Esmarch's, ¾ in. bowl, $5 00; 1 in. bowl	5 50
N-2005	Forceps, ronguer, Hoffman's, straight, $3 75; angular	4 00
N-2010	Rib shear, Borchart's. This rib shear is constructed in a very ingenious way which enables the operator to secure a great amount of power with comparatively small effort. It is highly recommended by the surgeons who have had an opportunity to use it	8 50
N-2015	Rib shear, Shoemaker's	12 00
N-2020	Rib shear, Collin's, made in two sizes, 7½ ins., $3 00; 8¼ ins.	3 50
N-2025	Rib shear, Stille's, 8½ ins.	3 50

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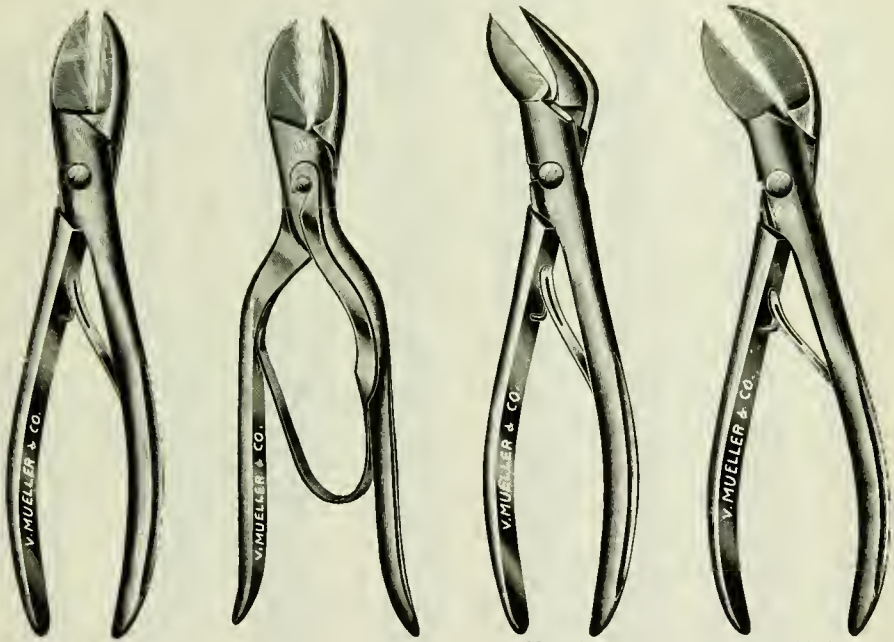
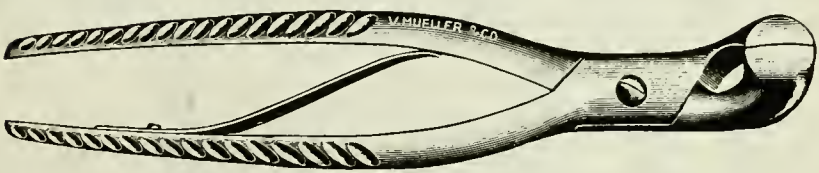
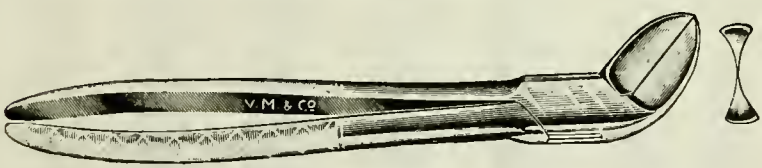


N-2030 N-2040 N-2045 N-2050



N-2055



N-2065

BONE CUTTING FORCEPS

N-2030	Forceps, bone cutting, Liston's, straight, 7½ ins., $2 50; 8½ ins.	$2 75
N-2035	Forceps, bone, Liston's, (not illustrated) straight and curved, 4½ to 6 ins. long. Extra fine quality, each $2 25 and	2 50
N-2040	Forceps, bone, Littauer's, extra heavy, 8 ins., $3 00; 9½ ins., $4 00; 11 ins.	5 00
N-2045	Forceps, bone, curved on flat, 7½ ins., $2 75; 8½ ins.	3 25
N-2050	Forceps, bone, curved sidewise, 7 ins., $2 75; 8½ ins. N-2030, N-2045 and N-2050 can be furnished with screw lock.	3 25
N-2055	Forceps, bone, maxillary, Velpeau's, 8½ ins.	3 50
N-2060	Forceps, bone, bayonet shaped, not illustrated, 9 ins.	3 50
N-2065	Forceps, bone, Mayo's, angular, extra heavy, thin cutting blades, 11 ins.	7 50

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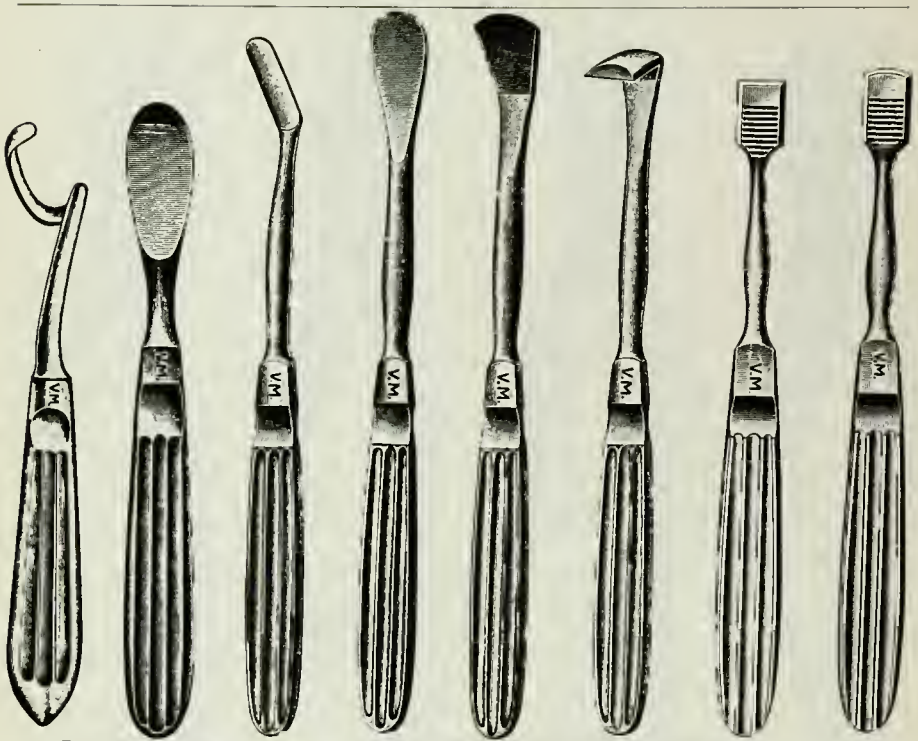
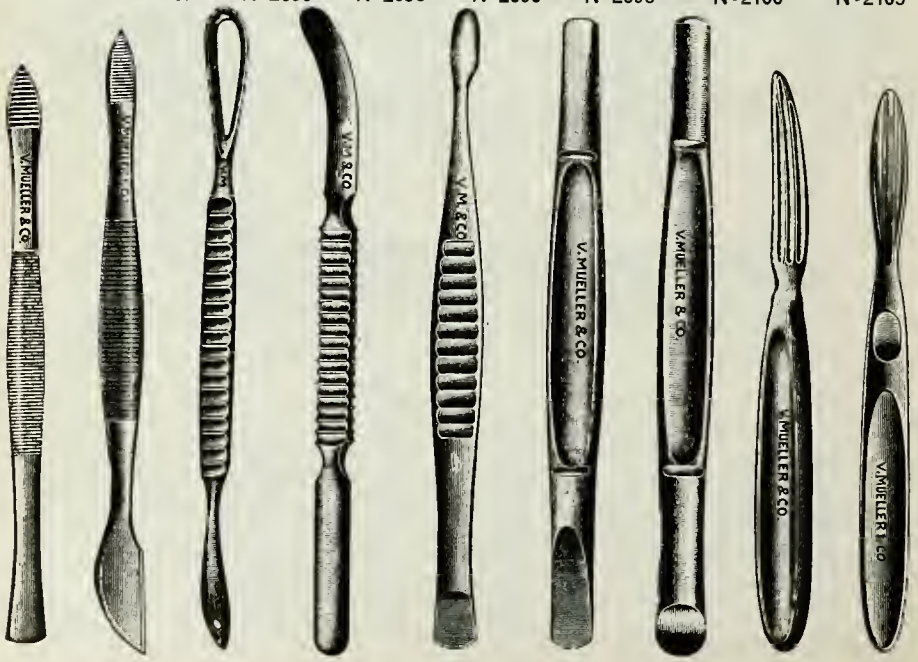
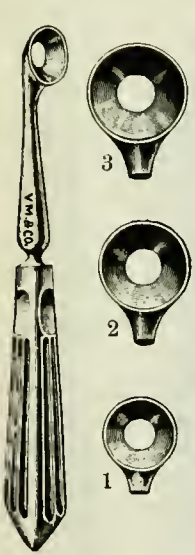


N-2070 N-2075 N-2080 N-2085 N-2090 N-2095 N-2100 N-2105

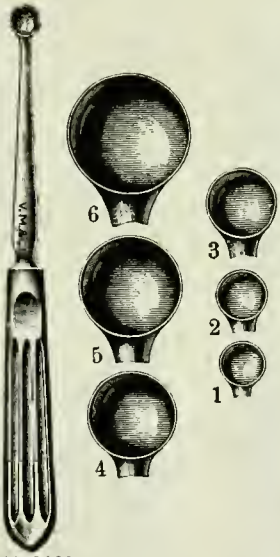


N-2110 N-2115 N-2120 N-2125 N-2130 N-2135 N-2140 N-2145 N-2150

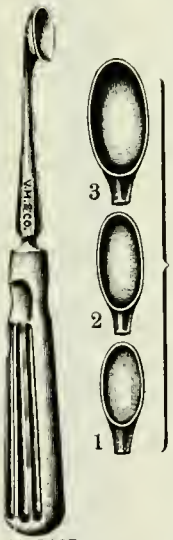
Description next page.



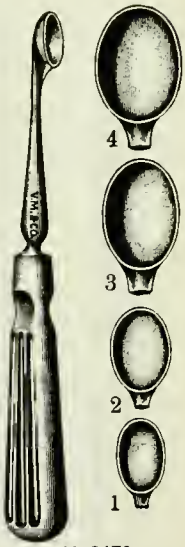
N-2155



N-2160



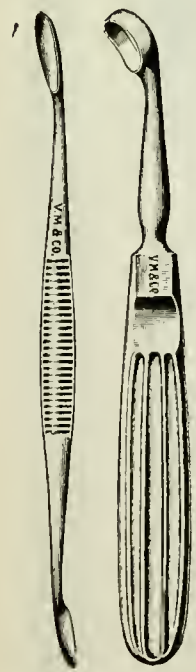
N-2165



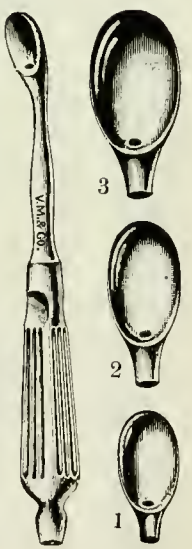
N-2170

ELEVATORS, RASPATORIES AND DISSECTORS

N-2070	Raspatory, Doyen's, for costal periosteum, 6 ins.	$2 25
N-2075	Raspatory, Ollier's, 6 ins.	1 50
N-2080	Raspatory, Langenbeck's, 7 ins.	1 00
N-2085	Raspatory, Langenbeck's 7 ins	1 00
N-2090	Raspatory, Langenbeck's, 7 ins.	1 00
N-2095	Raspatory, Langenbeck's, angular, 7 ins.	1 10
N-2100	Raspatory, Mathieu's, straight edge, 6¾ ins.	1 00
N-2105	Raspatory, Mathieu's, convex edge, 6¾ ins.	1 00
N-2110	Raspatory and elevator, plain 6 ins..	75
N-2115	Raspatory and elevator, Mathieu's, 6 ins.	75
N-2120	Dissector and enucleator Adam's, made of steel, $1 25; made of brass..	75
N-2125	Dissector, Watson-Cheyne's, 7 ins.	1 00
N-2130	Elevator and bone scoop, Ferguson's, 6¾ ins.	1 25
N-2135	Elevator and periosteotome, Sayre's, No. 1, 6½ ins.	1 00
N-2140	Elevator and periosteotome, Sayre's, No. 2, 6½ ins.	1 00
N-2145	Dissector and elevator, Kocher's, made of steel	1 15
N-2150	Dissector and elevator, Kocher's, made of brass.	50
N-2155	Bone curette, Luer's, fenestrated, three sizes, 7 ins., each	1 50
N-2160	Bone curette, Brun's, six sizes, 7 ins., each	1 25
N-2165	Bone curette, long oval bowl, 7 ins., three sizes, Schede's, each	1 25
N-2170	Bone curette, Volkmann's, oval bowl, four sizes, made in two lengths, 7 ins., each $1 25, 9 ins., each	1 35
N-2175	Bone curette, Volkmann's, irrigating, three sizes, each	2 75
N-2180	Bone curette, double ended, Volkmann's, two sizes on each instrument, 5 ins., each $0 85, 7½ ins., each	1 10



N-2180 N-2185



N-2175

N-2185 Bone curette, Farabeauf's, curved, fenestrated, 6½ ins. $1 50

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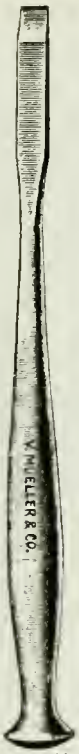
N-2210



N-2190



N-2195


N-2200



N-2195A



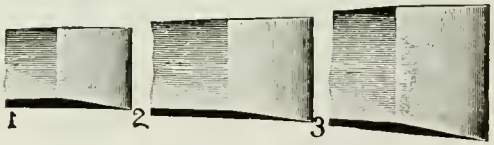
N-2205



N-2210A



N-2215



N-2205A



N-2220

BONE CHISELS AND GOUGES

N-2190 Chisel, bone, Smith's, 7½ ins. $1 50
N-2195 Osteotome, McEwen's, beveled edge, three sizes, 7 ins., each 1 25
N-2195A Osteotome, McEwen's, straight edge, three sizes, 7 ins., each 1 25
N-2200 Osteotome, Brun's, three sizes, beveled edge, 7 ins., each.. 1 10
N-2205 Osteotome, Gutsch's, three sizes, beveled edge, 7 ins., each 1 25
N-2205A Illustrates width of osteotomes, N-2195, N-2195A, N-2200 and N-2205.
N-2210 Gouge, bone, Gutsch's, 6½ ins., made in two sizes, 8 and 10 mm. wide, each 1 25
N-2210A Chisel, bone, Gutsch's, 6½ ins., made in two sizes, 8 and 10 mm. wide, each 1 10
N-2215 Gouge, bone, Esmarch's, very large, made in three sizes, 19, 29 and 33 mm. wide, each 3 75
N-2220 Chisel, bone, Esmarch's, very large, made in three sizes, 19, 24 and 29 mm. wide, each 3 25

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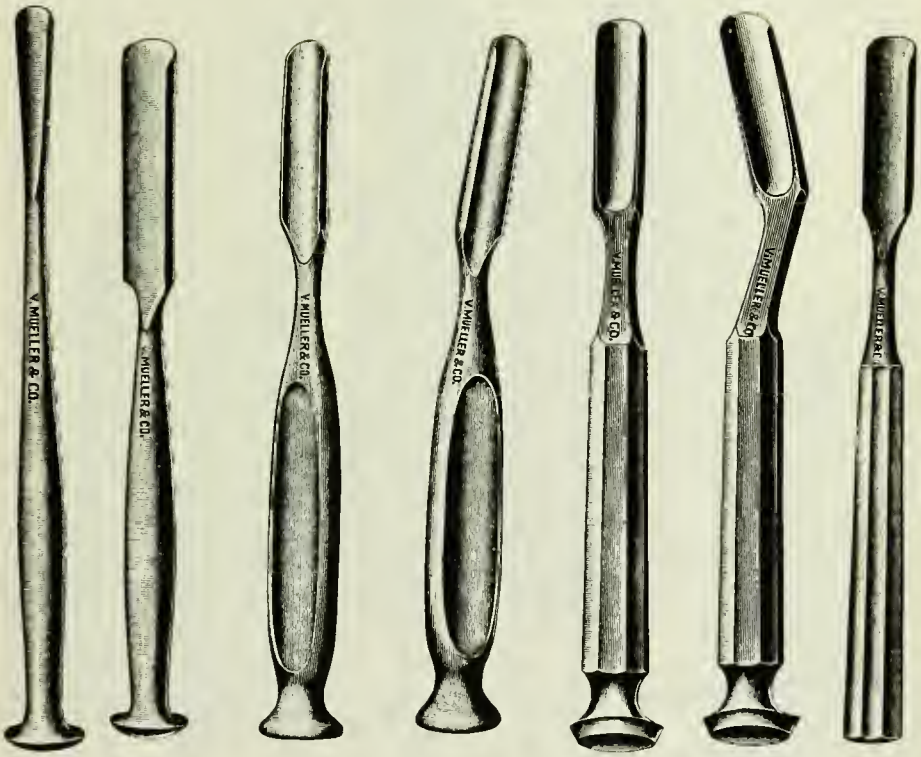
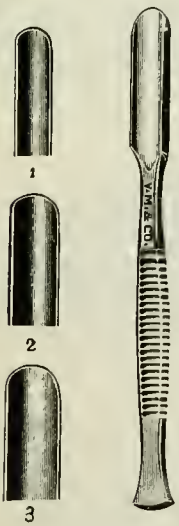


N-2225 N-2230 N-2235 N-2240 N-2245 N-2250 N-2255



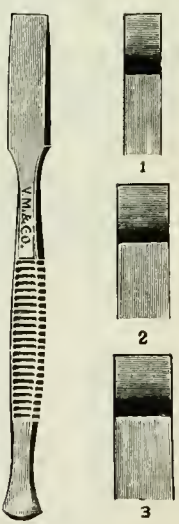
N-2260



N-2255A

BONE GOUGES AND CHISELS

N-2225	Gouge, bone, Smith's, 7½ ins.	$1 50
N-2230	Gouge, bone, Miller's, 7¼ ins.	1 50
N-2235	Gouge, bone, Gutsch's, 7 ins., made in three sizes each.	1 50
N-2240	Gouge bone Gutsch's, 7 ins., angular, made in three sizes, each.	1 50
N-2245	Gouge, bone, McEwen's, 7 ins., made in three sizes, each.	1 25
N-2250	Gouge, bone, McEwen's, angular, 7 ins., made in three sizes, each.	1 50
N-2255	Gouge, bone, Brun's, 7 ins., made in three sizes, each.	1 25
N-2255A	Illustrates width of bone gouges, N-2235 to N-2255.	
N-2260	Gouge, bone Schwabe's, three sizes, 5½ ins., each.	75
N-2265	Chisel, bone, Schwabe's, three sizes, 5½ ins., each.	60



N-2265

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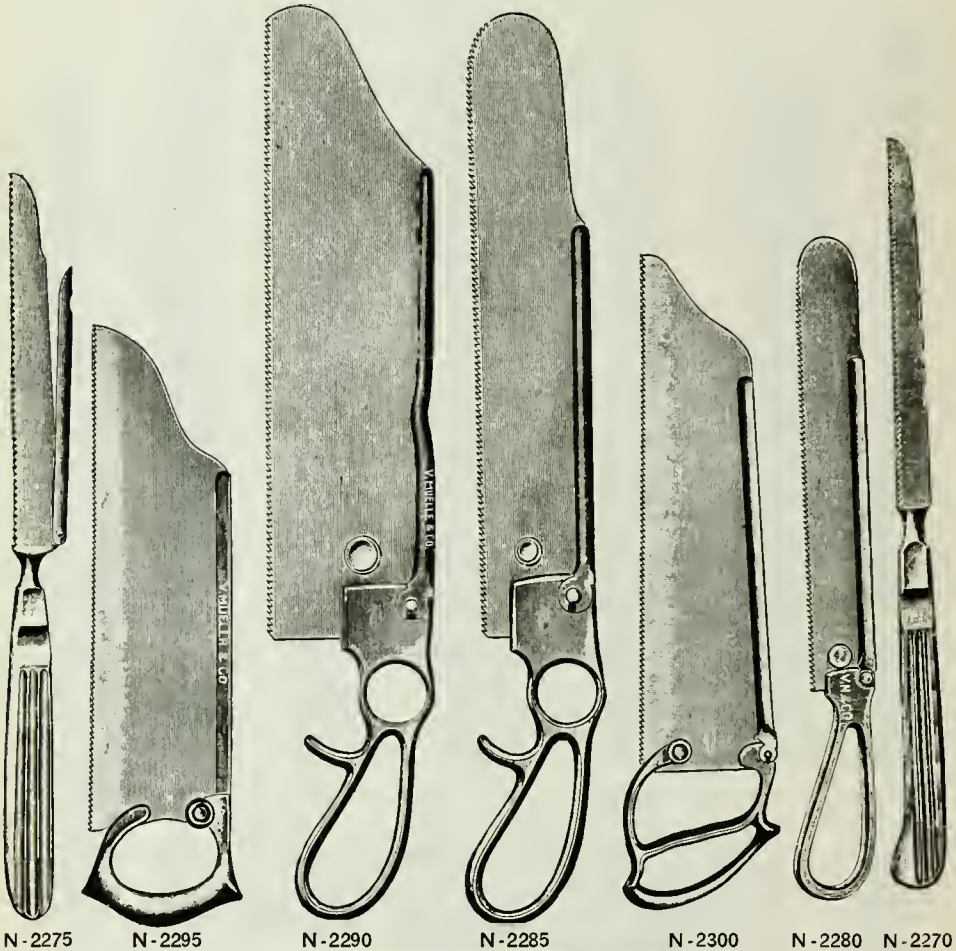


N-2275 N-2295 N-2290 N-2285 N-2300 N-2280 N-2270



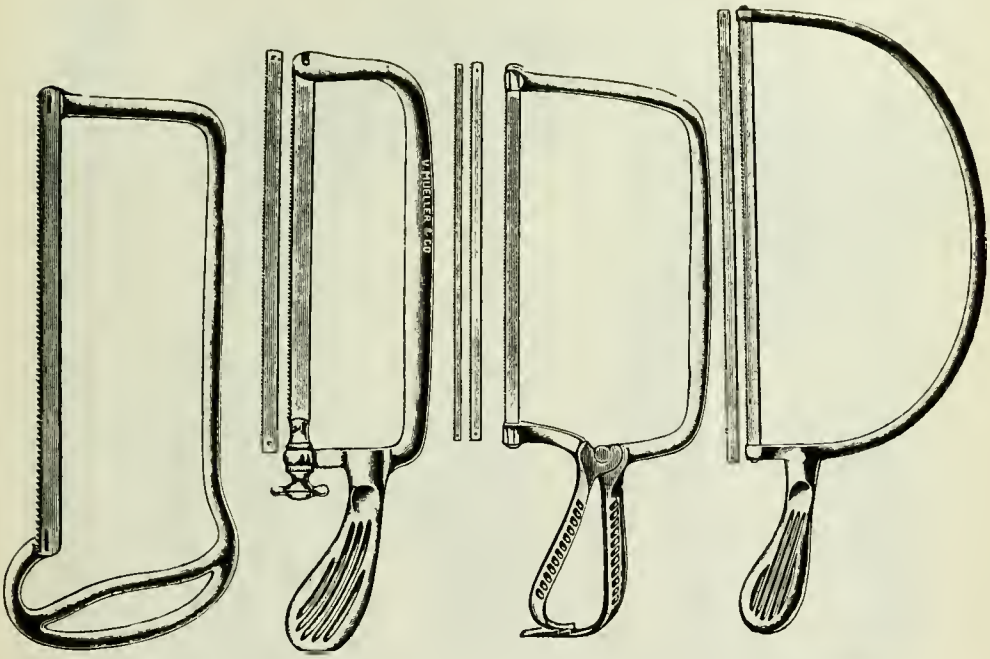
N-2305

AMPUTATING SAWS

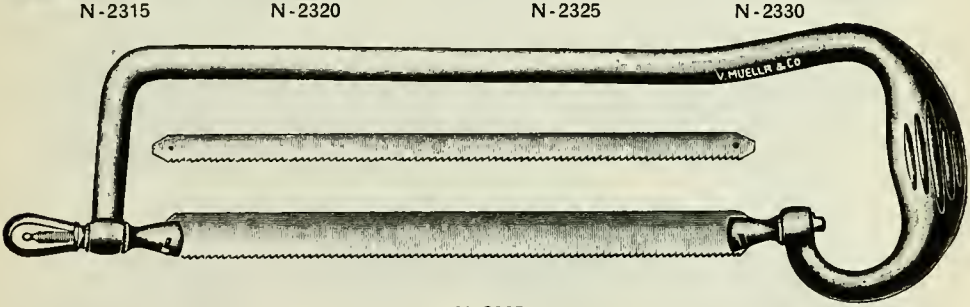
N-2270	Saw, Langenbeck's, plain, 9 ins.	$1 25
N-2275	Saw, Langenbeck's, with lifting back 9 ins.	1 75
N-2280	Saw, Charriere's, entire length 9 ins., blade 6 ins.	1 65
N-2285	Saw, Charriere's, with improved handle, entire length 12 ins., blade 8 ins.	2 25
N-2290	Saw, Satterlee's, entire length 11½ ins., blade 8 ins.	2 50
N-2295	Saw, Tiemann's, entire length 11 ins., blade 9 ins.	2 75
N-2300	Saw, Parker's, entire length 12 ins., blade 9 ins.	3 00
N-2305	Saw, V. Mueller & Co.'s special, entire length 11½ ins., blade 8 ins.	2 00

The saw described last has a handle which is very convenient and does not force the operator to twist his wrist. We can therefore recommend it highly to our customers.

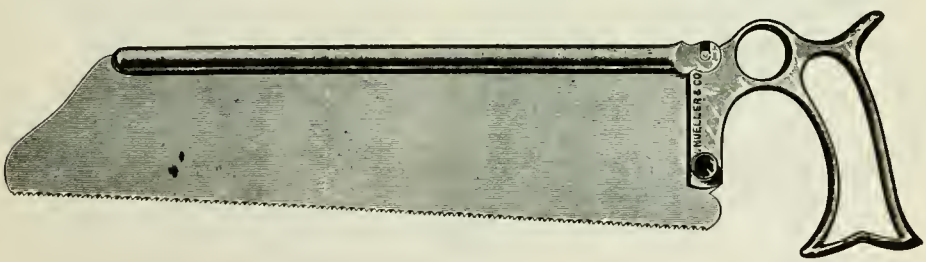
Do not mutilate catalogue.—Specify section letter and number in ordering.



N-2315 N-2320 N-2325 N-2330



N-2335

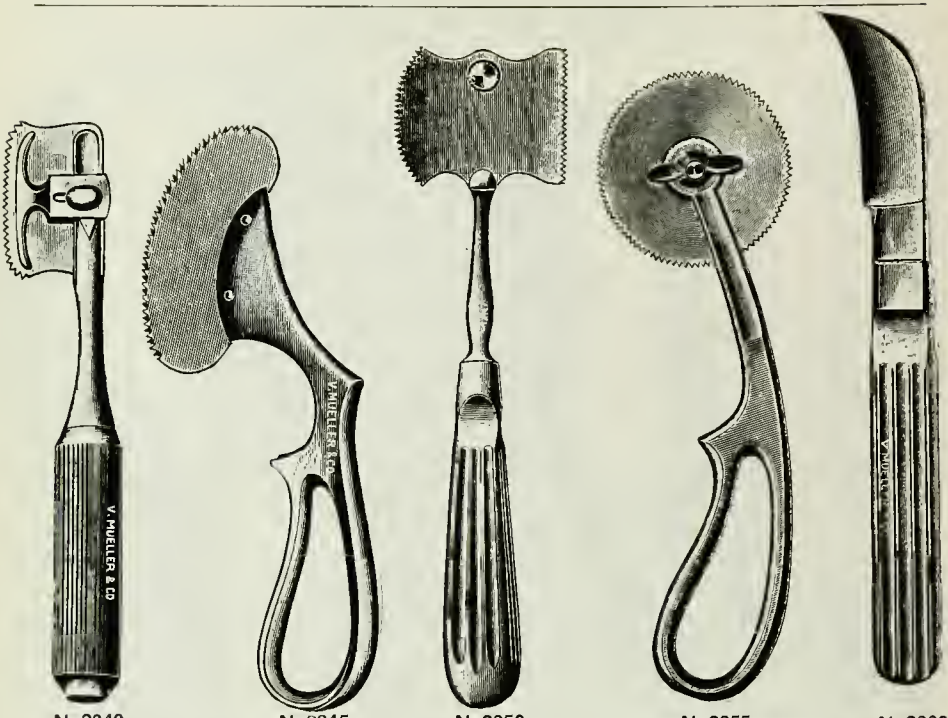


N-2310

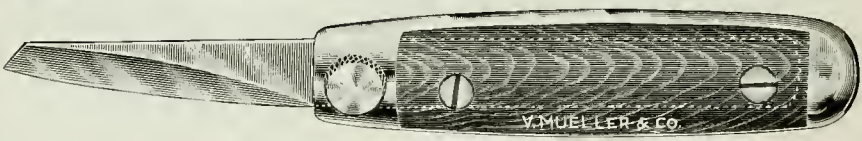
AMPUTATING SAWS—Continued

N-2310	Saw, Weiss', aseptic, entire length 14 ins., blade 11½ ins	$5 50
N-2315	Bow saw, Windler's, plain pattern	4 00
N-2320	Bow saw, Charriere's, entire length 14 ins. with two 9-in. blades	5 00
N-2325	Bow saw, Matbieu's, with three blades	8 50
N-2330	Bow saw, Nyrop's, with two blades	5 50
N-2335	Bow saw, Rust's, entire length 14 ins., with two 9½-in blades	7.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-2340 N-2345 N-2350 N-2355 N-2360

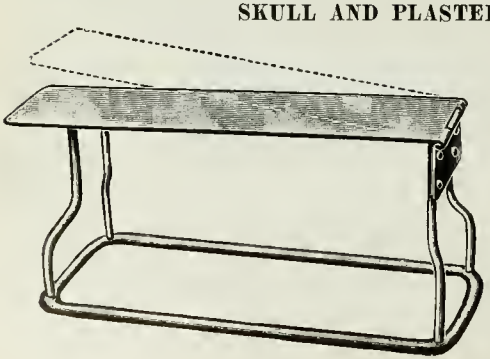


N-2365



N-2370

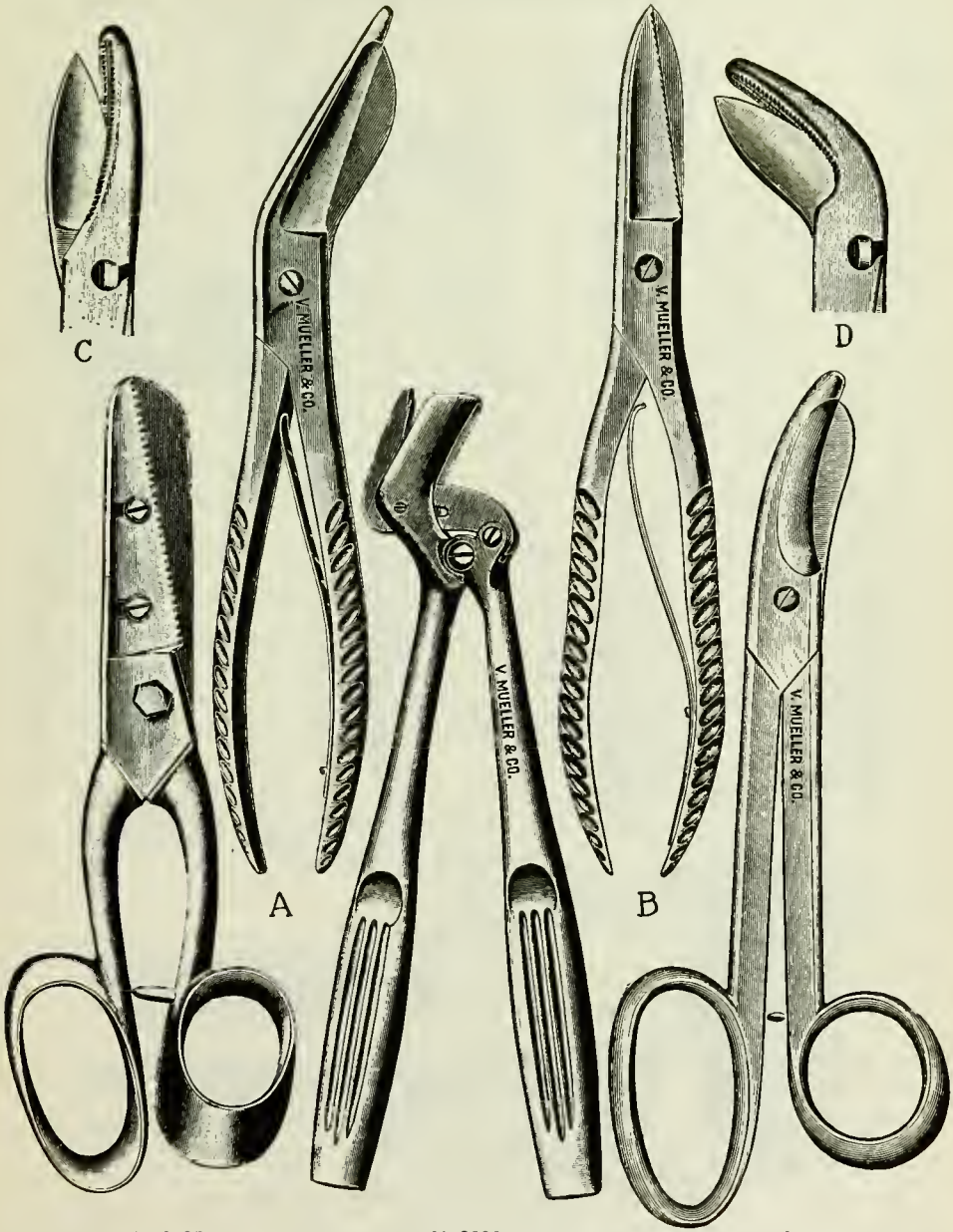
SKULL AND PLASTER SAWS, ETC.



N-2375

N-2340	Saw, skull, Doyen's, with guard to regulate depth of cut	$6 50
N-2345	Saw, plaster Paris, Engel's, 6½ ins.	1 25
N-2350	Saw, Hey's, for skull, can also be used for plaster Paris	1 50
N-2355	Saw, Katsch's, for plaster Paris, 6½ ins.	1 50
N-2360	Knife, for plaster Paris, Esmarch's	1 50
N-2365	Knife, for plaster Paris, Ridlon's, knife blade passes into the handle, consequently can be resharpened, and used for an indefinite time	1 50
N-2370	Knife, for plaster Paris, Ridlon's, pocket style, with two blades and nail file ..	1 50
N-2375	Bandage rest, Ochsner's	6 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-2385 N-2380 N-2390

RIB AND PLASTER SHEARS

N-2380	Shear, plaster of Paris, Stille's, latest model, steel branches, reaching right through the end of handle, 11½ ins.	$10 00
N-2385	Shear, plaster of Paris, with saw toothed blade attached, 8½ ins.	4 50
N-2390	Shear, plaster of Paris, Brun's, 9¼ ins.	3 00
N-2390A	Shear, plaster of Paris, 8 ins.	2 75
N-2390B	Shear, plaster of Paris, or for bone, 9 ins.	2 75
N-2390C	Shear, rib, Mathieu's, straight, 9½ ins.	4 25
N-2390D	Shear, rib, Mathieu's, half curved, 9¼ ins.	4 25

Do not mutilate catalogue.—Specify section letter and number in ordering.



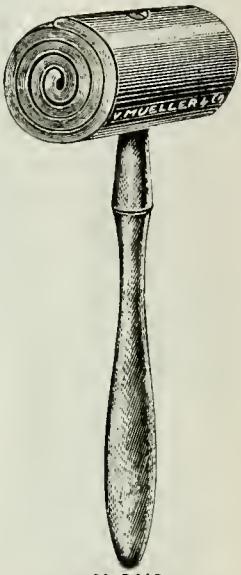
N-2395



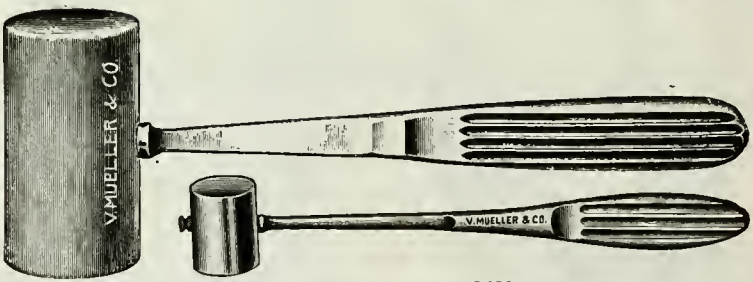
N-2400



N-2405



N-2410

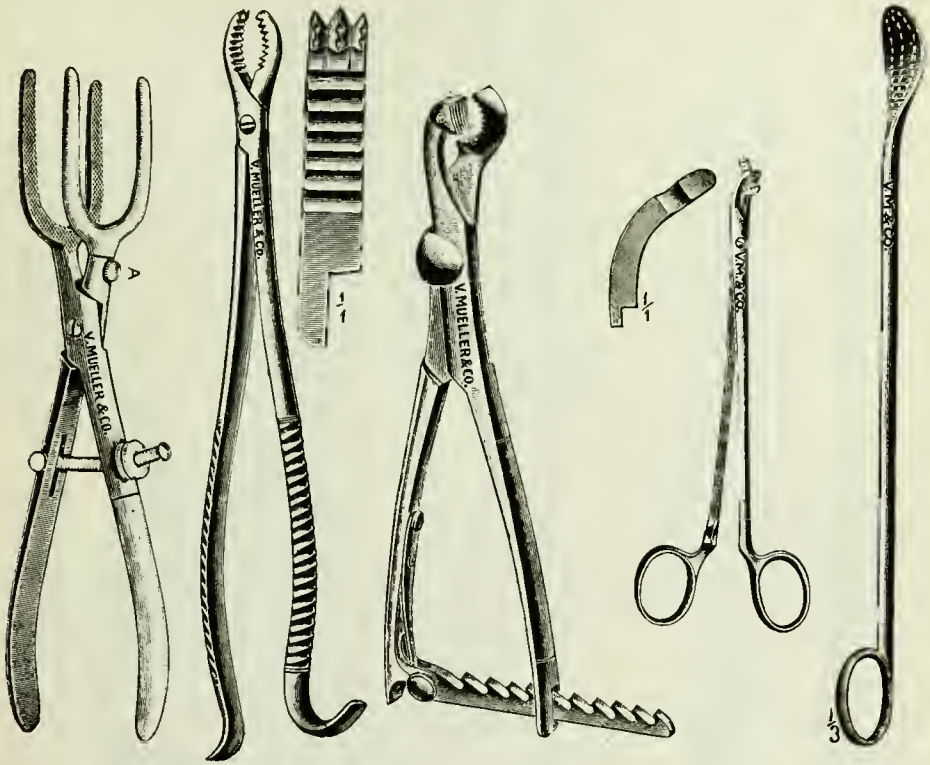


N-2415 N-2420

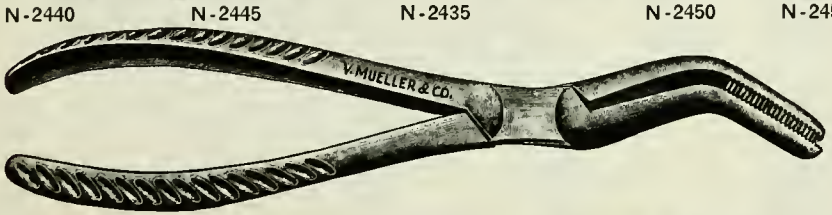
MALLETS. METAL, FIBRE AND RAWHIDE

N-2395	Mallet, metal, lead filled, 9½ ins	$1 50
N-2400	Mallet, metal, Doyen's, made of soft bronze	3 50
N-2405	Mallet, metal, 7½ ins	1 50
N-2410	Mallet, raw hide, $0 75; box wood polished	1 35
N-2415	Mallet, made of wood fibre, 8½ ins., very serviceable	3 00
N-2420	Mallet, V. Mueller & Co.'s, small, made of bronze, 6½ ins	1 50

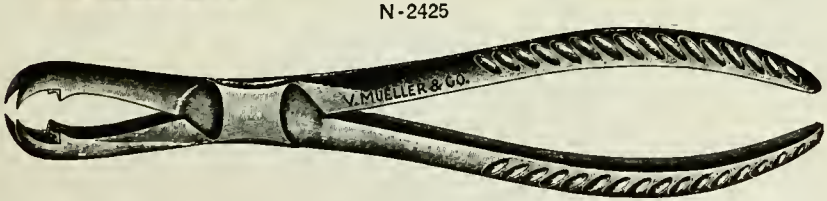
Do not mutilate catalogue.—Specify section letter and number in ordering.



N-2440 N-2445 N-2435 N-2450 N-2455



N-2425



N-2430

BONE HOLDING FORCEPS, ETC.

N-2425	Forceps, bone holding, Van Buren's, 8½ ins.	$1 75
N-2430	Forceps, bone holding, Ferguson's, lion jaw, 8½ ins.	2 25
N-2435	Forceps, bone holding, Lambotte's, 8½ ins.	11 50
N-2440	Forceps, bone holding, James', one jaw adjustable, 11 ins.	7 50
N-2445	Forceps, bone holding, Lane's, 12 ins., $6 50; large size, 15 ins.	10 00
N-2450	Forceps, for holding bone screws, Lane's, 7½ ins.	3 00
N-2455	Elevator or retractor, Lane's.	2 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



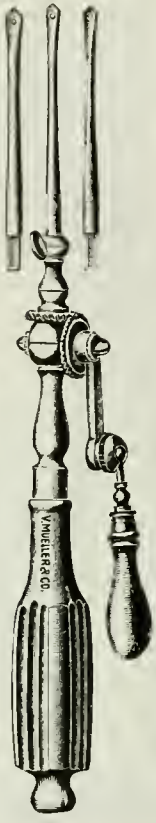
N-2470



N-2475



N-2480



N-2485



N-2490



N-2460

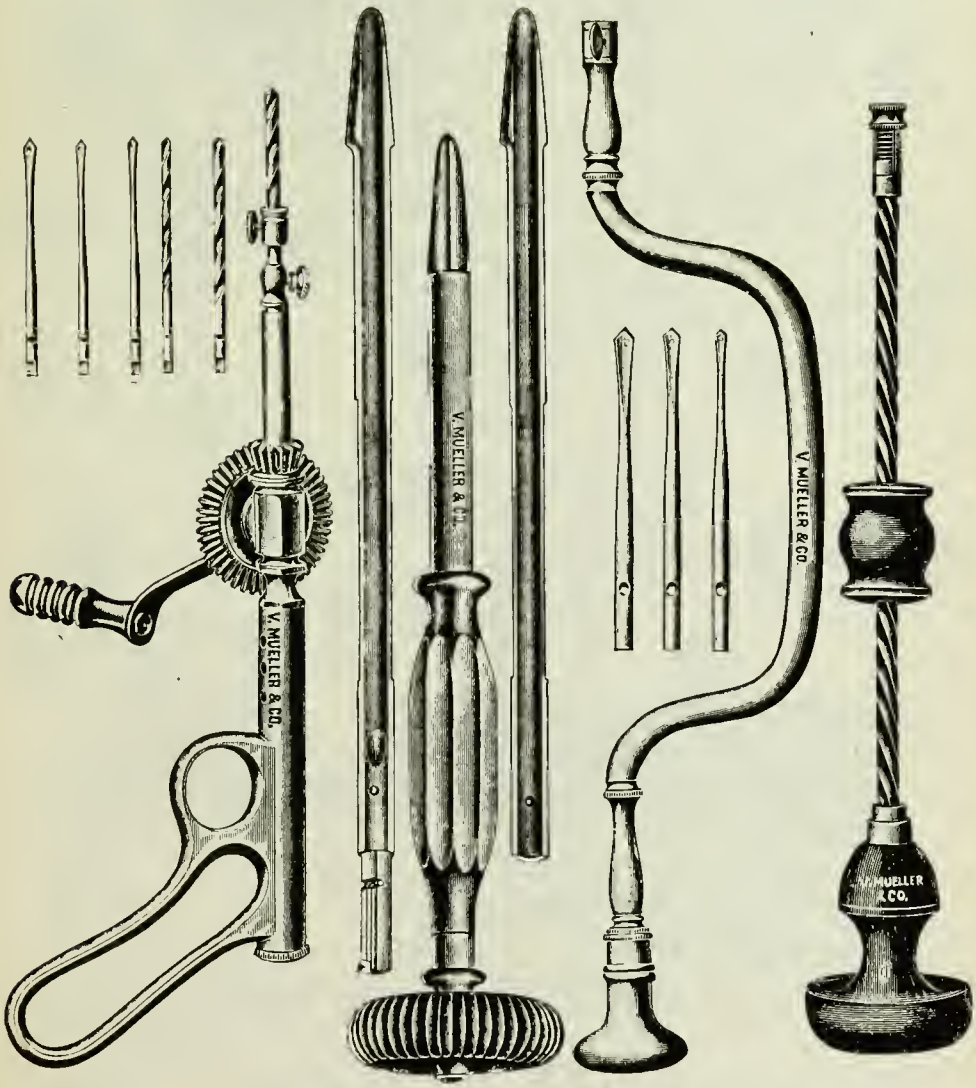
BONE DRILLS

N-2460	Bone drill, Esmarch's, plain, 6 ins.	$1 50
N-2465	Bone drill, Esmarch's, solid handle	1 00
N-2470	Bone drill, Esmarch's, set of two in one handle, 7 ins.	2 00
N-2475	Bone drill, Fischer's, with three points	2 00
N-2480	Bone drill, Hamilton's, with six points, in handle, 8¾ ins.	3 00
N-2485	Bone drill, Collin's, with three points, 6½ ins.	13 50
N-2490	Bone drill, Brainard's, with five points, which can be carried in handle, 7¾ ins.	3 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-2465



N-2495 N-2500 N-2505 N-2510

BONE DRILLS—Continued

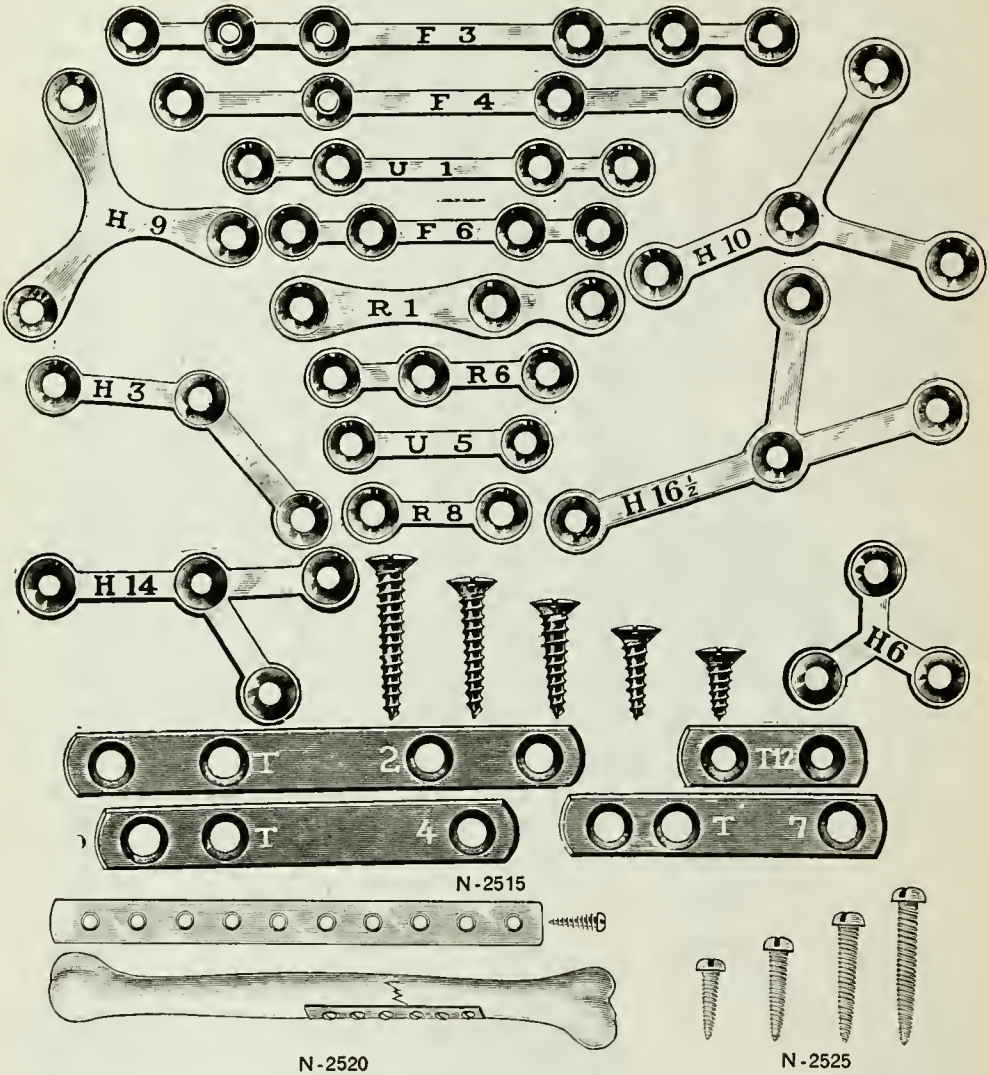
N-2495 Bone drill, Richter's, with six points, 9 ins..... $5 50

N-2500 Bone drill, Schwabe's, (Russian) 10 ins..... 10 50

The Russian bone drill has become very popular during the last few years, it is especially well adapted for opening the mastoid, etc.

N-2505 Bone drill Langenbeck's brace, with three points, 11 ins..... 5 75

N2510 Bone drill, German pattern, with wooden handle, three points, 10 ins..... 1 50



BONE PLATES AND BONE SCREWS

Lane's bone plates, illustrated above, are made of steel, and we have in stock over 50 different shapes and sizes. We have illustrated only those most commonly used, and from our experience we judge that among those plates illustrated, our customers will find the shape required for any fracture that may occur. We are always ready however, to send a number for selection.

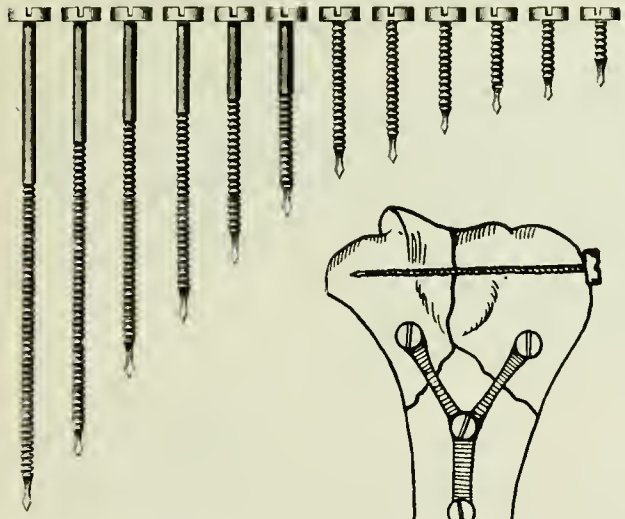
Please order by letter and number.

N-2515 Bone plates, Lane's, F, R and U for femur, radius and ulna, including screws, each $0 60
H six patterns for humerus, including screws each..... 1 00
T for tibia, 12 sizes, including screws, according to length and number of holes, each $0 35 to..... 50
Extra screws per dozen..... 30

N-2520 Bone plates, made of silver, Mayo's, 2½ ins., $1 00; 3 ins., $1 50; 4 ins., $1 50. *Not* including screws.

N-2525 Bone screws made of silver, Mayo's, length ½ in., each $0 50; ¾ in., each $0 60; ⅝ in., each..... 70

Do not mutilate catalogue.—Specify section letter and number in ordering.

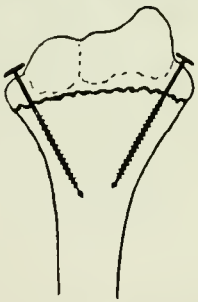


N-2530

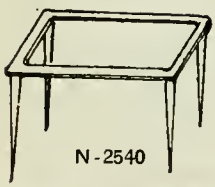


N-2535

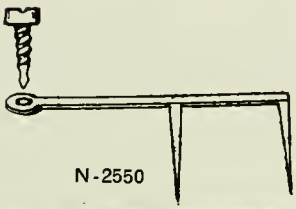
N-2530B



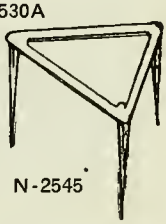
N-2530A



N-2540



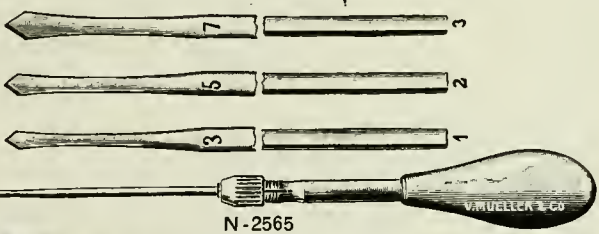
N-2550



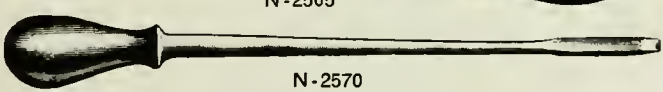
N-2545



N-2560



N-2565



N-2570

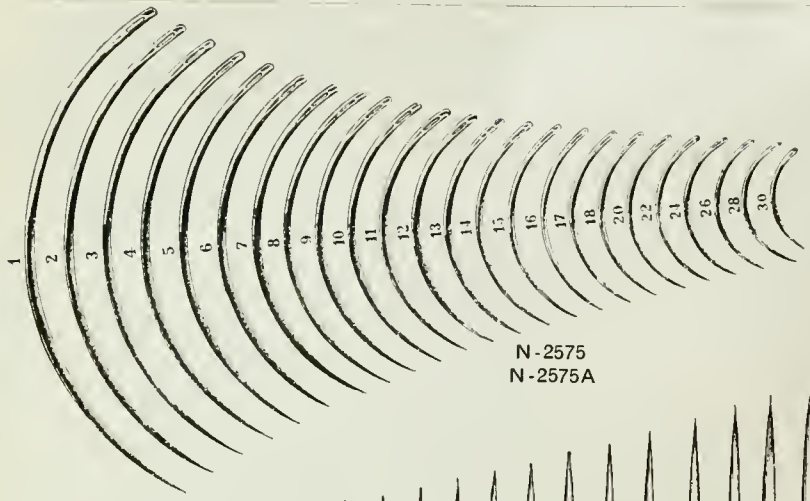


N-2555

BONE SCREWS, CLAMPS, ETC.

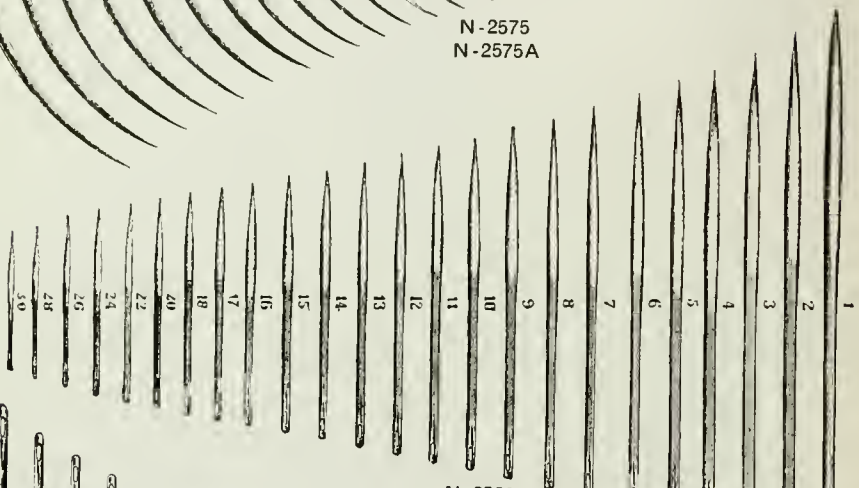
N-2530	Bone screws, Lamboldt's, made of steel, tempered and heavily gold plated, 1 to 4, each $0 85; 5 to 8, each $1 00; 9 to 12, each	$1 25
N-2530	A and B illustrates method of using Lamboldt's bone screws and Lane's bone plates.	
N-2535	Pure silver wire, for wiring bones, per oz	2 00
N-2540	Bone staple, Lamboldt's, made of steel, tempered and heavily gold plated, four pronged	1 75
N-2545	Bone staple, Lamboldt's, made of steel, tempered and heavily gold plated, three pronged	1 75
N-2550	Bone staple, Lamboldt's, made of steel, tempered and heavily gold plated, two pronged with one No. 1 screw	1 75
N-2555	Tap for bone screws, Weber's	2 00
N-2560	Screw driver, for bone screws, Weber's	1 50
N-2565	Drill, for bone screws, three points, set complete	3 50
N-2570	Screw driver, for bone screws, Lane's, metal handle	1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.

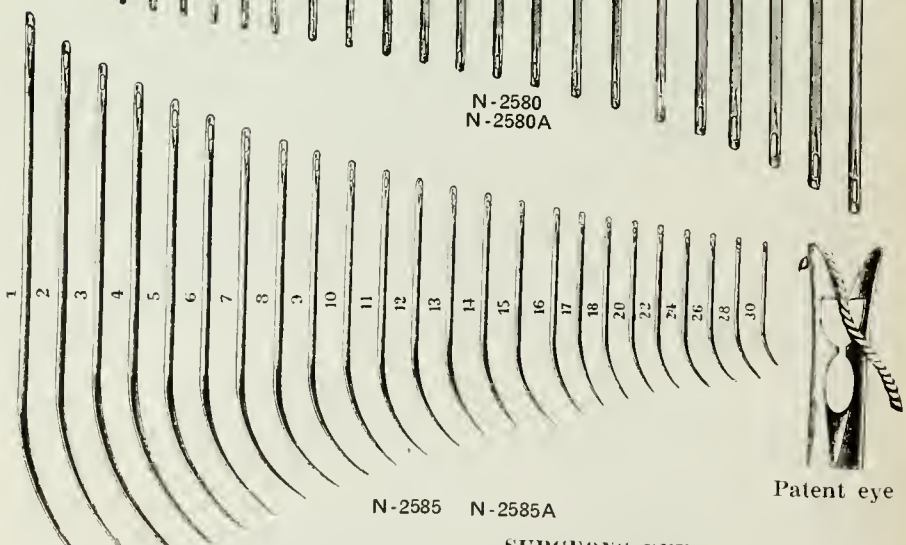


Plain eye.

N-2575
N-2575A



N-2580
N-2580A



Patent eye

N-2585 N-2585A

SURGEONS NEEDLES

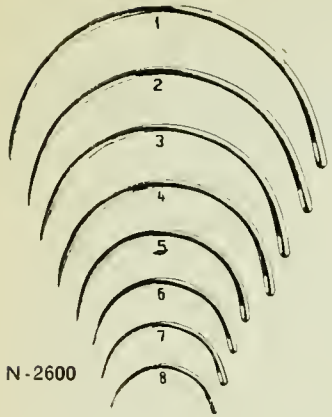
N-2575 Full curved, sizes 1 to 30, plain eye, dozen.. $0 40
N-2575A Full curved, sizes 1 to 30, patent eye, dozen 75
N-2580 Straight, sizes 1 to 30, plain eye, dozen..... 40
N-2580A Straight, sizes 1 to 30, patent eye, dozen... 75
N-2585 Half curved, sizes 1 to 30, plain eye, dozen.. 40
N-2585A Half curved, sizes 1 to 30, patent eye, dozen 75
N-2590 Eye needles, half curved, sizes 26, 28 and 30, plain eye, dozen, $0 50; patent eye, dozen.. 1 00
N-2595 Eye needles, full curved, sizes 26, 28 and 30, plain eye, dozen, $0 50; patent eye, dozen.. 1 00



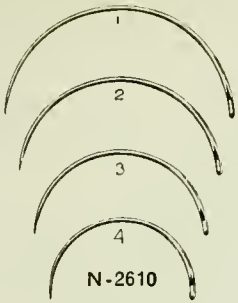
N-2590



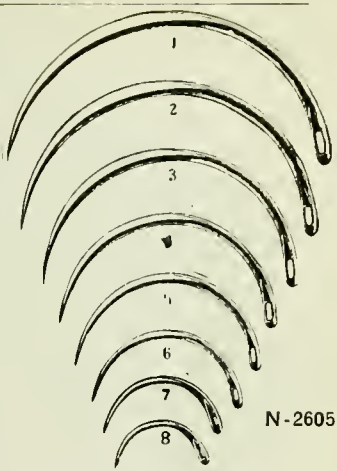
N-2595



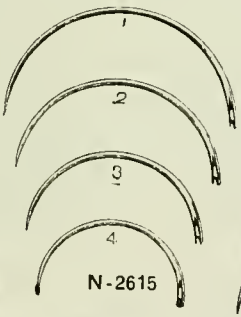
N-2600



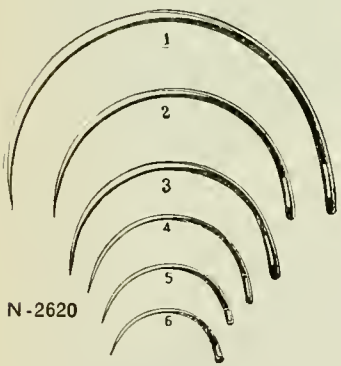
N-2610



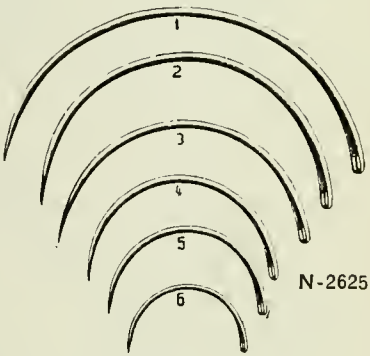
N-2605



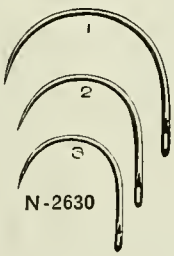
N-2615



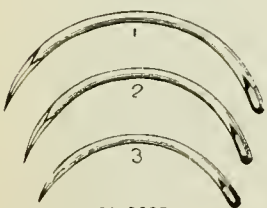
N-2620



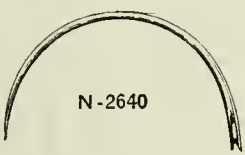
N-2625



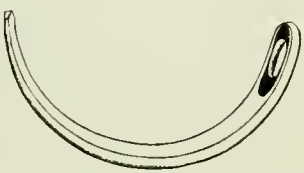
N-2630



N-2635



N-2640



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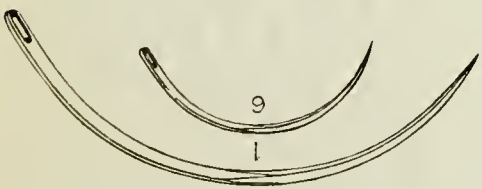

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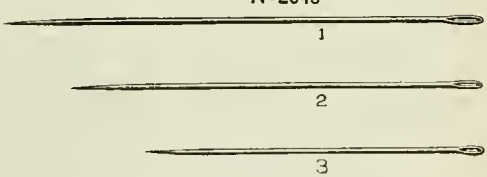


N-2655

SURGEONS' NEEDLES—Continued

N-2600 Ferguson's, taper point, dozen, $0 65; cutting point, dozen..... $0 75

N-2605 Martin's, fistula, heavy, dozen.... 75

N-2610 Intestinal, taper point, stretched eye, plain, dozen..... 55

N-2615 Intestinal, taper point, patent eye, dozen 75

N-2620 Half circle, cutting point, strong, dozen 50

N-2625 For ligature, taper point, strong, dozen 75

N-2630 Mayo's, intestinal, taper point, fish hook shape, dozen..... $0 60

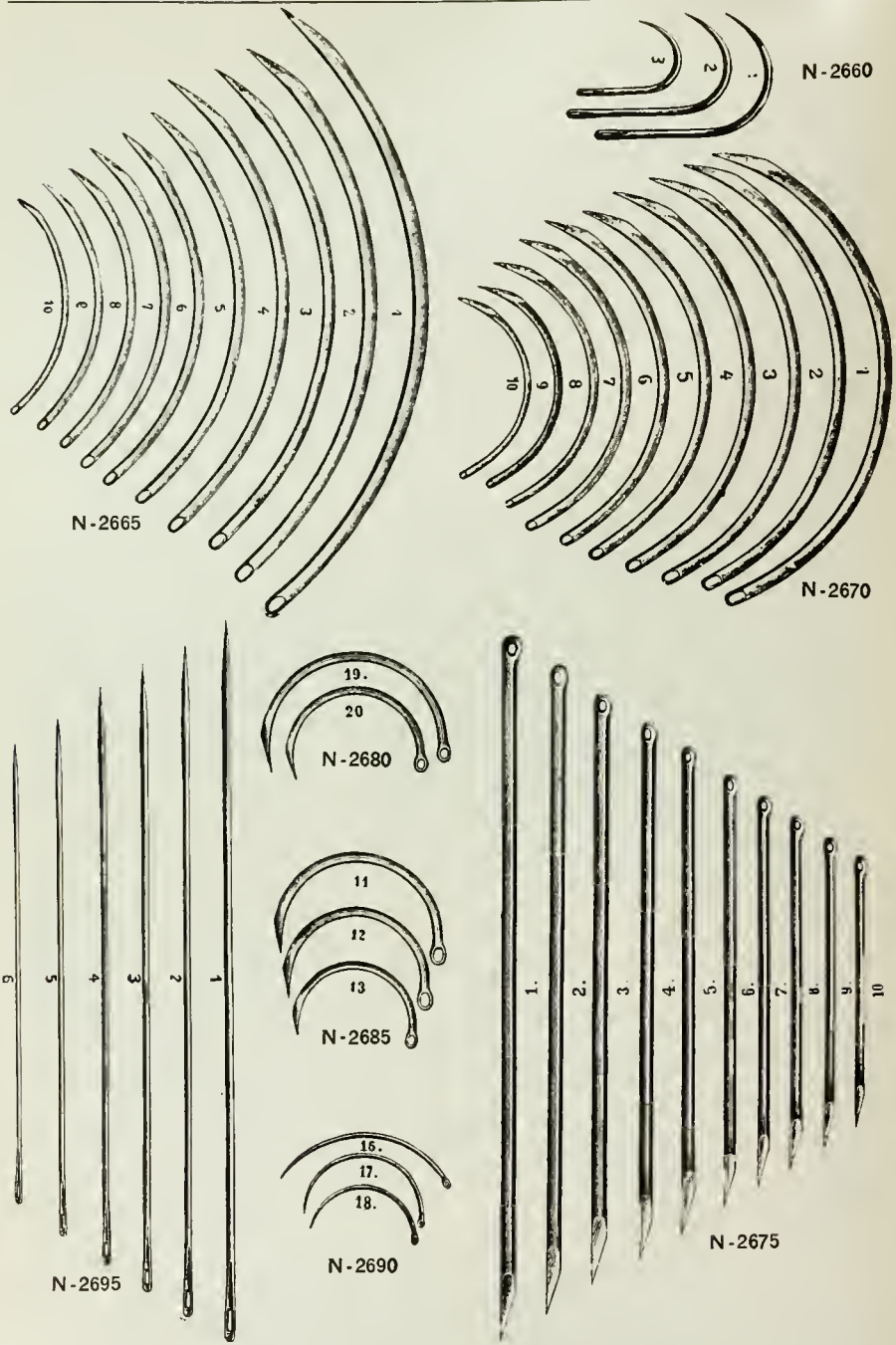
N-2635 Pratt's, cervix, three sizes, dozen 85

N-2640 Moynihan's, taper point, full curved, patent eye, dozen..... 75

N-2645 Hernia, Deiarmo's, dozen..... 1 25

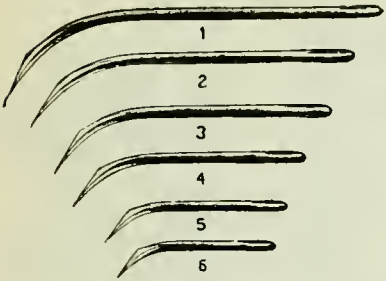
N-2650 Bonney's, six sizes, dozen..... 1 25

N-2655 Straight, taper point, stretched eye, dozen, $0 60; patent eye, dozen 75

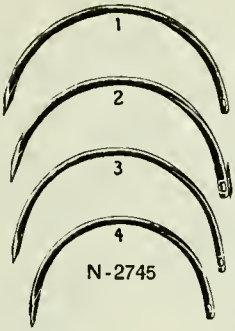


SURGEONS' NEEDLES—Continued

N-2660	Lister's, for work in the mouth, dozen	$0 75
N-2665	Hagedorn's, lesser curved, dozen	60
N-2670	Hagedorn's, full curved, dozen..	60
N-2675	Hagedorn's, straight, dozen.....	60
N-2680	Hagedorn's, ligature, dozen.....	$0 60
N-2685	Hagedorn's, gynaecological, dozen	60
N-2690	Hagedorn's, intestinal, dozen....	75
N-2695	Keith's, abdominal, dozen.....	55



N-2700



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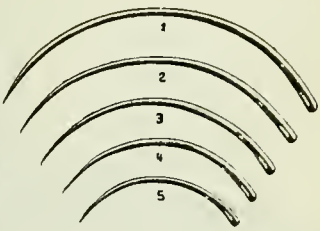

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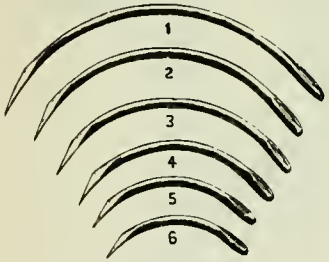

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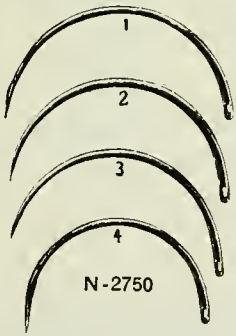

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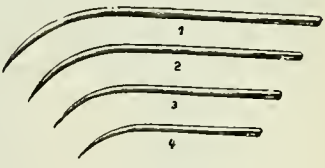

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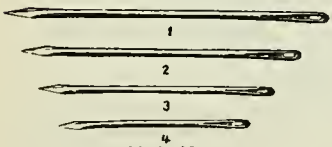
N-2735



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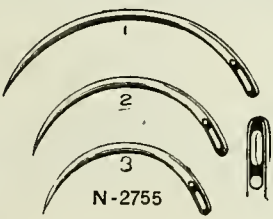

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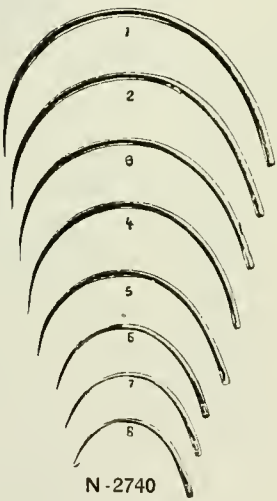

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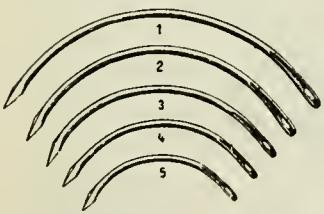

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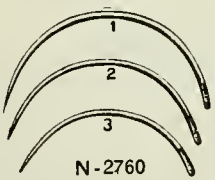
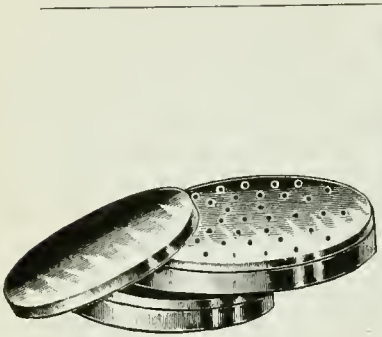
N-2720



N-2760

SURGEONS' NEEDLES—Continued

N-2700	Emmett's, trocar point, half curved, dozen	$0 50
N-2705	Emmett's, trocar point, full curved, dozen	50
N-2710	Emmett's, trocar point, straight, dozen	50
N-2715	Slm's, lance point, full curved, dozen	55
N-2720	Slm's, lance point, half curved, dozen	55
N-2725	Emmett's, taper point, full curved, dozen	50
N-2730	Emmett's, taper point, half curved, dozen	$0 50
N2735	Emmett's, taper point, straight, dozen	50
N-2740	Kelly's, fistula, cutting point, dozen	65
N-2745	Mayo's, trocar point, dozen	75
N-2750	Mayo's, taper point, heavy, large eye, dozen	75
N-2755	Harris', with double eye for wire sutures, dozen	1 00
N-2760	Murphy's, taper point, flat shank, dozen	65



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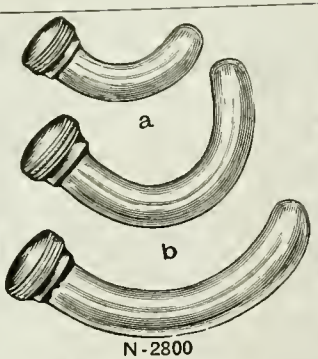

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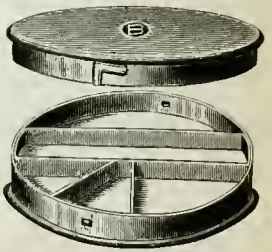

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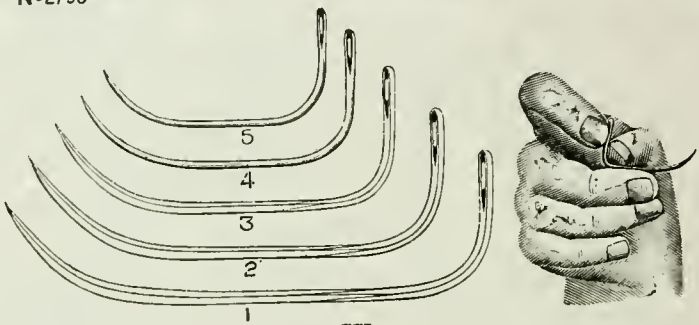

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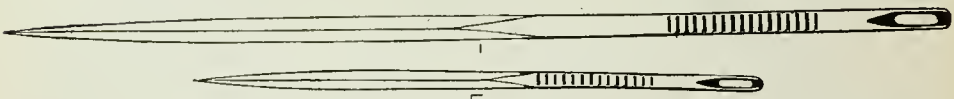

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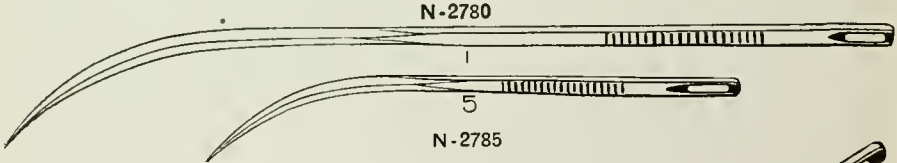

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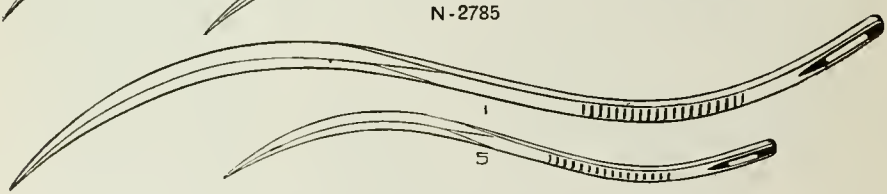
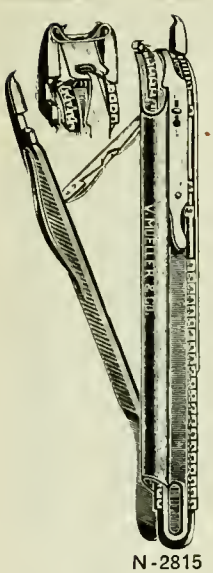


N-2790

SURGEONS NEEDLES AND NEEDLE CASES

N-2775	Surgeons needles, Loopuyt's, cutting points, curved shank, for use without needle holder, dozen	$1 25
N-2780	Post mortem needles, made in five sizes, illustration showing large and small size, dozen	1 50
N-2785	Post mortem needles, half curved, made in five sizes, illustration showing large and small size, dozen	1 50
N-2790	Post mortem needles, double curved, made in five sizes, illustration showing large and small size, dozen	1 75
N-2795	Needle case and sterilizer, Clayton's	1 25
N-2800	Needle cases, made of glass with metal screw cap, small size for eye needles, A for full curved needles, B for half curved needles. Illustrations are ½ size, each	35
N-2805	Needle case, metal, nickel plated, compartment removable	65

Do not mutilate catalogue.—Specify section letter and number in ordering.



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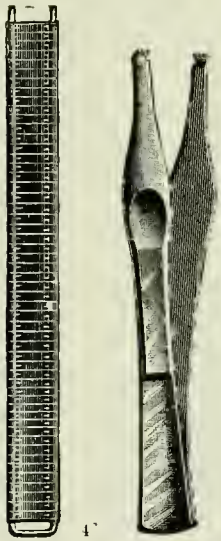

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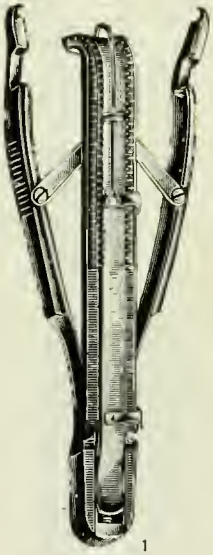



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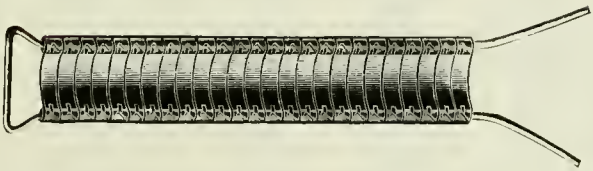



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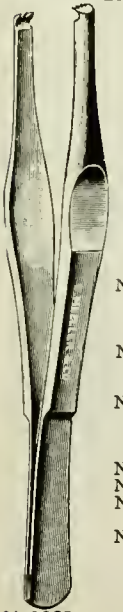

N-2825



N-1830



N-2835

MICHEL'S SUTURE INSTRUMENTS

N-2810	Suture Set, Michel's, in metal case, containing automatic forceps, illustrated as No. 1 and 2, plain suture forceps No. 3, and rack of suture clips No. 4. Complete	$11 50
N-2815	Suture Set, Michel's, in metal case, original automatic forceps, plain suture forceps and rack of suture clips, complete	16 50
N-2820	Suture Clips, Michel's, made in three sizes, smallest size being mostly used, 25 clips on wire frame, $0 35; per 100	1 25
	Medium per hundred, $1 50; large per hundred	1 75
N-2825	Forceps, plain for introducing Michel's sutures	75
N-2830	Forceps, for removing Michel's sutures	1 25
N-2835	Forceps, double ended, for introducing and removing Michel's sutures	2 00
N-2840	Hooks, per pair	25

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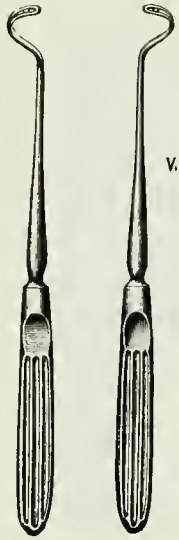

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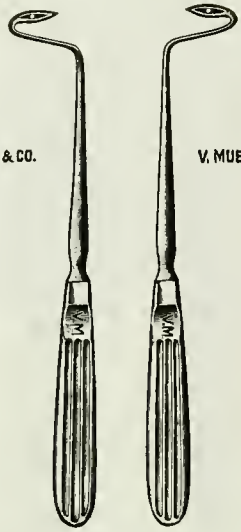

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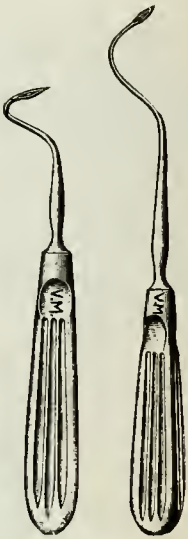
N-2855



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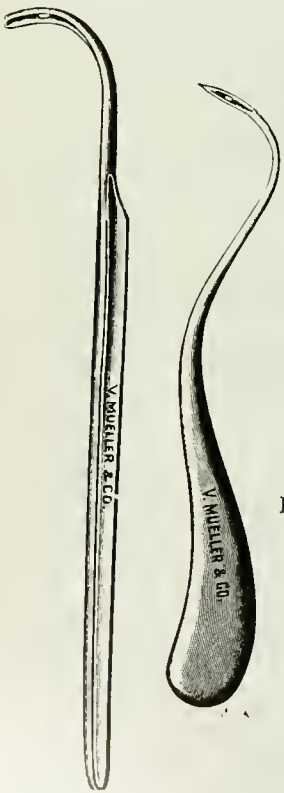

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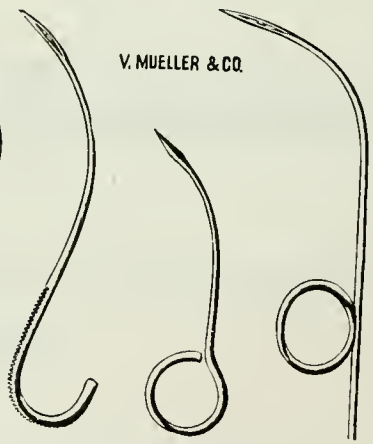
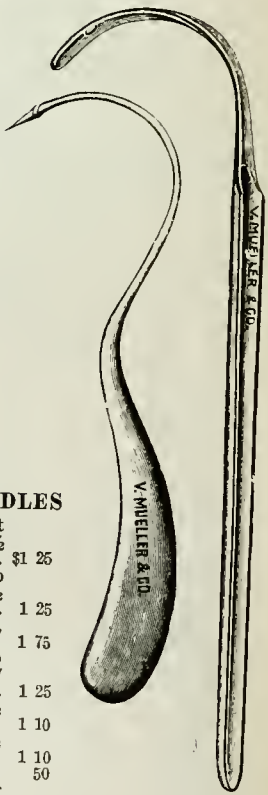


N-2875 N-2880 N-2885



N-2870 N-2895

PERINEUM AND ANEURISM NEEDLES

N-2845	Needle, Dechamp's, blunt pointed, right and left, 8½ ins., each	$1 25
N-2850	Needle, Dechamp's, sharp pointed, right and left, 8½ ins., each	1 25
N-2855	Needle, Webster's aneurism, right and left, 9 ins., each	1 75
N-2860	Needle, Carsten's, made in two sizes, right and left, 6 and 7 ins., each	1 25
N-2865	Needle, Hall's, laparatomy, 6½ ins	1 10
N-2870	Needle, Hall's, laparatomy, 6½ ins	1 10
N-2875	Needle, Davison's, 4½ ins.	50
N-2880	Needle, Mooj's, made in four sizes, illustrations showing smallest size, each	50
N-2885	Needle, Hall's, 4¾ ins.	$1 00
N-2890	Needle and director, aneurism, illustration full size	35
N-2895	Needle and director, aneurism, illustration full size	40

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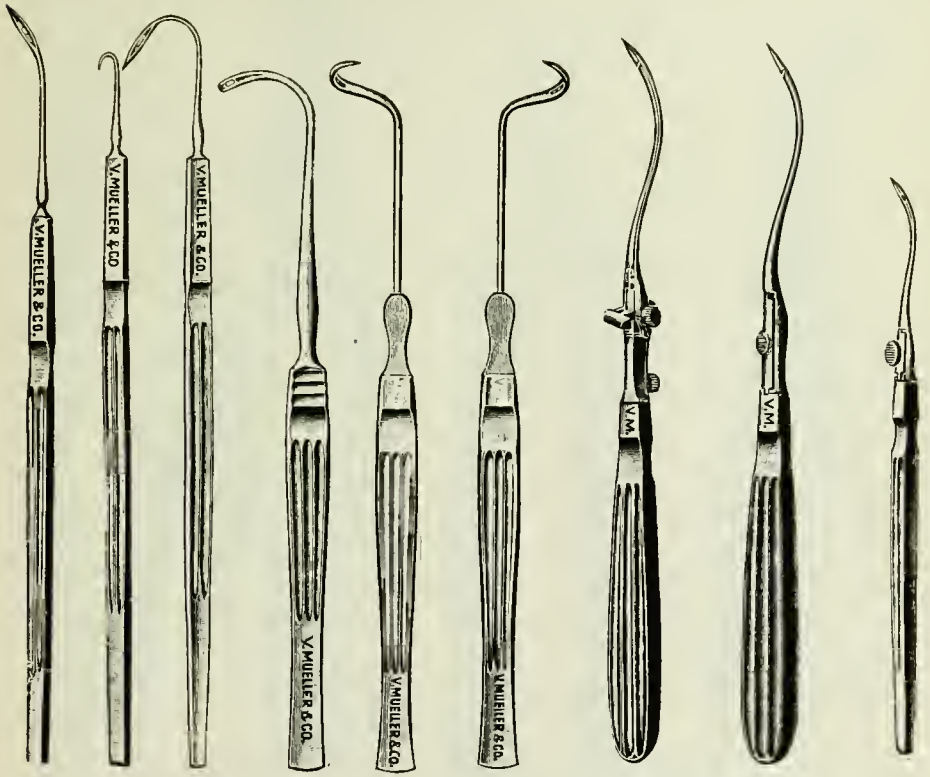
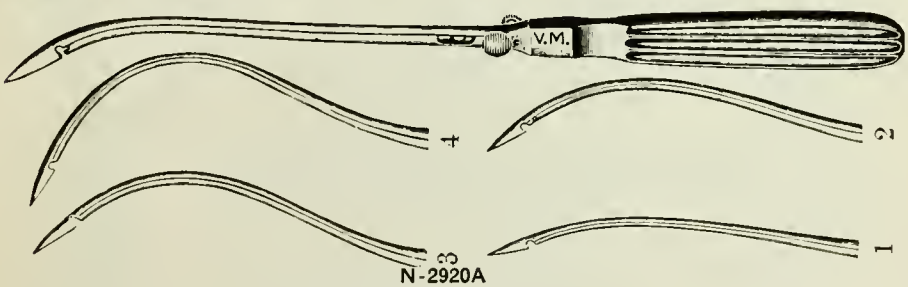


N-2925 N-2935 N-2930 N-2940 N-2900 N-2905 N-2910 N-2915



N-2920A

SUTURE NEEDLES, ETC.

N-2900	Needle, perineum, Peasiee's, right and left, 7½ ins., each	$1 35
N-2905	Needle, Reverdin-Keye's, 7½ ins., each	3 50
N-2910	Needle, Reverdin's, 7½ ins.	3 25
N-2915	Needle, Reverdin's, small for eye work, or other delicate suturing, 6 ins	3 50
N-2920	Needle, pedicle, Zweifel's, Reverdin pattern, extra strong, 9½ ins	3 50
N-2920A	1, 2, 3 and 4, illustrates curves and actual sizes of the various Reverdin needles which we carry in stock.	
N-2925	Needle, staphylorrhaphy, Updegraff's, half curved, 8¾ ins	1 25
N-2930	Needle, staphylorrhaphy, Updegraff's, full curved, 8 ins	1 25
N-2935	Hook, staphylorrhaphy, Updegraff's, 7½ ins	1 00
N-2940	Needle, aneurism, Cooper's	85

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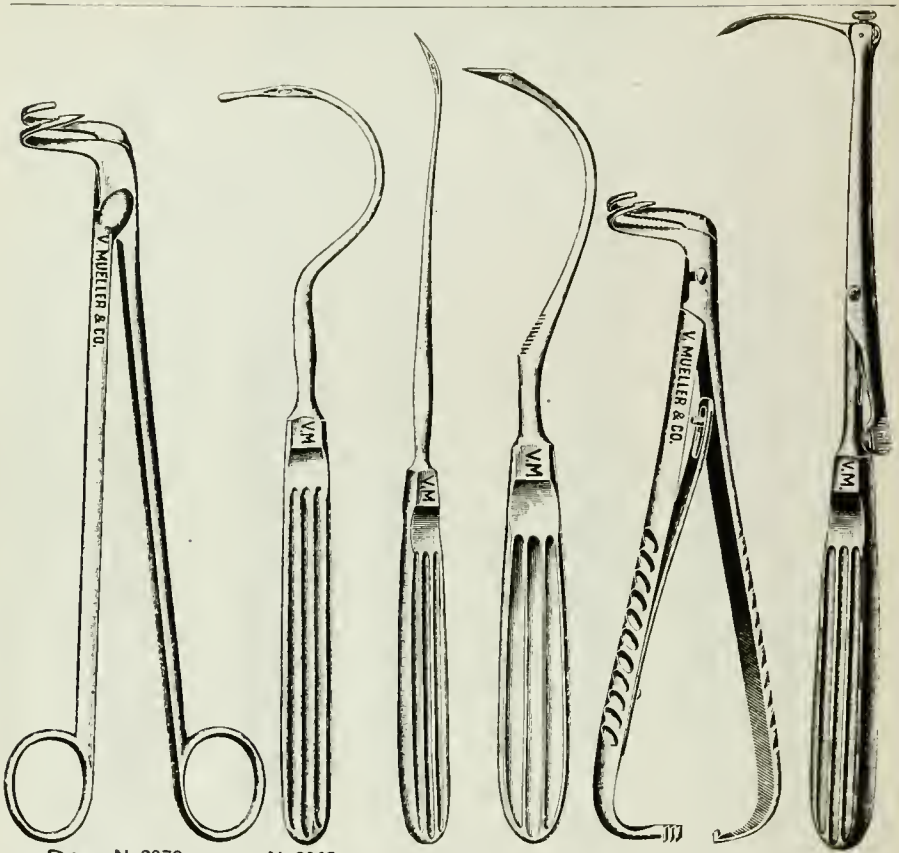


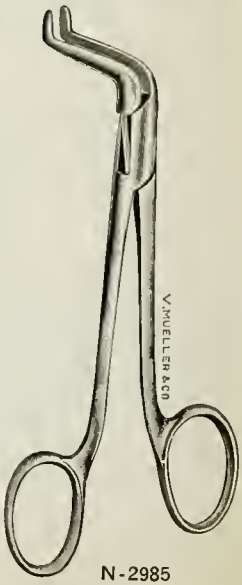
N-2970 N-2965 N-2960 N-2955 N-2975 N-2950

SUTURE NEEDLES AND LIGATURE CARRIERS

N-2950	Needle, Reverdin's, with automatic eye, right and left, each	$6 50
N-2955	Needle, Landau's, sharp with Hagedorn eye	1 50
N-2960	Needle, Billroth's, slightly curved	1 50
N-2965	Needle, aneurism, Langenbeck's, blunt	1 25
N-2970	Ligature carrier, Cleveland's, 8 ins.	2 10
N-2975	Ligature carrier, Cleveland's, improved, 7 ins., right and left, each	2 50
N-2980	Ligature forceps, Barrett's, 7 ins.	1 75
N-2985	Ligature forceps, Davison's, 5 ins.	2 75



N-2980



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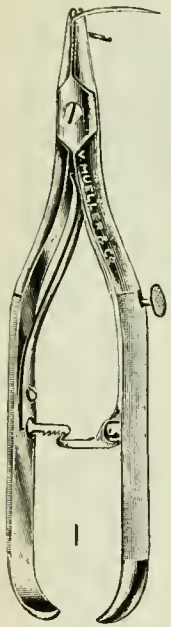
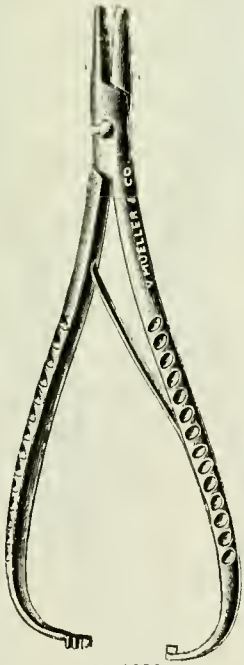


N-2990



N-3005



N-3000



N-2995



N-3020



N-3025



N-3010

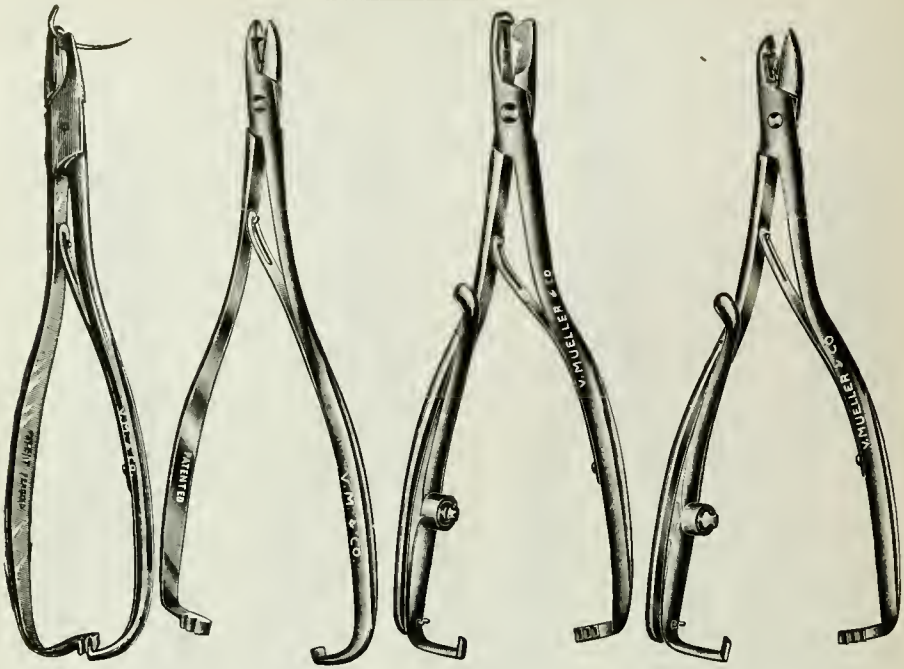
NEEDLE HOLDERS AND NEEDLE FORCEPS

N-2990	Needle holder, Weder's, made in three sizes, 7, 8 and 9 ins., each	$3 75
N-2990A	Needle holder, Weder's, our own manufacture	5 00
N-2995	Needle holder, Mathieu's, improved with release catch, 6½ ins.	3 25
N-3000	Needle holder, Mathieu's, made in three sizes, 5½ ins., $1 50; 7 ins., $1 75; 8 ins.	2 00
	We furnish these needle holders, with screw lock or with aseptic lock, of first class material and workmanship.	
N-3005	Needle holder, Fowler's, especially suitable for Hagedorn needles, 7¼ ins.	1 75
N-3010	Needle holder, Langenbeck's, aseptic lock	1 75
N-3015	Needle holder Webster's, with mortised lock, 8 ins.	3 00
N-3020	Needle holder, Crile's, 6 ins., mortised lock	2 00
N-3025	Needle forceps, Mayo's, 5½ ins.	1 00

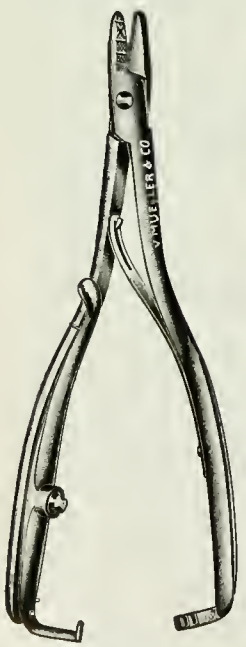


N-3015

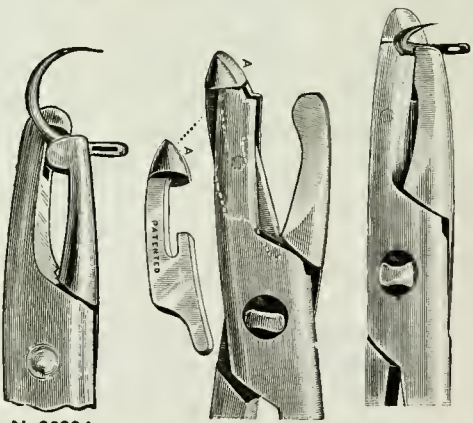
Do not mutilate catalogue.—Specify section letter and number in ordering.



N-3030 N-3035 N-3040 N-3045



N-3050



N-3030A N-3055A N-3055B

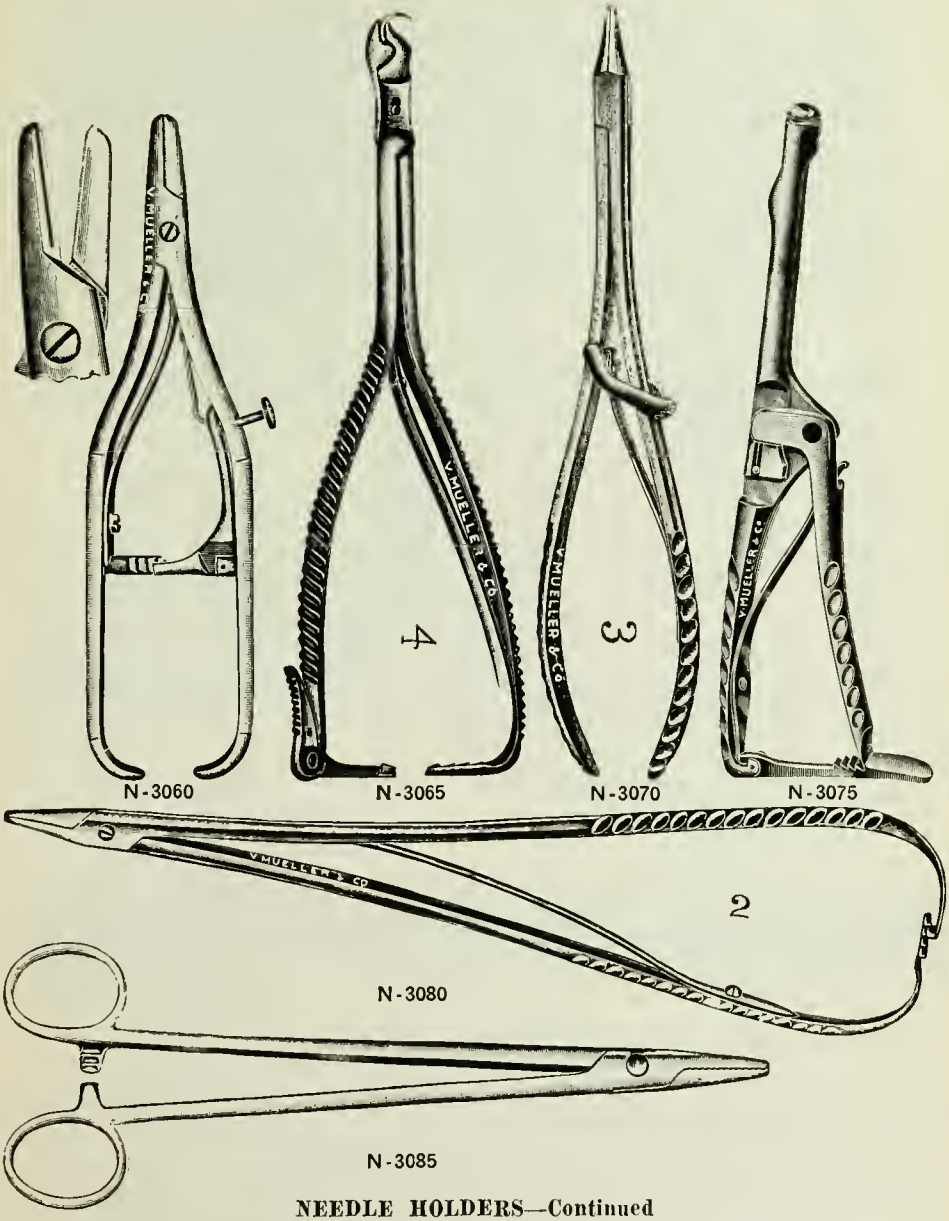


N-3055

NEEDLE HOLDERS—Continued

N-3030	and N-3030A needle holder, Richter's orlginal pattern	$3 50
N-3035	Needle holder, Richter's orlginal with grasping point	3 50
N-3040	Needle holder, Richter's, with improved catch	5 00
N-3045	Needle holder, Richter's, with grasping point and improved catch	5 00
N-3050	Needle holder, Richter-Mathieu's, with improved catch	5 00
N-3055A	and B, needle holder, Richter's, improved by Sether. Improvement consists of a movable jaw which enables the operation to regrasp the needle and pull it through the tissue, a procedure which was difficult or impossible with the original Richter's needle holder..	5 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



NEEDLE HOLDERS—Continued

N-3060	Needle holder, Harris' improved model, made in two sizes, each	$5 00
N-3065	Needle holder, Brophy's, for operating in the mouth also suitable for work in the abdomen, etc.	4 50
N-3070	Needle holder, Reiner-Kelly, 8 ins., $2.50; 11 ins.	3 00
N-3075	Needle holder, Hagedorn's, 6¾ ins.	4 50
N-3080	Needle holder, Mathieu-Murphy's, made in two sizes, 8 ins., $3 00; 10½ ins.	3 50
N-3085	Needle holder, Hegar's, made in two sizes, 6½ ins., $1 35; 8 ins.	1 60

Do not mutilate catalogue.—Specify section letter and number in ordering.



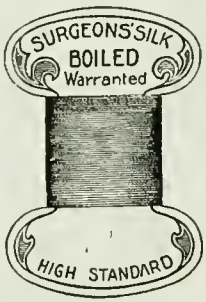
N-4015



N-4020



N-3090



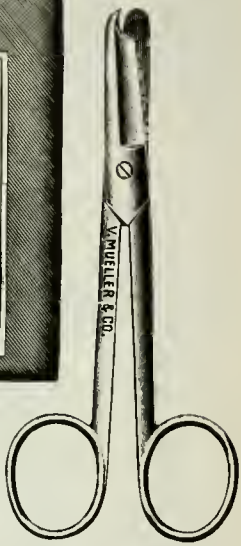
N-4035



N-4010



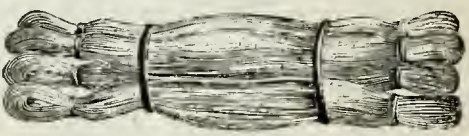
N-4040



N-3095



N-4025



N-4030

STITCH CUTTERS, SUTURES, ETC.

N-3090	Scissors, wire cutting, Smith's, 6 ins	$1 25
N-3095	Scissors, stitch cutting, Littauer's, 5½ ins	1 25
N-4000	Wire nippers, 4½ ins., best grade, nickel-plated, not illustrated	1 50
N-4005	Wire nippers, 5 ins. extra quality, not illustrated	2 00
N-4010	Shot compressor, Thomas', 8 ins	1 50
N-4015	Shot, perforated, made in four sizes, per hundred	50
N-4020	Suture button, Getchell's, dozen	60
N-4025	Linen thread, Mayo's, iron dyed, made in four sizes, per hank No. 25, $0 15; No. 35, $0 20; No. 50, $0 25; No. 90	30
N-4030	Celluloid covered thread, Pagenstecher's, made in five sizes, per hank	30
	Pagenstecher-Brown's, bleached, five sizes, per hank	30
N-4035	Braided silk, on cards, sizes 1 to 16, white, each	15
	Braided silk, on cards, sizes 2, 4, 6, 8, 10, 12 and 14, black iron dyed, each	15
	Twisted silk, on cards, sizes 1 to 16, white each	10
	Twisted silk, on cards, sizes 2, 4, 6, 8, 10, 12 and 14, black iron dyed, each	10
N-4040	Braided silk, four sizes on card in slip case, white	40
	Twisted silk, four sizes on card in slip case, white	35

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-4045



N-4050

Lukens Sterile Catgut

Trade (Bartlett Process) Mark



N-4055



N-4060

Plain Pyoktanin Catgut

SIZES—00—0—1—2—3—4
LENGTHS—14 INCHES 28 INCHES

AVERAGE LIFE IN THE TISSUE 1 WEEK

The gut is aseptic, clean and sterile, antiseptic, strong and non-irritating

DIRECTIONS—Tear the envelope and drop the contents into a sterile solution; soak the strand before application to make it pliable and to prevent breaking at the knot. Use three knots, double or single.

N-4065

Formalized Pyoktanin Catgut

SIZES—00—0—1—2—3—4
LENGTHS—14 INCHES 28 INCHES

WILL LAST WEEKS IN TISSUE

The gut is aseptic, clean and sterile, antiseptic, strong and non-irritating

DIRECTIONS—Tear the envelope and drop the contents into a sterile solution; soak the strand before application to make it pliable and to prevent breaking at the knot Use three knots, double or single.

N-4070

STERILE SUTURES

N-4045 Catgut, Van Horn, in breakable glass tubes, six sizes, 00 to 4, dozen tubes..... $2 50
Emergency tubes, per dozen in box..... 1 00
Kangaroo tendons, in glass tubes, three sizes, per dozen..... 2 50
Silkworm gut or horse hair, per dozen tubes..... 2 50

N-4050 Catgut, Lukens' (Bartlett Process) in breakable glass tubes, six sizes 00 to 4, per dozen tubes 2 50
Oyloidin silk, intestinal sutures, white or iron dyed, three sizes, 1, 2, 3, per dozen 2 50

N-4055 Catgut, Thomas', plain or chromotized, per dozen tubes..... 2 00
Silkworm gut, horse hair or kangaroo tendons, per dozen tubes..... 2 00

N-4060 Catgut, Watter's, chloroform, six sizes, 00 to 4, per dozen..... 2 50

N-4065 Catgut, Pyoktanin plain, sizes 00 to 4, made in two lengths 14 and 28 ins.,

Size 00 14 ins., dozen.....	$0 45	Size 00 28 ins., dozen.....	60
Size 0 14 ins., dozen.....	50	Size 0 28 ins., dozen.....	70
Size 1 14 ins., dozen.....	60	Size 1 28 ins., dozen.....	80
Size 2 14 ins., dozen.....	65	Size 2 28 ins., dozen.....	90
Size 3 14 ins., dozen.....	75	Size 3 28 ins., dozen.....	1 00
Size 4 14 ins., dozen.....	80	Size 4 28 ins., dozen.....	1 10

N-4070 Catgut, Pyoktanin, formalized, sizes 00 to 4, length 14 ins., and 28 ins. Prices same as for plain Pyoktanin catgut.

N-4075 Catgut, Boeckmann's, dry sterilized, in envelopes, length 20 ins., sizes 10 to 20, dozen $0 65

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N-4080



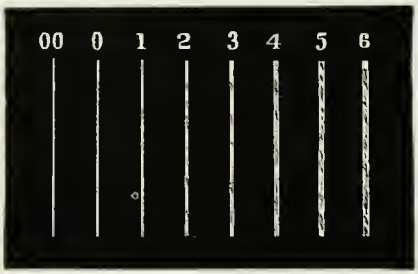
N-4085



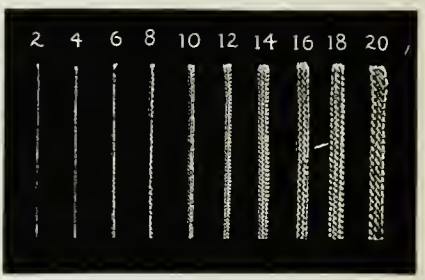
N-4090



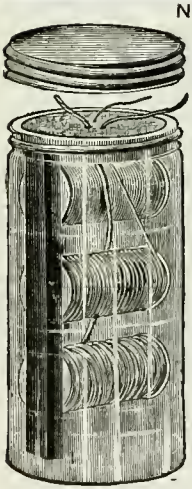
N-4095



N-5000



N-5005



N-5015

SUTURES—Continued

N-4080 Silkworm gut, highest grade, our own importation, carried in stock in five sizes, in bundles of 100 strands, B fine, per hundred $0 60. C medium per hundred $0 75. D coarse per hundred $1 00. E X-coarse per hundred $1 35. F XX-course per hundred $1 75

Silkworm gut, black iron dyed, medium per hundred $1 00; coarse per hundred..... 1 50

N-4085 Wire silk, Spechtenhauser's, made in eight sizes from 00 to 6, in coils about 9 ft long, from $0 35 to $0 90 per coil.

N-4090 Silver wire, pure, sold by weight only at the rate of $2 00 per oz. In coils of 1 yard each.

N-4095 Horse hair, dry, put up in boxes of 100 strands, 14 ins. per hundred $0 30, 20 ins. per hundred.. 40

Horse hair in bottles, 25 strands 25

N-5000 Raw catgut, carried in stock in eight sizes, in coils of 100 ft. each 00 $0 30, 0 $0 40, 1 $0 50, 2 $0 60, 3 $0 70, 4 $0 80, 5 $0 90, 6.. 1 00

When ordering raw catgut please specify whether polished or rough gut is wanted. We carry only the highest grade of imported German catgut.

N-5005 Illustrates approximately the sizes of braided silk.

N-5010 Braided silk on spools, 25 yds. on each spool. We carry in stock sizes as follows, No. 2 $0 35, No. 4 $0 45, No. 6 $0 55, No. 8 $0 70, No. 1 $0 85, No. 12..... $1 00

Sizes between and larger sizes can be furnished to order only.

N-5015 Silk, braided or twisted in patent package, three sizes in each package $0 50

Catgut, plain or chromotized, patent package, three sizes in each package..... 50

N-5015A Silk, braided or twisted, in tank package, three sizes in each package 65

Catgut, plain or chromotized, in tank package, three sizes in each package..... 65

N-5015B Obstetric tape, in envelopes, four tapes in each envelope, dozen envelopes 80

N-5015C Obstetric tape, in breakable glass tubes, dozen tubes..... 2 00



N-5015A

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-5025

SURGICAL DRESSINGS

N-5020 Gauze, plain, carried in stock in four grades, No. 1 in 100 yd. roll, $4 00; No. 2 in 100 yd. roll, $3 50; No. 3 in 100 yd. roll $3 00
No. 4 bandage gauze, approximately 44 by 40 threads to the square inch, 100 yd. roll 5 50
N-5020A Gauze, Belview rolls, 1x10 yds., for making bandages 65
N-5025 No. 2 illustrating 100 yd. package of gauze, No. 1, 2, 3, and 4.
No. 3 25 yd. package of gauze, No. 2 ..... 1 25
No. 4 5 yd. package of gauze, No. 2 30
No 6 1 yd. package of gauze, No. 2, each, $0 10; dozen 1 00
No. 5 gauze, iodoform, in glass jar, 5 yds. 5%, $1 25; 5 yds. 10% 1 35
No. 7 gauze, iodoform, in glass jar, 1 yd. 5%, $0 30; 1 yd. 10% 35
No. 8 and No. 9, absorbent cotton, regular good quality per lb., $0 30; best grade per lb., $0 35; half pound, $0 25; ¼ lb., $0 15; oz 05
N-5025A Lambs' wool, ¼ lb., $0 50; 1 lb 2 00
N-5025B Oakum, per lb 25

OWING TO THE CONTINUAL CHANGE OF PRICE ON COTTON, THE ABOVE PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-5030



N-5035



N-5040



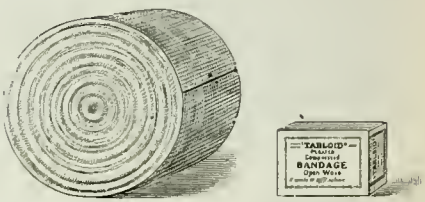
N-5045



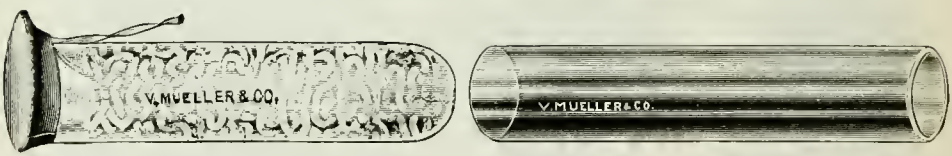
N-5050



N-5055



N-5055A



N-5055B N-5055C N-5055D

SURGICAL SUNDRIES

N-5030 Safety pins, three sizes, No. 1 per gross, $0 40; No. 2 and No. 3 per gross..... $0 45

N-5035 Adhesive plaster, Z. O. standard quality, 1 yd. X 7 ins., $0 35; 5 yds. X 7 ins., $1 50; 5 yds. X 12 ins..... 2 00

N-5040 Adhesive plaster, Z. O. or plain Surgeons, on spools, ½ in. X 10 yds., $0 40; 1 in. X 10 yds., $0 50; 1½ ins. X 10 yds., $0 60; 2 ins. X 10 yds., $0 70; 2½ ins. X 10 yds., $0 90; 3 ins. X 10 yds..... 1 10

N-5045 Plaster of Paris bandage, each 5 yds. long, sealed air tight packages or boxes, 1½ ins. wide, each $0 15; dozen, $1 50; 2 ins. wide, each $0 18; dozen, $1 80; 2½ ins. wide, each $0 21; dozen, $2 10; 3 ins. wide, each $0 24; dozen, $2 40; 3½ ins. wide, each $0 27; dozen $2 70; 4 ins. wide, each $0 30; dozen..... 3 00

N-5050 Muslin bandages, from 1 to 4 ins. wide, lb..... 70

N-5055 Gauze bandages, wrapped, 1 to 4 ins. wide, lb..... 70

N-5055A Zona compressed gauze bandages. The large illustration represents an ordinary gauze bandage, the smaller illustration represents the same bandage treated by the Zona method, 1 yd. X 10 yds., dozen $0 45; 2 yds. X 10 yds., dozen $0 65; 3 yds. X 10 yds., dozen..... 90

N-5055B Gauze packer strips, in glass tubes, ½ in. and 1 in. wide, each..... 25

N-5055C Xereform gauze, 10 mm. and 15 mm. wide, in 10 yd. rolls, each $0 30; 50 yd. rolls, each..... 1 50

N-5055D Catgut spools, glass, Presbyterian Hospital pattern, per gross..... 2 00

N-5055E Oiled silk, 1 yd. roll, $1 00; 5 yd. roll..... 4 50

N-5055F Oiled muslin, 1 yd. roll, $0 75; 5 yd. roll..... 3 25

N-5055G Gutta percha tissue, 1 yd package, $0 50; 5 yd. package..... 2 00

N-5055H Oiled dressing paper, 10 yd. roll, $0 35; 25 yd. roll..... 75

OWING TO THE CONTINUAL CHANGE OF PRICE ON BANDAGES, ETC., THE ABOVE PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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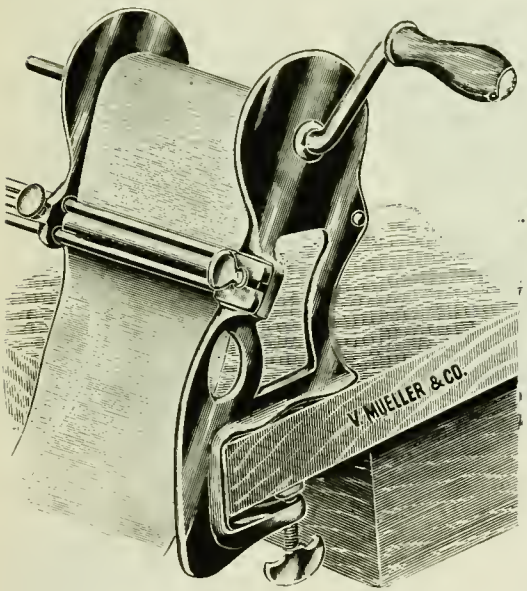

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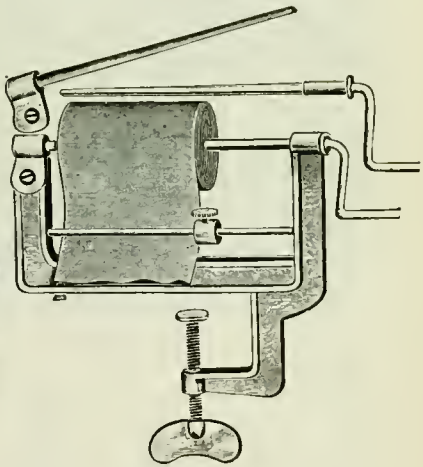
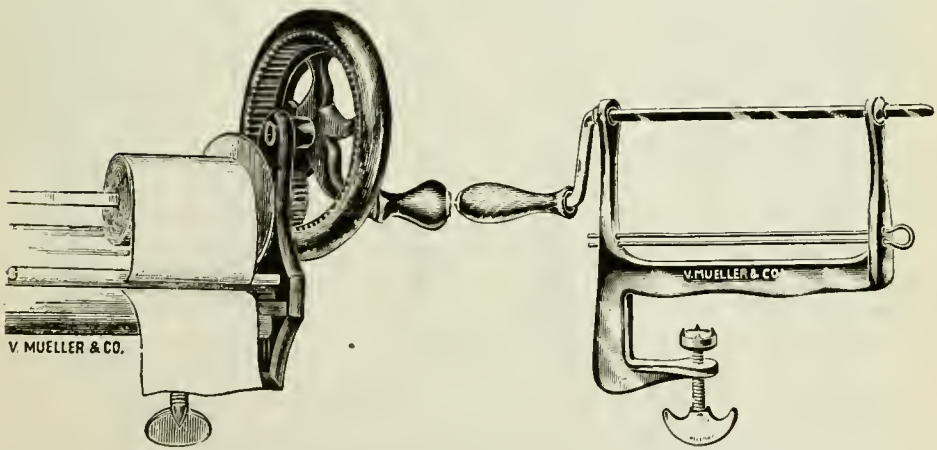


N-5065



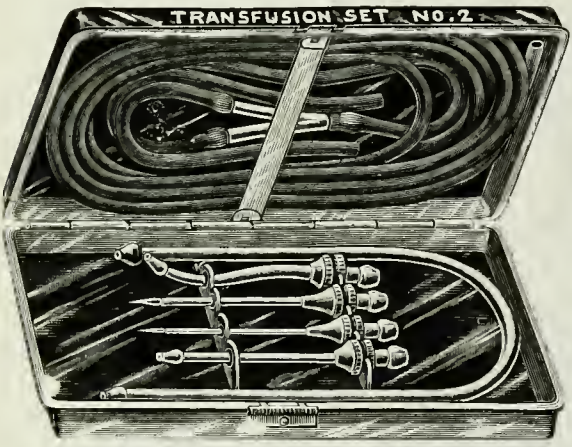
N-5075 N-5060

BANDAGE ROLLERS

N-5060	Bandage roller, plain japanned	$0 50
N-5065	Bandage roller, Pelton's	1 50
N-5070	Bandage roller, Jobse's, japanned, $1 50; nickel-plated	1 75
N-5075	Bandage roller, Crocker's, geared	3 50

Do not mutilate catalogue.—Specify section letter and number in ordering.

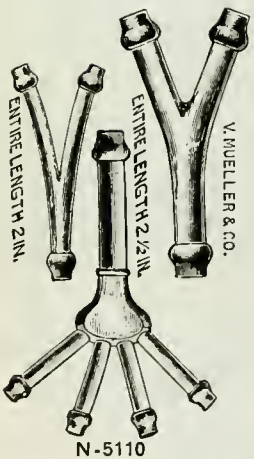
WEBSTER'S



N-5080



N-5085



N-5110



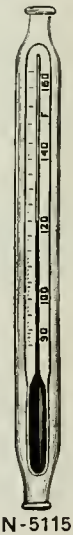
N-5095



N-5100



N-5105



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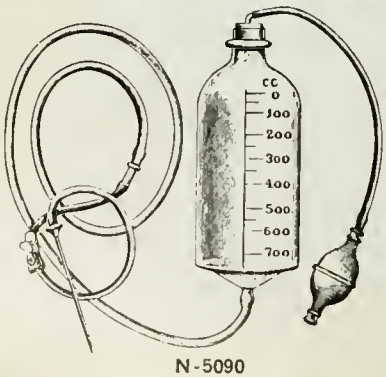
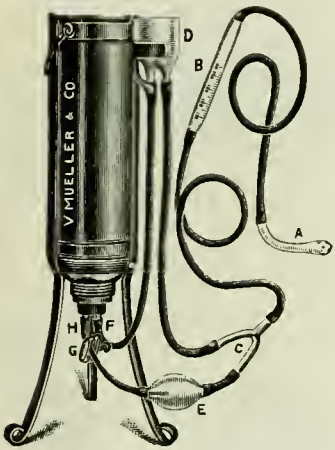


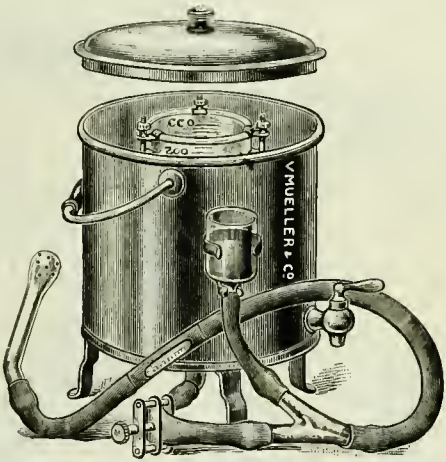
N-5090

TRANSFUSION APPARATUS

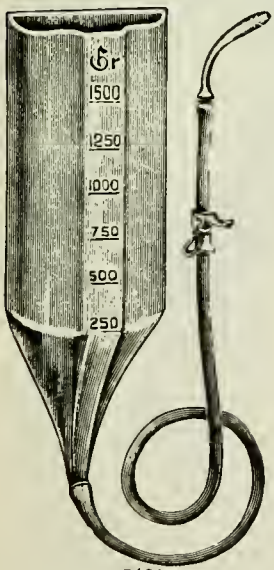
N-5080	Transfusion and infusion set, Webster's, in metal case, complete.....	$3 00
N-5085	Transfusion and infusion set, Webster's, in metal case, small, complete	1 75
N-5090	Infusion apparatus, Keliy's, complete..	3 00
N-5095	Saline infusion needle, furnished in three sizes, each.....	30
N-5100	Infusion tube, double curved, blunt end	50
N-5105	Infusion tube, Webster's, curved, probe pointed	35
N-5110	Infusion tube, four point, glass or metal, each.....	75
	Two points, large or small, glass or metal, each	35
N-5115	Infusion thermometer, showing temperature of salt solution while in use	1 50



N-5120



N-5125



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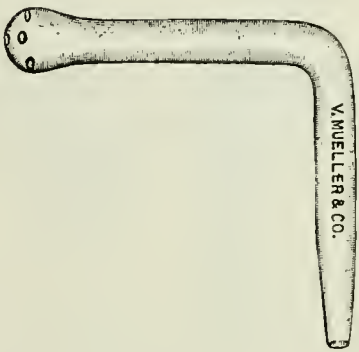

N-5135



N-5140

PROCTOCLYSIS APPARATUS

N-5120 Proctoclysis apparatus, Magnuson's, for the introduction of saline solution into the rectum, (so called Murphy treatment). This apparatus is very simple consisting of an inverted vacuum bottle which retains solution at an even temperature, complete $12 00

N-5125 Proctoclysis apparatus, Saxon's, for Murphy treatment, reprint of directions for use accompany every apparatus. This apparatus is substantially and scientifically made 12 00

N-5130 Proctoclysis apparatus, Murphy's with glass or hard rubber nozzle 3 25

N-5135 Saline injecting tube, Murphy's, glass, $0 35; hard rubber drilled out of solid rod according to Instruction, each 50

N-5140 Proctoclysis dropper, Scott's, by means of which the flow of the solution can be regulated to a nicety 75

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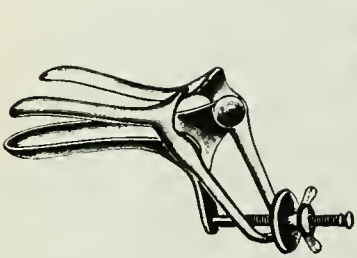
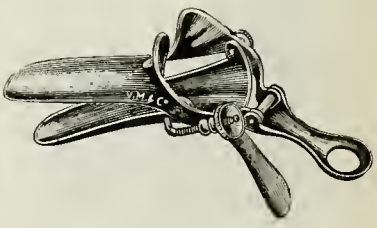

N-5145



N-5150



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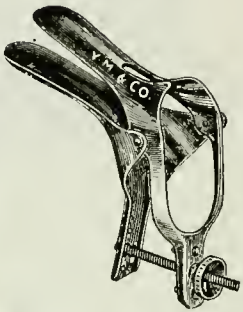
N-5160


N-5165



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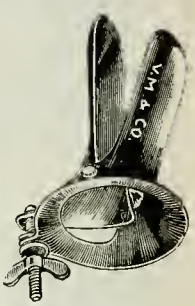
N-5175



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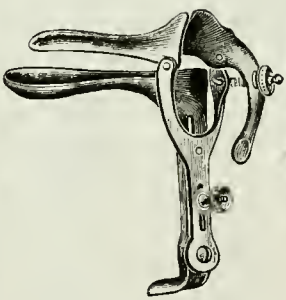
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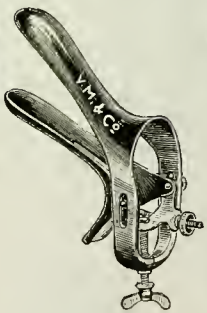
N-5195



N-5205



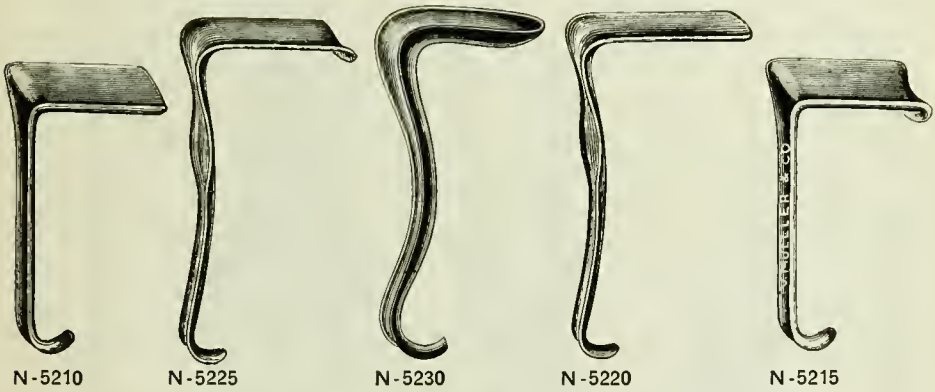
N-5200

VAGINAL SPECULA

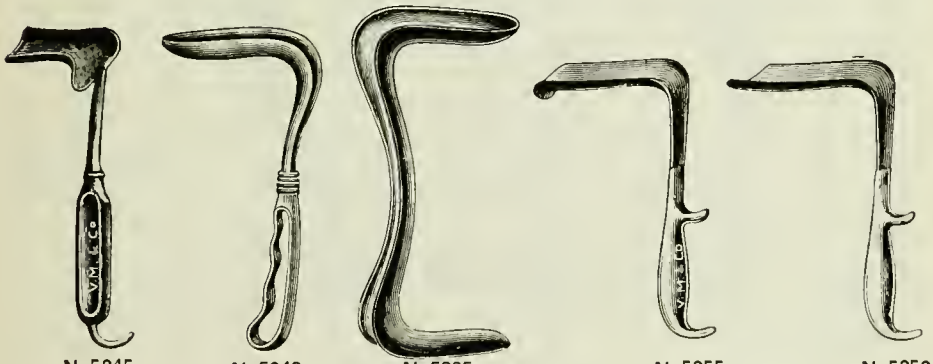
N-5145	Vaginal speculum, Nott's, made in three sizes, each	$1 75
N-5150	Vaginal speculum, Beebe's, lateral	2 25
N-5155	Vaginal speculum, Cusco's	2 00
N-5160	Vaginal speculum, Collin's, three sizes, each	1 75
N-5165	Vaginal speculum, Taylor's	1 25
N-5170	Vaginal speculum, Brewer's	1 75
N-5175	Vaginal speculum, Thomas-Cusco's, with folding handle	2 25
N-5180	Vaginal speculum, Highle's, three sizes, each	1 50
N-5185	Vaginal speculum, Pilling-Miller's, parallel, three sizes, each	1 50
N-5190	Vaginal speculum, Graves', three sizes, each, $1 50; extra large size	1 75
N-5195	Vaginal speculum, Cavanaugh's, regular, $2 00; operating	2 50
N-5200	Vaginal speculum Miller's, three sizes, each	1 50
N-5205	Vaginal speculum, Hale's, two sizes, each	2 50

Practically all of our vaginal speculums are made of wrought metal, therefore years of repeated boiling will not make them rough and porous as is the case with ordinary speculums made of cheap brass casting.

Do not mutilate catalogue.—Specify section letter and number in ordering.

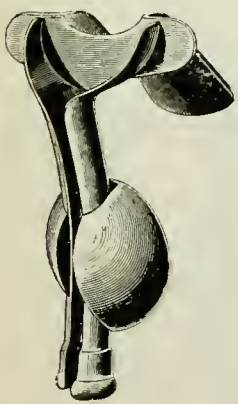


N-5210 N-5225 N-5230 N-5220 N-5215



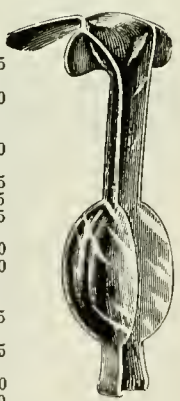
N-5245 N-5240 N-5235 N-5255 N-5250

VAGINAL SPECULA AND RETRACTORS



N-5270

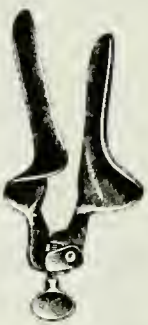
N-5210	Retractor, Jackson's, bull dog, No. 1 blade 3⅛ ins. long 1¾ in. wide. No. 2 4x1¾, No. 3 4½x1¾, each	$1 35
N-5215	Retractor, Eastman's, bull dog, dimensions same as above, each	1 50
N-5220	Retractor, Jackson's, six sizes, 1⅜x3 ins., 1⅜x3½ ins., 1⅜x4 ins., 1½x3 ins., 1½x3½ ins., 1½x4 ins., each	1 10
N-5225	Retractor, Eastman's, six sizes, dimensions same as above, each	1 25
N-5230	Retractor, Sim's, three sizes, each	1 35
N-5235	Speculum, Sim's, five sizes, each	1 25
N-5240	Retractor, Kelly-Sim's, three sizes, each	1 50
N-5245	Retractor, Martin's	1 50
N-5250	Retractor, Doyen's, six sizes, 2⅜x2⅜ ins., 2⅜x4 ins., 2⅜x4¾ ins., 1¾x2⅜ ins., 1¾x4 ins., 1¾x4¾ ins., each	2 75
N-5255	Retractor, Doyen-Kelly's, six sizes, dimensions same as above, each	2 75
N-5260	Specula welghted, Garrlguc's, not illustrated	2 50
N-5265	Specula, welghted, Auvard's	3 00
N-5270	Specula, welghted, Auvard's, latest model, with wide blade and removable weight	$4 50

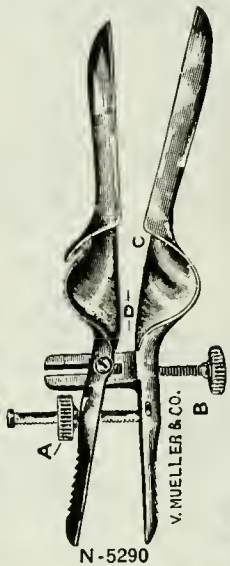


N-5265

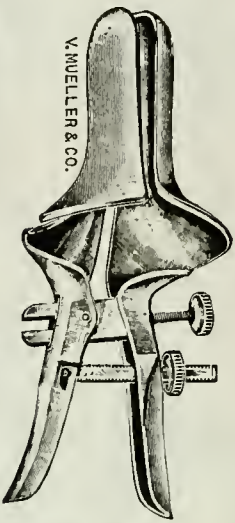
Do not mutilate catalogue.—Specify section letter and number in ordering.


N-5310

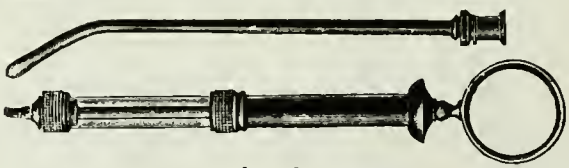

N-5300

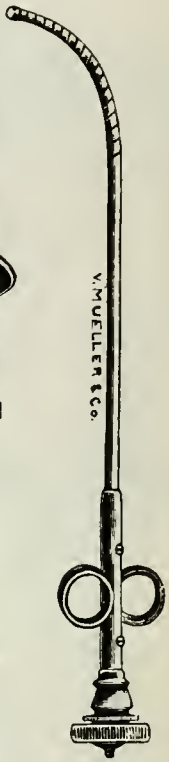


N-5290



N-5285


N-5305



N-5315

SPECULA, ELEVATORS, TENTS, ETC.


N-5280

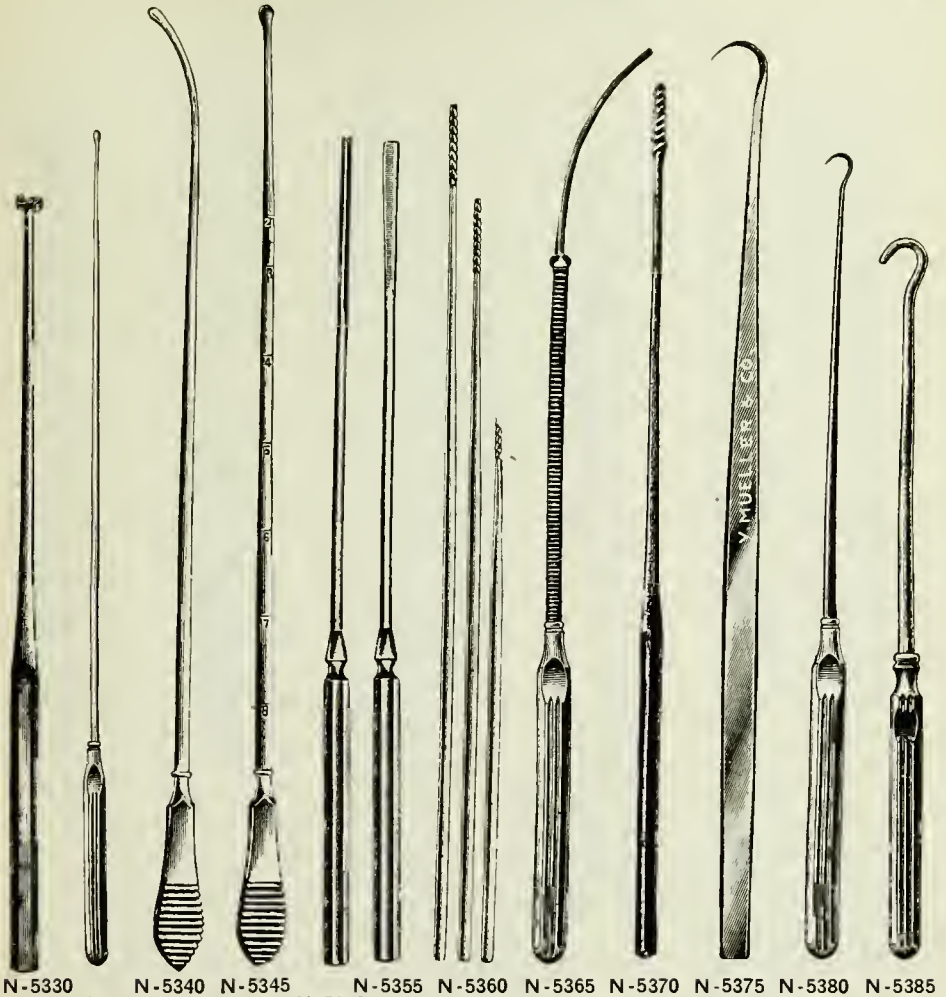

N-5320

N-5275	Speculum, Graves', operating	$2 75
N-5280	Speculum, Rockey's, self-retaining, operating	2 50
N-5285	Speculum, DeVilbiss', parallel opening, operating	1 50
N-5290	Speculum, vaginal, De Vilbiss', three sizes, each	1 50
N-5300	Speculum, Fosgate's, vaginal	2 00
N-5305	Syringe, uterine, Brown's	1 25
N-5310	Sound, Jenk's, spiral	2 00
N-5315	Elevator, Elliott's, all metal spiral	2 50
N-5320	Tents, sea-tangle, dozen, $0 75; hollow, dozen	90
N-5325	Tents, tupelo, dozen, $0 75; hollow, dozen	90
N-5325A	Tents sponge, dozen, $0 75; curved, dozen	1 50


N-5325


N-5275

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-5330 N-5335 N-5340 N-5345 N-5350 N-5355 N-5360 N-5365 N-5370 N-5375 N-5380 N-5385

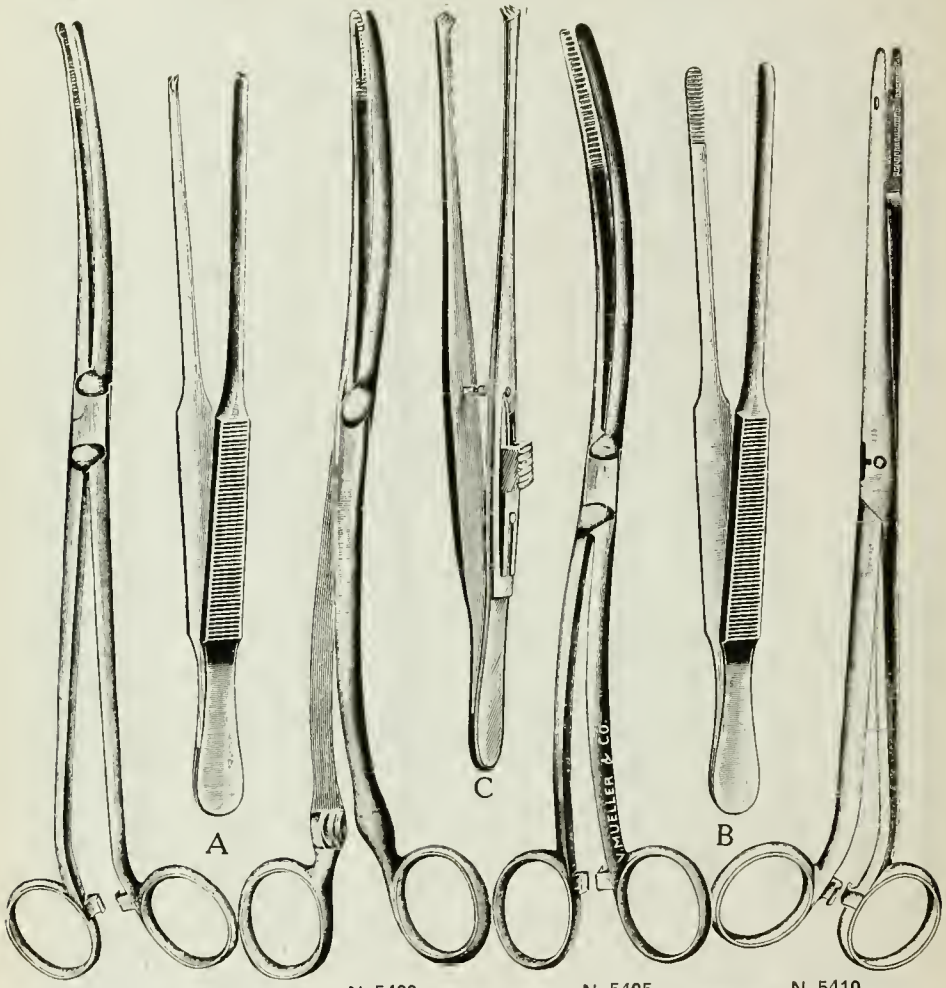


N-5390

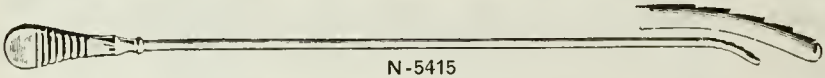
APPLICATORS, PROBES, TENACULAS

N-5330	Wire twister, Bozeman's	$1 25
N-5335	Probe, fine silver	65
N-5340	Probe, copper, silver or nickel-plated	35
N-5345	Probe, Simpson's, graduated, silver or nickel-plated	40
N-5350	Applicator, with triangular or spiral end	25
N-5355	Applicator, aluminum or copper, flat end, each	25
N-5360	Applicator, aluminum, spiral end, 6, 8 and 9 ins. long, each	10
N-5365	Applicator, with slide	45
N-5370	Tampon screw, nickel-plated	50
N-5375	Tenacula, sharp, Ochsner's	60
N-5380	Tenacula, sharp, Pratt's	50
N-5385	Hook, blunt, Pratt's	50
N-5390	Gauze packer, uterine, two sizes, each	75

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-5395 N-5400 N-5405 N-5410



N-5415

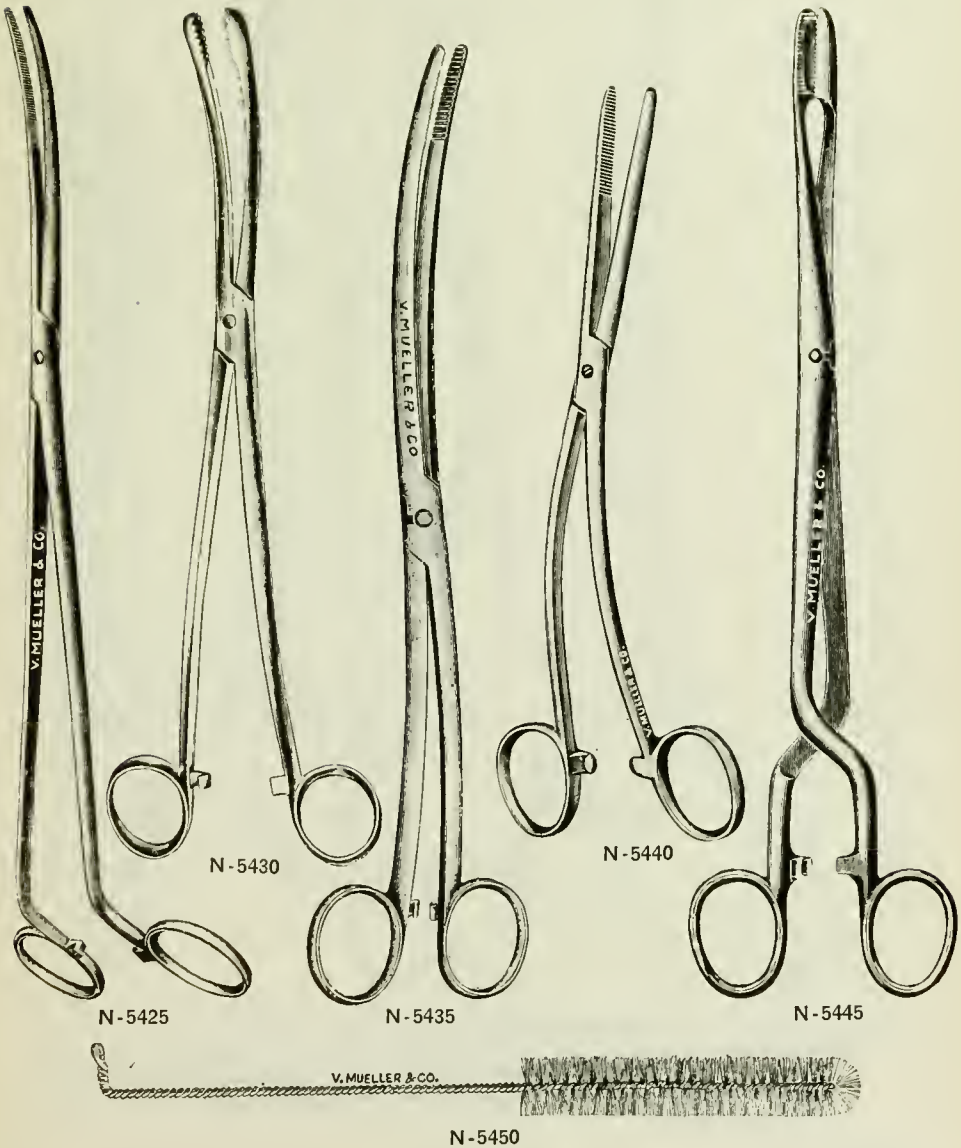


N-5420

UTERINE DRESSING FORCEPS AND PACKERS

N-5395	Forceps, uterine dressing, Thomas', 9½ ins.	$1 50
N-5400	Forceps, uterine dressing, Byford's, 10 ins.	1 50
N-5405	Forceps, uterine dressing, Bozeman's, Collins' lock.	1 35
N-5410	Forceps, uterine dressing, Elliott's, 9½ ins.	1 50
N-5410A	Forceps, spring, tissue, mouse tooth, 8 ins.	1 00
N-5410B	Forceps, spring, tissue, serrated, 8 ins.	90
N-5410C	Forceps, spring, tissue, with slide, mouse tooth, four and five teeth, 8 ins.	1 60
N-5415	Packer, uterine, Bernay's	40
N-5420	Packer, uterine, Kelly's	50

Do not mutilate catalogue.—Specify section letter and number in ordering.



UTERINE DRESSING FORCEPS, ETC.

N-5425	Dressing forceps, uterine, Harvey's, 10 ins.	$1 75
N-5430	Dressing forceps, uterine, De Lee's, heavy	2 00
N-5435	Dressing forceps, uterine, Bozeman's, with slide or screw lock	1 35
N-5440	Dressing forceps, uterine, Barrett's, 3¼ ins.	1 50
N-5445	Dressing forceps, uterine, Kuechenmeister's, 10¼ ins.	2 00
N-5450	Cervix brush, Newton's	20

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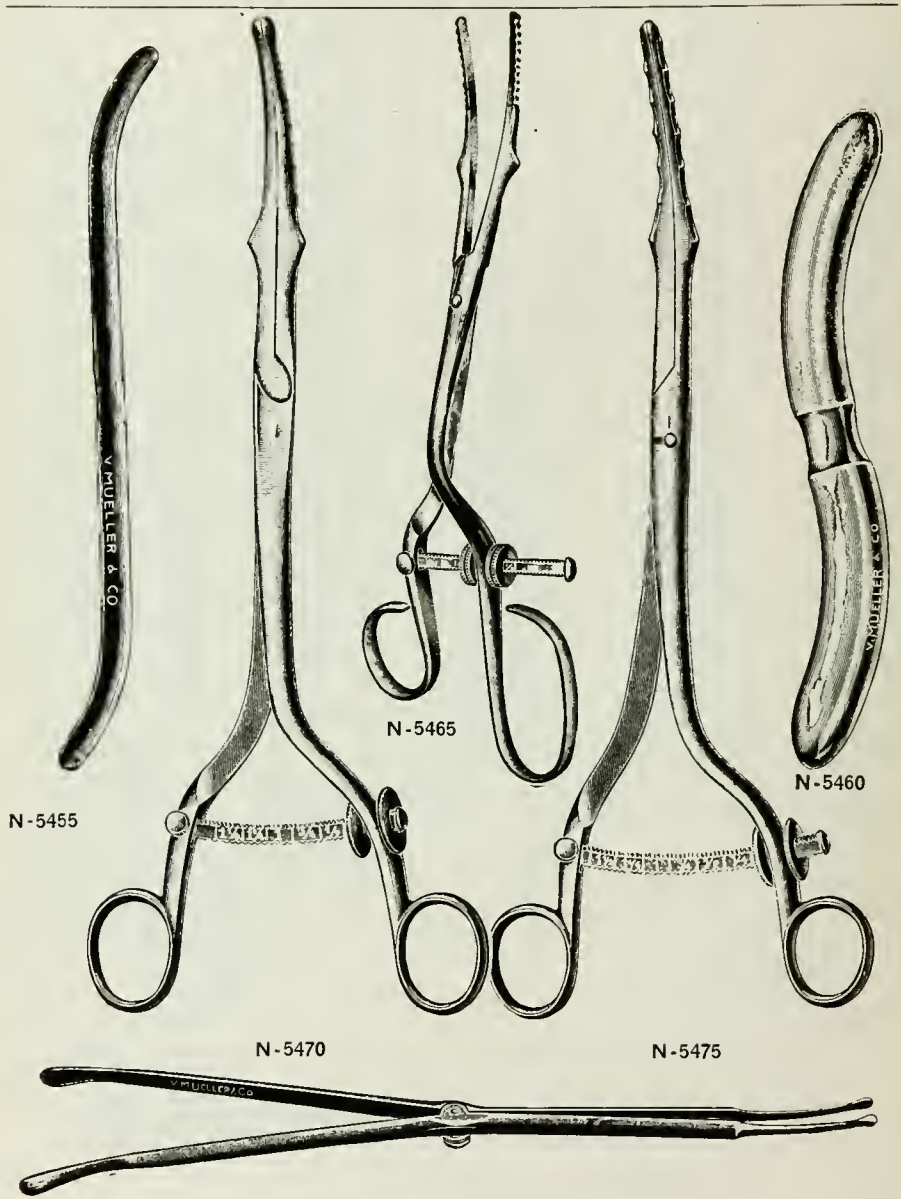

UTERINE DILATORS AND SOUNDS

N-5455	Sound, Pratt's, double ended, seven in set, 14 sizes, each	$0 60
N-5460	Dilator, Kelly's, sizes 5 to 20 mm. eight in set. 16 sizes, solid, each $0 90; hollow, each	1 40
N-5465	Dilator, Palmer-Littauer	3 50
N-5470	Dilator, Palmer's, with smooth end, 10½ ins.	2 50
N-5475	Dilator, Palmer's, with fluted end, 10½ ins.	2 50
N-5480	Dilator, Starlinger's, double ended, two sizes, 12 ins.	2 00

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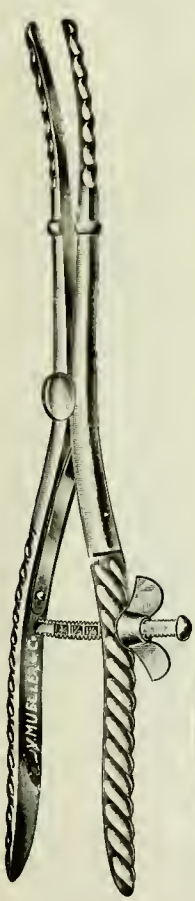
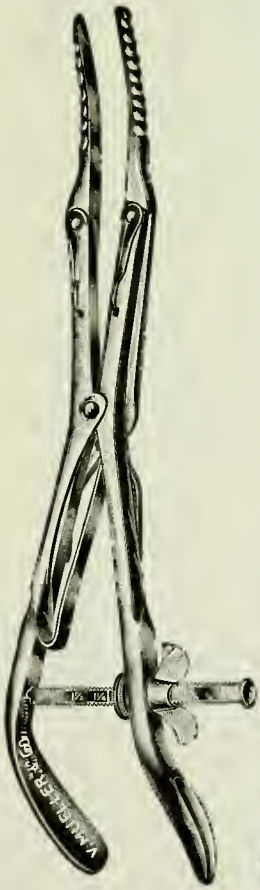


N-5490



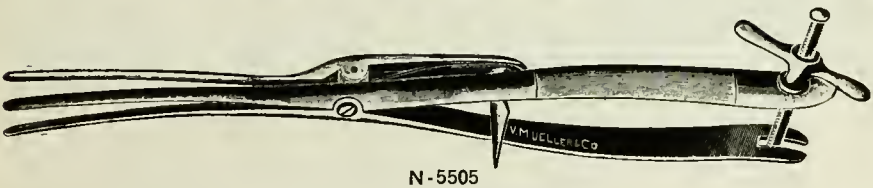
N-5500



N-5495



N-5485

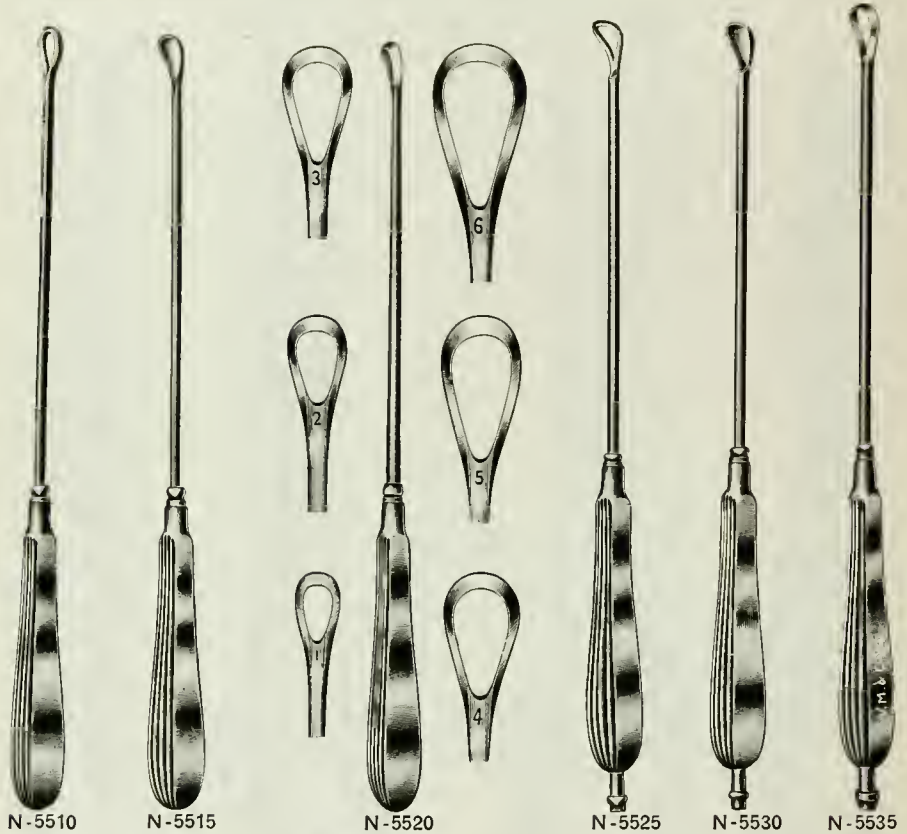


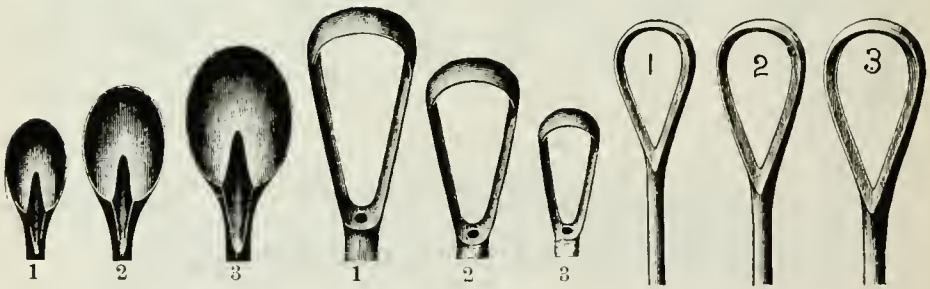
N-5505

UTERINE DILATORS

N-5485	Dilator, Wylie's, fluted or plain ends, 12 ins	$2 00
N-5490	Dilator, Wylie's, with gauge, fluted or plain ends	2 50
N-5495	Dilator, Wathen's, 12 ins	3 00
N-5500	Dilator, Goodell's. The latest improved model is slightly different from the illustration. Made in two sizes 11 ins., and 13 ins., each	5 00
N-5505	Dilator, Sim's, three bladed, 10½ ins	8 00

Do not mutilate catalogue.—Specify section letter and number in ordering.





UTERINE CURETTES

N-5510	Curette, uterine, Thomas', blunt, three sizes, each	$0 90
N-5515	Curette, uterine, Skeene's, spoon shaped, three sizes, blunt, each	1 00
N-5520	Curette, uterine, Sim's, sharp, six sizes, each	1 00
N-5525	Curette, uterine, irrigating, blunt, each	1 25
N-5530	Curette, uterine, irrigating, spoon shaped, blunt	1 25
N-5535	Curette, uterine, irrigating, sharp, three sizes, like Fig. N-5535A, each	1 50
N-5540	Curettes, spoon shaped, sharp, Byford's, with handle like Fig. N-5510, each	1 15
N-5545	Illustration showing actual sizes of curette described under Fig. N-5510.	

All curettes are furnished with flexible shanks, unless specified otherwise.

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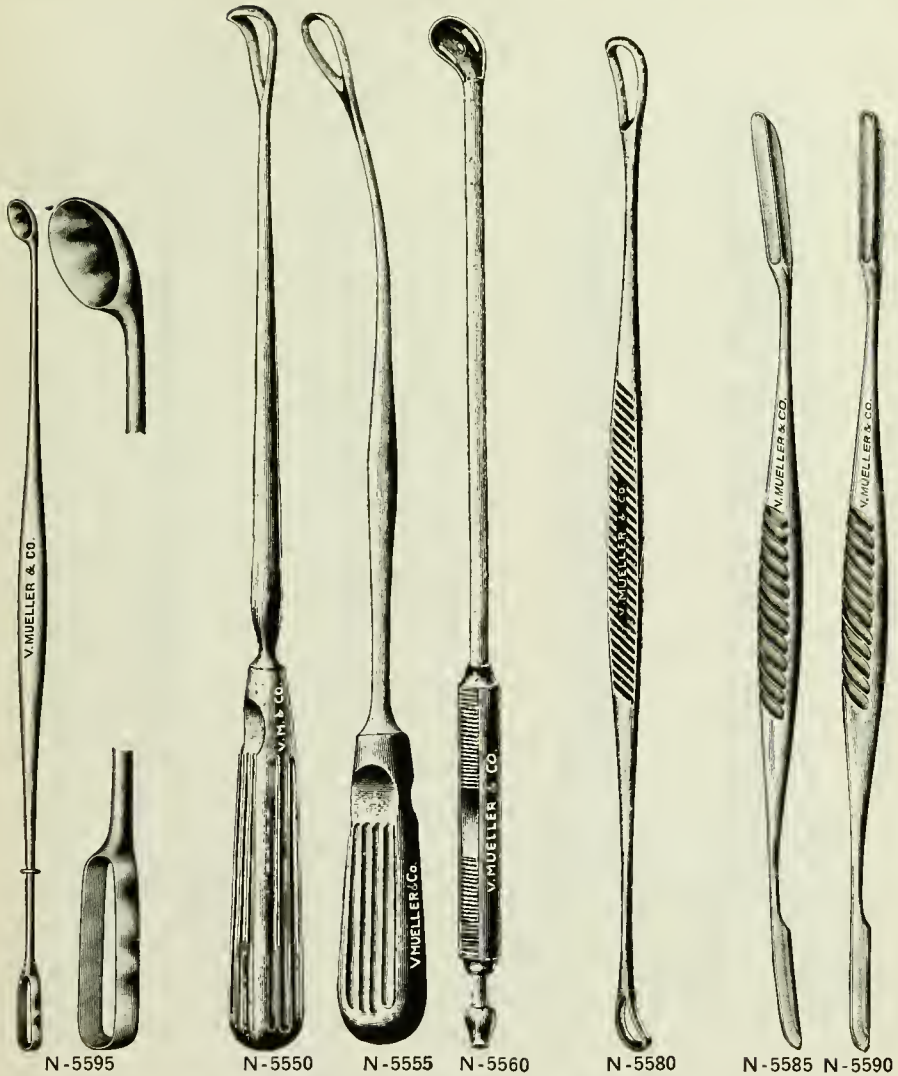

N-5595 N-5550 N-5555 N-5560 N-5580 N-5585 N-5590

UTERINE CURETTES—Continued

N-5550	Curette, uterine, Winter's, sharp	$1 75
N-5555	Curette, uterine, Wylie's, sharp, three sizes, each	1 75
N-5560	Curette, uterine, Goldstein's, blunt, irrigating, made in three sizes, each	1 50
N-5565	Curette, uterine, spoon shaped, 10½ ins., not illustrated	1 00
N-5570	Curette, uterine, large spoon shaped, 10½ ins., not illustrated	1 50
N-5575	Curette, uterine, Thomas', blunt, ordinary, not illustrated	60
N-5580	Curette, uterine, Blake's, double ended, 10½ ins	1 25
N-5585	Curette, uterine, Martin's, double ended, can be furnished sharp or blunt, curved, each	1 50
N-5590	Curette, uterine, Roux', double ended, can be furnished sharp or blunt, straight, each	1 50
N-5595	Curette, uterine, Clarence Webster's, double ended, fenestrated on one end, scoop shaped on the other, sharp	2 50

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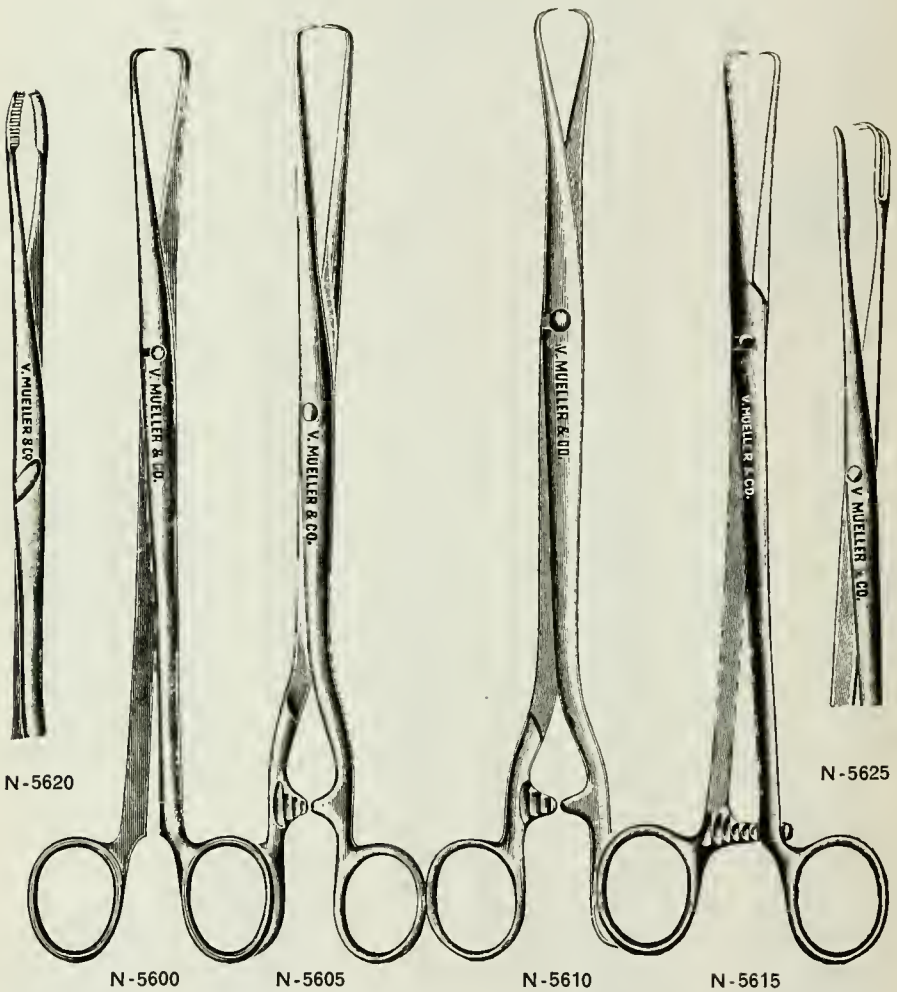
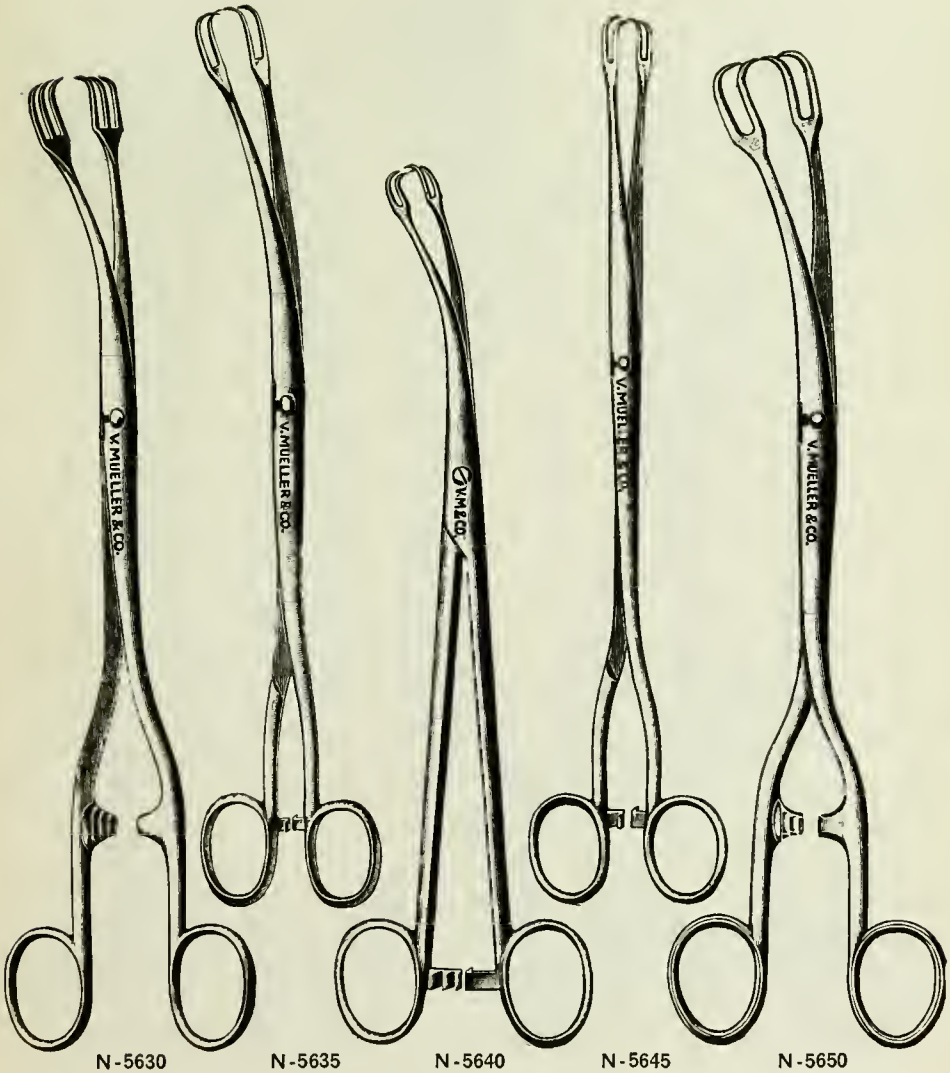


TENACULA AND BULLET FORCEPS

N-5600	Bullet forceps, Tiemann's, 9½ ins	$1 50
N-5605	Tenaculum forceps, Brown's, 9½ ins	1 65
N-5610	Tenaculum forceps, Schroeder's, 9 ins., and 9½ ins., each	1 65
N-5615	Tenaculum forceps, Pozzi's, 9½ ins	2 00
N-5620	Bullet forceps, Collin's, 9 ins	1 50
N-5625	Tenaculum forceps, Schultze's, 10¼ ins	3 00

Tenaculum forceps N-5605, N-5610 are kept in stock with slide lock and with screw lock.

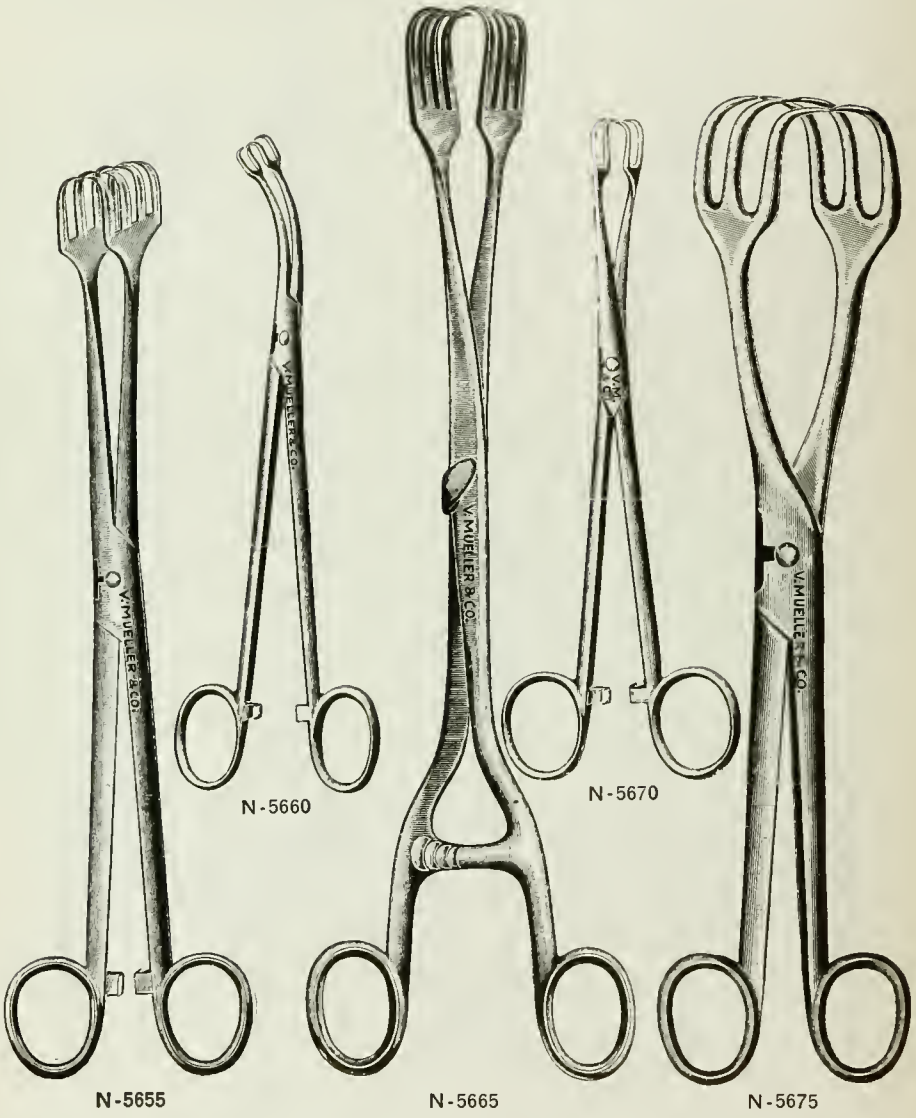


VULSELLUM FORCEPS

N-5630 Vulsellum forceps, Lange's, curved sidewise, six pronged, 10 ins..... $2 25
N-5635 Vulsellum forceps, curved sidewise, four pronged, light pattern, 9½ ins..... 1 50
N-5640 Vulsellum forceps, Museux', curved sidewise, four pronged, 9 ins..... 1 60
N-5645 Vulsellum, forceps, stralght, light pattern, four pronged, 9½ ins..... 1 50
N-5650 Vulsellum forceps, Schroeder's, curved sidewise, heavy, four pronged, 10 ins..... 2 00

Vulsellum forceps, Flg. N-5635, N-5640 and N-5650 are kept in stock with slide lock and with screw lock.

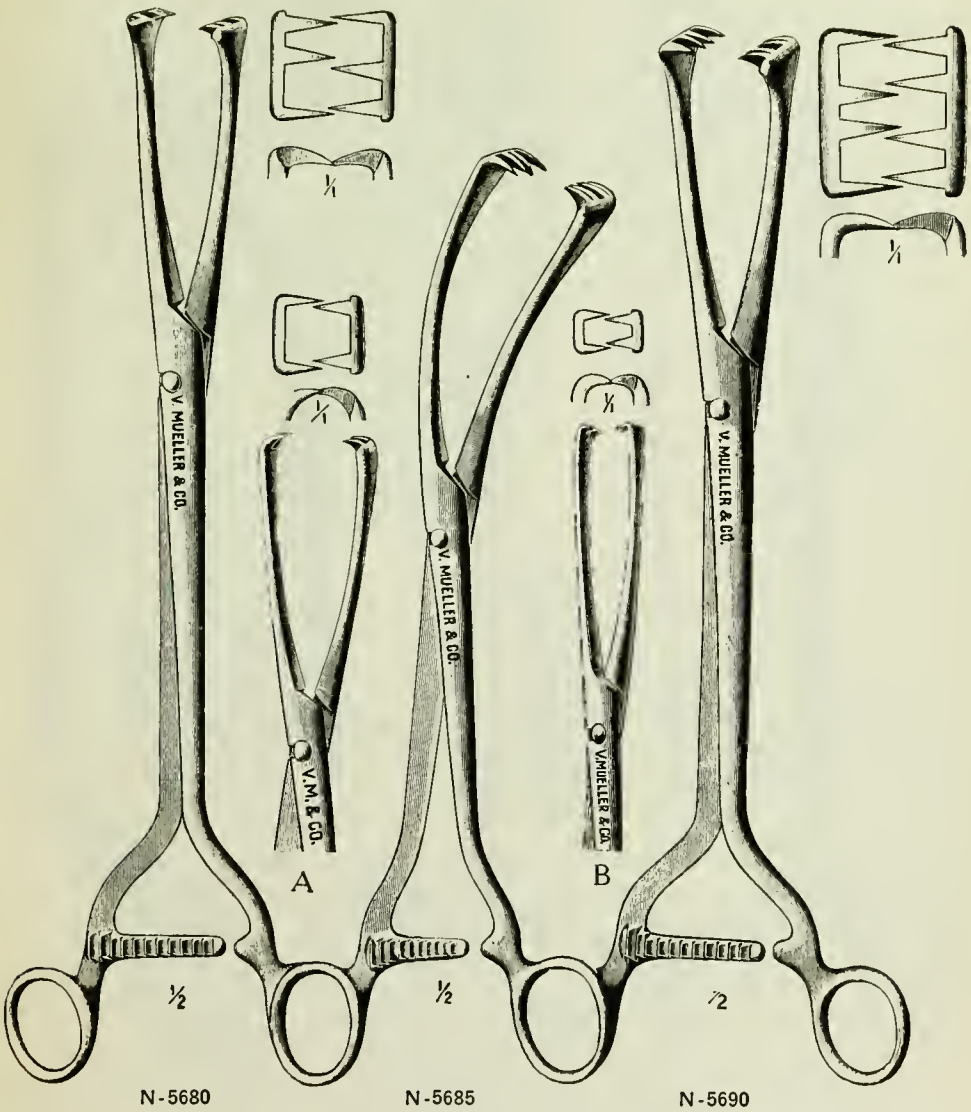
Do not mutilate catalogue.—Specify section letter and number in ordering.



VULSELLUM FORCEPS—Continued

N-5655	Vulsellum forceps, Chassaignac's, eight pronged, 9½ ins.	$2 50
N-5660	Vulsellum forceps, Hartmann's, curved sidewise, four pronged, 7 ins.	1 50
N-5665	Vulsellum forceps, Museux', small, straight, four pronged, 7 ins.	1 50
N-5670	Vulsellum forceps, Billroth's, eight pronged, 11 ins.	3 00
N-5675	Vulsellum forceps, Billroth's, heavy for tumors, six pronged, 10¾ ins.	3 75

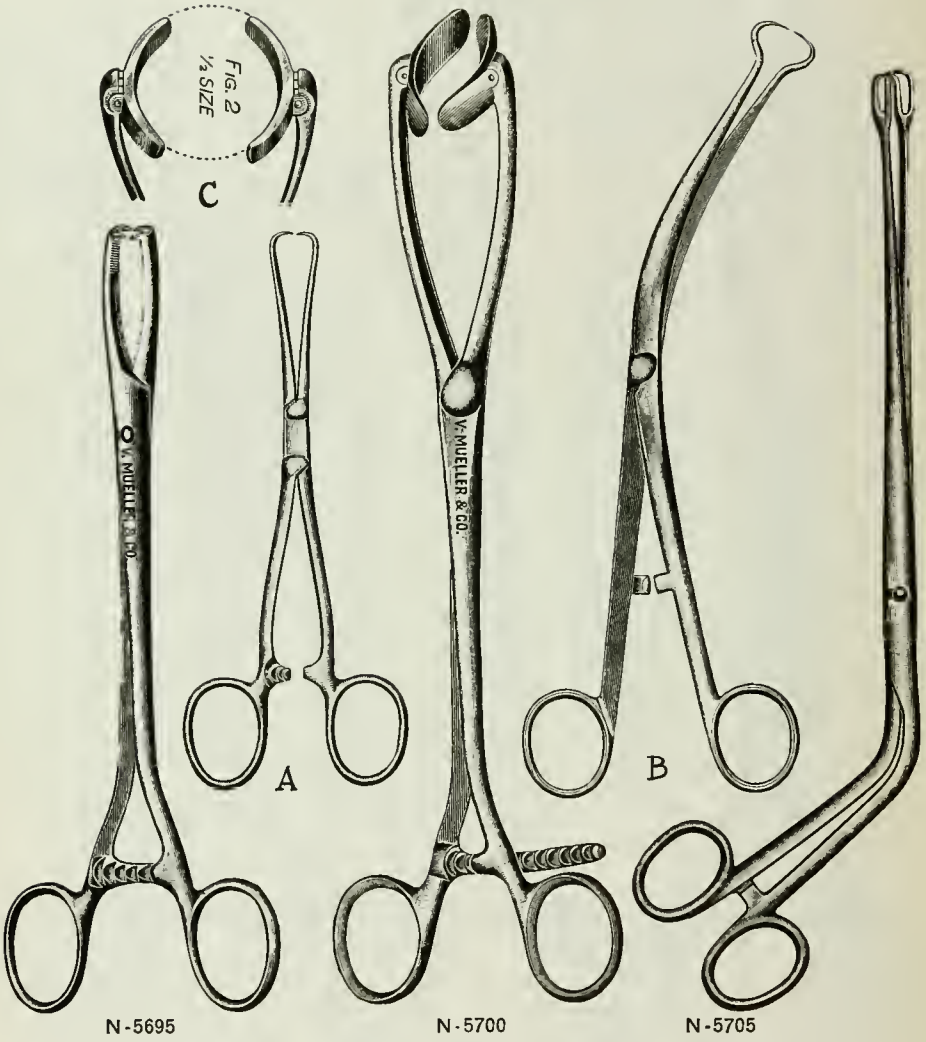
Do not mutilate catalogue.—Specify section letter and number in ordering.



VULSELLUM FORCEPS—Continued

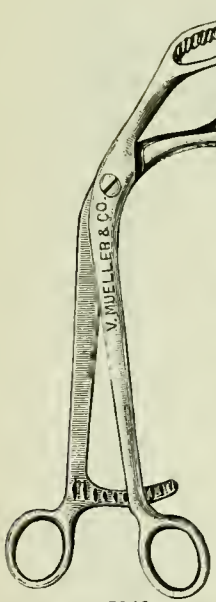
N-5680	Vulsellum forceps, Collin's, heavy, six pronged, 10 ins.	$3 25
N-5685	Vulsellum forceps, Collin's, heavy, curved, 10 ins., four pronged, $2 50; six pronged, $3 00; eight pronged	3 50
N-5690	Vulsellum forceps, Collin's, heavy for tumor, eight pronged. 10 ins.	3 50
N-5690A	Vulsellum forceps, Richelot's, straight, four pronged, 10 ins.	2 75
N-5690B	Vulsellum forceps, Richelot's, light pattern, straight or curved, four pronged, 9½ ins.	2 50

Do not mutilate catalogue.—Specify section letter and number in ordering.

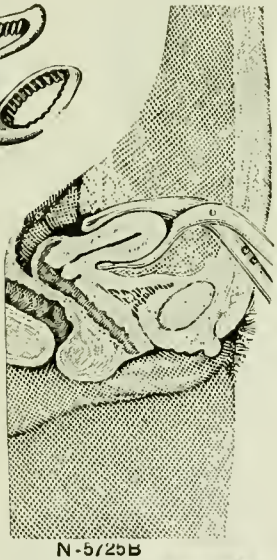


VULSELLUM AND UTERINE TRACTION FORCEPS

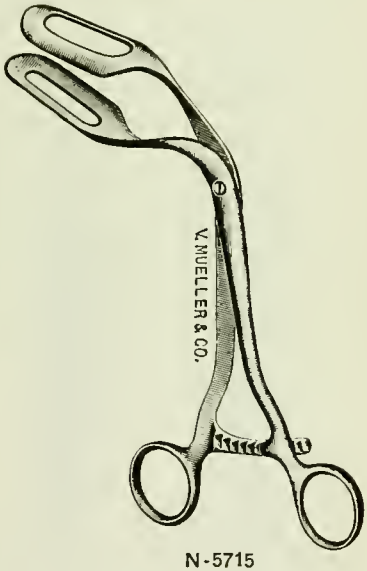
N-5695 Vulsellum forceps, Jacob's, four pronged, 8½ ins..... $2 00
N-5700 Uterine traction forceps, Collin-Webster's, 10 ins..... 4 50
Fig. C illustrating Collin-Webster's forceps open. Illustration ½ actual size.
N-5705 Vulsellum forceps, Leonard's, curved handle, four pronged, 10 ins..... 2 00
N-5705A Tenaculum forceps, Ferguson's, 5¾ ins., with screw lock or Collin's lock..... 1 50
N-5705B Tenaculum forceps, Skene's, curved sidewise, 9 ins..... 1 50



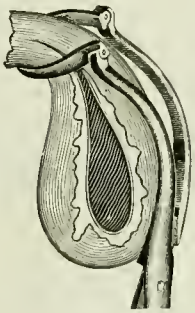
N-5710



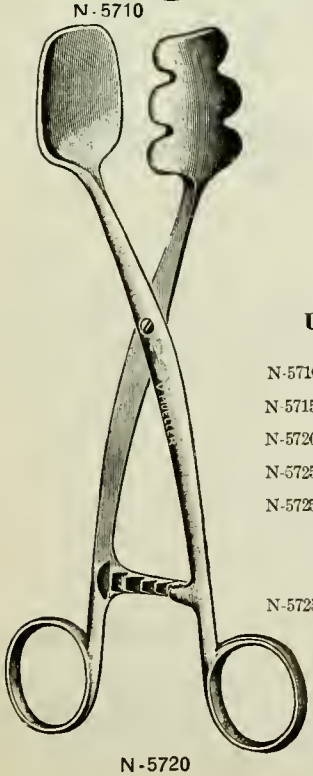
N-5725B



N-5715



N-5725A



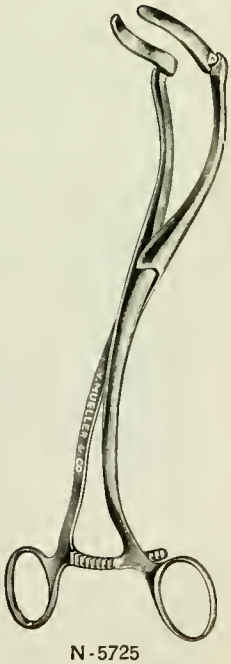
N-5720

UTERINE TRACTION AND ELEVATING FORCEPS

N-5710	Uterine traction forceps, Summer's	$5 00
N-5715	Uterine elevating and traction forceps, Berry's	5 00
N-5720	Uterine elevating forceps, Barrett's	3 50
N-5725	Uterine traction forceps, A. Miles Taylor's	5 00

N-5725A Illustrates the use of the A. Miles Taylor traction forceps. This has been pronounced by the surgeons who are using it, the best forceps of this type.

N-5725B Illustrates the application of Summer's and Berry's uterine traction forceps.



N-5725

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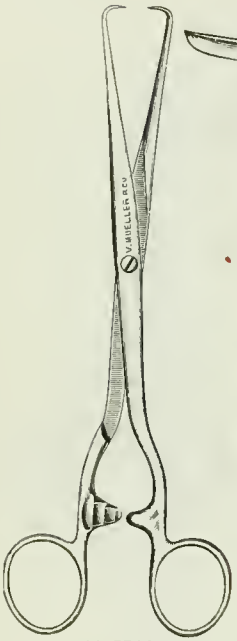
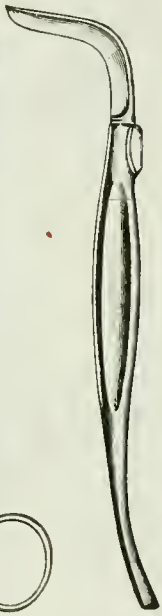


N-5730



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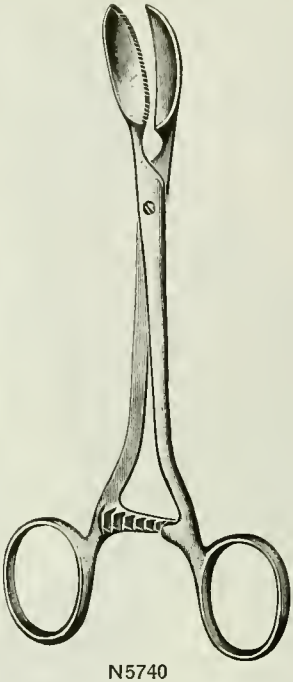

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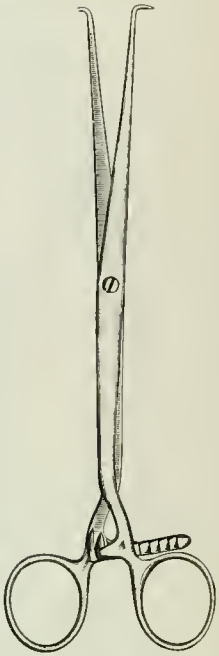

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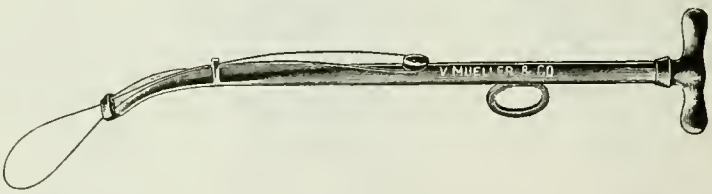
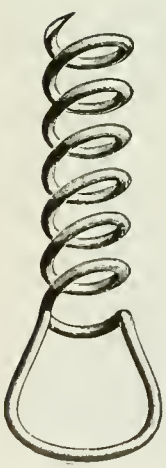


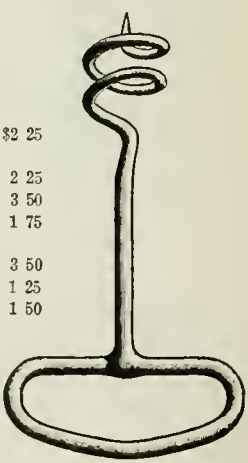
N-5750

TENACULA OVARIAN FORCEPS, ETC.

N-5730	Tenaculum forceps, Barrett's, light pattern, 7 ins.	$2 25
N-5735	Tenaculum forceps, Barrett's, double acting, 7 ins.	2 25
N-5740	Ovarian forceps, Barrett's	3 50
N-5745	Knife, for cervical amputation, Barrett's	1 75
N-5750	Ecraseur, Smith's, straight or curved, each	3 50
N-5755	Tumor screw, Delagenière's, 4½ ins.	1 25
N-5760	Tumor screw, Doyen's, 5 ins.	1 50



N-5755



N-5760

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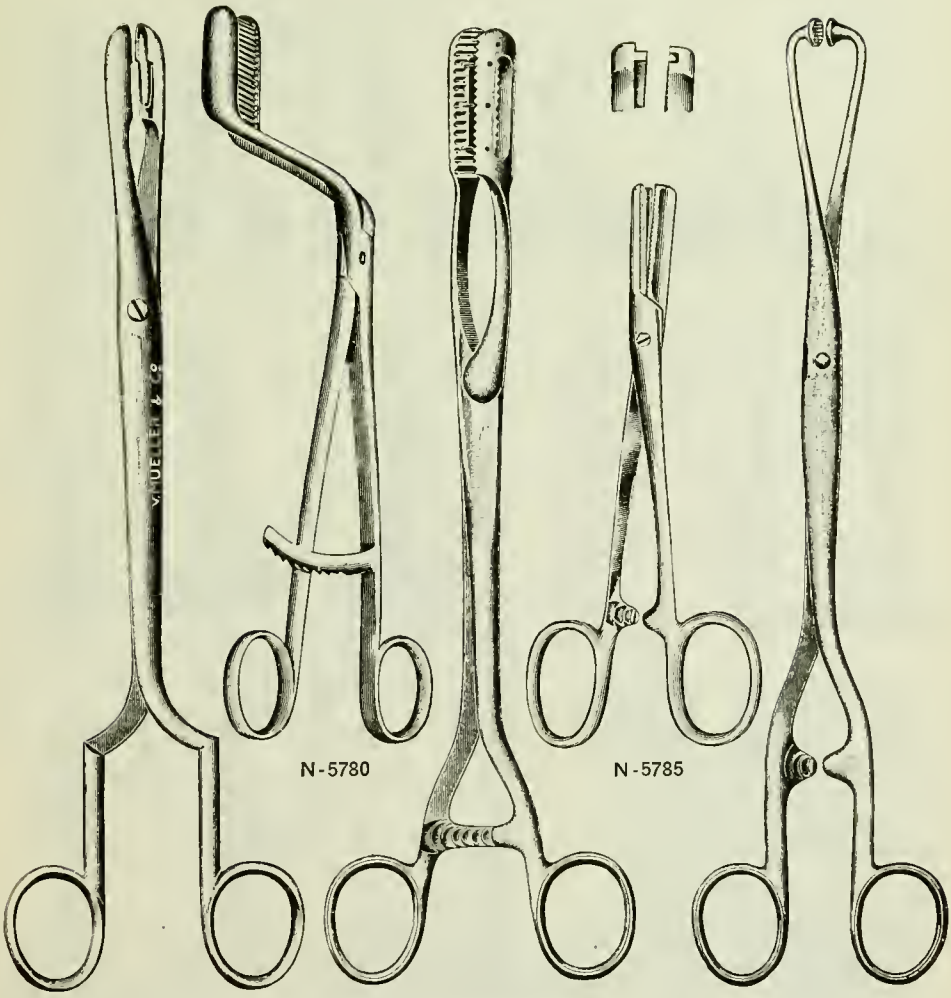

TUMOR FORCEPS AND CLAMPS

N-5765	Tumor forceps, cutting edge, Schultze's, 10 ins	$2 35
N-5770	Morcellation forceps, Segond's 10 ins	4 00
N-5775	Dressing forceps Abel's, 9 ins	2 50
N-5780	Gall bladder clamp, Murpby's	3 75
N-5785	Angiotribe, Ferguson's, 7¾ ins., straight, $1 99; curved	2 00
N-5790	Invaginating forceps, for appendix, Van Meter's	1 75

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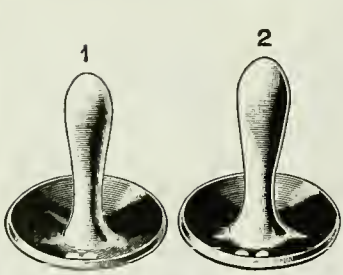
N-5795



N-5810


N-5800



N-5825



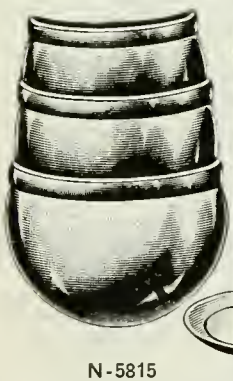
N-5830


N-5835


N-5840


N-5845


N-5850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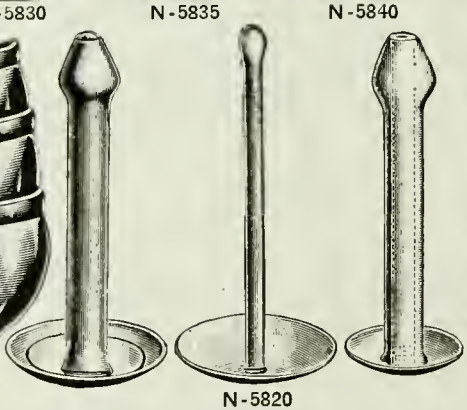
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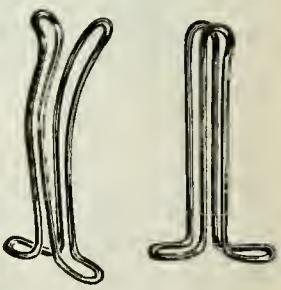

N-5805

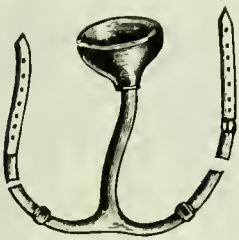
UTERINE STEMS AND PESSARIES

N-5795	Stem pessary, Chamber's, self-spreading, hard rubber	$0 75
N-5800	Stem pessary, Chamber's, self-spreading, metal, plated	75
N-5800A	Introducer for Chamber's stem pessary, not illustrated	1 00
N-5805	Stem pessary, Outerbridge's, dilating, made in three sizes, straight and curved, nickel-plated, each	35
N-5805A	Introducer for Outerbridge's stem pessary, not Illustrated	1 25
N-5810	Stem pessaries, aluminum, made in four sizes, each $0 25; made in hard rubber, each $0 50; introducer for aluminum stem pessary, each	50
N-5815	Pessaries, aluminum cup, made in three sizes, each	35
N-5820	Pessary and drainage tube, Carsten's, aluminum	1 00
N-5825	Stem pessary, Jackson's, hard rubber	50
N-5830	Stem pessary, Jackson's, soft rubber	40
N-5835	Stem pessary, Thomas', glass	25
N-5840	Stem pessary, Cole's, hard rubber	25
N-5845	Stem pessary, Boldt's, hard rubber	60
N-5850	Stem pessary, Wylie's, three sizes, 18, 22 and 25 Fr. scale, each	50

Do not mutilate catalogue.—Specify section letter and number in ordering.


N-5855


N-5860


N-5875


N-5780


N-5885


N-5890


N-5895


N-5900


N-5905


N-5910


N-5915


N-5920


N-5925


N-5930


N-5940


N-5945

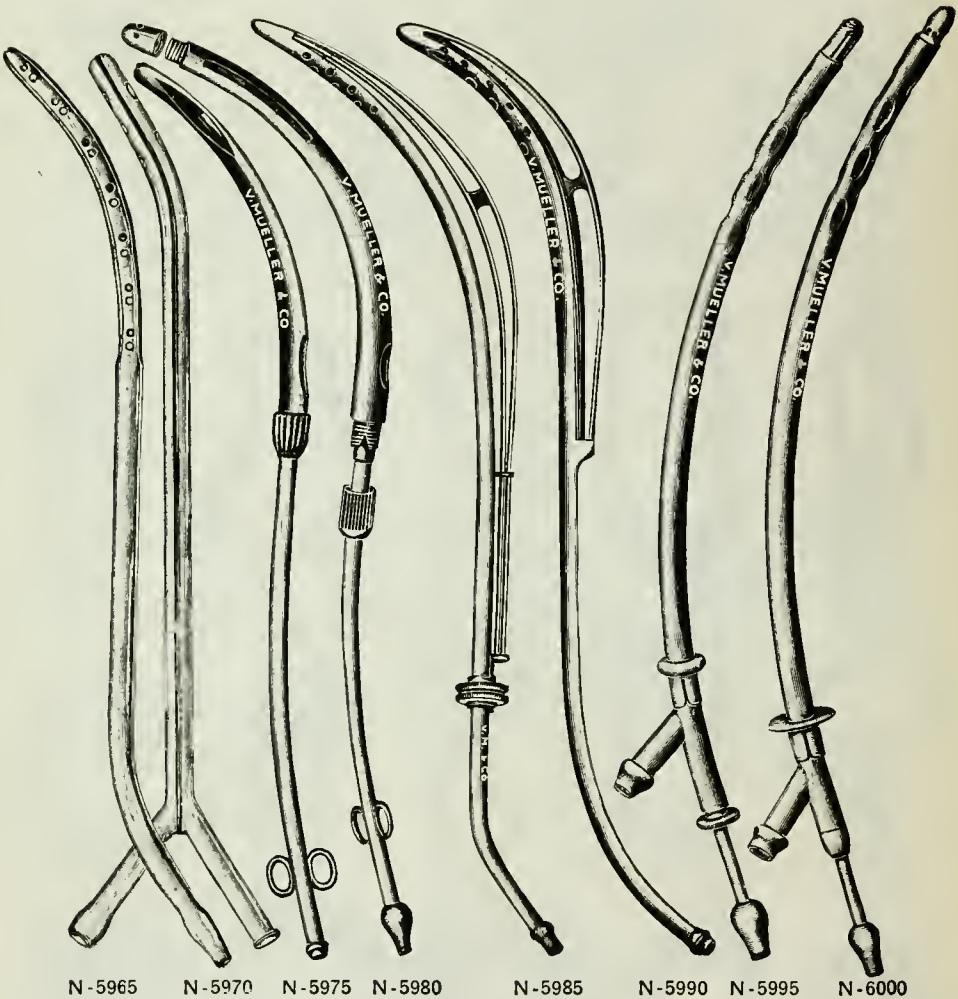

N-5950


N-5955


N-5960

PESSARIES. PROLAPSUS, ANTEVERSION, ETC.

N-5855	Soft rubber, inflated, pear shaped, each	$0 50
N-5860	Zwank's, hard rubber, four sizes, each	1 75
N-5875	Thomas' cup with belt	1 50
N-5880	Cup with belt, Cutter's	1 50
N 5885	Hard rubber, Smith modified by Thomas	60
N-5890	Hard rubber, Thomas', each	75
N-5895	Hard rubber, Smith's, six sizes, each	20
N-5900	Hard rubber, Hodge's, six sizes, each	20
N-5905	Hard rubber, Skene's, for bladder	1 25
N-5910	Hard rubber, Hewitt's	65
N-5915	Hard rubber, Thomas', second pattern	$1 00
N-5920	Hard rubber, Skene's, cystocele	1 35
N-5925	Hard rubber, Thomas', fifth pattern	1 75
N-5930	Copper ring, rubber covered	50
N-5935	Ball shaped, (not illustrated) hard rubber, each $0 90; glass, each	50
N-5940	Soft rubber, inflated, best grade maroon rubber, five sizes, each	40
N-5945	Soft rubber, solid, five sizes, each	60
N-5950	Hard rubber, hollow thick, each	50
N-5955	Hard rubber, hollow	50
N-5960	Hard rubber, concave	50



IRRIGATING DOUCHES, GLASS AND METAL

N-5965	Uterine douche, Chamberlain's, glass, return flow	$0 75
N-5970	Irrigating douche, single channel, glass	50
N-5975	Uterine douche, Bozeman's, metal, nickel-plated, made in two sizes, 10 ins., each	1 50
N-5980	Uterine douche, Bozeman-Kelly's, two sizes, 11½ ins., each	2 25
N-5985	Uterine douche, Leonard's, dilating, 11 ins	1 25
N-5990	Uterine douche, Leonard's, plain, 11 ins	90
N-5995	Uterine douche, Glasgow's, 11 ins	1 10
N-6000	Uterine douche, Jennison's, 11 ins	1 25
N-6000A	Uterine douche, Langstaff's modification of Leonard's (not illustrated)	1 25

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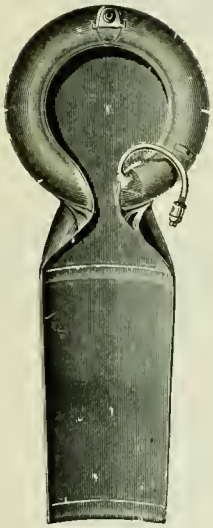

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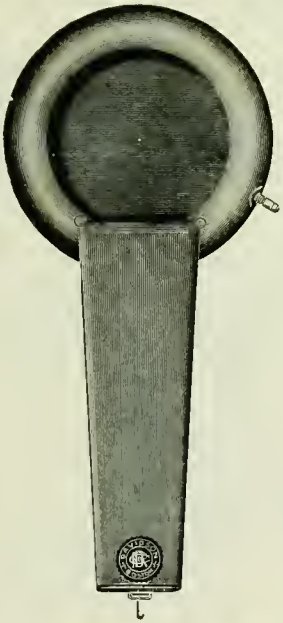

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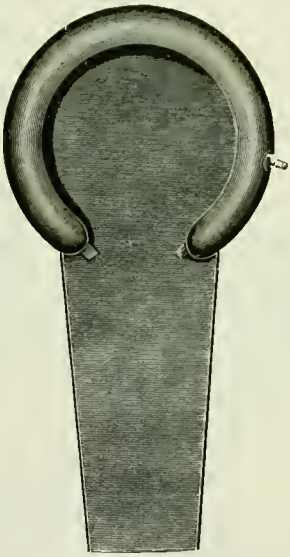


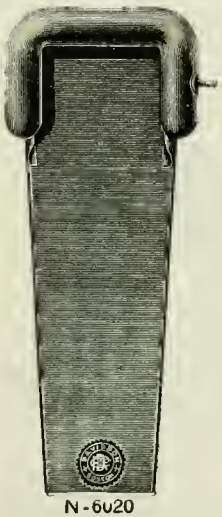
N-6015



N-6030A



N-6030



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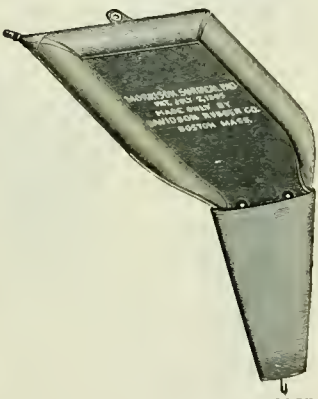

N-6025

SURGICAL AND OBSTETRIC PADS

N-6005 Surgical and obstetric pad, Hygia, reversible, made of maroon rubber, good quality, 20x44, $5 00; net, 24x44, net..... $5 50
N-6010 Surgical and obstetric pad, Kelly's, with sleeves, 20x44, net $6 00; 24x44, net..... 6 50
N-6015 Surgical and obstetric pad, Kelly's, 20x44, net $5 00; 24x44, net..... 5 50
N-6020 Surgical pad, 17 ins., net..... 4 00
N-6025 Surgical and obstetric pad, Morrison's, reversible, 20x44, net $5 00; 24x44, net.... 5 50
N-6025A Surgical and obstetric pad, extra large size, 29x33, net..... 6 50
N-6030 Surgical and obstetric pad, Morrison's, with detachable sleeve, 20x44, net $6 00; 24x44, net 6 50
N-6030A Bulb, maroon rubber for inflating Kelly pads, each..... 50

OWING TO THE CONTINUAL FLUCTUATION IN PRICE OF RUBBER, THE ABOVE PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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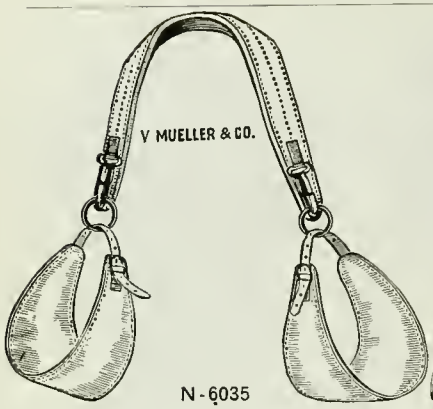

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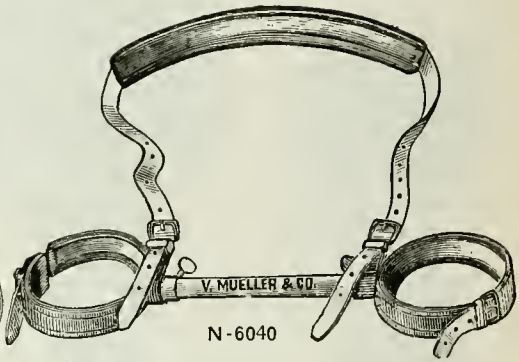

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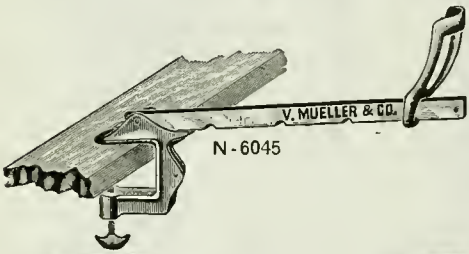

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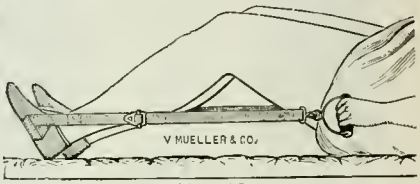

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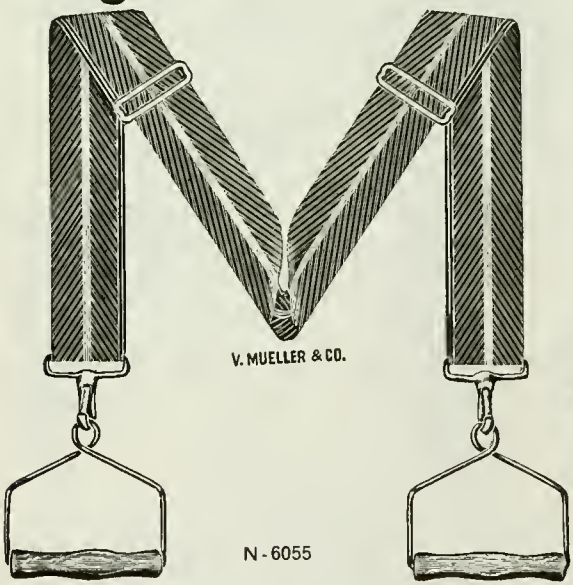

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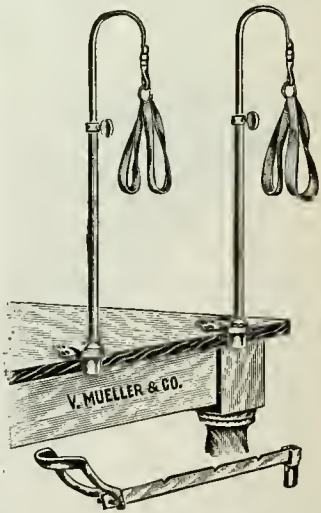

N-6050

STIRRUPS AND LEG RESTS

N-6035	Leg holders, Mallet's, made of heavy canvas	$2 00
N-6035A	Leg holders, Kelly's, regular, (not illustrated)	1 25
N-6040	Leg crutch, Clover's, adjustable, leather covered	8 00
N-6045	Stirrups, Carsten's, suitable for table or bed, pair	4 00
N-6050	Stirrups, Edebohl's, lithotomy, adjustable, pair	7 00
N-6055	Obstetric tractors, Swartz'	1 25
N-6060	Obstetric slippers, made of canvas, pair	2 00

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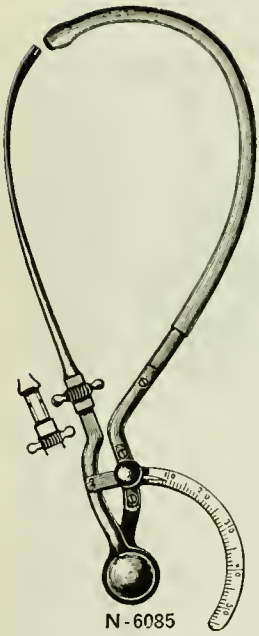

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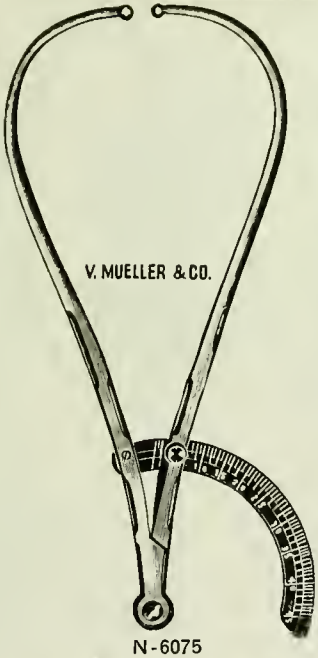

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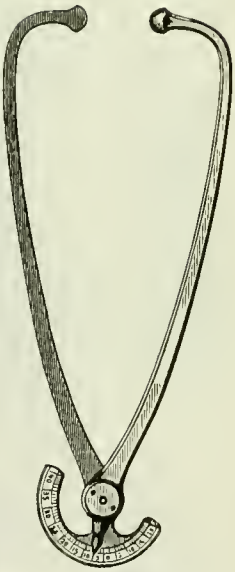

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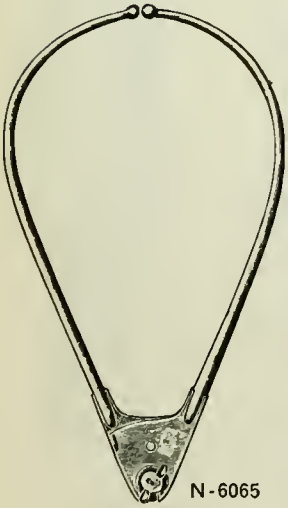

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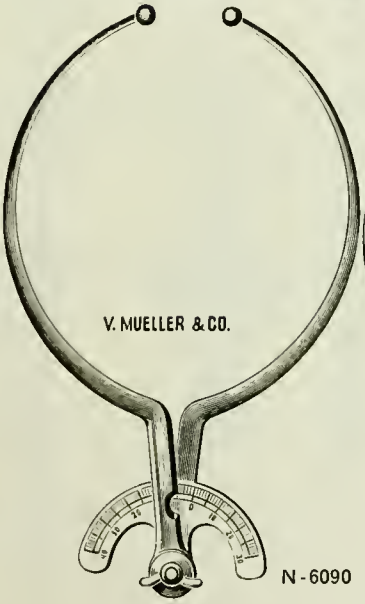

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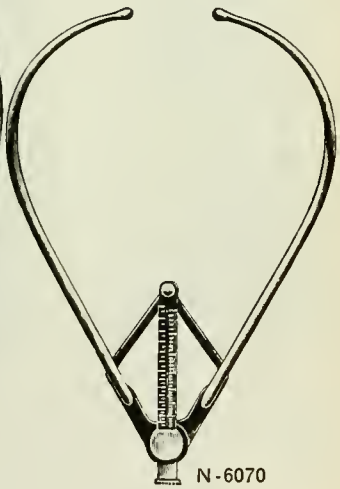

N-6070

PELVIMETERS

N-6065	Pelvimeter, Collier's	$1 85
N-6070	Pelvimeter, Carsten's	3 00
N-6075	Pelvimeter, Martin's, graduation in centimeters, unless otherwise specified	5 00
N-6080	Pelvimeter, Collin's	4 00
N-6085	Pelvimeter, Skutsch's, for into external measurements	10 00
N-6090	Pelvimeter, Breisky's	6 00

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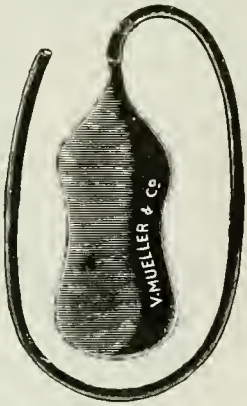
N-6095

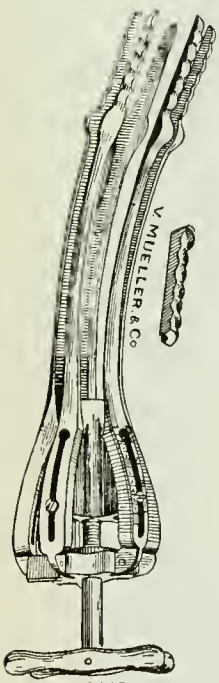

N-6100



N-6105



N-6110



N-6115

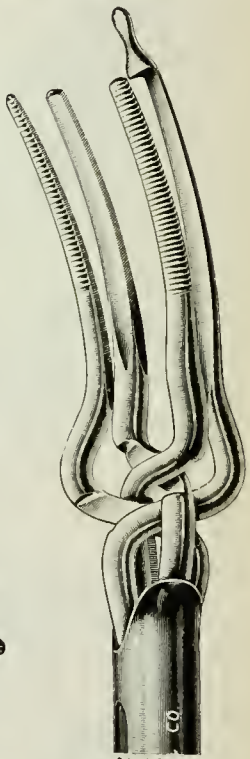


N-6120





N-6125


N-6125A

COLPEURYNTERS AND DILATORS

N-6095	Colpeurynter, de Ribes', three sizes, with stopcocks, each	$3 50
N-6100	Colpeurynter, Voorhee's, four sizes, each, $0 85; extra large size, 5 ins. at base, each	1 25
N-6105	Colpeurynter, Barnes', three sizes, each	35
N-6110	Colpeurynter, Braun's, with stopcock, two sizes, each	85
N-6115	Cervix dilator, Higgin's modification of Bossi's, five branches	32 00
N-6115A	Cervix dilator, Preiss', four branches, (not illustrated)	25 00
N-6120	Cervix dilator, Bossi's original pattern, four branches	32 00
N-6125	and N-6125A Cervix dilator, four branches, very small at end, can be easily introduced	13 50

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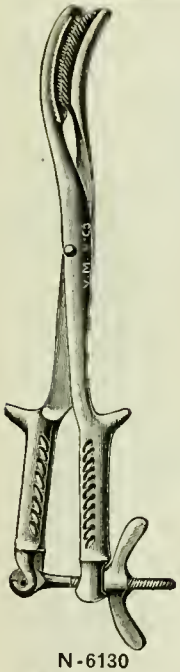

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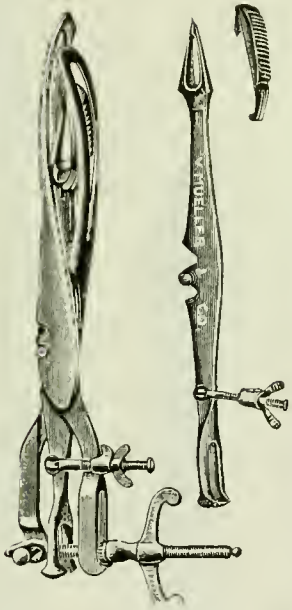

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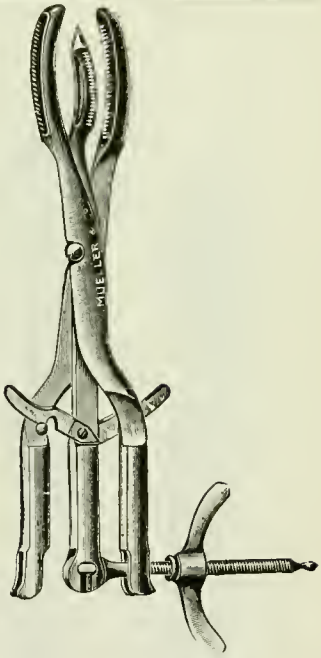


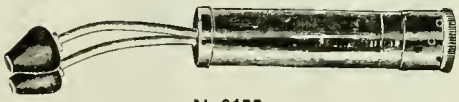
N-6135



N-6140A



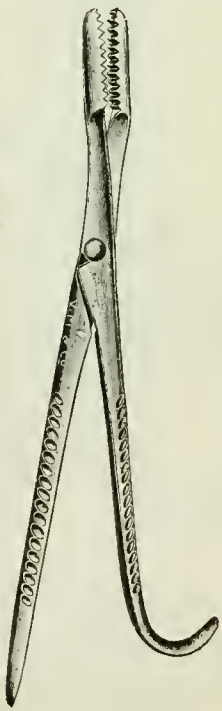
N-6150



N-6155

CRANIOCLASTS AND INHALERS

N-6130	Cranioclast, Braun's, made in two sizes, large pattern 18 ins., $10 00; small pattern 16½ ins.	$9 00
N-6135	Cranioclast, cephalotribe and perforator combined, Auvard's	20 00
N-6140	Cranioclast, cephalotribe and perforator combined, Tarnier's latest pattern	25 00
N-6140A	Craniotomy forceps, Meig's, straight, $3 00; curved	3 50
N-6145	Craniotomy forceps, Thomas'	4 00
N-6150	Obstetric inhaler, Penfold's	1 50
N-6155	Obstetric inhaler, Bennett's	1 00



N-6145

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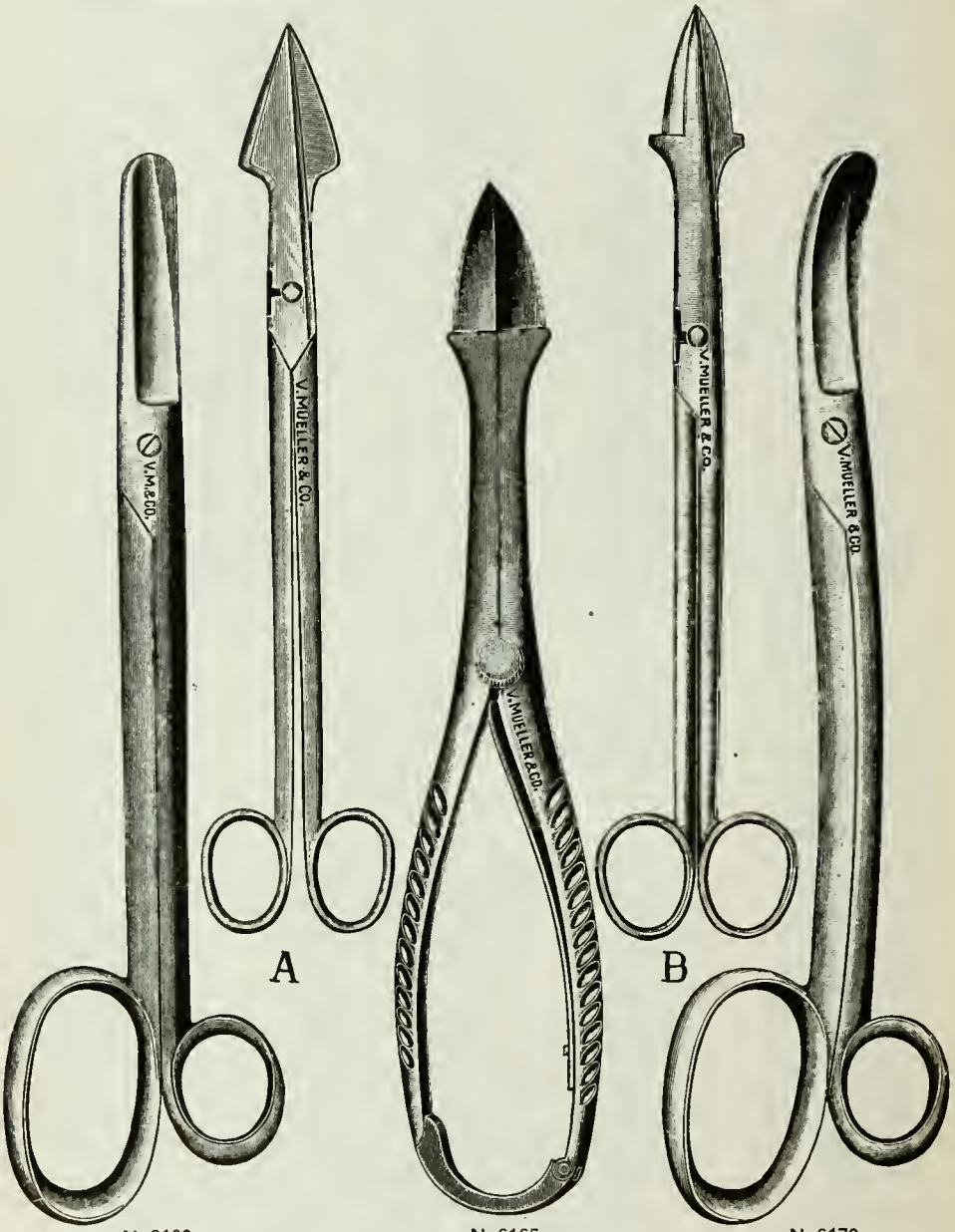
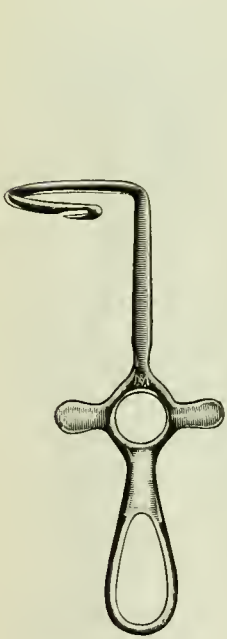


N-6160 N-6165 N-6170

PERFORATORS AND CEPHALOTOMY SCISSORS

N-6160	Cephalotomy scissors, Olshausen's, 11¼ ins.	$3 00
N-6165	Perforator, Naegele's, 10¾ ins.	3 50
N-6165A	Perforator, Bedford's, 9½ ins.	2 00
N-6165B	Perforator, Bedford's, round shanks, 9¾ ins.	2 00
N-6170	Cephalotomy scissors, Winter's, double curved, 11¼ ins.	3 50

Do not mutilate catalogue.—Specify section letter and number in ordering.


N-6175


N-6180



N-6185


N-6190



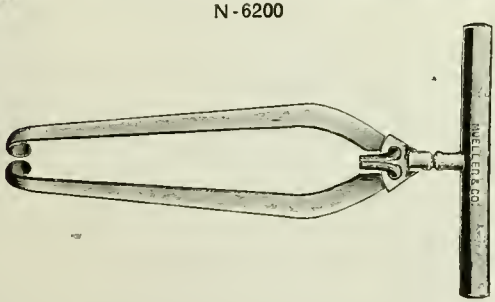
N-6195



N-6205



N-6200



N-6215



N-6210

PUBIOTOMY NEEDLES, OBSTETRIC HOOKS, ETC.

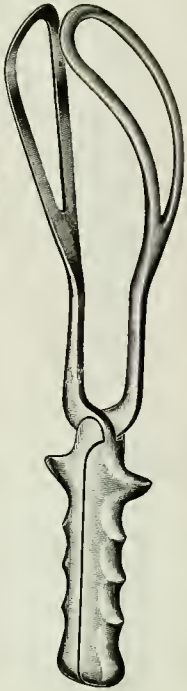
N-6175	Pubiotomy needle, Doederlein's	$2 75
N-6180	Pubiotomy needle, Seligman's	3 50
N-6185	Hebosteotomy needle, Barrett's	2 50
N-6190	Symphysiotomy knife, American pattern	3 00
N-6195	Umbilical cord scissors, American pattern	1 00
N-6200	Embryotomy knife, Scultze's	3 00
N-6205	Hook and crotchet, plain	1 00
N-6210	Hook, Braun's decapitating	2 00
N-6215	Traction hooks, Reynold's	2 25

Do not mutilate catalogue.—Specify section letter and number in ordering.


N-6220


N-6225


N-6240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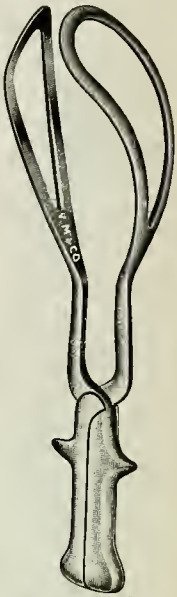

N-6230


N-6245

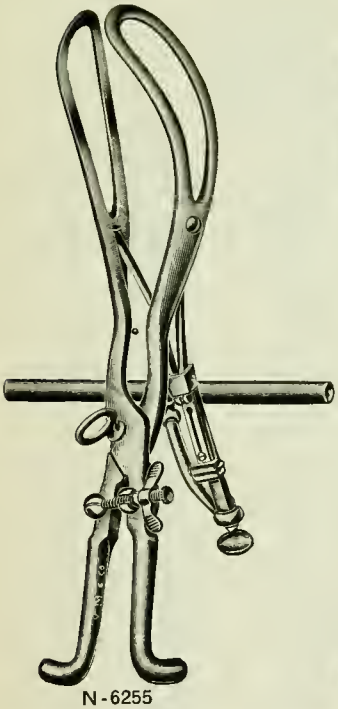
OBSTETRIC FORCEPS

N-6220	Obstetric forceps, Elliott's, short model	$4 00
N-6225	Obstetric forceps, Elliott's, regular	4 00
N-6230	Obstetric forceps, Simpson's, short model	4 00
N-6235	Obstetric forceps, Simpson's, regular	4 00
N-6240	Obstetric forceps, Hodge's, long	4 00
N-6245	Obstetric forceps, Barnes-Simpson's	5 50
N-6250	Obstetric forceps, Hale's, short model	4 00
N-6250A	Obstetric forceps, Hale's, long	4 50

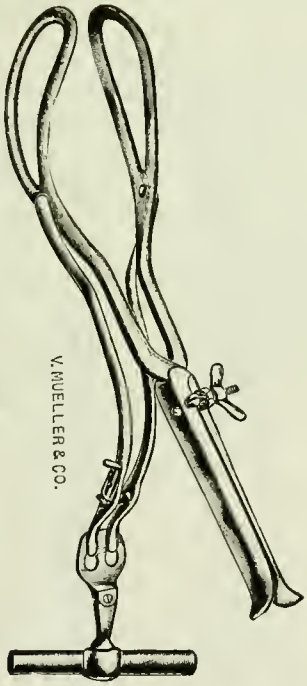
Do not mutilate catalogue.—Specify section letter and number in ordering.



N-6250



N-6255



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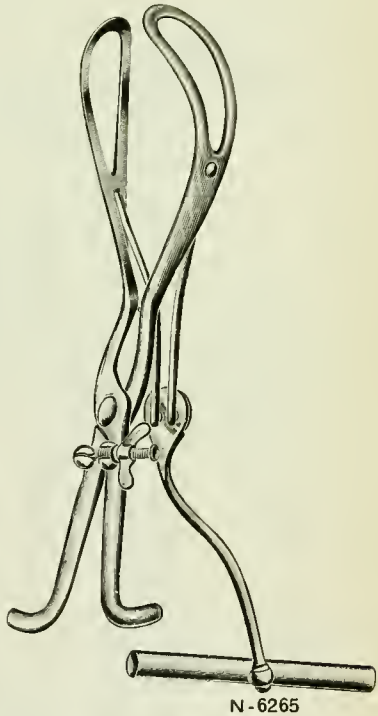

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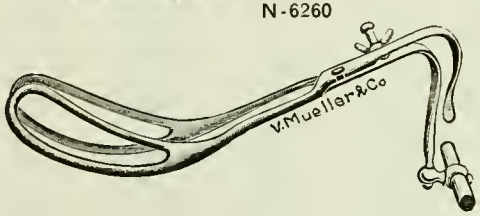
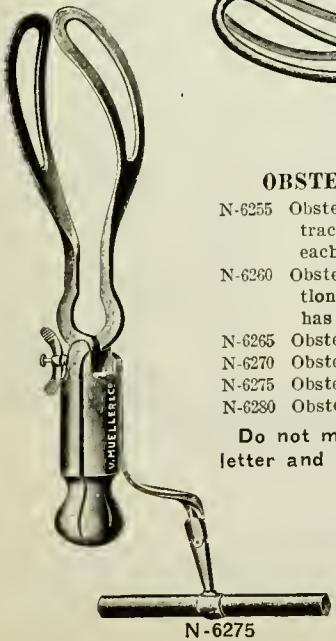
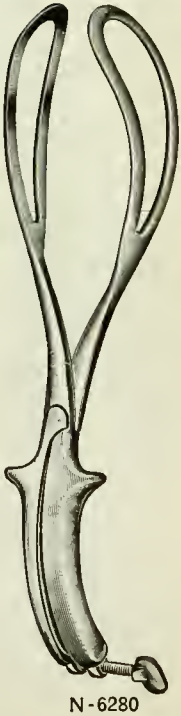


N-6270



N-6275

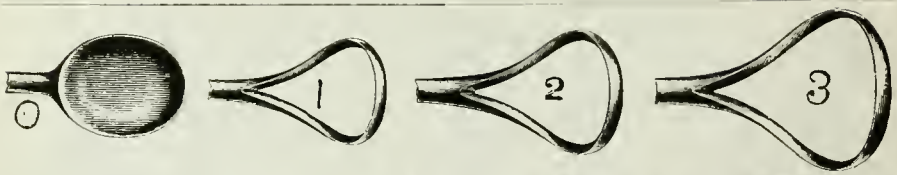


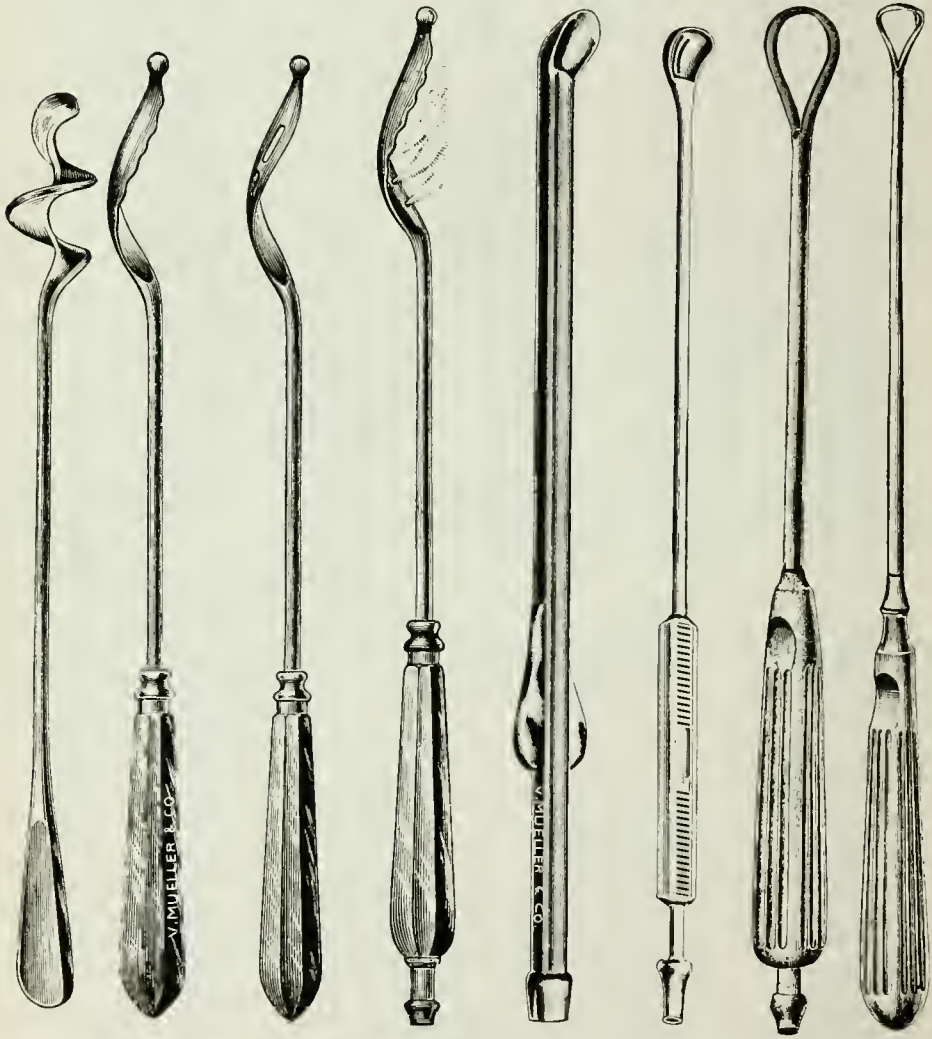
N-6280

OBSTETRIC FORCEPS—Continued

N-6255	Obstetric forceps, Tarnier's, with axis-traction, latest model, two sizes, each	$15 00
N-6260	Obstetric forceps, Webster's modification of Milne-Murray's, latest model has straight fluted handles	13 50
N-6265	Obstetric forceps, Jewett's	13 50
N-6270	Obstetric forceps, Dewee's	15 00
N-6275	Obstetric forceps, Neville's	13 50
N-6280	Obstetric forceps, Leavitt's	5 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



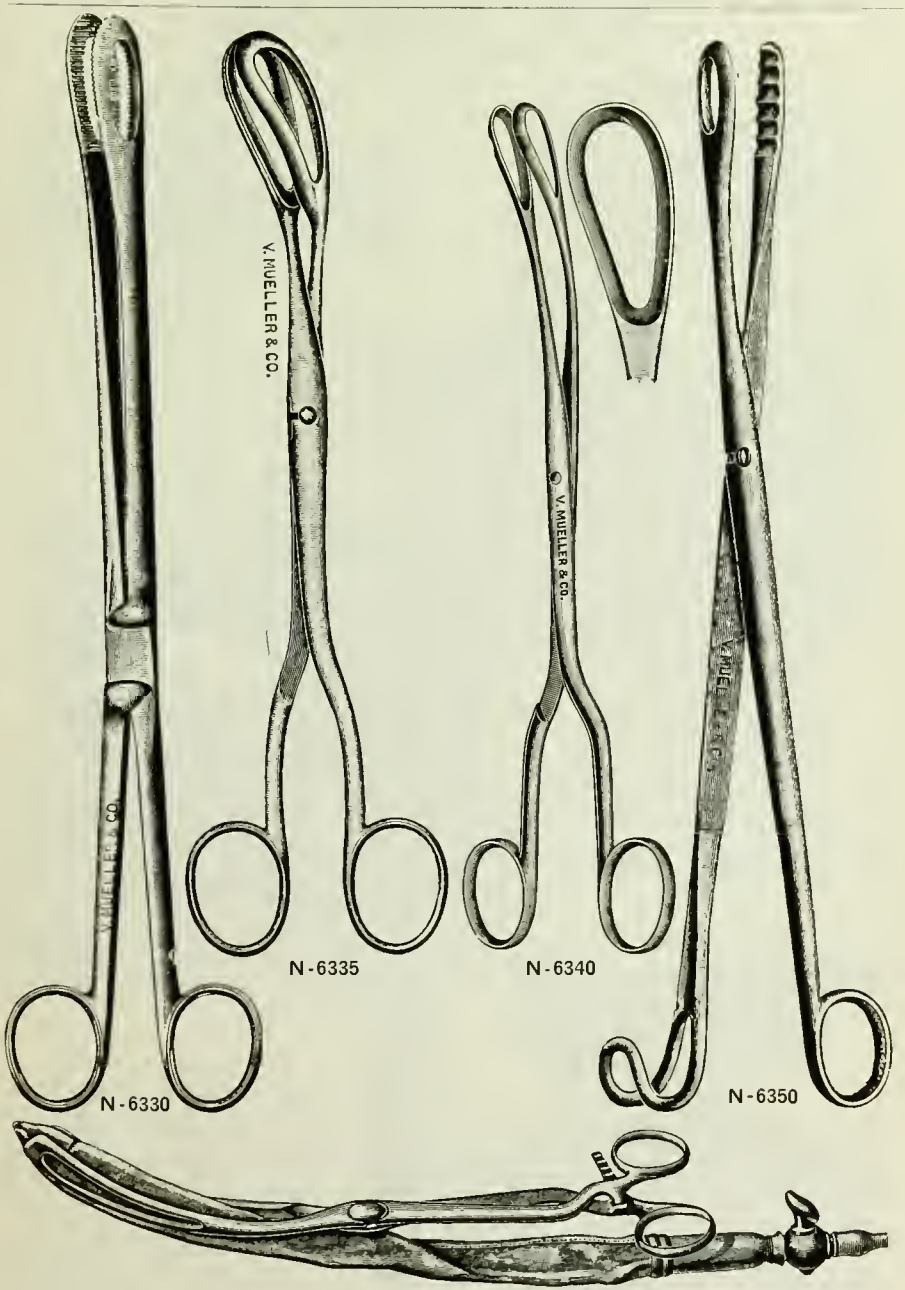


N-6285 N-6290 N-6295 N-6300 N-6305 N-6310 N-6315 N-6320

PLACENTA CURETTES

N-6285	Placenta curette, spiral, two sizes, each	$1 00
N-6290	Placenta curette, McDade's, with serrated edge	1 75
N-6295	Placenta curette, McDade's, with fenestrated blade	1 75
N-6300	Placenta curette, McDade's, irrigating serrated edge	3 00
N-6305	Placenta curette, irrigating, English model	1 60
N-6310	Placenta curette, Goldstein's, irrigating	1 50
N-6315	Placenta curette, irrigating, can be furnished in sizes 0, 1, 2 and 3, each	1 75
N-6320	Placenta curette, can be furnished in sizes 0, 1, 2 and 3, blunt, each $1 50; sharp, each	1 75

Do not mutilate catalogue.—Specify section letter and number in ordering.

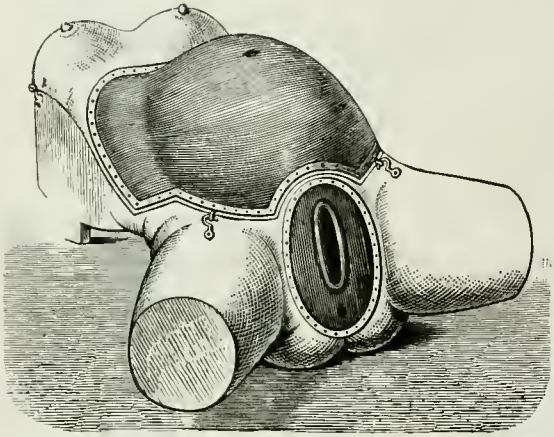


PLACENTA FORCEPS, ETC.

N-6330	Placenta forceps, Bond's, with wide or narrow jaw, 12 ins	$2 00
N-6335	Placenta forceps, Grosvenor's	2 25
N-6340	Placenta forceps, Barrett's. This forceps is considered the best placenta forceps that is now on the market, it is also suitable for lithotomy work	2 25
N-6350	Placenta forceps, Haslam's, combined with hook	2 50
N-6355	Forceps for introducing colpeurynters	3 25

Do not mutilate catalogue.—Specify section letter and number in ordering.

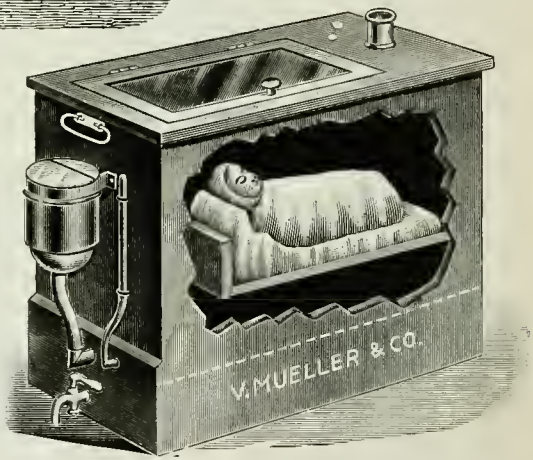
PHANTOMS, INCUBATORS AND SCALES



N-6360

N-6360 Phantom, obstetric, Boudin and Pinard. Among the various phantoms that have been invented, there is none that has given the satisfaction, and received the universal recommendation of obstetricians in all parts of the world, like the Boudin and Pinard phantom. We import this phantom from the original maker in Europe and can therefore guarantee to furnish the correct apparatus. Price furnished upon application.

N-6365 V. Mueller & Co.'s baby incubator. This incubator is made after a French model and has been used for years abroad and in this country and has given perfect satisfaction.
Complete instructions are sent with each incubator.
Price net $50 00
These incubators are also rented at the rate of $15 00 for the first month and $2 50 for each week thereafter.
Transportation charges both ways must be paid by the renter.
Special price for renting to institutions.



N-6365



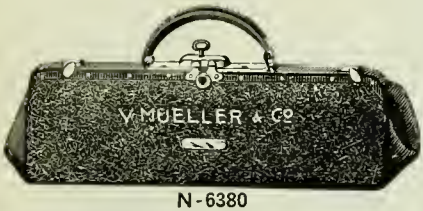
N-6370



N-6375

N-6370 Baby scale, with basket for family use, capacity 25 lbs. $7 50
N-6375 Baby scale, George's, pocket style 50

PHYSICIANS' LEATHER GOODS



N-6380

OBSTETRIC BAG

Dimensions: 5 inches in depth and 5 inches in width, made in various lengths. Steel covered frames, nickel springs double hasp lock with key, etc. It is made of the finest black seal-grain bag leather, inside pocket on one side.

PRICES WITHOUT BOTTLES

	Leather Lined
10 inches long	$3 10
12 inches long	3 20
13 inches long	3 30
14 inches long	3 40
15 inches long	3 50
16 inches long	3 70
17 inches long	3 95
18 inches long	4 20

Fitted with 6 one and one-half ounce G. S. bottles on removable tray, 75 cents extra.
Fitted with 6 one and one-half ounce G. S. and M. C. bottles on removable tray, $1 25 extra.

N-6385 BERLIN STYLE BAG

Made of a very fine quality of soft pliable black calf. Finely finished brass trimmings. Just the bag for carrying a few instruments under the arm. Very light in weight. Leather lined.

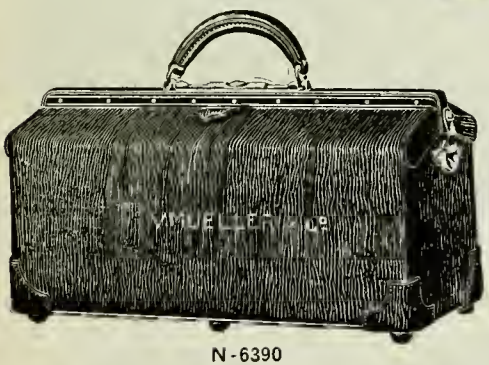
Dimensions: 6½ inches high and 3 inches wide.

PRICES

12 inches long	$4 75
14 inches long	5 00
16 inches long	5 25



N-6385



N-6390

N-6390 EMERGENCY BAG

Dimensions: 7½ inches wide and 9 inches high to top of frame.

Made of the finest black long walrus grain bag leather. Full leather lined.

Steel frame, leather covered. Solid brass lock and end catches. Extra leather corner protections and metal feet. Loops for instruments in lids. Adjustable loops and pocket on inside of bag.

PRICES

16 inches long	$9 50
17 inches long	10 00
18 inches long	10 50

N-6395 OBSTETRIC BAG

The finest and best made bag of its kind.

Square cabinet style, 6½ inches wide, 7 inches high, 15, 16 and 17 inches long. Opens on top. No waste space. Made of the finest black bag stock. Heavy steel frame; with extra strong brass lock and catches. A hand stitched bag. English style.

PRICES WITHOUT BOTTLES

15 inches long, leather lined	$8 50
16 inches long, leather lined	8 75
17 inches long, leather lined	9 00
18 inches long, leather lined	9 75

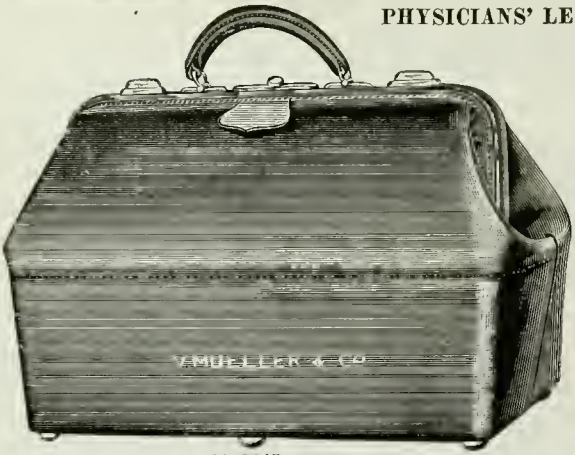
Fitted with 6 one and one-half ounce G S. bottles on removable tray, 75c extra.

Fitted with 6 one and one-half ounce G. S. and M. C. bottles on removable tray, $1 25 extra.



N-6395

PHYSICIANS' LEATHER GOODS—Continued



N-6415

N-6415 Physicians' bag, club style, emergency. Made from smooth black cow-hide leather, with durable frame sewed in by hand. Solid brass trimmings or gun metal finish. Cut in popular three-piece style, no corners, seams or welt to wear out. Lined with good leather, fitted with pocket on one side and adjustable loops for bottles.

16 ins. x 11 ins. x 8½ ins. $12 50
17 ins. x 11 ins. x 8½ ins. 13 50



N-6420

N-6420 Physicians' bag, Gilbert English club style, best walrus grain cowhide, leather lined, and heavy solid brass trimmings. Fitted with loops, etc., and hand stitched double handle. Bottom compartment is 16x5x2¾, suitable for sterilizing outfit $14 50
Sterilizer for above 5 50



N-6425

N-6425 Physicians' bag, club style, best selected smooth grain black cowhide, English frame, hand stitched, double handles, leather corner caps and brass trimmings. Fitted with adjustable loops inside This is one of the best bags that has ever been put on the market.

16x12x9 ins.....$17 50
17x12x9 ins..... 18 50

PHYSICIANS' LEATHER GOODS—Continued



N-6400

N-6400 OBSTETRIC BAG

Style of lawyers' brief bag. Made of black seal-grain bag leather; handsome frame with brass trimmings. Width at bottom, 6 inches. Height from bottom of bag to top of frame, 8 inches. The outside is made in two pieces.

No seams on edges.

PRICES WITHOUT BOTTLES

	Leather Lined
12 inches long	$3 60
13 inches long	3 85
14 inches long	4 00
15 inches long	4 25
16 inches long	4 50
17 inches long	4 75
18 inches long	5 00

Fitted with six 1½ oz. G. S. bottles, $0 75 extra.

Fitted with six 1½ oz. G. S. and M. C. bottles, $1 25 extra.

N-6405 BOSTON STYLE

Made of the best grained bag leather. Either leather or canvas lined. 10 inches high, 5½ inches wide.

PRICES

12 inches long at bottom, leather lined, $5 10; canvas lined	$4 30
14 inches long at bottom, leather lined, $5 60; canvas lined	4 80
15 inches long at bottom, leather lined, $6 10; canvas lined	5 30
16 inches long at bottom, leather lined, $6 60; canvas lined	5 80

Fitted with 6 one and one-half ounce G. S. bottles on removable tray, 75c extra.

Fitted with 6 one and one-half ounce G. S. and M. C. bottles on removable tray, $1 25 extra.



N-6405



N-6410

N-6410 OBSTETRIC BAG

Club style High and narrow. Easy to carry. Made of the finest black long walrus grain bag leather. Leather covered steel frame, and gun metal trimmings. Finest leather lining.

High grade make throughout. No seams on edges.

Width at bottom 5½ inches. Height 9 inches to top of frame.

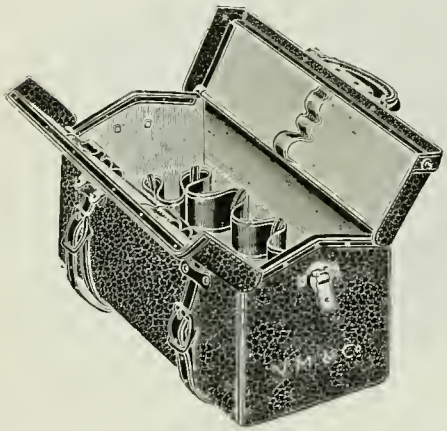
PRICES WITHOUT BOTTLES

14 inches long	$5 50
15 inches long	5 75
16 inches long	6 00
17 inches long	6 25

Fitted with six 1½ oz. G. S. bottles, $0 75 extra.

Fitted with six 1½ oz. G. S. and M. Co. bottles, $1 25 extra.

PHYSICIANS' LEATHER GOODS—Continued



N-6430

N-6430 EMERGENCY BAG

It is made of the very finest, black seal-grained hag stock, full leather lined, rlveted steel frame, nickel trimmings, 8 inches wide and 9 inches high over all.

It contains in the lower part of hag 11 adjustable strap loops, also a large pocket entire slde of bag. In the lid are 10 smaller loops for instruments, etc. It also has two straps running around the bag for the purpose of strapping pans to the bottom of hag when required.

For up-to-date obstetric work it cannot be beaten for utility, quality or price.

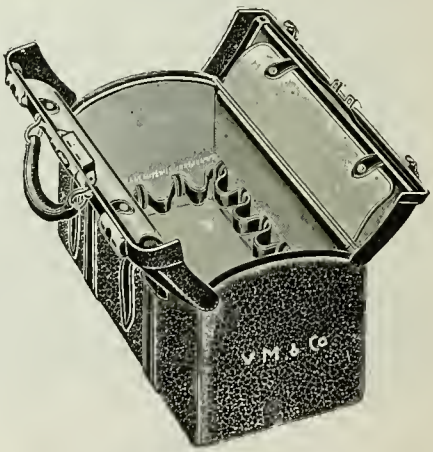
Made 15, 16 and 17 lnches long. Price $8 60
Pans, each, extra..... 2 00
18 lnches long. Add to above lists 75

N-6435 EMERGENCY BAG

The general arrangements of tbis bag are like our No. N-6430. The make, however, differs very materially. It is the best hag that can be made by anybody. Heavy steel frame wlth solid brass trimmings. No riveting, all hand stitched around the frame. It is a bag to last a lifetime. Loops, straps and pocket same as No. N-6430 bag. It is made of the very best black seal-grain bag leather and is full leather lined.

Dimensions: 8½ inches wide and 9½ inches high over all.

Made in lengths of 15, 16 and 17 inches. Price.....$12 00
Pans, each, extra..... 2 00
18 inches long. Add..... 75



N-6435



N-6440

N-6440 EMERGENCY BAG

Made of the finest black long walrus grain bag leather. Heavy steel frame, leather covered and hand-stitched to body of bag. English style. The very latest style gun metal lock and snap catches. Loops for instruments in lids. Adjustable loops and pocket inside of bag. Extra leather corner protections and metal feet.

PRICES

16 inches long, 7¾ inches wide, 9¾ inches high $14 25
17 inches long, 8 inches wide, 10 inches high 14 75
18 inches long, 8¼ inches wide, 10¼ inches high 15 25
19 inches long, 8¾ inches wide, 11 inches high 16 00

PHYSICIANS' LEATHER GOODS—Continued



N-6445

N-6445 The seamless edge bag with tilting top is divided at the bottom, forming a separate compartment for carrying a pan or sterilizer. This compartment is hinged on one side and has two solid brass locks on the other side. The depth of compartment is 3½ inches. Length of bag 17 inches. Price.....$10 50
Copper sterilizer to fit bottom..... 5 00



N-6450

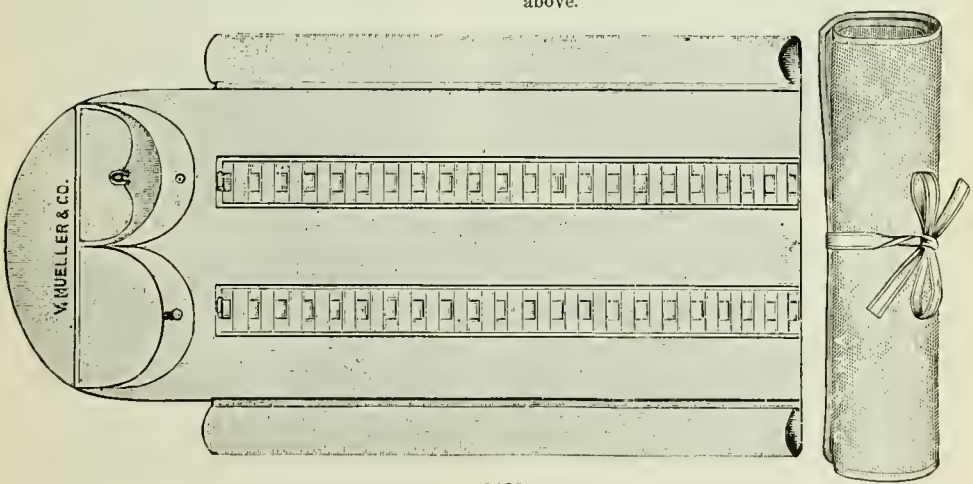
N-6450 Removable pad for obstetric bags contains six 1½-oz. G. S. bottles. Price..... $0 75



N-6455

N-6455 Removable pad for obstetric bags contains six 1½ oz. G. S and M. C. safety bottles. Price $1 25

All of our obstetric bags are so arranged that they can be fitted with either of the above.



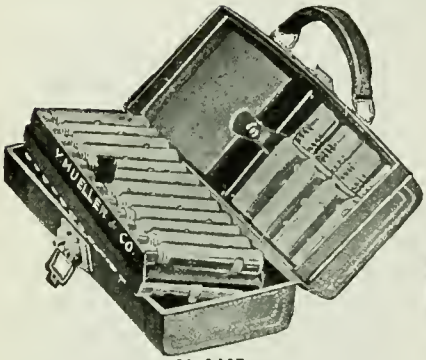
N-6460

N6460 Canvas roll, No. 1, 12x29 ins., single row of 17 loops..... $1 00
Canvas roll, No. 2, 12x29 ins., double row of 17 loops..... 1 25
Canvas roll, No. 3, 12x35 ins., single row of 21 loops..... 1 10
Canvas roll, No. 4, 12x35 ins., double row of 21 loops..... 1 35
Canvas roll, No. 5, 15x29 ins., single row of 17 loops..... 1 25
Canvas roll, No. 6, 15x29 ins., double row of 17 loops..... 1 50
Canvas roll, No. 7, 15x31 ins., single row of 21 loops..... 1 25
Canvas roll, No. 8, 15½x35 ins., with 20 adjustable loops..... 1 50

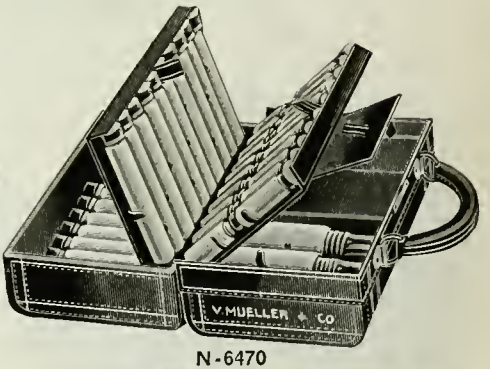
These rolls are made of a good grade white canvas with pocket and adjustable loops, will accommodate any size instrument. They are clean and much preferred to the old style chamois lined rolls. Sizes 1, 2 and 3 are suitable for uterine, urethral and general operating instruments. The larger sizes for obstetric instruments, etc.

We are prepared to make any size instrument roll to order.

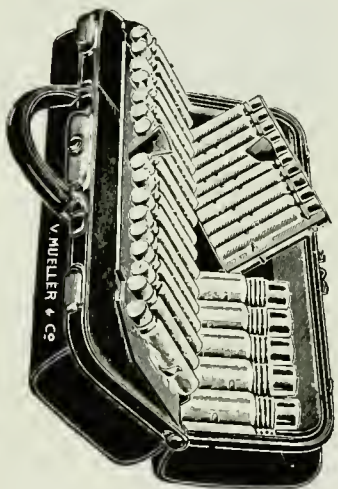
Do not mutilate catalogue.—Specify section letter and number in ordering.



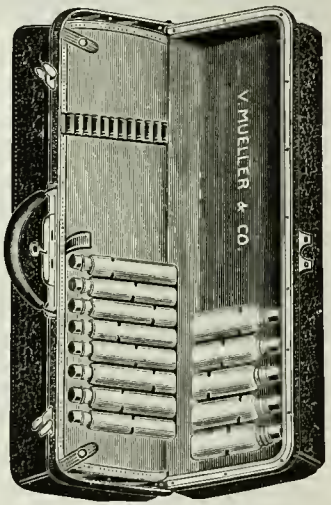
N-6465



N-6470



N-6475



N-6480

PHYSICIANS' LEATHER GOODS—Continued

N-6465 Medicine case. Price..... $7 25

Dimensions: 11 inches long, 5 inches high and 3⅝ inches thick.

Made of extra heavy harness leather only, and is full leather lined.

Contains 4 one and one-half ounce G. S. and M. C. Bottles, 24 five-dram vials and covered supply space 4½x4x1⅛ inches.

N-6475 Combination bag. Price.....$12 00

Dimensions: 17 inches long, 5 inches wide and 5½ inches high.

Made of the finest black boarded calfskin. Full leather lined. Steel frame with gun metal finish trimmings.

It contains 6 one and one-half ounce G. S. and M. C. bottles, 17 five-dram and 20 three-dram vials. The bottles occupy one side of bag and the other side is entirely empty for sundries, large enough to carry any forceps. Loops for instruments.

N-6470 Medicine case. Price..... $7 50

Dimensions: 9¼ inches long, 4½ inches wide and 6 inches high. It is made of heavy harness leather only, and is well lined. Hand stitched.

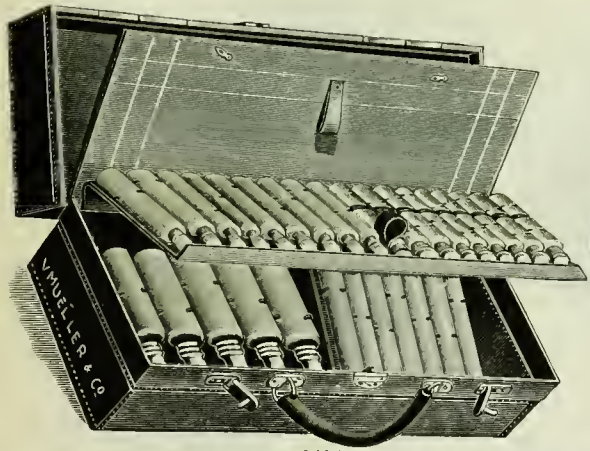
It contains 20 one-ounce and 20 three-dram vials, 3 two-ounce G. S. and M. C. bottles, and supply space 5½x3½x1 inch.

N-6480 Obstetric and emergency bag.

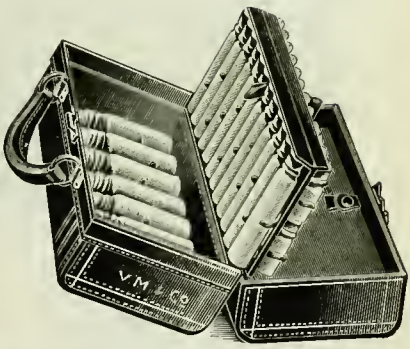
Made of finest black seal-grain bag leather and lined entirely with smooth leather.

It is 5½ inches wide and 6 inches high, including frame, and is made 15, 16 and 17 inches long. It contains 5 one and one-half ounce G. S. and M. C. safety bottles, also 8 six-dram C. S. vials. A covered supply space of one-half the entire bag. Loop for instruments both side of lid, and space along side of the G. S. and M. C. bottles for bandages, etc.

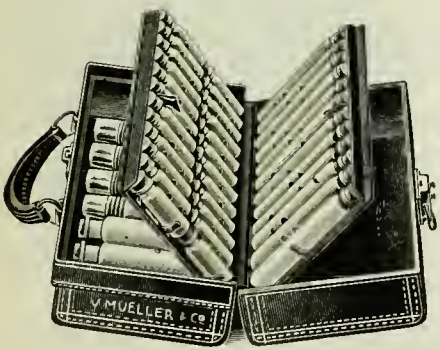
15 inches long. Price..... $7 50
16 inches long. Price..... 7 85
17 inches long. Price..... 8 25



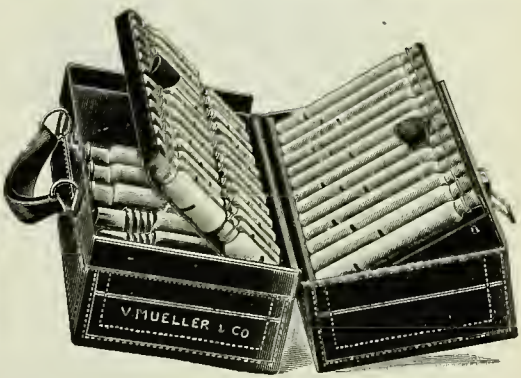
N-6485



N-6500



N-6505



N-6510

PHYSICIANS' LEATHER GOODS—Continued

N-6485 Medicine case. Price.....$13 80

Dimensions: 16 inches long, 6 inches high and 6 inches wide.

It is made of heavy harness leather and full leather lined.

Contains 6 two-ounce G. S. and M. C. bottles, 23 one-ounce and 18 three-dram vials, also a covered supply space 15½x5x2¾ inches.

N-6495 Medicine case. Price.....$12 00

Dimensions: 11 inches long, 6 inches wide and 6 inches high.

Made entirely of heavy harness leather, hand stitched around the edges and full leather lined.

It contains 24 one-ounce, 24 three-dram and 3 three-ounce C. S. bottles, also 4 two-ounce G. S. and M. C. bottles and supply space 10½x5½x1⅛ inches.

N-6495A Medicine case. Price.....$10 00

Exactly like above except B. B. cloth lined.

N-6505 Medicine case, not illustrated. Price $9 00

Dimensions: 11½ inches long, 5 inches wide and 6 inches high. It is made of heavy harness leather only, and is well lined. Hand stitched.

It contains 4 two-ounce G. S. and M. C. and 3 three-ounce C. S. bottles, 12 one-ounce and 24 three-dram vials, and supply space 10½x5x1 inch.

N-6500 Medicine case. Price.....$7 85

Dimensions: 11 inches long, 4⅝ inches wide and 5½ inches high. It is made of heavy harness leather only, and is well lined. Hand stitched.

It contains 7 one and one-half ounce G. S. and M. C. bottles, 12 six-dram vials and 24 two-dram vials, also supply space 10⅜x4½x1 inch.

N-6510 Medicine case. Price.....$11 50

Dimensions: 12 inches long, 6 inches wide and 6 inches high.

It is made of heavy harness leather only, and is full leather lined. Hand stitched.

It contains 4 two-ounce G. S. and M. C. bottles, 3 three-ounce C. S. bottles, 13 one-ounce and 26 three-dram vials, also large supply space 11x5x1¾ inches.

N-6510A Medicine case. Price.....$10 00

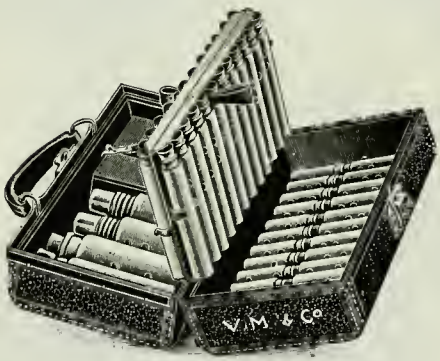
Exactly like above except cloth lined.



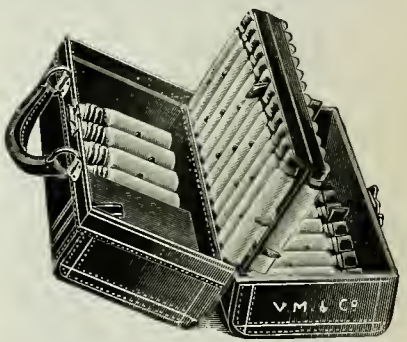
N-6515



N-6520



N-6535



N-6530

PHYSICIANS' LEATHER GOODS—Continued

N-6515 Medicine case. Price..... $8 65
Made entirely of heavy harness leather, hand stitched around the edges and full leather lined.

Dimensions: 11 inches long, 5 inches high, 4½ inches wide. It contains 12 five-dram, 30 three-dram, 4 one and one-half ounce G. S. and M. C. bottles, also supply box 4¼x4½x1¼ inches.

N-6515A Medicine case. Price..... $7 85
Exactly like above except B. B. cloth lined.

N-6525 Medicine case, not illustrated.
Price $9 75
Dimensions: 11 inches long, 4½ inches wide and 6 inches high. It is made of heavy harness leather only, and is well lined. Hand stitched. It contains 2 two-ounce G. S. and M. C., 2 three-ounce C. S. bottles, 24 one-ounce and 24 three-dram vials, and space 5x4x1 inch.

N-6535 Medicine case. Price..... $5 25
Dimensions: 11 inches long, 6½ inches high and 4¾ inches wide.

Covered with black seal-grain bag leather. Hand stitched around the edges. B. B. cloth lined.

Contains 24 one-ounce, 24 three-dram, 2 three-ounce, C. S. and 2-ounce G. S. and M. C. bottles; also supply box 5¾x4¼x1⅛ inches.

N-6520 Medicine case. Price..... $8 25
Dimensions: 10½ inches long, 3¾ inches wide and 6 inches high. It is made of heavy harness leather only, and is well lined. Hand stitched. It contains 4 two-ounce G. S. and M. C. bottles, 16 one-ounce and 16 three-dram vials, also supply space 5x3½x1¼ inches

N-6530 Medicine case. Price..... $9 00
Dimensions: 11 inches long, 5 inches wide and 5½ inches high.

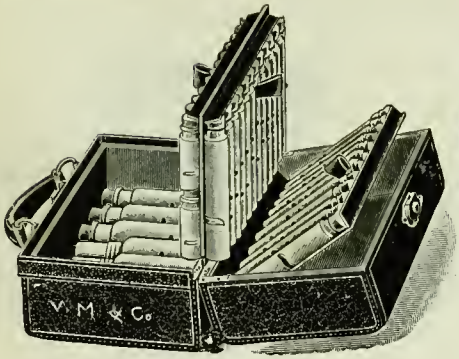
It is made of heavy harness leather only, and is well lined. Hand stitched.

It contains 4 one and one-half ounce G. S. and M. C. bottles, 10 one-ounce and 24 six-dram vials. also supply space 4½x4½x1 inch.

N-6540 Medicine case, not illustrated.
Price $5 60
Dimensions: 11 inches long, 6 inches high and 2¾ inches wide.

Made of extra heavy harness leather only.

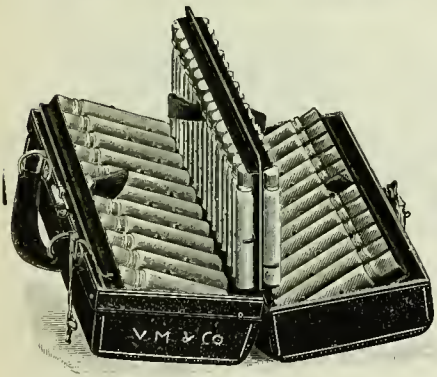
Contains 2 one and one-half ounce G. S. and M. C. bottles, 11 one-ounce and 10 three-dram vials, also supply box 5x4x1 inch. A very practical and compact case for the busy practitioner.



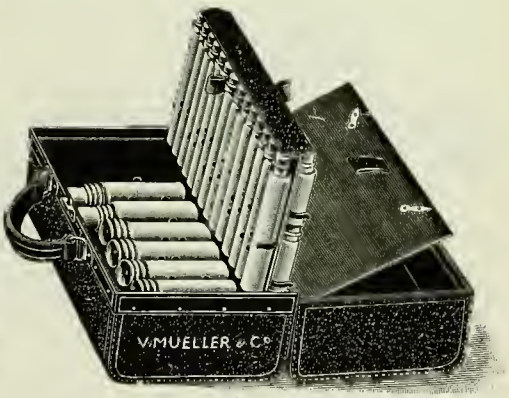
N-6545



N-6550



N-6555



N-6560

PHYSICIANS' LEATHER GOODS—Continued

N-6545 Medicine case Price..... $6 90
Dimensions: 11 inches long, 6 inches wide, and 6½ inches high.
It is covered with the finest heavy black seal-grain bag leather. Hand stitched around the edges. B. B. cloth lined.
It contains 24 one-ounce, 24 three-dram, and 3 three-ounce C. S. bottles, also 4 two-ounce G. S. and M. C. bottles. It has a space for sundries 10x5x7⅛ inches.

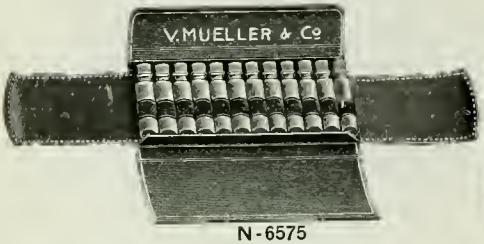
N-6555 Medicine case. Price..... $6 00
Dimensions: 11 inches long, 4⅛ inches wide and 5¼ inches high.
It is covered with the finest heavy black seal-grain bag leather. Hand-stitched around the edges. B. B. cloth lined.
It contains 24 five-dram and 30 three-dram C. S. vials. The side flaps holding the five-dram vials are removable, allowing space for powder papers.

N6565 Medicine case, not illustrated.
Price $5 25
Dimensions: 9½ inches long, 3½ inches wide, 5¼ inches high.
Made of fine black harness leather and substantially lined. Handle on top and nickel catch. It contains 8 one-ounce, 10 six-dram and 12 four-dram vials, also a pocket for papers, etc.

N-6550 Medicine case. Price..... $6 00
Dimensions: 11 inches long, 4 inches wide and 6¼ inches high.
It is covered with the finest heavy black seal-grain bag leather. Hand stitched around the edges. B. B. cloth lined.
It contains 16 one-ounce and 16 three-dram C. S. vials, also 4 two-ounce G. S. and M. C. bottles, and covered supply space 5x3¾x1⅛ inches.

N6560 Medicine case. Price..... $8 60
Dimensions: 12½ inches long, 6½ inches wide, and 6½ inches high.
It is covered with the finest heavy black seal grain bag leather. Hand stitched around the edges. B. B. cloth lined.
It contains 14 one-ounce, 28 three-dram, C. S. vials, 4 two-ounce wide mouth screw cap jars, and 4 two-ounce G. S. and M. C. bottles. It has a supply space 11½x5½x2¼ inches.

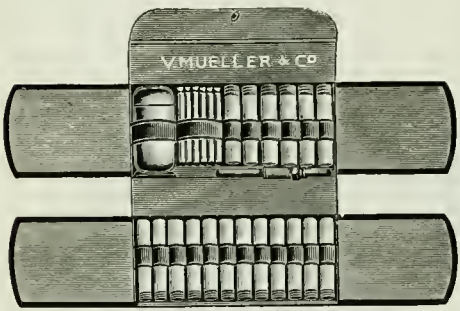
• N-6570 Medicine case, not illustrated.
Price $4 85
Dimensions: 8 inches long, 5 inches high, 3¾ inches wide. Case is covered with solid leather, hand stitched. Contains 5 one and one-half ounce glass-stopper bottles, 7 six-dram, 9 four-dram vials. It has one nickel clasp. Bottles arranged in three rows, with pocket for powder, etc. Rings for straps, and well lined.
Straps 25c extra.
If G. S. and M. C. bottles are wanted in place of the 5 G. S. add 90c to list, and so state.



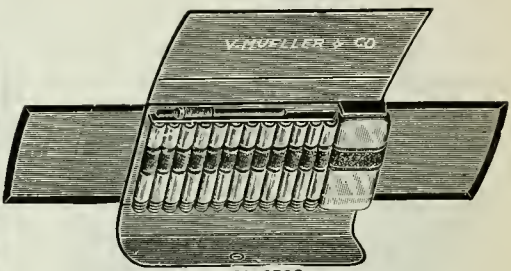
N-6575



N-6580



N-6585



N-6590

POCKET VIAL CASES

SINGLE FOLD POCKET VIAL CASES

Made of genuine Turkish Morocco.

N-6575	A 103 contains 12 two-dram vials	$1 65
N-6575	A 107 contains 12 three-dram vials	1 90
N-6575	A 111 contains 12 four-dram vials	2 15
N-6575	A 117 contains 6 one-ounce vials..	2 15
N-6575	A 130 contains 15 two-dram vials	2 15
N-6575	A 131 contains 15 three dram vials	2 40

If fitted with S. C. bottles add 15c to list.

N6585 Pocket case, double fold.

Dimensions when closed: 8 inches long, 3¾ inches wide, and 1⅝ inches thick. It is made of genuine Turkish morocco, full leather lined and closes with a glove button fastener. Morocco loops for vials and other fittings.

It contains 6 four-dram, 12 two-dram screw cap vials, also twelve tubes for hypo. tablets, each tube capable of holding twenty-five tablets. One antiseptic, solid piston hypo. syringe, with two needles in metal case, also a self-registering clinical thermometer with indestructible index, and pocket for powder papers, etc.

Price, complete $5 50
Without hypo. syringe and thermometer. 3 00

DOUBLE FOLD POCKET VIAL CASES

Made of genuine Turkish Morocco.

N-6580	A 150 contains 24 two-dram vials	$2 75
N-6580	A 152 contains 24 three-dram vials	3 00
N-6580	A 154 contains 24 four-dram vials	3 25
N-6580	A 156 contains 12 two- and 9 three-dram vials	2 75
N-6580	A 170 contains 30 two-dram vials	3 50
N-6580	A 171 contains 30 three-dram vials	3 75

If fitted with S. C. bottles add 25c to list.

We make all of our pocket vials cases of genuine Turkish morocco. Full leather lined and fitted with glove button fastener. They are made with leather loops for holding bottles, making them more flexible than when fitted with metal springs. All have a pocket for powder papers.

N-6590 Pocket case.

Dimensions when closed: 9 inches long, 3¾ inches wide and ⅞ inch thick. It is on the same general style as our No. N-6585. Made of genuine Turkish morocco, full leather lined, and closes with a glove button fastener. Morocco loops for vials and other fittings. In fact a very handsome and durable case.

It contains 12 two-dram screw vials, a self-registering clinical thermometer with indestructible index, a pocket for powder papers, etc., also an antiseptic, solid piston hypo-syringe with 2 needles and 4 tubes for tablets in metal case.

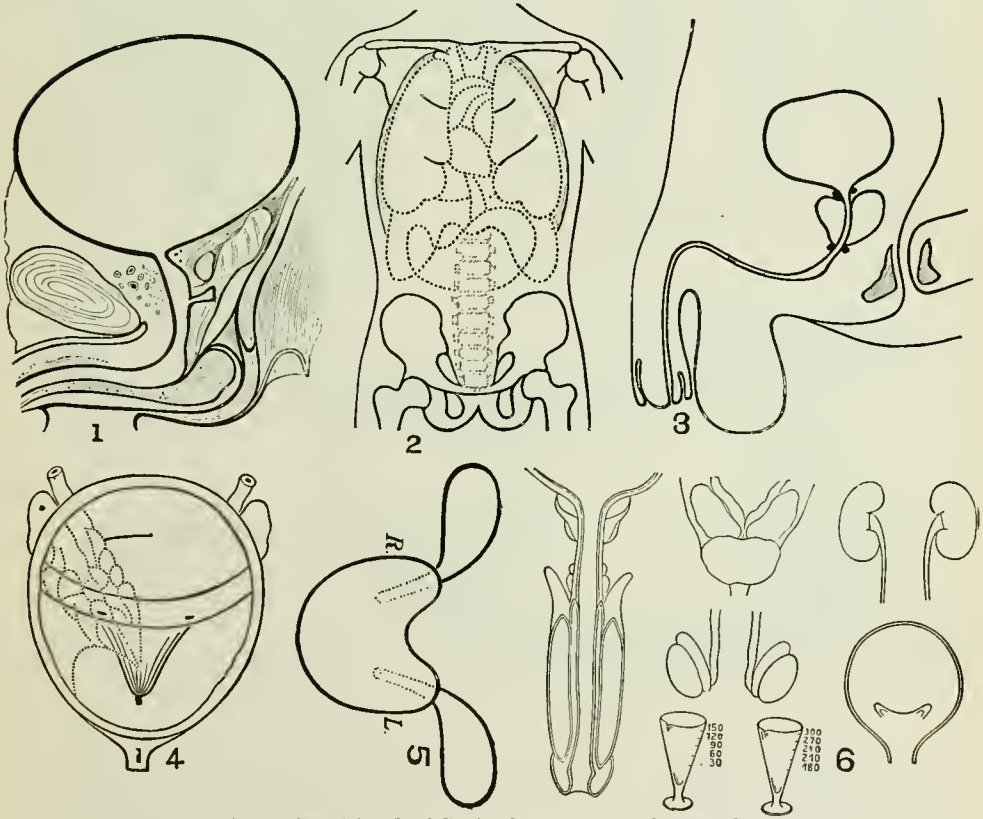
Price complete $4 50
Without hypo syringe and thermometer 2 00

Section "O"

Phimosis Ureteral Urethral

Bladder Prostatic and Rectal

Examining and Operating Instruments

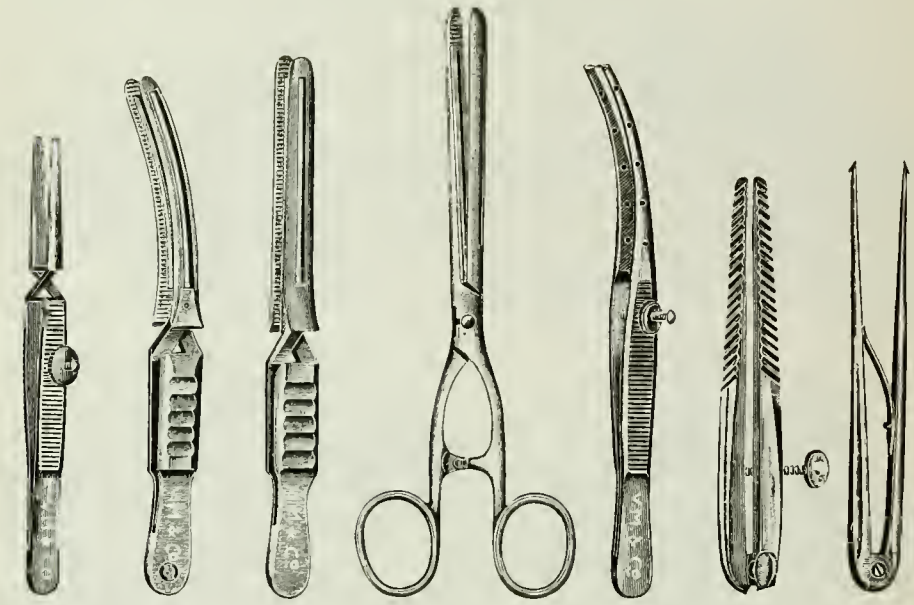


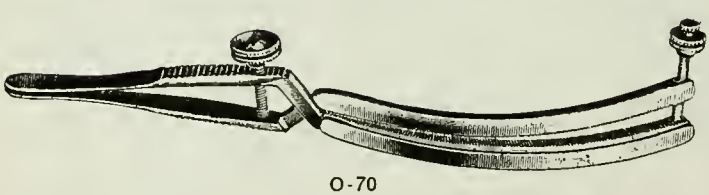
ANATOMICAL DIAGRAMS, RUBBER STAMPS

O-5	Fig.	1	$1 50
O-10	Fig.	2	1 50
O-15	Fig.	3	1 25
O-20	Fig.	4	90
O-25	Fig.	5	75
O-30	Fig.	6	1 50

These illustrations are approximately one half the actual size of diagrams.

Do not mutilate catalogue.—Specify section letter and number in ordering.







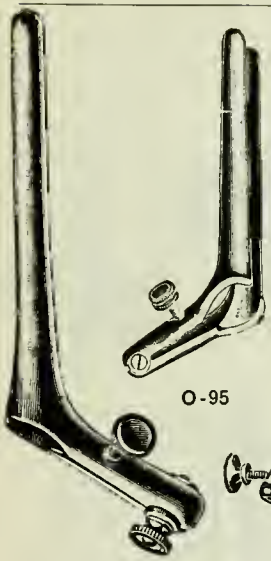




PHIMOSIS FORCEPS, SCROTAL CLAMPS, ETC.

O-35	Parker's prepuce dilator	$1 75
O-40	Skillern's curved phimosis forceps	1 75
O-45	Skillern's straight phimosis forceps	1 50
O-50	Ricord's phimosis forceps	1 65
O-55	Fisher's phimosis forceps	1 60
O-60	Levi's prepuce dilator	1 50
O-65	Girdner's prepuce dilator	1 50
O-70	Henry's scrotal clamp	6 00
O-75	Lewis' varicocele clamp	4 00
O-80	Spermatorrhea ring	50
O-85	Artificial testes	1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.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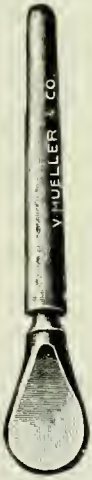
O-100



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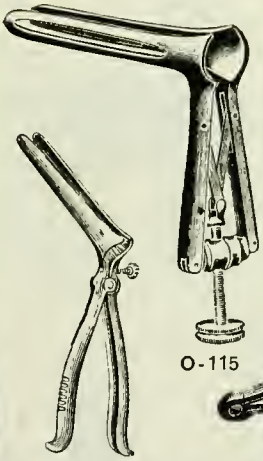
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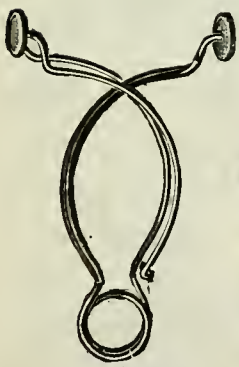
O-120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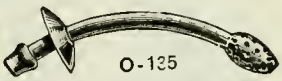
O-150



O-140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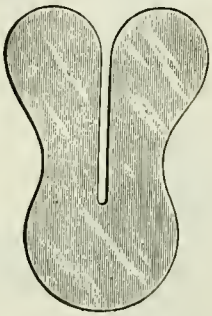
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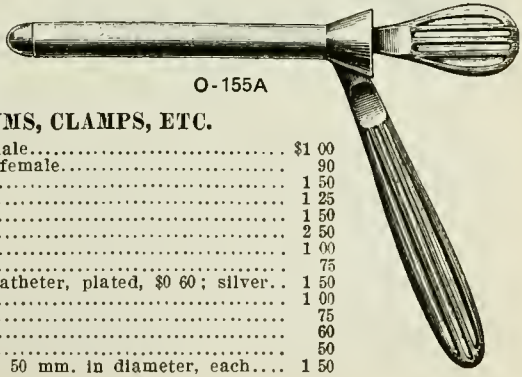
O-130

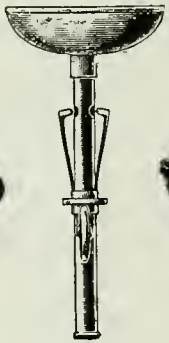

O-155A

URETHRAL SPECULUMS, CLAMPS, ETC.

O-90	Caro's urethral speculum, long, male	$1 00
O-95	Caro's urethral speculum, short, female	90
O-100	Smith's urethral speculum	1 50
O-110	Pratt's urethral speculum	1 25
O-115	Sampson's urethral speculum	1 50
O-120	Brown's urethral speculum	2 50
O-125	Piffard's meatometer, graduated	1 00
O-130	Kelly's meatus dilator	75
O-135	Skene-Goodman's self-retaining catheter, plated, $0 60; silver	1 50
O-140	Kelly's evacuating syringe	1 00
O-145	Corbus meatus clamp	75
O-150	Strauss meatus clamp	60
O-155	Circumcision shield	50
O-155A	Kelly's endoscopes, 16 sizes, 5 to 50 mm. in diameter, each	1 50


O-160


O-165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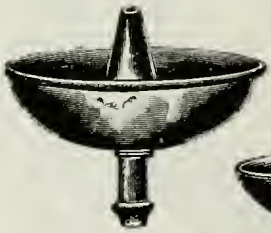
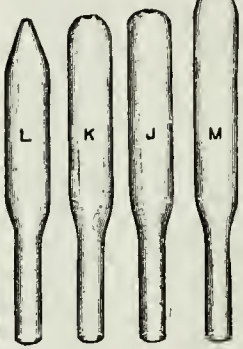

O-170


O-175



O-200


O-190



O-200B

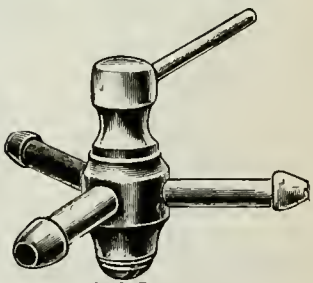


O-195


O-200A



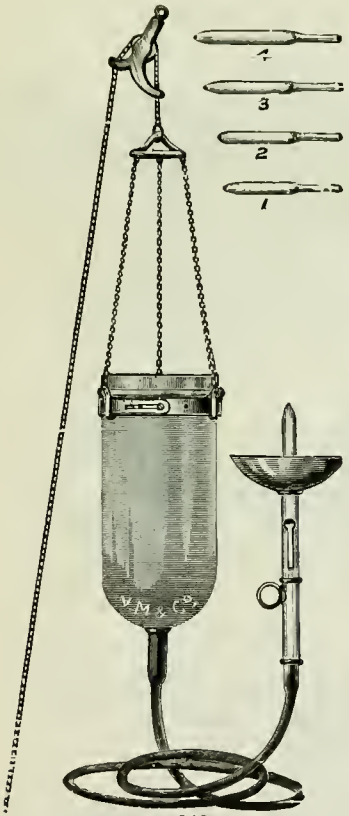
O-185


O-205

URETHERAL NOZZLES, ETC.

O-160	Chetwood's glass nozzle	$0 30
O-165	Lydston's irrigating nozzle with shield	1 15
O-170	Berlin irrigating nozzle, metal	1 00
O-175	Wheeler's irrigating nozzle and shield, is so made that it can be put on the end of the regular syringe nozzle, made of soft rubber	75
O-180	Valentine's cut-off with shield	1 25
O-185	Bremerman's cut-off and shield, made entirely of hard rubber. 2 nozzles of different sizes are supplied with the apparatus	3 50
O-190	Klefer's nozzle, hard rubber, or metal	60
O-195	Berger's irrigating nozzle	1 25
O-200	Hard rubber cut-off, made in 3 sizes, from $.40 to	60
O-200A	Double flow catheter stopcock, metal	1 00
O-200B	L, K, J, M, Valentine glass syringe nozzles, each	10
O-205	Haslam's bladder washer, three-way	1 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



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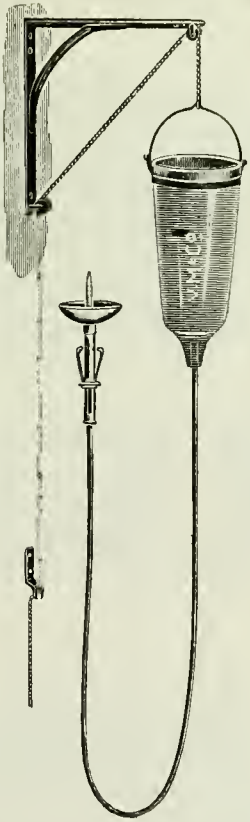

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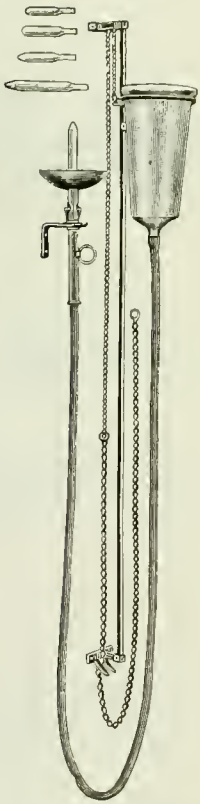

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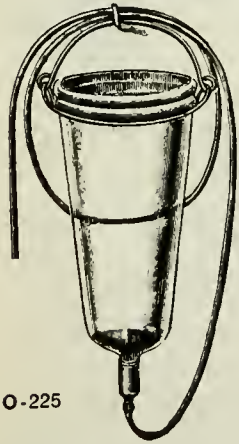

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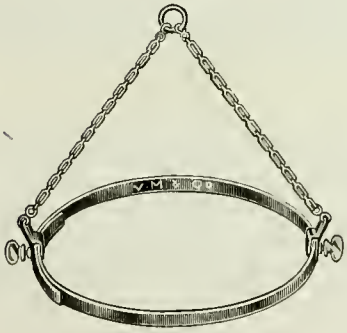


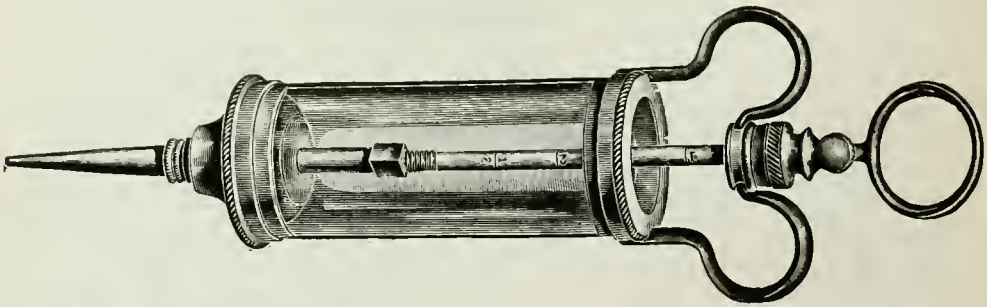
O-230



O-235

IRRIGATING APPARATUS

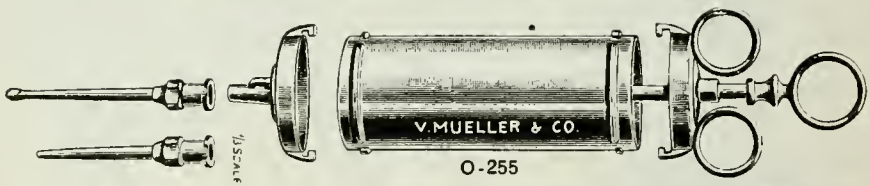
O-210	Valentine irrigating outfit, with automatic stop pulley	$6 50
O-215	Valentine irrigating outfit, with sliding bracket	6 50
O-220	V. Mueller & Co.'s irrigating outfit	3 75
O-225	V. Mueller & Co.'s irrigating outfit, with bail brass nickel plated, good tubing, brass nickel plated cover, cut-off and glass nozzle	2 25
O-230	Bail with chain and ring, adjustable to fit any percolator	1 00
O-235	Percolator frame, adjustable, with automatic pulley and chain	4 50



O-240



O-250



O-255



O-265 O-260 O-270

INJECTION SYRINGES, ETC.

O-240 Valentine's latest improved water syringe, barrel extra heavy glass, syringe can be taken apart for cleaning without trouble, 60 cc., 100 cc., 120 cc. and 150 cc., $5 00, $6 00, $6 50 ..... $7 00

O-245 Record bladder syringe, (not illustrated) barrel of glass with ground in metal plunger, metal mounts are attached to the glass with an alloy solder. These syringes have no washers or packings therefore thoroughly aseptic 50 cc. and 100 cc. $9 00 and 10 50

O-250 Vienna bladder injection syringe glass barrel with hard rubber mountings, and 2 tips, 2 oz. and 4 oz., $2 50 and..... 4 00

O-255 Alexander's perfection syringe, made entirely of metal. There are no threads on this syringe, the mountings and tips are attached by means of a bayonet friction joint, capacity 120 gr..... 9 75

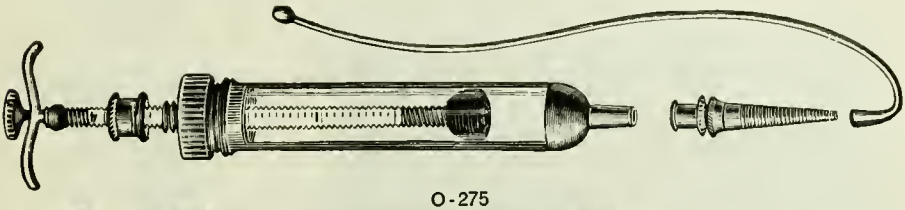
O-260 Porge's perfection syringe, barrel is made of glass and the plunger of metal which is ground into the glass with great precision. The metal mounts are fastened to the glass with an alloy solder and the ends and tips are attached by means of a bayonet friction joint in the same manner as on syringe O-255. Made in two sizes, 60 cc. and 100 cc., $13 50 and..... 15 00

This syringe is especially adapted for scientific laboratory work, as well as for the intravenous injection of Salvarsan.

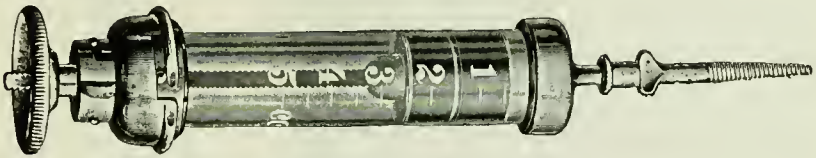
O-265 Hard rubber olive for use on injection syringes..... 30

O-270 Soft rubber olive for use on injection syringes..... 20

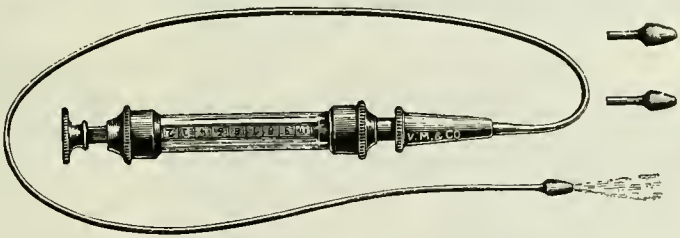
Do not mutilate catalogue.—Specify section letter and number in ordering.



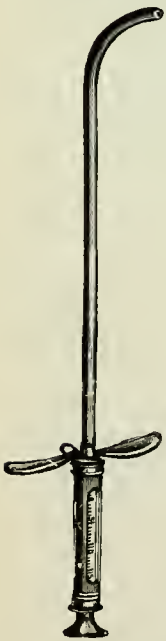
O-275



O-280



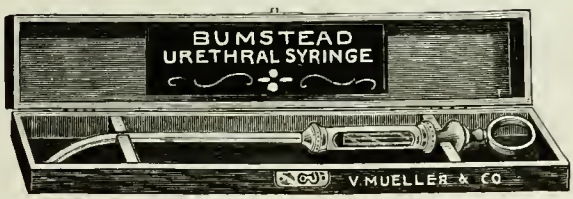
O-285



O-300



O-290



O-295



O-305

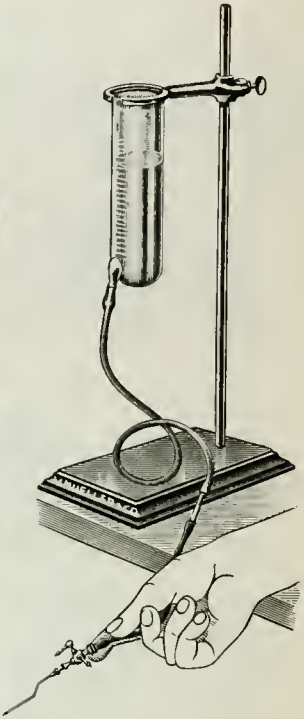
DEEP URETHRAL SYRINGES

O-275	Guyon's deep urethral syringe with catheter in case	$3 00
O-280	"Record" deep urethral syringe, capacity 5 cc., complete with catheter in metal case	6 25
O-285	Corbus deep urethral syringe, glass with hard rubber mountings, including catheter	2 00
O-290	Keyes-Ultzmann's deep urethral syringe with silver tube, in case	2 75
O-295	Bumstead's deep urethral syringe, with nickel plated tube, $1 50; silver tube	2 75
O-300	Keys-Ultzmann's syringe, nickel plated tube, no case	1 75
O-305	Belfield's deep urethral syringe, silver tube with perforated ends	2 25

Do not mutilate catalogue.—Specify section letter and number in ordering.



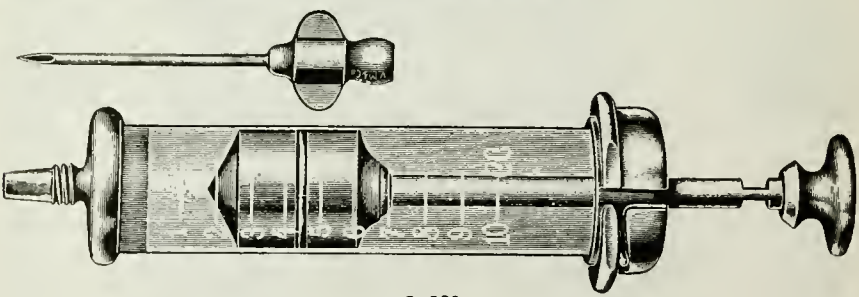
O-310



O-325



O-315



O-320

SALVARSAN INJECTION APPARATUS

O-310 Thessico Salvarsan syringe and accessories, consisting of 20 cc., all glass syringe, 2 needles, 2 drop bottles containing caustic soda solution and hydrochloric acid, one mortar with pestal, graduated mixing tube, graduated pipette, red and blue litmus paper, complete in case.....$12 00

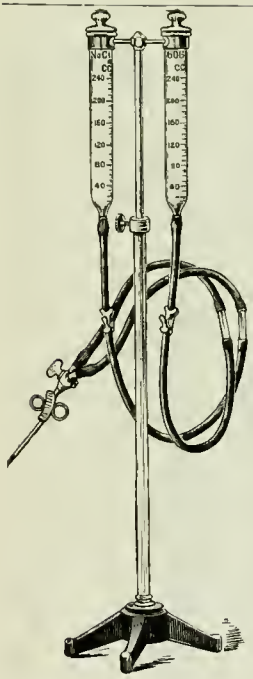
O-315 Daland's apparatus for the intravenous injection of Salvarsan. Outfit with one container, $7 50; outfit with two containers, and 2 mixing bottles..... 12 50

O-320 Ehrlich-Hata Salvarsan syringe, ("Record"), capacity 10 cc., with heavy platinum iridium needle, complete in metal case, $13 50; with heavy steel needle..... 8 25

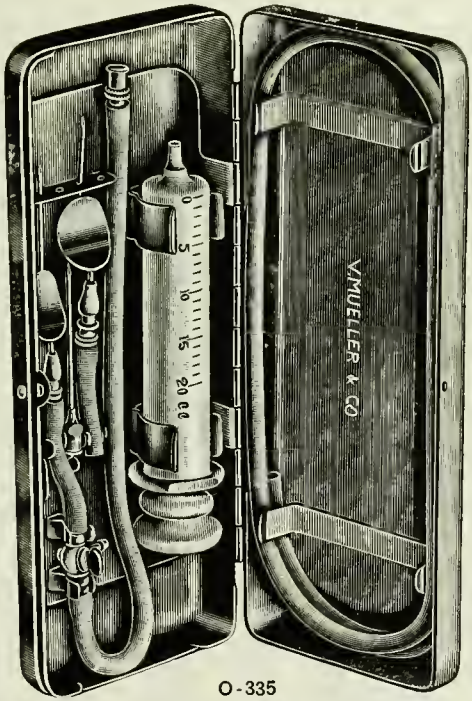
The Record syringe is made entirely of glass and metal and can be rendered thoroughly aseptic by sterilization in boiling water.

O-325 The Corbus apparatus for the intravenous injection of Salvarsan. The container is graduated to 300 cc. Complete as shown with two steel needles.....$5 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



O-330



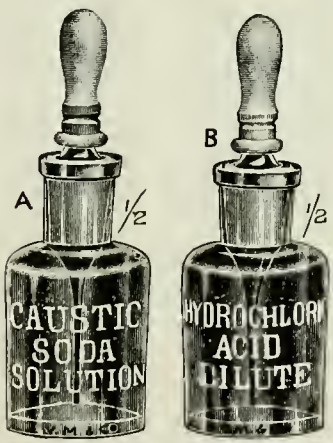
O-335

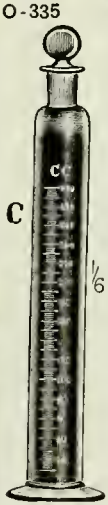


O-345

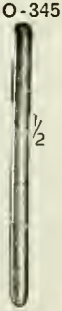


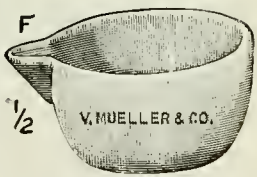
O-340











O-350 A B C D E F

SALVARSAN INJECTION APPARATUS

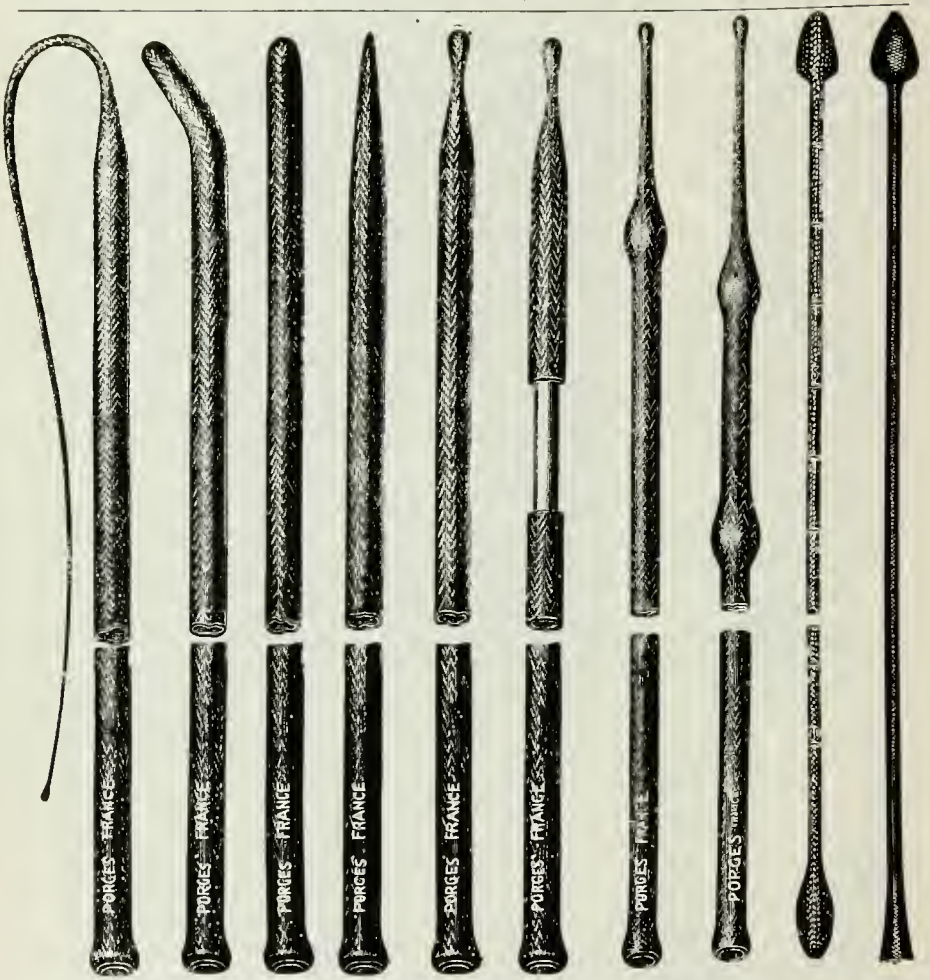
O-330 Boehm's apparatus for the intravenous injection of Salvarsan, consisting of heavy stand with extension rod, 2 containers, tubing, cutoffs, stopcock and 2 needles..$16 50

O-335 Luer syringe for injection of Salvarsan, for use either with the intramuscular or intravenous method, capacity 20 cc. Complete as illustrated with 2 steel needles $13 50; with platinum iridium needles..... 22 00

O-340 Stopcock and needle for injection of Salvarsan..... 1 75
Needles only 60

O-345 Graduated pipette 50

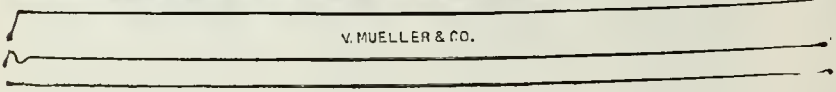
O 350 A and B pipette bottles, each $0 75; C graduated mixing bottle with glass stopper 300 cc, $1 50; D graduate, 50 cc., $0 35; E and F mortar and pestal..... 35



O-355 O-360 O-365 O-370 O-375 O-380 O-385 O-390 O-395



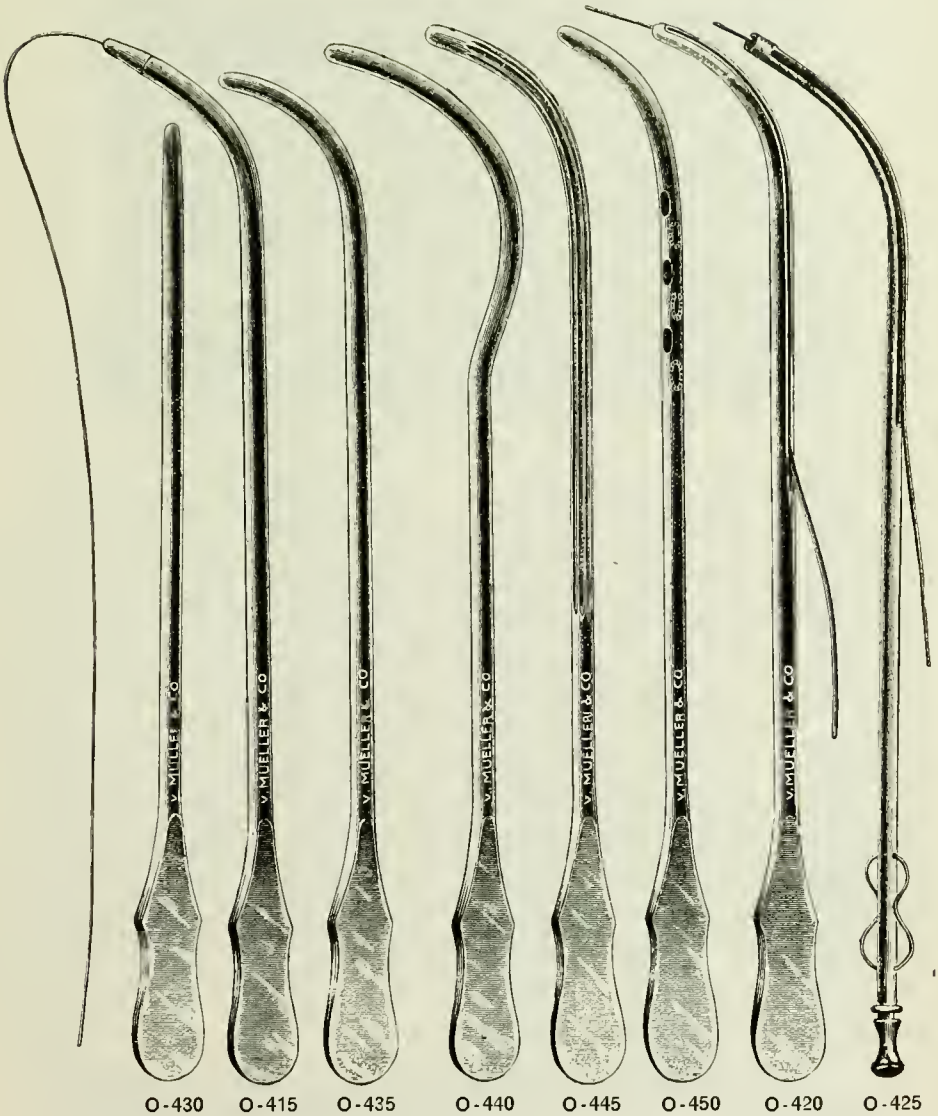
O-400



O-405

URETHRAL BOUGIES

O-355	Urethral bougie, whip shape, silk "Porge"	$1 25
O-360	Urethral bougie, Mercier's coudé, silk "Porge"	75
O-365	Urethral bougie, cylindrical, silk "Porge"	40
O-370	Urethral bougie, conical, silk "Porge"	60
O-375	Urethral bougie, olivary, silk "Porge"	60
O-380	Urethral bougie, Janet's 2 knots, silk "Porge"	1 00
O-385	Urethral bougie, Maliez', 3 knots, silk "Porge"	1 15
O-390	Guyon's acorn bougie, double ended, two shapes, silk "Porge," $0 75; same graduated, silk "Porge"	1 50
O-395	Guyon's bougie, single end	60
O-400	Bank's whalebone bougie, whip shape, made in three sizes, $1 00 to	1 25
O-405	Filiform bougies, whalebone, made in three patterns as illustrated, each	20
O-410	Filiform bougies, (not illustrated) elastic, silk, "Porge" sizes 1 to 6, olivary or conical, each	60

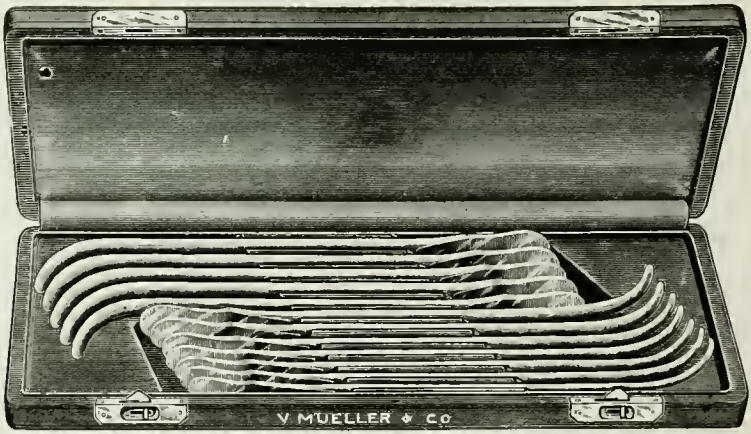


O-430 O-415 O-435 O-440 O-445 O-450 O-420 O-425

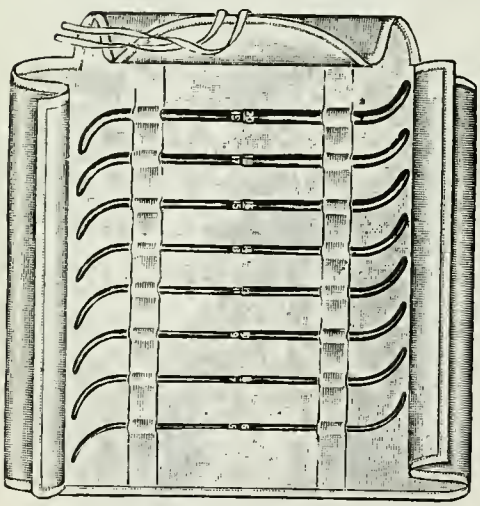
URETHRAL SOUNDS AND GUIDES

O-415	Lefort's exploring sound with Filiform guide	2 25
O-420	Gouley's tunneled sound for Filiform bougie	1 25
O-425	Gouley's catheter and Filiform guide	1 15
O-430	Van Buren sound, straight, Fr. scale 8 to 49 each	45
O-435	Van Buren sound, curved, Fr. scale 8 to 40 each	50
O-440	Benique's sound, Fr. scale 14 to 30, each	75
O-445	Grooved sound for the application of ointment etc	1 50
O-450	Van Buren's cupped sound, for the application of ointment	75
	Extra Filiform bougies with connections to screw on Fig. O-415, each	1 50

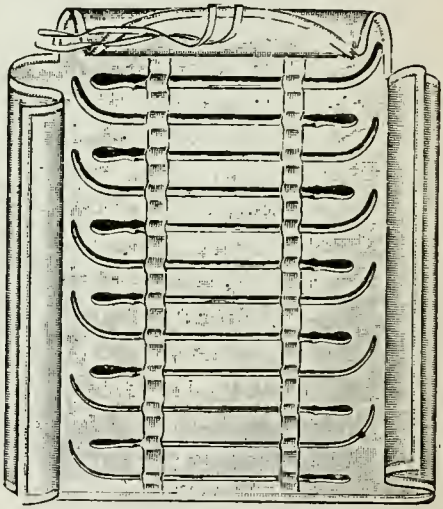
Do not mutilate catalogue.—Specify section letter and number in ordering.



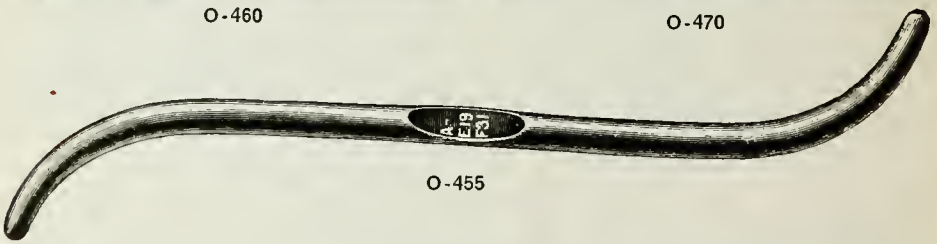
O-465



O-460



O-470



O-455

URETHRAL SOUNDS

O-455	Pratt's double curved, made in 16 sizes, each	$0 60
O-460	Set of 8 Pratt's urethral sounds, 16 sizes, in canvas roll	4 50
O-465	Set of 6 Van Buren's sounds, in leather covered case or oak box, $4 50; set of 12 Van Buren's sounds, in case	7 50
O-470	Set of Van Buren's sounds, in canvas roll	6 00

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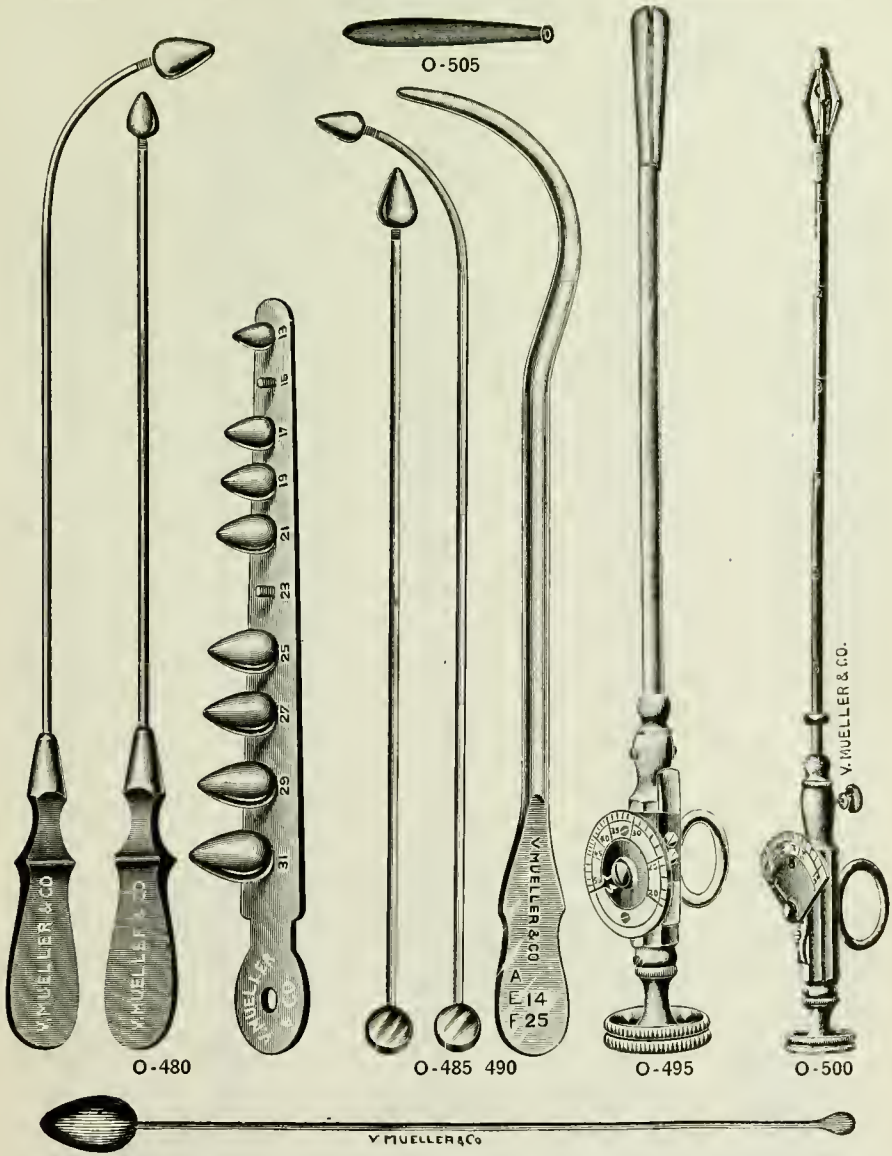
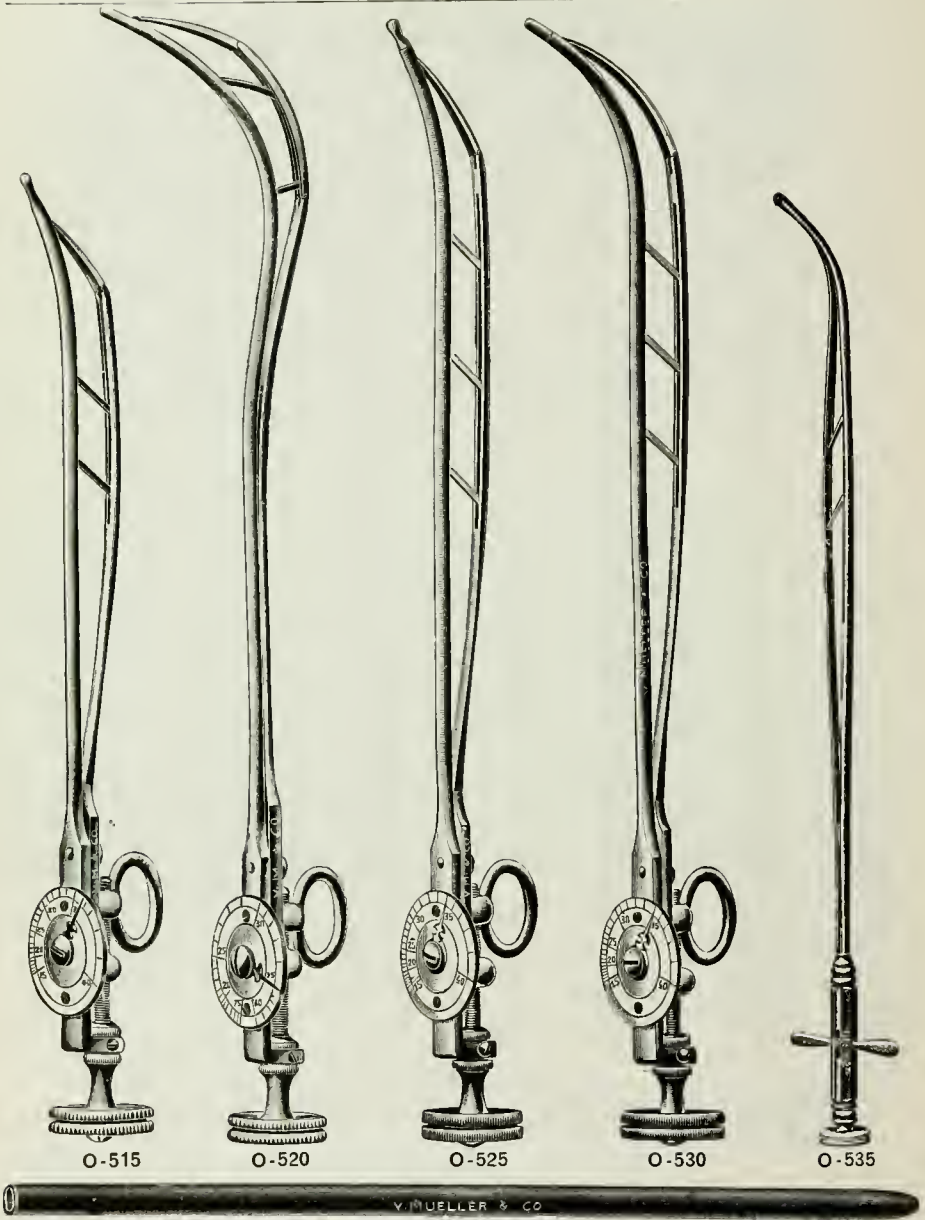


URETHRAL BOUGIES AND URETHROMETERS

O-475	Exploring bougie, Otis, regular sizes 8 to 40, each	$0 20
O-480	Nagel's bougies á boule, set of 10 olive points, with two strong stems and substantial threads, complete	3 50
O-485-490	Corbus set of 18 bougies á boule and 19 sounds, Benique curve, slightly tapered, complete set in roll	19 00
	Bougies single, $0 35; Sounds single	75
O-495	Kollman's Urethrometer	18 00
O-500	Otis Urethrometer	12 00
O-505	Rubber covers for urethrometers	20

Do not mutilate catalogue.—Specify section letter and number in ordering.



O-510

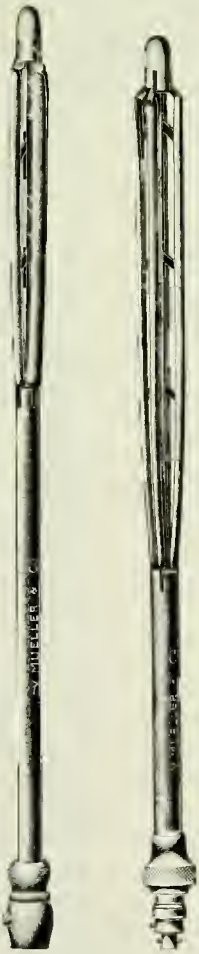
URETHRAL DILATORS AND COVERS

O-510	Rubber cover for Oberlaender's and Kollman's dilators	$0 20
O-515	Oberlaender's dilator, short, slightly curved	12 00
O-520	Oberlaender's dilator, Benique curve	14 00
O-525	Oberlaender's dilator, long, slightly curved	12 00
O-530	Oberlaender's dilator, long, posterior curve	12 00
O-535	Gouly's dilator	5 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



O-565



O-545

O-550



O- 560



O-555

URETHRAL DILATORS

O-540 Kollman's universal handle for stricture dilators and irrigators.. $6 00

O-545 Kollman's dilator, straight, short anterior, blade only, $15 50; with handle 21 50

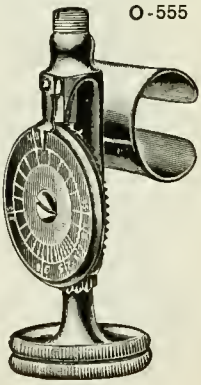
O-550 Kollman's dilator, straight, long anterior, blade only, $16 50; with handle 22 50

O-555 Kollman's dilator, for the posterior part and the anterior urethra, blade only, $22 50; with handle.. 27 50

O-560 Kollman's double curved, dilator, for the posterior and the anterior urethra blade only, $23 50; with handle 28 50

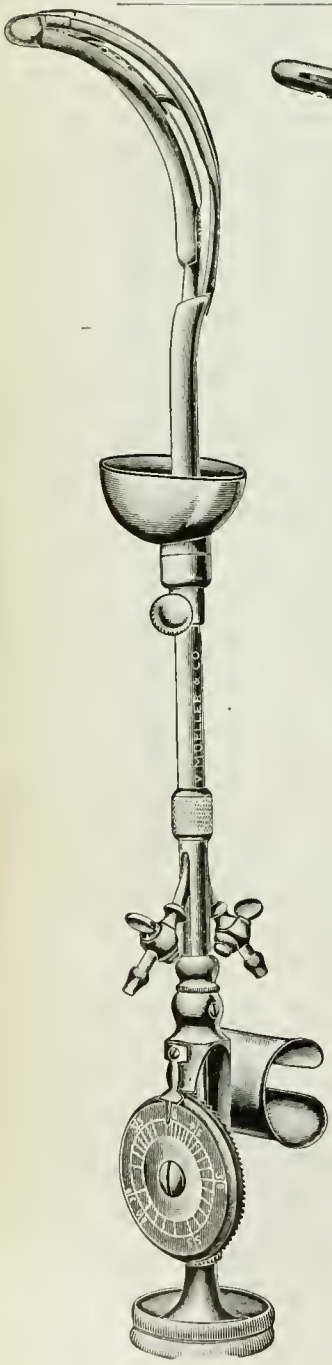
O-560A Set of three dilators fitting in one handle, Fig. O-550, Fig. O-555 and Fig. O-560. Complete in case..... 67 50

O-565 Kollman's dilator for the posterior part of the urethra, blade only, $18 50; with handle..... 24 50

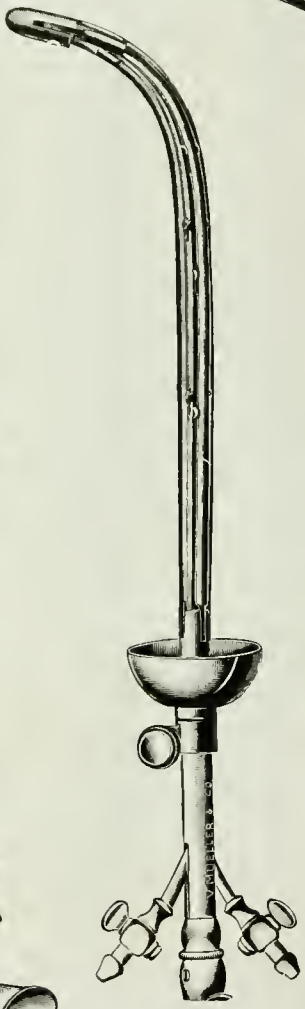


O-540

O-560A, Set of Three



O-570



O-580



O-585



O-575

DILATORS AND IRRIGATORS

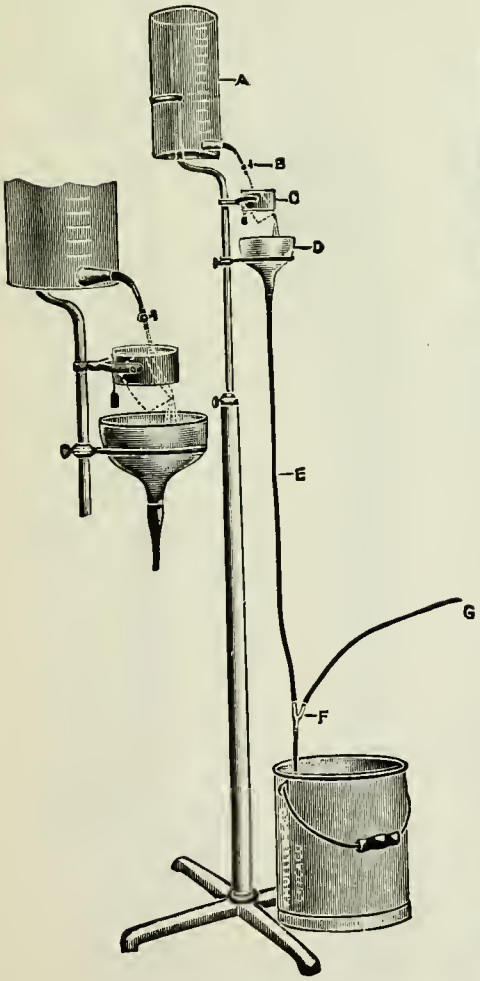
O-570 Kollman's dilator and Irrigator for the posterior urethra, blade only, $30 00; with handle.....$36 00

O575 Kollman's dilator and irrigator straight blade only, $30 00; with handle 36 00

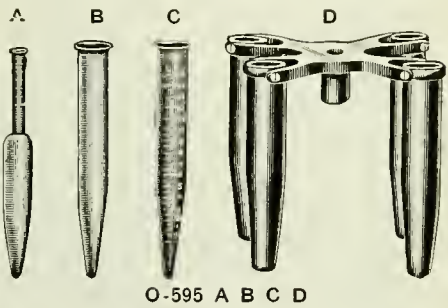
O-580 Kollman's dilator and irrigator, Van Buren curve, blade only, $30 00; with handle 36 00

O-585 Kollman's dilator and Irrigator, Guyon curve blade only, $34 00; with handle..... 40 00

While we can furnish these instruments so they will all fit in one handle, we strongly recommend our customers to buy the Irrigating dilators each with individual handle as we consider them much more substantial than the universal instrument.



O-590



O-595 A B C D



O-595

EVACUATING APPARATUS AND CENTRIFUGES

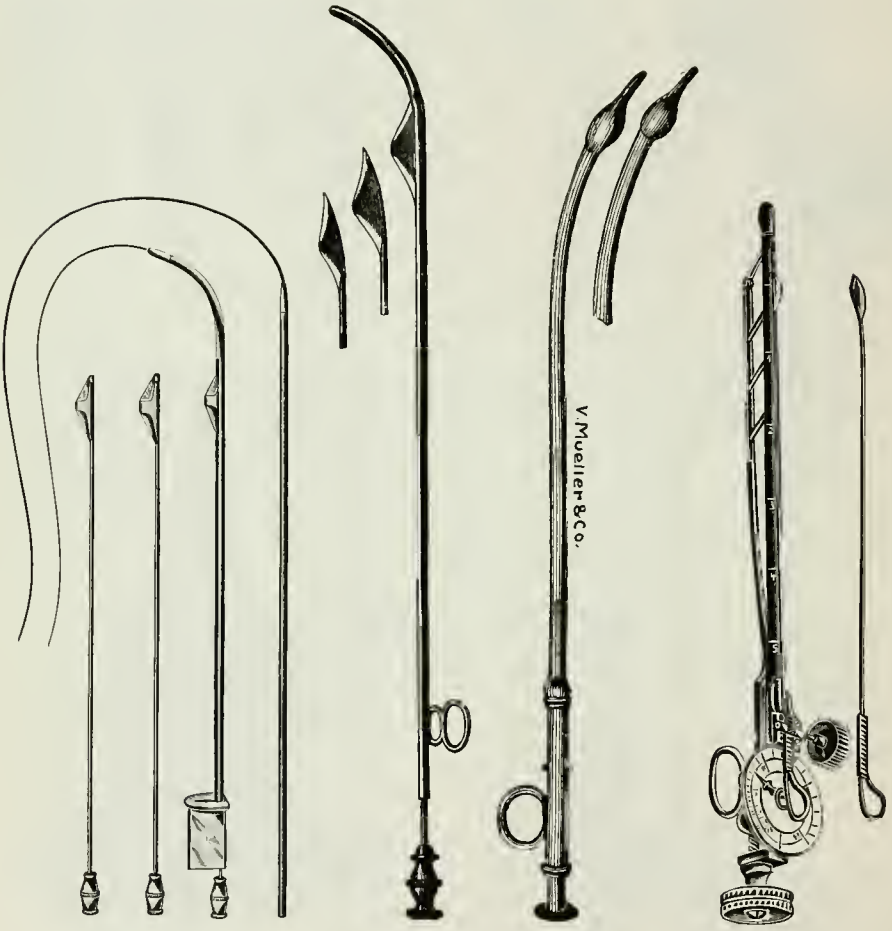
O-590 Bremerman's apparatus for complete drainage of the bladder following suprapubic or perineal cystotomy. Letters designate parts as follows: A reservoir for water; B stopcock for regulating the flow; C cup weighted in the rear to hold in place when empty; D funnel to catch the water when cup tips on being filled with water; E long tube which connects the funnel with the Y-shaped glass tube; F Y-shaped glass tube; G tube connecting the drainage tube from the bladder with the Y-shape. Complete as shown but without the waste pail, net..$25 00

O-595 Victor electric centrifuge, made for both and direct alternating current. Direct 110 volt current, $30 00. 60 cycle alternating..... 30 00

O-595A Special tube for milk analysis $0 50. B plain urine tube $0 15. C graduated urine tube $0 40. D four tube attachment, complete with aluminum tubes but no glassware $5 00. E Haematokrit, (not illustrated) with two graduated blood tubes and two plain sputum tubes..... 5 00

For other centrifuges see section P.

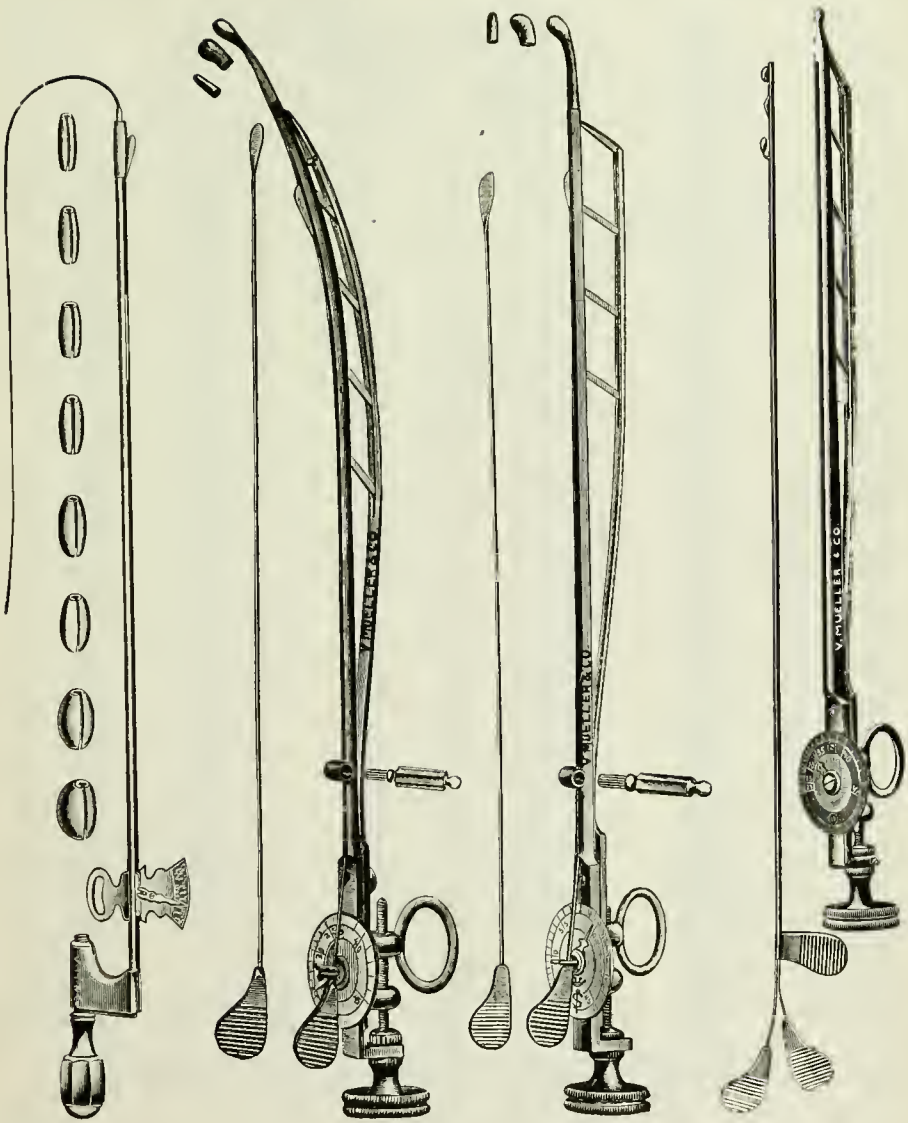
Do not mutilate catalogue.—Specify section letter and number in ordering.



URETHROTOMES

O-600 Maisoneuve's Urethrotome with tbree blades in case $9 00
O-605 Cunningbam-Maisoneuve's Uretbrotome with three blades in case 10 00
O-610 Gross' Uretbrotome, blade cutting forward, straight 2 75
O-610A Gross' Urethrotome, blade cutting forward, curved 3 00
O-615 Kreissi's dilating Urethrotome. This instrument is considered one of tbe best uretbrotomes ever invented. Tbe dilating blade is short measuring only 14 centimeters. The cutting blade is actuated by a rack and pinion. Complete in case 15 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



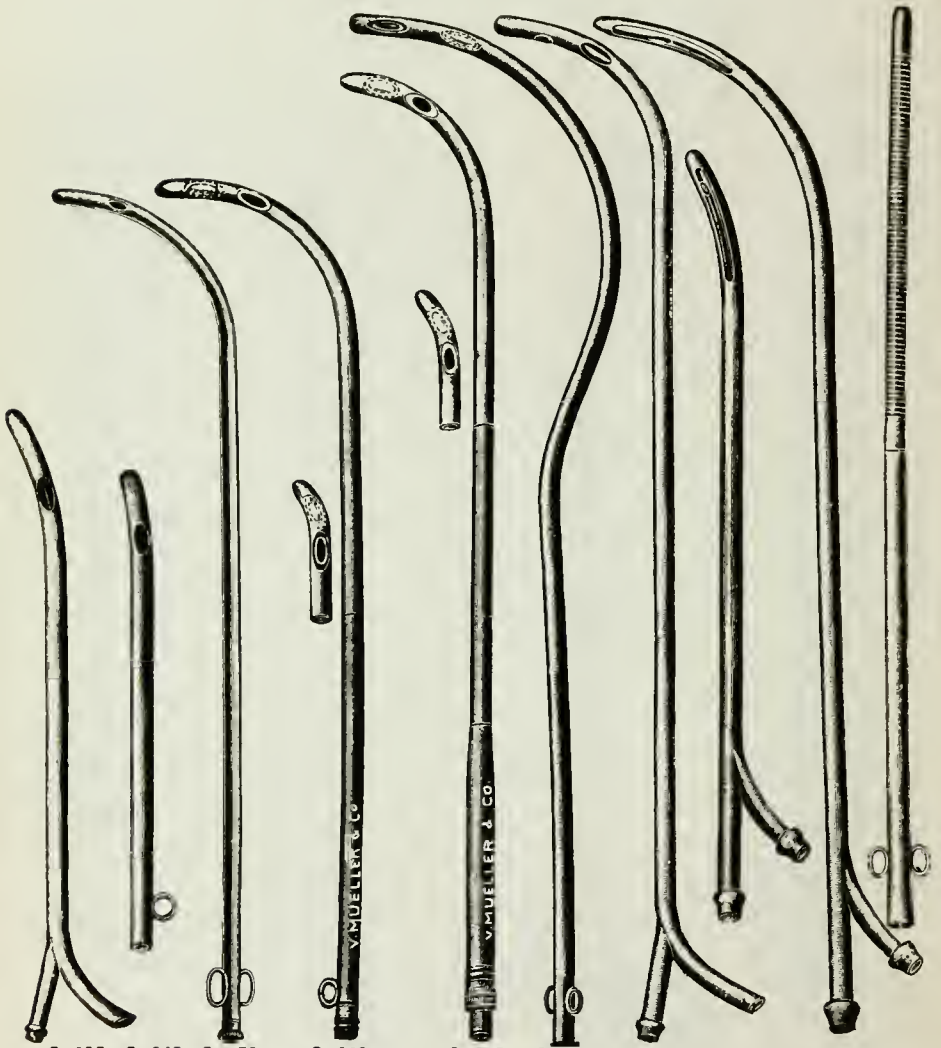
O-620 O-630 O-625 O-635

DILATING URETHROTOMES

O-620 Kollman's Urethrotome with nine metal olives, in case.....$16 50
O-625 Otis-Wyeth's Urethrotome, straight with two blades in case..... 13 50
O-630 Otis-Wyeth's Urethrotome, curved with two blades in case..... 13 50
O-635 Fessenden-Otis' Urethrotome, complete in case..... 19 00

The Fessenden-Otis Urethrotome is so arranged that the stricture can be accurately located between two bulbous points, which enables the operator to cut only at the exact point of the stricture. For this reason this instrument should appeal to the profession.

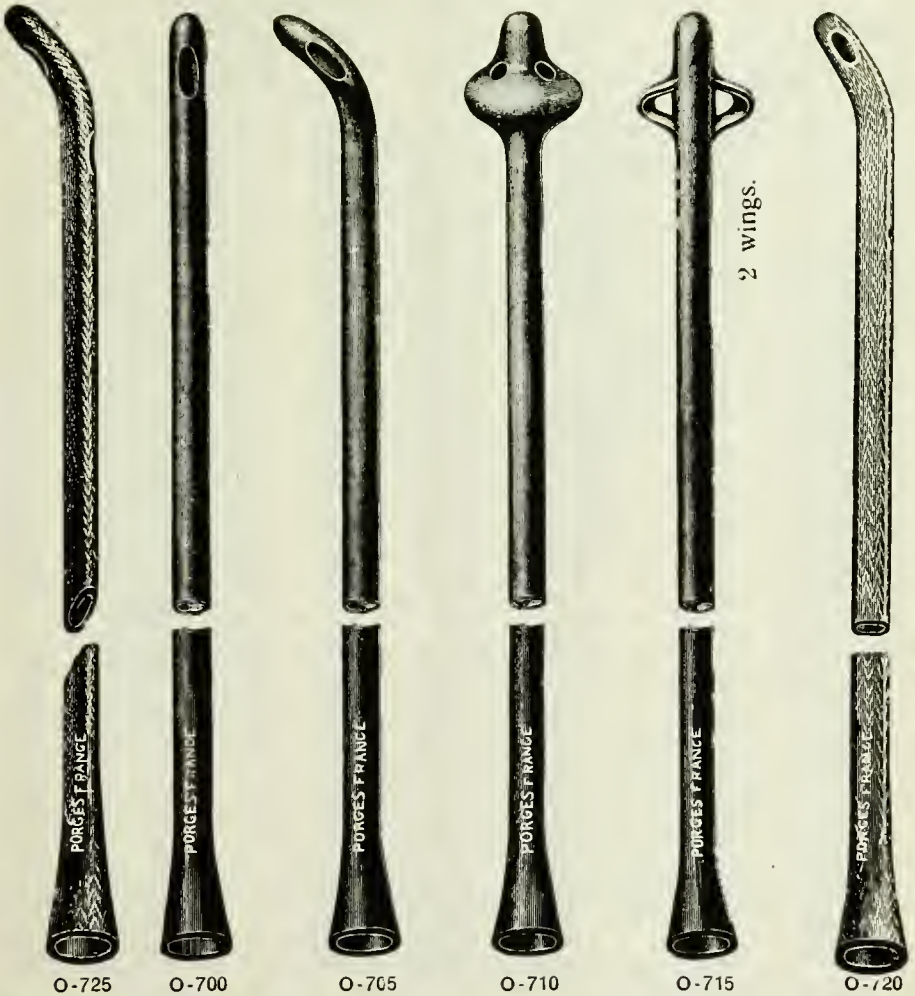
Do not mutilate catalogue.—Specify section letter and number in ordering.

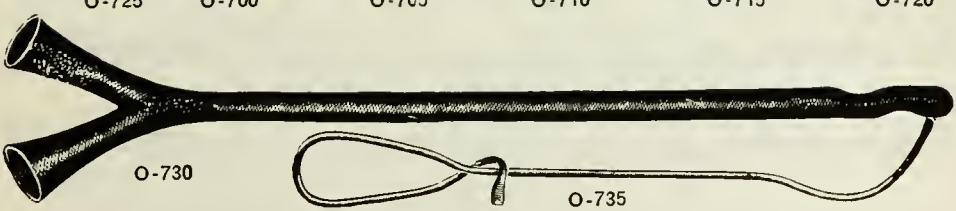


METAL CATHETERS

O-640	Metal catheter with spiral end	$1 25
O-645	Female catheter, nickel plated	40
O-650	Male catheter, carefully finished and silver plated, each, Fr. scale 8 to 25	75
O-655	Male catheter, made of pure block tin	1 25
O-655A	Male catheter, silver, according to size, from $1 75 to	3 00
O-660	Male and female catheter combined, nickel plated	85
O-665	Male and female catheter combined, with caustic holder, nickel plated	1 00
O-670	Male catheter, prostatic curve, carefully finished, silver plated	1 00
O-675	Male catheter, made of pure block tin	1 25
O-680	Male double channel catheter, nickel plated	1 00
O-685	Male double channel catheter, Nott's, nickel plated	1 00
O-690	Female double channel catheter, Nott's, nickel plated	1 00
O-695	Female double channel catheter, nickel plated	1 00

Do not mutilate catalogue.—Specify section letter and number in ordering.

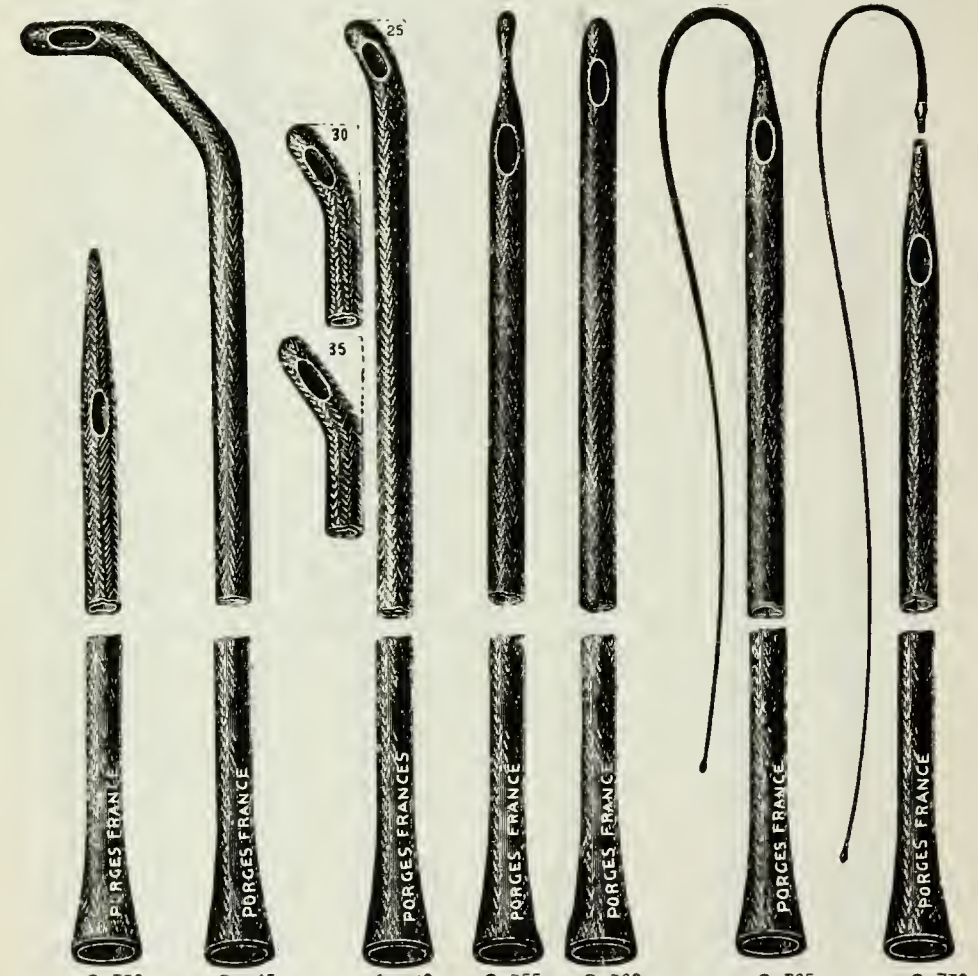


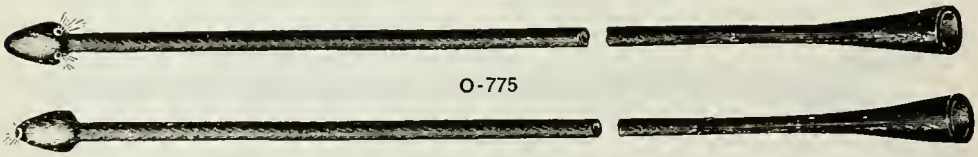


SELF-RETAINING AND OTHER CATHETERS

O-700 Nelaton catheter, cylindrical, soft rubber with depressed eye..... $0 20
O-705 Nelaton catheter, soft rubber, coudé..... 60
O-710 Pezzer's seif-retaining catheter, soft rubber..... 90
O-715 Malécot's catheter, soft rubber, with two or four wings, each..... 90
Nelaton and Mercier coudé catheters are made in sizes French scale 7 to 30.
Pezzer's and Malécot's catheters are made in sizes French scale 16 to 30.
O-720 Bratrina's flat prostatic catheter, silk "Porge"..... 1 25
O-725 Wishard's flat prostatic catheter, with two openings, silk "Porge"..... 1 25
O-730 Double current catheter, continuous irrigation..... 1 65
O-735 Mandrin for the introduction of Pezzer's and Malécot's seif-retaining catheters.... 1 00
Prices of rubber catheters subject to change without notice.

Do not mutilate catalogue.—Specify section letter and number in ordering.

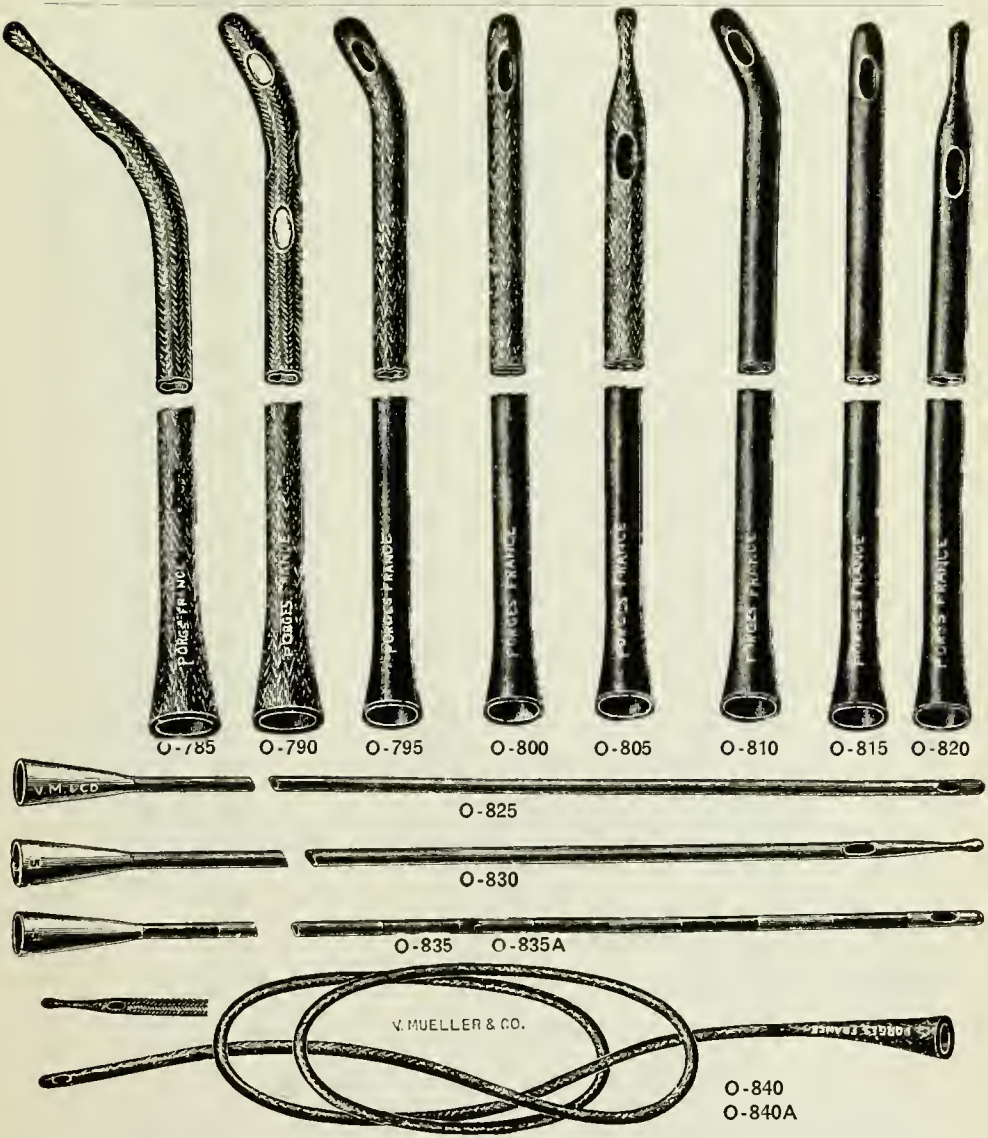




CATHETERS

O-740	Mercier coudé, catheter, silk "Porge," made in sizes Fr. scale 7 to 30, each	$0 75
O-745	Mercier hicoude catheter, silk "Porge,"	90
O-750	Conical catheter, silk "Porge"	65
O-755	Olivary catheter, silk "Porge"	65
O-760	Cylindrical catheter, silk "Porge"	65
O-765	Whip shaped catheter, silk "Porge"	1 50
O-770	Whip shaped catheter, with detachable Filiform bougie, silk "Porge"	2 00
O-775	Guyon's irrigating catheter, sizes Fr. scale 7 to 30, each	65
O-780	Theven's irrigating catheter, retrojecting, each	65

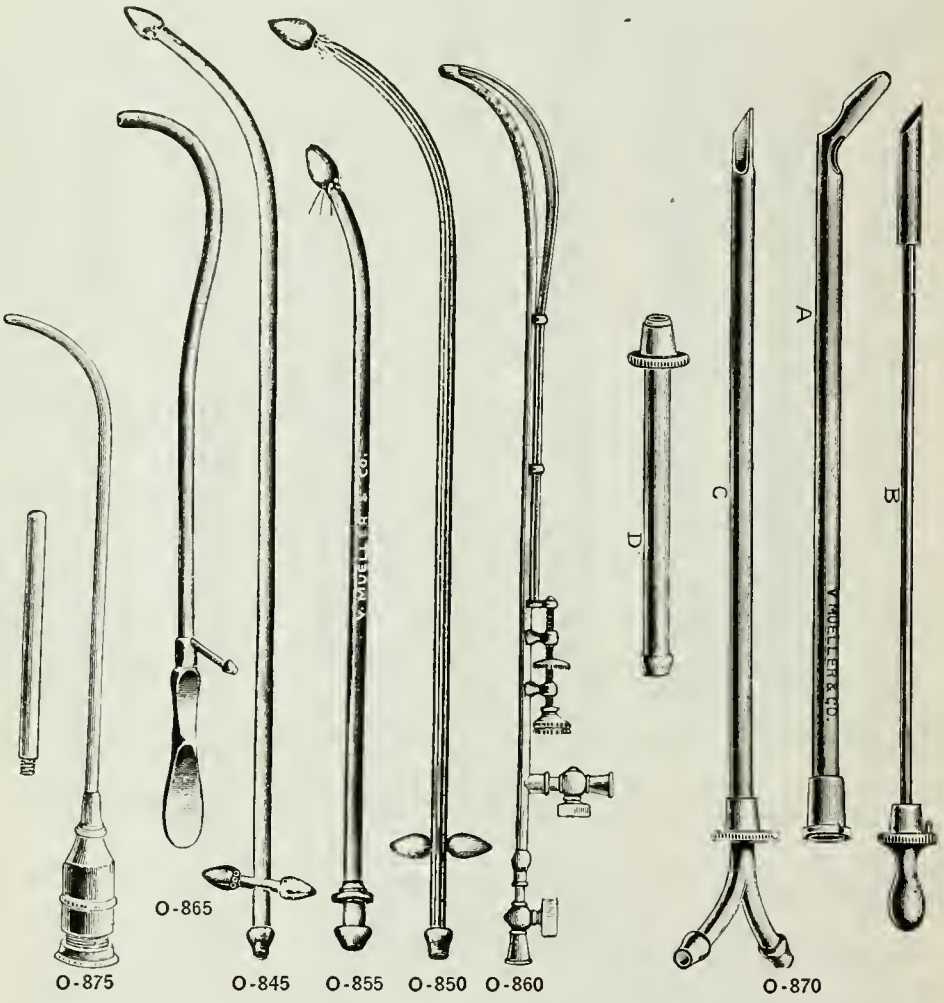
Do not mutilate catalogue.—Specify section letter and number in ordering.



CATHETERS—Continued

O-785	Guyon's catheter, olivary long curved, silk "Porge"	$0 90
O-790	Mercier catheter, coudé with 6 openings	1 25
O-795	Mercier catheter, brown or black, V. M. & Co.'s or Ruesch's, each	50
O-800	Cylindrical catheter, brown or black, V. M. & Co.'s, or Ruesch's, each	50
O-805	Olivary catheter, brown or black, V. M. & Co.'s, or Ruesch's, each	50
O-810	Mercier catheter, black, LaFrance	50
O-815	Cylindrical catheter, black, LaFrance	50
O-820	Olivary catheter, black, LaFrance	50
O-825	Ureter catheter, cylindrical, silk "Porge," 75 cm. long	1 75
O-830	Ureter catheter, olivary, silk "Porge," 75 cm. long	1 75
O-835	Ureter catheter, graduated, cylindrical or olivary	1 75
O-835A	Enard's ureter catheter, graduated, with whistle point, 75 cm. long	2 50
O-840	X-ray ureter catheter, white	3 25
O-840A	X-ray ureter catheter, Enard's graduated with cylindrical or whistle point	3 25

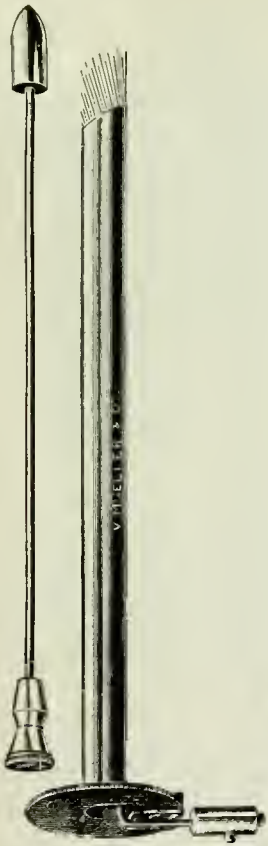
X-ray catheters are prepared by a process which will prevent the X-rays from penetrating. Length of same is 75 to 80 cm.



IRRIGATING SOUNDS AND CATHETERS

O-845 Retrojector with three different sized points..... $1 00
O-850 Pratt's retrojector with grooved tube and three different sized points..... 1 00
O-855 Retrojector, plain single tip..... 60
O-860 Leusmann's dilating irrigator, with two stopcocks..... 3 75
O-865 Strauss' irrigating sound for the treatment of chronic gonorrhoea and of prostatic hypertrophy in its incipient stages. Fr. scale 18 to 30..... 2 00
O-870 Peterkin's bladder irrigator, is especially valuable in the treatment of chronic cystitis and other conditions which require irrigation in the bladder. It consists of A catheter, B obturator, C double current canula, which fits inside the catheter when the obturator has been withdrawn, and D single current canula which may be attached to the catheter in place of the double current canula, price each.. 4 00
O-875 Robbin's ointment applicator with straight and curved tube..... 2 25

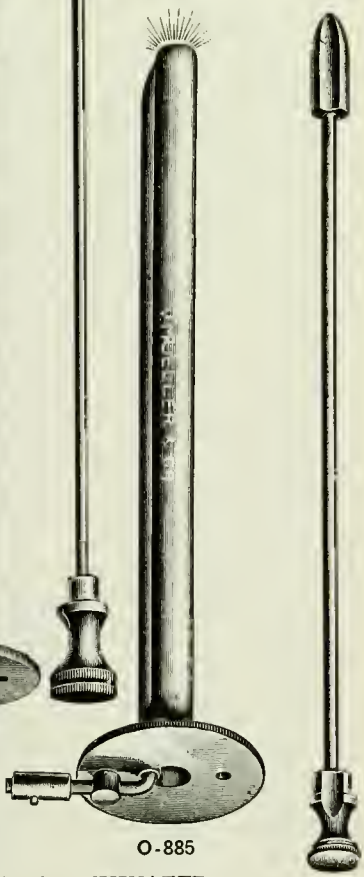
Do not mutilate catalogue.—Specify section letter and number in ordering.



O-880

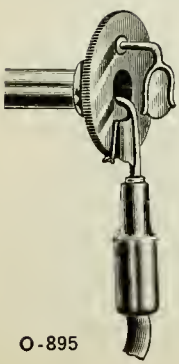


O-890



O-885

URETHROSCOPES, ELECTRICALLY ILLUMINATED



O-895

O-880 Urethroscope, Valentine's, Fr. scale 20, 22, 24, 26, 28, with obturator and light carrier $4 75

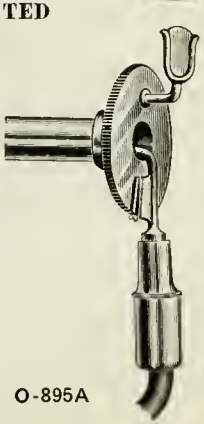
O-885 Urethroscope, Koch's Fr. scale 20, 22, 24, 26, 28, length of instrument for male 15 cm. for female 8 to 12 cm. Complete with obturator and light carrier..... 5 75

Tubes with obturator only..... 3 50

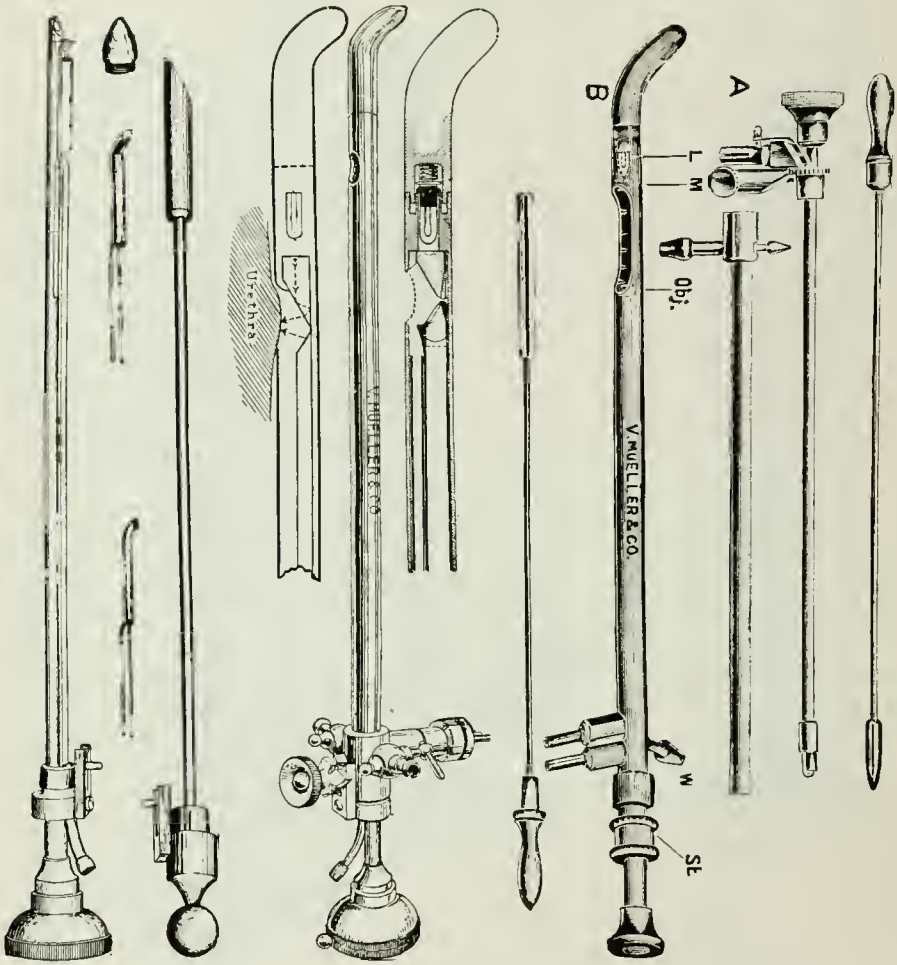
Light carrier and lamp only..... 2 25

O 890 Swinburne's posterior urethroscope, is made in three sizes, 22, 24 and 26 Fr. scale, size 24 is the most popular, with obturator and light carrier, $8.00. With window and dilating bulb..... 12 00

O 895 and O-895A illustrate an attachment suggested by Dr. F. G. Harris, which can be attached to any of the above described Urethroscopes. It consists of a metal spring clamp holding a magnifying lens suitable for the individual operator. This can be turned out of the way for the purpose of making application, price.... 1 50



O-895A



O-900 O-905

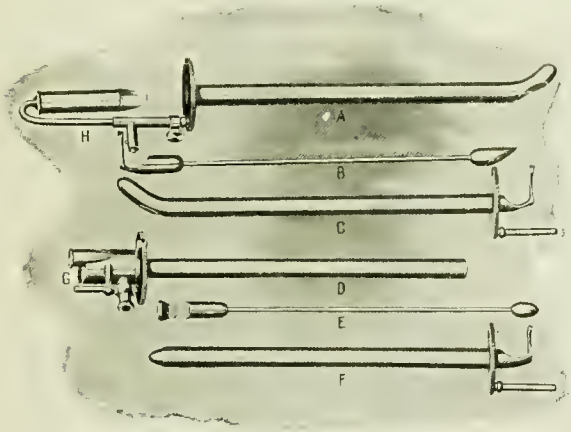
URETHROSCOPES, ELECTRICALLY ILLUMINATED

O-900 Buerger's Cysto-urethroscope is an instrument that gives an absolutely true picture of the neck of the bladder and posterior urethra, portions of the urinary tract that have hitherto escaped accurate observation. Topical applications are made just as through a urethral endoscope. A direct view can be obtained through the dry sheath by inserting an endoscopic lamp. By adjusting a fine filiform deflector to the telescope the intraculus and ejaculatory duct can be probed for a short distance, and after fixation of the large catheter guide a single catheter can be inserted into the ureters, or a fulgeration electrode can be employed to remove small tumors with the Oudin current. Complete with two filiform deflectors, long and short beak for the posterior and anterior urethra, obturator lens system, two extra lamps and cord in case.....$45 00

O 905 Goldschmidt's urethroscope for the anterior and posterior urethra, consisting of, 1 straight tube for the anterior urethra, with arrangement for illumination from the posterior end, and one tube with curved detachable end for the posterior urethra. Optical apparatus, cable, two extra lamps in case..... 65 00

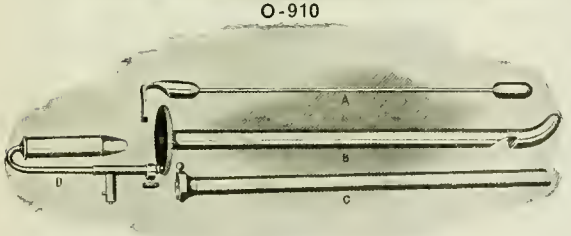
Do not mutilate catalogue.—Specify section letter and number in ordering.

URETHROSCOPES ELECTRICALLY ILLUMINATED



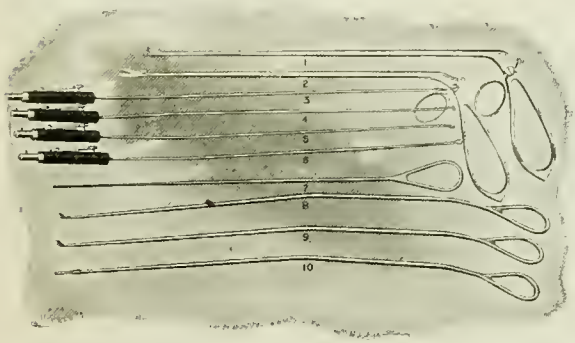
O-910

O-910 H. H. Young's urethroscopes with external illumination as illustrated here, are a set of tubes consisting of two beaked and two straight urethroscopes with obturators, light attachment and dilating window. The light carrier H rotates on a post by which it is attached to the urethroscopic tubes A, C, D and F, so that it can be readily adjusted. A small reflector in front of the left half of the lens throws more light in the urethroscopic tube, keeps it off the outer plate, and thus prevents the blinding reflection on this plate seen in some other urethroscopes. Straight urethroscopes are made, in 26 and 28 French, 15 cm. long, each.... $3 50
Beaked urethroscopes 26 and 28 French, 15 cm. long, each... 6 50
Light attachment..... 5 50
Dilating window..... 4 50



O-920

O-915 Accessories for H. H. Young's urethroscope, Dr. Young has devised a set of instruments to operate through the urethroscopes described above, they consist of the following:
Fig. 1, Intra-urethral ronguer..... 10 00
Fig. 2. A small pair of scissors..... 12 00
Fig. 3, 4, 5, 6, cauteries, each..... 3 50
Fig. 7, Fine probe.. 1 25
Fig. 8 and 9, curettes, each 4 00
Fig. 10, Porte-caustique with platinum jaws 8 00



O-915

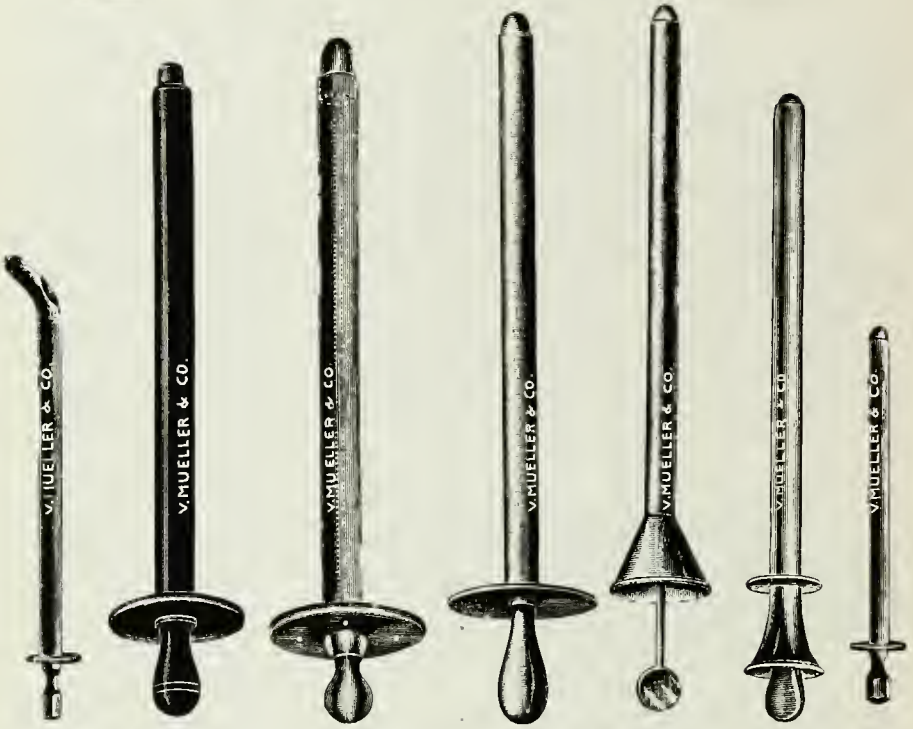
O-920 H. H. Young's urethroscopic median bar excisor consists of a tube with coudé prostatic curve and a fenestra in the inferior aspect as shown in figure B. It is provided with an obturator Fig. A, and the outer portion is constructed like the urethroscope and is provided with a similar illuminating attachment. An inner tube C is provided, one end of which has a slightly oblique sharp cutting edge. The instrument is used for cases in which there is a small bar formation in the Median portion of the prostate, not associated with hypertrophy of the lateral lobes.

Price complete with light attachment..... 18 50
Without light attachment..... 13 00
Leather covered case extra..... 3 50

The above described urethroscopes are also made in solid silver, silver soldered, price for straight tubes, each $8 00, for beaked tubes, each..... 12 50

If interested please send for larger illustrations and more detailed description.

Do not mutilate catalogue.—Specify section letter and number in ordering.



O-925 O-930 O-935 O-940 O-945 O-950 O-955

O-960

PLAIN URETHROSCOPES AND FULGERATION INSTRUMENTS

O-925	Belfield's urethroscope, posterior	$1 75
O-930	Klotz' urethroscope, hard rubber	75
O-935	Klotz' urethroscope, metal	1 00
O-940	Baldwin's urethroscope, metal	1 00
O-945	Otis urethroscope, metal	75
O-950	Bowman's urethroscope, metal	1 25
O-955	Lydston's urethroscope, metal	1 00

O-960 V. M. & Co.'s fulgeration electrode.

This electrode was designed by Dr. F. R. Cook and further modified by Dr. Belfield. When used in connection with any high frequency apparatus will deliver the high potential current through any make of cystoscope of the Nitze or Brenner type, to that portion of the bladder where foreign growths are to be destroyed. The conducting wire is insulated from the cystoscope, with a closely woven silk sheath, which is flexible, a high insulator, and may be sterilized. Due to the improved construction there is no likelihood of the current sparking the operator's hand, the current may be made, and broken at will, by means of an easily operating switch.

Price complete 5 50

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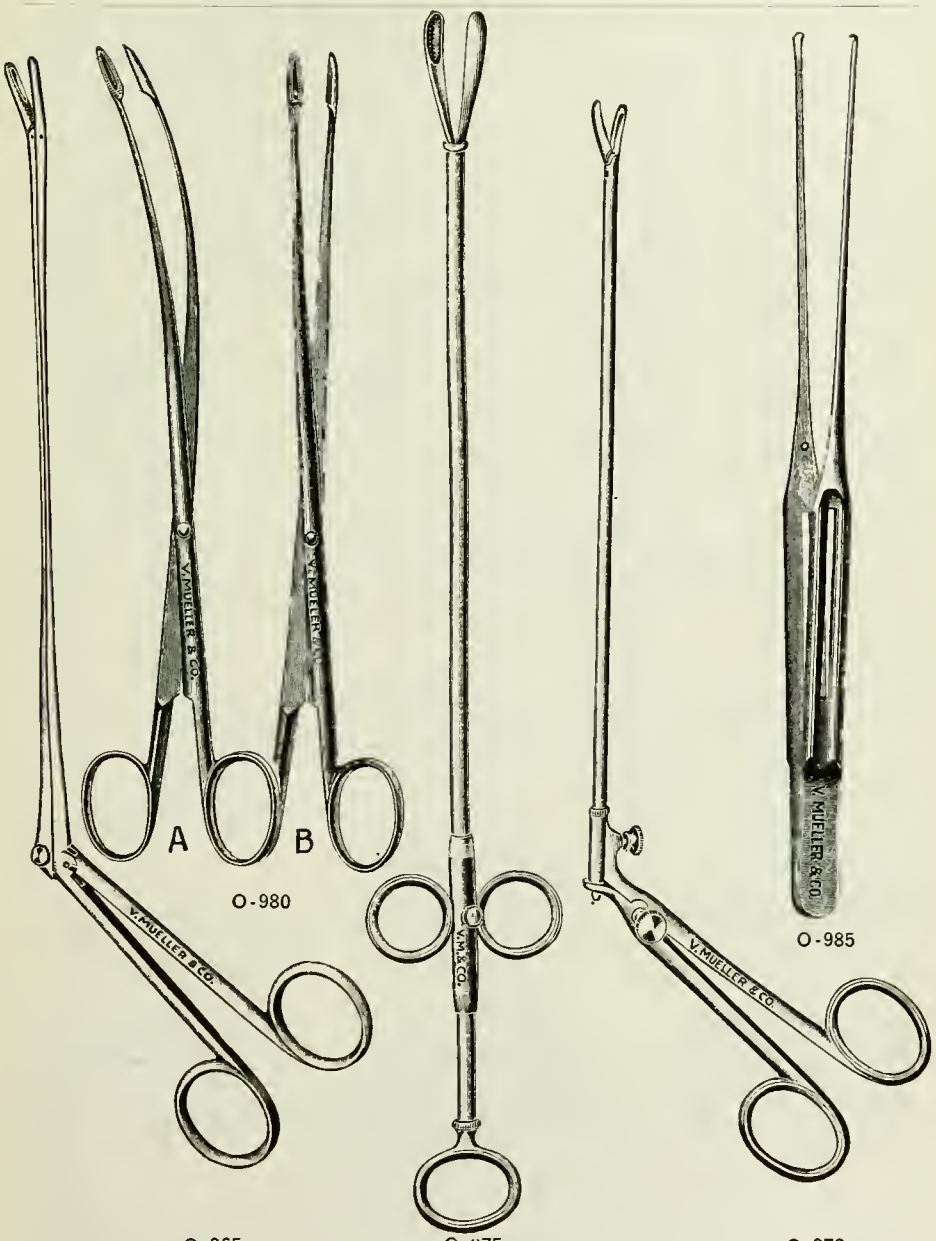


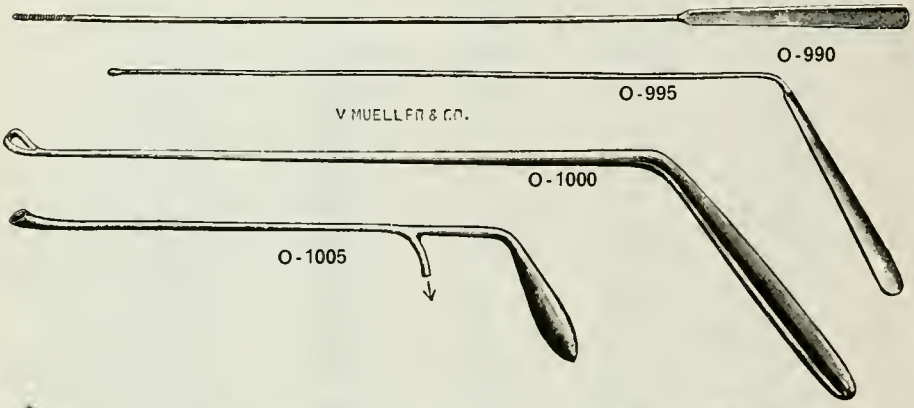
O-980 O-985

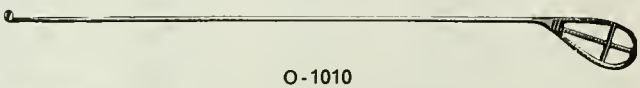
O-965 O-975 O-970

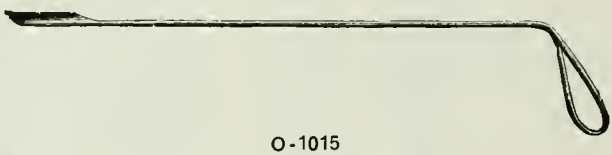
OPERATING INSTRUMENTS FOR USE THROUGH URETHROSCOPES

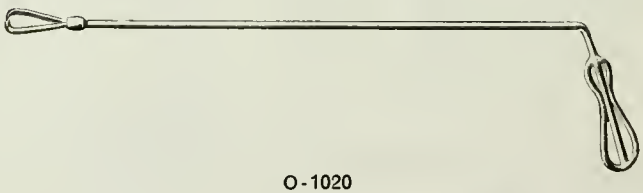
O-965 Mathew's alligafor forceps, 12 in. long, each..... $6 00
O-970 Dittel's alligator forceps, can be furnished with serrated or cutting jaws, 11½ in. long 7 50
O-975 Hunter's urethral forceps, 12 in. long..... 3 75
O-980A curved, O-980B straight, urethral forceps, Thompson's 8 Inches long, each..... 1 50
O-985 Kelly's urethral tissue forceps, 9½ in..... 2 25

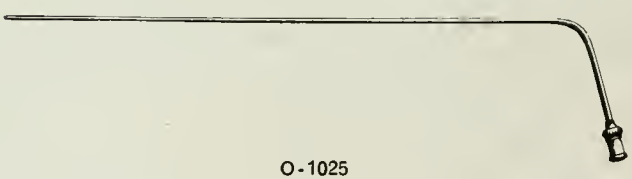
Do not mutilate catalogue.—Specify section letter and number in ordering.















OPERATING INSTRUMENTS FOR USE THROUGH URETHROSCOPES

O-990	Kelly's applicator, aluminum, each	$0 25
O-995	Kelly's urethral searcher, steel tempered	60
O-1000	Kelly's urethral curette	1 75
O-1005	Kelly's urine collector	1 50
O-1010	Urethral curette	1 75
O-1015	Urethral knives, two patterns, sharp or probe pointed, each	1 50
O-1020	Urethral sponge holders with clamp, each	1 35
O-1025	Silver canula with universal connection	1 50
O-1030	Foreign body hook	1 15
O-1035	Urethral electrode	1 50

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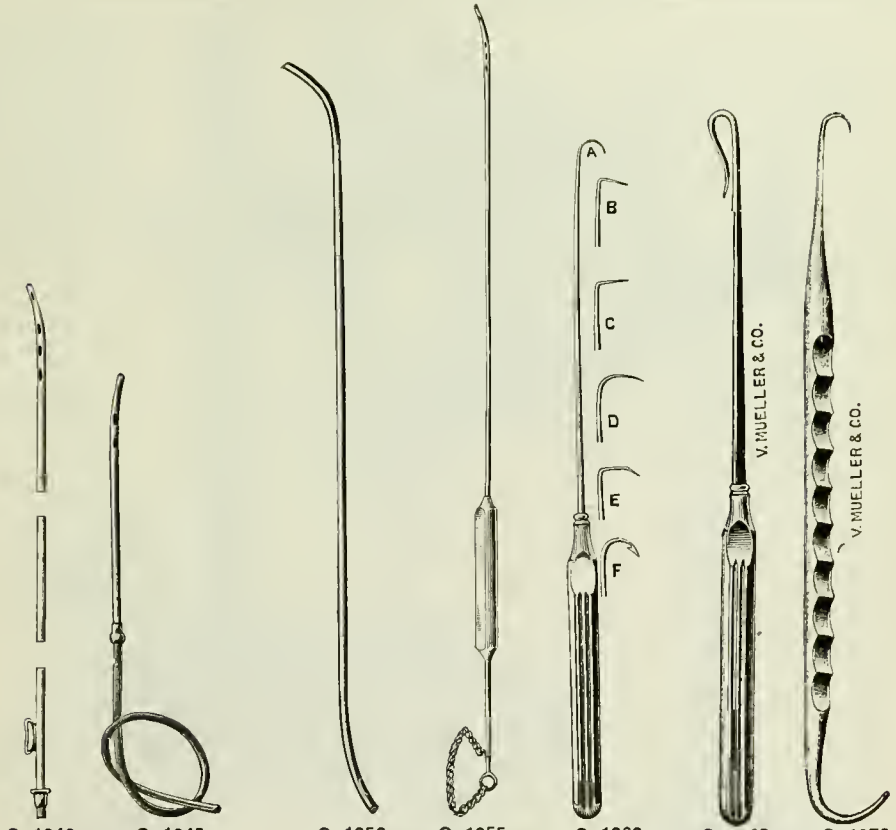
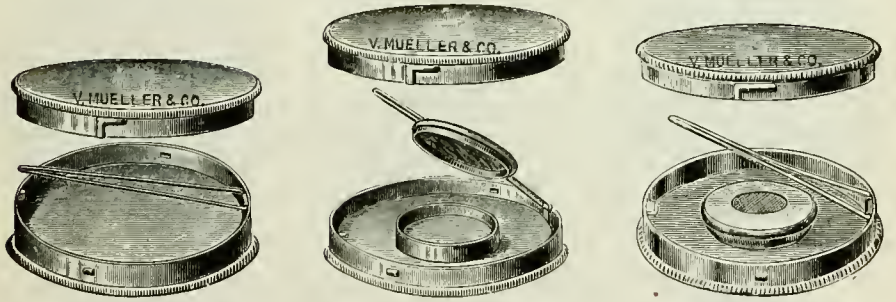


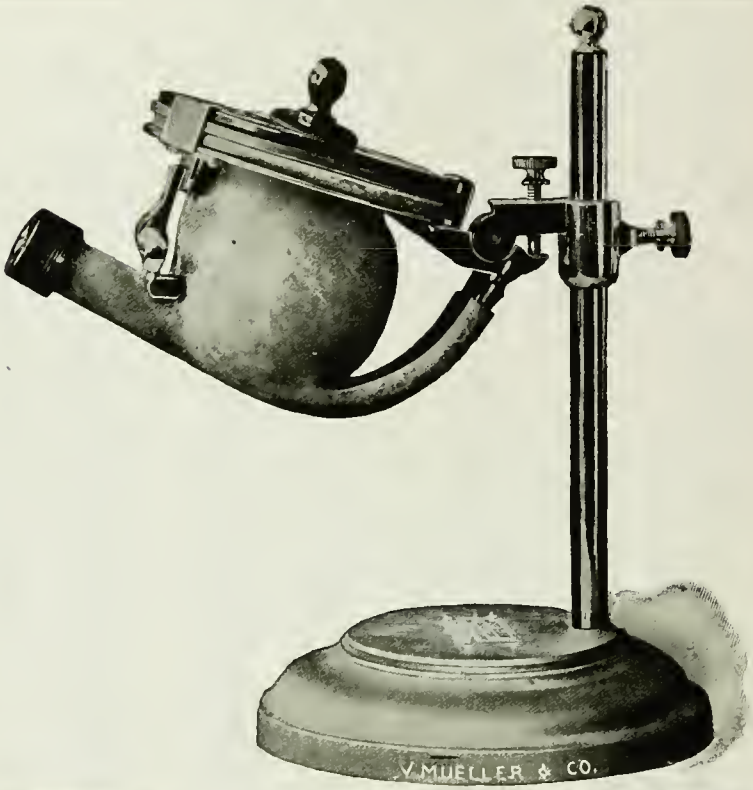
O-1040 O-1045 O-1050 O-1055 O-1060 O-1065 O-1070



O-1075 O-1080 O-1085

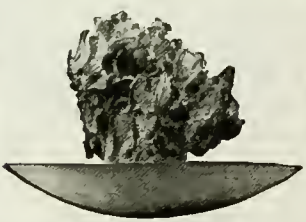
URETHRAL CATHETERS, TENACULA, ETC.

O-1040	Kelly's urethral catheter, long nickel plated	$1 00
O-1045	Kelly's urethral catheter, short, silver	1 20
O-1050	Kelly's catheter, open on both ends, small calibre	1 00
O-1055	Kelly's catheter, with handle, plug and chain	1 50
O-1060	Uterine tenaculas, with various curves, each. Please order by letter, A, B, C, D, E or F.	50
O-1065	Kelly's tenacula, with shepherd crook	65
O-1070	Kelly's tenacula, with finger hook and serrated handle	85
O-1075	Metal catheter carrying case, designed to bold soft rubber catheter	1 00
O-1080	Metal catheter carrying case, same as above, with the exception of having a small compartment in the center with a tight fitting lid for vaseline and other lubricant	1 10
O-1085	Metal catheter case, same as above with a small compartment for formaldehyde as a disinfectant. The lid has a fine wire gauze top	1 10





Tuberculosis vesicae



Papilloma vesicae

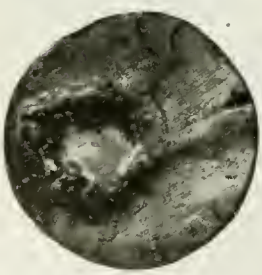


Oedema bullosum

O 1090 DR. V. BLUM'S NEW BLADDER PHANTOM

Complete with accessories as illustrated, net....$35 00

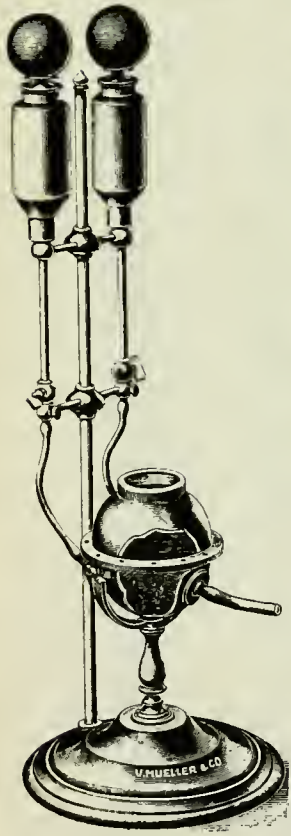
For full description see next page.



Carcinoma vasiae



Vessie à colonnes



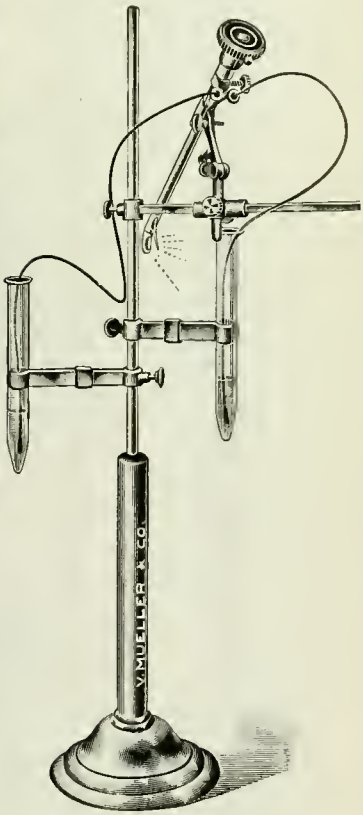
O-1095



O1105



O-1100



O-1110

O-1090 New bladder phantom suggested by Dr. V. Blum for practicing examination and catheterization by means of the cystoscope, illustrated on page 32.

This phantom is made of one piece of a rubber compound which will resist the ravages of time much longer than other phantoms now offered to the profession. There are several new features not found in other phantoms, such as a hard rubber stopper which can be removed so the spectator may easily observe the movements made by the operator, with the cystoscope. The position of the phantom can be changed up or down, by means of a set screw. The interior of the bladder when filled with water, is an exact reproduction of the natural bladder as regards the color and shows the ureter opening, the Trigonum, a beginning Prostatahypetrophy, etc. The knob on top of standard can be unscrewed, and an apparatus such as shown on top of phantom Fig. 1095, may be attached by means of which dropping of urine from the ureter is simulated.

With the phantom we also furnish four bronze discs accurately modelled to nature and painted in color representing the more prevalent diseases of the bladder, as illustrated in actual size. In addition we furnish a reproduction of a papilloma which can be fastened into the phantom by means of a metal spring. This is for the purpose of practicing operating in the bladder.

O-1095 Apparatus simulating the action of dropping urine from the ureters into the bladder, can be attached to phantom, net.....$13 50
Complete with bladder phantom figure 1090, net..... 48 50

O-1100 Bladder phantom suggested by Prof. Nitze..... 22 50

O-1105 Bladder phantom suggested by Dr. Bransford Lewis, latest model..... 15 00

O-1110 Cystoscope stand suggested by Dr. Stoeckel, with clamps holding two urine collecting tubes, and adjustable clamp for holding cystoscope..... 16 50

This apparatus is of great value to the teacher of diseases of the bladder and cystoscopy.

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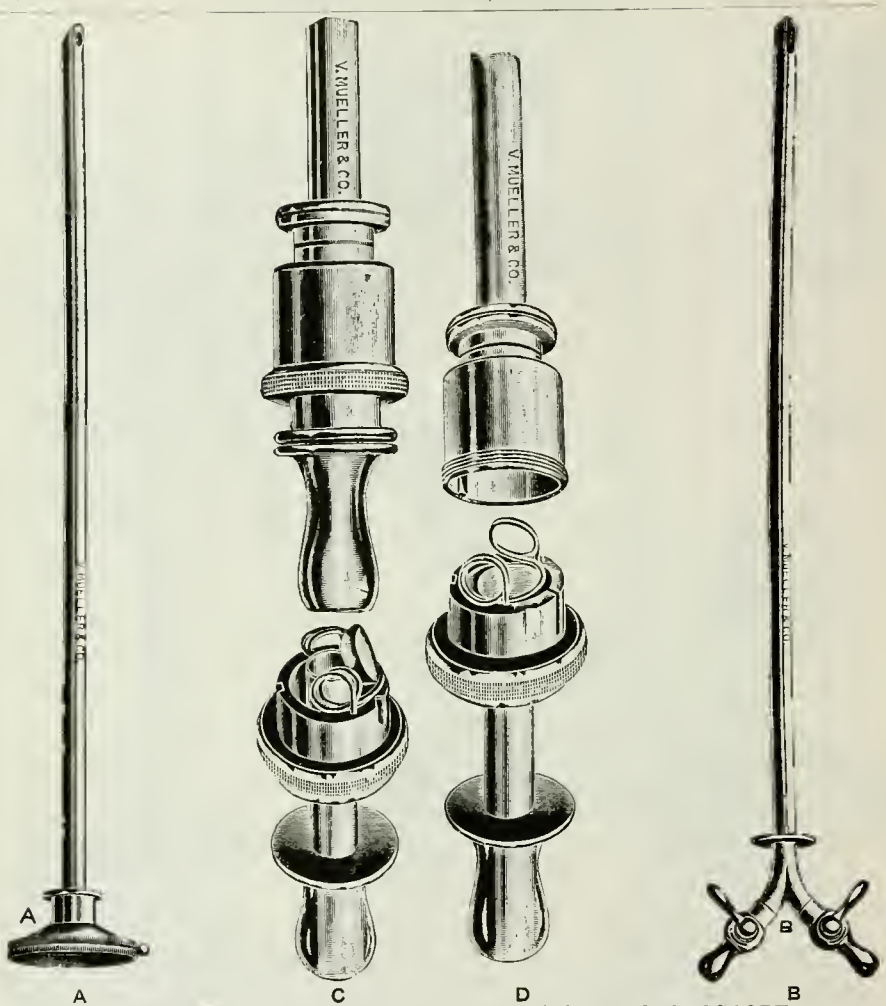
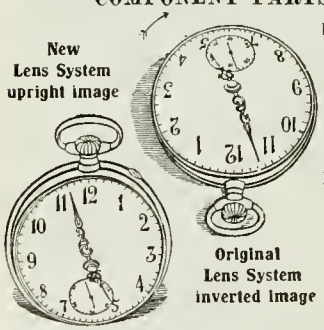


COMPONENT PARTS OF THE NEW RINGLEB CYSTOSCOPE



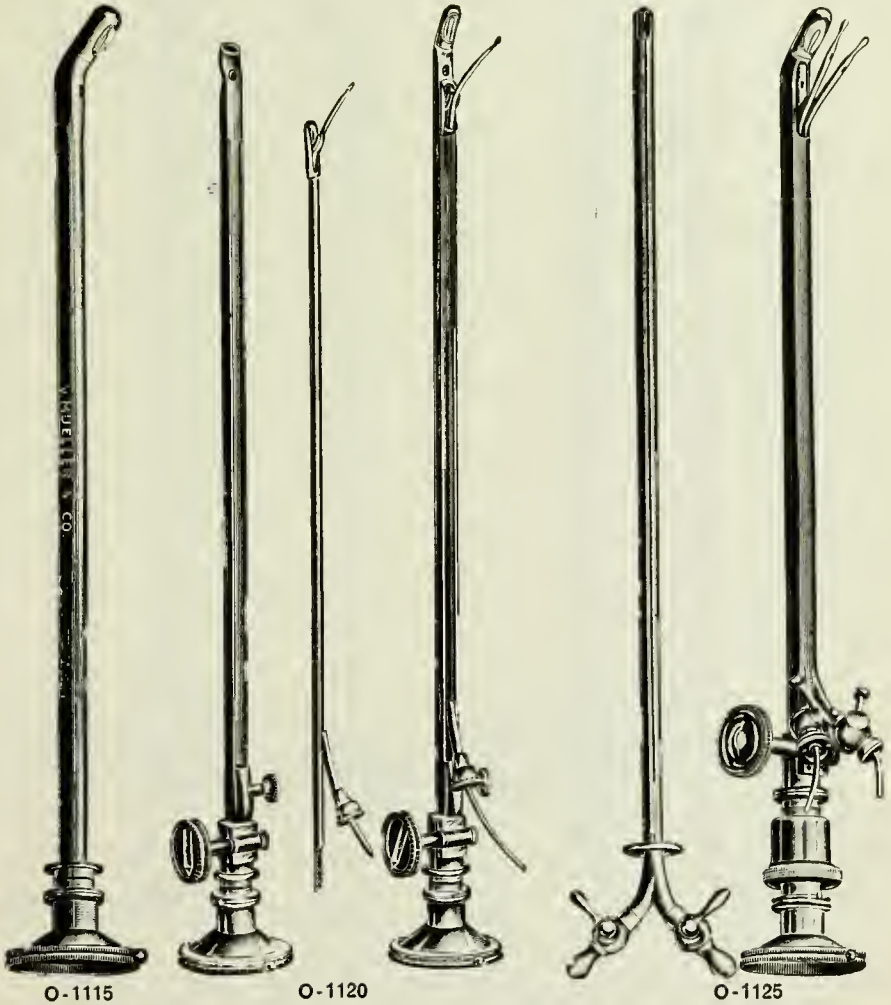
E

Fig. A represents the removable lens system employed in connection with our new Nitze-Ringleb examining, catheterizing, irrigating and evacuating cystoscopes with upright image. These new lens systems are supplied by Carl Zeiss Optical Works of Jena, and show a right sided and upright image, thereby making catheterization much simpler than in earlier types of cystoscopes.

Fig. B represents the double channel irrigating attachment. If while examining the bladder the water distending same becomes clouded, the lens system may be withdrawn, and by means of this irrigating attachment the bladder is refilled with clear water. In this way the bladder may be emptied and refilled without disturbing the cystoscope proper.

Fig. C and Fig. D illustrate the new automatic valve which is fitted with powerful springs, of non-oxidizing metal.

When the lens system or irrigating attachment is withdrawn from the sheath, this valve closes immediately and prevents leakage from the bladder. The short tube illustrated in C and D has a large bore and is used in connection with an evacuating bulb for the purpose of removing small particles from the bladder which cannot be removed by irrigation.



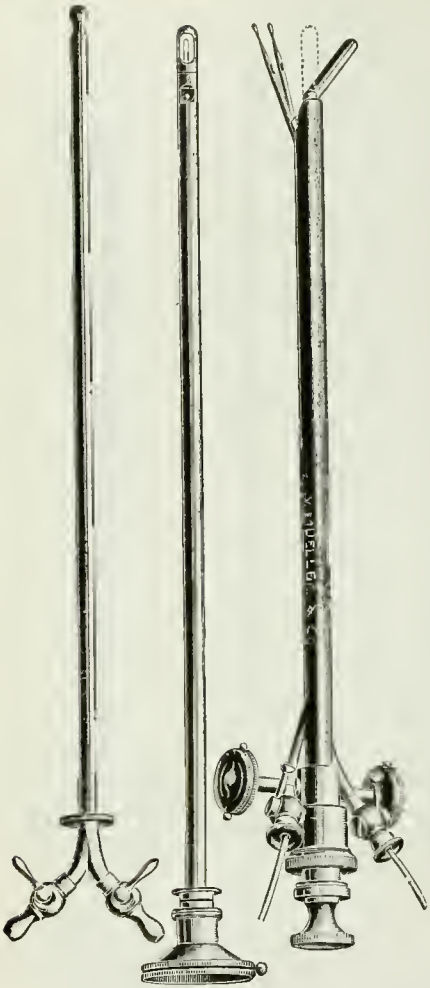
CYSTOSCOPES WITH RIGHT-SIDED AND UPRIGHT IMAGE

O-1115 Nitze-Ringleb examining cystoscope, made in three sizes, 15, 18 and 21 French.....$40 00

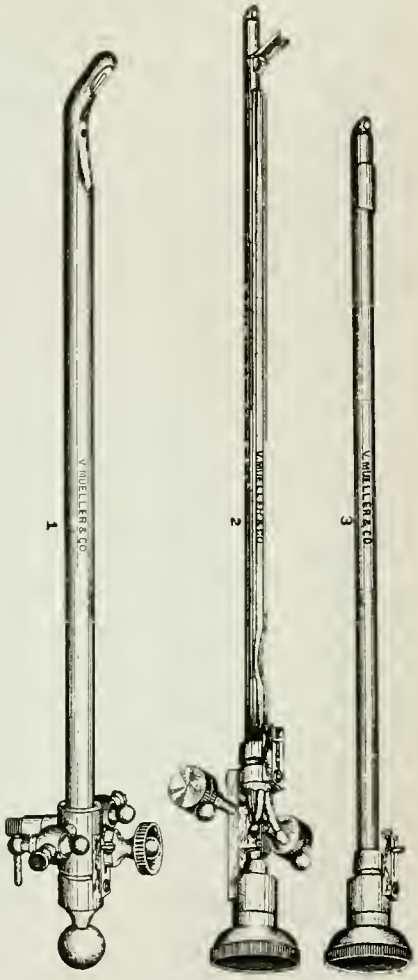
O-1120 Nitze latest improved examining and catheterizing cystoscope, with right-sided and upright image, complete with one reserve lamp, conducting cords, stopcock and one catheter, in case..... 65 00
With double divided catheter channel and two catheters, in case..... 75 00

O-1125 Nitze-Ringleb examining, irrigating, catheterizing and evacuating cystoscope, with right-sided and upright image. Complete with removable lens system, double channel irrigating attachment, evacuating tube, conducting cords and switch, two catheters and one reserve lamp, in case..... 77 50
Cystoscope as described above but arranged for one catheter only, in case.... 67 50
The lamps used with these cystoscopes are the Tungsten (cold) lamps. Extra lamps, each 1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



O-1130



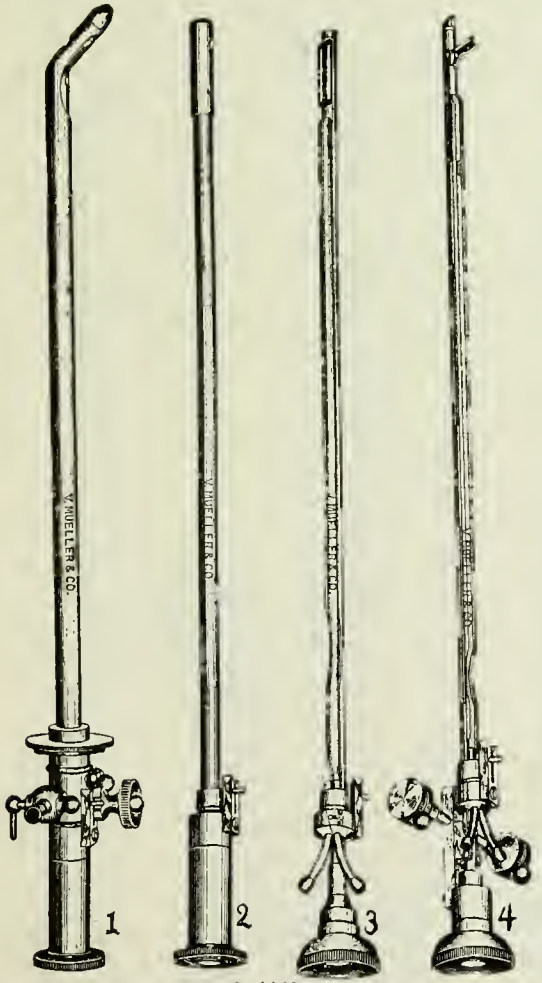
O-1135

CYSTOSCOPES—Continued

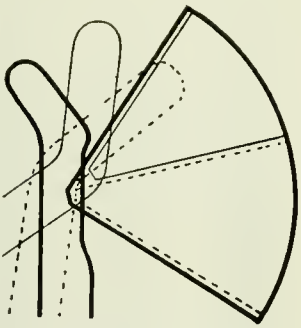
O-1130 Ringleb's double catheterizing cystoscope, possesses all the advantageous features described under Fig. O-1125. It is easily introduced without rotation with the aid of Oberlaender's obturator, the lever of which is turned downward during introduction. The absence of a rotary movement is of considerable advantage to users of self-retaining catheters. The urethral catheters are introduced from above, whereby the movements of the operator are far less confined than if introduced from below. After this instrument has been introduced, the obturator is removed and the lens system with a straight lamp attached, is inserted. We also supply a curved lamp with this instrument and when this is attached the lens system is converted into a small calibre examining cystoscope. Complete including all attachments described under Fig. O-1125, with the addition of the Oberlaender obturator, one reserve lamp curved and one reserve lamp straight, in case.....$85 00

O-1135 Brown-Buerger combined examining double catheterizing and irrigating cystoscope. 24 Fr.
The simplicity of the construction of this instrument, the removable telescopic systems, the large observation telescope and the ample catheterizing telescope admitting two No. 6 or 7 urethral catheters, are noteworthy features. Complete with examining and catheterizing lens systems, obturator, connecting cords, two extra lamps and two catheters, in case, showing inverted image.... 65 00
With right-sided and upright image..... 85 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



O-1140



O-1140A Oblique View Cystoscope, for the examination, catheterization and irrigation of the bladder, and the examination of the prostate and posterior urethra. The dotted lines represent beak or collective prism end of original Nitze and other indirect view cystoscopes. Light lines represent the collective lens end in the Brenner or other direct view cystoscopes. The heavy lines show the collective prism end in the Oblique View Cystoscope with its large right side up, corrected field of vision, equal in diameter to the direct and indirect types. Its short beak makes possible an easier introduction into the bladder and makes practical the examination of small capacity or contracted bladder. Its position in situ is an easy and natural one, necessitating no depression of prostate when examining trigone or catheterizing ureters.

The location of facet of collective prism is up in the tube, thus giving a satisfactory view of the prostate and posterior urethra.

The instrument is 24 F. and carries two 7 F. catheters, which allow of a free flow of the urine.

Price complete with two catheters in case.....$75 00

CYSTOSCOPES—Continued

O-1140 F. Tilden Brown's Composite or universal cystoscope, 24 Fr.

This instrument is the outcome of many years of mechanical experimentation and clinical observation on the part of the late Dr. Tilden Brown. The present model embodies all the essential features and improvements that were developed by Dr. Brown's careful technique.

Three complete lens systems, No. 2, 3 and 4, all showing the right-sided and upright image, are included with this instrument.

The examining telescope is designed so that it obturates the instrument perfectly and enables the operator to make an examination without change after introduction of the instrument. See No. 1.

Both the direct and indirect catheterizing telescopes admit two No. 6 catheters and are especially designed for synchronous catheterization of the ureters.

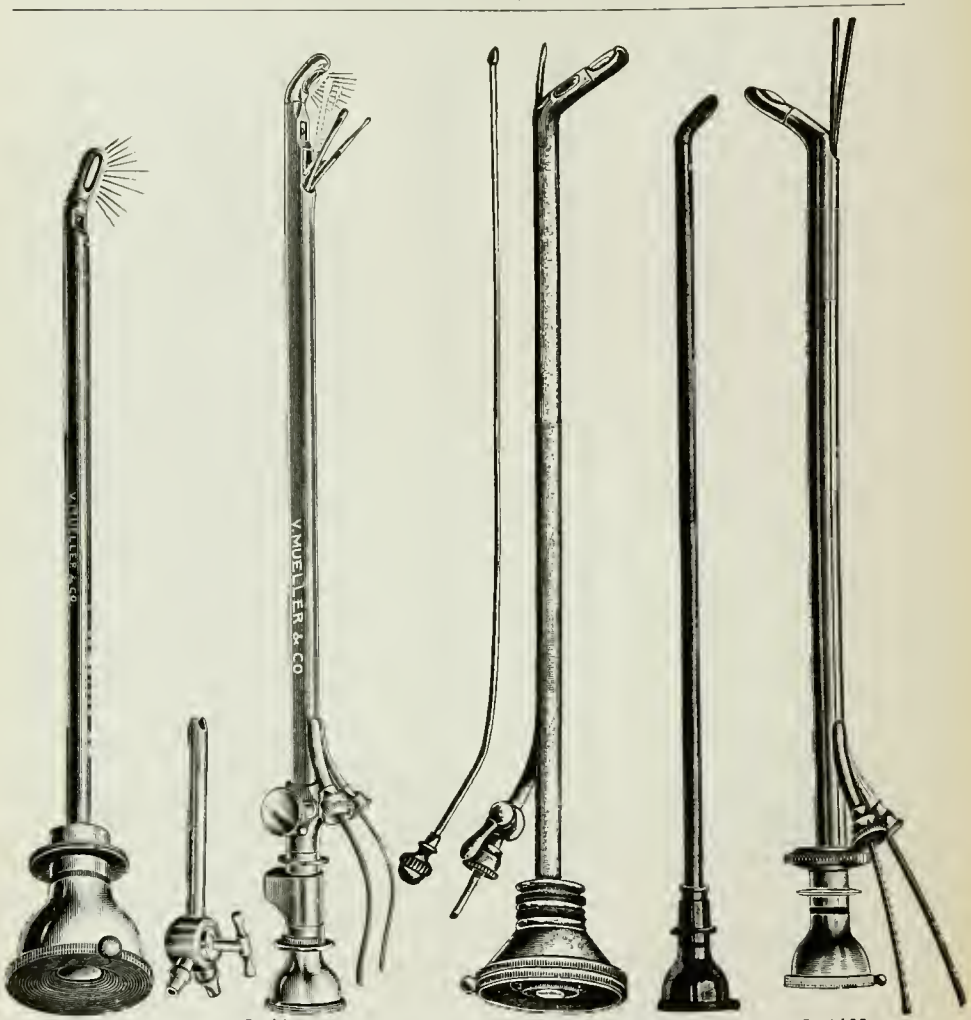
As described above, all telescopes showing correct vision, sheath, and the new patent switch with rotating contact, complete in case, with two extra lamps, cord, etc. $110 00

Same outfit with telescope showing inverted image and plain cord connection.. 100 00

Extra lens system for looking backward, inverted image..... 10 00

Correct image 20 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



O-1145 O-1150 O-1150A O-1155 A O-1160

CYSTOSCOPES—Continued

O-1145 Nitze improved examining cystoscope made in 15, 18 and 21 Fr. scale. Inverted image, with one reserve lamp and conducting cords, in case.....$32 50

O-1150 Nitze-Schlagenweit's latest improved examining, irrigating and catheterizing cystoscope. The telescope can be removed and by inserting the double channel stopcock the bladder can be irrigated.
A valve automatically closes the sheath to prevent leakage from the bladder.
Complete with conducting cords, two-way stopcock, two ureter catheters, one reserve lamp in case..... 70 00

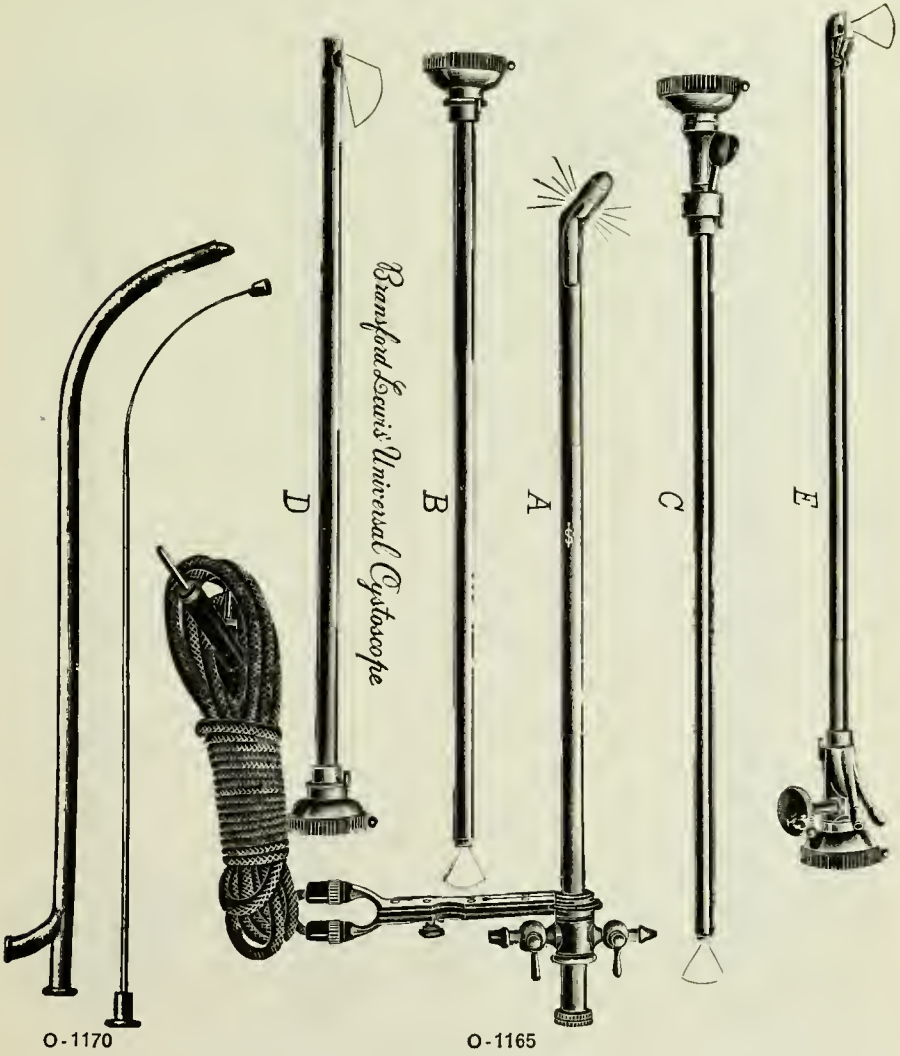
O-1150A Nitze-Schlagenweit's cystoscope, as above described, arranged for one catheter only 60 00

Nos. 1145-1150 and 1150A can be furnished with upright image lens system at an additional cost of $5 00.

O-1155 Brenner's direct view ureter cystoscope, of the latest type has a much shorter beak than the original model which is represented by this illustration. Complete with catheter and extra lamp, in case, (latest model)..... 50 00

O-1160 Mirabeau's direct view, double catheterizing cystoscope. This instrument is of the Brenner type but it has the advantage that the catheter sheath can be removed and the telescope proper be used as a plain examining cystoscope, as shown by figure A..... 60 00
Extra lamps for any of the above instruments..... 1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



O-1170 O-1165

CYSTOSCOPES—Continued

Bransford Lewis' new and improved Universal cystoscope, consists of:

1 Sheath with obturator, Fig. A, the former affording illumination of the whole interior of the bladder by fenestration of its beak on both convexity and concavity.
2 Telescope for direct double ureteral catheterization, Fig. C.
3 Telescope for indirect double ureteral catheterization, with right-angle lens, Fig. E.
4 Telescope for retrospective view, non-catheterizing, Fig. D.
5 Electric cable, with cut-off switch attached, placing control of the light in the hands of the operator.

Complete Universal cystoscope in case, net.....$100 00

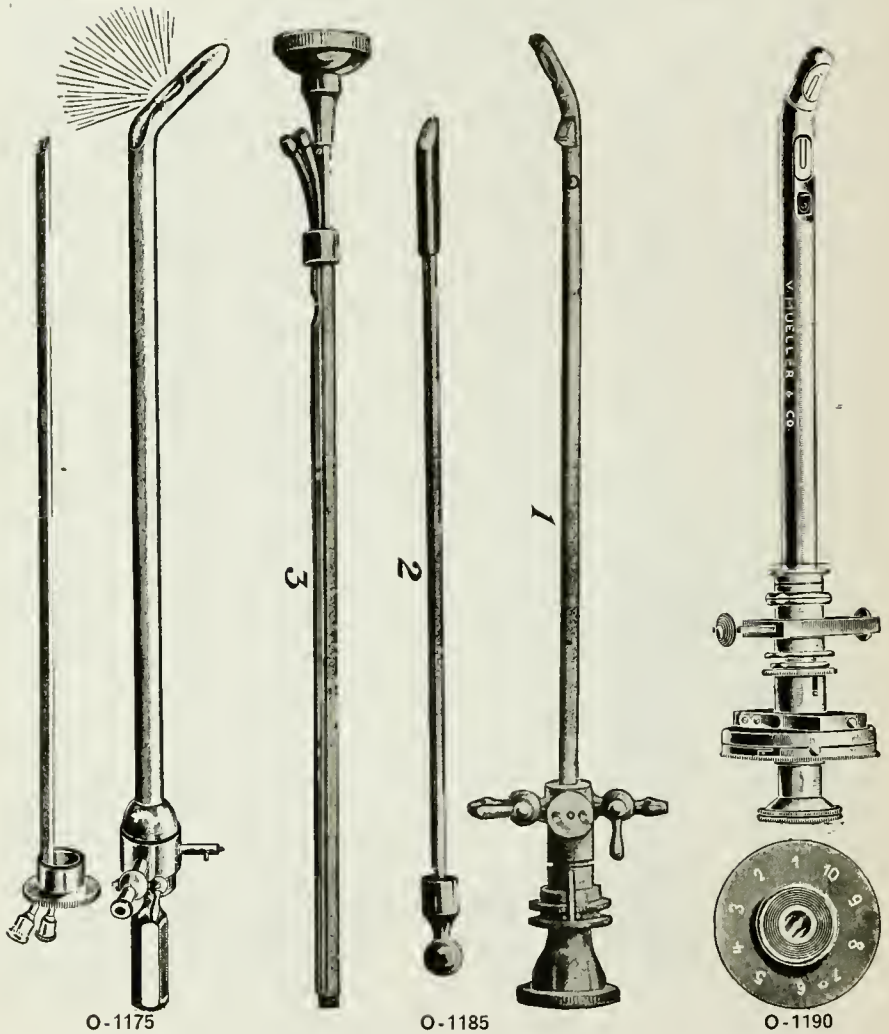
In addition to the above outfit, non-catheterizing telescope for direct, forward view, Fig. B, non-catheterizing telescope for indirect, right-angle view, non-catheterizing, can be furnished.

Complete set, including 5 telescopes enumerated, in case, net.....125 00

O-1170 Bransford Lewis' cocaine tablet depositor..... 3 00

Write for special circular describing Bransford Lewis' cystoscope in detail and directions for use.

Do not mutilate catalogue.—Specify section letter and number in ordering.



O-1175 O-1185 O-1190

CYSTOSCOPES—Continued

O-1175 W. F. Braasch's double ureter cystoscope.
This is a modification of the Lewis' and Elsner's instruments, but the catheterizing guides are removable, which enlarges the lumen for the purpose of inspection.
Complete with extra lamp, but without catheters.....$30 00
In leather covered case with two ureter catheters and dilating bulb..... 38 00

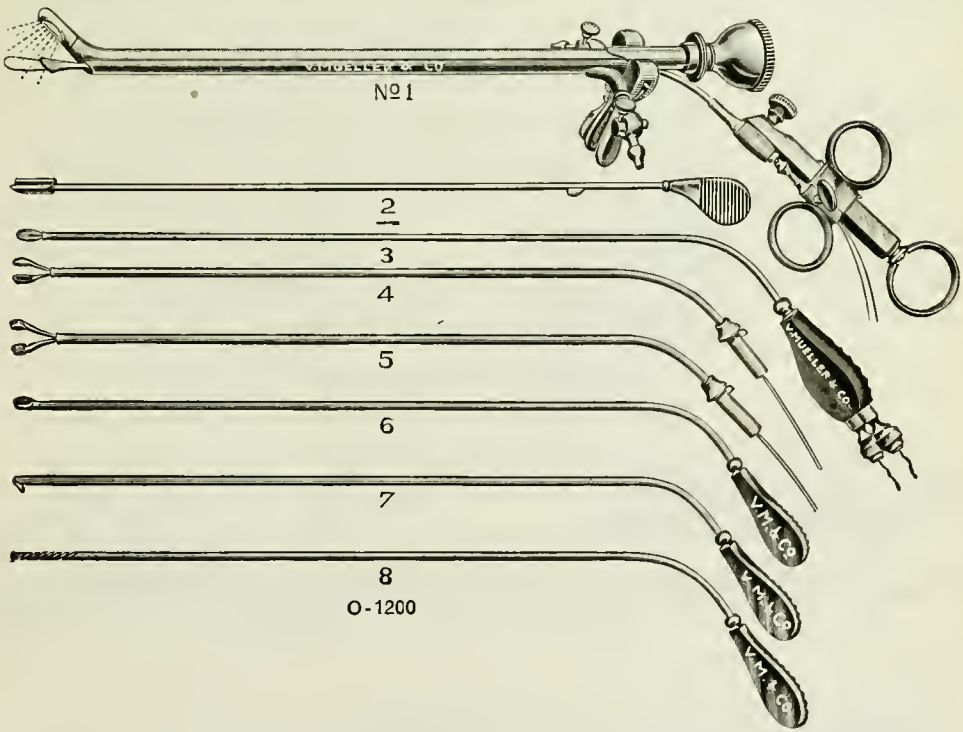
O-1180 Elsner's (not illustrated) double catheterizing cystoscope, with extra lamp, obturator and ocular window 28 00

O-1180A Periscope, (not illustrated) for Elsner's cystoscope..... 12 00

O-1185 W. Ayres' cystoscope, with sheath, obturator, double catheterizing telescope by the direct method, and telescope for indirect and retrograde observation.
Complete with extra lamp, conducting cord and two catheters, in case..... 80 00

O-1190 Photographic cystoscope, suggested by Dr. A. Freudenberg.
This instrument possesses many advantages over others devised for this purpose, one of these is the presence of two lamps, which intensify the light and do away with shadows cast from one side.
Complete with two reserve lamps, cords and one dozen films, in case..... 75 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



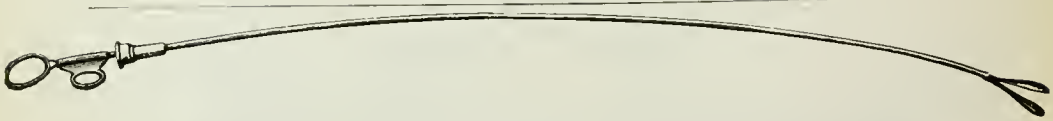
SENN-MUELLER OPERATING CYSTOSCOPE

O-1200 The Senn-Mueller operating cystoscope here shown, offers many new and improved features in an operating cystoscope, in as much as the simplicity in operation is unequalled by any other similar instrument, and the calibre of the sheath is under the average size. By means of an ingenious split packing, the operating instruments may be introduced and freely moved without leakage of air or water, which are used in distending the bladder. The packing may be instantly released by pressing together the two small levers, projecting from the underside of the cystoscope. Each instrument is provided with two stopcocks for water or air. To facilitate the introduction of the instrument the operating tube below the lens system is provided with an obturator.
The lenses used are of the best and in short this combines for the first time a thoroughly satisfactory operating cystoscope, of practical size and moderate price.
Illustrations show:
No. 1 Senn-Mueller cystoscope with wire snare in position.
No. 2 Obturator.
No. 3 Electro cautery burner.
No. 4 Grasping forceps.
No. 5 Cutting forceps.
No. 6 Curette.
No. 7 Hook knife.
No. 8 Applicator.
The lamps used in this cystoscope have a Tungsten filament and consequently produce practically no heat.
Complete with all the instruments illustrated, conducting cord and extra lamp, in case $85 00

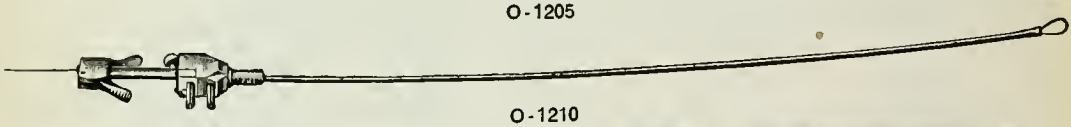
O-1200A Bransford Lewis' operating cystoscope, (not illustrated) with extra lamp..... 30 00

O-1200B Bransford Lewis' set of operating instruments, (not illustrated)..... 40 00

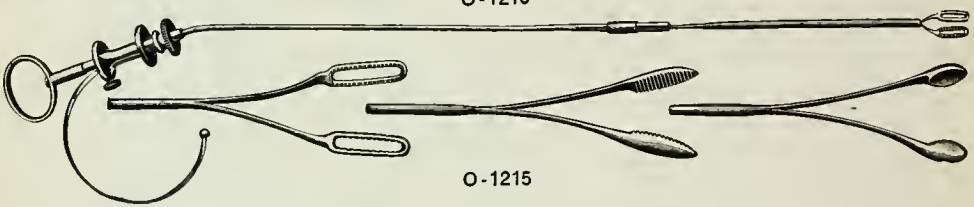
Do not mutilate catalogue.—Specify section letter and number in ordering.



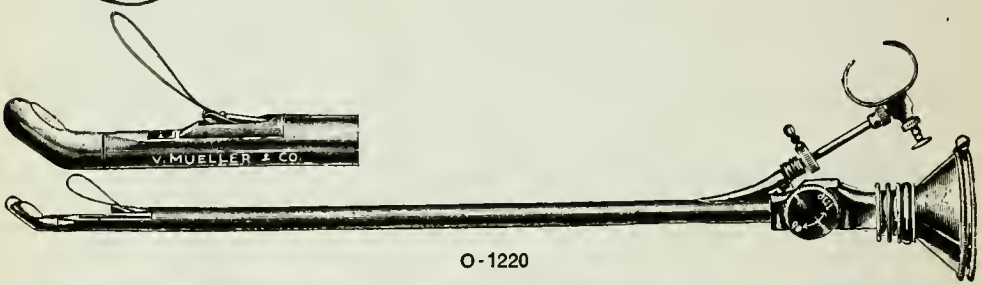
O-1205



O-1210



O-1215



O-1220



O-1225

OPERATING INSTRUMENTS FOR USE THROUGH CYSTOSCOPES AND URETHROSCOPES

O-1205 Kollscher's forceps for use through the Brenner cystoscope. This is made in two patterns, one with serrated jaws and the other with cutting jaws, each..... $7 50

O-1210 Kollscher's wire snare apparatus, for use through the Brenner cystoscope..... 9 50

O-1215 Bruening-Mueller extension forceps, for use through cystoscopes of the Bransford Lewis, Braasch or Eisner type, as well as though urethroscopes, with two grasping and one cutting tip..... 10 00

O-1220 Kroemer's wire snare apparatus for removing small tumors in the bladder. The instrument can be used through the catheter channel of cystoscopes of the Nitze type or other models which possess the Albarran lever as shown in the illustration 5 75

O-1225 V. Blum's outfit of instruments for endovesical operation in connection with the Brenner, Nitze, Bransford Lewis, etc., cystoscopes. Complete with handle, two spiral tubes with grasping and cutting forceps, one snare drum with three spiral snare tubes, one bunch of aluminum bronze wire, one pair of pliers, in case..... 27 50

Fig. 1, 2 and 3 indicate how the snare should be threaded.

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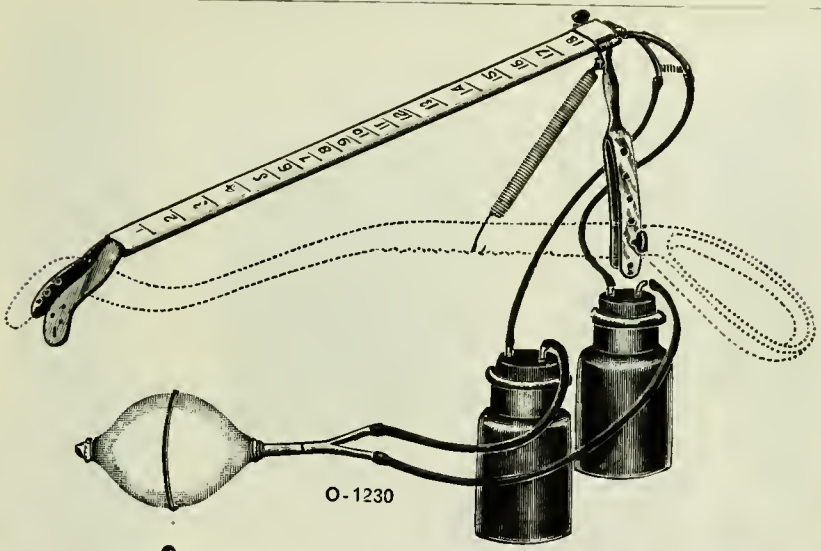
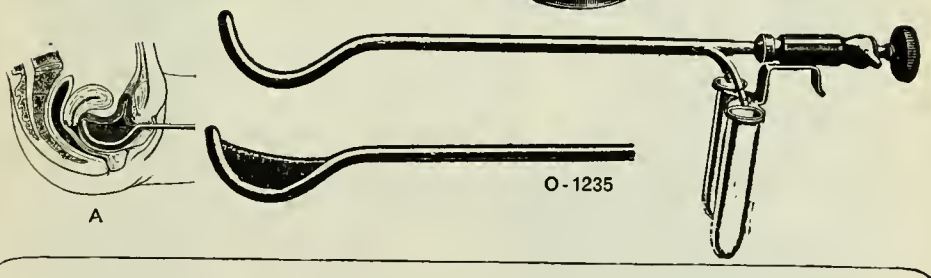
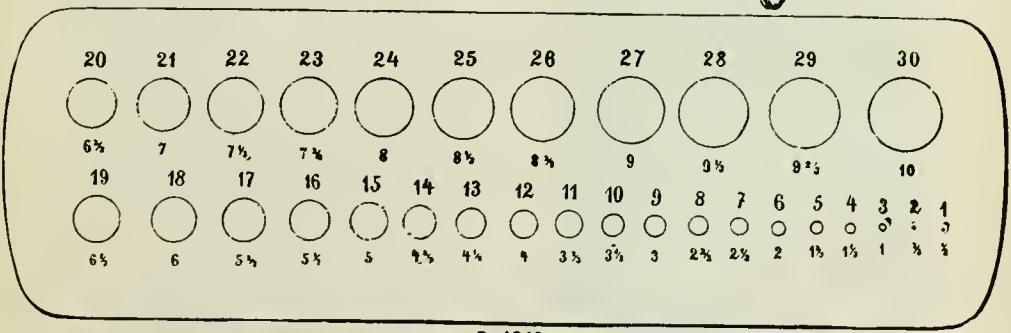


O-1230

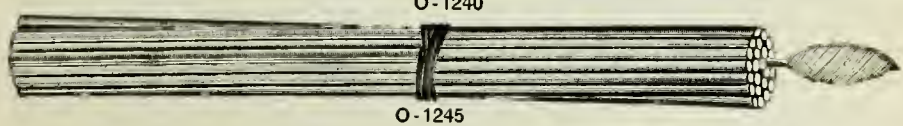


A

O-1235



O-1240



O-1245

URINE SEGREGATORS, ETC.

O-1230 Harris' urine segregator, complete with all necessary attachments, in case.....$15 00

O-1235 Luy's urine segregator, complete with six glass tubes, in fine metal case, which is used as a sterilizer for the instrument..... 40 00

O-1235A Illustration showing method of introduction of Luy's segregator.

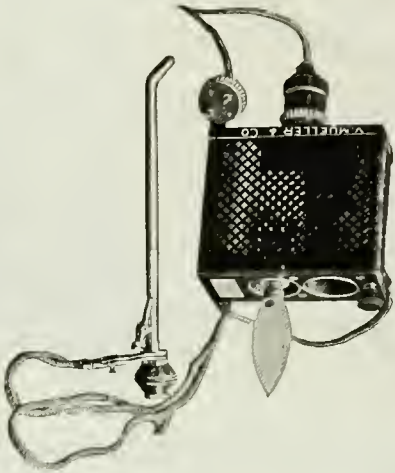
O-1240 Catheter scale made of metal, nickel plated French..... 2 50
Comparative catheter scale made of card-board, free of charge.

O-1245 Wooden cotton applicators, for use through urethroscopes, cystoscopes, etc., per thousand 1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



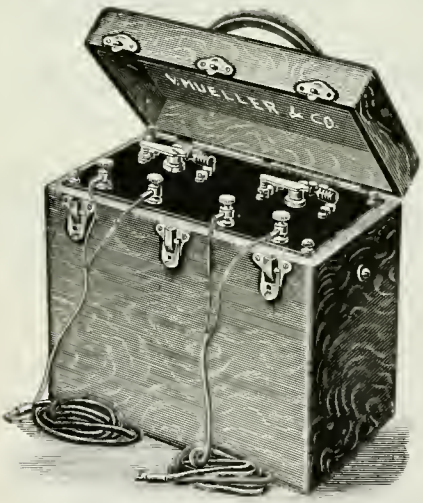
O-1250



O-1260



O-1255



O-1265

CURRENT CONTROLLERS AND ILLUMINATING BATTERIES

O-1250 Victor socket current controller, including blue glass resistance lamp, for 110 volt direct or alternating current $9 50

O-1255 Wappler socket current controller, with blue glass resistance lamp, for 110 volt direct or alternating current 8 00

O-1260 Leiter socket current controller. This controller offers a compact combination for illuminating examination lamps of all kinds, and when used on the direct current, will also deliver a galvanic current, and on alternating current a rapid sinusoidal current. This apparatus can be used both on the 110 and the 220 volt current. Size 5½x6x2½ in. 20 00

O 1265 C. Jackson's portable illuminating battery.

Users of illuminating instruments have long recognized the fact that it is not always practicable to use the street current for the operation of instruments used in illuminating cavities.

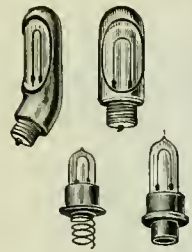
This outfit consists of two separate regulating rheostats which may be used independently for the smaller sizes of lamps, or used together for heavier lamps, thus giving a range greater than has ever been furnished with a portable battery, and at once an outfit which is entirely free from any possibllity of the grounding of the current.

The mechanical parts are all extremely well made, the switch levers being provided with a spring plunger contact, thus preventing the possibility of curreut failing to pass due to poor contact at the switches.

Eight No. 6 Standard dry cells are used, so that these can always be secured locally.

The battery is contained in a strong highly polished, quarter sawed oak case, Price, without cords, net..... 25 00

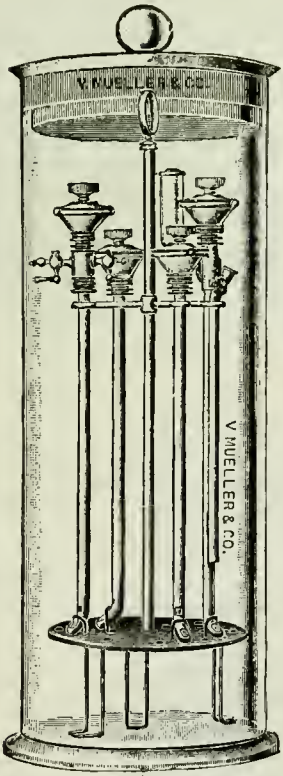
Do not mutilate catalogue.—Specify section letter and number in ordering.



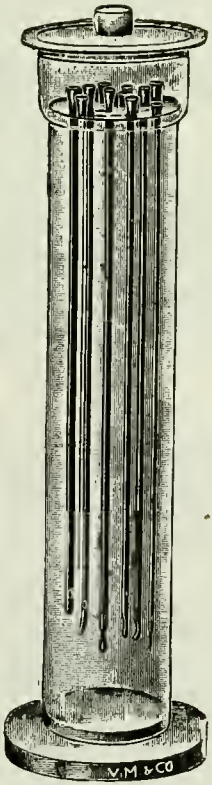
O-1300



O-1295



O-1270



O-1280



O-1285



O-1290

CYSTOSCOPE AND CATHETER CONTAINERS, ETC.

O-1270 Glass stand containing a removable metal frame, the discs of which are perforated to accommodate from four to six cystoscopes and accessories. To the upright is connected a small removable metal cup for the purpose of holding paraform, a material which will keep the instruments in sterile condition. The paraform should be renewed about twice a month. The container has a ground glass stopper and an over-lapping metal cover, nickel plated.....$10 00

O-1280 Glass cylinder for disinfection of catheters by the formaldehyde process..... 4 00

O-1285 Catheter tube with hollow perforated stopper for accommodating formaldehyde tablets to keep catheters sterile..... 1 50

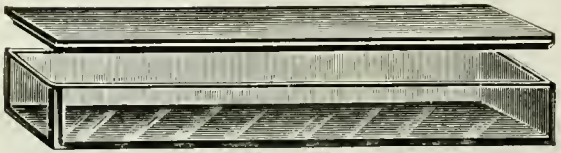
O-1290 Plain catheter tube with metal screw cap..... 45

O-1295 K-Y lubricating jelly for catheters, bougies, etc. Tube..... 25

O-1300 Cystoscope lamps. The two upper illustrations represent lamps for cystoscopes of the Nitze-Albarran type. The smallest illustration represents the lamp for the Bransford Lewis, and the last illustration represents the lamp used in the Elsner and Braasch type of cystoscopes. When ordering new lamps, always send in the burnt out lamp; or when this is not possible, carefully state what type of cystoscope, the calibre and who was the maker of the instrument. We carry lamps in stock for every well known cystoscope, but unless we have the above information, it will be impossible to always fill your order correctly.
Price, each $0 75 to 1 50

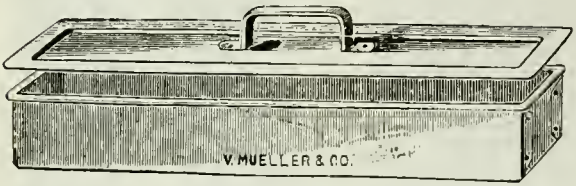
Do not mutilate catalogue.—Specify section letter and number in ordering.

CATHETER TRAYS AND STERILIZERS



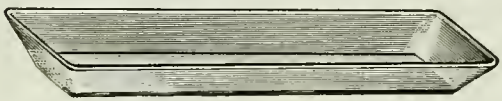
O-1305

O-1305 Glass catheter tray with overlapping ground glass cover..... $3 00



O-1310

O-1310 White enamel tray with cover, for sterilization of catheters, bougies and sounds 1 60



O-1315

O-1315 Glass catheter tray, without cover 2 00



O-1320

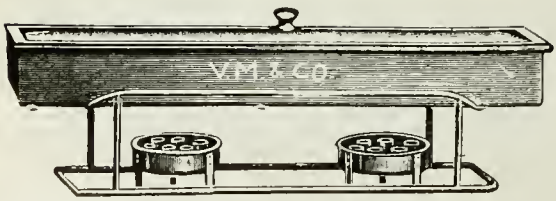
O-1320 Catheter tray, divided in compartments, made of porcelain..... 2 75

O-1325 Catheter tray, made of copper.. 2 50



O-1325

O-1330 Janet's apparatus (not illustrated) for disinfection and dessication of catheters. In the bottom is a metal tray for formaldehyde tablets and caicium chloride... 8 50



O-1335

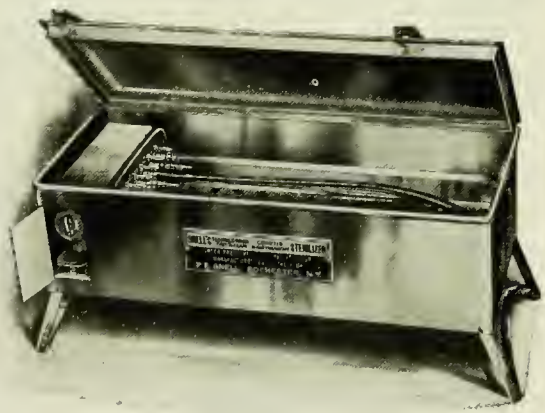
O-1335 Sterilizing outfit for catheters and bougies, consisting of a white enamel tray with cover, stand and 2 alcohol burners..... 4 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



FORMALDEHYDE STERILIZERS

O-1340



O-1345

O-1340 Thomas formaldehyde sterilizer for the rapid and complete sterilization of instruments, catheters, cystoscopes, urethroscopes, etc. The sterilizer is 18 inches long, 4 inches wide and 4½ inches deep, will admit of obstetrical forceps as well as smaller instruments, and can be easily carried by the handle on the cover. The lid or cover has a continuous hinge with three hasps placed opposite so that pressure of the lid is equally distributed over the felt gasket, thus making the sterilizer air tight.

The lamp has a separate compartment outside of the sterilizing chamber so that it can be seen, filled, lighted or extinguished, without disturbing the instruments or raising the cover. The small cup which rests in the socket at the end of the sterilizer contains the formalin pastil and is placed at the exact distance from the lamp to insure proper combustion. The apparatus is made ready for use instantly, no injury will result to the temper or edges of even the finest steel instruments.

In sterilizing it is best to wrap the instruments in gauze, or to place a layer of gauze over them. No steam or hot air being applied, goods that would be injured by them, such as catheters, bougies, hard and soft rubber goods, etc, can be safely and effectively sterilized.

Price net $6 00

Extra long size to hold Tarnier forceps, net..... 7 00

O-1345 Snell formaldehyde sterilizer, as illustrated here represents the sterilizer open, and shows the 5 catheter cocks, with one catheter in position. Also shows formaldehyde chamber in which a formalin or formaldehyde tablet is placed, and asbestos alcohol lamp. Operation extremely simple. Results positively effective. Heat of alcohol flame against chamber containing formalin tablet forces combustion of same into gas which can only escape through catheter cocks into, through and around catheters.

This sterilizer is made particularly for catheters, cystoscopes and urethroscopes, as well as for all other electrically lighted instruments or rubber appliances. It takes only 5 minutes to sterilize five catheters, and is also well adapted to be used as a steam or hot water sterilizer. Made in two sizes, regular..... $15 00

Large size 17 50

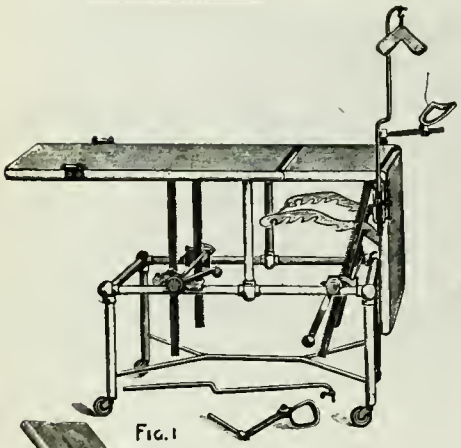


Fig. 1

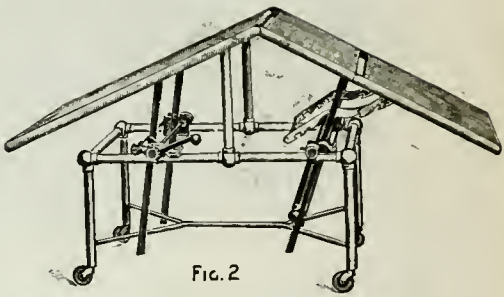


Fig. 2

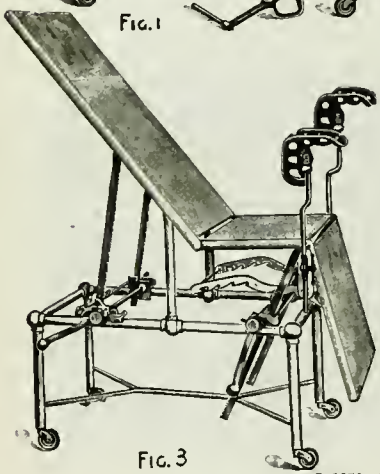


Fig. 3

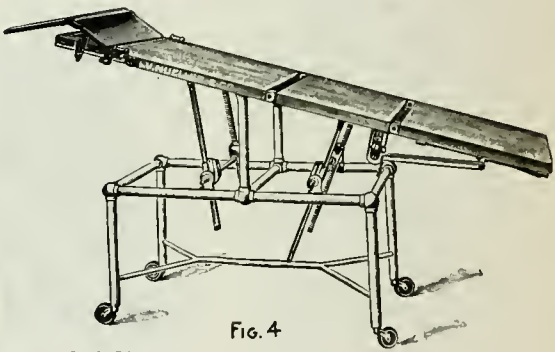


Fig. 4

O-1350

METROPOLITAN EXAMINING AND OPERATING TABLE

O-1350 This table will appeal strongly to the Genito-Urinary specialist on account of the short seat and high back as shown in our illustration Fig. 3, which can be so adjusted as to keep the patient well forward on the table. For this work we furnish either the Bierhoff knee crutches as shown in Fig. 3, or Dr. J. R. Hayden's inverted stirrups as shown in Fig. 5. Many specialists prefer the inverted stirrups to the knee crutches believing that they cause less discomfort to the patient.

For plastic work the table can be placed either in the horizontal position, or slightly lowered at the end as shown in Fig. 4.

Fig. 2 shows the table adjusted to the Mayo position, for operations on the kidneys and gall bladder. Fig. 4 shows a position facilitating operations for goitre by the proper elevation of the shoulders, the head being thrown back at any angle which may be desired by the surgeon to admit of easy access to the operative field.

This table is also arranged to facilitate elevating the patient to the Trendelenburg position, and a pair of adjustable shoulder braces are provided for this purpose.

Complete with enameled steel top, nickel plated adjustable leg holders, heel stirrups and shoulder rests $110 00

With Monel nickel top 25 00

Knee crutches, Dr. Bierhoff's model, additional per pair 18 00

Goitre attachment, Dr. Brown's, each 35 00

Inverted stirrups, Dr. Hayden's, per pair 5 00

Etherizer's screen 3 00

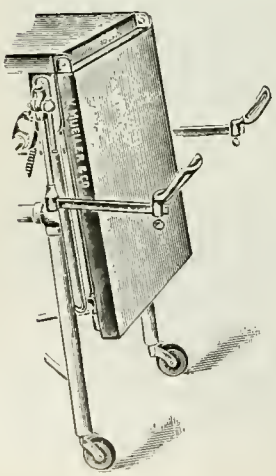


Fig. 5

For other examining chairs and tables see section T.

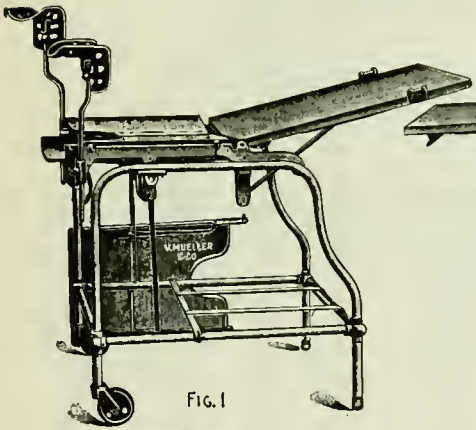


FIG. 1

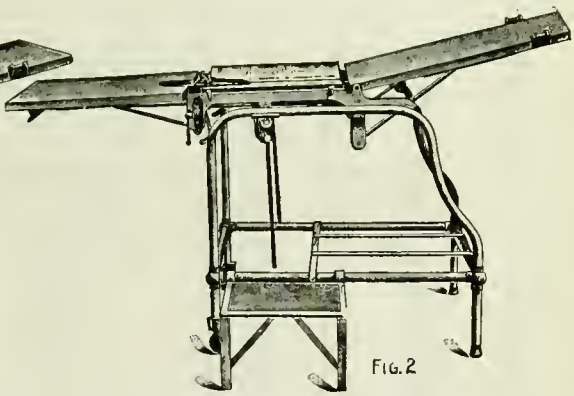


FIG. 2

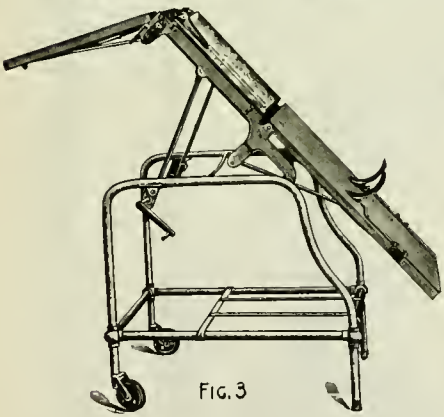


FIG. 3

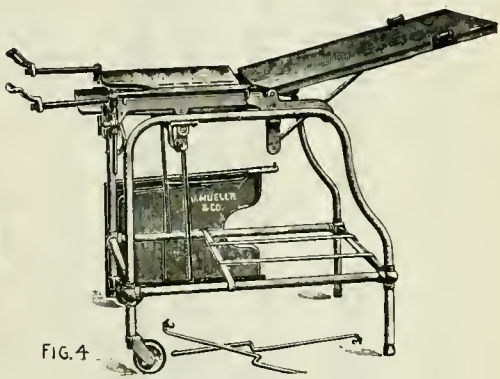


FIG. 4

O-1355

GENERAL EXAMINING AND OPERATING TABLE

O-1355 J. R. Hayden's modification of Van der Pool's examining and operating table. This table is well adapted for genito-urinary work as will be seen from the different positions illustrated here. The frame is made of tubular wrought iron with counter-weight to avoid tipping; the top has a large U cut out of two sections and is fitted with a sliding drain pan which may be drawn out to extend under the foot end affording perfect drainage. The three sections may be adjusted to any desired position and the top can be elevated to the Trendenlenburg position by means of a simple mechanical device. The top has a 5-8 in. thick plate glass in the center and heavy steel at the head and foot end. The center section is fenestrated for abdominal drainage and has a U cut out to facilitate cystoscopic and vaginal work.

Fig. 1 showing knee crutches with drain pan extended.

Fig. 2 Hayden's position for cystoscopy.

Fig. 3 showing the Trendelenburg position with shoulder supports.

Fig. 4 showing the foot end detached; also the stirrups.

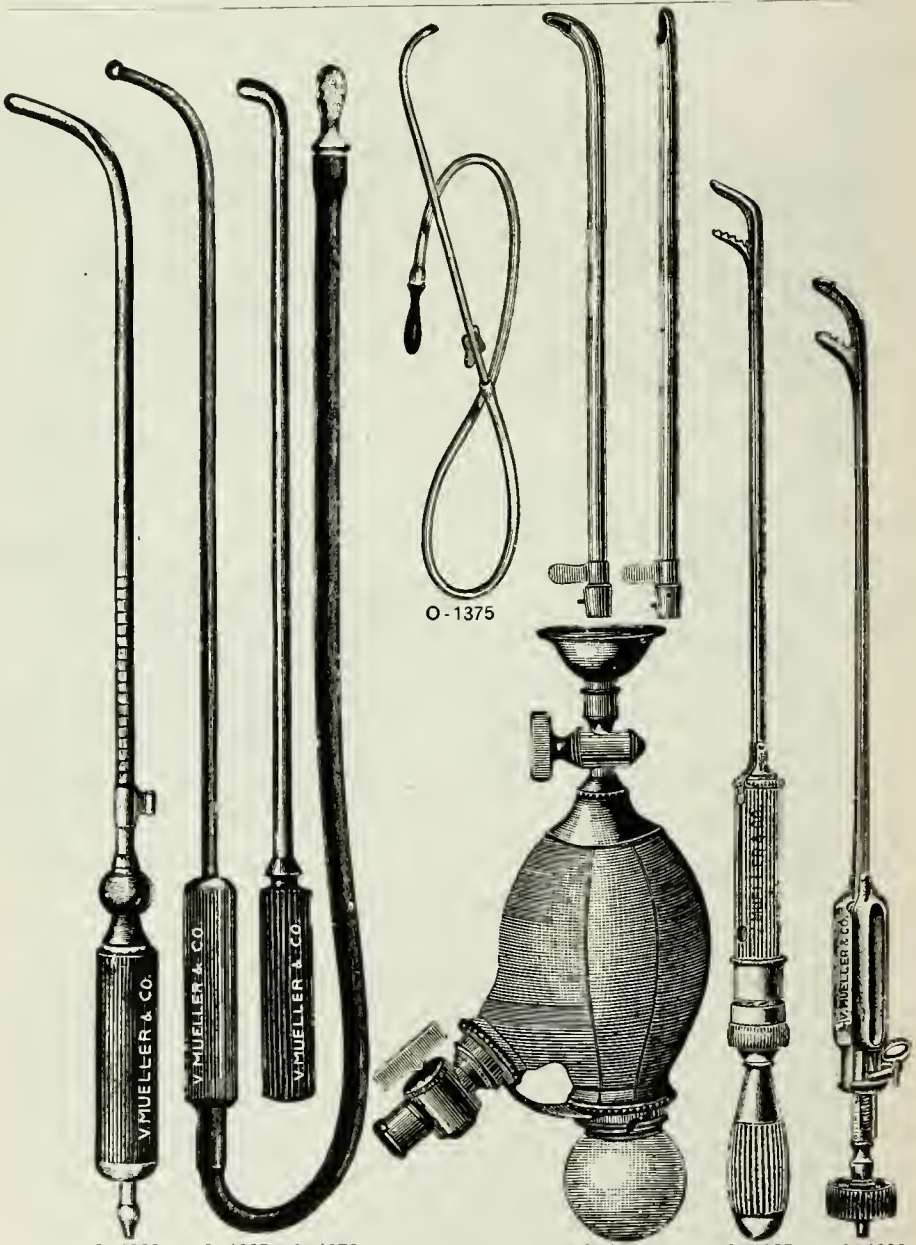
Dimensions of top 22 inches wide, 72 inches long, height 34 inches. Mounted on two 4 inch rubber tired wheels and two rubber sockets.

Price with heel stirrups, lithotomy staffs with straps, step and side table for instruments $70 00

Knee crutches, addition..... 18 00

For other examining chairs and tables see section T.

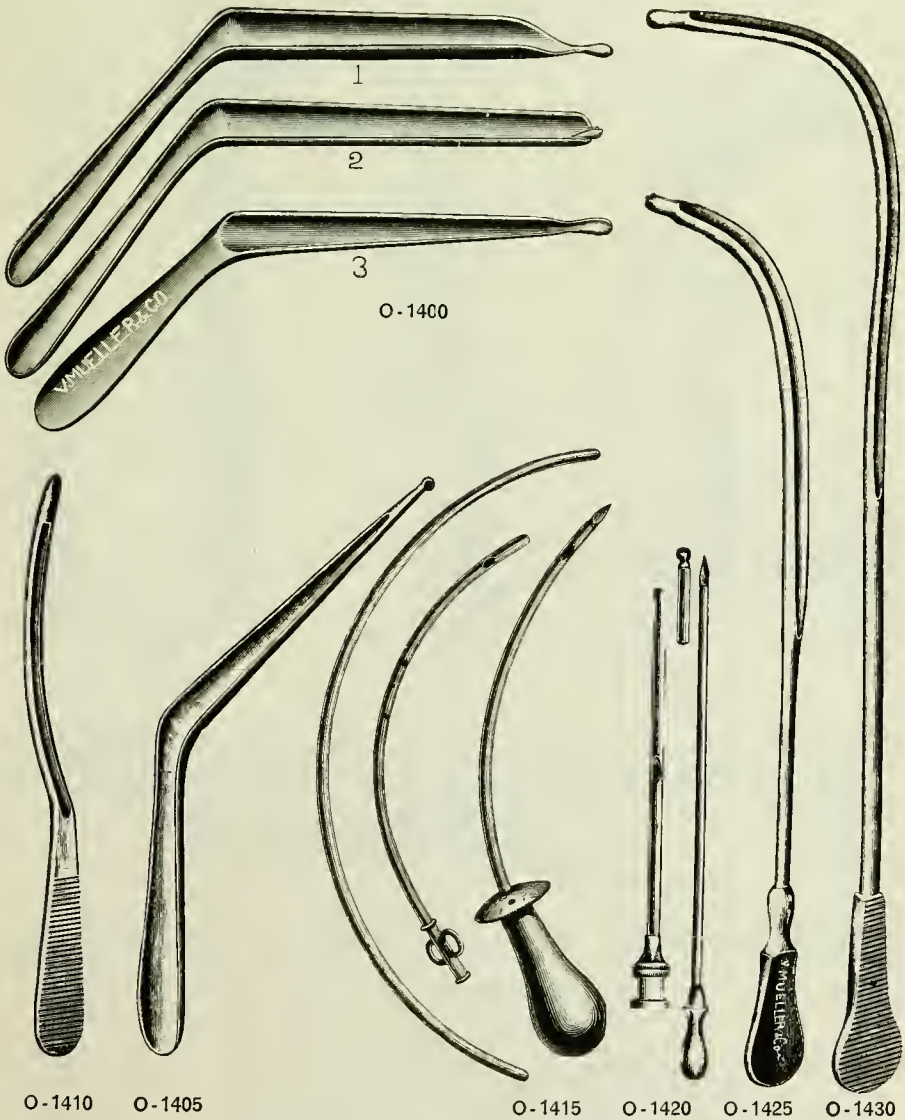
Do not mutilate catalogue.—Specify section letter and number in ordering.



LITHOTOMY INSTRUMENTS

O-1360	Thompson's stone searcher	$1 25
O-1365	Posner's stone searcher with sound conductor	3 00
O-1370	Keyes' stone searcher	1 75
O-1375	Andrews' stone searcher with ear piece	1 25
O-1380	Bigelow's latest model evacuator, with two catheters, in case	25 00
O-1385	Bigelow's lithotrite	25 00
O-1390	Kuttner's lithotrite, latest model	25 00

Do not mutilate catalogue.—Specify section letter and number in ordering.

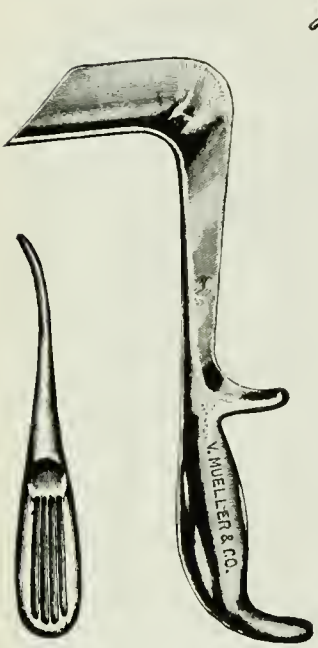


LITHOTOMY INSTRUMENTS, ETC.

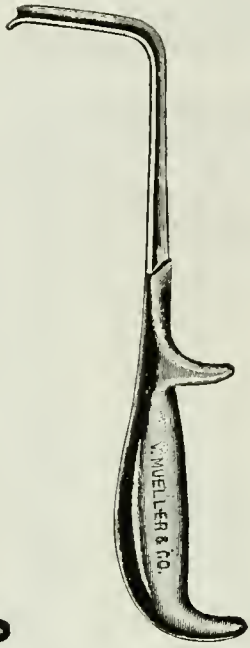
O-1400

	Fig. 1 Thompson's gorget	$1 25
	Fig. 2 Otis' gorget	1 50
	Fig. 3 Kreissl's gorget, illustration shows actual size	1 50
O-1410	Keyes' grooved director	1 25
O-1405	Teale's gorget, probe pointed	1 50
O-1415	Fleurant's vesical trocar	3 00
O-1420	Belfield's vesical trocar	90
O-1425	Marco's grooved staff	1 25
O-1430	Little's lithotomy staff	1 25

Do not mutilate catalogue.—Specify section letter and number in ordering.



O-1435 O-1440



O-1445



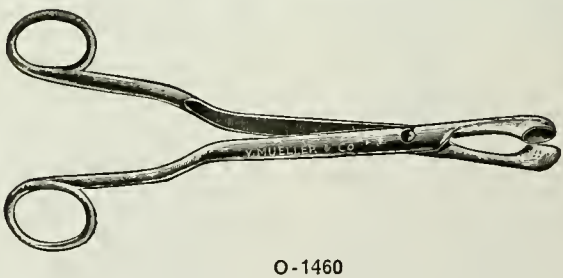
O-1450



O-1455



O-1465



O-1460

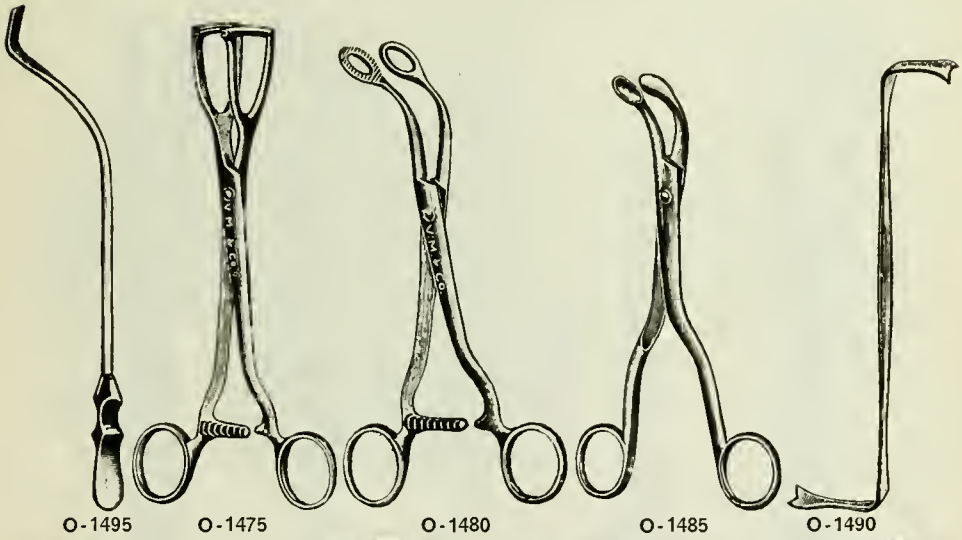


O-1470

PROSTATIC INSTRUMENTS, ETC.

O-1435	Young's enucleator	$2 00
O-1440	Young's retractor, large, 1 3-4 in. wide	4 00
O-1445	Young's retractor, small, ½ in. wide..	3 25
O 1450	Young's retractor, bifid	4 00
O-1455	Allen's knife for opening capsule	1 50
O-1460	Ferguson's prostatic cutting forceps, straight	6 00
O-1465	Young's tractor	5 50
O-1470	Hertzler's new tractor	7 50

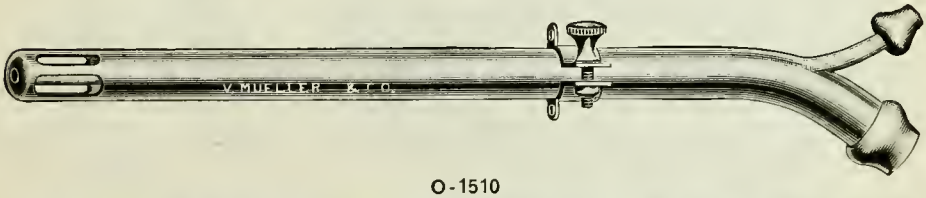
This instrument is made for the purpose of removing the prostate without opening the bladder. It is passed into the bladder and the prostate is dissected off from the urethra with the instrument as a guide. The prostate is forced into the wound by traction upon the instrument by the assistant. This operation permits immediate closure of the perineal wound. (See Surgery Gynaecology and Obstetrics, Dec. 1910, Page 602.)



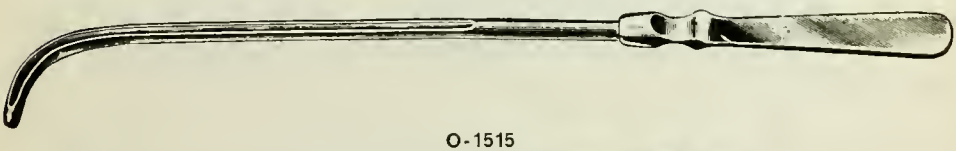
O-1495 O-1475 O-1480 O-1485 O-1490



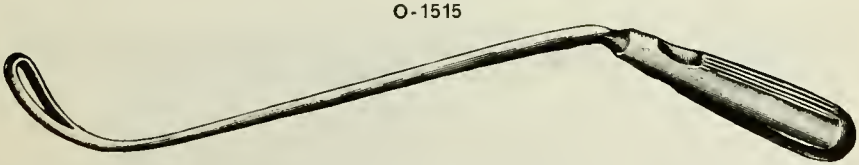
O-1500 O-1505



O-1510



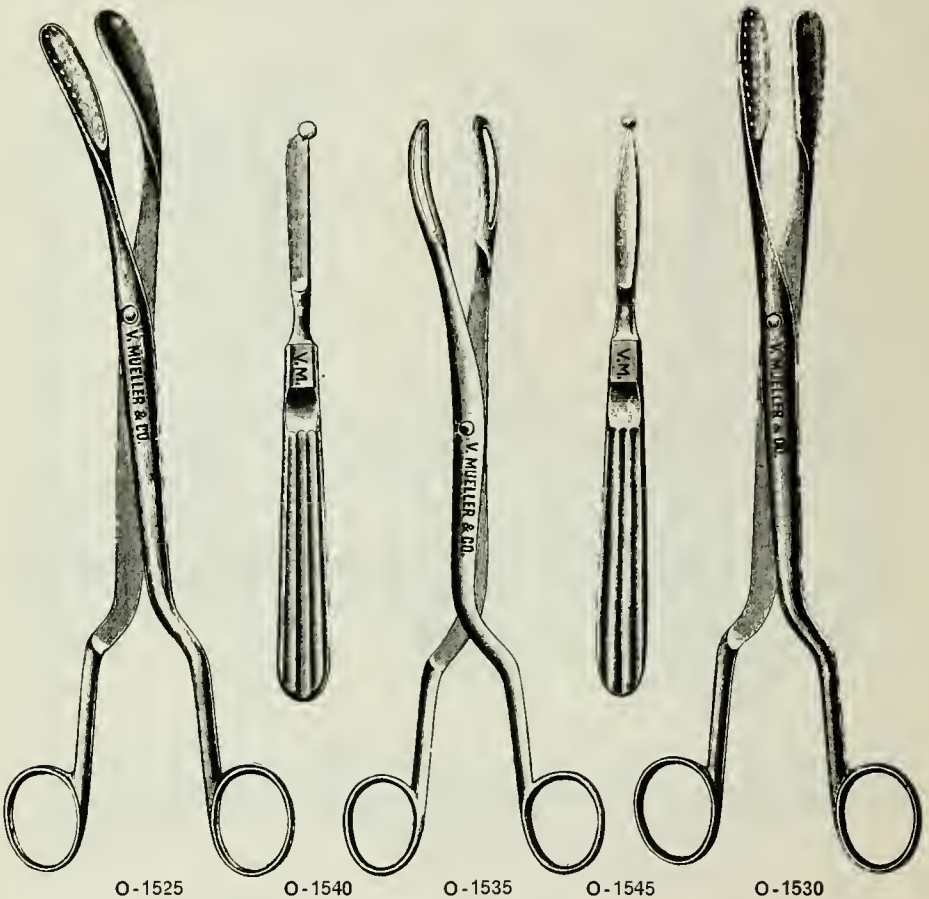
O-1515



O-1520

PROSTATIC INSTRUMENTS, ETC.

O-1475	Young's lobe forceps, made in two sizes, each	$5 00
O-1480	Guitera's tearing forceps	4 50
O-1485	Ferguson's cutting forceps, curved	4 50
O-1490	Ferguson's retractor, double	1 75
O-1495	Guitera's depressor	1 75
O-1500	Senn's supra-pubic drainage tube, sterling silver	3 50
O-1505	Ferguson's supra-pubic drainage tube	$4 25
O-1510	Hagener's drainage tube for continuous irrigation and drainage, heavily silver plated, each	4 00
O-1515	Ferguson's grooved staff, made in 26 and 28 Fr. each	1 50
O-1520	Ferguson's depressor	1 50



O-1525 O-1540 O-1535 O-1545 O-1530



O-1555

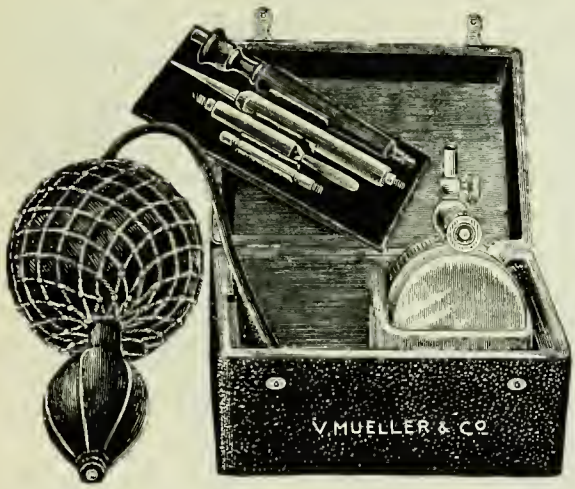


O-1550

LITHOTOMY INSTRUMENTS

O-1525	Little's lithotomy forceps, curved	$2 25
O-1530	Little's lithotomy forceps, straight	2 25
O-1535	Tevan's fenestrated lithotomy forceps	3 50
O-1540	Piffard's meatotome	1 75
O-1545	Otis' meatotome	1 75
O-1550	Kreissl's meatotome	2 00
O-1555	Blizzard's lithotomy knife	1 75

Do not mutilate catalogue.—Specify section letter and number in ordering.



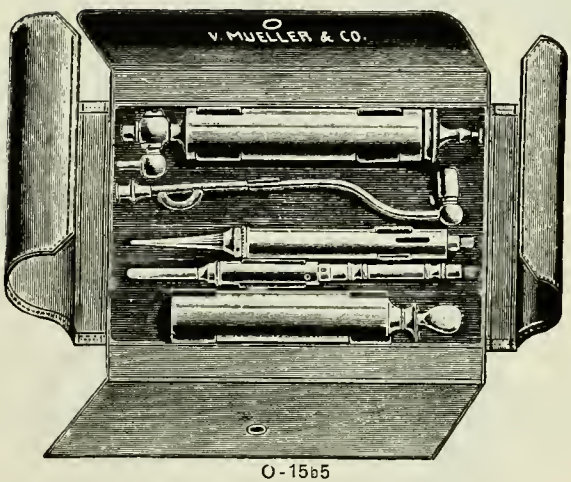
O-1560

CAUTERIZING APPARATUS

O-1560 Pacquelin thermo cautery. This cautery is more convenient and satisfactory than any other yet introduced to the profession. It permits of the generation of permanent and controllable heat, with but slight loss through radiation. It is very carefully made and if proper care is given to the managing while in use, it will be ready at all times for operation. Complete with two points and patent metal reservoir, put up in neat morocco case $20 00

O-1565 Pacquelin thermo cautery, pocket style, with two platinum points, No. 39 taper and No. 29 flat end, improved handle reservoir lighting attachment, double bulb, also container for benzine. This is a very desirable apparatus for use where the doctor has to operate in the patient's home, away from the operating room. It can be packed in the emergency bag without taking up much space..$20 00

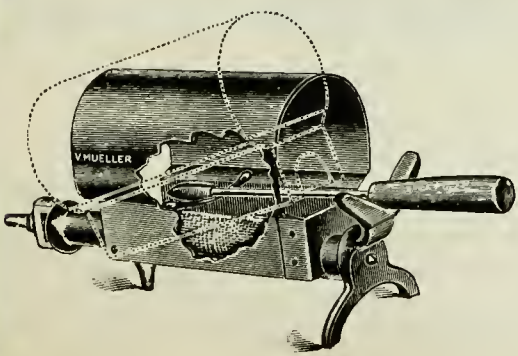
Owing to the continuous fluctuation of the price in platinum, the prevailing market price will be charged for these apparatus.



O-1565



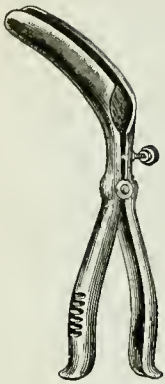
O-1570

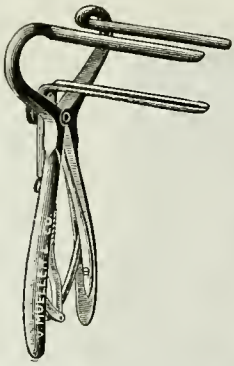


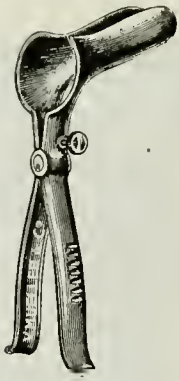
O-1575

O-1570 Ochsner's cautery Irons with wooden handle and copper end, each. $0 25

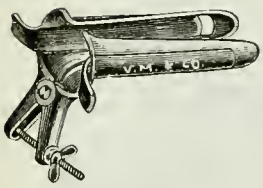
O-1575 V. M. & Co.'s gas stove for heating Ochsner's cautery irons 2 50


O-1630


O-1590


O-1580


O-1585

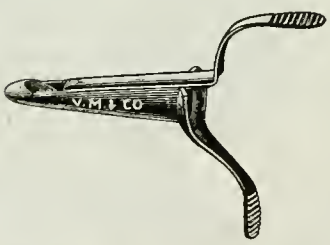

O-1610


O-1595


O-1600


O-1605


O-1615

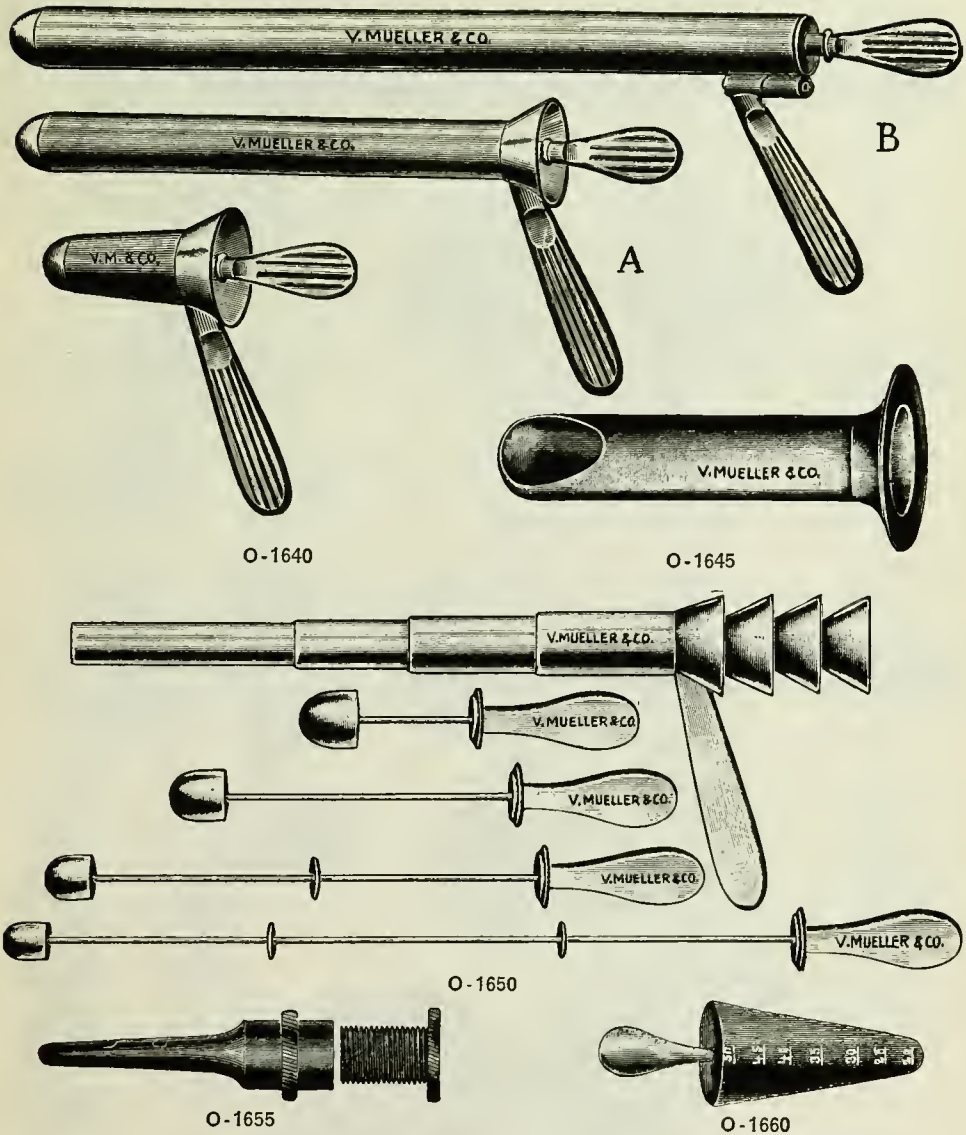

O-1625


O-1635


O-1620

RECTAL SPECULA

O-1580	Pratt's rectal specula, made of wrought metal (not common casting) in two sizes, each	$2 00
O-1585	DeVilbiss rectal specula, wrought metal	1 50
O-1590	Cook's rectal specula, forged steel	6 50
O-1595	Sim's rectal speeula, fenestrated	1 50
O-1600	Bodenhamer's rectal specula, wrought metal	1 50
O-1605	Fosgate's rectal specula This specula allows of a parallel lateral expansion by four turns of the thumb screw.	2 00
O-1610	O'Neal's rectal specula, fenestrated, wrought metal	2 50
O-1615	Pratt's trivalve rectal specula	2 50
O-1620	Pennington's rectal specula, with obturator, wrought metal	2 50
O-1625	Brinkerhoff's rectal specula, made in three sizes, each	3 00
O-1630	Pratt's sigmoid specula, wrought metal	1 85
O-1635	Finger cots, soft rubber, reinforced, best quality, dozen	35
O-1635A	Finger cots, rolled, extra thin, per box of 12	25



O-1640 O-1645

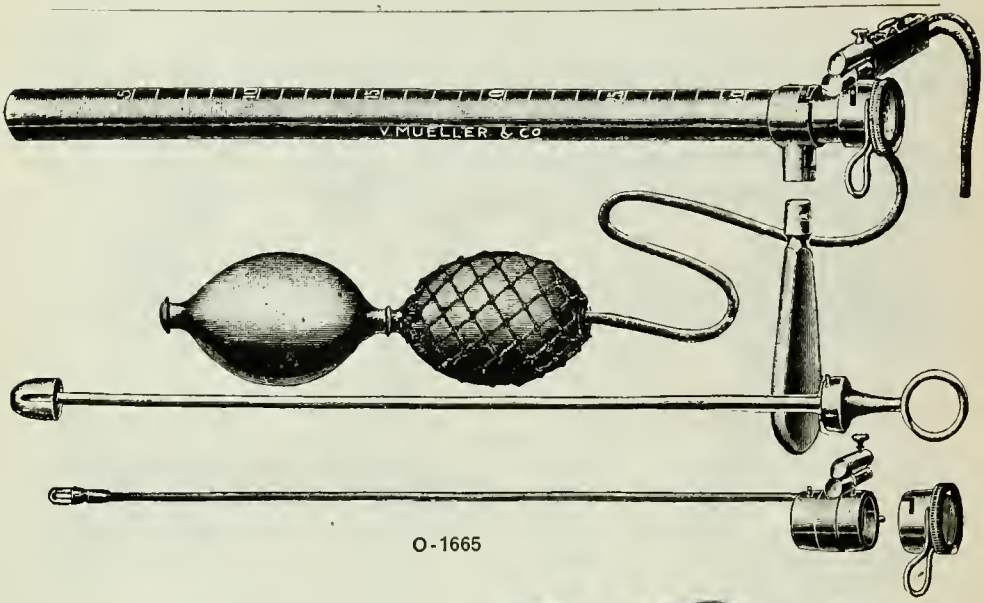
O-1650

O-1655 O-1660

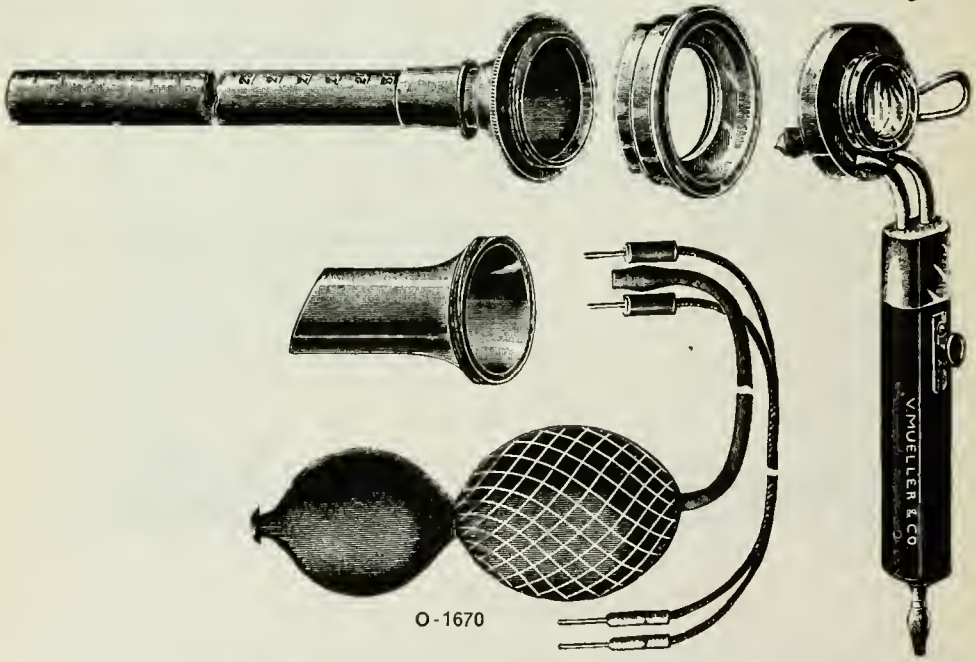
PROCTOSCOPES, PILE PIPES, ETC.

O-1640	Kelly's short proctoscope, or sphincteroscope	$2 00
O-1640A	Kelly's long proctoscope, 8-in.	2 50
O-1640B	Kelly's sigmoidoscope, 17 in. long	3 50
O-1645	Ferguson's rectal speculum, 4½ in. long, made in three sizes, nickel plated, each	1 60
O-1650	Murphy's set of 4 proctoscopes and sigmoidoscopes, telescoping, with obturators, set	7 50
O-1655	Hard rubber pile pipe	50
O-1660	Kelly's conical sphincter dilator	2 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



O-1665



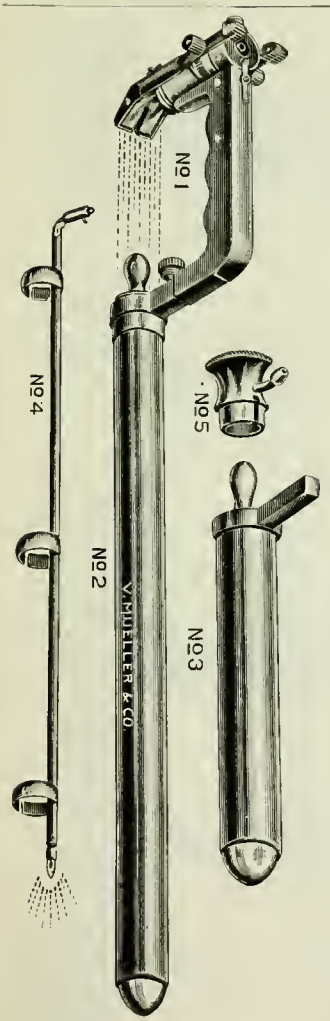
O-1670

ELECTRICALLY ILLUMINATED PROCTOSCOPES AND SIGMOIDOSCOPES

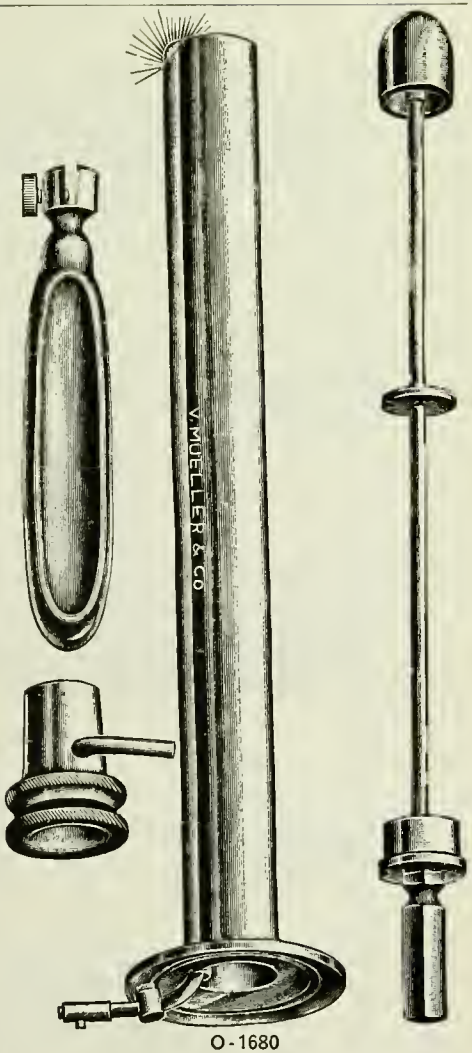
O-1665 Strauss' proctoscope and sigmoidoscope. This apparatus is favorably known in Europe and of late has been in great demand in this country. The apparatus consists of five parts, a graduated tube, detachable handle, dilating attachment with light carrier, observation window and dilating bulb.
Outfit as described with tube 12 cm. long by 20 mm. diameter.....$17 50

O-1665A With tube 30 cm. long by 20 mm. diameter, or 35 cm. long by 20 mm..... 19 50

O-1670 A. Foge's (Vienna) Colpo-proctoscope, for the illumination and inflation of the vagina and lower section of the bowel, consisting of illuminating apparatus with reserve lamp, conducting cable, removable window, three tubes, 10, 15 and 30 cm. long. Also four different sized tubes for the vagina.
Complete 55 00



O-1675



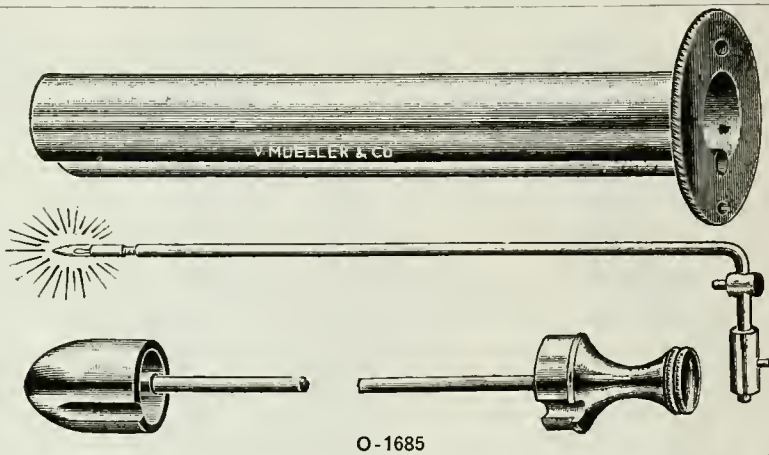
O-1680

ELECTRICALLY ILLUMINATED PROCTOSCOPES AND SIGMOIDOSCOPES

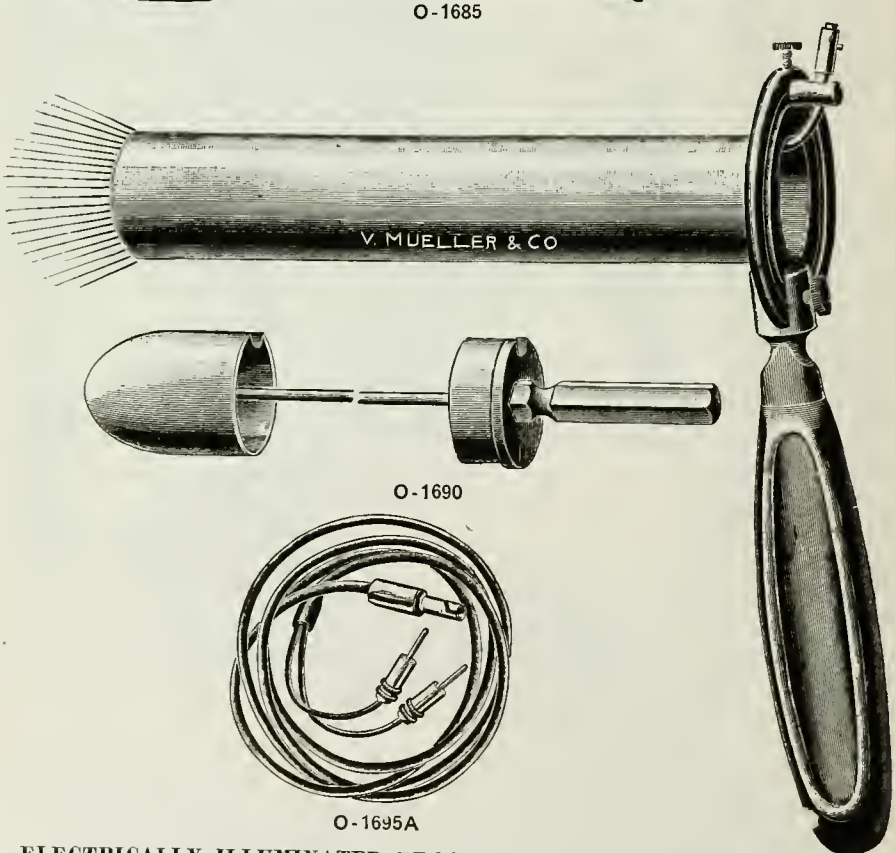
O-1675 J. B. Murphy's pneumatic proctoscope and sigmoidoscope. The complete apparatus as illustrated consists of the following:
Fig. 1 Bruening-Murphy electroscope.
Fig. 2 Sigmoidoscope with obturator, length 32 cm.
Fig. 3 Proctoscope with obturator, length 14 cm.
Fig. 4 Light carrier.
Fig. 5 Dilating window, and conducting cords for the electroscope Fig. 1 is so made that current is not grounded to any of the metal parts, therefore accidental shock to operator or patient is impossible. The light from this lamp is thrown through a telescoping condensing lens upon a mirror reflector, thus directed in parallel rays to the part under observation. A slot in the reflector allows a direct line of vision and the introduction of operating instruments. The angle of the reflector is adjustable, and at a convenient point a switch is provided for turning the light on and off.
Complete with pneumatic proctoscope and sigmoidoscope..... $55 00

O-1675A Without Bruening-Murphy electroscope, but with plain handle, (not illustrated), light carrier and all other parts described..... 30 00

O-1680 Tuttle's pneumatic procto-sigmoidoscope, consisting of tube, obturator, window, light carrier with extra lamp, detachable handle and dilating bulb. Outfit with tube 4 inches long..... 14 00
With tube 10 inches long..... 16 00



O-1685



O-1690

O-1695A

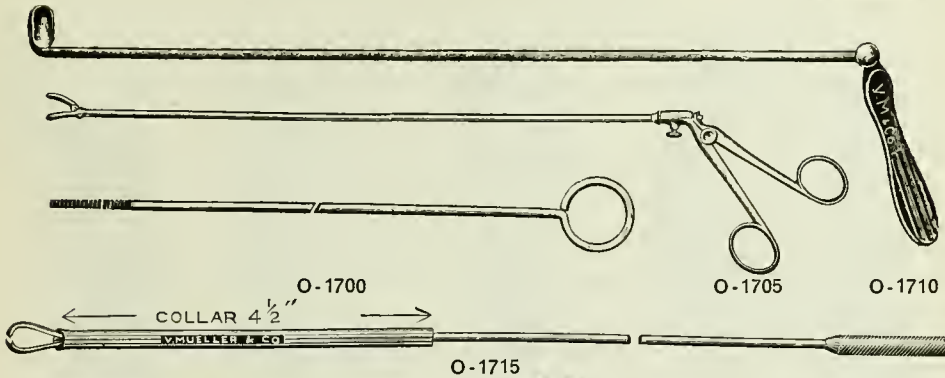
ELECTRICALLY ILLUMINATED PROCTOSCOPES AND SIGMOIDOSCOPES

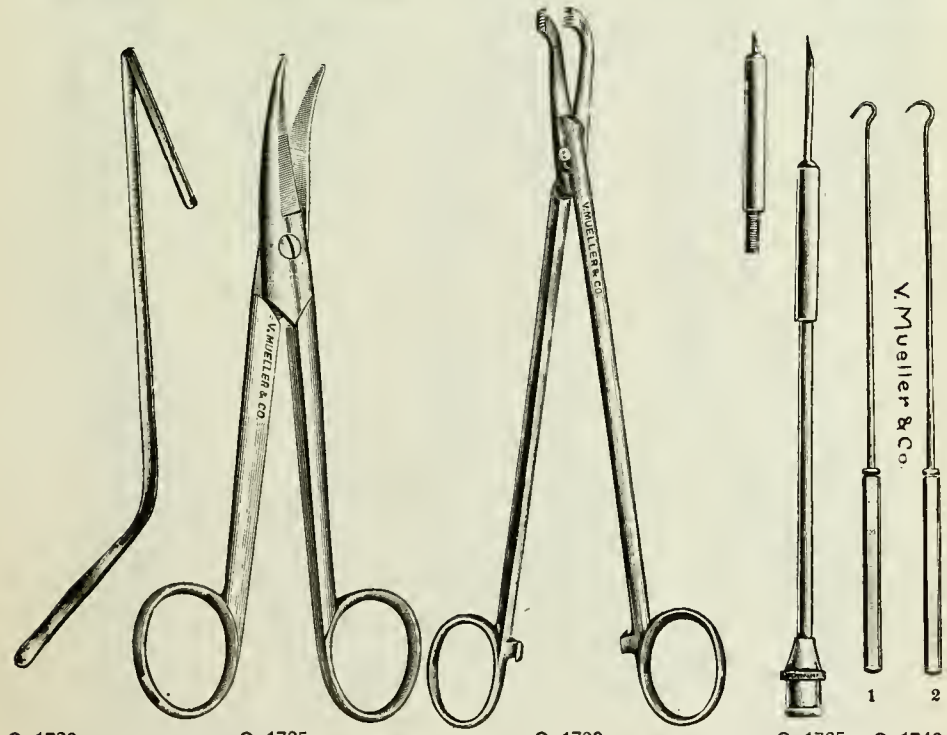
O-1685 E. S. I. Co.'s proctoscope, with obturator, light carrier and extra lamp. This apparatus is made in two lengths, 15 or 20 cm. long..... $6 75

O-1690 Tuttle's operating proctoscope This proctoscope is 29 mm. in diameter and 15 cm. long. Complete with obturator, light carrier with extra lamp and interchangeable handle 12 00

O-1695 Strauss' short proctoscope, length 12 cm. For description see Fig. O-1665. With all attachments necessary..... 17 50

O-1695A E. S. I. Co.'s rubber covered conducting cords..... 1 50

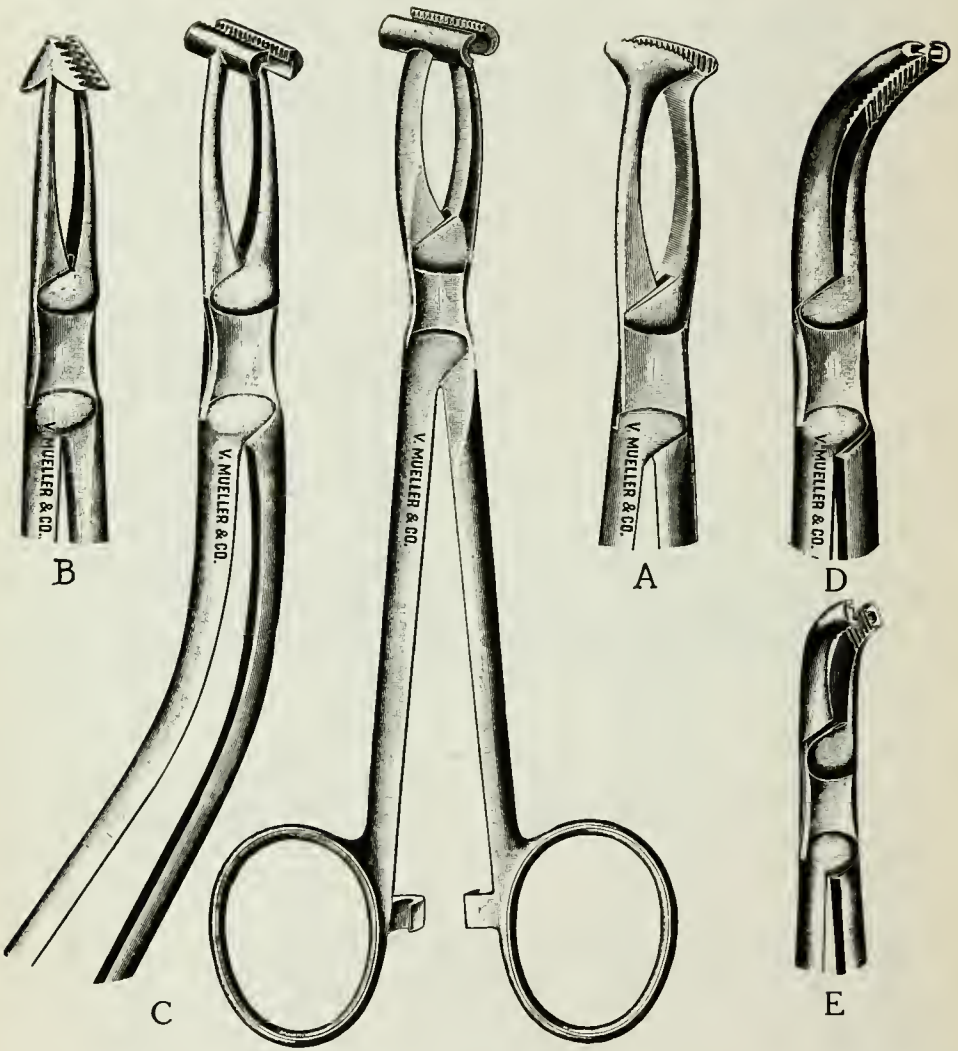




RECTAL OPERATING INSTRUMENTS

O-1700	Sponge holder for use through proctoscope	$0 50
O-1705	Little's universal alligator forceps, for use through proctoscopes and sigmoidoscopes, can be furnished with cutting or grasping jaws	7 50
O-1710	Kelly's rectal scoop	1 50
O-1715	Jackson's sponge holder, latest model, with long threaded collar which prevents the sponges from being lost, and on account of its length it cannot be caught at the edge of the tube	2 25
O-1720	Murray-Gant's grooved director	1 00
O-1725	Murray's rectal dissecting scissors	1 50
O-1730	Pratt's haemostatic forceps, curved, on flat 8¾ inches	1 75
O-1735	Haemorrhoidal needle	1 25
O-1740	Pratt's rectal tenacula, two patterns, sharp and blunt, each	50

Do not mutilate catalogue.—Specify section letter and number in ordering.



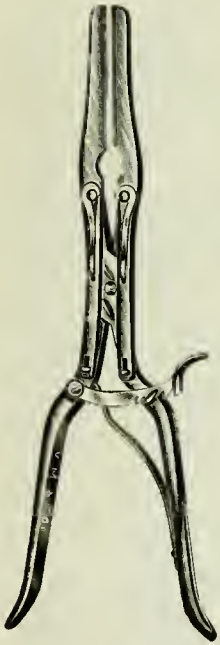
O-1745

RECTAL OPERATING FORCEPS

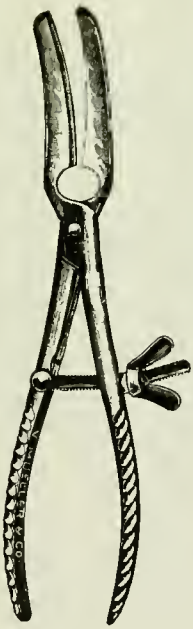
O-1745 Pratt-Smith's T shaped forceps, 5½ in..... $1 25
O-1745A Pratt's T shaped forceps, 6¼ in..... 1 25
O-1745B Pratt's V shaped forceps, 8 in..... 1 75
O-1745C Pratt's T shaped forceps, curved sidewise, 8 in..... 1 75
O-1745D Pratt's tissue forceps, curved on flat, 8¾ in..... 1 60
O-1745E Pratt's short curved tissue forceps, 5¼ in..... 1 25

The forceps above described can be furnished with locks as illustrated, or with aseptic slide lock, at the same price.

Do not mutilate catalogue.—Specify section letter and number in ordering.


O-1750


O-1755

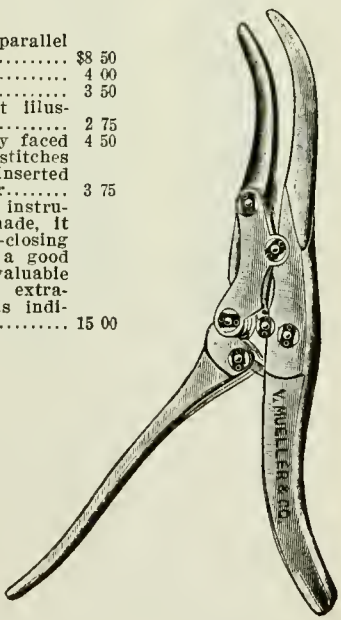

O-1760


O-1775

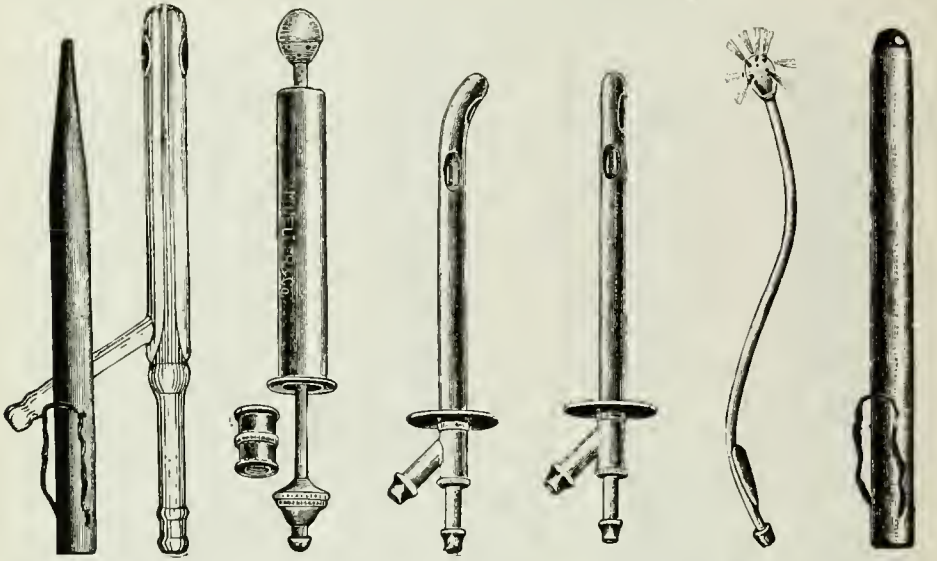
PILE CLAMPS

O-1750	Murray's pile clamp, parallel pressure	$8 50
O-1755	Cook's pile clamp	4 00
O-1760	Keisey's pile clamp	3 50
O-1765	Jarvis' pile clamp (not illustrated)	2 75
O-1770	Smith's pile clamp, ivory faced	4 50
O-1775	McLean's pile clamp, stitches may be accurately inserted after removal of tumor	3 75
O-1780	Roux's angiotribe. This instrument is ingeniously made, it has an automatic self-closing joint and is not only a good pile clamp, but also valuable in operations where extraordinary haemostasis is indicated	15 00

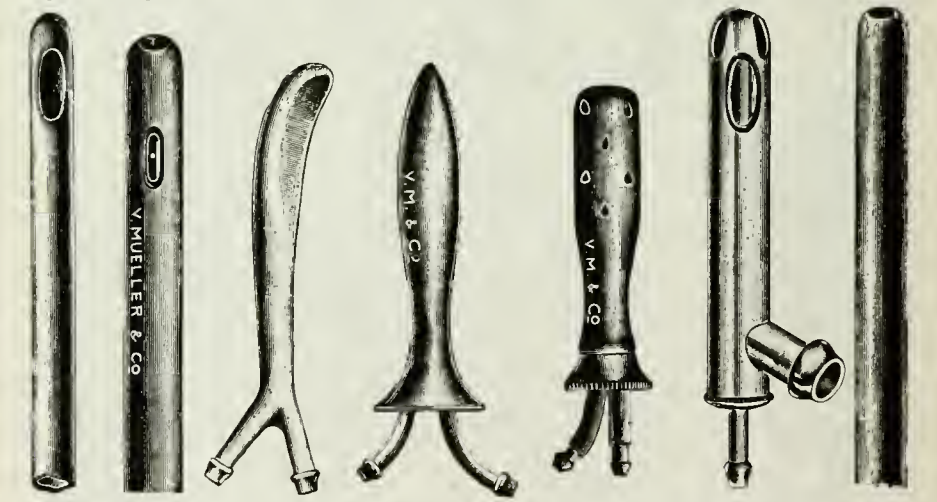

O-1770



O-1780



O-1800 O-1810 O-1815 O-1820 O-1825 O-1830 O-1805



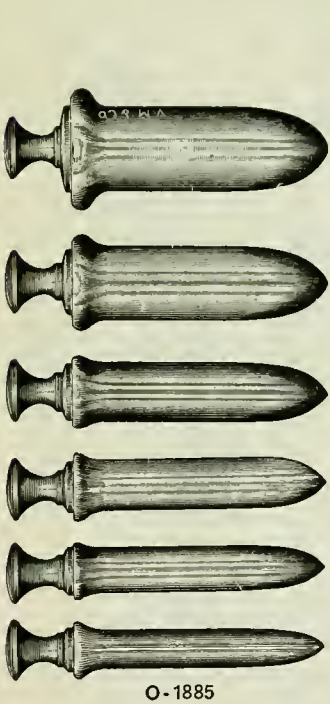
O-1865 O-1860 O-1845 O-1850 O-1835 O-1840 O-1855

RECTAL TUBES, BOUGIES AND DOUCHES

O-1800	Rectal bougies, conical, linen, six sizes, each	$0 90
O-1805	Rectal bougies, cylindrical, linen sizes, each	80
O-1810	Rectal douche, return flow, made of glass	1 00
O-1815	Jennison's rectal douche	1 25
O-1820	Guitera's rectal douche, curved	1 75
O-1825	Guitera's rectal douche, straight	1 50
O-1830	Cole's sigmoid douche	1 00
O-1835	Bodenhamer's rectal douche	2 00
O-1840	Martin's rectal douche	1 25
O-1855	Eissner's prostatic cooler	1 50
O-1850	Arzberger's rectal cooler	1 50
O-1855	Rectal tubes, soft rubber, open end, each, 20 in, $0 60, 30 in	75
O-1860	Rectal tubes, soft rubber, with end and side openings, each., 20 in., $0 60, 30 in..	75
O-1865	Rectal tubes, with closed end and side opening, each 30 inches long	75

Rectal tubes can be furnished from 20 to 36 Fr.

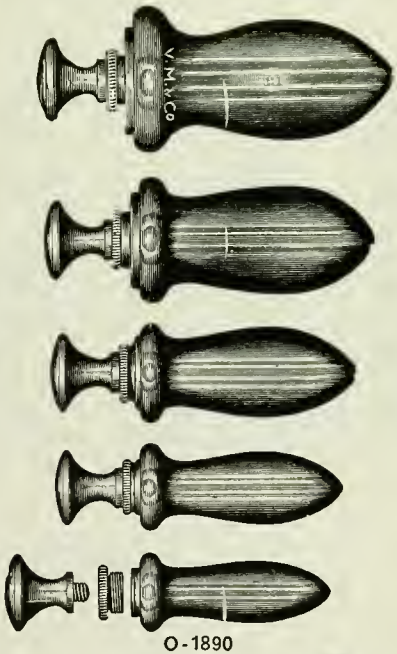
Do not mutilate catalogue.—Specify section letter and number in ordering.



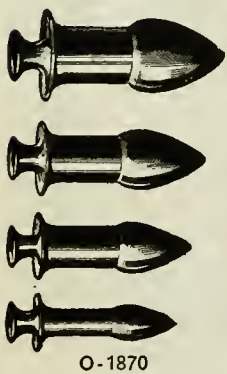
O-1885



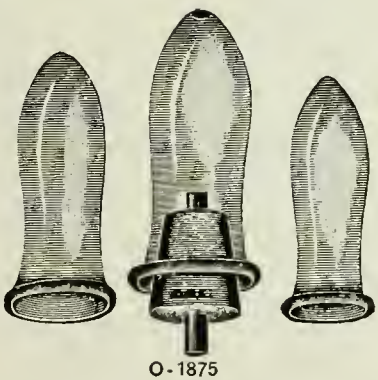
O-1895



O-1890



O-1870



O-1875



O-1880

RECTAL DILATORS

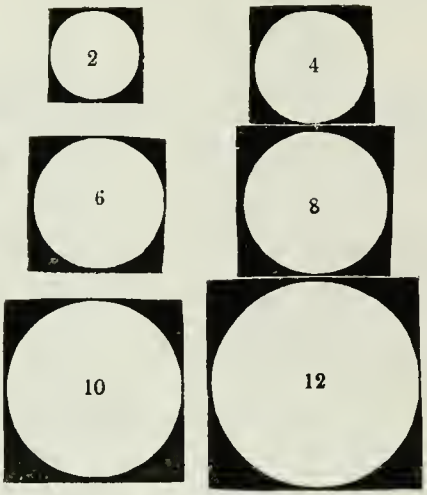
O-1870 Young's hard rubber rectal dilators, four in set as illustrated..... $3 00
Arranged for flushing, set of four..... 3 00
O-1875 V. M. & Co.'s rectal dilators, made of glass, large size arranged for flushing, set of three 1 00
O-1880 Mantz' rectal dilators, made in four sizes, aluminum, per set..... 2 50
O-1885 Pratt's hollow rectal dilator, nickel plated, made in 6 sizes, each..... 1 25
O-1890 Boekel's improved self-retaining rectal dilators, hollow, nickel plated, each..... 1 50
O-1895 Pratt's rectal dilators with in- and out-flow tubes, by means of which a constant flow of either hot or cold water can be passed through the dilator, each..... 1 50

Dilators Fig. O-1885, O-1890 and O-1895 are made in six sizes, and the dimensions are as follows: Smallest size No. 0 5/8 in., No. 1 3/4 in., No. 2 7/8 in., No. 3 1 in., No. 4 1 3-16 in., No. 5 1 3/8 in., diameter.

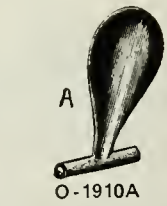
Do not mutilate catalogue.—Specify section letter and number in ordering.



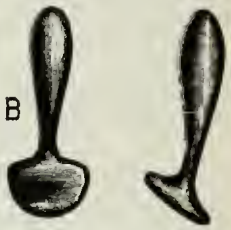
O-1900



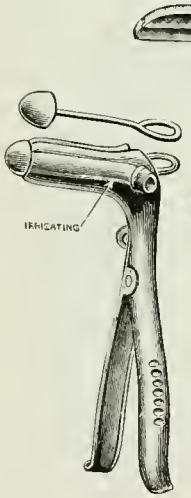
O-1905



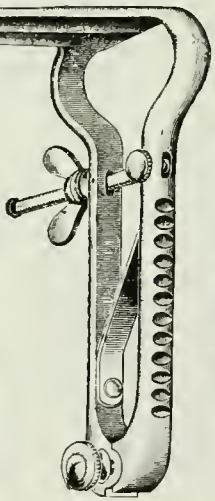
O-1910A



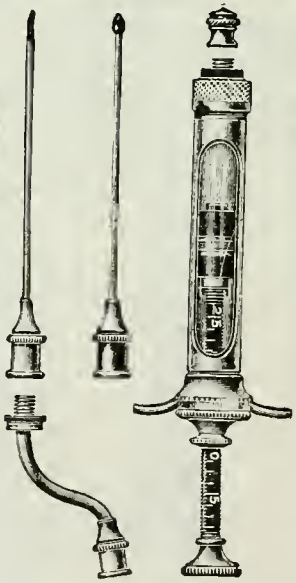
O-1910



O-1915



O-1920



O-1925



O-1930

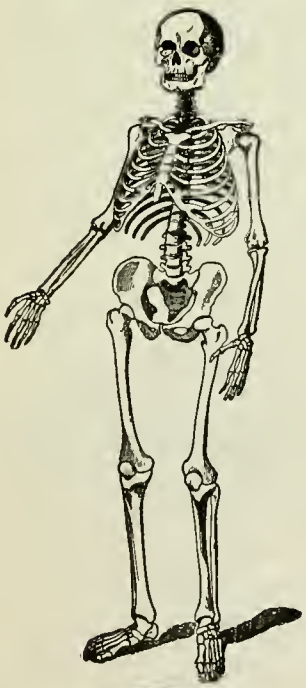
RECTAL INSTRUMENTS AND BOUGIES

O-1900	Bougies, Wales', for dilating rectal strictures, soft rubber. Conical or olive pointed; sizes, 2 and 4, each, $1 25; 6 and 8, each, $2 25; 10 and 12, each.....	$3 50
O-1905	Illustrating sizes of rectal bougies.	
O-1910	Pile supporter, made of hard rubber.....	60
O-1910A	Pile supporter, made of hard rubber.....	60
O-1910B	Pile supporter, hammer shaped	1 00
O-1915	Rectal specula, Pennington's, with irrigating attachment, $3 25; without irrigating attachment	2 50
O-1920	Pile clamp, Gant's	5 50
O-1925	Pile injection syringe, Gant's, in case.....	3 00
O-1930	Introducing forceps for valve clamps, without clamp.....	4 00
	Clamps for above forceps, each.....	1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.

Section "P"

Osteological Preparations
Diagnostic Instruments and Apparatus
Dissecting and Post-Mortem Instruments
Apparatus for Blood and Urine Analysis
Laboratory Apparatus and Glass Ware
Microscopes and Microscopic Accessories
Apparatus for Cupping and Leeching
Syringes for Aspiration and Injection

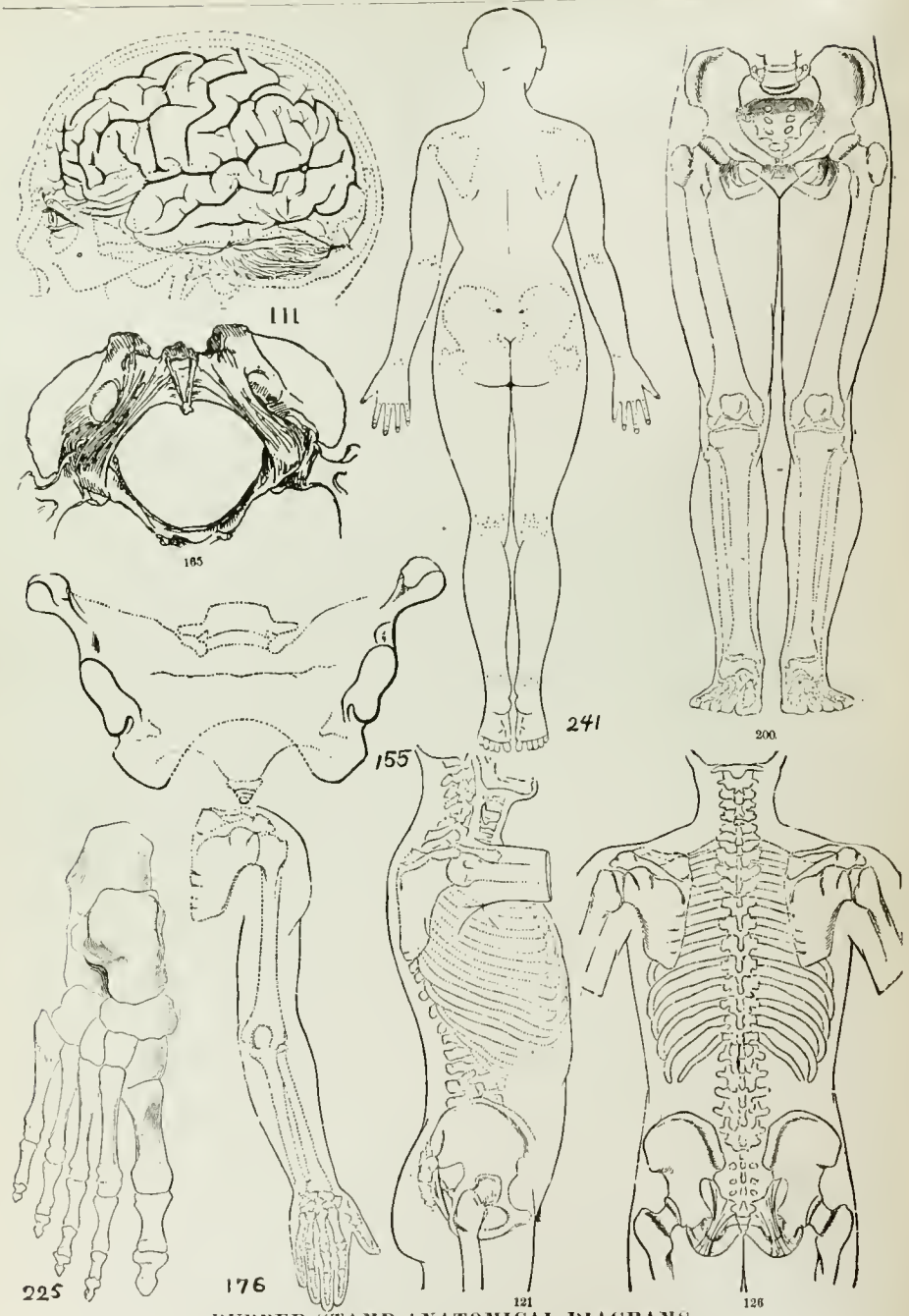




HUMAN OSTEOLOGY, ETC.

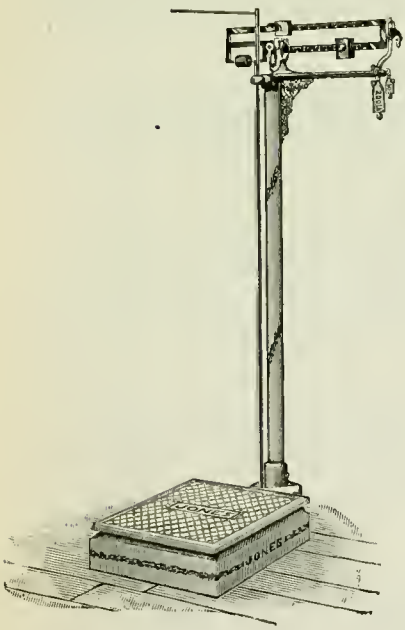
P- 1 Skeleton disarticulated $27 00
P- 2 Skeleton plain, wire articulation, admits of disconnection of skull and limbs..... 35 00
P- 3 Skeleton same, choice quality..... 37 50
P- 4 Skull, adult, without cut, lower jaw fastened with spring 12 00
P- 5 Skull, adult, 5 sections, showing sinuses, antrum, cranial cavity and nasal fossae..... 18 00
P- 6 Skull, adult, 7 sections, showing sinuses, cranial cavity, nasal fossae, etc. The temporal bones can be removed and are dissected to disclose the structure of the inner ear..... 20 00
P- 7 Skull, disarticulated in box with compartment tray 13 50
P- 8 Skull, choice quality, in box with compartment tray 16 50
P- 9 Spinal column, articulated..... 13 50
P-10 Temporal bone, bisected through mastoid cells, exposing ossicles tympanum, etc..... 8 00
P-11 Pelvis, female, without ligaments..... 8 00
P-12 Pelvis, female, with artificial ligaments..... 12 00
P-13 Arm and hand, articulated, scapula, humerus, radius, ulna, carpus, metacarpus, phalanges.... 5 00
P-14 Hand, articulated 3 00
P-15 Leg and foot, articulated, femur, tibia, fibula, tarsus, metatarsus, phalanges..... 5 00
P-16 Special dissections of the musculature of any region of the body. Dried and prepared. Prices on application.
P-17 Special dissections of the vessels and nerves of any region of the body. Dried and prepared. Prices on application.
P-17A Special dissections of any part of the brain. In neat glass jar. Prices upon application.
Special topographical dissections of any region of the body, displaying structures as per order. Dried and prepared. Prices on application.

Do not mutilate catalogue.—Specify section letter and number in ordering.

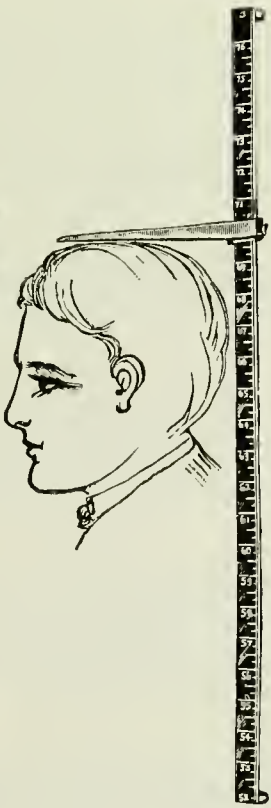


RUBBER STAMP ANATOMICAL DIAGRAMS

P-18	Brain, vertical section, right and left, Fig. 111, each	$1 00
P-19	Pelvis, horizontal view, Fig. 155	1 00
P-20	Pelvis, with ligaments, after Howard A. Kelly, Fig. 165	1 00
P-21	Arm, posterior view, right and left, Fig. 176	1 00
P-22	Foot, skeleton seen from above, right or left, Fig. 225	1 00
P-23	Female body, anterior or posterior view, Fig. 241, each	2 25
P-24	Pelvis and lower extremities, anterior and posterior view, Fig. 200, each	1 75
P-25	Trunk, lateral view, right or left side, Fig. 121, each	1 50
P-26	Trunk, posterior and anterior view, Fig. 126, each	1 75



P-27



P-29



P-28

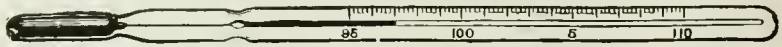
SCALES AND MEASURING RODS

P-27 Jones' physician's scale, "The Bertillion," is absolutely accurate and fully warranted, finished in white enamel with brass beam and measuring rod nickel-plated. The platform measures 13x17 and is only 5 inches high, it weighs any one less than 400 lbs. by quarter pounds $17 00

P-28 Fairbank's physician's scale, made of brass and iron with a tall pillar which places the beam on a level with the eyes. It is finished in pale blue enamel with nickel-plated sliding poise beam. The scale is furnished either with or without measuring rod as desired, capacity 250 lbs. by 1 oz. Platform 10½x14½, without measuring rod 18 00
With measuring rod 26 00

P-29 The McCully improved measuring rod, made of brass, polished and nickel-plated, can be attached to the wall, window or door frame, measures from 52 to 76 inches 3 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-30



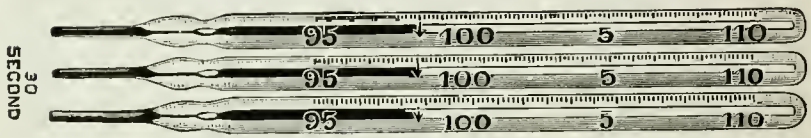
P-31



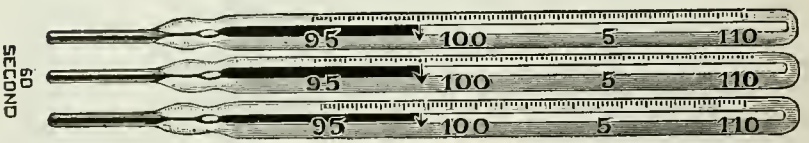
P-32



P-33



P-34



P-35



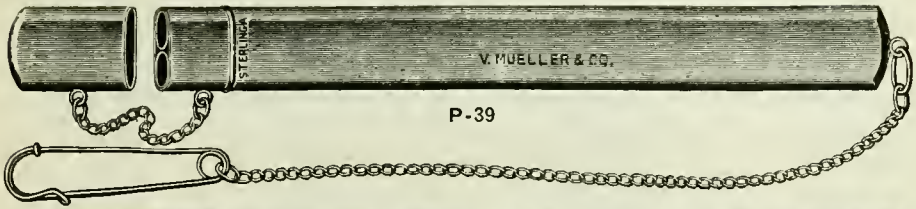
P-37

CLINICAL THERMOMETERS

P-30	Clinical thermometer, plain index	$0 35
P-31	Clinical thermometer, twin bulb, magnifying index, 1 minute, $1 00; ½ minute	1 25
P-32	Clinical thermometer, genuine Hick's, 1 minute	3 00
P-33	Clinical thermometer, centigrade scale, numbers and graduations are inside tube, therefore perfectly aseptic	1 00
P-34	V. M. & Co. thermometer, ½ minute, magnifying index with certificate, guaranteed to be correct	75
P-35	V. M. & Co. thermometer, 1 minute, magnifying index with certificate, guaranteed to be correct	50
P-36	V. M. & Co. thermometer, 2 minute, magnifying index with certificate	40
P-37	"E-Z-C" clinical thermometer	1 25
P-38	The Tycos clinical thermometer in safety case	1 50

Thermometers listed above are furnished in hard rubber cases. In aluminum, or plated cases 10 cents extra. (Special prices on quantities).

Do not mutilate catalogue.—Specify section letter and number in ordering.



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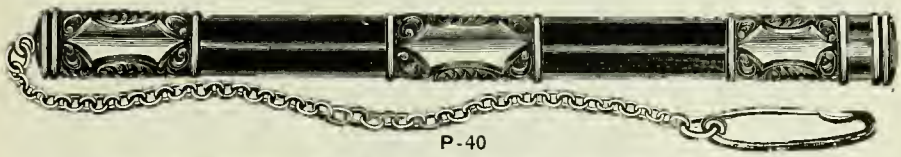

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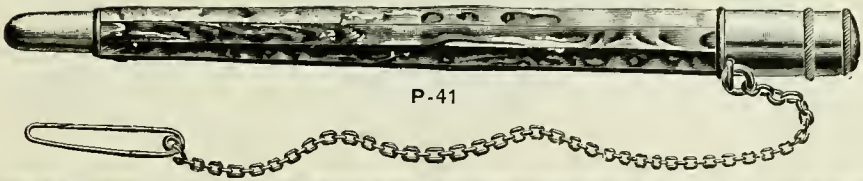
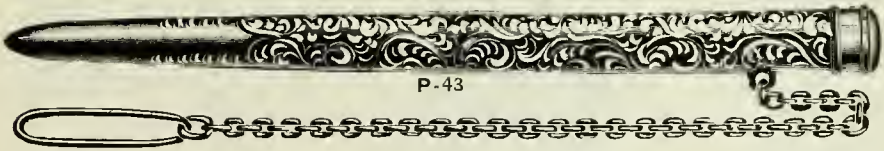


P-41



P-42



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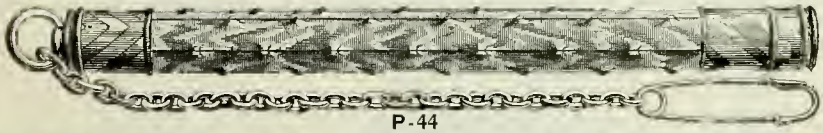


P-44

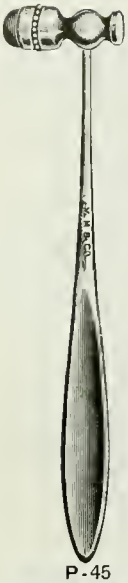


P-44A

THERMOMETER CASES

P-39	Sterling silver thermometer case, for carrying regular and rectal thermometer	$3 50
P-40	Sterling silver and black enamel thermometer case	1 50
P-41	Tapering pearl and gold plated thermometer case	2 50
P-42	Sterling silver thermometer case	1 25
P-43	Sterling silver, tapered end thermometer case	1 50
P-44	Pearl and gold plated thermometer case	2 00
P-44A	Sterling silver octagonal thermometer case, made extra heavy and finely chased	4 00

Do not mutilate catalogue.—Specify section letter and number in ordering.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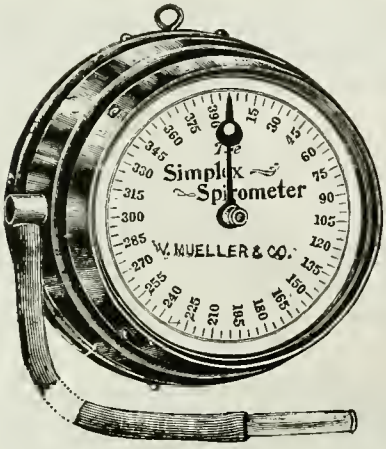


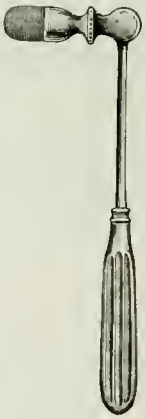
P-46


P-47


P-48


P-49

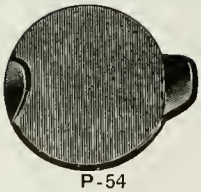

P-50


P-51


P-52



P-53


P-54

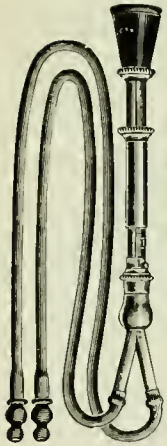


P-55

PERCUSSION HAMMERS, PLEXIMETERS, ETC.

P-45	Percussion hammer, V. M. & Co.'s	$0 65
P-46	Spirometer, Simplex	6 00
P-47	Percussion hammer, Dencker's, as used at Johns Hopkins University	2 50
P-48	Percussion hammer, Flint's, metal handle	65
P-49	Percussion hammer, Niemeyer's	60
P-50	Percussion hammer, Bartlett's, flexible metal stem	75
P-51	Percussion hammer, Niemeyer's latest improved	1 25
P-52	Percussion hammer, Taylor's, heavy for reflexes	1 25
P-53	Struck's pleximeter	25
P-54	Flint's pleximeter	25
P-55	Flint's pleximeter, oblong	25

Do not mutilate catalogue.—Specify section letter and number in ordering.



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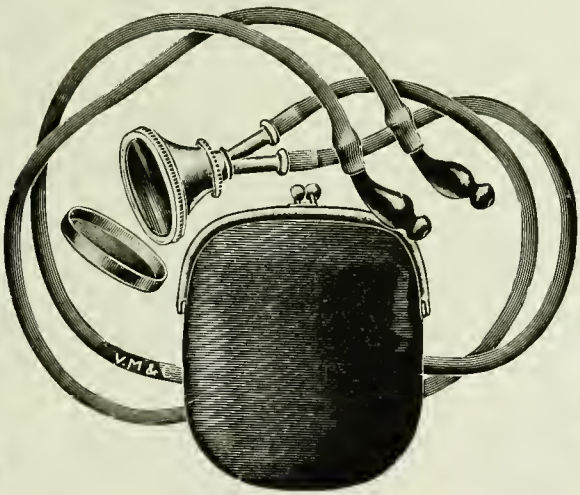

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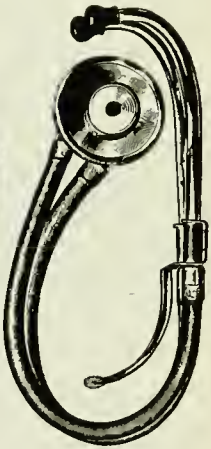
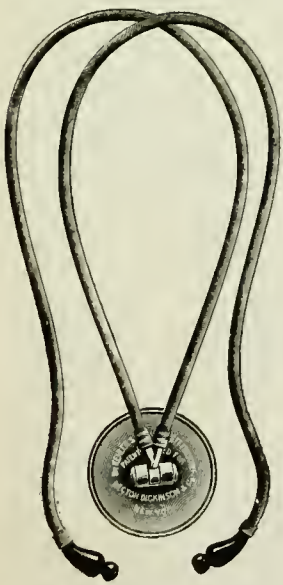


P-58



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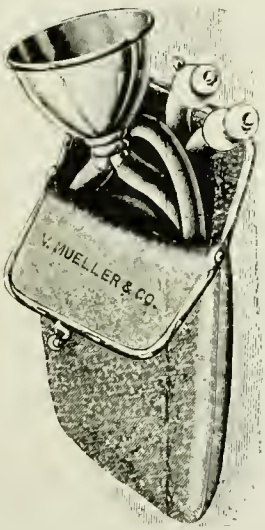

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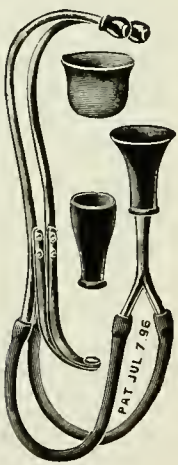
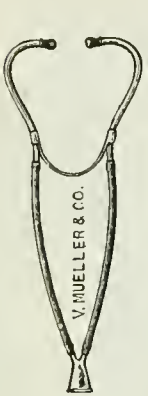


P-61

STETHOSCOPES

P-56	Oertel's stethoscope for measuring relative intensity of heart sounds	$5 00
P-57	V. M. & Co.'s pocket stethoscope, with membrane and metal protector	1 75
P-58	Fosgate's vibroscope with intercostal diaphragm	3 50
P-59	Koehler's stethoscope with swivel joint, latest model	2 50
P-60	Herrick's pocket stethoscope, metal bell, without diaphragm	1 50
P-61	Sheppard's folding stethoscope, net	2 00

Do not mutilate catalogue.—Specify section letter and number in ordering.

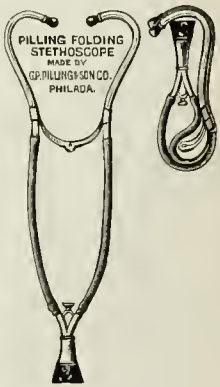


P-62


P-63


P-64


P-66



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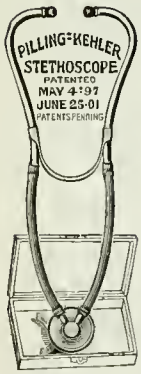

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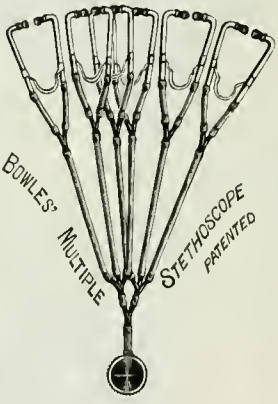
P-68



P-69



P-70



P-71


P-72


P-73


P-74

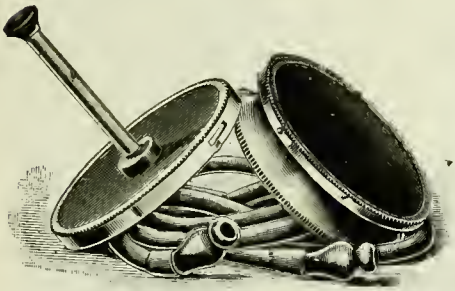

P-75


P-76

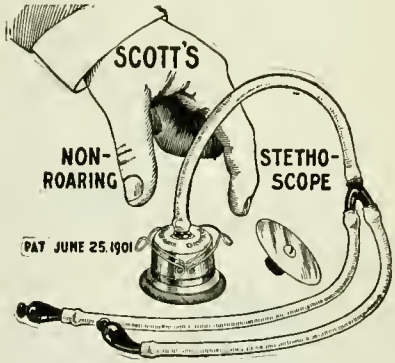
STETHOSCOPES

P-62	Herrick's stethoscope, with metal bell	$1 25
P-63	Ford's stethoscope, with specially heavy pure gum tubing, heavy metal end and bell	2 25
P-64	Down's stethoscope with finger rest	2 25
P-65	Down's Pilling stethoscope, folding	2 50
P-66	Snofton's improved stethoscope	1 35
P-67	Pilling Koehler's stethoscope, net	2 25
P-68	Penhallow stethoscope, net	3 00
P-69	Bowles' multiple stethoscope, for two persons, net $5 00; three persons, net $6 50; six persons, net $9.00; twelve persons, net	12 00
P-70	Bowles' stethoscope, round with extra hard rubber bell, either size diaphragm, net	4 50
P-71	Bowles' stethoscope, flat-iron shape, one size only, net	4 50
	Bowles' stethoscope chest pieces, round are made in three sizes, 1⅜-in., 1¾-in. and 2⅛-in.	
P-72	Bowles' chest piece, three sizes, each, net	3 00
P-73	Bowles' flat-iron shape chest piece, one size, net	3 25
P-74	Bowles' chest piece with Y shaped connection, net	2 75
P-75	Spring for Bowles' stethoscope	35
P-76	Y piece for Bowles' stethoscope	35

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-77



P-78



P-83



P-79



P-80



P-81



P-82



P-84



P-85



P-86



P-87



P-88



P-89



P-90

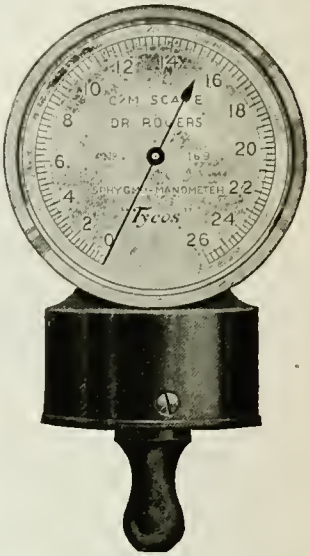
STETHOSCOPES

P 77	Phonendoscope, made in two sizes, metal case or soft leather pouch, each, net	$3 50
P-78	Scott's non-roaring stethoscope, net	3 50
P-79	Double end pocket stethoscope, hard rubber bell	1 25
P-80	Kuznik pocket stethoscope, with metal and hard rubber bell, in pouch	1 25
P-81	Hawksley's stethoscope, metal stem and bell	1 00
P-82	Telescopic stethoscope, Hawksley's	1 50
P-83	Hard rubber ear tips for phonendoscopes, etc., each	15
P-84	Stethoscopic tip, hard rubber, each	10
P-85	Combination bell, hard rubber, Bowles' stethoscope	50
P-86	Soft rubber cap, Bowles' round stethoscope	15
P-87	Soft rubber cap, Bowles' flat-Iron stethoscope	25
P-88	Metal protector for chest piece, any size	25
P-89	Hard rubber diaphragm, round, any size	25
P-90	Hard rubber diaphragm, flat-iron shape	25
P 91	Hard rubber bell for Ford's stethoscope for Fig. D-63, also D-64 and D-65, each	40

Do not mutilate catalogue.—Specify section letter and number in ordering.



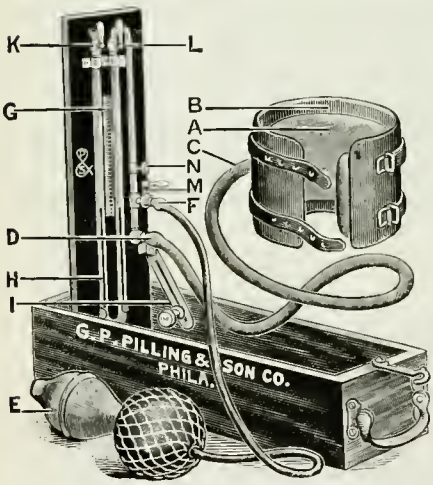
P-94A



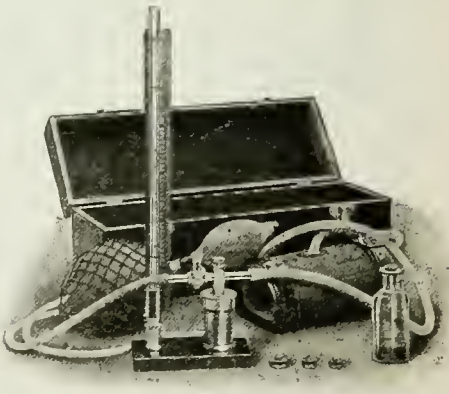
P-92A



P-92



P-93



P-94

BLOOD PRESSURE APPARATUS

P-92 Tycos sphygmomanometer as shown is applied to the arm and ready for use. It consists of a gauge, an arm piece, an inflatable bulb and two short pieces of rubber tubing. It measures between 0 and 260 millimeters of mercury, but there is no mercury in the instrument, consequently no mercury to spill and no glass tubes to break. Put up in compact case, size 5½x3½x2½, net.....$25 00

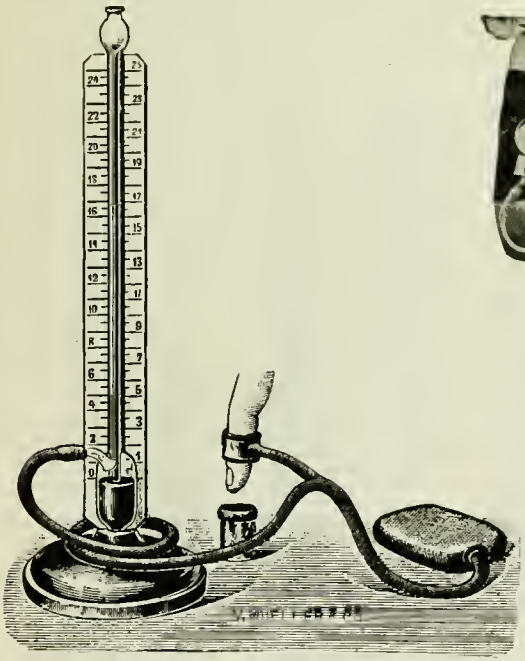
P-92A Illustration showing full size of the Tycos gauge.

P-93 Faught's sphygmomanometer is contained in portable mahogany box, 16x4x4½ inches. Its advantages are, compactness, absolute control of mercury, facility of determining diastolic blood pressure and the glass manometer tube is not exposed to danger of breakage. Complete with arm band, bulb or metal pump, net..... 20 00

P-94 Stanton sphygmomanometer, complete in leather covered wood case with circular of directions, net 20 00

P-94A Metal Pump for Sphygmomanometers. Price..... 3 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



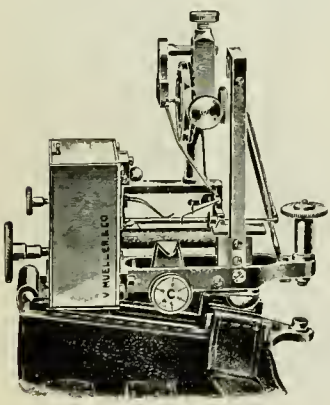
P-97



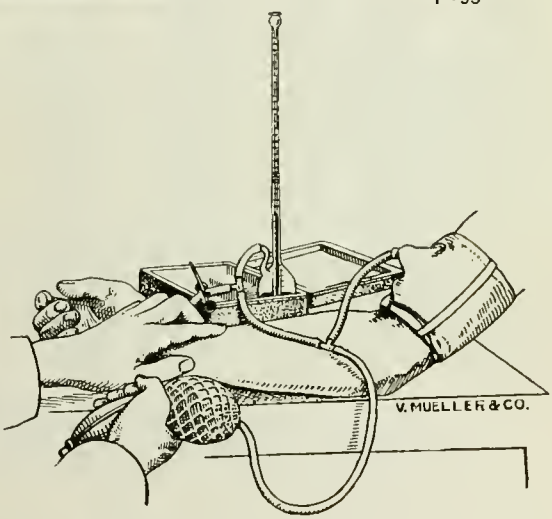
P-95



P-95



P-97A



P-96

BLOOD PRESSURE APPARATUS, ETC.

P-95 Cardiac sphygmomanometer, consisting of pressure gauge, arm sleeve, rubber bulb, contained in case, size 5½x3½x2½, net.....$25 00

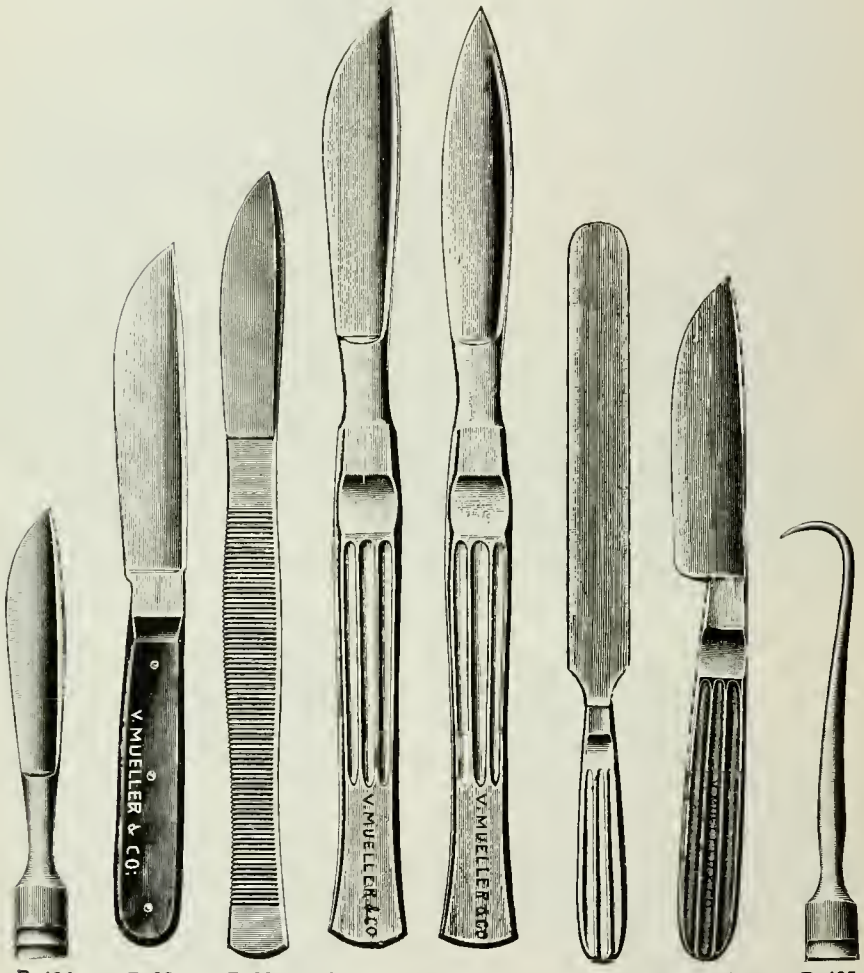
P-96 Riva-Rocci sphygmomanometer, modified by Cook, pocket style, glass tube in two pieces, in portable case, net..... 8 50

P-97 Gaertner's tonometer, hospital pattern, glass tube on base, net..... 15 00

P-97A Gaertner's tonometer, with metal gauge, pocket style, net..... 20 00

97A Sphygmo-cardiograph, Jaquet's, simple pattern for two tracings only, either radial and apex, or radial and jugular..... 80 00

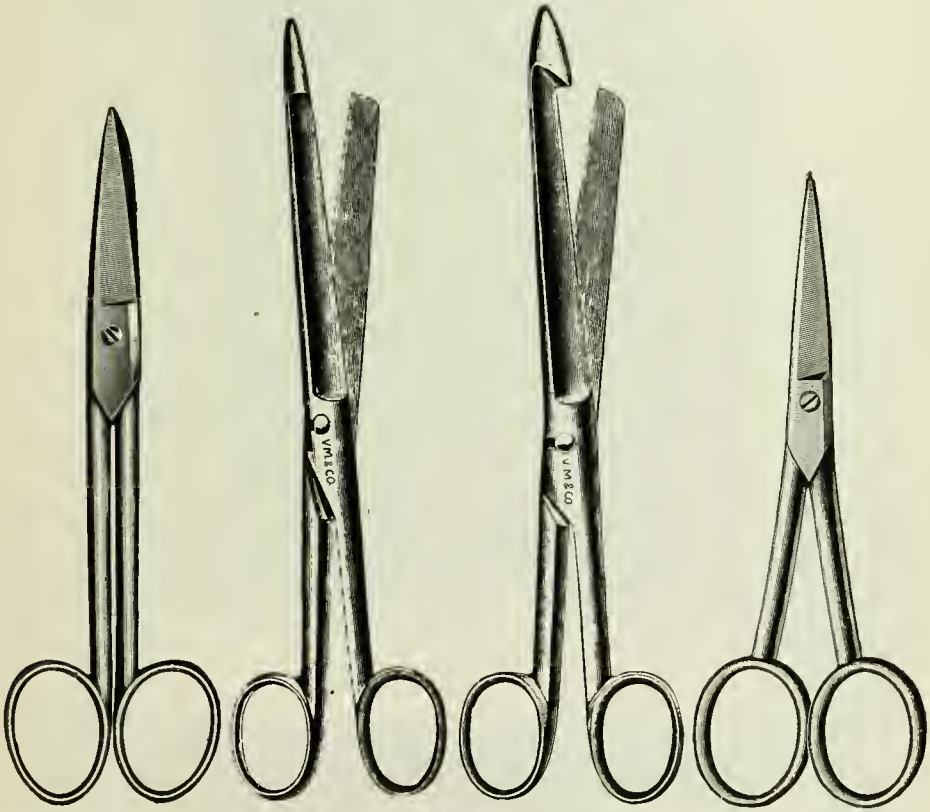
Do not mutilate catalogue.—Specify section letter and number in ordering.



DISSECTING INSTRUMENTS

P- 98	Virchow's cartilage knife, ebony handles	$1 50
P- 99	Cartilage knife, all steel serrated handle	40
P-100	Virchow's cartilage knife, bellied, hollow metal handle	1 75
P-101	Virchow's cartilage knife, center point	1 75
P-102	Brain knife, hollow metal handle	2 25
P-103	Cartilage knife, American pattern, heavy, hollow metal handle	1 75
P-104	Dissecting knife, all steel, ordinary quality, $0 30; best grade	60
P-105	Tenaculum, metal handle	40

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-106 P-107 P-108 P-109



P-110

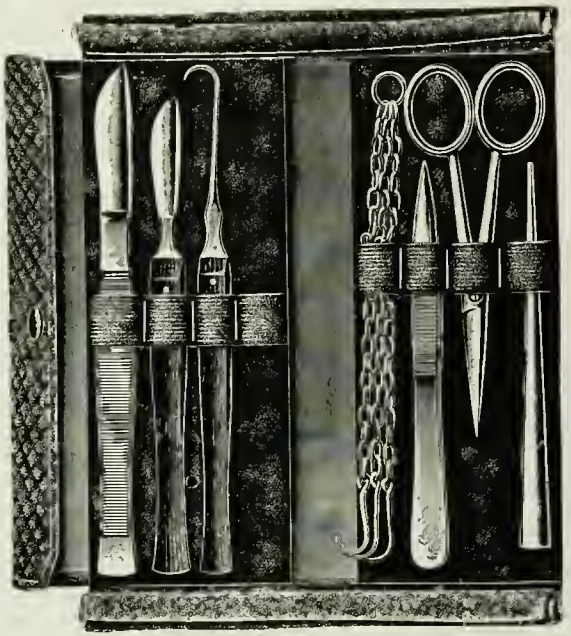


P-111

DISSECTING INSTRUMENTS

P-106	Scissors, heavy, 6-inch	$1 00
P-107	Scissors, dissecting, 4¼-inch	50
P-108	Enterotome scissors	1 75
P-109	Enterotome scissors, probe pointed	1 75
P-110	Forceps, fine, narrow points	50
P-111	Forceps, plain, broad points	40

Do not mutilate catalogue.—Specify section letter and number in ordering.



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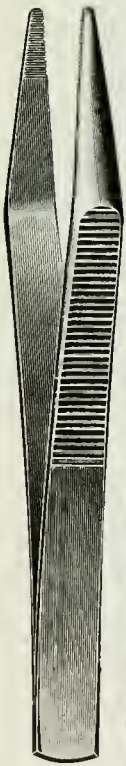
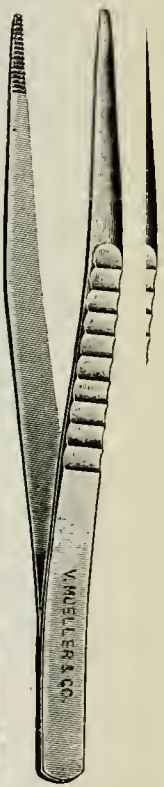


P-112



P-115



P-113

DISSECTING INSTRUMENTS

P-112	Dissecting forceps, regular, heavy	$0 35
P-113	Dissecting forceps, best grade	45
P-114	Dissecting set, in leatherette case with 6 instruments and hooks	2 25
P-115	Dissecting case in polished wooden box, containing 6 instruments and hooks	1 75

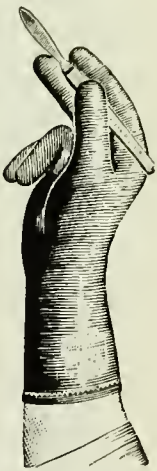
Do not mutilate catalogue.—Specify section letter and number in ordering.



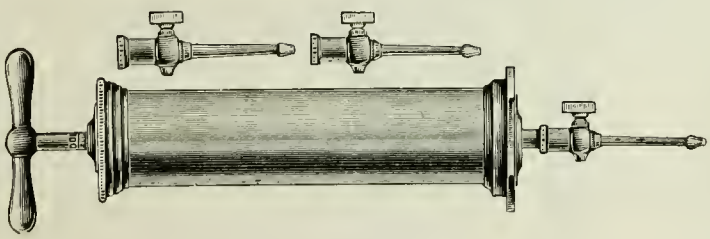
P-118
P-118A



P-116



P-119
P-119A



P-117

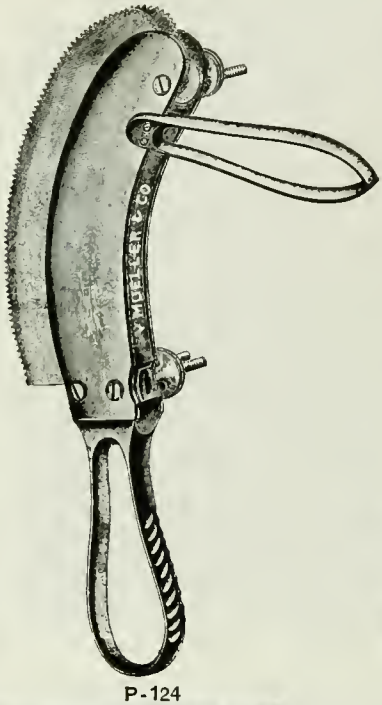
DISSECTING AND POST-MORTEM INSTRUMENTS

P-116	Post-mortem case, coutaining 17 instruments of good quality as Illustrated	$15 00
P-117	Injection syringe, all metal with 3 canulas, made in 6 sizes, from 50 cc. to 500 cc., from $5 00 to	15 00
P-118	Dissecting gowns of heavy drill, best grade	1 35
P-118A	Dissecting gown, ordinary	1 15
P-119	Dissecting gloves, ordinary red rubber, pair	60
P-119A	Dissecting gloves, heavy pure gum, pair	1 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-120



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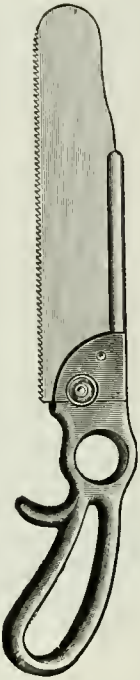
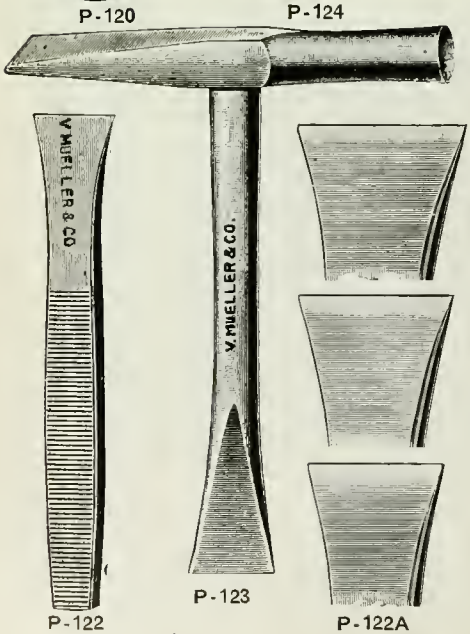

P-125



P-121



P-122 P-123 P-122A

POST-MORTEM INSTRUMENTS

P-120	Costatome chisel	$1 75
P-121	Costatome chisel	2 00
P-122	Chisel, all steel, heavy	60
P-122A	Showing three sizes of chisels,	
P-123	Virchow's skull breaker and hammer	2 00
P-124	Rhachiotome saw, double, latest model	10 00
P-124A	Gait's trephine, not illustrated, large size	2 25
P-125	Saw-Charriere's, 10-inch	1 75

Do not mutilate catalogue.—Specify section letter and number in ordering.

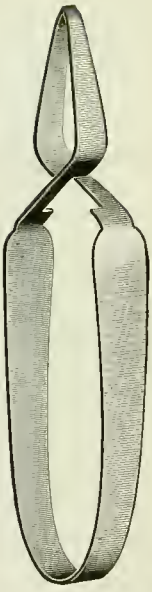

P-130A


P-126


P-127


P-128


P-129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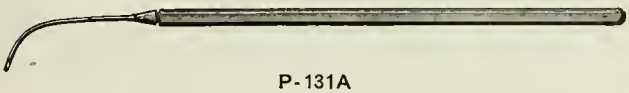
P-133



P-131


P-131A



P-134

MICROSCOPIC INSTRUMENTS

P-126	Dissecting forceps, curved, fine, 4½-inch	$0 60
P-127	Forceps, cover glass, straight, thin blades	50
P-128	Forceps, cover glass, Novy's, slide catch, 4½-inch	1 00
P-129	Forceps, cover glass, bent, thin blades	60
P-130	Forceps, cover glass, Cornet's	45
P-130A	Forceps, cover glass, Stewart's	15
P-131	Dreyer's dissecting forceps, fine points	75
P-131A	Dreyer's ligature carrier	25
P-132	Dissecting forceps, regular	35
P-133	Forceps, cover glass, Novy's plain	50
P-134	Dissecting knife, best grade	60



P-135



P-137



P-136



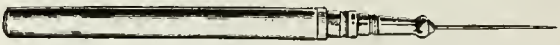
P-138



P-139



P-140



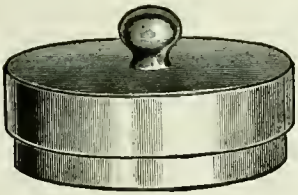
P-141

MICROSCOPIC INSTRUMENTS

P-135	Scissors, dissecting, fine	$0 60
P-136	Scissors, straight, extra fine, sharp point	75
P-137	Scissors, good grade, 4½-inch	65
P-138	Section lifter, all metal, German silver	15
P-139	Section lifter, wooden handle, German silver blade, 40x12 millimeters	35
P-140	Section lifter, wooden handle, German silver blade, 50x38 millimeters	45
P-141	Dissecting needle, bone handle, clamping	15

Do not mutilate catalogue.—Specify section letter and number in ordering.


P-142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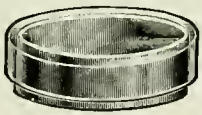
P-146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P-159


P-160


P-161


P-162

LABORATORY SUPPLIES

P-142 Mortar, wedgewood pestle with wooden handle, diameter 10 cm., $0 50; 12 cm., $0 65; 15 cm..... $0 85
P-143 Mortar, strong white glass with glass pestle, small, $0 25; medium, $0 50; large.... 75
P-144 Moist chamber, heavy white glass, 200x70 mm., $1 15; 240x80 mm..... 1 85
P-145 Stender dishes, American make, clear glass, well fitted, from 36 to 60 mm. diameter, each from $0 09 to..... 14
P-146 Pasteur dishes, German, 100 mm. diameter, each..... 25
P-147 Petrie dishes, German, 50 mm., $0 20; 80 mm., $0 25; 120 mm., $0 40; 150 mm..... 60
P-148 Watch glass, Syracuse, 65 mm., per 10..... 50
P-149 Dishes, preparation, loose fitting cover, 50 mm., $0 20; 60 mm., $0 25; 80 mm., $0 35; 100 mm..... 50
P-150 Beakers, best Bohemian glass, capacity from 15 cc to 450 cc., from $0 06 to..... 25
P-151 Bottle, balsam 25
P-152 Bottle, dropping, ground glass stopper, 30 cc..... 25
P-153 Bottles, reagent, lettered, narrow mouth, glass stopper, 125 cc. capacity, 32 reagents 25
P-154 Bottle, dropping, bulb shape finger pipette without rubber, 15 cc., $0 15; 30 cc..... 20
P-155 Dishes, porcelain, evaporating, capacity from 50 to 300 cc., from $0 20 to..... 55
P-156 Bottle, dropping, ground stopper, bulb pipette, 30 cc..... 20
P-157 Watch glasses, thin concave form, diameter from 40 to 120 mm., per 10, $0 22 to.. 1 75
P-158 Jars, specimen, metal screw cap, capacity 30 to 500 cc., each, from $0 06 to..... 25
P-159 Flasks, Koch form, flat bottoms, capacity from 30 to 2000 cc., from $0 10 to..... 50
P-160 Flasks, Erlemeyer, capacity from 30 to 2000 cc., from $0 10 to..... 50
P-161 Funnel, plain, according to size, from $0 07 to..... 25
P-162 Funnels, ribbed, from $0 07 to..... 40

Do not mutilate catalogue.—Specify section letter and number in ordering.


P-163


P-165


P-164

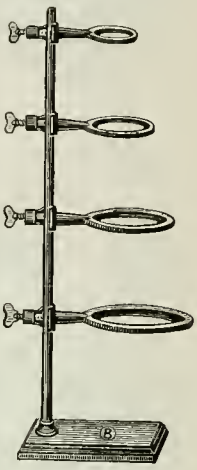

P-166


P-167


P-168



P-169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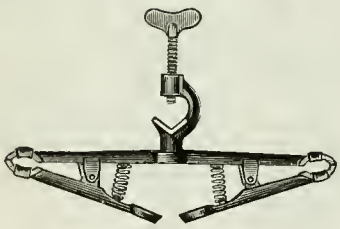
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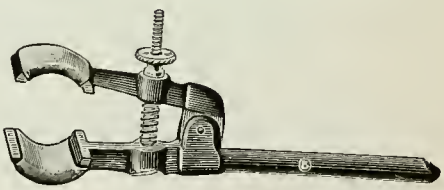
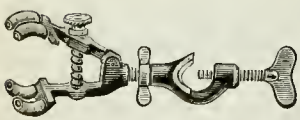

P-172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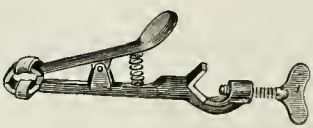
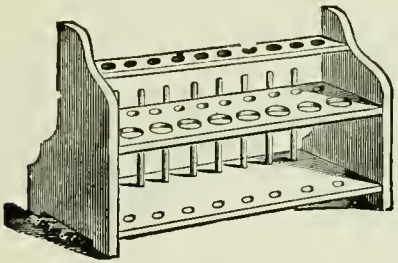

P-173


P-175

LABORATORY SUPPLIES

P-163	Cork borer, hard brass, polished, per set of 6	$1 25
P-164	Thermometer, incubator, centigrade graduation, $2 00 and	2 50
P-165	Thermometers, chemical, white back, 100° and 150°, each, $1 25 and	1 50
P-166	Burettes, Mohr's, without pinch cock or rubber connection, 25 cc., $0 65; 50 cc., $1 25; 100 cc.	1.50
P-167	Burettes, Mohr's, with glass stop cock, 25 cc., $1 25; 50 cc., $1 80; 100 cc	2 25
P-168	Pipettes, Mohr's, from 1 to 100 cc., $0 25 to	1 75
P-169	Pipettes, volumetric, capacity from 1 to 50 cc., $0 10 to	25
P-170	Support, rectangular base with three rings, $0 75; four rings	1 00
P-171	Double burette clamp	85
P-172	Burette clamp, with cork lined jaw, heavy	75
P-173	Burette clamp, with check-nut	40
P-174	Burette clamp, for larger objects	60
P-175	Clamp, iron, for attaching clamps to supports	30

Do not mutilate catalogue.—Specify section letter and number in ordering.



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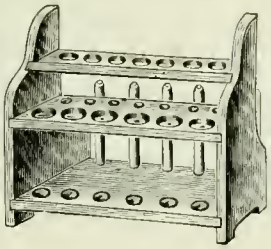

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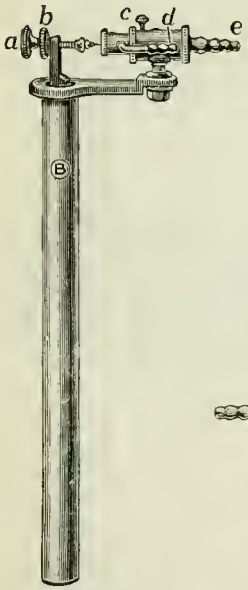

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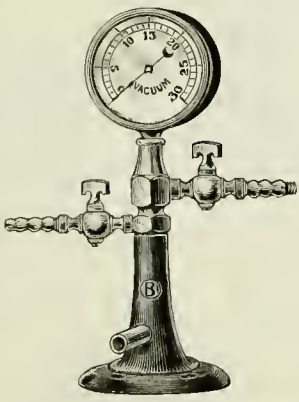

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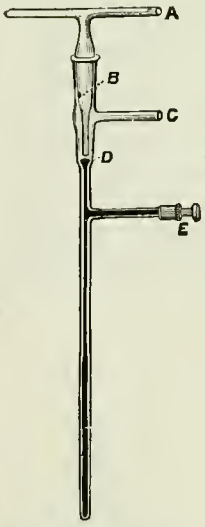

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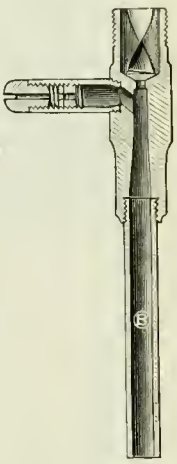

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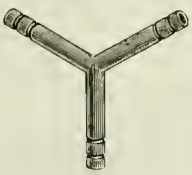
P-182



P-183



P-184



P-185

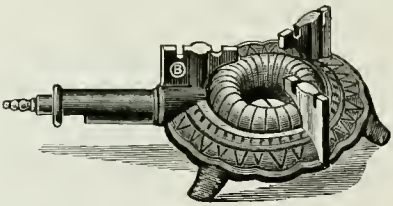
LABORATORY SUPPLIES

P-176	Test tube rack, large	$0 60
P-177	Test tube rack, small	45
P-178	Regulator, Roux's bi-metallic, small, $10 00; large	12 00
P-179	Filter pump on base with vacuum gauge and stop cocks at water and air connections	9 50
P-180	Filter pump, Chatman's, nickel-plated with either connection P-184 or P-185	2 25
P-181	Regulator, Reichert's improved	2 00
P-182	"T" connection made of brass	35
P-183	"Y" connection made of brass	35
P-184	Connection for filter pumps for large faucet	45
P-185	Connection with rubber washer to fit small faucets	45

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-186



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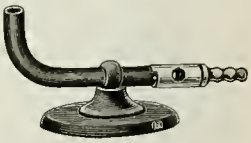

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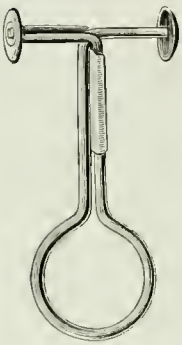

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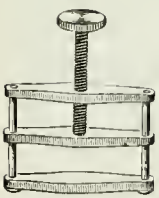

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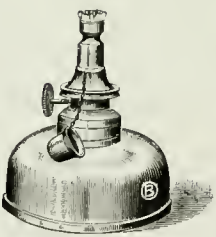


P-195



P-196



P-197

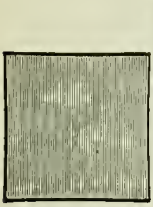


P-194

LABORATORY SUPPLIES

P-186	Bunsen burner, 2 inches high	$0 30
P-187	Bunsen burner, low form, 3 inches high	50
P-188	Bunsen burner, radial, small, 3½ inches diameter	1 80
P-189	Bunsen burner, single tube, 6 inches high	35
P-190	Bunsen burner, two tubes, 6 inches high	1 25
P-191	Clamp, Mohr's for burettes	15
P-192	Test tube holders, metal, $0 15; wood	15
P-193	Tubing clamp, screw form	20
P-194	Spatula with wooden handles, with blades from 5 to 10 inches long, from $0 25 to	75
P-195	Alcohol lamp, made of brass	45
P-196	Alcohol lamp, made of brass	45
P-197	Alcohol lamp, made of glass, small and large, $0 25 and	40

Do not mutilate catalogue.—Specify section letter and number in ordering.



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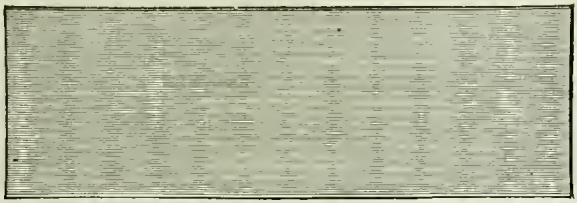

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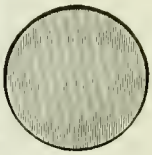

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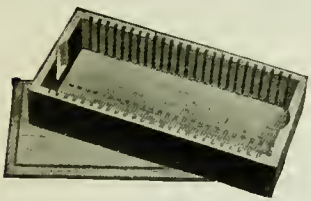
P-201



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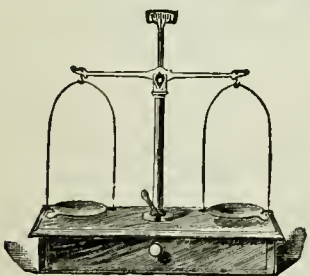

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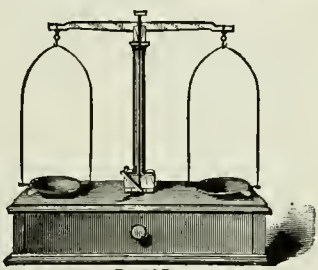

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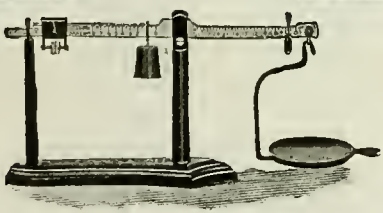


P-206

LABORATORY SUPPLIES

P-198	Cover glasses, square, No. 1, per ounce, $1 00; No. 2, per ounce	$0 90
P-199	Cover glasses, circles, No. 1, per ounce, $1 15; No. 2, per ounce	1 00
P-200	Slides, thin with ground edges, per gross	1 10
P-200A	Labels, per box	10
P-201	Slide boxes with cover overlapping, to hold 25 slides, each	12
P-202	Slide boxes, regular, to hold 25 slides, each	10
P-203	Slide boxes, grooved to hold 100 slides, cloth covered, each	50
P-204	Balance, Troemner's, on polished walnut box, a well finished and reliable scale, including weights, net	3 50
P-205	Balance, Troemner's scale has indicator pointing downward, slide attachment on needle can be quickly balanced. This is a very reliable outfit, including weights, net	8 00
P-206	Scale, Fairbank's, no loose weights required, net	4 50

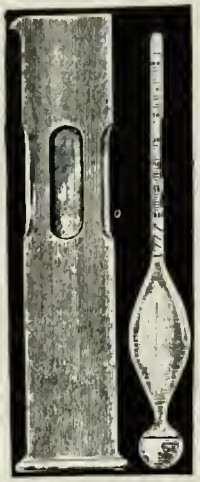
Do not mutilate catalogue.—Specify section letter and number in ordering.


P-207


P-208



P-209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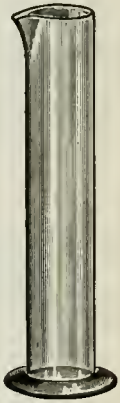
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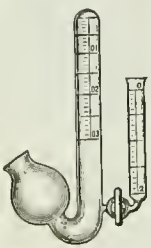
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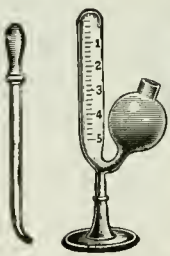

P-215









P-216


P-217


P-218



P-219


P-220


P-221


P-222

LABORATORY SUPPLIES

P-207	Test tubes, from 4 to 8 inches in length, per dozen, $0 15 to	$0 35
P-208	Urinometer, plain	30
P-209	Urinometer, V. M. & Co.'s, special, milk glass scale	75
P-210	Urinometer, Squibb's, good quality	60
P-211	Cylindrical graduate, 100 cc	25
P-212	Esbach's albuminometer, in case with foot	55
P-213	Ureometer, Doremus-Hend's, improved form with glass stop cock	2 25
P-214	Ureometer on foot, Doremus	75
P-215	Saccharometer, Einhorn's for estimation of sugar in urine	75
P-216	Saccharometer, Einhorn's improved, with two glass stoppers, test tube and mixing flasks	1 50
P-217	Bottles, flint, narrow mouth, glass stoppers, per dozen, 2-oz., $1 00; 4-oz., $1 20; 8-oz.	1 50
P-218	Bottles, flint, wide mouth, mushroom stoppers, per dozen, 2-oz., $1 25; 4-oz., $1 50; 8-oz.	1 75
P-219	Bottles, 1 gallon, narrow or salt mouth for solution racks, etc	75
P-220	Jars, specimen, 60 cc., $0 10; 120 cc., $0 15; 250 cc	20
P-221	Bottle with outlet for salt solution, irrigating or douching, 500 cc	60
P-222	Urine test glass, two sizes, $0 30 and	35

Do not mutilate catalogue.—Specify section letter and number in ordering.


P-228



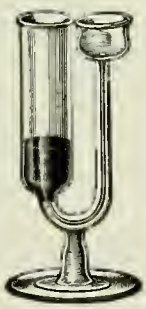
P-227


P-230



P-232


P-226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P-233


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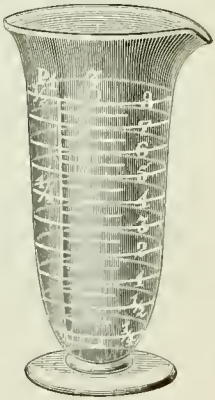

P-224

LABORATORY SUPPLIES

P-223	Minim graduate, conical, 60 minims, $0 25; 120 minims	$0 35
P-224	Graduates, cc. or ounces, from 15 cc. to 500 cc., $0 25 to	75
P-225	Albumoscope for detection of albumen with nitric acid	1 00
P-226	Bell jar, two sizes, 8x15, $1 85; 9x17	2 25
P-227	Urine test set, complete with reagents as illustrated	6 00
P-227A	Same as above, but with removal glass plate of opal glass	7 50
P-223	Pipette, ordinary, per dozen	30
P-229	Litmus Paper, 1 Book, each Red and Blue in vial	15
P-230	Test tube brush, each	05
P-231	Tripod as illustrated, $0 20; with three rings	50
P-232	Spring lancet, Boldt's	1 65
P-233	Blood lancet with reversible metal or hard rubber case	35
P-234	Pirquet's scarifier, reversible with platinum blade, $3 00; with steel blade	90
P-235	Manley's blood lance	15

Do not mutilate catalogue.—Specify section letter and number in ordering.

STAINS

P-236	Aniline Water—Gentian Violet, per ounce	$0 25
P-237	Biondi-Ehrlich-Heidenhain, 3-color mixture, per ounce	40
P-238	Bismark Brown	20
P-239	Borax Carmine	25
P-240	Carbol Fuchsin, Ziehl	25
P-241	Carbol Gentian Violet	25
P-242	Carbol Thlonin	25
P-243	Carmin Alum, Mayer's	25
P-244	Congo Red	25
P-245	Dahlia	25
P-246	Eosiu, alc. sol	25
P-247	Eosin, aq. sol	25
P-248	Ehrlich's 3-color mixture	40
P-249	Ehrlich's 3-acid stain	40
P-250	Fuchsln, Carbol	25
P-251	Fuchsln, for bac. alc. sol	20
P-252	Fuchsin, dto. aq. sol	20
P-253	Fuchsin, acid, aq. sol	20
P 254	Gabbett's Stain No. 1	25
P 255	Gabbett's Stain No. 11	25
P-256	Gentian Vlolet, Aniline Water	25
P-257	Gentian Violet, sat. alc. sol	25
P-258	Gram's Iodine Solution	25
P-259	Gen-Bac Stain, for all bacteria	35
P-260	Gonococcus stain, special	50
P-261	Haematoxylin, Delafields	25
P-262	Haematoxylin, Bohmer's	25
P-263	Haemalum, Mayer's	35
P-264	Hengstenberg Blood Staiu, special	50
P 265	Jenner Stain	40
P-266	Leishman Staiu, for blood	40
P-267	Loeffler's Methyleneblue	25
P-268	Lithium Carmine, Ortb's	25
P-269	Methyleneblue, alc sol	25
P-270	Methyleneblue, aq. sol	25
P-271	Methyleneblue, Loeffler's	25
P-272	Methyleneblue, Gabbett's	25
P-273	Methyleneblue, Polichrome, Unna's	50
P-274	Methylviolet	25
P-275	Methyleneblue, Nissl	25
P-276	Nigrosin	25
P-277	Nocht-Jenner Stain for Blood	40
P-278	Orange G. sat. sol	25
P-279	Saffranin, alc. sol	25
P-280	Toisson's Solutiou for Blood Counting	20
P-281	Turck's Solution for Blood Counting	20
P-282	Wright's Stain for Blood	45

REAGENTS

P-283	Antiformin, for T. B., per ounce	25
P-284	Congo Red, Indicator	25
P-285	Dimethylamido-azobenzole	25
P-286	Ehrlich's diazo reaction, 1	25
P-287	Ehrlich's diazo reaction, 11	25
P-288	Guenzburg's sol.	85
P 289	Methyl Orange Indicator	25
P-290	Pheuolphthalein	25
P-291	Phloroglucin	25
P-292	Tropaeolin	25

SOLUTIONS

P-293	Boas Reagent, per pound	1 20
P-294	Fehling's Solution, No. 1, per pound	1 00
P-295	Fehling's Solution, No. 2, per pound	1 00
P-296	Fehling's Solution, modified, 1 sol., per pound	1 20
P-297	Haines' Solution, per pound	1 20
P-298	Obermeyer's Reagent, per pound	1 20
P-299	Purdy's Solution for Sugar, per pound	1 20
P-300	Sol. Hypobromide, per pound	1 20
P-301	Sol. Esbach's, per pound	75
P-302	Sol. Sodium Hydroxide, normal, per pound	1 40
P-303	Sol. Sodium Hydroxide, deci-normal, per pound	1 20
P-304	Sol. Acid Hydrochloric, normal, per pound	1 40
P-305	Sol. Acid Hydrochlorlc, deci-normal, per pound	1 20
P-306	Sol. Ferric Chloride, 10%, per pound	65

CULTURE MEDIA, ETC.

P-307	Agar-Agar, shreds, per pound	$1 25
P-308	Agar-Agar, powder, per pound	2 60
P-309	Beef Extract, Armour's, per ¼ pound	1 20
P-310	Beef Extract, Armour's, per ½ pound	1 90
P-311	Beef Extract, Armour's, per pound	3 50
P-312	Celloidon, Schering's, per ounce	1 50
P-313	Gelatin, best, gold label, per pound	1 00
P-314	Paraffin, soft, per pound	30
P-315	Paraffin, hard, per pound	30
P-316	Peptone, Witte's, per 100 grams	1 20
P-317	Peptone, Witte's, per 250 grams	2 50
P-318	Peptone, Witte's, per 500 grams	4 50
P-319	Peptone, Armour's, per 500 grams	3 75
P-320	Acid Osmic, per ½ gram	1 30
P-321	Acid Osmic, per gram	2 50
P-322	Alcohol, Ethyl, 95%, per pound	45
P-323	Alcohol, Methyl, c.p., Merck's, per pound	1 25
P-324	Aniline Oil, pure, per pound	55
P-325	Canada Balsam, in Xylol, per ounce	35
P-326	Canada Balsam, in Xylol, per tube	20
P-327	Cedar Oil, for Immersion, per ounce	45

TEST PAPERS

P-328	Congo Paper, per vial	10
P-329	Litmus Paper, blue and red, per vial	15
P-330	Litmus Paper, blue or red, per book	05
P-331	Tropaeolin, paper, per vial	10
P-332	Turmeric paper, per vial	10

"SOLOID"

Microscopic stain for testing purposes.

Give excellent results and the aniline dyes used are of the highest quality.

P-334	Bismarck Brown, pure 0.1 grain, per tube	22
P-335	Borax Methylene Blue	22
P-336	Ehrlich Triple Stain	27
P-337	Eosin, pure, 0.1 gram	22
P-338	Eosin-Azur (for Giemsa staining with one solution) 0.038 gram	48
P-339	Eosin-Methylene Blue (Louis Jenner's Stain) 0.05 gram	22
P-340	Fuchsin (Basic), pure, 0.1 gram	22
P-341	Gentian Violet, pure, 0.1 gram	22
P-342	Gram's Iodine Solution, 15 cc	22
P-343	Haematoxylin (Delafield)	22
P-344	Haematoxylin, pure, 0.1 gram	22
P-345	Methyl Violet, pure, 0.1 gram	22
P-346	Methylene Blue, pure, 0.1 gram	22
P-347	Romanowsky Stain (Leishman's Powder) 0.015 gram	22
P-348	Romanowsky Stain (Wright's Modification) 0.05 gram	22
P-349	Sodium Carbonate, 0.05 gram	22
P-350	Thionin Blue, pure, 0.1 gram	22
P-351	Toison Blood Fluid	22
P-352	Methyl Alcohol, pure. For use in microscopic staining. In hermetically sealed glass phials, each containing 15 cc. (approximately ½ fluid ounce) per phial	25



P-353



P-353A



P-354



P-356A

ELECTRIC CENTRIFUGES.

P-353 Victor Electric centrifuge, with speed controlling rheostat, two sedimentation tubes with aluminum protectors, for 110-volt direct or alternating.....$30 00

P-353A Dome protector as illustrated, extra..... 7 50

If four-arm piece is wanted instead of two-arm piece, add $3 00.

P-354 Purdy Electric centrifuge for 110-volt direct or alternating current with two-arm piece.. 32 00

P-355 Four-arm piece for centrifuges illustrated on this page, with aluminum shields but no glassware 5 00

P-356 Fig. A. Tube for milk analysis..... 50

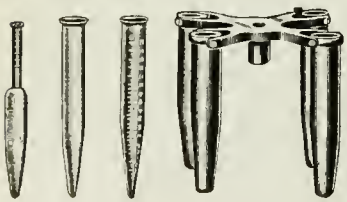
Fig. B. Plain urine tube..... 15

Fig. C. Graduated urine tube..... 50

Aluminum protection tubes..... 40

If four-arm piece is wanted for the Purdy centrifuge instead of two-arm piece, add $4 50.

P-356A Hematocrit 5 00



P-356

P-355

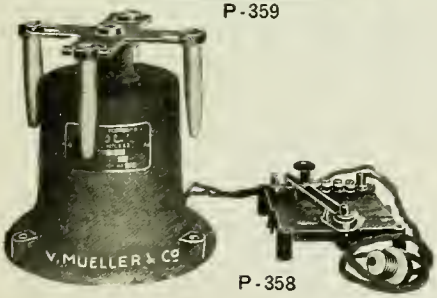
Do not mutilate catalogue.—Specify section letter and number in ordering.



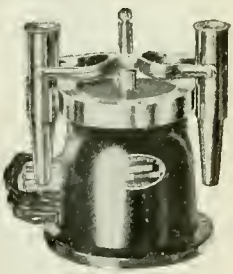
P-359



P-357



P-358



P-360

ELECTRIC CENTRIFUGES

P-357 International electric centrifuge, size 00; equipment, two tubes of 15 cc. each. One speed about 1,300 r. p. m.
For 110-volt d. c. or a. c., net.....$19 50 For 220-volt d. c. or a. c., net.. ....$22 00
Glass tubes are not included in these prices.

P-358 International Electric centrifuge, size 0; equipment, 2, 4 or 8 tubes of 15 cc. each. Variable speed by use of a rheostat, furnished with the centrifuge; maximum speed with 2-tube 15 cc. head about 1,900 r. p. m.
Size 0 centrifuge and rheostat 110-volt d. c., net, 2-tube, $28 00; 4-tube, $31 00; 8-tube 37 00
Size 0 centrifuge and rheostat 110-volt a. c., net, 2-tube, $35 00; 4-tube, $38 00; 8-tube 44 00
Extra for 220 volt 3 00
Glass tubes are not included with the above prices, see No. P-356.

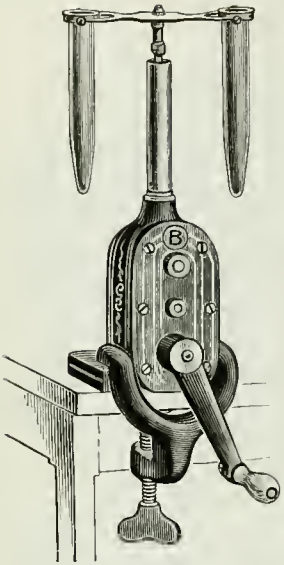
Laboratories of hospitals and medical schools, doing a considerable amount of work, will be better served by the larger centrifuge listed below.

P-359 International centrifuge, size 1; height, about 15 inches. Diameter of enclosing guards, 17 inches. Weight, about 75 pounds. Equipment, 2, 4 or 8-tube heads with 15 cc. tubes or an 8-tube head with eight 50 cc. tubes, or a Board of Health head for bacteria and sediment test of milk. For alternating current this is furnished in one type only, Type A. Maximum speed with 4-tube, 15 cc. head, about 2,400 r. p. m.; with the 8-tube, 50 cc. head, about 1,800 r. p. m.; with the Board of Health head, 3,000 r. p. m. For direct current this is furnished in two types, Type A and Type B. Maximum speed with 4-tube, 15 cc. head, Type A, is about 3,000 r. p. m.; Type B, 4,000 r. p. m. Maximum speed with 8-tube, 50 cc. head, Type A, about 2,500 r. p. m.; Type B, 3,000 r. p. m. Prices below include centrifuge motor, guard and speed control rheostat. Equipment extra.

Size 1, Type A, 110-volt d. c., net.....$46 00
Size 1, Type A, 110-volt a. c., net..... 52 00
Size 1, Type B, 110-volt d. c., net..... 68 00
Extra for 220-volt current 4 00
2-tube, 15 cc. head and metal tubes, net.... 3 00
4-tube, 15 cc. head and metal tubes, A, net. 6 00
4-tube, 15 cc. head and metal tubes, B, net 10 00
8-tube, 15 cc. head and metal tubes, net.$12 00
8-tube, 50 cc. head and metal tubes, net. 16 80
Board of Health head and tubes..... 13 00
Hematocrit 5 00
15 cc., plain tubes, $0 15; graduated..... 50
50 cc., plain tubes 20

P-360 Sbelton improved electric centrifuge. For direct or alternating current. Put up in case 27 00
Daland's hematocrit, extra 4 00

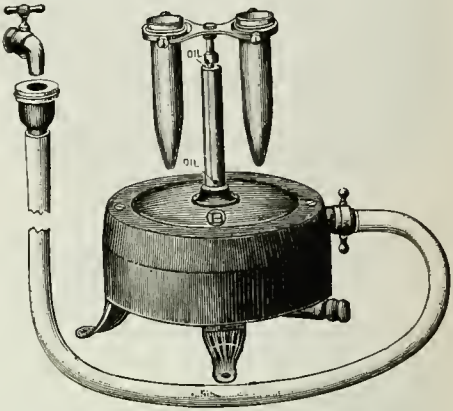
Do not mutilate catalogue.—Specify section letter and number in ordering.



P-362



P-366



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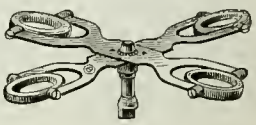

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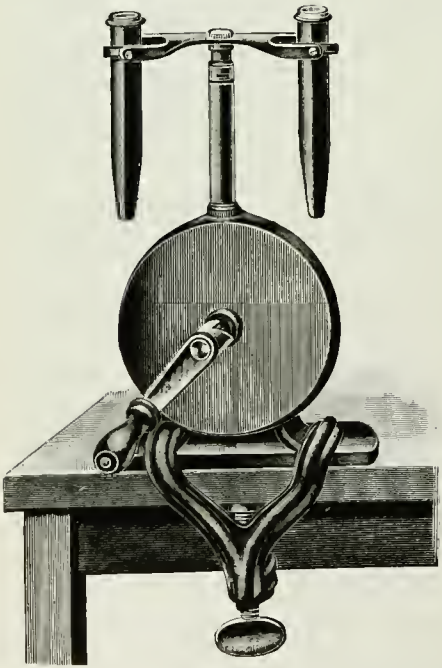
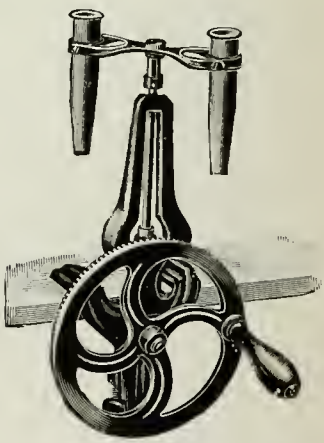


P-363



P-364

CENTRIFUGES

P-361 Water motor centrifuge is absolutely noiseless, contact parts cannot become rusted $10 00

P-362 Bockel hand centrifuge is made of the highest grade material and best workmanship, smooth and easy running 9 50

P-363 V. Mueller & Co.'s hand centrifuge for the examination of blood and urine. The gears are all enclosed in dust proof case 9 00

P-364 V. Mueller & Co.'s hand centrifuge No. 2, complete 6 50

P-365 Four-arm piece for any of the above centrifuges, instead of two-arm piece, extra 3 00

P-366 Hematocrit for any centrifuge 5 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



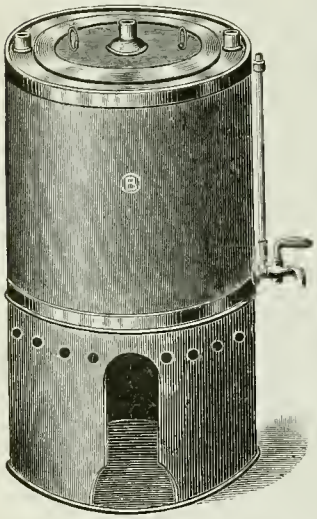
P-367

P-367 Physicians' microscopic table. This is a convenient general table for the nurse for the conveyance of clinical charts, hypodermic syringes, and other sundry articles. A handsome white enameled table, with milk-white glass top, 3 glass lined drawers, having white beveled glass fronts. The table is arched in the front to permit one to sit close. Many of these tables are used by physicians in microscopic work. Size of top, 30x18 inches $20 00
Same as above without drawers 12 00



P-368

P-368 V. M. & Co.'s chemical, analysis and microscopic table. This table is made entirely of iron, with glass top and 2 glass shelves. It is furnished with oxidized clips holding 12 2-ounce and 6 4-ounce glass stoppered bottles; also clips for test tubes, etc. The burette holder is fastened securely on the side. It is arched in the front. Size of top, 30x18 inches, complete $35 00



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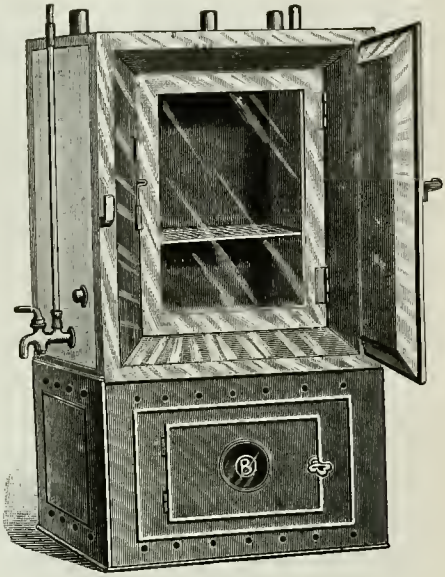

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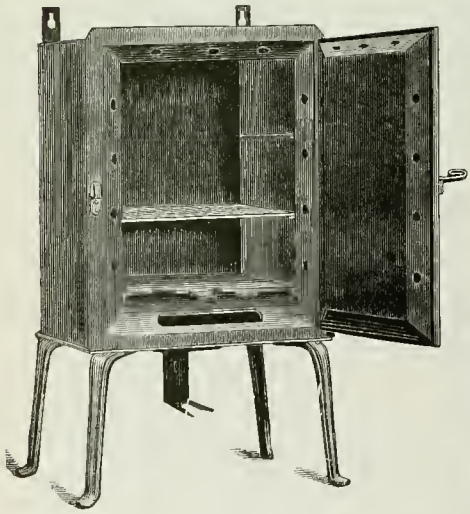
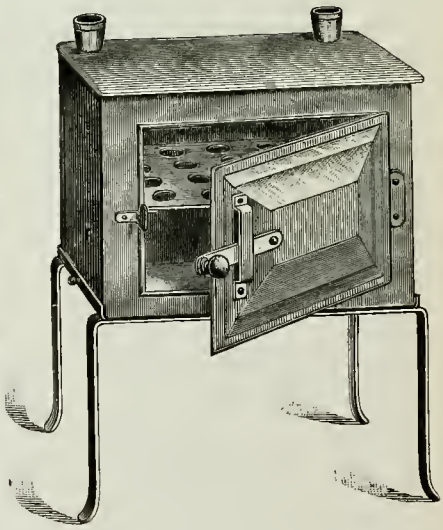


P-371



P-372

LABORATORY APPARATUS

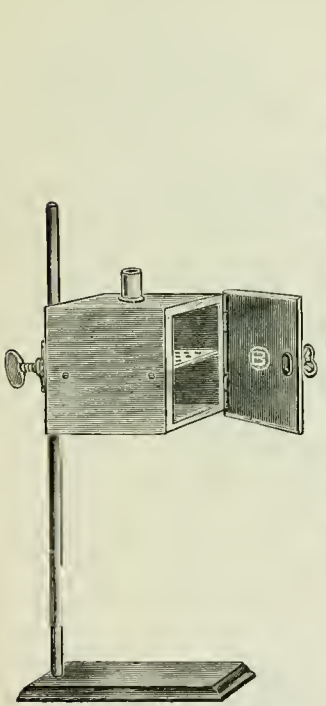
P-369 Incubator, physicians' type, inside dimensions, 8x9.....$15 00

P-370 Incubator for laboratory, inside dimensions of No. 1, 9x7, $35 00; 12x9, $50 00; 14x14 ..... 72 00

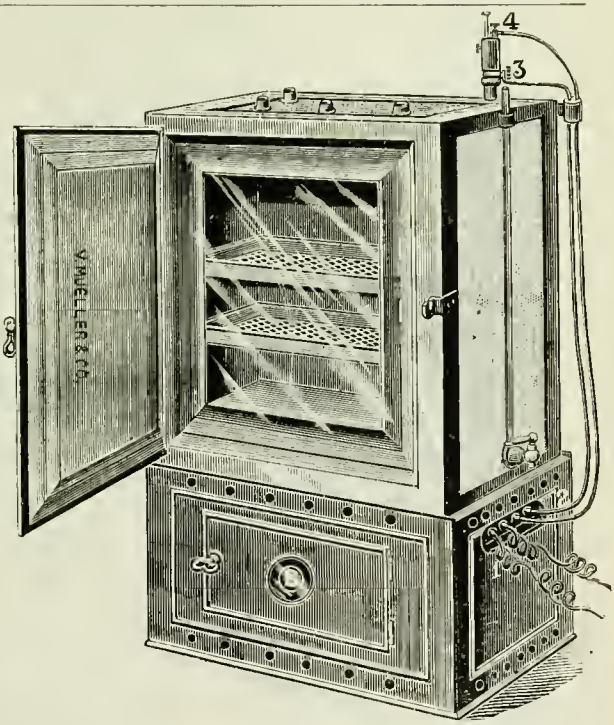
P-371 Hot air sterilizer, physicians' 12x9x9..... 17 00

P-372 Drying oven, double wall, polished copper, No. 1, 6x6, $7 50; No. 2, 8x10, $9 50; No. 3, 10x12, two shelves..... 13 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-374A



P-373

LABORATORY APPARATUS

P-373 Electric or gas incubator. The cut above shows the incubator with the electric equipment. State whether direct or alternating current, 110 or 220-volt. Inside dimensions, 20x18x10, gas, $120 00; electric, $170 00; 19x12x10, gas, $90 00; electric.....$140 00

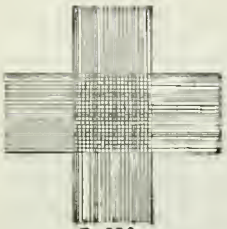
P-374 The Castle electric incubator. No auxiliary devices of any kind are needed for these incubators, as they are run directly on the lighting circuit, and either alternating or direct current may be used. There are no exposed terminals. To operate, it is only necessary to screw the plug into a lamp socket and switch on the current. Inside dimensions, 9½x6½x6⅜, $80 00; 19x12x9½.....120 00

These incubators are made in 8 sizes, ask for quotations on larger sizes.

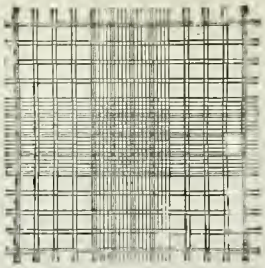
P-374A Haematological drying oven, specially designed for blood work, made of copper, 4x4x4, and is adjustable on stand..... 5 00



P-374



P-376



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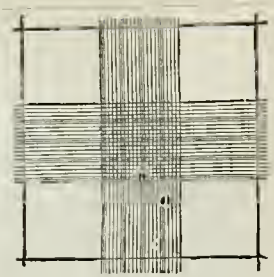

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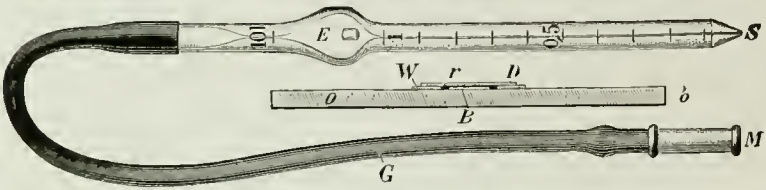
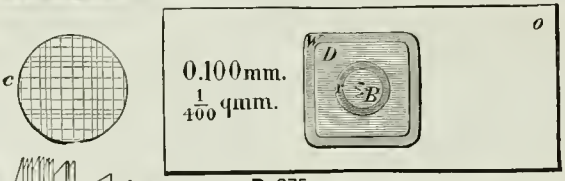
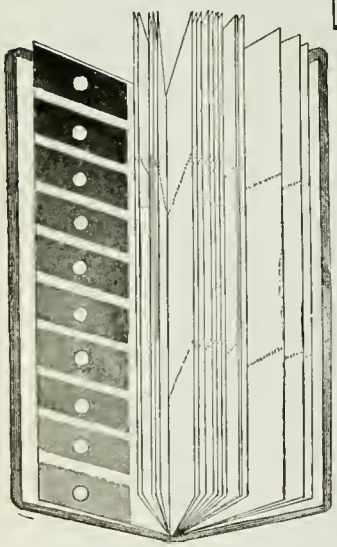




P-375



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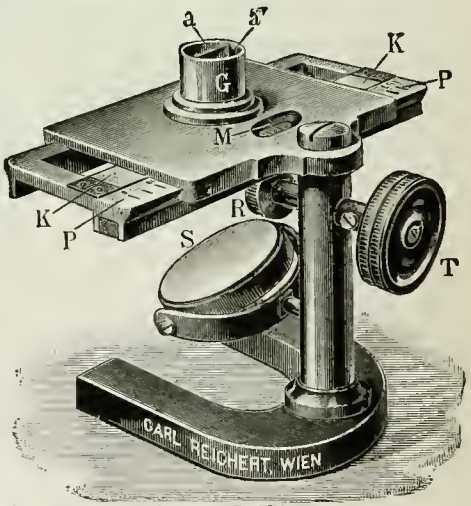


P-379

HAEMACYTOMETERS

P-375 Haemacytometer complete with Thoma counting chamber and extra cover glasses, 2 pipettes, (red and white) in morocco case, net $10 00

P-375A Haemacytometer complete with Turck counting chamber, cover glasses, 2 mixing pipettes (red and white), in morocco case, net 11 60

P-376 Thoma counting chamber, with cover glass, net 4 80

P-377 Turck counting chamber, with cover glass, net 6 40

P-378 Zappert-Ewing counting chamber with cover glass, net 4 80

A Cover glass for the same, ground plano-parallel, of 0.3 to 0.6 millimeter thickness, each, net 20

B Morocco case for counting chambers, net 40

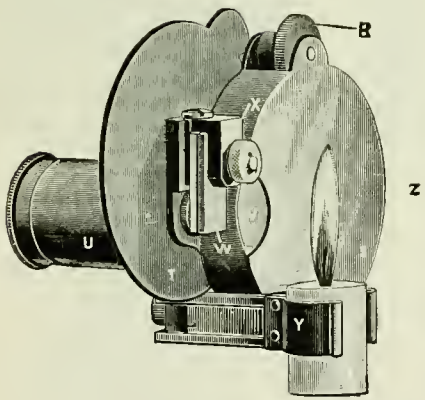
C Thoma mixing pipette for red corpuscles, diluting 1-100 with rubber tube and mouth piece, net 1 60

D Thoma mixing pipette for white corpuscles, diluting 1-10, net 1 60

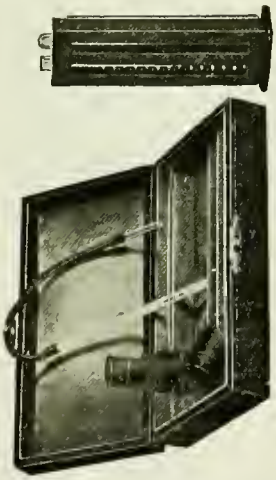
P-379 Haemometer, Von Fleischl's, complete in case, net 25 00

P-380 Haemaglobinometer, Talquist's, consists of 50 pages of strips of absorbent paper with scale attached showing tints of haemoglobin from 10 per cent and 100 per cent, bound in book form, net 1 50

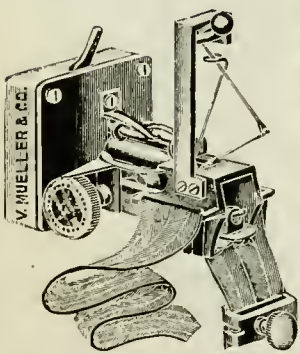
Do not mutilate catalogue.—Specify section letter and number in ordering.



P-381



P-382



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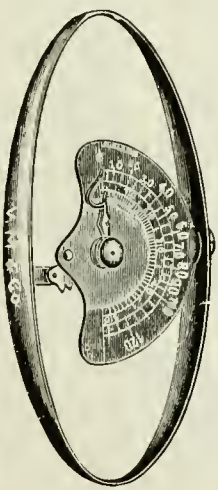

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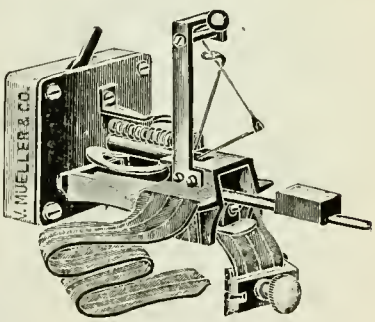


P-384

HAEMOGLOBINOMETERS, SPHYGMOGRAPHS, ETC.

P-381 Haemoglobinometer, Dare's deals with the undiluted blood which is drawn by capillarity into a very thin chamber of definite thickness and which is compared with a colored prism by modified light from a candle, net..... $25 00

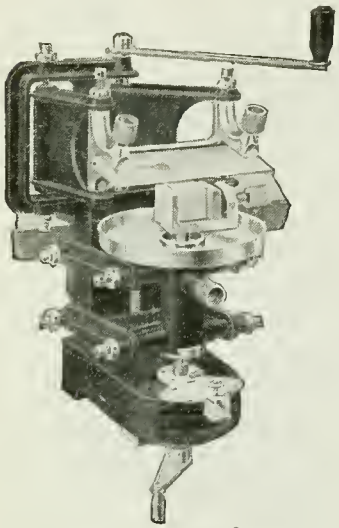
P-382 Haemoglobinometer, Sahli, latest modification for using either day or night, net.. 7 00

P-383 Sphygmograph, Dudgeon's net 21 00

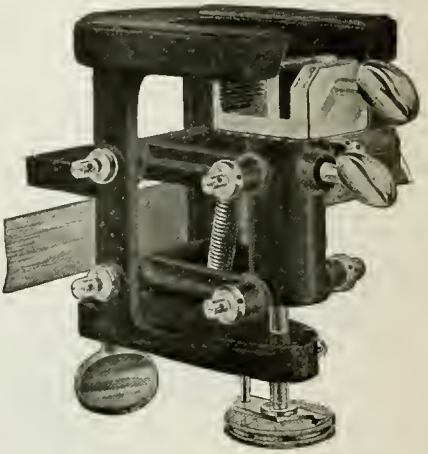
P-384 Sphygmograph, Richardson's, net 25 00

P-385 Dynamometer, Collin's 6 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-386
P-386A



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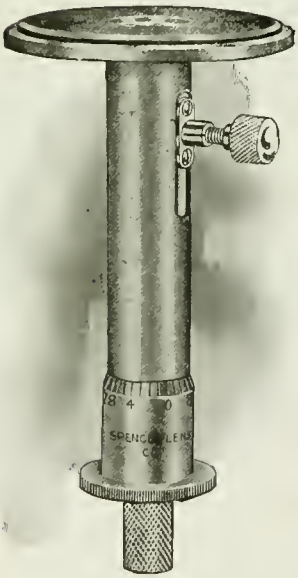


P-388



P-389

MICROTOMES

P-386 Automatic laboratory microtome, Spencer's, complete with one knife and usual object clamp for paraffine or celloidin, in packing case, net.....$45 00

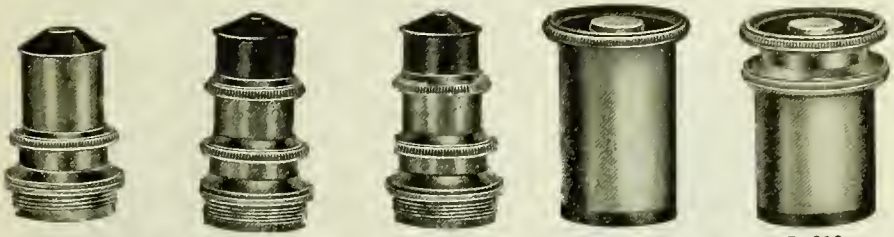
P-386A Usual object clamp for paraffine or celloidin if ordered separately, net..... 2 50

P-387 Table microtome, either freezing attachment may be substituted for the usual object clamp whenever desired, as shown, net..... 12 50

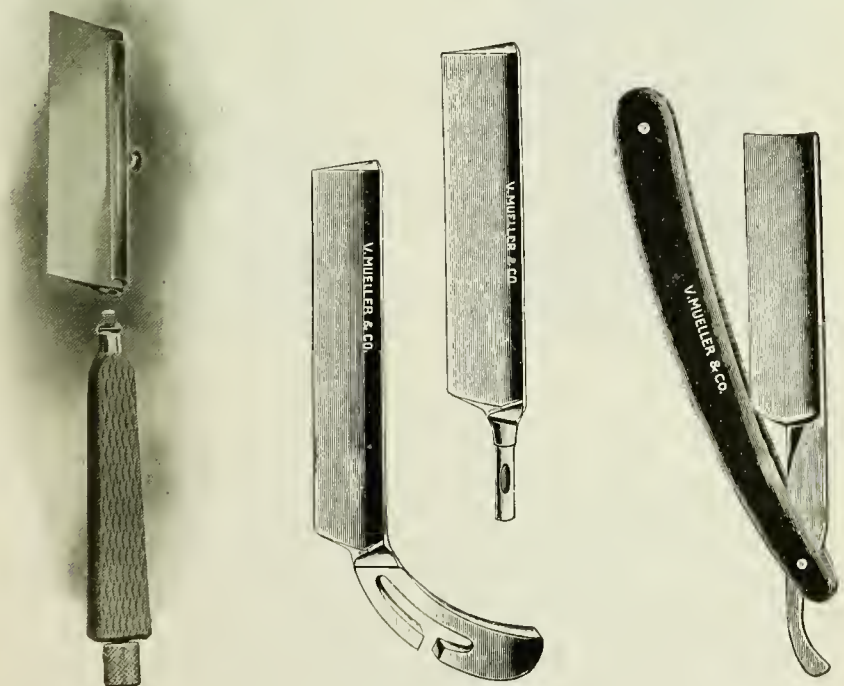
P-388 Hand microtome. The plate at the top over which the knife is drawn is 3 inches in diameter, making a firm support for the knife, net..... 6 00

P-389 New ether freezer, suggested by Dr. E. C. Mann of Buffalo, N. Y. It will freeze tissue 15 mm. in diameter, and 3 mm. thick in one minute, using only 5 cc. of ether, net 6 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



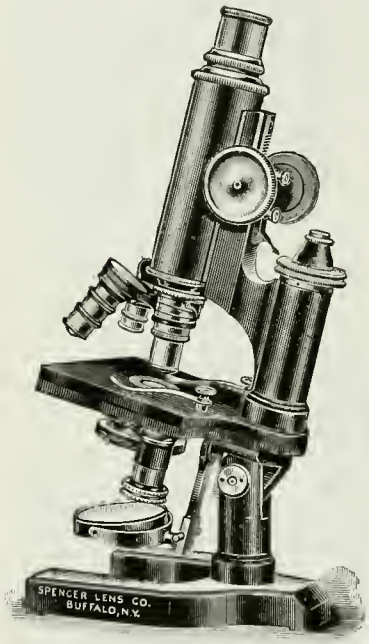
P-394 P-395 P-396 P-397 P-398



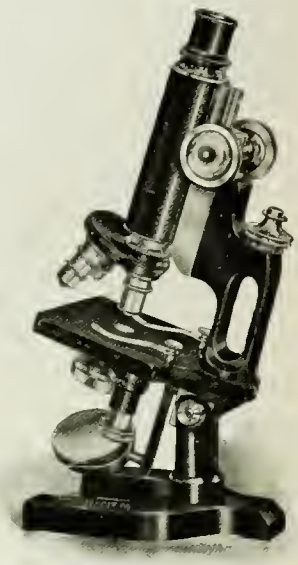
P-390 P-391 P-392 P-393

P-390	Microtome knife, blade 110 mm. long, $4 00; 185 mm. long, $7 00; 250 mm. long	$12 00
	Handle for sharpening, extra	1 00
	Back for sharpening, extra	50
P-391	Microtome knife, with curved shank, according to length of blade, from $5 00 to	12 00
P-392	Microtome knife, regular, according to length of blade, from $4 50 to	11 00
P-393	Section razor, made of the best quality of steel, with folding hard rubber handle	1 50
P-394	Objective, achromatic, 16 mm., net	5 00
P-395	Objective, achromatic, 4 mm., net	8 00
P-396	Objective, 2 mm., oil immersion, net	27 50
P-397	Huyghenian eyepiece, net	1 50
P-398	Micrometer eyepiece, 4x or 8x, each	5 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-399



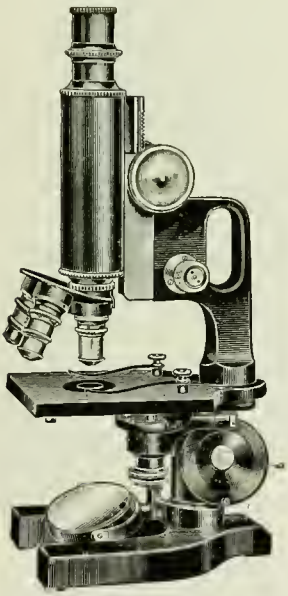
P-400

MICROSCOPES

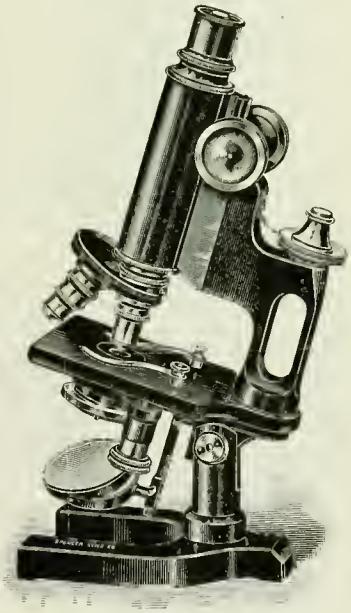
P-399 Spencer Microscope No. 46. This instrument is built with the same care and precision as the higher priced microscopes. It is slightly smaller than the exceptionally large instruments, but is as large as any microscopes of other makes selling for a like amount, and has additional advantages that the fine adjustment bearings are automatically lubricated; that the fine adjustment ceases to work when the objective rests on the cover, and that the fine adjustment is so protected that no harm can come to the threads when the instrument is carried by the arm. All lenses of highest grade. Complete in mahogany cabinet, with two eyepieces, triple nose-piece, with 16 mm., 4 mm. and 1.8 mm. objectives parfocalized thereon and condenser and iris diaphragm, net.....$75 00

P-400 Spencer Microscope No. 66 with quick screw substage. This microscope is like No. 36, except that it is smaller and that it differs in some minor details. Withal it is by far the best instrument ever put on the market for the price. The stage is like that on No. 46. The fine adjustment screw is protected, the fine adjustment bearings are automatically lubricated and the fine adjustment will not work if the objective is brought into contact with the cover glass. It is a handsomely finished and well proportioned instrument and very durable. Complete in mahogany cabinet, with two eyepieces, 16 mm., 4 mm. and 1.8 mm. oil immersion, objectives parfocalized on triple nose-piece and with condenser and iris diaphragm, net 70 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-401



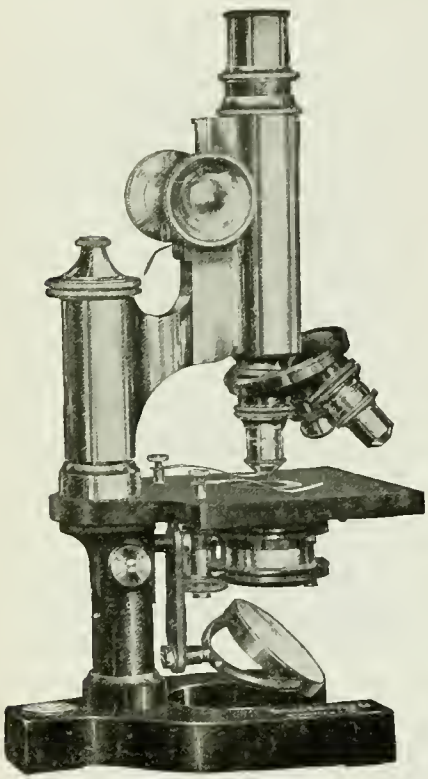
P-402

MICROSCOPES

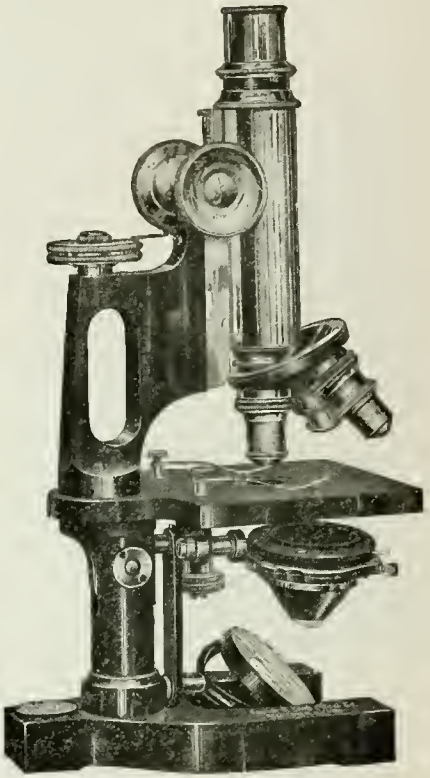
P-401 Spencer Microscope No. 20. Although necessarily slightly more expensive than instruments of other types, the microscope with the side fine adjustment is recognized as the most convenient style yet produced. No. 20 is far superior to anything in its class, because of the accuracy and durability of its fine adjustment, its exceptionally large vulcanite covered stage—giving a free distance of 68 mm. (2½ inches from the center of the stage to the base of the arm—and its unequalled drop-swing mounting for the sub-stage condenser. The lenses on this microscope as on all Spencer instruments are superior to anything on the market. Complete in mahogany cabinet, with two eyepieces, triple nose-piece, 16 mm., 4 mm and 1.8 mm. oil immersion objectives, condenser and iris diaphragm, net....$95 00

P-402 Spencer Microscope No. 36. This instrument out-ranks by far anything of its type because of the size of its stage (the same size as that of No. 20, its automatically lubricated fine adjustment bearings, the fact that the fine adjustment will not work when the objective comes into contact with the cover glass, and in general beauty of outline and finish. This new type is winning a well deserved popularity. It is durable and convenient. The instrument is guaranteed both optically and mechanically. The lenses are carefully parfocalized and centered on the nose-piece, as is the case with all Spencer microscopes. They are also guaranteed to give satisfaction. Complete in mahogany cabinet with two eyepieces, triple nose-piece, 16 mm., 4 mm. and 1.8 mm. objective, condenser and iris diaphragm, net 80 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-403



P-404

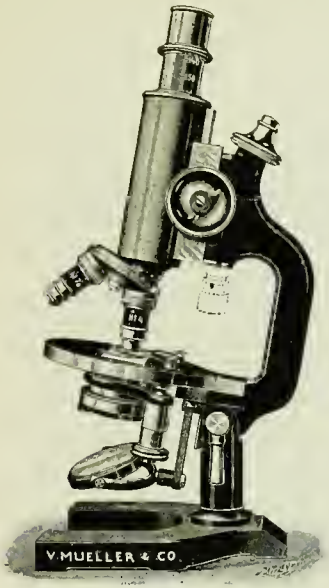
MICROSCOPES

P-403 Bausch & Lomb BB microscope. Prism fine adjustment with micrometer head graduated into 100 divisions, each having a value of .005 mm. Stage 114x96 mm. Distance from base of arm to center of stage 55 mm., permitting with ease the use of 100 mm. Petri dishes. Completely covered with vulcanized rubber, top, bottom and edges. Iris diaphragm in plane of stage. Screw substage with upper iris diaphragm, and, when supplied with Abbe condenser, lower iris diaphragm also. Accessories as follows can be used; Attachable mechanical stage, dark ground illuminator, polarizing apparatus, Camera lucida, measuring devices, achromatic condensers. BBS, 16 mm., 4 mm., 1.9 mm. oil immersion, net $75 00

P-403A With swingout condenser, net 80 00

P-404 Bausch & Lomb BHS microscope. Handle arm entirely enclosing the fine adjustment mechanism and protecting it from dust. Lever fine adjustment securing the highest degree of sensitiveness and uniformity of motion. When the object comes into contact with the glass slide the adjustment mechanism ceases to operate. Stage 95x84 mm., having a distance of 48 mm. from base of arm to center. Completely covered with vulcanized rubber, top, bottom and edges. Iris diaphragm in stage. Screw sub-stage adjustable by quick-acting screw and carrying the Abbe condenser and lower iris diaphragm. The condenser is swung to the left of the optical axis when the screw reaches limit of motion. Accessories as follows can be used: Attachable mechanical stage, camera lucida, measuring devices. BHS, 16 mm., 4 mm., 1.9 mm. oil immersion, net 70 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



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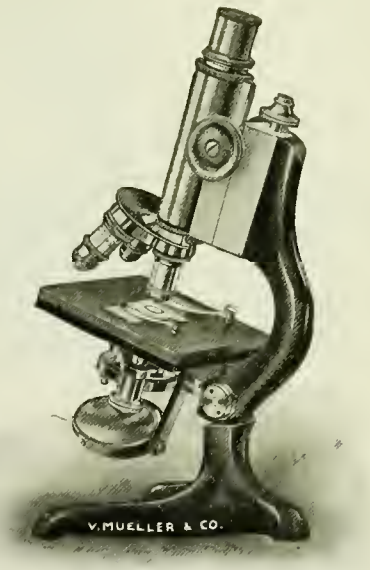

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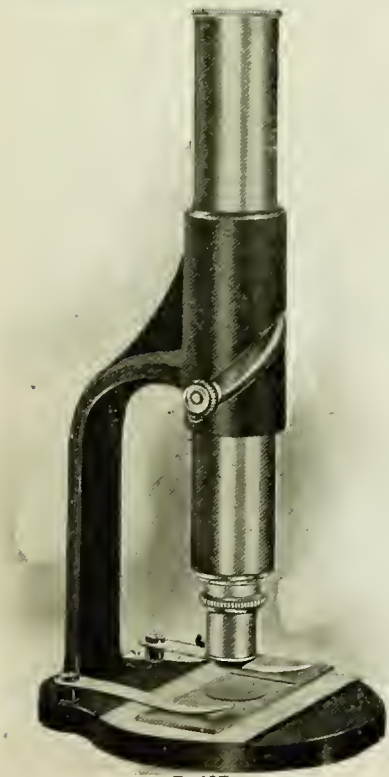


P-407

MICROSCOPES

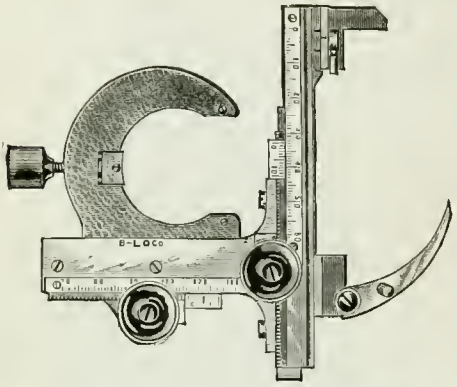
P-405 Reichert microscope, type C10 with handle, complete with Abbe condenser, iris diaphragm objectives, 3, 7a and 1-12 oil immersion, semi-apochromatic, eyepieces 2 and 4 and dust-proof triple nose-piece.....$110 00

P-406 Leitz microscope with stand 11 0, 4, is provided with a place for handling entirely independent of all adjustments. It has an extraordinarily large stage and a safety device for the coarse and fine adjustment to prevent crushing of specimen and damage of objectives. Equipment, 3 objectives, 16 mm., 4 mm. and 1-12 oil immersion (1.8 mm.) Eyepieces 2 and 4, triple nose-piece, iris diaphragm, Abbe condenser, net..... 90 00

P-407 Spencer demonstration microscope is made of aluminum with the exception of the tube and is therefore very light. The slide is placed upon the stage as in any other microscope, and there is no danger of disturbing the cover glass. With eyepiece but no objective, net..... 6 00

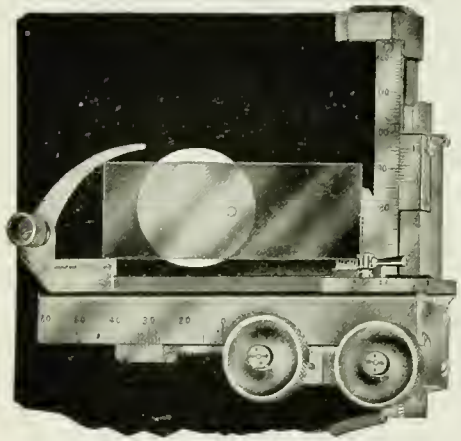
With 16 m. objective..... 10 00

MECHANICAL STAGES



P-408

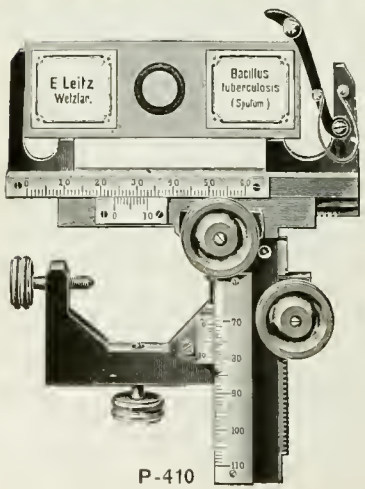
P-408 Bausch & Lomb attachable mechanical stage. This stage affords a very convenient method of mechanically manipulating slides while under examination. It permits one to move them in any direction, to search systematically the entire slide, and to record accurately the location of any field. It is especially valuable when using the haemacytometer in blood counting. The two rack and pinion movements are accurate, positive and durable, showing no appreciable wear after long use. It can be readily attached to any of our stands, net.....$17 00



P-409

P-409 The Spencer mechanical stage On account of its adjustability this is the only mechanical stage which can be used to greatest advantage on the new Spencer microscope (Nos. 20, 30 and 40) with the great distance from the optical axis to the base of the arm. When so used it has a forward and backward excursion of 38 mm. and a lateral excursion of 60 mm. greater than that of any other stage. The slide is held so far away from the working parts of the stage that its inner edge may be reached with any objective made. There are no projecting parts to hit the objective when revolved in the nosepiece. In case, with centering slide, net..... 20 00

Without centering slide, net..... 18 00



P-410

P-410 Leitz mechanical stage with forward and lateral movements by rack and pinion, net..... 20 00

The object carrier of these mechanical stages can be removed by sliding the same out, leaving the stationary part screwed to the instrument. The microscope stage is then entirely free for other work.

P-410A Leitz mechanical stage can be attached to any large or medium size continental microscope; by a clamping device for adjusting it around the pillar of the microscope, by means of which any one can readily fit it to the stand, net 28 00

DARK FIELD CONDENSORS, ETC.

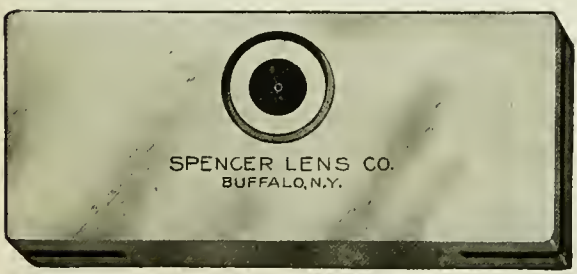


P-411

P-411 Spencer electric arc lamp is specially designed for the dark field illuminator No. P-412, and also serves most excellently as a lamp for general microscopic illumination, with 5-foot connecting cord, blue glass and ground glass, net $15 00

P-411A Fixed rheostat for 110-volt 5 amperes..... 6 00

P-412 Spencer dark field illuminator. The concentration of this illuminator is such that it can be used on any microscope. In case, including special diaphragm, net..... 10 00



P-412

P-413 New Reichert dark field condenser. Contrary to former types of dark field condensers, this new model, which is placed on top of the microscope stage, has the advantage that it can be used on any kind or style of microscope, with or without Abbe condenser, net, type A, as illustrated 9 00

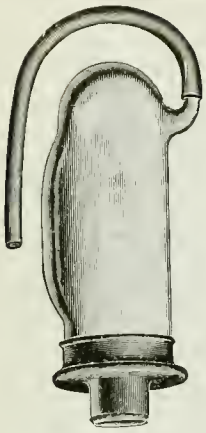
Condenser B, mounted on metal plate, can be fastened on the microscope stage with spring clips, net..... 16 00

Condenser C is provided with a revolving disc which contains three different sized diaphragms and two glass discs, net..... 32 50

For illustration and full description of these condensers, ask for circular.



P-413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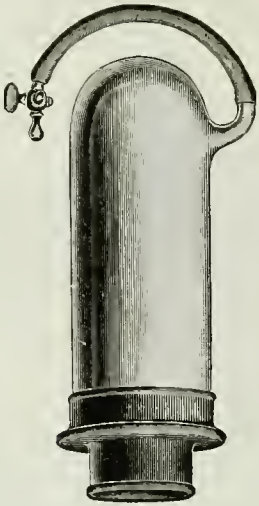
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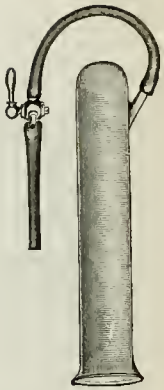
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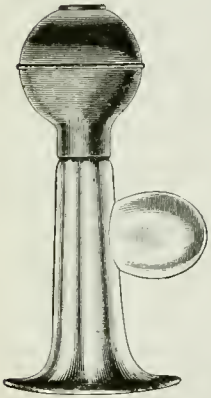
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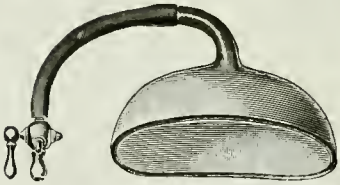
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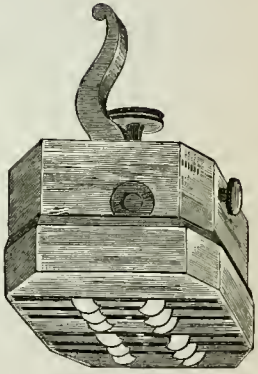
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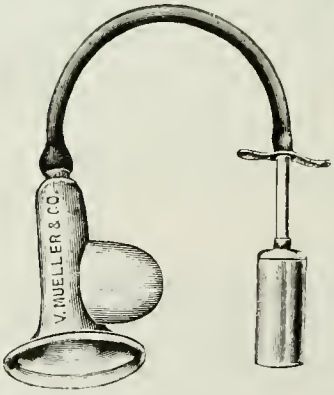
P-420



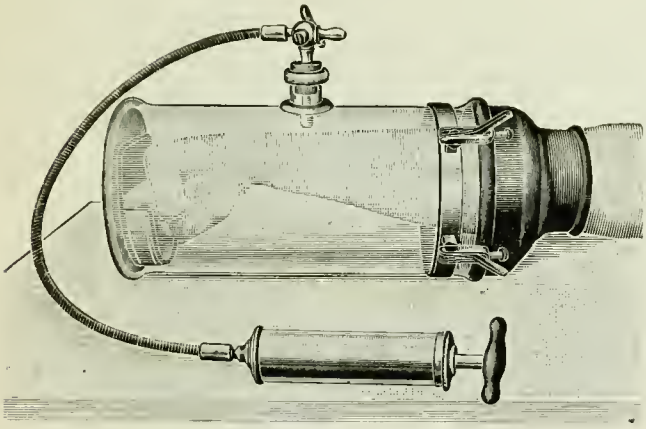
P-422


P-421

HYPEREMIA AND CUPPING APPARATUS, SCARIFICATORS

P-414	Scarificator, reversible, with 12 blades	$4 00
P-415	Bier's suction cup for panaris, (finger or toe) with tubing and 3-way stop-cock	2 15
P-416	Bier's suction cup for gonorrhoea, with tubing and 3-way stop-cock	2 65
P-417	Bier's suction cup for portio vaginalis, with tubing and 3-way stop-cock	2 00
P-418	Bier's suction cup for the trunk, oval shape, with concave rim. With tubing and 3-way stop-cock, 2x4 in., $2 75; 2½x5 in., $3 25; 4x6 in	3 75
P-419	Breast pump with rubber bulb	40
P-420	Rubber bulb cupper, sizes ¾-inch to 1¾-inch, each	35
P-420A	Plain glass cuppers	15
P-421	Bier's suction cup for furuncle on the lips, two sizes, each	65
P-422	Breast pump with metal pump instead of rubber bulb	1 35

Do not mutilate catalogue.—Specify section letter and number in ordering.



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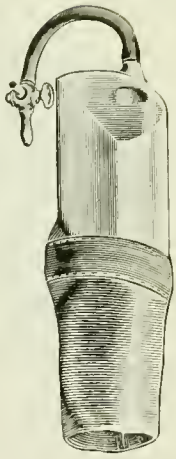

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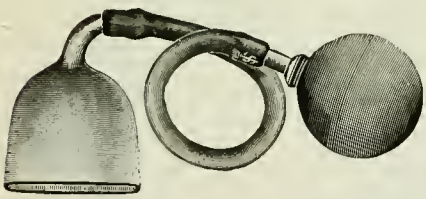

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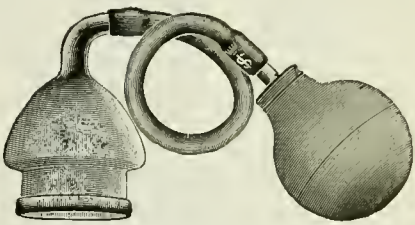

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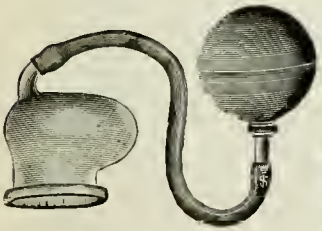

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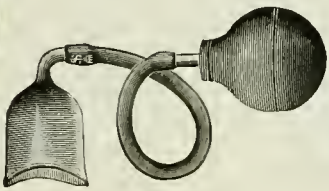

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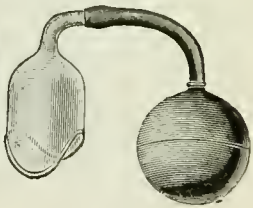


P-424

HYPEREMIA APPARATUS—Continued

P-423 Bier suction cup for high furuncle, ¾-inch, $1 40; 1¼-inch, $1 60; 1½-inch..... $1 80

P-424 Bier suction cup for the socket of the eye, oval..... 1 75

P-425 Bier suction cup for multiple furuncle, ¾x2 inches, $1 75; 1x2⅜ inches, $2 25; 1⅜x2⅜ inches 2 75

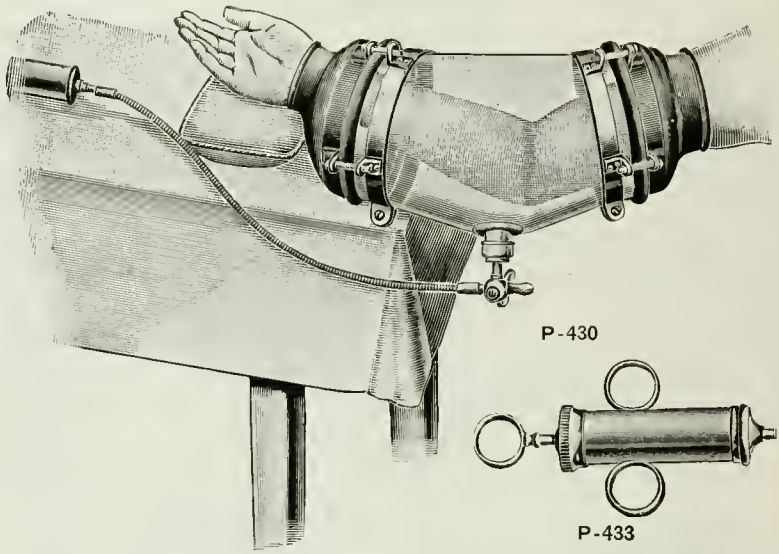
P-426 Bier suction cup for furuncle, 1-inch, $1 35; 1½-inch..... 1 75

P-427 Bier's suction cup for furuncle, 1½-inch, $2 35; 1¾-inch..... 2 65

P-428 Bier's suction cup for the hand, with inelastic cuff, tubing and 3-way stop cock, carried in stock, medium size for adult..... 6 00

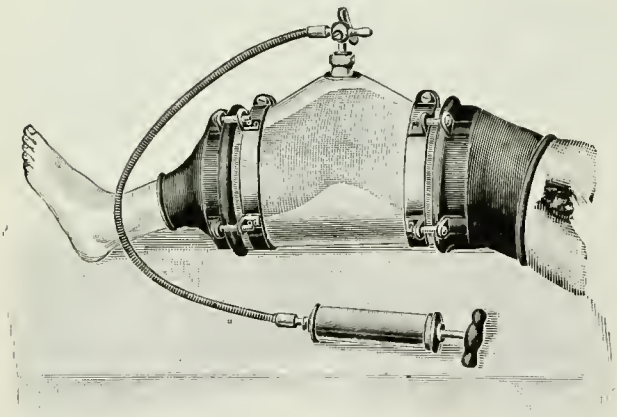
P-429 Bier's suction apparatus for the hand with valve exhaust pump No. P-432. Consisting of a strong glass tube with low support, one strong rubber cuff with funnel and double metal rings, rubber stopper and stop cock, without pump, $36 00; with pump..... 40 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-430

P-433



P-431



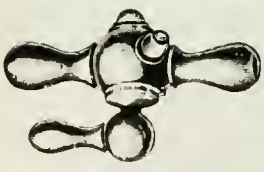
P-432

HYPEREMIA APPARATUS—Continued

P-430 Bier's suction apparatus for the elbow, consisting of a strong glass tube with support, two rubber cuffs with broad funnels and double metal ring, without pump or flexible metal tubing.....$48 00

P-431 Bier's suction apparatus for the knee, consisting of strong glass tube with support, two strong rubber cuffs with broad funnels and double metal rings, without pump or flexible metal tubing..... 66 00

For more extensive apparatus of this type, ask for special catalogue.



P-433A

P-432 Metal suction pump, medium size, $3 25; large size.. 4 00

P-433 Suction pump, small, with three rings and spring.. 2 50

P-433A Bier's stop cock 1 25

Do not mutilate catalogue.—Specify section letter and number in ordering.



No. 5
1¾ inch
75c



No. 6
1½ inch
75c



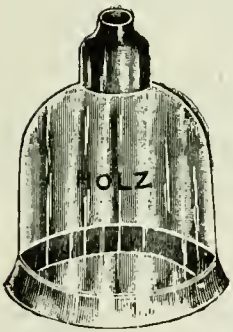
No. 7
1¼ inch
75c



No. 8
1 inch
75c



No. 9
¾ inch
75c



No. 2
5x 5½
$1.00



No. 3
3½ x 4
$1.00

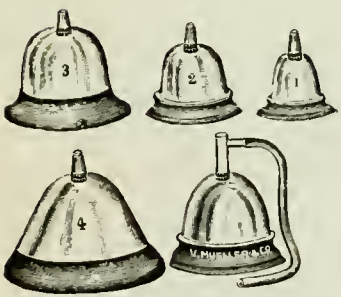


No. 4
2 inch
75c



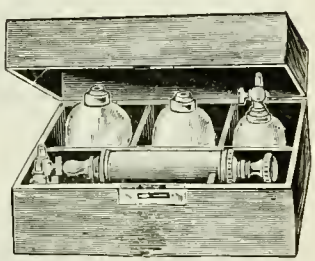
No. 0, $1.50

P-436



P-434





P-435

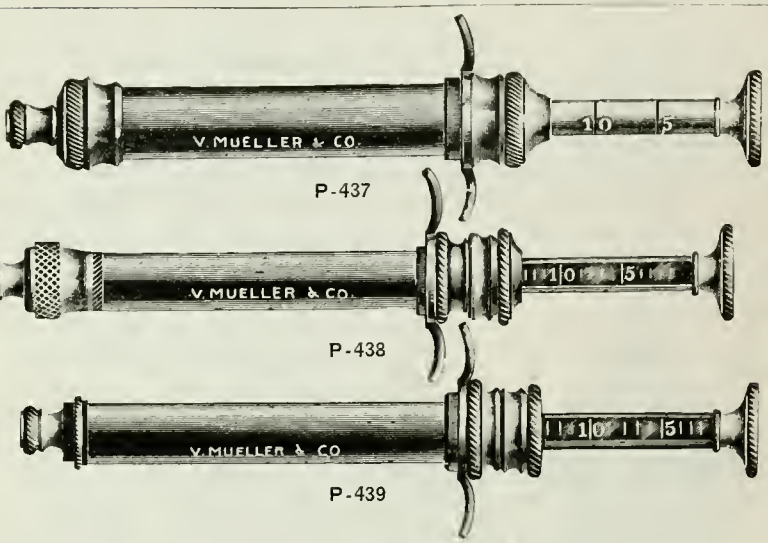
CUPPING APPARATUS

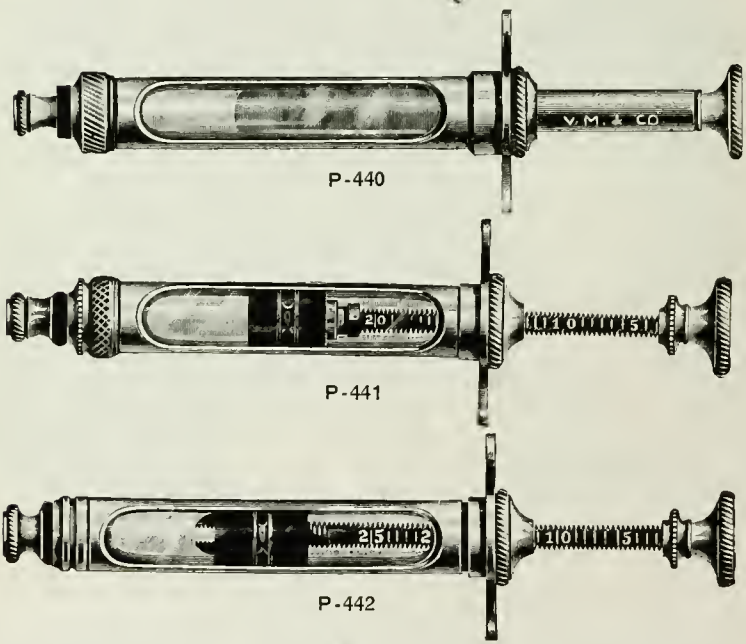
P-434 Parker's cupping outfit, consisting of four metal cups with rubber rims, No. 1. $2 50; No. 2, $2 75; No. 3, $3 00; No 4 ..... $3 75
Connecting elbow 60
Extra heavy tubing, per foot 20
Rubber rims only, from $0 75 to 2 00
Parker's cupping pump 4 00

P-435 V. M. & Co.'s cupping outfit with three glass cups and metal connections. Metal pump and stop cocks 5 50

P-436 Holz' universal vacuum apparatus, for Bier's method of induction of artificial hyperemia in the treatment of inflammatory diseases. Eight sizes of cups can be furnished from ¾ inch in diameter to 5x5½ inches, from $0 75 to 1 00
Pump 1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.





HYPODERMIC SYRINGES

P-437 V. M. & Co.'s hypodermic syringe, all metal with expanding pistou. This is the most carefully made hypodermic syringe on the market. Syringe only, without needles or case $1 25

P-438 Hypodermic syringe, all metal, with expanding piston, good quality, without needles or case 1 00

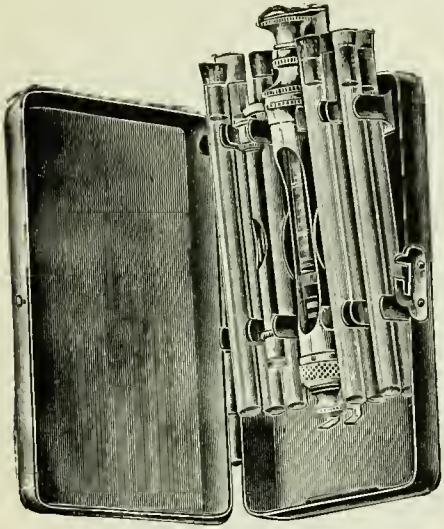
P-439 Hypodermic syringe, all metal, non-expanding piston, regular, without needles or case 75

P-440 Hypodermic syringe, glass barrel, metal piston, without needles or case..... 75

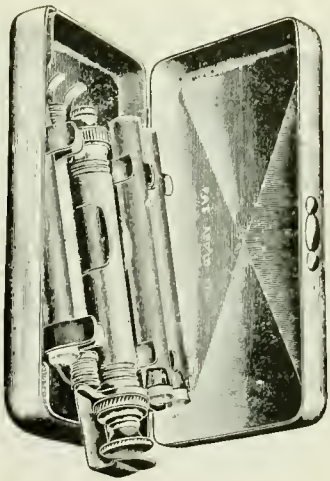
P-441 Hypodermic syringe, glass barrel, leather plunger, regular, without needles or case 60

P-442 Hypodermic syringe, glass barrel and leather expanding plunger..... 75

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-444



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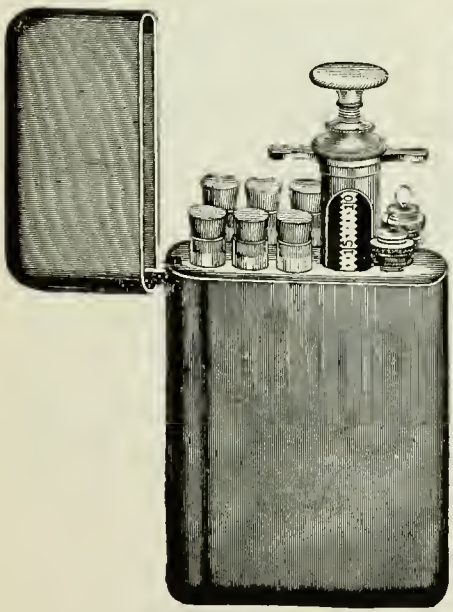
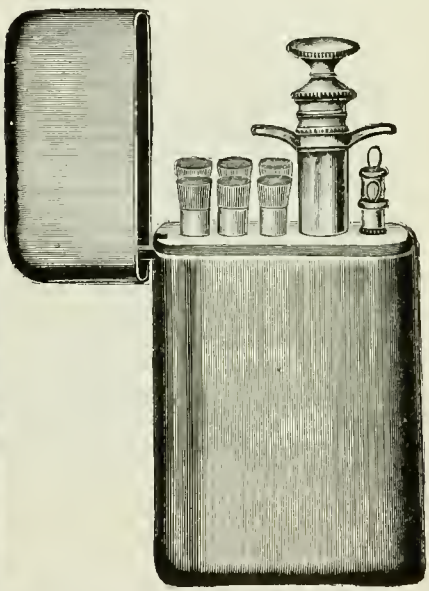


P-445



P-446

HYPODERMIC SYRINGES—Continued

P-443 Hypodermic syringe, in thin metal case, nickel-plated. The syringe in this outfit is like our No. P-437, complete with two needles, 6 vials and wire tube..... $2 25

P-444 Hypodermic outfit, containing our syringe No. O-442, two needles, 6 vials and wire tube 1 75

Same outfit with syringe No. P-437..... 2 00

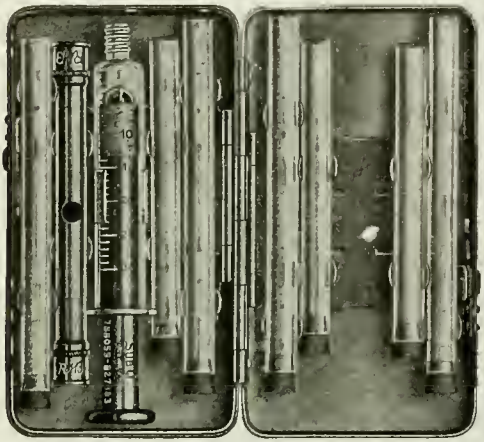
P-444A Same outfit with all metal syringe, the entire outfit heavily gold plated, suitable for presents to nurses and doctors..... 6 00

P-445 Hypodermic outfit in aluminum case, with 6 vials, two needles, original P. D. style 2 00

P-446 Hypodermic outfit in neat thin aluminum case, 6 vials, two needles, syringe the same as our No. P-438..... 1 75

P-446A Hypodermic syringe in ordinary aluminum case, with 4 or 6 vials, either metal syringe P-439 or glass barrel syringe P-441..... 1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



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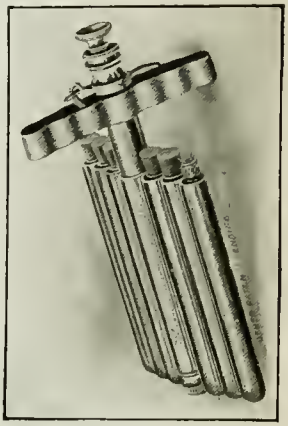

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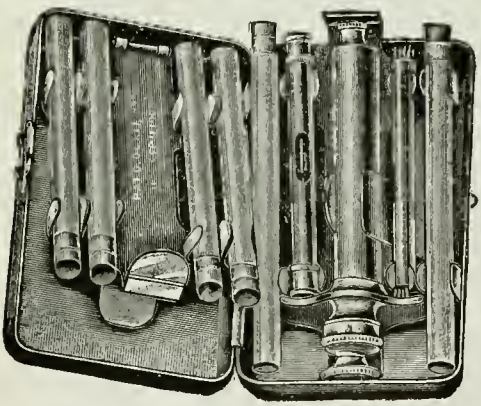

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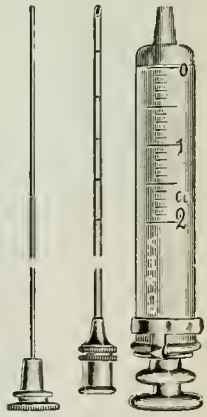
P-450



P-449

HYPODERMIC SYRINGES—Continued

P-447 Hypodermic outfit in well finished metal nickel-plated case. Syringe is the latest type Sub Q safety syringe, with 7 vials and two needles..... $2 50

P-448 Hypodermic outfit, "The Military," containing all metal syringe, 6 vials, in fluted nickel-plated case 3 50

P-449 Syringe, "Drs. Levy and Baudonin's," Luer type, all glass, capacity 2 cc., with gold plated, graduated cannla and obdurator for deep alcohol injection in trifacial neuralgia 3 75

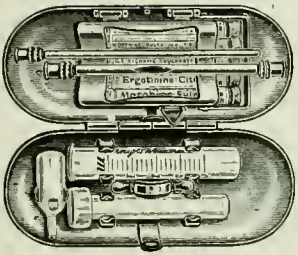
P-450 Sub Q safety syringe, latest type, 30 cc., in leatherette case, $1 25; 60 cc..... 1 50

P-451 Metal case containing 12 vials for hypodermic tablets..... 1 00

P-451A Leather case containing 12 vials for hypodermic tablets..... 1 00

P-451B Hypodermic outfit with syringe P-439, in aseptic nickel case, 6 vials and 2 needles 1 85

Do not mutilate catalogue.—Specify section letter and number in ordering.



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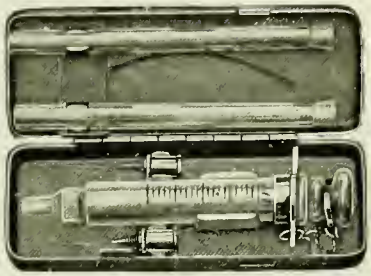

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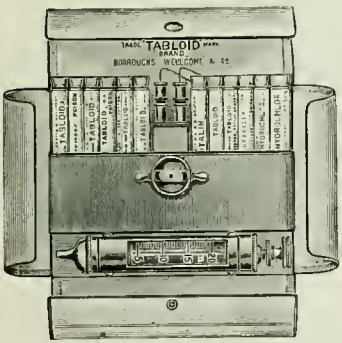

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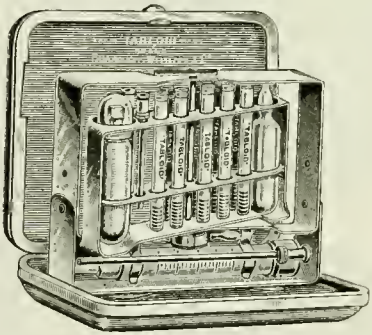

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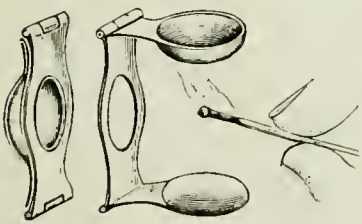

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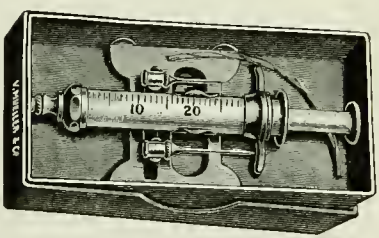


P-453

HYPODERMIC SYRINGES—Continued

P-452 Hypodermic outfit, with Luer all glass syringe, two needles and two vials, in nickel-plated case $2 00

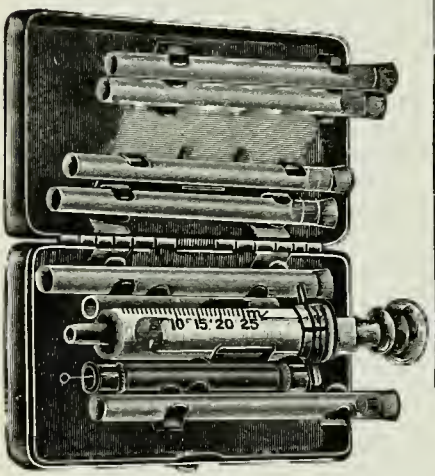
P-453 Hypodermic outfit, with glass barrel, glass piston rod and asbestos plunger, with two needles in cardboard case..... 1 00

P-454 Tabloid hypodermic case, containing 12 tubes of tabloid hypodermic products, B. W. & Co. all glass syringe, two regular steel needles and one steel exploring needle, etc., in aluminum or gun-metal case, $6 00; in solid silver case.. 22 25

P-455 Tabloid hypodermic pocket case. Fitted with 12 tubes of tabloid hypodermic products, B. W. & Co. all glass hypodermic syringe and two regular steel needles. In morocco case, $5 05; pigskin or seal leather, $5 95; crocodile leather 8 50

P-456 Hypodermic pocket case (The Mussel Shell). It contains a B. W. & Co. all glass hypodermic syringe, two regular steel needles, one exploring needle, 5 tubes of tabloid hypodermic products. In nickel-plated metal case with doeskin cover.... 5 00

P-457 Hypodermic folding spoon, Moore's, a single match is sufficient to heat the water and to dissolve the tablet..... 50



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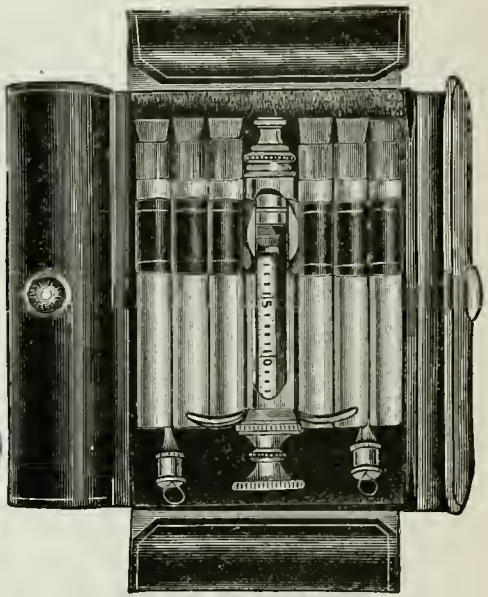

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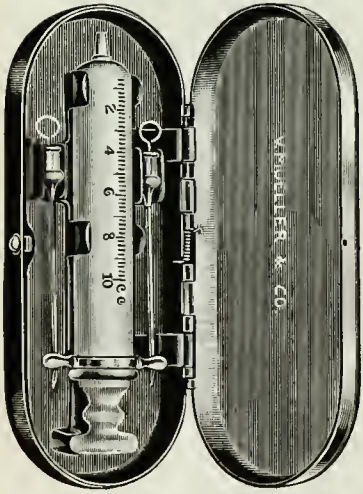


P-461



P-459

HYPODERMIC SYRINGES—Continued

P-458 Hypodermic outfit in leather case, containing our syringe P-442 or P-438, two needles and 6 vials..... $1 75

P-459 Gotthell's mercurial syringe. The barrel of this syringe is small and accurately graduated in minims up to 10, and the caps are so arranged that there is absolutely no lost space. The plunger is of metal, which is not easily affected by mercury, with 6 steel needles suitable calibre and length..... 3 00

P-460 Hypodermic outfit containing the Luer all glass syringe with two needles and 6 vials, complete in strong metal nickel-plated case, 2 cc., $2 75; 25 minim..... 2 50

P-461 Luer syringe, all glass in metal nickel-plated case with two steel needles, 5 cc., $3 50; 10 cc., $4 50; 20 cc., ... 7 00

With platinum needles instead of steel needles, extra..... 2 00

Do not mutilate catalogue.—Specify section letter and number in ordering.

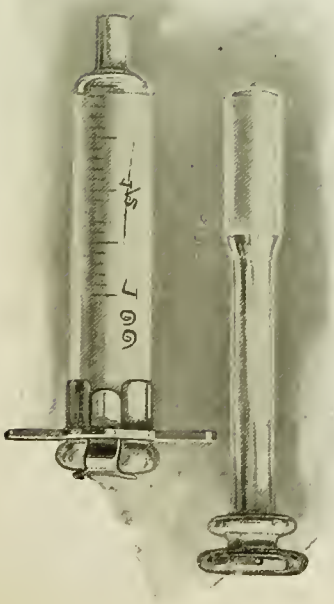


P-462

HYPODERMIC SYRINGES—Continued

P-462 Metal nickel-plated case containing set of all glass aseptic Luer syringes and needles for same. Outfit consists of one ½ cc. for gray oils, 1 cc. long for tuberculin, 25 min. and 2 cc. for regular subcutaneous work, 5 and 10 cc. for serums. 10 and 20 cc. sizes are specially recommended by the best authorities for the administration of "Salvarsan." The needles in this assortment include every size for which we have an appreciable demand. Other sizes made up specially on request. Complete in metal case.....$30 00

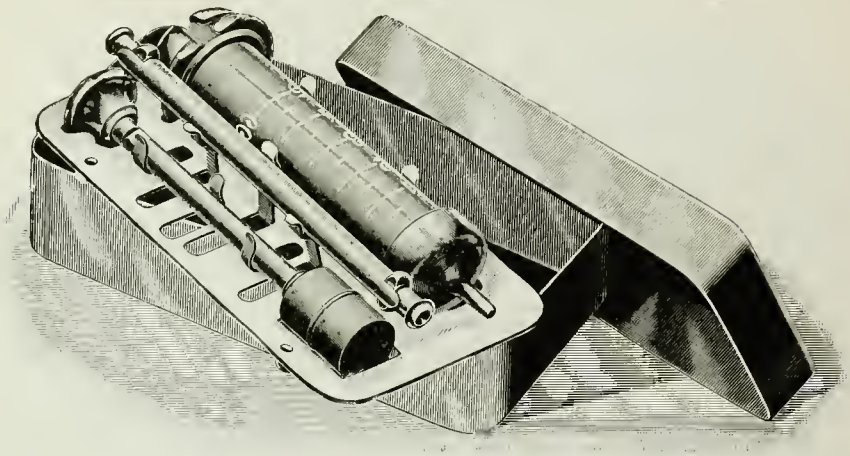
This assortment is indispensable to the up-to-date physician who does any genito-urinary work and to every well equipped hospital.



P-463

P-463 This illustration shows the construction of the Crystal aseptic syringe. While this syringe meets the demand for aseptic syringe, it is not nearly as satisfactory as the Luer, for the reason that the plunger is only partially ground into the barrel, consequently does not work as smoothly and satisfactorily as the Luer. The difference in the price is so slight that we advise our customers to buy the Luer syringe in preference to the Crystal. Crystal syringe in metal case with two steel needles, 2 cc., $1 75; 5 cc., $2 75; 10 cc., $3 75; 20 cc..... 5 00

If platinum needles are wanted in place of steel needles, price is from $1 00 to $2 00 more, according to size of needles.



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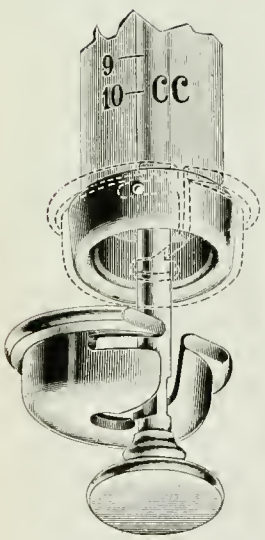

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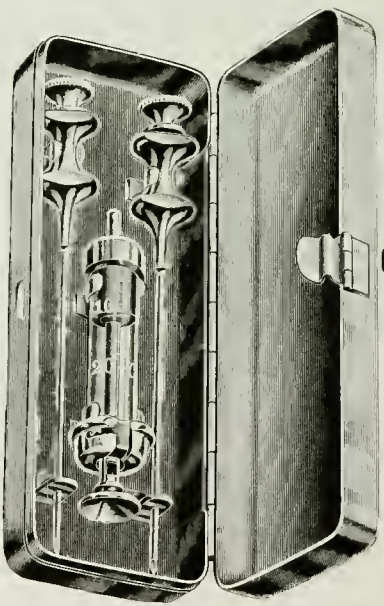

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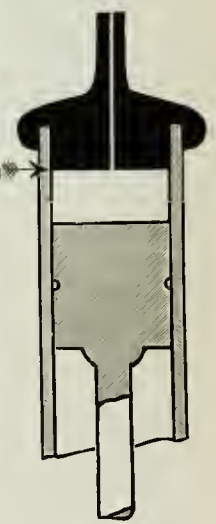

P-464A

HYPODERMIC SYRINGES—Continued

P-464 and P-464A illustrate the construction of the famous "Record" precision syringe. These syringes are made entirely of glass and metal, the metal mounts being attached to the glass barrel with an alloy solder, obviating all possibility of their separating during sterilization, they have no washers or packings of leather or other destructible material and can therefore be rendered thoroughly aseptic by sterilization in boiling water.

The "Record" syringes are now in use all over the world and their excellence is acknowledged generally by the medical profession.

P-465 shows the style of case in which all sizes and types of the "Record" syringes are furnished. The case is provided with a movable tray which has four small legs so that the syringe does not come in contact with the outside case.

P-466 Bier's syringe, "Record" pattern, 2 cc. for spinal anaesthesia with two steel needles, each with obdurator, in metal case..... $8 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-467

HYPODERMIC SYRINGES—Continued

P-467 Set of "Record" syringes, one each, 1 cc., 2 cc., 5 cc., 10 cc., 20 cc., with 20 "Record" needles, in fine metal case, complete set.... .....$25 00

P-467A "Record" syringe in metal case like Fig. P-465, 1 cc., with two steel needles, $3 25; 2 cc., with two steel needles, $4 00; 5 cc., with two steel needles, $5 50; 10 cc., with two steel needles, $6 50; 20 cc., with two steel needles..... 8 00

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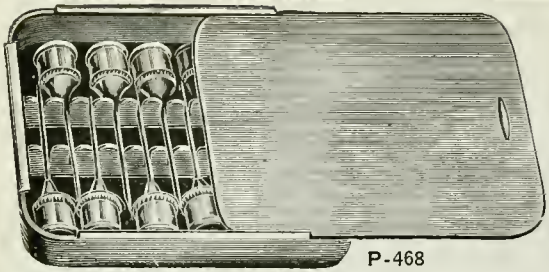

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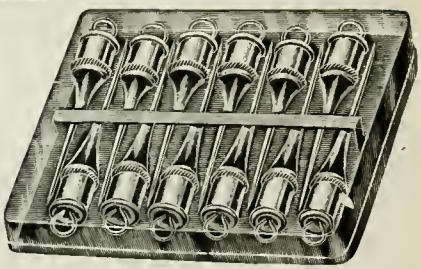
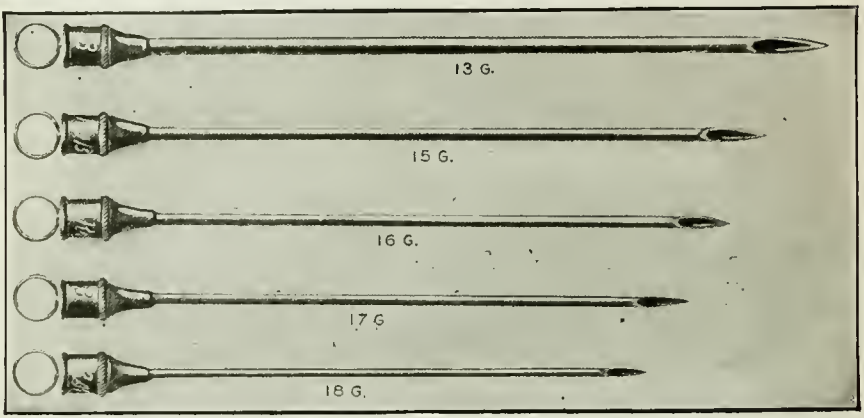
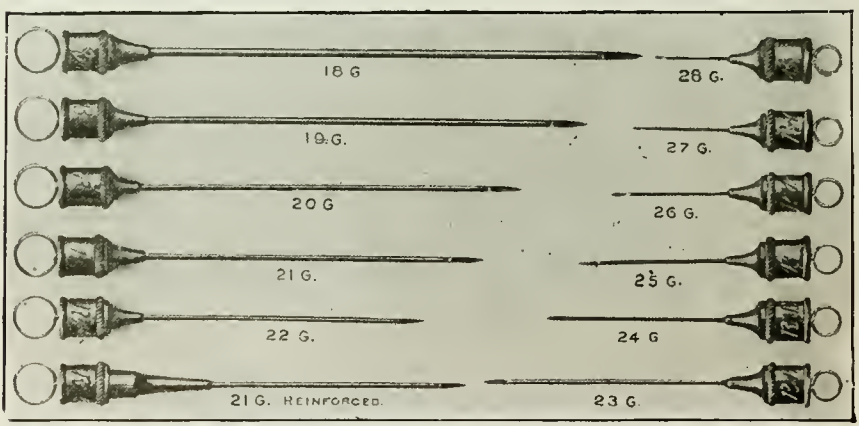


P-469



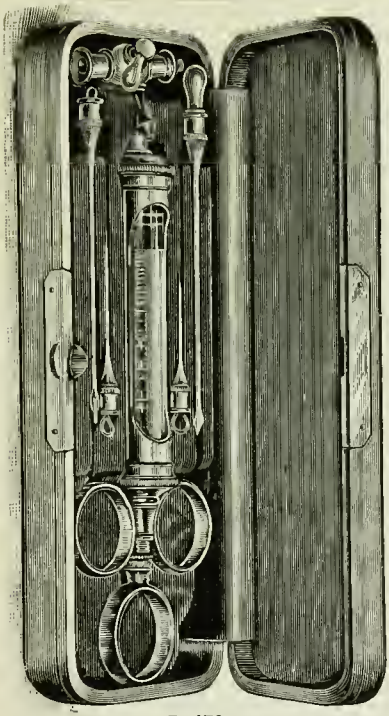
P-477





P-468	One dozen hypodermic needles in aluminum case with sliding cover, best grade	$1 00
P-469	One dozen hypodermic needles in celluloid case, good grade	75
P-470	Regular hypodermic needles, each, $0 10; dozen	60
P-471	Regular hypodermic platinum needles, from $0 75 to	1 50
P-472	Luer's hypodermic needles, each $0 15, dozen	1 50
P-473	Luer's platinum hypodermic needles, from $0 75 to	1 50
P-474	Aspirating needles, small, $0 25; medium, $0 30; large	35
P-475	Exploring trocar for potalu aspirator	60
P-476	Potain aspirator needle, small, $0 40; large	50
P-477	Needle for spinal anaesthesia	75
P-478	Sub Q needles, each $0 15 up; dozen, $1 50 to $2 50 according to size.	
P-478A	Hypodermic needles of gold, each, $2 00; 6 for	10 00

Note—In ordering Hypodermic or Aspirating needles please mention gauge from above illustrations.



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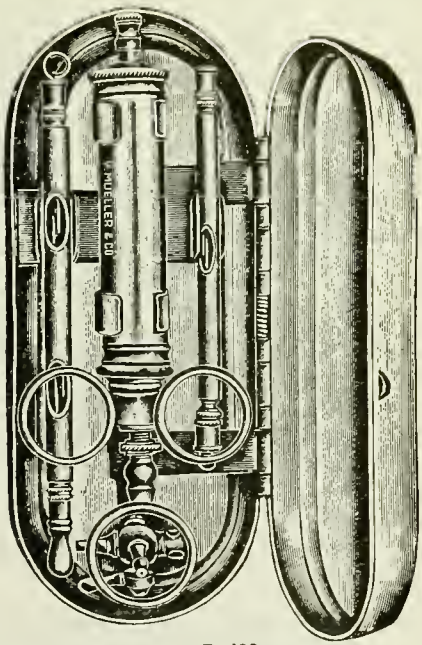
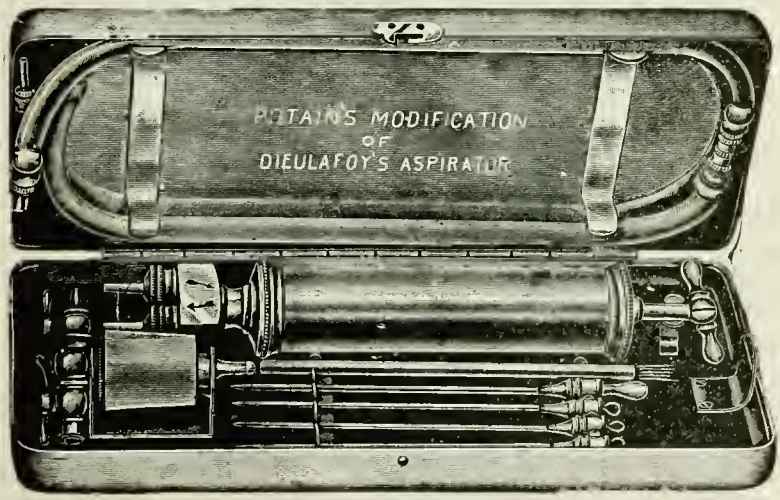


P-480



P-481

ASPIRATING SYRINGES

P-479 Aspirating syringe with expanding leather plunger, capacity 2 drachms, stop-cock, trocar and canula, three assorted size needles in well made leather covered case with round corners $2 50

P-479A Outfit above with the exception of an all metal syringe instead of leather packed syringe 3 00

P-480 Aspirating syringe, capacity 2 drachms, all metal with metal expanding plunger, stop-cock, exploring trocar, hypodermic needle, anti-toxin needle and aspirating needle, complete in metal nickel-plated case..... 3 50

P-481 Potain's aspirator with metal pump and double patent metal valves, three needles, trocar and canula, metal connections and rubber tubing, in well made aseptic nickel-plated case. The case is made with special tray and metal fittings and entire contents can be removed for sterilization. Outfit as described with metal pump 7 50

Same outfit, but pump with leather packing..... 6 00

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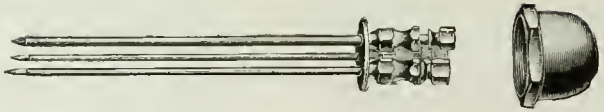

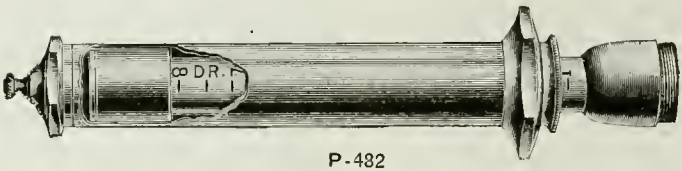

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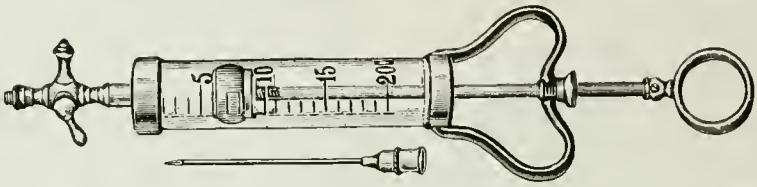

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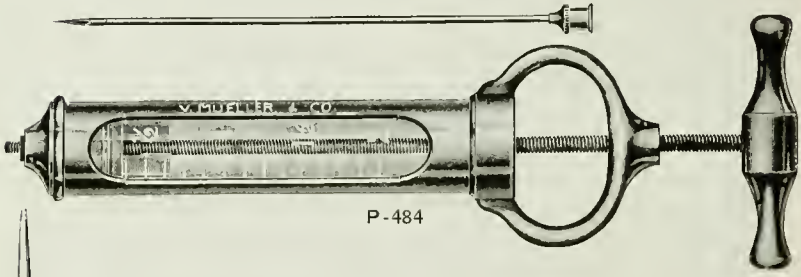


P-484

ASPIRATING AND INJECTION SYRINGES

P-482 Fergnson emulsion syringe, witb metal expanding plunger, hollow metal piston rod bolding three sizes of injecting trocars. Tbis syringe can be rendered sterile by boiling. Made in two sizes, 15 cc., $3 50; 30 cc..... $4 50

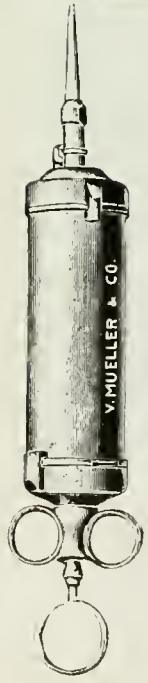
P-483 Murphy aspirating syringe, capacity 20 grams, glass barrel with stop-cock, piston removable and can be rendered sterile by boiling..... 5 00

P-484 Magnuson-Murphy latest model syringe for injecting formalin, tnrpentine, or glycerine into joints. This syringe is very powerfully built, the walls of the glass barrel are heavy. The capacity of the syringe is 60 cc., on one side the barrel is graduated up to 60 cc. and on the other side up to 2 ozs. The plunger and washers can be rendered sterile by boiling. Complete with 2 needles 13 50

P-485 Vienna all metal syringe. This syringe has a capacity of 120 cc. The plnnger is of metal, very carefully ground into the barrel. Both ends are attacbed to the syringe by means of bayonet joints instead of threads, tberefore less liable to wear. This is the best constructed all metal syringe on the market, net 9 00

P-486 Alexander-Curtis aseptic syringe. The plunger of this syringe is of metal carefully ground into a glass barrel. Both ends are attached to the syringe by means of bayonet joints instead of threads. This syringe can be rendered absolutely sterile and is especially adapted for blood transfnsion, etc. Capacity 100 cc., net..... 13 50

P-487 Curtis Y-shaped tube for blood transfusion. This can he attached to syringe P-486 or similar type.. 1 25



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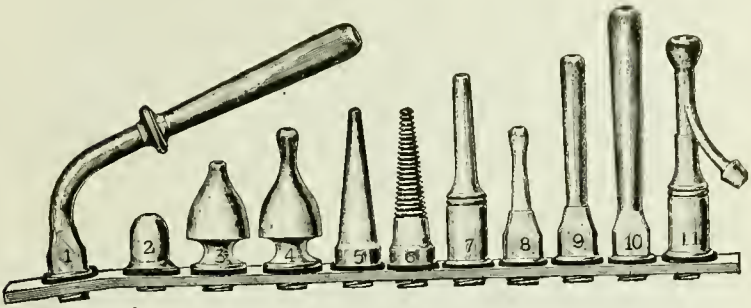
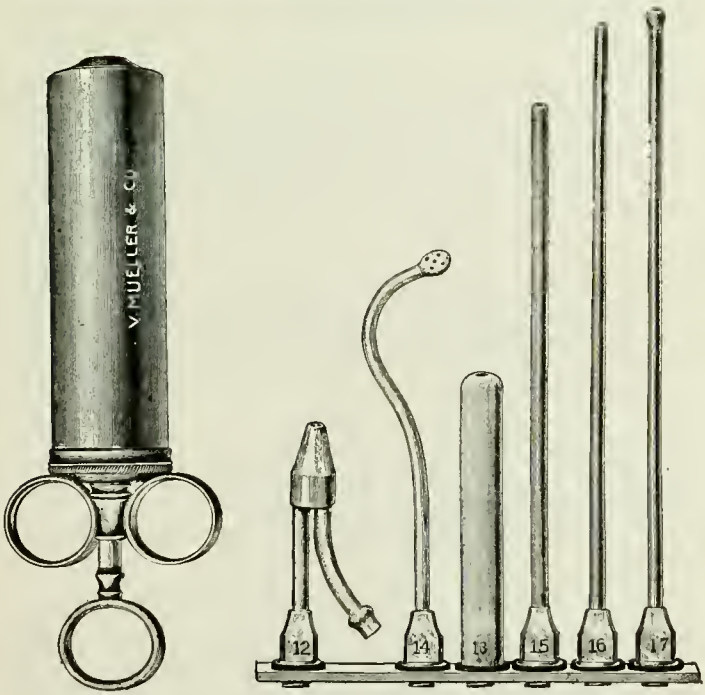
P-486





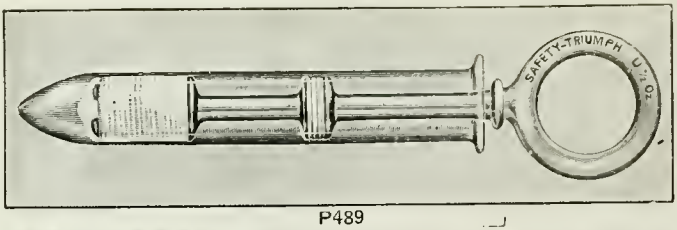
P-488

INJECTION SYRINGES

P-488 V. M. & Co.'s Perfection syringe, made entirely of metal with accurately ground, expanding metal plunger, finger rings and universal thread to fit an style of tip, made of brass, heavily nickel-plated.

Capacity	¼ oz. $2 00	½ oz. $2 25	1 oz. $2 50	2 oz. $3 00	3 oz. $3 50	4 oz. $4 00	6 oz. $5 00	8 oz. $5 50
Adjustable tip for rubber tubing		25	Tip No. 9. Rectal, children's					25
Tip No. 1. Bent rectal		50	Tip No. 10. Rectal, adults'					35
Tip No. 2. Penis, small		25	Tip No. 11. McCulley's ear douche					50
Tip No. 3. Ear or penis		25	Tip No. 12. Kiefer's, urethral					50
Tip No. 4. Kramer's, ear		25	Tip No. 13. Rectal, extra large					35
Tip No. 5. Wound, tapering		25	Tip No. 14. Bosworth's, post nasal					50
Tip No. 6. Catheter		25	Tip No. 15. Throat, flexible					50
Tip No. 7. Pomeroy's, ear		25	Tip No. 16. Uterine, plain					50
Tip No. 8. Rectal, small		25	Tip No. 17. Uterine, probe point					50

For other large syringes see Section O, Genito Urinary.



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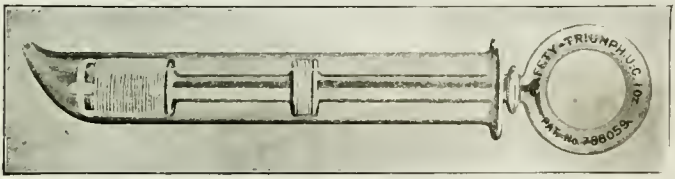

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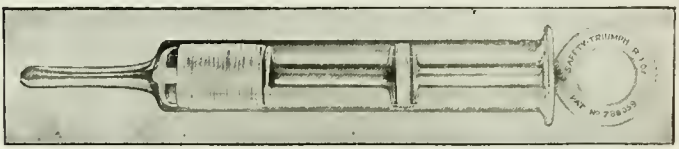

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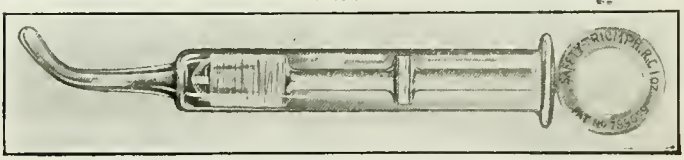

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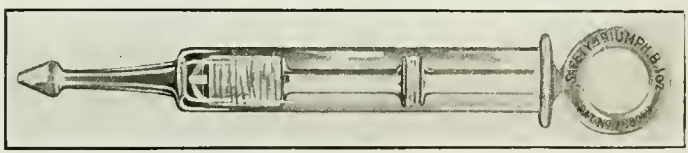

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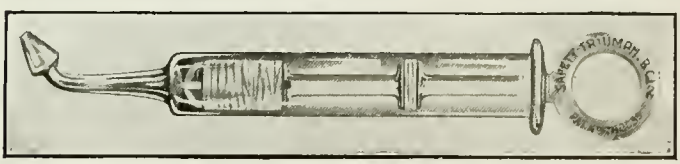


P-494

INJECTION SYRINGES

P-489 Triumph urethral syringe is made of heavy annealed glass but will stand boiling. The plunger is wrapped with mineral asbestos packing which does not shred like ordinary asbestos and has a safety cushion at the end of the same material, 1-ounce, $0 75; 2-ounce..... $1 50

P-490 Triumph aseptic syringe, same as above but with curved point, 1-ounce, $1 00; 2-ounce 1 50

P-491 Triumph catheter syringe, construction same as described above, ½-ounce, $0 60; 1-ounce, $1 00; 2-ounce 1 50

P-492 Triumph curved syringe, construction same as described above, ½-ounce, $0 60; 1-ounce, $1 00; 2-ounce..... 1 50

P-493 Triumph paste syringe, with bulbous point for ear or nose, 1-ounce. $1 00; 2-ounce 1 50

P-494 Triumph paste syringe, with curved bulbous point, especially adapted for tonsils, etc., ½-ounce, $0 85; 1-ounce, $1 25; 2-ounce..... 1 50

All syringes described on this page are especially well adapted for the injection of bismuth paste as suggested by Dr. Emil Beck and Dr. J. Beck.

Do not mutilate catalogue.—Specify section letter and number in ordering.

Section "R"

Deformity and Fracture Apparatus

Splints, Splint Material and Artificial Limbs

Elastic Hosiery and Abdominal Supporters

Crutches, Trusses, Suspensories, Etc.

Enamel Ware, Rubber Goods and Sick Room Supplies

Hot Air Apparatus, Vapor Bath Cabinets and Window Tents

To Our Customers

In presenting this portion of our catalogue to you, we find it impossible to illustrate all the many forms of apparatus that we manufacture; we are therefore obliged to confine ourselves to those patterns which have been found by specialists in this line of work to be the most effective. We are in a position, however, to manufacture braces illustrated in other catalogues, or in medical books, as well as special apparatus designed for special cases by the surgeon in charge.

ORTHOPEDIC APPARATUS

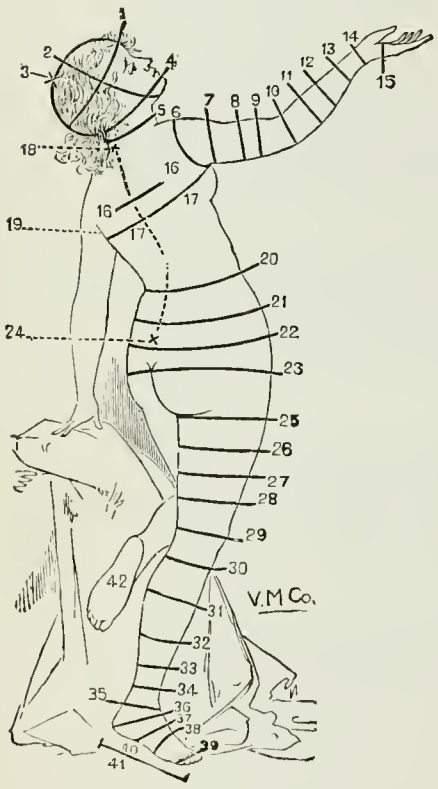


DIAGRAM FOR MEASUREMENTS

1. Circumference of head.
2. Circumference around chin and top of head.
3. Distance from center of base of skull to center of forehead.
4. Circumference at base of skull and around chin.
5. Circumference of neck.
6. Circumference of arm under axilla and over shoulder.
7. Circumference upper part of arm.
8. Circumference of arm over biceps.
9. Circumference above elbow.
10. Circumference at elbow joint.
11. Circumference below elbow.
12. Circumference middle of forearm.
13. Circumference above wrist.
14. Circumference at wrist joint.
15. Circumference of hand, between thumb and knuckles.

16-16. Distance from center of right to center of left scapula.

17. Diameter between axillae.
18. Vertebra prominens.

18-24. Distance from vertebra prominens to sacro-lumbar articulation.

19. Circumference of chest under axillae.
20. Circumference at waist.
21. Circumference at crest of ilium.
22. Circumference between crest of ilium and trochanters major.
23. Circumference at trochanters major.
24. Sacro-lumbar articulation.

24-18. Distance from sacro-lumbar articulation to vertebra prominens.

25. Circumference of thigh at perineum.
26. Circumference upper third of thigh.
27. Circumference middle of thigh.
28. Circumference above knee.
29. Circumference at knee-joint.
30. Circumference below knee.
31. Circumference at calf.
32. Circumference below calf.
33. Circumfereuce between calf and ankle.
34. Circumference above ankle.
35. Circumference at ankle joint.
36. Circumference at heel.
37. Circumference at instep.
38. Circumference at ball of foot.
39. Circumference of toes.
40. Sole of foot.
41. Length of sole of foot.
42. Outline of sole of foot.

MEASUREMENTS REQUIRED FOR SHOES

Outline tracing on paper of sole of foot, 42.
Length of sole of foot, 41.
Circumferences at 31, 35, 36, 37, 38, 39.

FOR REFERENCE ONLY



Cyphosis.
Posterior Curvature
R-1



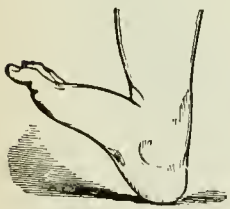
Pott's Disease.
Angular Curvature.
R-5



Lordosis.
Anterior Curvature.
R-10



Scoliosis.
Lateral Curvature.
R-15



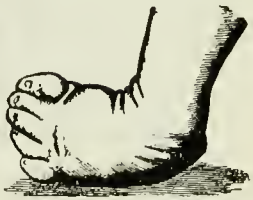
Talipes Calcaneus
R-20



Talipes Equinus
R-25



Talipes Valgus
R-30



Talipes Varus
R-35

SPECIAL INSTRUCTIONS

We would call attention to the necessity of accuracy in measurements and explicit instructions for the making of each apparatus. We guarantee every appliance sent out by us to correspond exactly with directions and measurements furnished us, and any omissions or errors on our part will be corrected without extra cost to patient. As this class of apparatus is only manufactured to order, physicians will see the necessity of requiring their patients to pay a portion of the amount when the order is taken, and the balance on the delivery of the brace.

Experience has shown us that appliances of this character are more or less uncomfortable when first worn, and that patients are at that time easily discouraged or dissatisfied with trivial matters; while we will make such changes as are necessary without charge (where the fault is ours), we must ask physicians to protect themselves and us to the fullest extent.

Many physicians of long experience in handling this class of cases collect at least one-third in advance, remit the same to us and direct us to forward the apparatus, as soon as finished, direct to the patient, collecting the balance C. O. D., thus relieving them of all financial responsibility. We suggest this plan because of the numerous requests made by physicians for an extended credit on appliances of this kind, they claiming that they could not afford to pay us cash for them and wait the will and pleasure of their patrons.

Where shoes are to be worn with braces, we urgently request customers to furnish them (sending them to us by registered mail, carefully addressed), for we find it next to impossible to secure well-fitting shoes from measurements furnished us, and quite frequently we are compelled to pay a price far in advance of what patients can obtain them for at home. Where we furnish shoes they are not returnable, as we take no responsibility as to their fitting the patient.

From the fact that no parts of braces made to order can be again used, they are not returnable for credit, and if for any cause, the order should be cancelled before work is completed the value of the work done must be charged, or if the work is completed the full amount must be paid.

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-40



R-45

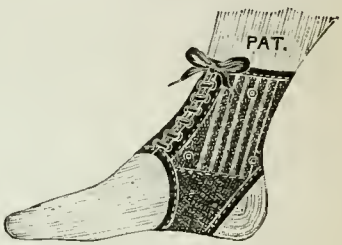


R-50

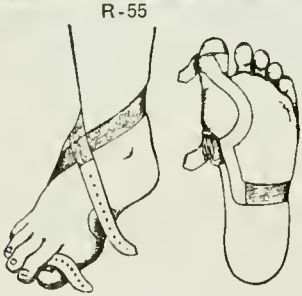


Supporter Adjusted to Foot.

R-55



R-60



R-65



R-70 R-70A

ORTHOPEDIC APPARATUS

R-40 Extension shoe, with cork or willow wood sole. Price, each.....$6 00 to $12 00
R-45 Extension shoe, with continuous steel extension frame..... 7 00 to 9 00

DIRECTIONS FOR MEASUREMENTS.

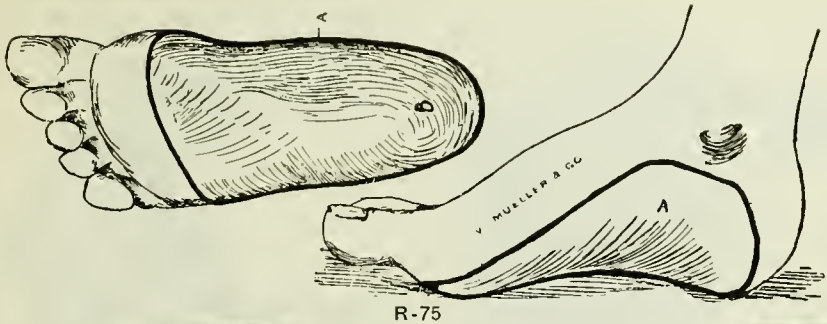
Have patient stand erect with both feet bare. Place two piles of blocks or books, one under the heel, and the other under the ball of the foot, building them up until the weight of the patient is evenly distributed, and the pelvis and shoulders are on a horizontal plane. Measure these two piles and forward result to us. Send a well fitting shoe.

R-50 Extension shoe, improved. Price, from.....$25 00 to $35 00

This apparatus consists essentially of an inclined solo placed on the inside of the shoe. It is fitted either directly to the inside sole of the shoe, with the uppers enlarged to accommodate the heel, or forms part of an inner shoe or sandal which laces to the foot and fits into an outer shoe the size of the one worn on the sound limb. With either style the dress or trousers cover the projection of the heel, so that no deformity is noticeable.

R-55 Ankle brace, Golden's, made of sole leather molded to fit accurately, each from ..... $0 60 to $1 50
R-60 Ankle brace, Nathan's, made of heavy sateen or tan leather, reinforced with light whale-bone. Sateen, $1 25 to $1 75. Leather.....$1 50 to 2 00
R-65 Apparatus for bunions, Sesemann's Improved form, each..... 8 00
R-70 and 70A Apparatus for bunions, London's improved..... 2 50

In ordering mention size of shoe, whether for right or left foot and send outline drawing of naked foot, circumference of waist of foot, and great toe.



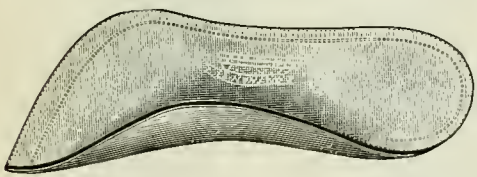
R-75



R-80



R-80A



R-85



R-90



R-90A

ORTHOPEDIC APPARATUS

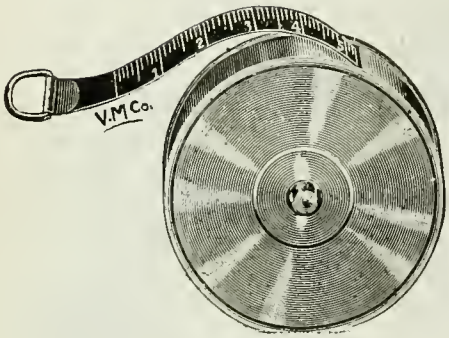
R-75 Arch support, Royal Whitman's. This support is designed to meet special cases of flat foot where the regular stock style of supports will not correct the deformity. They are made of German silver, fitted carefully to the patient's foot at our work-shop, or where it is impossible for the patient to come to our place of business, to a plaster cast of the foot, each..... $3 00

R-80 and 80A V. Mueller & Co.'s arch in-step support, kept in stock in all sizes. This arch we consider the best of the ready-made arch supports, pair.....$3 00 to 3 50

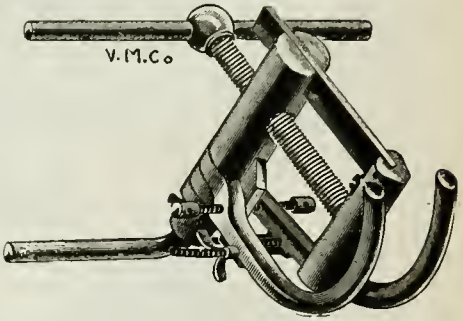
R-85 Nathan's arch support, made of flexible material leather covered and is of great help in some cases where the patient's condition is so bad that they cannot wear a metal support, per pair..... 2 25

R-90 and 90A Arrowsmith's adjustable arch support, made in all sizes, per pair, from .....$2 50 to 3 50

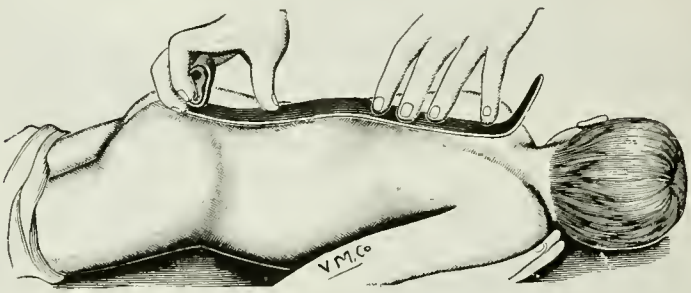
Do not mutilate catalogue.—Specify section letter and number in ordering.



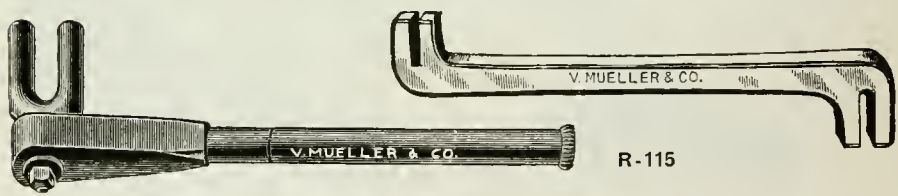
R-105



R-100



R-110



R-115

R-120

ORTHOPEDIC APPARATUS

R-100 Grattan's Osteoclast. The advantages of this osteoclast are, its moderate cost, its compactness and the possibility of lifting the limb out of the instrument after the bone has been fractured, with the least possible disturbance of the broken bones. The curved forks are adjustable and may be set at every half inch, the thread of the screw is cut "long," so that pressure is brought to bear with great rapidity and is as rapidly released, net $75 00

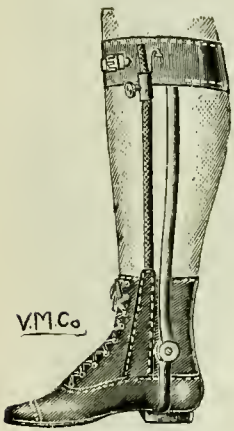
R-105 Tape measure, made with linen or steel tape, linen regular 40
Best grade 50
Steel regular 75
Best grade 1 00

R-110 Illustrating flexible strip of lead for the purpose of getting the correct outline of the spine in cases of Pott's disease. Illustration shows method of procedure. After having taken the correct curve put the strip on a piece of paper and trace the outline and send it in with your measurement. This will be of great help to us in making the apparatus. Per pair of lead strips 75

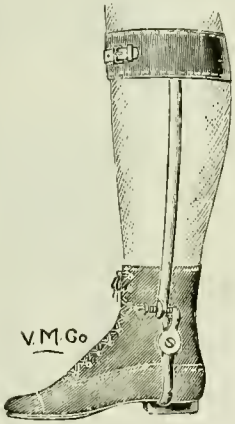
R-115 Wrench for bending orthopedic apparatus, pair, net 5 00

R-120 Thomas wrench for bending orthopedic apparatus, pair, net 12 00

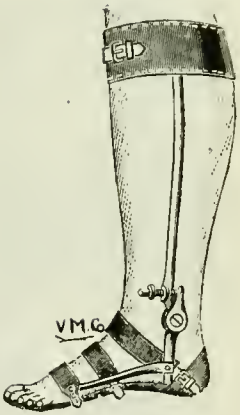
Do not mutilate catalogue.—Specify section letter and number in ordering.



R-125



R-130



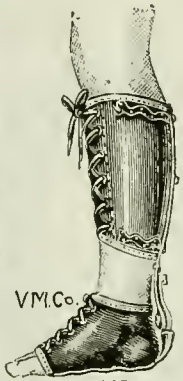
R-135



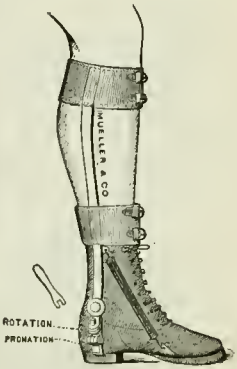
R-140



R-140A



R-145



R-150

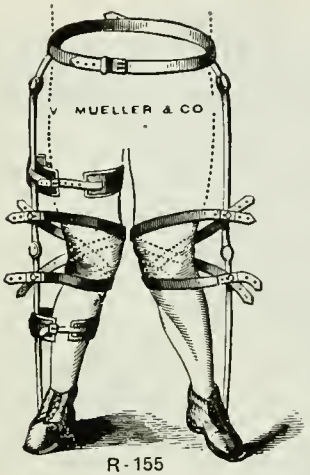
ORTHOPEDIC APPARATUS

R-125 V. Mueller & Co.'s brace for weak ankle and the correction of flat foot..$12 00 to $15 00
R-130 V. Mueller & Co.'s brace for the correction of talipes equinus..... 12 00 to 15 00
R-135 Vienna club-foot apparatus with regulating screw at the joint. This can be arranged so it can be worn inside the shoe and also to be used at night..$15 00 to 20 00
R-140 V. Mueller & Co.'s improved Taylor club-foot brace..... 12 00 to 15 00
R-145 Nelaton's club-foot apparatus with adjustable ball and socket joint, by means of which the foot can be held in the desired corrected positlon.....$18 00 to 25 00
R-150 V. Mueller & Co.'s club-foot apparatus, can be used for the treatment of weak ankles when associated with inverted feet, also for the various forms of talipes varus. By means of the various joints and ratchets, adduction and supination can be secured. Where the case is combined with talipes equinus, an artificial muscle or an endless screw may be employed to correct this deformity..$20 00 to 25.00

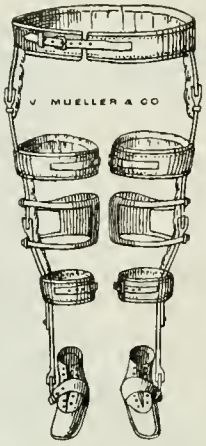
Measurements required.

1. Patient's name, weight and age.
2. Right or left foot.
3. Length from sole to ankle joint, and from sole to calf.
4. Circumference above ankle and around the calf. For R-135 and R-140 in addition to above measurements, a tracing of the outline of the sole of the foot is required. For R-145 a plaster cast of the foot and leg to below the knee joint.

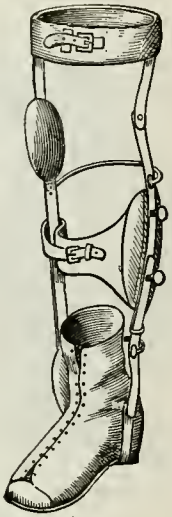
Do not mutilate catalogue.—Specify section letter and number in ordering.

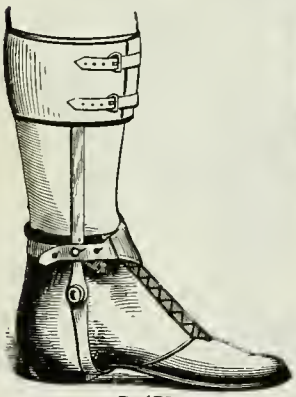


R-155

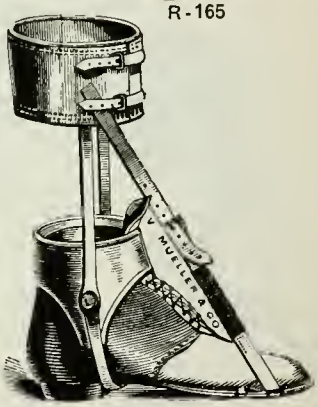


R-160


R-165


R-170


R-175



R-180

ORTHOPEDIC APPARATUS

R-155 Knock-knee braces for both legs.....$30 00 to $35 00
For one leg ..... 22 50 to 30 00

R-160 Knock-knee braces, latest improved type. When intended for bow-legs the steel bars extend from the ground to the Tuber-ischii on the inside of the leg. For one leg .....$25 00 to 30 00
For both legs ..... 35 00 to 40 00

R-165 Gross' bow-leg brace, as two steel bars, joint at the ankle and knee and extends from the sole of the shoe to a padded metal band enclrcling the thigh. A wide band passes around the leg at the point where the deformity is the most acute and is buckled to the inner upright bar.....$15 00 to 18 00

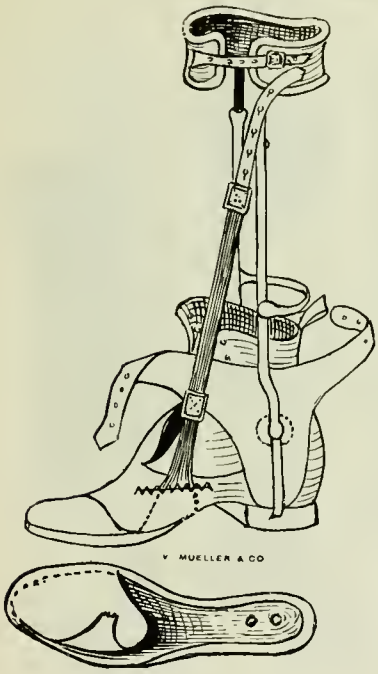
R-170 Weak ankle brace with broad strap at ankle which is buttoned to the steel bar on the outside. This is intended for mild cases of weak ankle only.....$7 50 to 10 00

R-175 Single bar apparatus for bow-leg below the knee joint. This apparatus is very effective where the curvature is situated right above the ankle or at the middle of the leg. A wide bifurcated band passes around the curved part of the leg and is fastened by straps to buttons placed in the steel bar.....$10 00 to 13 50

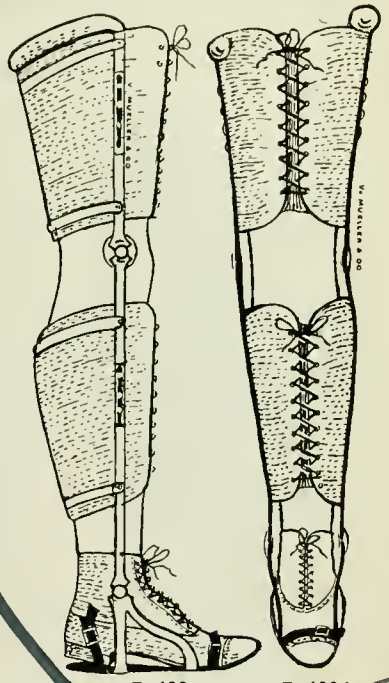
R-180 Weak ankle brace consisting of a well fitting laced shoe, two steel uprights with joints at the ankle and a stirrup passing under instep and attached to the shoe. When a contracted tendo-achillis is indicated an elastic muscle is added as shown in illustration.....$10 00 to 13 50

MEASUREMENT REQUIRED

Fig. R-170, 175 and 180, same as for Fig. R-125, etc.
Fig. R-155, 160 and 165, same as R-125 and in addition the following:
5. Length from sole of foot to iliac crest.
6. Circumference of knee joint, middle of thigh and body 2 inches below crest of ilium.
7. Right, left or both legs.
8. Tracing of leg or legs with patient in recumbent position.



R-185



R-190 R-190A

ORTHOPEDIC APPARATUS

R-185 Wiener's improved brace, for club foot. Price each $15 00 to.....$18 00

The most practical apparatus for the treatment of varus or valgus. The special feature of the brace is one that has been found very effective. It is the inner sole. A, made of German silver, covered with leather, and fastened to the inner edge of the shoe. A strap, passing through a slit in the shoe, fastened to the outer edge, and terminating in an artificial muscle is attached to the side bar of the brace to a button just below the padded calf band. When this strap is drawn tight, it lifts up the inner sole, and turns the foot inward and upward, thereby producing a great correcting influence. A cast of the foot in a corrected position should be sent with a pair of full sized, strong laced shoes.

THE WIENER-MUELLER AMBULATORY SPLINT

R-190 and R-190A Price of apparatus for use in ununited fracture $35 00 to.....$45 00
Price of apparatus for use in tubercular cases, including cork extension shoe for well leg $45 00 to 50 00

This apparatus is designed for treatment of tubercular knee or ankle joint, also in cases of ununited fractures. It consists of a strong steel frame reaching from the tuber ischia to the floor, about 1½ inches below the sole of the foot. The perineal or top ring is well padded and the entire weight is transferred from this point to the floor. Wide, padded leather bands above and below the knee are fitted snugly to the limb to hold the brace in position. Extension is obtained by means of straps fastened to the steel sole of the brace; this sole in connection with the perineal band, bearing the entire weight of the patient, and permitting him to walk without danger of disturbing the diseased limb. A cork extension shoe, having an elevation of 1½ inches, is worn on well foot in order to raise it to the length of the brace.

When used in cases of ununited fractures the brace is fastened direct to shoe, the cork extension and steel sole not being necessary. In order to obtain the best results we require a plaster cast of the limb, together with measurements indicated below.

1. Age, sex, weight, and general condition of patient.
2. Length from sole of foot to ankle joint, inner side of leg.
3. Length from sole of foot to knee joint, inner side of leg.
4. Length from sole of foot to perineum, inner side of leg.
5. Length from sole of foot to trochanter major, outer side of leg.
6. Circumference of ankle joint.
7. Circumference above ankle joint.
8. Circumference largest swelling of calf.
9. Circumference garter (below the knee).
10. Circumference above knee (lower third).
11. Circumference of thigh (middle third).
12. Circumference of thigh at perineum.

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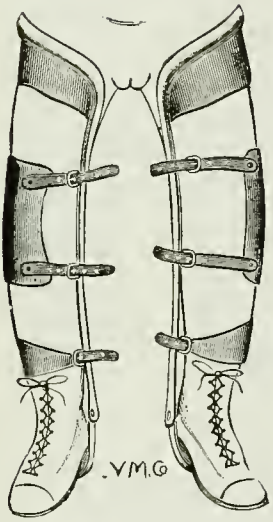
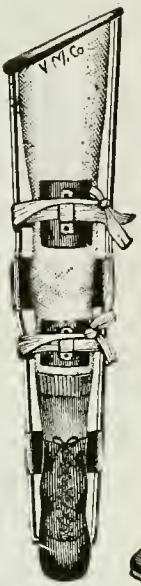
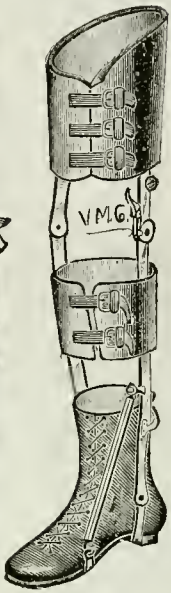


R-195



R-200



R-205



R-210

ORTHOPEDIC APPARATUS

R-195 Bow-leg braces, plain without joints at the knee. These braces are indicated in very severe cases and on account of their comparative cheapness, well adapted for clinical cases, for one leg.....$10 00
For both legs 18 00

THOMAS' KNEE SPLINT

R-200 The caliper splint consists of a ring and two side-bars of strong iron wire. The ring slopes from without inward, and from before backward, so that the part upon which the tuberosity of the ischium rests is its lowest part; it is bent to such a shape that when properly padded it shall fit the outline of the upper thigh, following fairly accurately the gleuto-femoral crease and the groin. The ring is padded with felt and covered with basil leather, $10 00 to..... 12 50

LOCK JOINT APPARATUS FOR PARALYSIS

R-205 This apparatus is made for paralysis of one limb. By an improved mechanism the knee-joint is locked while walking, and to enable the wearer to sit down, a lever is arranged at the joint which, when pressed with the finger outside of the clothing, above the knee, unlocks the joint and permits bending of the knee. In rising and straightening the limb the joint automatically locks itself. The side bars and ankle and knee-joints are made somewhat stronger than in those cases in which the patient has control of the knee-joint.
A strong piece of elastic webbing, designed to overcome muscular contraction, extends from the sole of the shoe to the bar above the ankle. The encasement for the thigh and leg are of strong leather and are well padded, $35 00 to..... 40 00

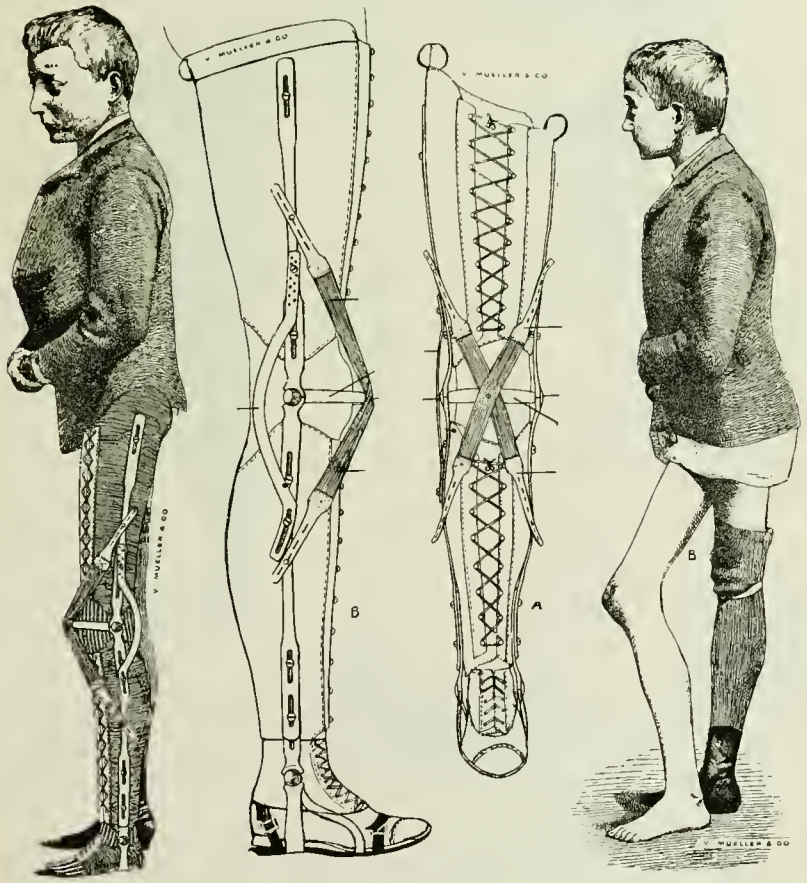
SOLE LEATHER KNEE SPLINT

R-210 Made of stiffened sole leather, lined with chamois, perforated for ventilation, and reinforced at sides and back with light steel bars. Made to lace in front. This splint is especially adapted to cases where the knee requires rest, immobilization and support. Made only from plaster cast of leg, $15 00 to..... 20 00

MEASUREMENTS FOR R-195 AND R-200

Length from sole of foot to ankle joint, to knee joint, and to upper thigh.
Circumference above ankle, around knee joint and upper thigh, and for R-195 tracing of the outlines of limb, for R-205 same measurements are required as for R-190.

Do not mutilate catalogue.—Specify section letter and number in ordering.

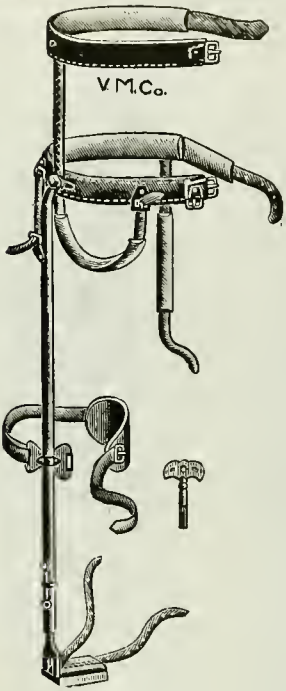


ORTHOPEDIC APPARATUS

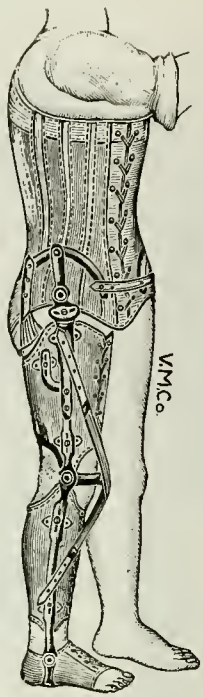
R-215 Hessing's apparatus for the correction of contracted knee joint. This apparatus consists of two leather shafts which are carefully molded over a plaster cast from the patient's limb. These shafts are connected by steel bars which are adjustable as to length. The brace itself is about two inches longer than limb, the weight of the patient is transferred from the floor to the Tuber-ischii. To the foot piece are riveted straps and these are fastened to the huckles on the shoe. In this way considerable extension and traction is obtained. In addition to this, two strong elastic straps are placed crosswise over a movable steel spring set into the joints at the knee. These straps are a great help to overcome the contraction. On the side of the apparatus is placed an arm by means of which one is able to secure the brace and prevent the recontraction of the limb, $50 00 to $60 00

Measurements required are the same as for R-190.

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-220



R-225

ORTHOPEDIC APPARATUS

R-220 Ridlon's long traction hip splint. The basis of this splint is the original pattern of the Taylor long traction splint, to which has been added a thoracic piece made fast by a fixation bolt. The advantages of the splint are, that it can be applied to a limb no matter how great the degree of deformity. It can be used as a bed splint or a walking splint, and it can be used to completely or partially immobilize, or to give traction without any considerable restriction to motion, $37 00 to $45 00

R-225 Hessing's apparatus for use in cases where knee or ankle joints are diseased or contracted, combined with either lateral curvature of the spine or Pott's disease. The apparatus for the lower extremity is constructed similar to figure R-215, and is connected with the spinal apparatus by means of a forked joint. An apparatus of this type can only be made when we have a good cast of the limb and body, and measurements very carefully taken. It would be best, however, that the patient should be sent to us when such an apparatus is required, in order to fit the apparatus to the patient, $85 00 to..... 100 00

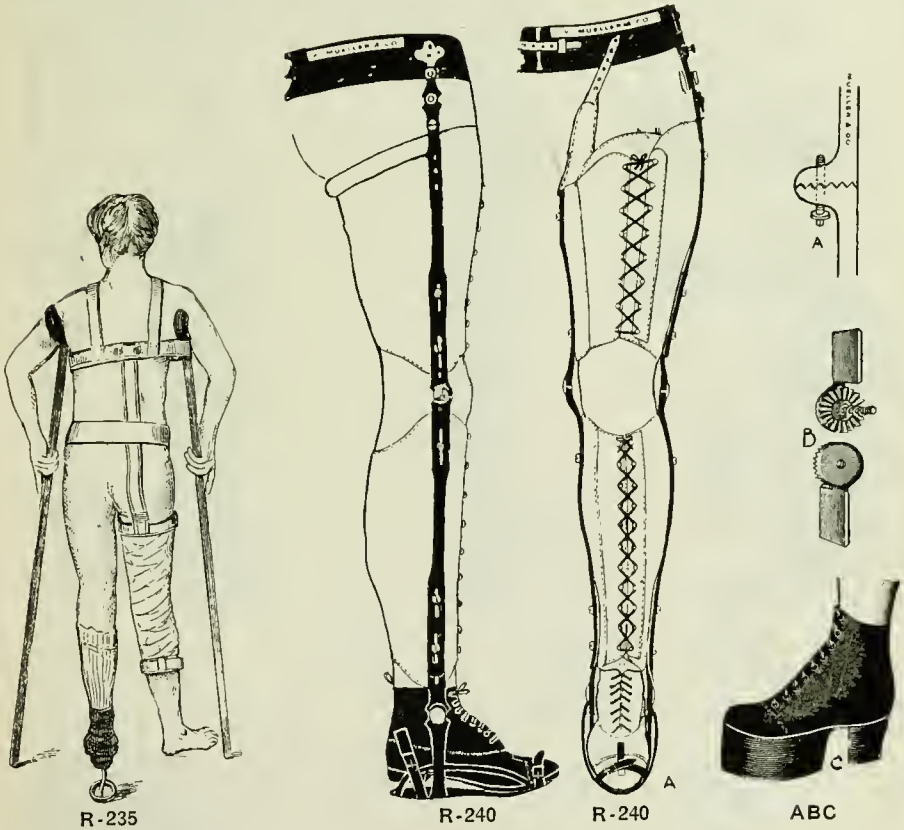
MEASUREMENTS REQUIRED

R-220 Sex, weight and age of patient.
2. Length from sole of foot to crest of ilium.
3. Length from sole of foot to center of knee joint.
4. Circumference of body one inch below crest of ilium.
5. Circumference of knee joint.
6. Right or left leg.
7. General condition of patient.
8. Length of crest of ilium to axilla.
9. Circumference of chest under axilla.

R-225 MEASUREMENTS REQUIRED

1. Plaster cast of limb and body.
2. Age, weight, sex and general condition of patient.
3. Length from sole of foot to ankle joint, inner side of leg.
4. Length from sole of foot to knee joint, inner side of leg.
5. Length from sole of foot to perineum, inner side of leg.
6. Length from sole of foot to trochanter major, outer side of leg.
7. Circumference at ankle joint, above ankle joint, largest swelling of calf, garter (below knee) above knee (lower third), of thigh (middle third), of thigh at perineum.
8. Length from knee to trochanter major.
9. Length from trochanter to crest of ilium.
10. Circumference of pelvis 1 inch below crest of ilium.
11. Length from trochanter major to axilla.

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-235 R-240 R-240 ABC

ORTHOPEDIC APPARATUS

R-235 Thomas' hip splint. Price, leather covered.....$10 00 to $15 00
Extension, extra ..... 6 00 to 10 00

This apparatus is designed to immobilize the hip joint, and consists of a flat steel posterior band extending from the scapula to the calf of the leg, a band passing around the chest, a band passing around the pelvis below the iliac crests, a band around the middle of thigh, and one around the calf. If necessary shoulder straps are attached to the chest band to hold brace in proper position. The splint is designed to be worn with an extension on the sound foot, as illustrated.

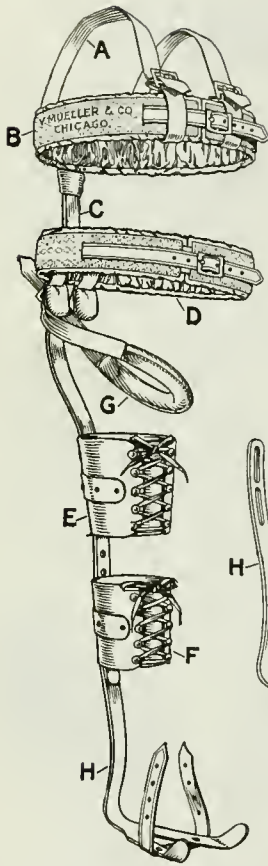
THE WIENER-MUELLER AMBULATORY SPLINT No. 2

Price including cork extension shoe, Fig. C.....$60 00 to $75 00

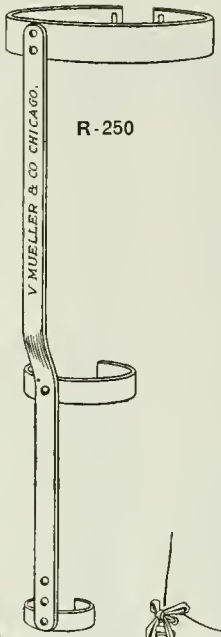
This brace is designed for the ambulator treatment of tubercular knee and hip joint disease. It is constructed on the same general lines as the No. 190 with the addition of a pelvic band, and where absolute immobility is required the side bar is carried up under the arms and a band added, passing around the chest. All joints are made so they can be fixed when immobility is required, and can be made movable when joint action is deemed advisabie. It is also valuabie in cases of paraiysis. Patients have been enabled to walk with this brace when all other means have failed utterly. The same cast and measurements are required for this brace as in R-190 with the following additions.

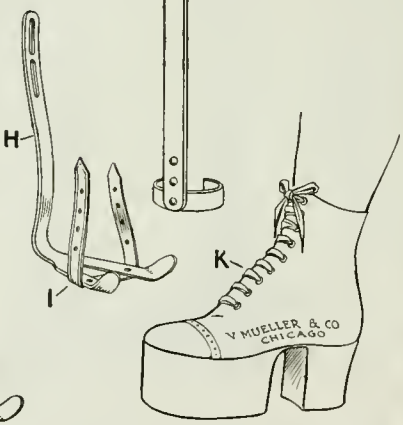
13. Length from knee to trochanter major.
14. Length from trochanter to crest of ilium.
15. Circumference of pelvis 1 inch below crest of ilium.
16. Length from trochanter major to axillae.

The iast two measurements arc required oniy when absolute immobiiity is required.

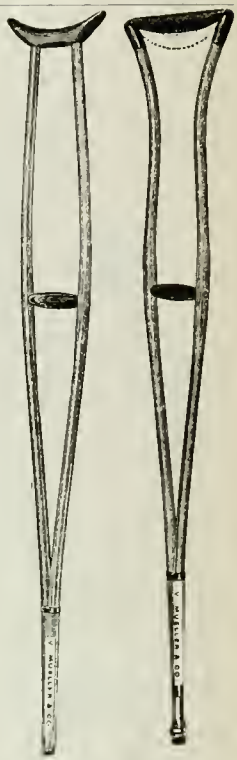


R-245





ORTHOPEDIC APPARATUS



R-270 R-260



R-275A R-275B

R-245 Davison's modification of Thomas' hip splint. Price including cork extension, like Fig. K ..... $35 00 to $40 00

This splint is used in hip joint troubles and fractures of the neck of the femur in old people. The splint is more easily applied and more comfortable than the regular Thomas splint. The general construction is the same as in the Thomas splint, with the addition of laced leather shafts to the original iron bands of Thomas' instrument. Chest and pelvic bands are well padded and comfortable. A well padded strap passes under the tuber ichium and is fastened to the pelvic band in the rear, thus supplying counter extension. The detachable nurse H is attached by means of straps to the shoe, which is furnished with buckles.

This splint is especially desirable when the surgeon finds it necessary to get the patient up and moving around. The entire limb is extended in the frame and the nurse H keeps the leg in proper position. An extension shoe 1½ or 2 inches high is worn on the sound limb. Patients must furnish their own laced shoes.

R-250 The illustration of a plain Thomas splint gives an idea of the increased comfort obtainable from a Davison splint.

R-260 Elastic Top Crutch, rock maple, arm rests of best Russia goat, Whittmore ferrules, full nickel trimmings, per pair $7 00

R-265 Elastic Top Crutch, rosewood, arm rests of best Russia goat, Whittmore ferrules, full nickel trimmings, per pair 9 00

R-270 Crutches, plain split, rock maple, with large wood arm piece, hand rest, ferrule, strong and well made 1 50

R-275 Crutches, plain split, pair 1 25

275A Crutch Rubber, cloth insertion, Whittmore's, 3 sizes, per pair $0 25, $0 35, 50

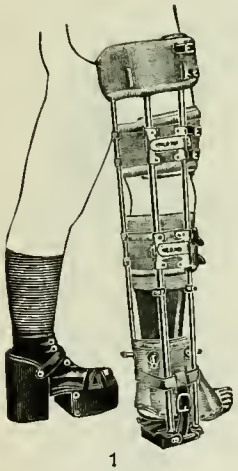
275B Crutch Rubbers, cloth insertion, 3 sizes, per pair $0 25, 30

275C Crutch Rubbers, to slip on, 5 sizes, per pair 20

Do not mutilate catalogue.—Specify section letter and number in ordering.

AMBULATORY PNEUMATIC SPLINT FOR FRACTURES

Of the hip, thigh, patella, leg, ankle, cases of non-union; dislocations; sprains; knee, or hip-joint disease.



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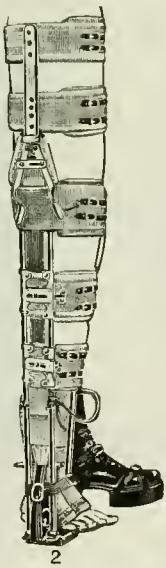

2



3

FRACTURE APPARATUS

1. Adjustable to right or left limb. Showing application of splint with posterior padded card-board splint for fractures of the leg, knee and ankle. This appliance as shown is used for knee joint disease and fractures of the femur.
Price to patients, $40 00

2. Adjustable to right or left limb. Showing application of splint with hip joint immobilizing attachment, padded belts for fractures of the femur, neck of the femur or hip joint disease. Also shows adhesive strap traction with posterior padded card-board splint and lock joint feature which permits patient when in recumbent position, to recline at an angle or to sit down as may be directed by the surgeon.
Price to patients, $50 00

3. Adjustable to right or left limb. Showing patient in street costume walking with Ambulatory Pneumatic Splint with comfort and perfect safety.

The Splint. It is made in two sizes, child's and adults'. It may be applied to either limb and adjusted to patients of various sizes.

It will give perfect satisfaction to patient and surgeon and will wear for years, and being washable, may be applied any number of times for the various purposes for which it is used.

DIRECTIONS FOR ORDERING

State: Nature of fracture? Length of limb sole of foot to perineum? Circumference thigh at pelvis? Right or left limb? Shoe for male or female? If for fracture of upper third or neck of femur or hip joint disease, also state: Circumference of hips? Around chest? Sole of foot to arm-pit?

With this information we will send splint adjusted, ready to comfortably fit patient, with all parts fully tagged and application notes enclosed and guaranteed to give perfect satisfaction.

PRICES TO PATIENTS

R-275 Ambulatory Pneumatic Splint with shoe, little key and pump.....$40 00
R-280 Hip Joint Immobilizing Attachment..... 10 00
R-285 Compound Key (for lengthening or shortening four screws of splint together).... 5 00
R-290 Case for complete outfit..... 5 00
Prices net. 15 per cent. discount given for cash with the order or C. O. D.

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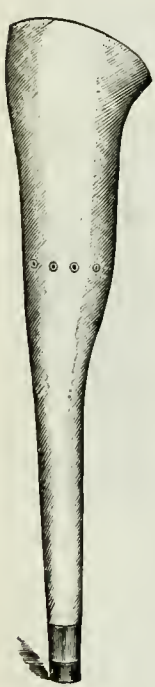
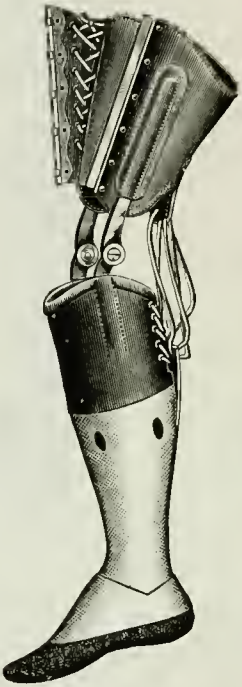

R-295


R-300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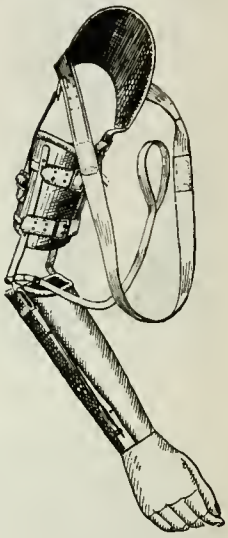

R-310

ARTIFICIAL LIMBS, ETC.

R-295 Peg leg for thigh amputation. With or without knee joint. Brass ferrule and rubber bottom. Complete with shoulder straps.....$35 00 to $50 00

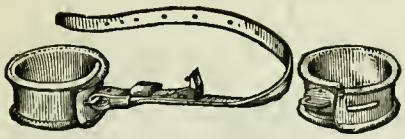
R-300 Artificial leg for thigh amputation. Made with wood, leather or patent slip socket. Complete with shoulder straps and stump sock.....$85 00 to $100 00

R-305 Artificial leg for amputation below knee. Made with wood, leather or patent slip socket. Complete with shoulder straps and stump sock.....$75 00 to $100 00

Unless specified otherwise we furnish all artificial limbs with patented felt foot and cordless ankle joint. We also make wood and rubber feet with or without ankle joint.

R-310 Artificial arm with detachable hand furnished with hook, fork and brush.$40 00 to $100 00

Write for our complete catalogue of artificial limbs and measuring blanks. Describe your case in detail.



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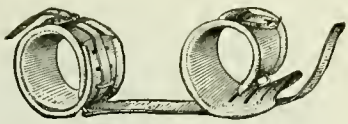

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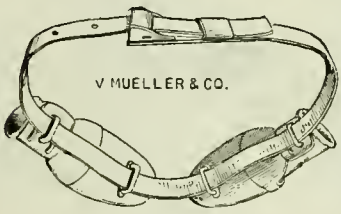

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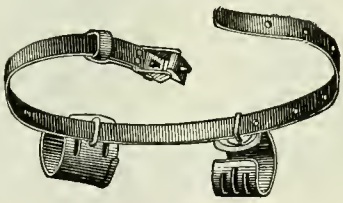

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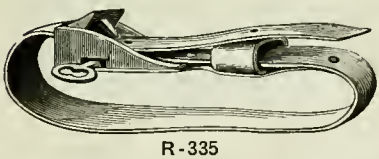

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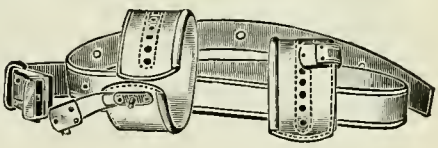

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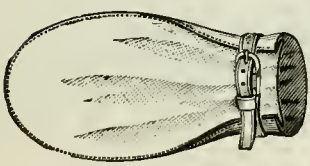

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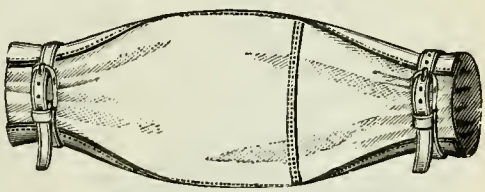

R-350

HUMANE RESTRAINT APPARATUS



R-355

R-315	Anklets with large buckle, net	$6 00
R-320	Anklets with small buckle, net	6 00
R-325	Leather mitts and waist strap, net	8 00
R-330	Wristlets lined with best buckskin, net	5 50
R-335	Waist strap with buckle lock, net	2 50
R-340	Lock wristlet will fit any size wrist, net	5 50
R-345	Canvas mitt and waist strap, net	5 00
R-350	Canvas muff with waist strap, net	5 00
	These mitts and muff are of drab canvas and washable, wrists are lined with buckskin.	
R-355	Strait-jacket made of heavy duck	7 50

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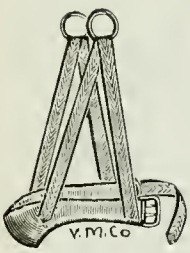
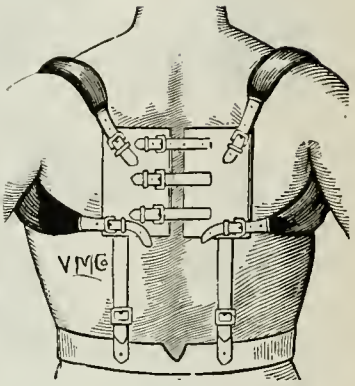


R-360



R-365



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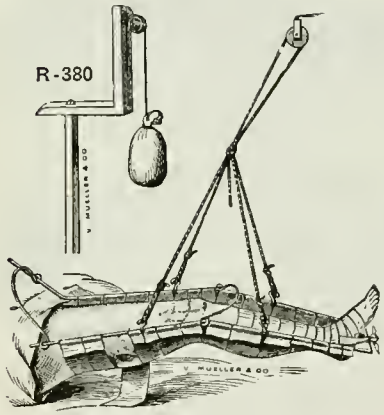

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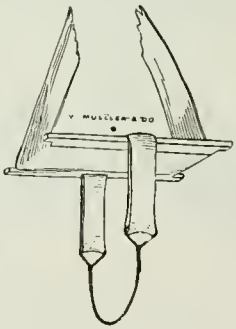

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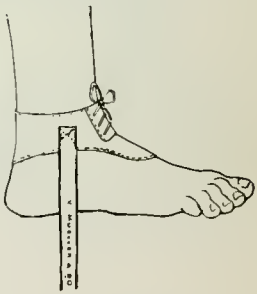

R-375

FRACTURE AND EXTENSION APPARATUS

R-360 Graham's extension for use in cervical Pott's disease..... $3 50

R-365 Hamilton's splint for the inferior maxilary, consists of a leather strap passing under the chin and buckled over the top of the head. It is stayed by two counter straps of webbing, one passing horizontally around, and the other over the top of the head..... 4 00

R-370 Sayre's clavicle splint..... 4 50

R-375 Leather anklet with straps for use in connection with Buck's extension in cases of tubercular knee or hip..... 1 50

R-380 Extension to be attached to the foot of the bed with rope and pulley..... 1 50

R-385 Extension for use in connection with fractures, contractions or tubercular joints.. 1 00

R-390 Hodgen's suspension splint, plain wire with cord and pulley, $3 50, made out of square tubing and adjustable in every direction..... 7 50

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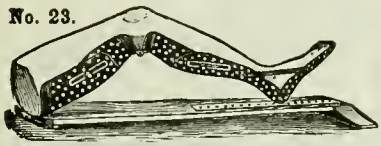
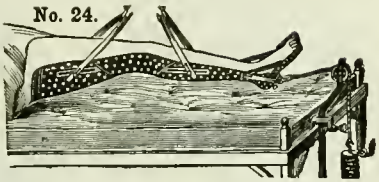
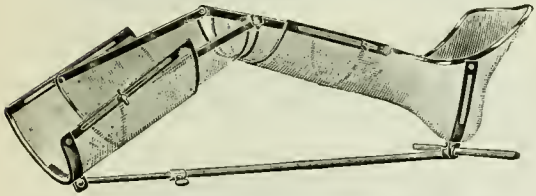


R-395



R-400



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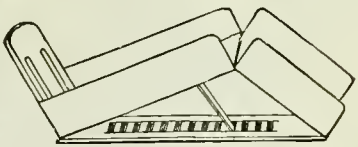
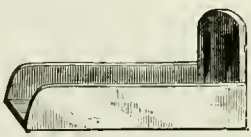


R-410



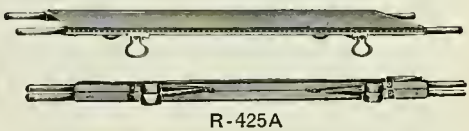
R-425



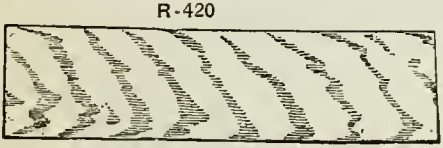
R-415



R-420



R-425A



R-430



R-435

SPLINTS AND SPLINT MATERIAL

R-395	Lee's double inclined Plane splint	$5 00
R-400	Lee's combined suspension splint	5 00
R-405	DePuy's combination splint, for adults or children, each	10 00
R-410	Fracture box, double inclined Plane, sides of box on hinges	5 50
R-415	Fracture box, plain, foot board slotted for extension, sides of box on hinges	3 50
R-420	Walker's fore-arm splints are made in 5 sizes, rights and lefts, set of 10 splints	7 50
	Single splint, each, any size	1 00
R-425	Combination cot and stretcher, folded it is 7 ft. long by about 4 inches square. It ls covered with 14 oz. army duck and weighs 15 lbs	3 00
R-425A	U. S. A. stretcher, without slings	8 25
	Extra for slings	2 00
R-430	Coaptation splints, plan, per dozen splints	60
R-435	Splint material, wood fibre, can be molded after being inserted in hot water for a few minutes, sold in sheets about 24x36	1 25

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-440

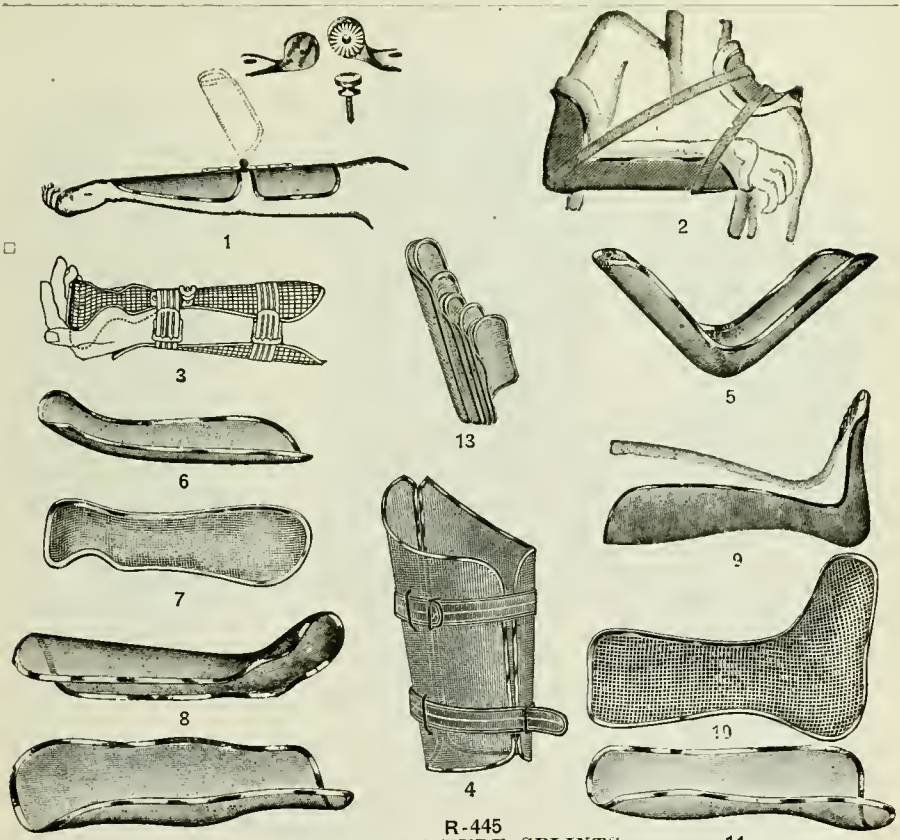
LEE'S METAL SPLINTS

R-440 Lee's metallic perforated splints.

Figures 1, 8, 9, 12, 13, 14, 15, 16, 18, 19, 20, and 21, each	$1 00
Figures 5, 6, and 11, each	75
Figure 4, each	15
Figure 22, each	1 50

We carry these splints in stock in two sizes, adults and children's. Send for circular and prices on complete sets.

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-445

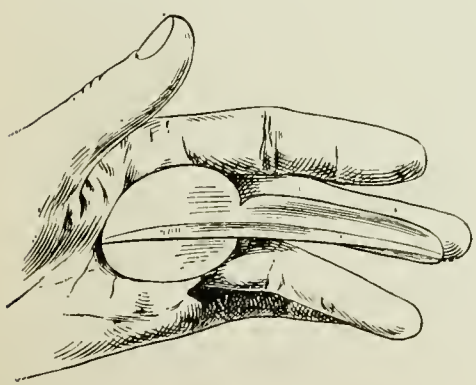
ADJUSTABLE WIRE SPLINTS

R-445 DePuy's adjustable wire splints.

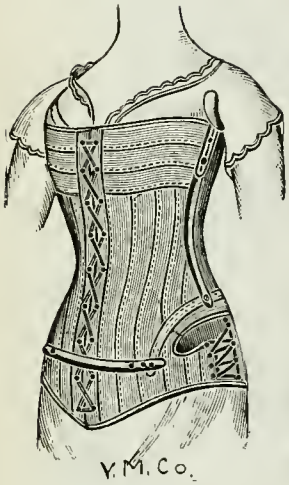
Figure 1, elbow, adjustable, adults' and children's, each	$1 50
Figure 2, Hawes' clavicle, adults' and children's, each	2 00
Figure 3, Colles fracture, adults and children, each	2 50
Figure 4, Femur, special, adults $2 00; children's $1 50; infants'	1 00
Figure 5. Adult posterior	1 00
Children	75
Figure 6, Forearm, adult posterior, right and left, each	1 00
Figure 7, Radius, right or left, adult.	1 00
Children	75
Figure 8, Tibia and Fibula, adult anterior	1 00
Children	75
Figure 9, Tibia and Fibula, adult posterior	1 25
Children	1 00
Figure 10, External ankle, right or left Adult	1 00
Children	75
Internal ankle, right or left, adult	1 00
Children	75
Figure 11, Patella adult posterior	1 00
Children	75
Figure 12, Patella, adult anterior $1 00; children	75
Figure 13, Set Coaptation splints, 10 pieces in set	2 00

Send for circular and prices of complete sets.

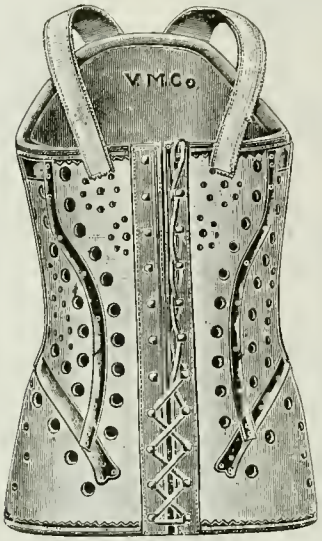
R-245A Aluminum finger splint, each, dozen	20



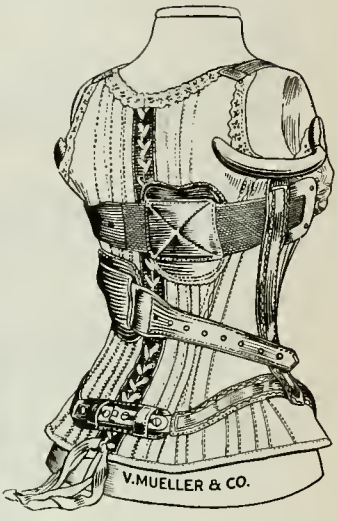
R-245A



R-450



R-460



R-455

ORTHOPEDIC APPARATUS

R-450 Vienna spinal corset can be used in the treatment of either scoliosis or kyphosis, but it is mostly to be recommended for the former deformity. The appliance is made of strong cloth and spring steel work, except the pelvic portion where the steel should be malleable. It is laced front and back admitting of easy removal or application. Axillary crutches support the trunk, and the careful fitting of the steel parts over the hips gives a good foundation to a proper corrective force. If the patient cannot come to our establisment for fitting, a plaster cast of the body, which must extend low down over the pelvis, is absolutely necessary in order to guarantee a good fit, $35 00 to..... 45 00

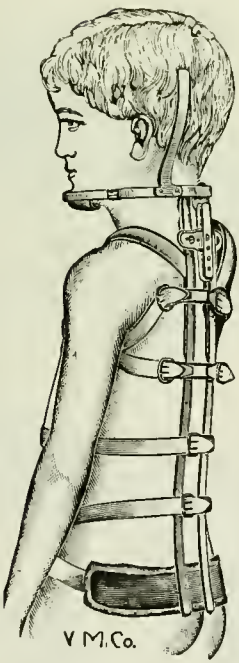
R-455 V. Mueller & Co.'s extension corset brace for lateral and posterior curvatures. This corset is made of strong gray coutille, reinforced with whalebone strips. A steel pelvic band, adjustable over the sacrum, is curved to fit over the crest of ilium, so that the weight of the extension crutches rests on the soft parts. The crutches are adjustable and may be extended as the growth of the patient or the improvement in the case may require. A broad band of strong elastic webbing carrying a flat pad is attached to one of the side uprights, and passing round the back is attached to the upright on the opposite side. In some cases two of these elastic bands are required, especially when the spine is rotated. In Pott's disease they are placed in an entirely different position from those shown in illustration. A constant elastic pressure is exterted upon the protuberance by this method, which is more effective and less irksome than the screw mechanism and steel pads employed in most of the spinal apparatus now in use. If it is impossible to send the patient to us for fitting, a plaster cast of the body must be sent us, in order to insure a perfect fit and obtain the best results, $40 00 to.... 50 00

R-460 Perforated leather jacket reinforced with steel bands for antero-posterior curvature of the spine. Where necessary we add to this corset, crutches same as described in figure 450. Owing to the fact however, that such an apparatus cannot be enlarged we do not recommend same in cases of growing children. Plaster cast is necessary, $30 00 to..... 40 00

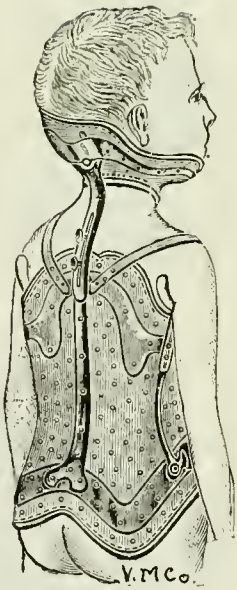
Do not mutilate catalogue.—Specify section letter and number in ordering.



R-465



R-475



R-470

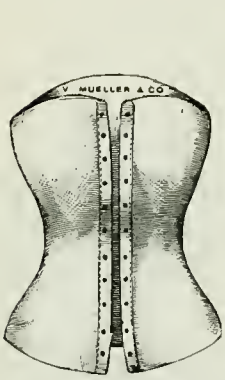
ORTHOPEDIC APPARATUS

R-465 Vienna spinal corset. This is practically the same apparatus as our R-450 with the addition of a head rest in cases of torticollis or Pott's disease.
For this apparatus the same measurements are required as for R-450 and in addition a plaster cast of the neck right up under the ears and around chin, in order that we may be able to mold the leather collar for head rest, $60 00 to.....$75 00

R-470 Sole leather jacket for use in cases of Pott's disease, torticollis, etc. This jacket is reinforced with steel bands and crutches for the purpose of extension are added when necessary. In order to make such an apparatus we require a carefully prepared plaster cast of the body, neck and lower part of the head. In case of this kind, however, it is more satisfactory if the patient can be sent to us for fitting, $60 00 to..... 75 00

R-475 Taylor's brace for posterior curvature with attachment for diseased cervical region. It consists of a semi pelvic band well padded, two steel spinal uprights fitting on each side of the spinous processes, two horizontal steel bars crossing the uprights at the scapulae, and two padded steel pieces attached to the uprights, fitted to embrace the neck firmly, two shoulder straps fastened to these curved pieces, passing over the shoulders under the axillaes and buckling to the upper horizontal bar. An apron in front is attached to the lower horizontal bar and pelvic band to sustain the abdomen and exert pressure, without head rest, $25 00 to 30 00

With head rest, $40 00 to 45 00



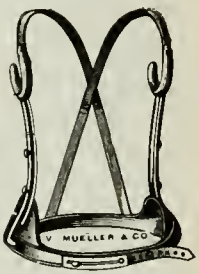
R-480



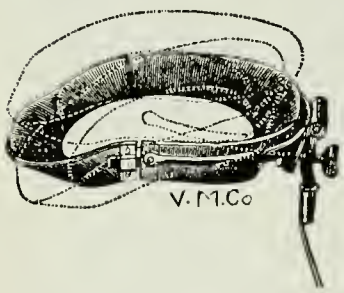
R-510



R-505



R-485



R-490



R-495



R-500

ORTHOPEDIC APPARATUS

R-480 Plaster Paris jacket.
Where surgeons furnish us the jacket we will cover same and sew on front and edges leather strips, also hooks or eye-lets for lacing..... $5 50

R-485 Plain spinal extension apparatus for use in Pott's disease, $20 00 to..... 25 00

R-490 Washburn's head rest, can be attached to either a Taylor spinal brace, sole leather jacket or plaster Paris cast, in cases of wry-neck. Consists of a well padded metal collar which is made in two parts, therefore can be easily applied and removed. The joints in the rear are so arranged that the head can be given free antero- posterior as well as rotary motion as shown by the dotted lines, $20 00 to 25 00

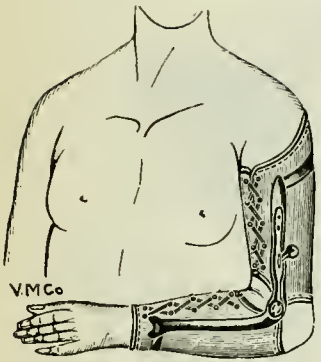
R-495 V. Mueller & Co.'s apparatus for torticollis. This apparatus consists of a well padded collar for the neck and chest, and a well fitting collar for the head, which is made over a plaster cast. On each side of the neck as well as in front is an arrangement by means of which extension can be secured. This apparatus is the most effective and can be worn with the least discomfort to the patient. In order to secure an accurate fit the patient should be sent to our establishment, $30 00 to $35 00

R-500 Robert's apparatus for torticollis, $25 00 to..... 35 00

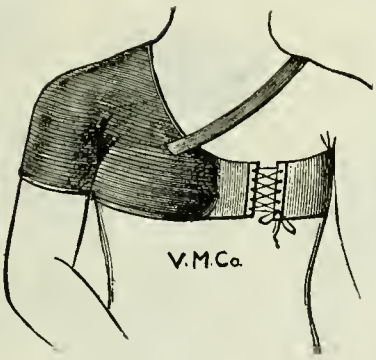
R-505 Sayre's jury mast for incorporation in a plaster jacket..... 12 00

R-510 Sayre's suspension apparatus with plain pulleys..... 9 00

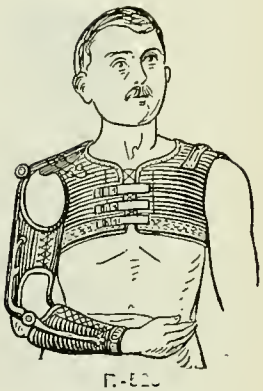
Do not mutilate catalogue.—Specify section letter and number in ordering.



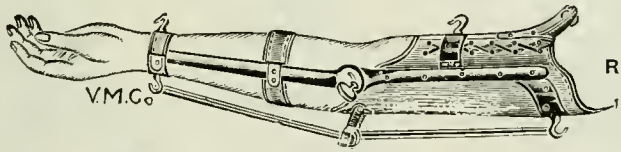
R-515

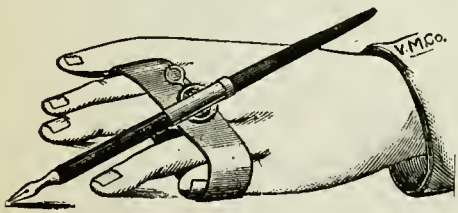


R-525

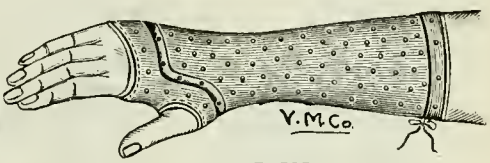


R-530





R-540



R-535

ORTHOPEDIC APPARATUS

R-515 Apparatus for use in ununited fracture in cases of flail joint, etc. Made of light sole leather molded over a carefully prepared cast. Light steel bars with a lock at the joint where it is indicated, $40 00 to $65 00

R-520 Billroth's apparatus for habitual luxation of shoulder joint. It is also indicated in tubercular cases and ununited fractures, etc., $60 00 to 75 00

R-525 Elastic shoulder piece, for preventing dislocation of shoulder joint. This apparatus is to be worn after reduction of a dislocated humerus, to guard against recurrence. It is made of silk elastic, with a suitable shoulder cap.
Directions for measurement: 1. Patient's weight. 2. Right or left shoulder. 3. Circumference of arm. 4. Circumference axilla to acromion. 5. Circumference of chest under axilla.
Medium 7 50
Large 9 00

R-530 V. Mueller & Co.'s apparatus for use in cases with contracted muscles or where the joints are ankylosed. The apparatus is so arranged that traction can be used either on the inside by means of elastic straps or on the outside by means of steel springs, etc., $45 00 to 60 00

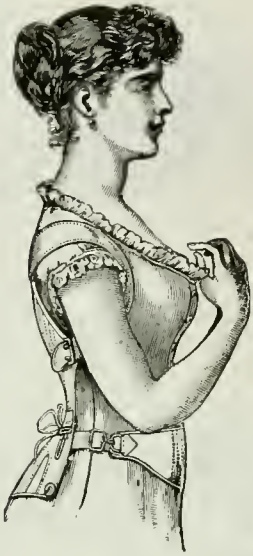
R-535 Wrist and hand piece, made of light perforated sole leather, reinforced with light steel springs where indicated. This is to be recommended in cases of subluxation of the joint after fractures and sprains, etc., $8 00 to 12 50

R-540 Nussbaum's apparatus for writer's cramp. The appliance consists of an obliquely oval ring to which a pen holder is fastened in such a position that the pen will easily touch the writing paper when the hand is rested upon the desk. Make a tracing of the hand on paper, taken while all fingers are fully extended and send with order 8 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



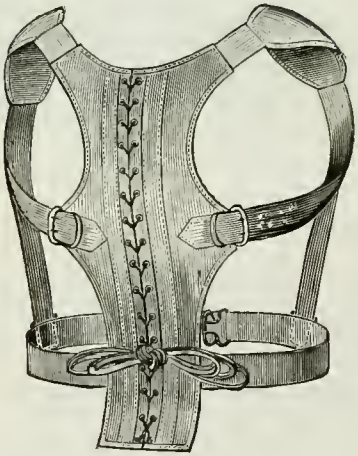
R-545



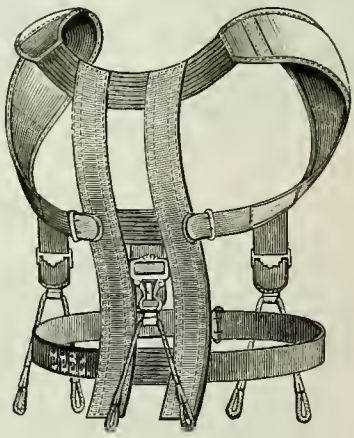
R-550



R-550A



R-555



R-560

SHOULDER BRACES

R-545 Gray shoulder brace with suspenders, boys' $3 00, youths' $3 50, men's..... $3 75
R-550 and R-550A Gray's back supporting shoulder brace for ladies, 3 sizes, each..... 2 25
R-555 Corset back shoulder brace, japanned springs, covered with fine jean, sizes 10 to 19 inches back 1 75
R-560 Steel spring, leather covered japanned springs, sateen shoulder caps, sizes from 10 to 19 inches back..... 2 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-565



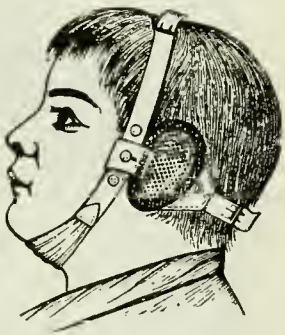
R-570



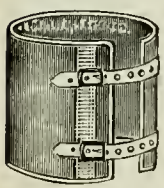
R-575



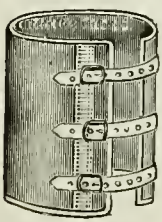
R-580



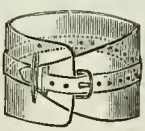
R-585



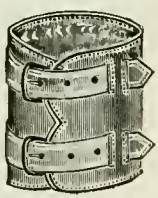
R-590



R-595



R-600

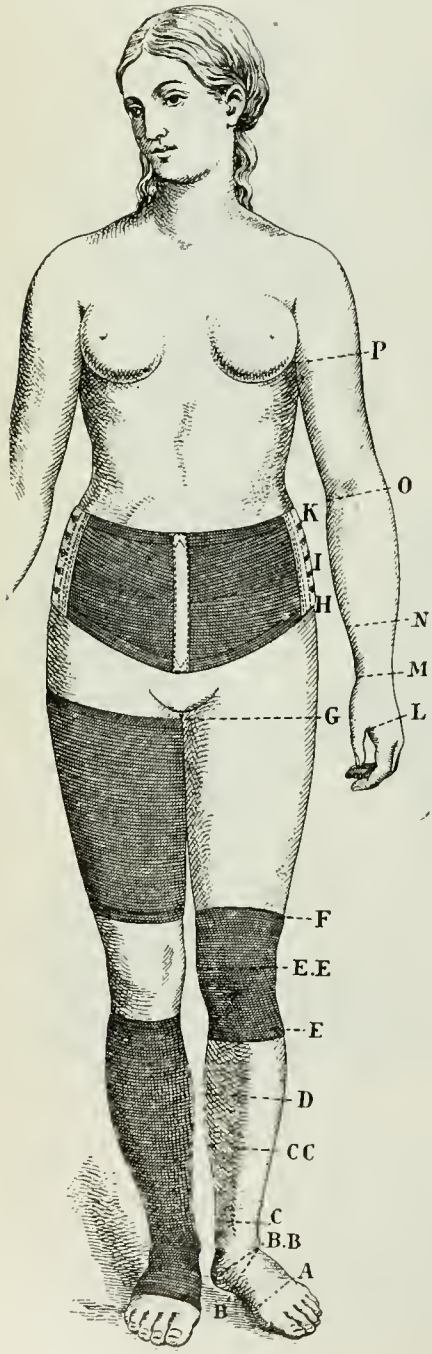


R-605

SHOULDER BRACES, WRISTLETS, ETC.

R-565	Upright shoulder brace, latest model, reinforced, men's and boys', each	$2 00
R-570	Upright shoulder brace, latest model, reinforced, women's and girls'	1 75
R-575	Apparatus to prevent mouth breathing during sleep, made in two sizes, each	1 00
R-580	Universal ear cap to prevent projecting ears	1 00
R-585	Apparatus to prevent projecting ears, specially adapted for boys, made in two sizes, each	1 50
R-590	Wristlet made of coutille or leather, reinforced with whalebone stays	75
R-595	Wristlet and arm piece, made of coutille or leather, reinforced with whalebone stays, $1 00 to	1 50
R 600	Leather wristlet, single buckle	60
R-605	Leather wristlet, double buckle	75

Do not mutilate catalogue.—Specify section letter and number in ordering.



ELASTIC STOCKINGS, BELTS, AND SUPPORTERS

Prices to patients for single stockings or pieces.

An additional charge always made for extra large sizes.

	Prices for pieces not pairs.	Each.
R-610	Thigh hose, extra heavy, silk	$9 00
R-615	Thigh hose, fine silk	7 50
R 320	Thigh hose, cotton	5 75
R-625	Half thigh hose, extra heavy, silk	7 75
R-630	Half thigh hose, fine silk	6 75
R-635	Half thigh hose, cotton	4 25
R-640	Thigh legging, extra heavy, silk	7 50
R-645	Thigh legging, fine silk	6 00
R-650	Thigh legging, cotton	5 25
R-655	Thigh knee cap, extra heavy, silk	5 00
R-670	Thigh knee cap, fine silk	4 00
R-675	Thigh knee cap, cotton	3 50
R-680	Thigh piece, extra heavy silk	3 00
R-685	Thigh piece, fine silk	2 50
R-690	Thigh piece, cotton	2 25
R-695	Knee stocking, extra heavy, silk	6 50
R-700	Knee stocking, fine silk	5 00
R-705	Knee stocking, cotton	3 75
R-710	Knee legging, extra heavy, silk	5 00
R-715	Knee legging, fine silk	4 00
R-720	Knee legging, cotton	3 50
R-725	Knee cap, extra heavy, silk	2 50
R-730	Knee cap, fine silk	2 00
R-735	Knee cap, cotton	1 75
R-740	Garter stocking, extra heavy, silk	4 00
R-745	Garter stocking, fine silk	3 00
R-750	Garter stocking, cotton	2 50
R-755	Garter legging, extra heavy, silk	2 50
R-760	Garter legging, fine silk	2 00
R-765	Garter legging, cotton	1 75
R-770	Anklet, extra heavy, silk	2 50
R-775	Anklet, fine silk	2 00
R-780	Anklet, cotton	1 75
R-785	Wristlets, silk	$1 00 to 2 00
R-790	Wristlets, with hand piece, fine silk	2 00
R-795	Wristlets, with hand piece heavy silk	2 50
R-800	Shoulder cap, heavy silk	9 00
R-805	Shoulder cap, fine silk	7 50
R-810	Shoulder cap, cotton	6 00
R-815	Supporters, abdominal, silk $10 00 to	20 00
R-820	Supporters, abdominal, cotton, $8 00 to	15 00

GENERAL DIRECTIONS

For Special Measures of Hosiery, etc.

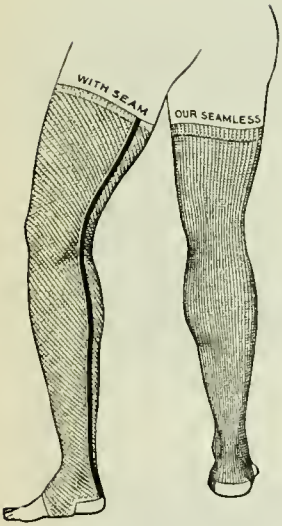
Take the *exact* circumference of the parts you want covered, at points indicated by letters on proper illustration, and *always* give separate lengths or depths called for by diagram. Give exact measures, as we make necessary allowances for compression which varies according to style of belt wanted and condition of abdomen. These goods are all made to order; none of the orders are filled from stock and are not returnable.

Do not mutilate catalogue.—Specify section letter and number in ordering.

THE ROMPLER SEAMLESS STOCKING

MADE TO ORDER ONLY

Time needed for delivery, one week



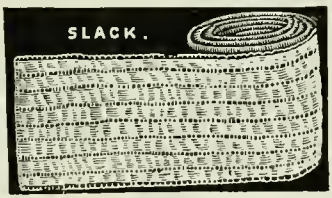
Possesses all the advantages of the old kind, but is woven absolutely *without* seam and so does not chafe the heel or cause uneven pressure at the joints.

There is no binding to ravel or wear out.

They will not tear while pulling on, and will outwear any other stocking made.

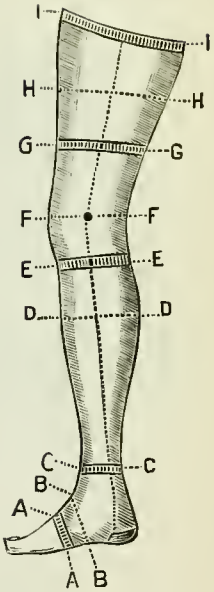
A perfect support for varicose veins or weak joints, giving an even pressure without constriction at any point.

Made in all lengths of the best quality of silk or linen.



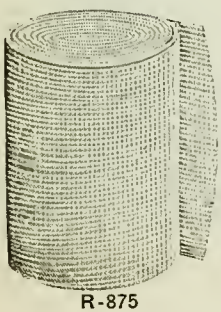
R-880B

Randolph Elastic Bandage is made like our "Randolph" supporter of covered rubber and soft lisle threads, affording the necessary pressure. The open weave material produces a light, porous and much stronger bandage than that made of rubber uncovered.

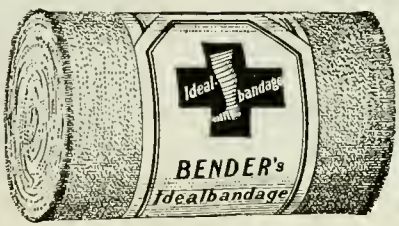


PRICES

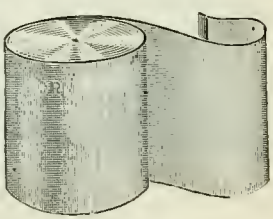
2	in. x 3 yds.	(stretched)	$0 35	3	in. x 5 yds.	(stretched)	$1 75
2½	in. x 3 yds.	(stretched)	45	2	in. x 8 yds.	(stretched)	85
3	in. x 3 yds.	(stretched)	60	2½	in. x 8 yds.	(stretched)	1 00
2	in. x 5 yds.	(stretched)	50	3	in. x 8 yds.	(stretched)	1 30
2½	in. x 5 yds.	(stretched)	60				



R-875



R-880



R-880A

ELASTIC STOCKINGS AND BANDAGES

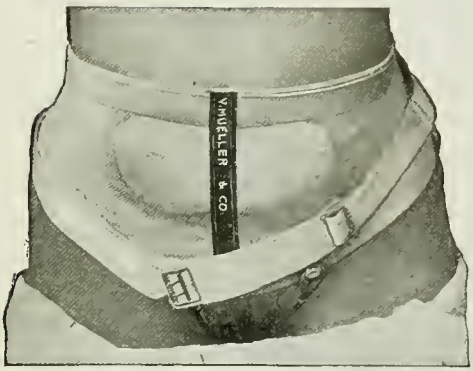
		Linen	Heavy Silk	Fine Silk
R-825	Rompler's seamless anklet, A to C	$2 50	$2 75	$3 00
R-830	Rompler's seamless knee caps, E to G	2 75	3 00	3 50
R-835	Rompler's seamless garter hose, A to E	4 00	4 50	5 00
R-840	Rompler's seamless knee hose, A to H	6 50	7 75	8 75
R-845	Rompler's seamless thigh hose, A to I	8 75	10 00	11 00
R-850	Rompler's seamless garter legging, C to E	2 75	3 00	3 50
R-855	Rompler's seamless knee legging, C to H	5 25	6 00	7 00
R-860	Rompler's seamless thigh legging, C to I	7 00	8 25	9 25
R-865	Rompler's seamless thigh piece, G to I	3 50	4 00	4 50
R-870	Rompler's seamless wristlet	1 00	1 25	1 50

These prices are to patients for single pieces. An additional charge is always made for extra large sizes.

R-875 Senn's elastic webbing, grey, made in three widths, 2, 2½ and 3 inches, per yard $0 25, $0 30 and $0 35

R-880 Bender's Ideal Bandage, measures 6 yards in length when stretched, made in 6 widths from 2 to 8 inches, per dozen from $5 20 to 18 00

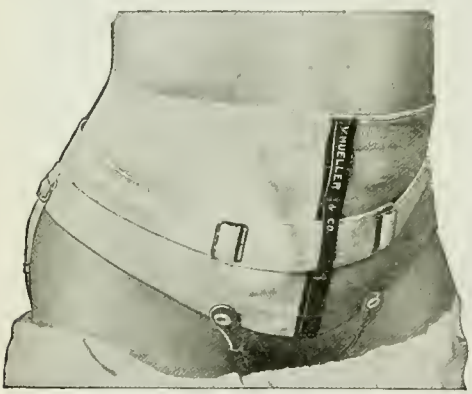
R-880A Pure gum bandage with tapes attached. Pure gum bandages are sold by weight and the price is subject to market fluctuation. Made 2, 2½, and 3 inches wide, length 6, 9 and 15 feet.
Present market price, per oz 50



R-885



R-890



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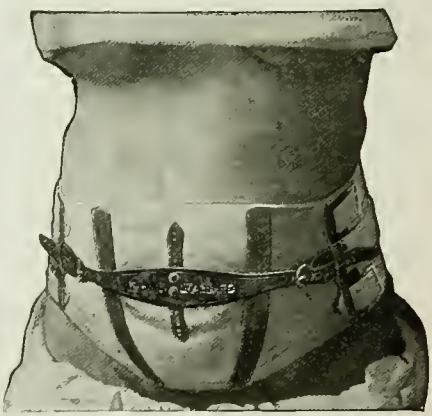


R-900

SPECIAL ABDOMINAL SUPPORTERS MADE TO ORDER

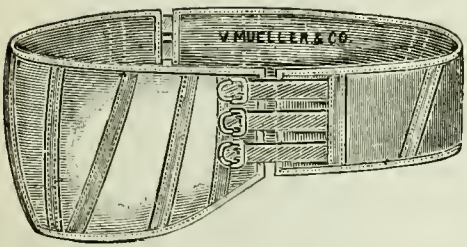
R-885 Abdominal supporter elastic, with pad to support abdomen after operation, cotton, $8 00 to.....$12 00
Heavy silk, $12 00 to..... 15 00

R-890 Abdominal supporter, elastic, with pad for floating kidney, cotton, $8 00 to..... 12 00
Heavy silk, $12 00 to..... 15 00

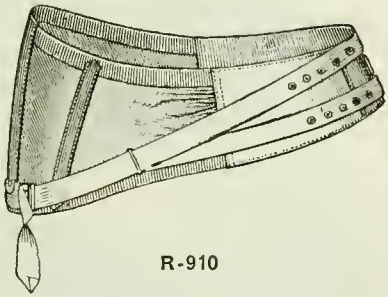
R-895 Abdominal supporter, elastic, with pad for use after operation for appendicitis, cotton, $8 00 to..... 12 00
Heavy silk, $12 00 to..... 15 00

R-900 Abdominal supporter, elastic, combined with hard rubber bow umbilical truss cotton, $10 00 to..... 15 00
Heavy silk, $12 00 to..... 18 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-905



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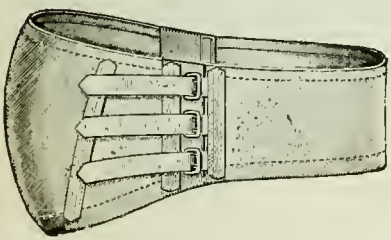

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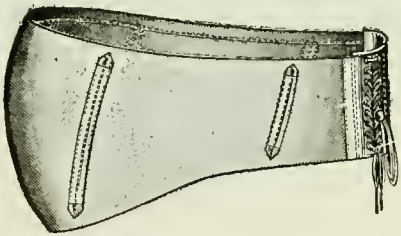
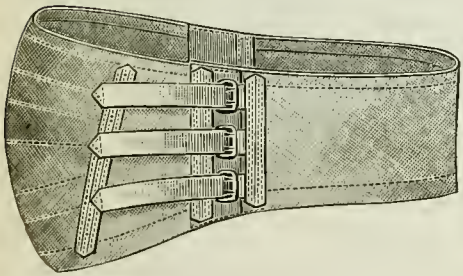


R-920



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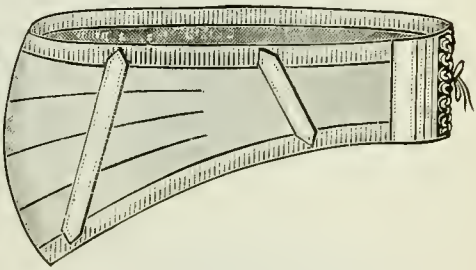


R-930

ABDOMINAL SUPPORTERS

R-905 Murphy's abdominal supporter, made of light canvas lined with sateen..... $4 00

R-910 Abdominal supporter, Teufel's pattern, with lift-up strap..... 4 00

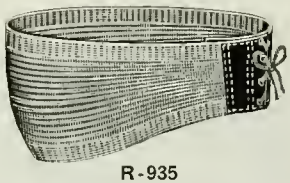
R-915 Abdominal supporter, with buckles on side, recommended for men, cotton, $5 00, silk 7 50

R-920 Abdominal supporter, laced in back, a substantial and well shaped supporter, cotton $5 00; silk..... 7 50

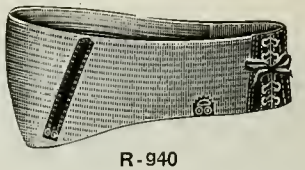
R-925 Elastic abdominal supporter, made to order, woven to fit accurately and of superior quality, buckles on side, recommended for men, heavy cotton, $8 00 to $10 00, heavy silk, $10 00 to..... 15 00

R-930 Elastic abdominal supporter, made to order, woven to fit accurately and of superior quality, laced in the back, heavy cotton, $8 00 to $10 00, heavy silk $10 00 to 15 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-935



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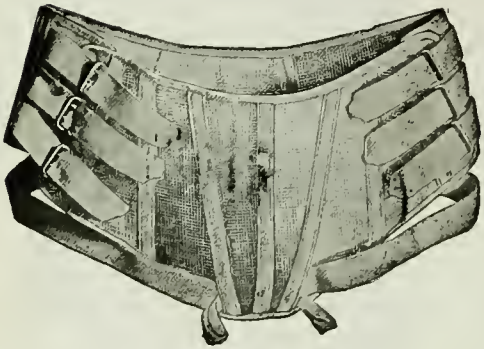

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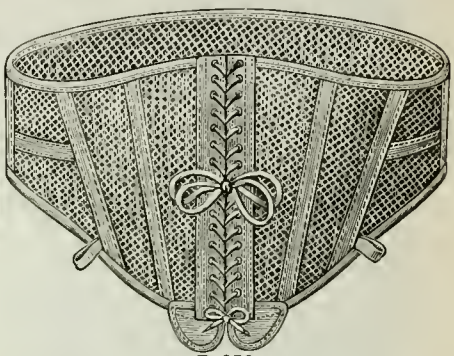
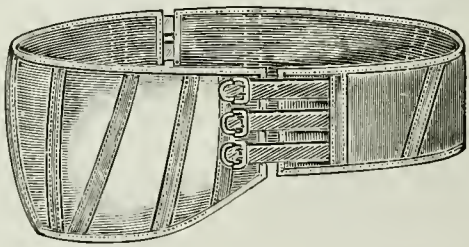


R-950



R-945

ABDOMINAL SUPPORTERS

R-935 Randolph covered elastic abdominal supporter, made in three widths, 8, 10 and 12 inches, $2 50, $2 75 and..... $3 00
Rubber perineal straps and suitable loops for same can be attached for $0 25 additional.

R-940 V. Mueller & Co's covered elastic abdominal supporter, made in three widths, 8 10 and 12 inches, $4 00, $5 00 and..... 6 00
Understraps and loops $0 25 extra.

This supporter is made of the best quality mercerized Sea Island cotton, which is far superior in wearing quality to anything here-to fore offered. The supporter is pink in color and is trimmed with leather of the same shade. It is particularly recommended for patients with large and pendulous abdomen.

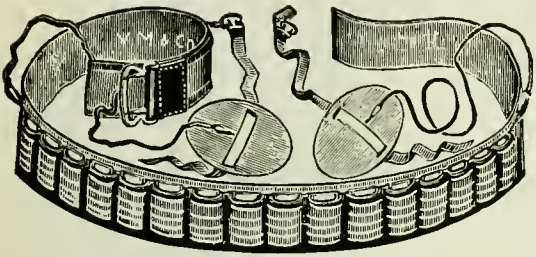
R-945 Abdominal supporter, genuine moleskin, regular..... 3 00
Made of extra quality moleskin with silk facing, loops and elastic understraps.. 5 00

This supporter is specially adapted for obesity and postoperative use in men.

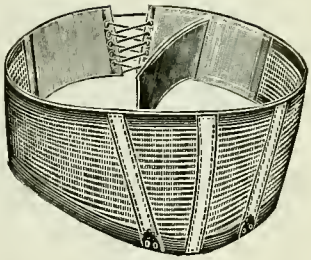
R-950 Linen mesh supporter, laced front. This supporter can be slipped under the patient while in a recumbent position, and due allowance can be made for the necessary dressings. There are no buckles or lace in back or sides..... 4 00

R-955 Linen mesh supporter, with lisle web straps and protected buckles, no elastic. These supporters are cool and comfortable, the open mesh allows free circulation and readily absorbs and eliminates the body moisture; they can be washed the same as any other article of underwear..... 4 00
Understraps can be furnished for R-950 and R-955 at $0 25 a pair.

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-990



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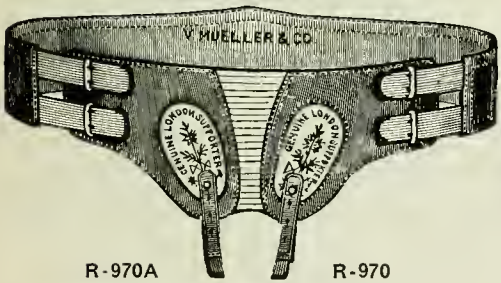
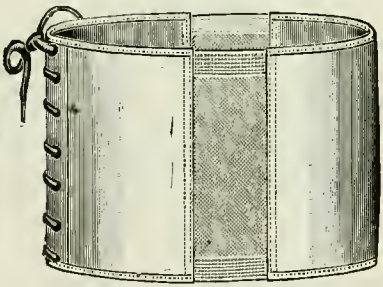
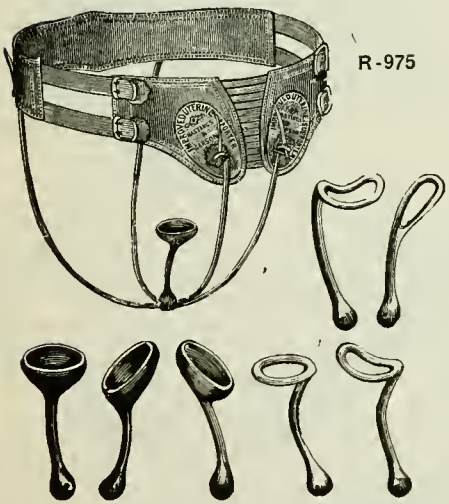


R-970A R-970



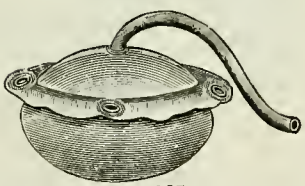
R-965



R-975



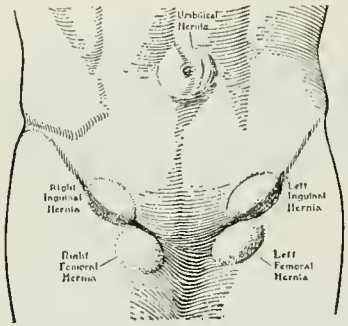
R-980



R-985

SUPPORTERS, PADS, ETC.

R-960	V. Mueller & Co.'s abdominal supporter, laced in back, silk front	$4 50
	Same as above, cotton front	2 75
R-965	Supporter for use after operation for gall stones, etc. When indicated this supporter is supplied with shoulder straps and a pad over the wound. It is also to be recommended for children afflicted with whooping cough, $4 00 to	6 00
R-970	London abdominal supporter, ordinary	2 00
R-970A	London abdominal supporter, made of good leather and sateen with elastic understraps. This supporter is specially recommended for use after a hernia operation	3 50
R-975	McIntosh natural uterine supporter, supplied with any one of the stems or cups illustrated	3 00
	Extra cups or stems, each	60
R-980	Kidney pad, chamois covered	60
R-985	Dunning's kidney pad, rubber inflatable	1 25
R-990	The Safety double strength electric belt. Prices according to the grade of finish, $5.00 to	10 00



R-995



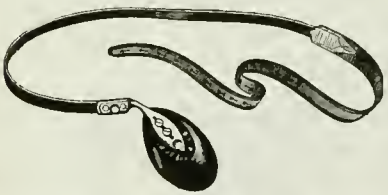
R-1000

FIGURE 995 AND FIGURE 1000 FOR REFERENCE ONLY

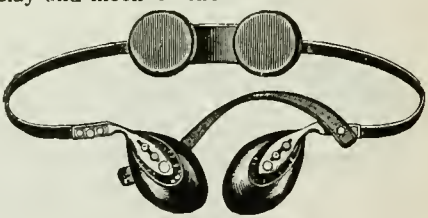
R-995 Illustrates the positions of the most Common Hernias such as Umbilical Hernia, Right Inguinal Hernia, Left Inguinal Hernia, Right Femoral Hernia, Left Femoral Hernia and Scrotal Hernia. When ordering a truss for your patient please always state for which of the above mentioned ruptures the truss is intended.

R-1000 Illustrates the position in which a truss is ordinarily applied. When ordering a truss please send us the measurements around the hips as indicated by this figure and not around the waist.

By observing these rules you will save delay and inconvenience.



R-1005



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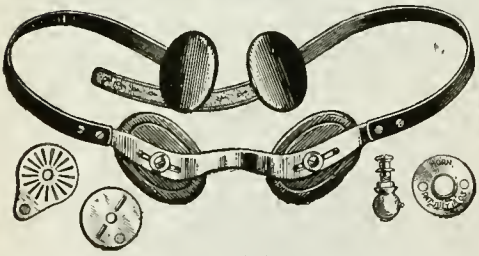

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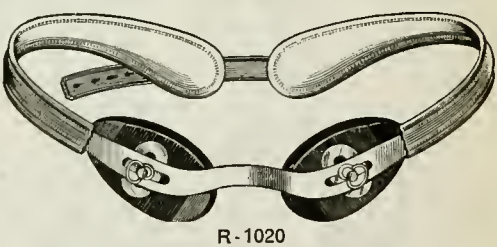


R-1020

TRUSSES FOR HERNIA

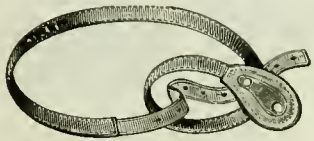
R-1005 Chase genuine hard rubber truss with wrought or brass necks, nickel-plated, supplied with genuine hard rubber pads, not wooden pads. The brass necks allow of bending and adjustment $3 00

R-1010 Chase genuine hard rubber truss, double, with spring back pad, otherwise same as R-1005 ..... 4 50

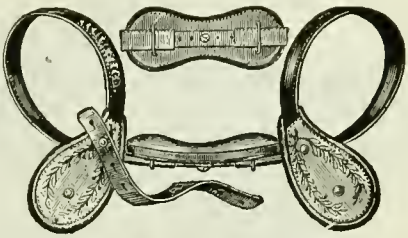
R-1015 Hood Security ball and socket or clutch joint pin fixture adjustment, double truss. Can be fitted with hard rubber, compo, or water pads. This truss can be used both for single or double ruptures. When used for single rupture a small so-called blind pad is attached to the side not injured. Price of truss for single rupture 5 00

Price of truss for double rupture 6 00

R-1020 V. Mueller & Co.'s modified Hood truss, with clutch joint pin fixture and well shaped steel springs leather covered. Can be fitted for single or double ruptures, and supplied with hard rubber compo, or water pads. Single $4 50, double 5 50



R-1025



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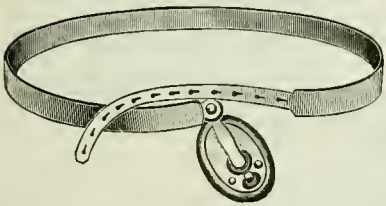

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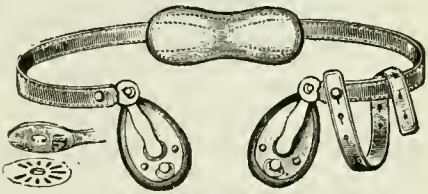

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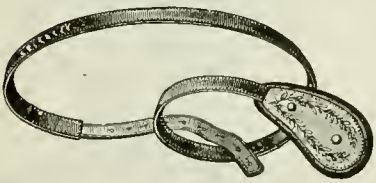

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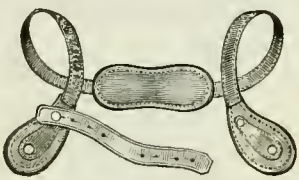
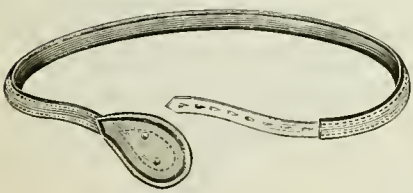


R-1050



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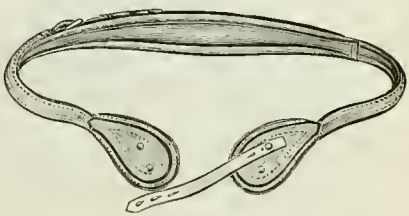


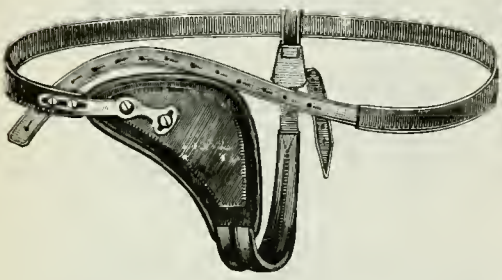
R-1060

TRUSSES FOR HERNIA

R-1025 Extra fine French truss, leather covered, pads filled with curled hair, single..... $2 50
R-1030 Extra fine French truss, same as above, double..... 3 50
R-1035 V. Mueller & Co.'s reversible Chase improved truss, leather covered spring, supplied with hard rubber or water pads, single..... 2 75
R-1040 V. Mueller & Co.'s Improved Chase truss, with hard rubber or water pads, double. 4 50
R-1045 Extra fine French truss with steel springs lacquered and covered with fine white kid specially made for us for ladies' use..... 2 50
R-1050 Extra fine French truss with steel springs lacquered and covered with fine white kid, double 4 00
R-1055 V. Mueller & Co.'s special imported truss for inguinal hernia, covered with soft olive green moleskin on the inside and fine French kid on the outside. We can recommend this truss highly for very particular patients..... 3 75
R-1060 V. Mueller & Co.'s special Imported truss for inguinal hernia, same as above, double 6 00

Trusses constructed of the same material as R-1055 can also be furnished with scrotal pads at an additional expense of $1.00.

Do not mutilate catalogue.—Specify section letter and number in ordering.



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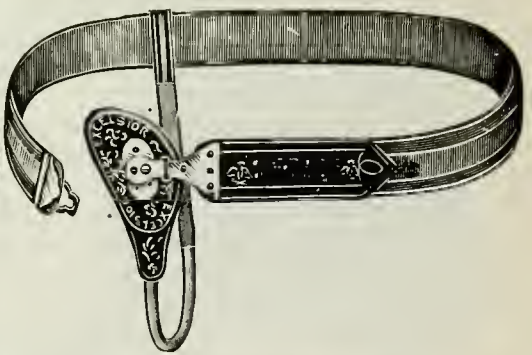

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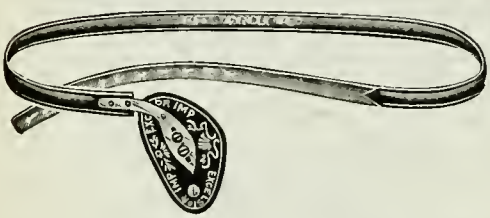

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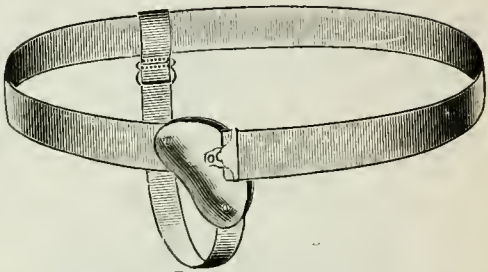
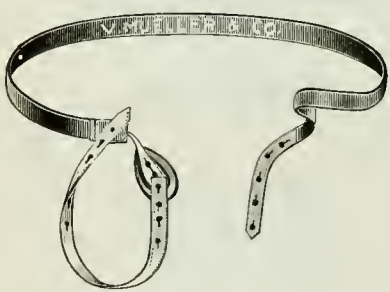
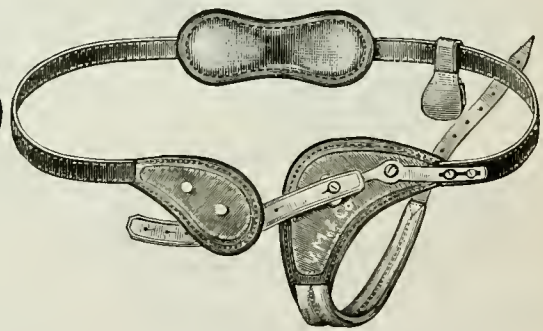


R-1080



R-1085A



R-1085

TRUSSES FOR HERNIA

R-1065 Adjustable French leather covered truss with understrap for scrotal hernia extra quality $3 50
Regular quality, non-adjustable 2 75
Double, extra quality, adjustable 6 00
Regular quality, double, non-adjustable 5 00

R-1070 Elastic truss with leather covered scrotal pad. This truss is very strongly made and is advisable in case of hernia for very old people, who cannot stand the spring pressure, single $2 75; double 3 75

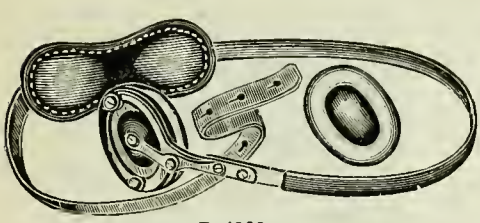
R-1075 Improved fine French adjustable truss with water pad extra quality single $2 50; double 4 00

R-1080 Excelsior elastic truss with kidney shaped water pad, single $2 00; double 3 00

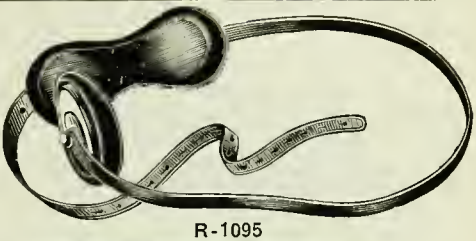
R-1085 Combination double truss, illustrating on one side a large pad for a scrotal rupture and on the other side an ordinary inguinal pad. Such trusses are made to order only according to descriptions and measurements furnished by the doctor, at prices according to the difficulties of the case, from $7 50 to 12 00

R-1085A V. Mueller & Co.'s improved truss for femoral hernia, with hard rubber or water pad and under-strap 3 00
The neck of this truss is made of soft copper wire and therefore easily adjustable.

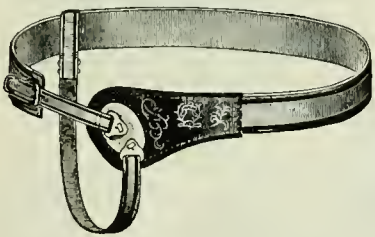
Do not mutilate catalogue.—Specify section letter and number in ordering.



R-1090



R-1095



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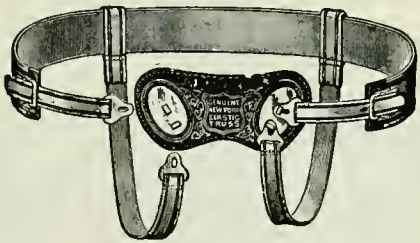
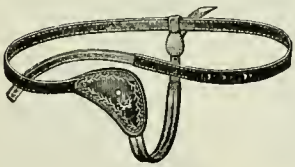
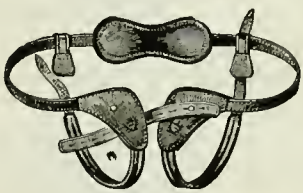


R-1105



R-1110



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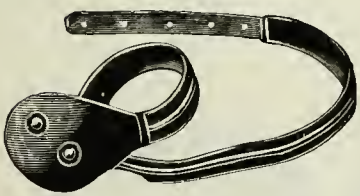
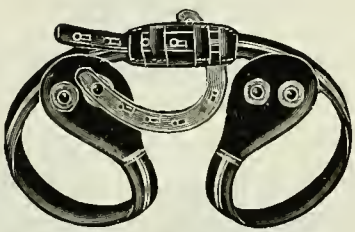


R-1120



R-1125

TRUSSES FOR HERNIA

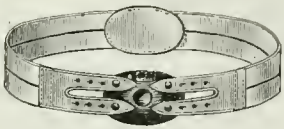
R-1090 Radical cure cross-body single truss, right and left, each, single, $4 00; double.... $5 00
R-1095 Self-adjusting cross-body ball and socket joint truss, right or left, each, single, $2 75; double 4 00
R-1100 New York elastic single truss, with hard pad, reversible..... 1 25
Same style of truss, but of better quality and silk covered water pad..... 1 75
R-1105 New York elastic double truss, same as above, with hard pads..... 2 00
Extra quality with silk covered pads..... 2 50
R-1110 Improved German truss with understrap, for children in sizes from 12 to 24, single 1 75
R-1115 Improved German truss with understrap for children, double..... 2 75

The above trusses we can strongly recommend for boys and girls from the age of 2 years up. We have found that a cure has resulted in most cases where a truss of this pattern bas been worn conscientiously for the prescribed period.

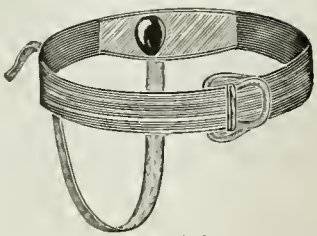
R-1120 Infants' truss, single, with mild steel spring and entirely covered with pure gum rubber. This truss is the only one in our opinion which can be worn with comparative comfort by an infant..... $1 75
R-1125 Infants' truss, double, same as above..... 2 75

We carry these trusses in stock from 11 inches to 22 inches.

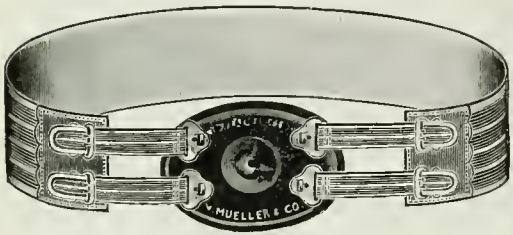
Do not mutilate catalogue.—Specify section letter and number in ordering.



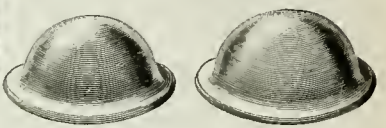
R-1135



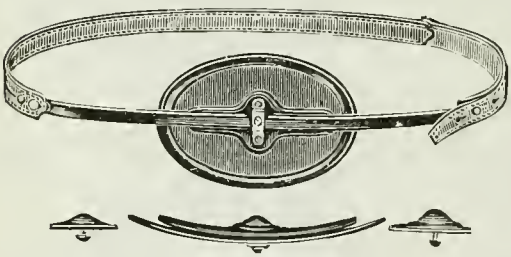
R-1130



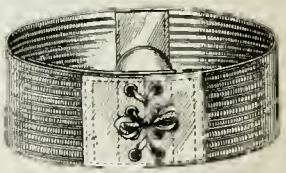
R-1150



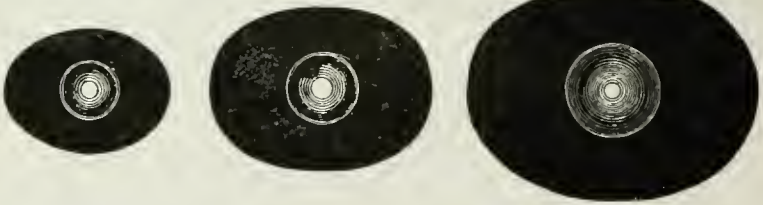
R-1145



R-1155



R-1140



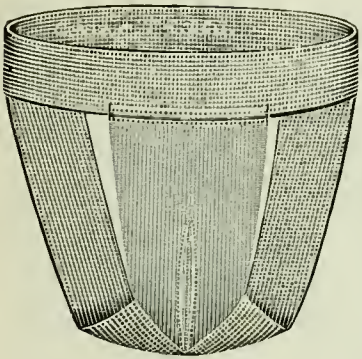
3⅛ x 4⅝ in. 4¼ x 6 in. 5 x 7 in.

R-1160

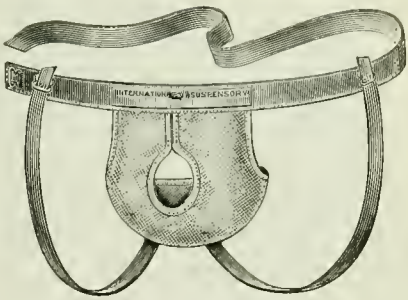
TRUSSES AND PADS FOR HERNIA

R-1130	Children's truss for inguinal hernia with hard rubber pad and understrap, washable, can be worn in the bath, single, $1 50; double	$2 50
R-1135	Plain elastic umbilical truss, with hard rubber pad	1 50
R-1140	V. Mueller & Co.'s woven elastic umbilical truss, with chamois covered pad	1 50
R-1145	Umbilical buttons, made of aluminum, in sets of three, different sizes, per set	1 00
R-1150	Elastic umbilical truss, adjustable with hard rubber pad or leather pad	3 75
R-1155	Umbilical truss, with bow spring, hard rubber pad	5 50
R-1160	Hard rubber pads for use in abdominal supporters, for umbilical hernia. When ordering give size wanted, $1 25 to	1 50

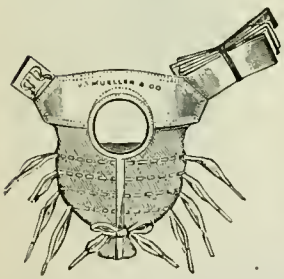
Do not mutilate catalogue.—Specify section letter and number in ordering.



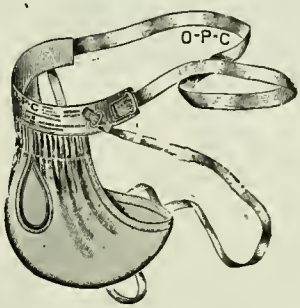
R-1170



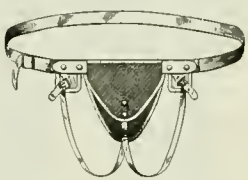
R-1175



R-1180



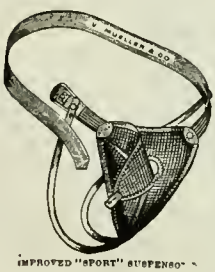
R-1185



R-1185A



R-1190



R-1200

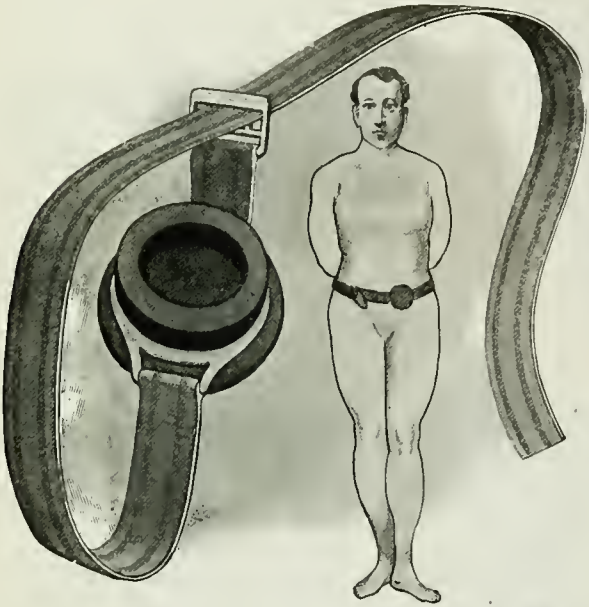


R-1195

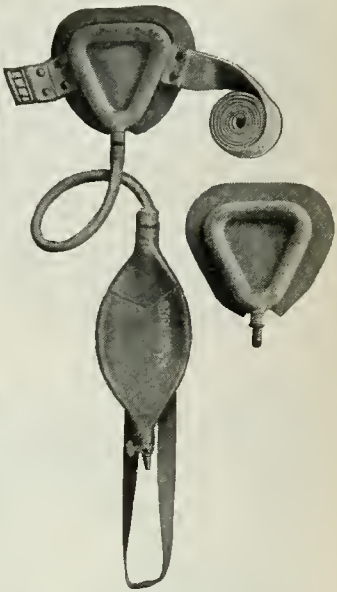
SUSPENSORIES

R-1170	Bike athletic jockstrap and supporter of all elastic material, easily applied and removed	$1 00
R-1175	V. Mueller & Co.'s Improved suspensory, English web sack, $0 50 knitted silk sack..	75
R-1180	Scrotal compressor for use in varicocele and hydrocele	1 00
R-1185	Old Point Comfort suspensory, one of the most reliable suspensories on the market, cotton, $0 85; silk	1 35
R-1185A	Dr. Jos. L. Boehm's Improved suspensory	1 50
R-1190	The Bunker Hill suspensory, a well made and easily adjustable supporter, cotton, $0 60; silk	1 25
R-1195	J. P. suspensory, cotton $0 35; silk	50
R-1200	Teufel "Sport" suspensory is designed not only for use in the treatment of diseases, but also to be worn as a regular article of dress for the sake of support, comfort and protection	1 00

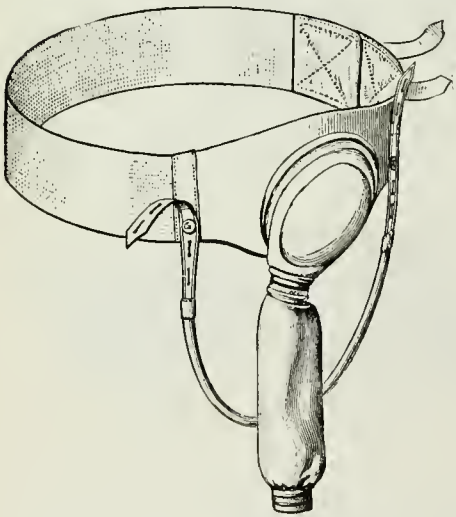
Do not mutilate catalogue.—Specify section letter and number in ordering.



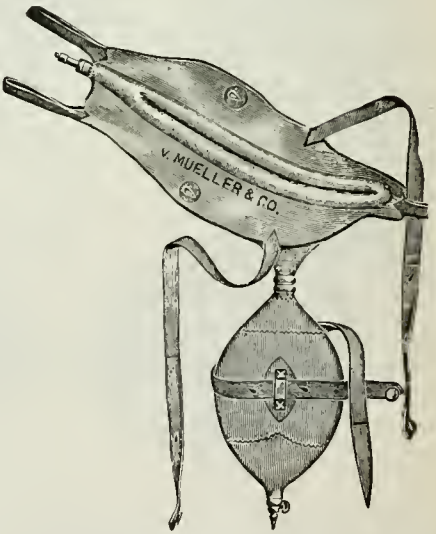
R-1205



R-1215



R-1210



R-1220

COLOSTOMY PADS AND URINALS

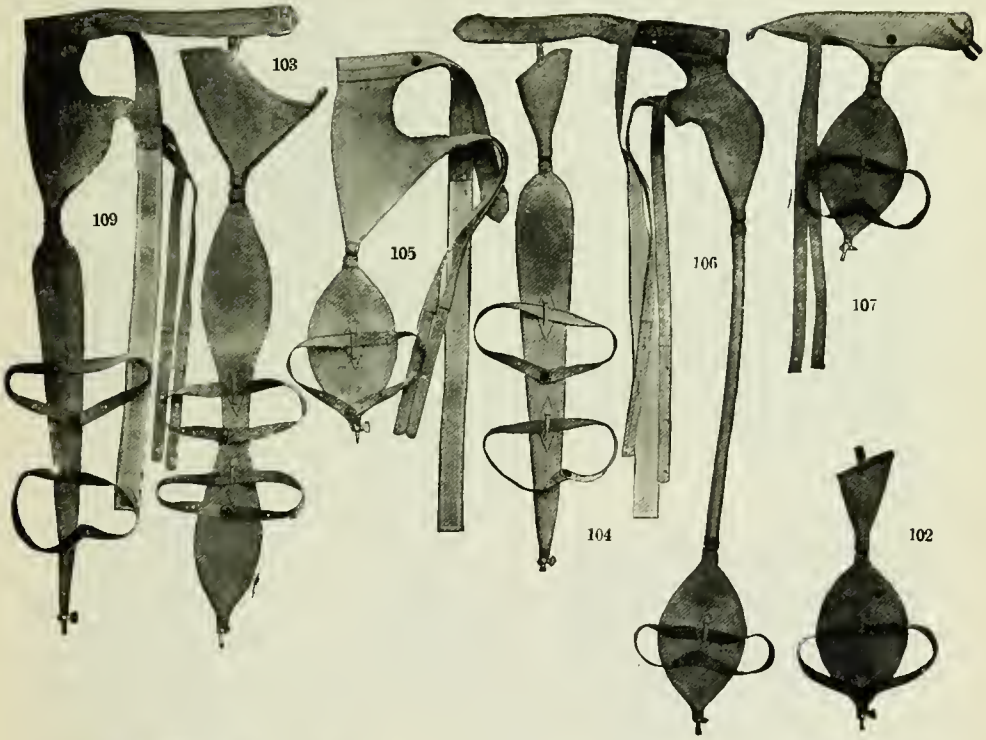
R-1205 Rubber Colostomy Pad with inflated ring edge, giving a cup shaped cavity ½ inch deep and 2 inches in diameter. With belt and one extra rubber pad..... $7 50

R-1210 Graham's apparatus for artificial anus. Consisting of a spun metal cup with a depression around the rim in which is fitted an inflated rubber ring. The metal cup has attached to it a spout over which is slipped and clamped a rubber bag to hold the discharge.
Price according to the difficulties of the case from $15 00 to..... 20 00

R-1215 Fistula Urinal has a triangular shaped pneumatic ring which is held to the body of the patient by means of a belt connected to a wire ring..... 10 00

R-1220 Female Urinal, with inflatable rim..... 4 50

Prices on rubber goods subject to change without notice.

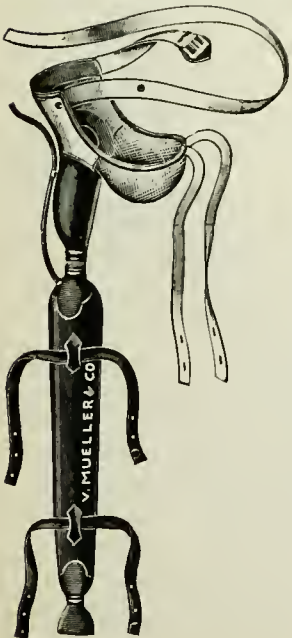


R-1225

RUBBER URINALS

R-1225	Fig. 102 Male Urinal, day...	$1 75
R-1230	Fig. 103 Male Urinal, day...	2 00
R-1235	Fig. 104 Male Urinal, day...	2 50
R-1240	Fig. 105 Male Urinal, day...	3 50
R-1245	Fig. 106 Male Urinal, day and night	4 50
R-1250	Fig. 107 Female Urinal, day	3 50
R-1255	Fig. 109 Male Urinal, day...	3 50
R-1260	V. Mueller & Co.'s Urinal, improved pattern, day and night	3 50
R-1270	V. Mueller & Co.'s Special Urinal, male, day and night. Owing to the special construction of this urinal, it is really the only one which can be worn by a patient day and night without the fear of leakage. It is made of heavy maroon pure rubber and attached to washable suspensory....	5 50

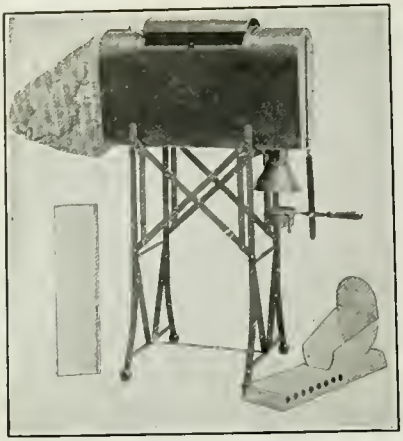
Prices on rubber goods subject to change without notice.



R-1270



R-1260



R-1280



R-1285

HOT AIR APPARATUS

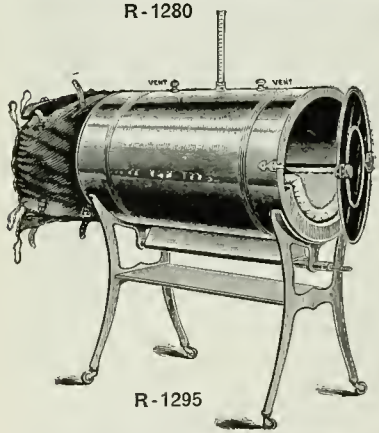
R-1280 Shows a Hot Air Apparatus for the extremities and regions of the body; it is portable and the extremities, regions and joints can be treated with it. It is constructed of steel oxidized copper.

The "ventilation opening" can be closed by a slide. On the bottom of the chamber rests a specially constructed insulated heat-carrier, compelling the heated air to continuously circulate.

Price $20.00

R-1285 Knee Hot Air Apparatus is intended for knee work, but can be used for treating a hand or a foot. It is 15 inches long, about 18 inches high and 10 inches wide. The knee, hand or foot is the only part of the body that is subject to this temperature. Can be heated by gas or alcohol.

Large enough to treat both knees.....$20 00



R-1295

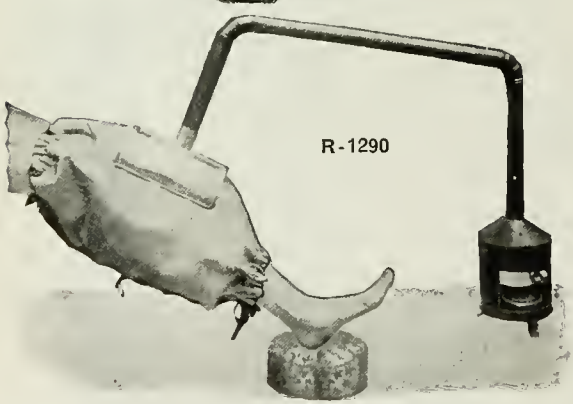
R-1295 Frazier-Lentz's Hot Air Apparatus for treatment of rheumatism.

This apparatus is especially adapted for the application of dry hot air for the successful treatment of cases of acute articular rheumatism, gonorrheal rheumatism, gout, traumatic arthritis, synovitis, tenosynovitis, fibrous ankylosis, fractures, sprains dislocations etc. Made 24 inches long and 30 inches long, with Bunsen burner for gas $35 00. With oil-burning blast lamp $40 00. For both gas and oil $35.00. Arranged for use on the 110 volt direct or alternating current $55 00.

The prices quoted are for the 24-inch apparatus.

Price for the 30-inch apparatus $5.00 extra.

Send for circulars describing the apparatus more in detail.



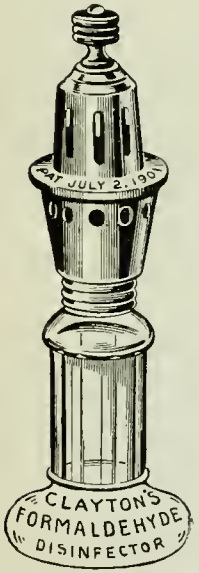
R-1290

R-1290 This device is manufactured for the treatment of the leg, arm, hip, limbs, or any part of the body where special treatment is needed.

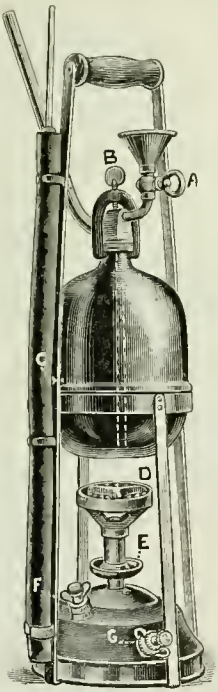
Full and explicit directions for the usage are sent with it.

Price $6 00

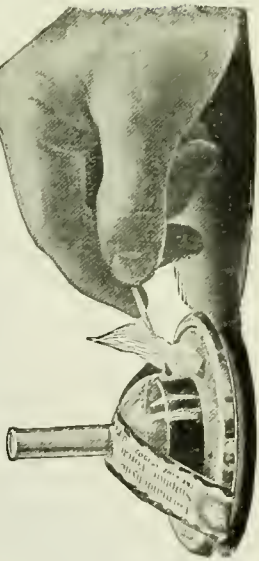
Do not mutilate catalogue.—Specify section letter and number in ordering.



R-1300



R-1305



R-1310



R-1315



R-1320



R-1325

DISINFECTION APPARATUS, ETC.

R-1310	Formaldehyde sulphur torch for disinfection, each $0 25; dozen	$2 00
R-1315	V. Mueller & Co.'s automatic soap container	2 25
R-1320	Bender's sanitary liquid soap container	2 00
R-1325	Bender's sanitary soap for use in either V. M. & Co.'s or Bender's container, per quart	75

CLAYTON'S FORMALDEHYDE DISINFECTOR

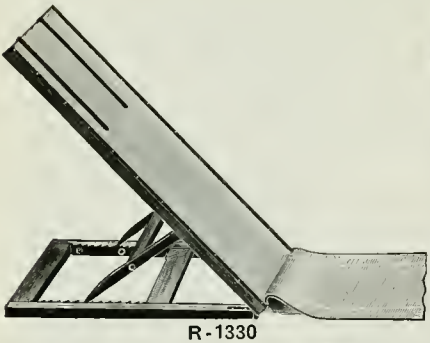
A simple and efficient lamp for the generation of formaldehyde gas from wood alcohol. Used for the disinfection of small rooms, closets, clothing, bedding etc. It is safe, simple in operation and satisfactory in results. Full directions for use accompany each lamp.

R-1300 Price $1 50

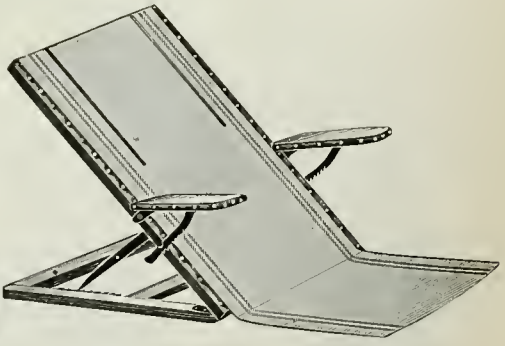
THE "LENTZ" FORMALDEHYDE GAS GENERATOR

The best low priced apparatus for the generation of formaldehyde from a forty per cent. solution of formalin under pressure. Simple, efficient and durable. It is made entirely of brass and copper, equipped with Primus kerosene lamp for heating. There are over 6,500 of these generators in use. Adopted by the U. S. Government for the Marine Hospital service. Full directions for use accompany each generator.

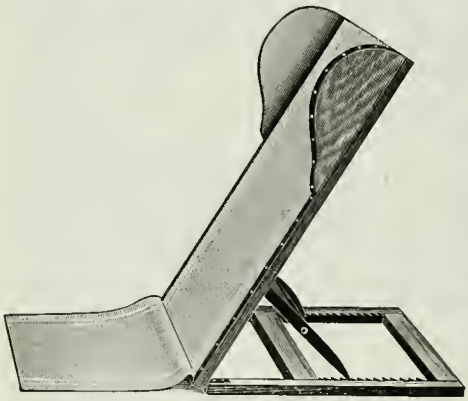
R-1305 Price $12 50



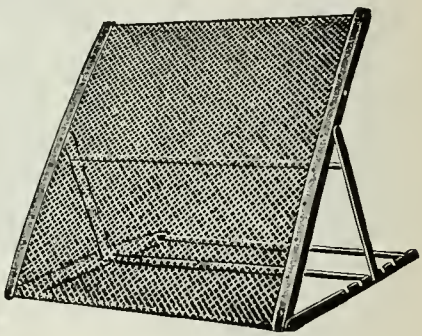
R-1330



R-1335



R-1340



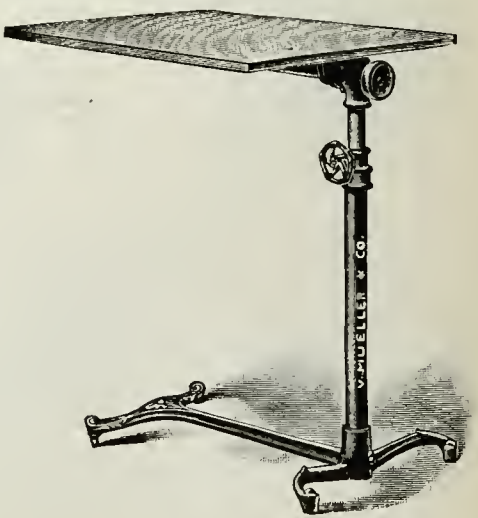
R-1345

BACK RESTS AND BEDSIDE TABLES

R-1330	Back rest regular without arms	$1 75
R-1335	Back rest regular with arms..	3 00
R-1340	Back rest improved with head rest on the side.....	3 00
R-1345	Back rest, aseptic, adjustable made of steel with woven wire fabric back, white enameled, total weight 12 lbs.....	3 50
R-1350	Bed side tables, No. 1, brown metal parts with golden oak hand rubbed oil finished top..	5 00
	No. 2, cream white enamel parts with bird's-eye maple top	5 00
	No. 3 Oxidized copper parts, with finely finished quarter-sawed top.....	5 00
	No. 4 Full nickel-plated metal parts, with quarter-sawed oak or bird's-eye maple top...	6 00
	No. 5 White enamel entirely of metal, aseptic.....	7 00
	No. 6 Black metal parts, top same as No. 1.....	4 50

Write for prices in quantities.

These prices are subject to change without notice.



R-1350

INVALID ROLLING CHAIRS



R-1360



R-1365

Dimensions of Our Chairs	Wide Size Inches	Narrow Size Inches
Height of back from seat	31	31
Height of seat from floor	19	19
Height of seat from foot-board	16½	16½
Height of arms from seat	9½	9½
Depth of seat	20	20
Width of seat	19	17
Diameter of large wheels	26	26
Diameter of small wheel	10	10
Width over all	29	27

Weight crated, 95 lbs.

Unless specified otherwise, wide chair will be shipped.

ADULTS' RECLINING ROLLING CHAIR

R-1360 With rear swivel wheel, back, seat and leg-rest filled with three-ply veneer. A very popular chair on account of the low price.

With oval steel rim wheels.....$19 00
With ¾-inch rubber tires..... 29 00
With 1-inch rubber tires..... 34 00

Hand rims on large wheels that will allow patient to propel chair forward or backward, or turn in either direction at will, $2 50 extra.

Bicycle ball bearings, $3 75 extra.

CHILD'S RECLINING ROLLING CHAIR

R-1360A Has folding foot-board, rear swivel wheel, with hand rims on large wheels that will allow patient to propel chair forward and backward, or turn in either direction at will. A comfortable and durable chair that will give a child much pleasure indoors or out of doors.

With oval steel rim wheels.....$25 50
With ¾-inch rubber tires..... 35 50
With 1-inch rubber tires..... 42 00

ADULTS' RECLINING CHAIR

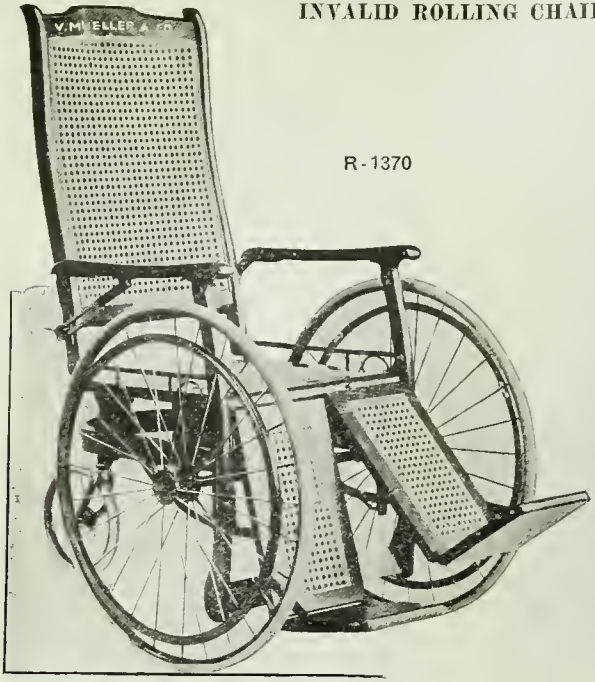
R-1365 Furnished regularly with hand rims on large wheels that will allow patient to propel chair forward and backward, or turn in either direction at will.

With oval steel rim wheels.....$23 00
With ¾-inch rubber tires..... 33 50
With 1-inch rubber tires..... 40 50

Bicycle ball bearings, $3 75 extra.

A positive hand brake, $3 00 extra.

INVALID ROLLING CHAIRS



R-1370

ADULTS' RECLINING ROLLING CHAIR

R-1370 With two piece divided Independent adjustable leg-rest. We highly recommend this chair as one of the most useful and serviceable chairs for all cases. Has rear swivel wheel furnished regularly with hand rims on large wheels that will allow patient to propel chair forward and backward, or turn in elther direction at will.

With Oval Steel Rim Wheels $31 50
With ¾-inch Rubber Tires 42 00
With 1-inch Rubber Tires 48 50
Bicycle ball bearings, $3 75 extra.
Steel elliptic springs, $2 50 extra.
Positive hand brake $3 00 extra.

CHILD'S RECLINING CHAIR

R-1375 Has adjustable reclining back, together with independent divided adjustable legrests, all of which can be worked together or independent to obtain any desired position of the body or limbs. Body is made of oak, rubbed and polished finish, and legrests, seat and back are filled with open cane webbing. Has elliptic springs that absorb the vibration and jarring, also hand-rims that will enable occupant to propel chair forward or backward or turn in either direction at will.

With Oval Steel Rim Wheels $30 50
With ¾-inch Rubber Tires 40 50
With 1-inch Rubber Tires 47 00

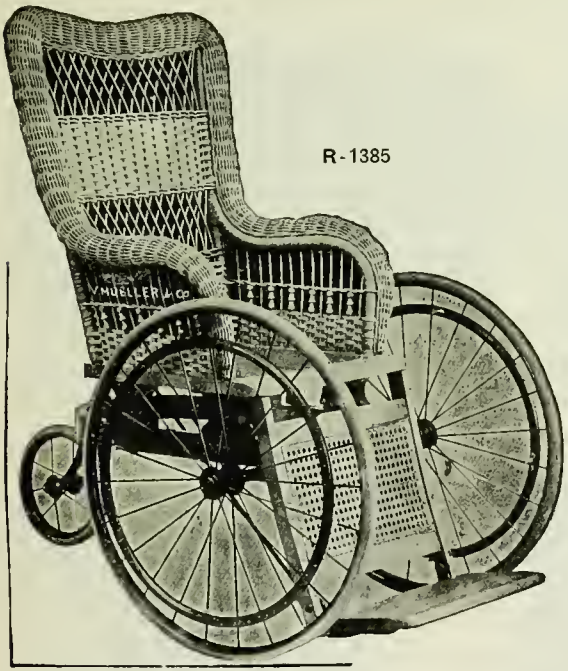


R-1380

ADULTS' FIXED ROLLING CHAIR

R-1380 Upholstered in imitation Spanish leather. Has small swivel wheel and folding foot-board. Furnished regularly with hand rims on large wheels, that will allow patient to propel chair forward and backward, or turn in either direction at will. The graceful outlines of this chair will readily appeal to all as a most comfortable and easy-riding chair, one of our most popular patterns.

With Oval Steel Rim Wheels $26 50
With ¾-inch Rubber Tires 38 00
With 1-inch Rubber Tires 44 00
Spring seat, $1 00 extra.
Bicycle ball bearings, $3 75 extra.
Steel elliptic springs, $2 50 extra.
A positive hand brake, $3 00 extra.



INVALID ROLLING CHAIRS

ADULTS' FIXED ROLLING CHAIR

R-1385 With rear swivel wheel and folding foot-board. Furnished regularly with hand rims on large wheels, that will allow patient to propel chair forward and backward, or turn in either direction at will. This chair has met with great favor. It is without doubt one of the most comfortable and easy handled rolling chairs ever produced.

With oval steel rim wheels.$29 00
With ¾-inch rubber tires.... 39 50
With 1-inch rubber tires.... 45 50

Bicycle ball bearing, $3 75 extra.
Steel elliptic springs, $2 50 extra.
A positive hand brake, $3 00 extra.

CHILD'S FIXED ROLLING CHAIR

R-1385A This is a very comfortable outdoor chair, although same can be used for indoor use as it takes up but little room. Body is made of prime India reeds, finished in light oak. Seat and leg-rests are filled with hygienic cane webbing. Has folding foot-board to facilitate getting in and out of chair. Has steel elliptic springs that absorb the vibration and jarring. Is finished regularly with extension wood push-handle which is of great assistance in handling the chair.

With oval steel rim wheels.....$21 00
With ¾-inch rubber tires 31 00
With 1-inch rubber tires..... 37 50

WORTHINGTON WHEEL CHAIRS

The Worthington chair needs no introduction to the physician, as it is widely known as one of the very best wheel chairs which has ever been designed. It is strongly built in every respect, therefore we recommend it in all cases where a chair is to be given considerable use.

R-1390 Worthington wheel chair with rubber tires, elliptic springs and divided foot rests $51 00

R-1390A Worthington wheel chair with rubber tires, elliptic springs and single piece foot rest 48 75

If interested please send for complete Worthington catalogue showing all styles of wheel chairs, with detailed description.

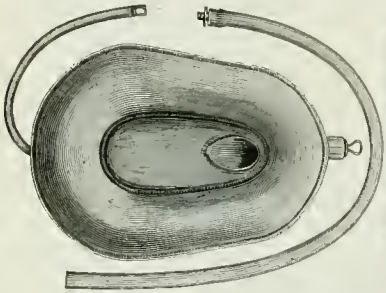


R-1390

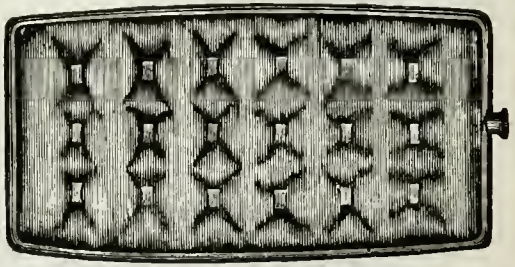


R-1390A

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-1420



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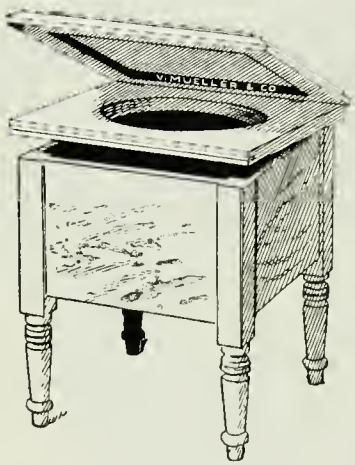
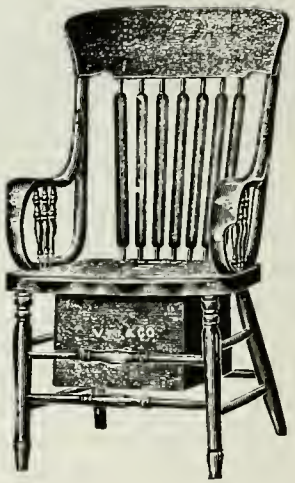
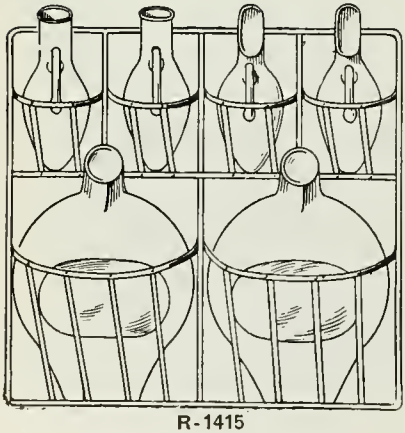


R-1400



R-1405



R-1415

WATER BEDS, COMMODES, ETC.

R-1400 Plain commode, made of wood, gloss finish, agate pan..... $4 50

R-1405 Commode chair, hard wood with pan 7 50

R-1410 Air or water bed, 42 x 80..... 37 00

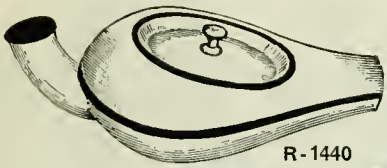
There is a smaller and a larger size, but the above is the most popular.

R-1415 Bed pan rack of galvanized iron, for two bed pans and 4 urinals.. 6 00
3 bed pans and 6 urinals..... 8 00
6 bed pans and 12 urinals..... 10 50

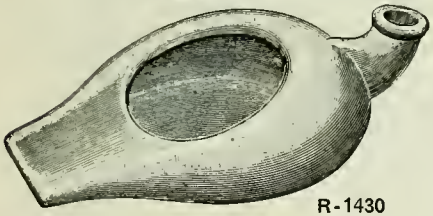
R-1420 Inflated rubber bed pan with outlet tube, oval shape, or round.... 5 50

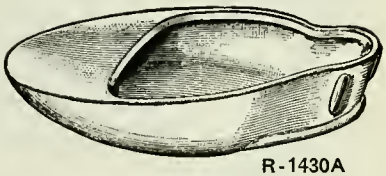
R-1425 Not illustrated. Plain rubber bed pan inflated without outlet tube.. 4 00

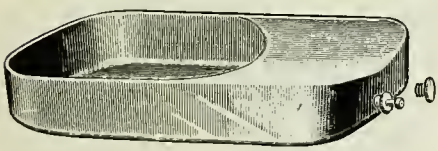
Do not mutilate catalogue.—Specify section letter and number in ordering.


R-1440


R-1435


R-1430


R-1430A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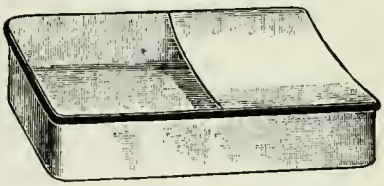
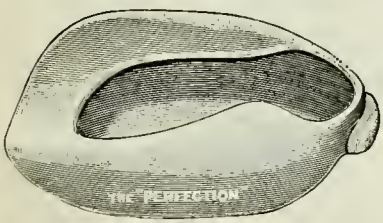
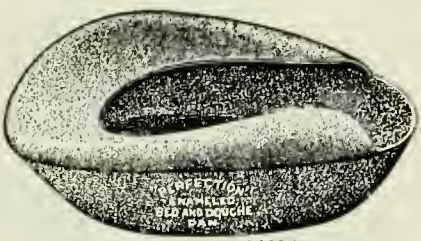
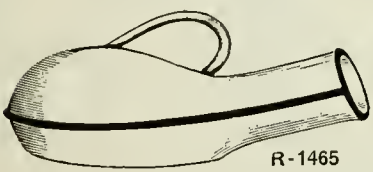

R-1450 R-1450A

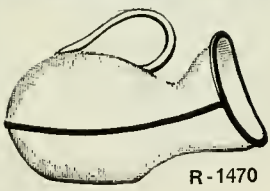


R-1455



R-1460 R-1460A


R-1465

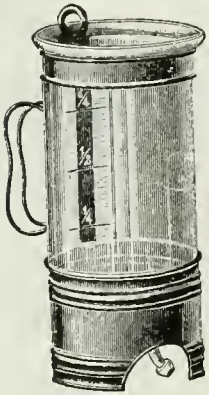

R-1470

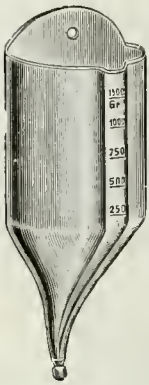
HOSPITAL AND PATIENT'S SUPPLIES

R-1430	White earthern bed pan	$1 00
R-1430A	Eureka bed pan	1 00
R-1435	Bed pan, steel, gray enamel	1 50
R-1440	Bed pan, steel, white enamel	1 75
R-1445	Douche pan with outlet tube, zinc	1 00
R-1450	Douche pan, gray enamel	1 25
R-1450A	Douche pan, white enamel	1 50
R-1455	Perfection bed pan, steel, white enamel	4 50
R-1460	Perfection bed pan, steel, gray enamel	3 75
R-1460A	Perfection bed pan, earthen ware, white	2 50
R-1465	Male urinals, steel, porcelain, white	1 00
R-1470	Female urinals, steel, porcelain, white	1 00
R-1475	Male urinal, glass, plain, $0 50; graduated, not illustrated	65
R-1480	Female urinal, glass, plain, $0 50; graduated, not illustrated	65

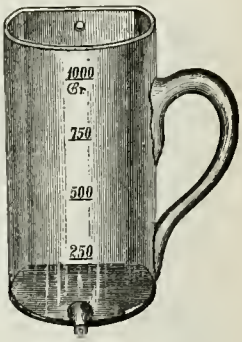


R-1505


R-1500

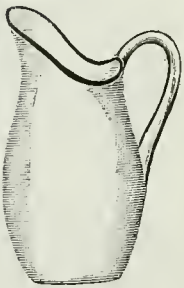


R-1510



R-1495


R-1490


R-1515



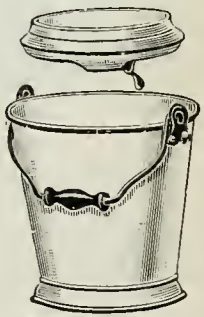
R-1520


R-1485


R-1525



R-1530


R-1535

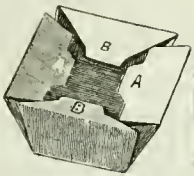
HOSPITAL AND OFFICE SUPPLIES

R-1485	Irrigator, steel porcelain, white, 2 qt., $0 85; 3 qt., $1 00; 4 qt.	$1 15
R-1490	Irrigator, steel porcelain, seamless with handle, 1½ qt., $0 85; 2 qt., $1 00; 3 qt., $1 15; 4 qt.	1 35
R-1495	Irrigator, graduated, with handle, glass, 1000 gr., $1 60; 2000 gr., $2 00; 3000 gr.	2 25
R-1500	V. Mueller & Co.'s irrigator, the glass container is held in metal frame which is graduated on the back, 1000 gr., $1 00; 2000 gr., $1 35; 3000 gr.	1 75
R-1505	Extra glass irrigator for R-1500, 1000 gr., $0 40; 2000 gr., $0 50; 3000 gr.	65
R-1510	Irrigator, glass, funnel shaped, flat back, 1000 gr., $1 25; 2000 gr., $1 50; 3000 gr.	1 85
R-1515	Water pitcher, steel porcelain, white enamel, 2 qt., $1 10; 3 qt., $1 25; 4 qt., $1 50; 5 qt.	1 75
R-1520	Water pitcher, steel porcelain, white enamel, 2 qt., $1 25; 3 qt., $1 50; 4 qt.	1 75
R-1525	Water pails, steel porcelain, white enamel, small, $1 35; medium, $1 50; large.	1 75
R-1530	Commode pail, white enamel, with cover	2 75
R-1535	Dressing pail, steel porcelain, white enamel	3 00


R-1540


R-1545


R-1550





R-1555

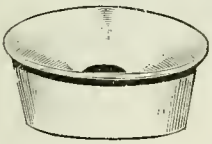

R-1560



R-1580

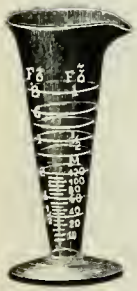

R-1575


R-1565


R-1570

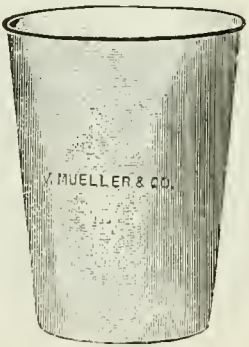


R-1585


R-1590


R-1595

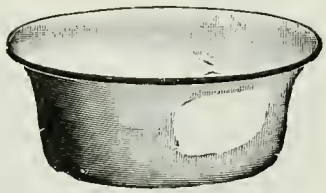

R-1600



R-1605

HOSPITAL AND OFFICE SUPPLIES

R-1540	Spit cup, steel porcelain, white enamel, funnel cover, each $0 60, dozen	$6 50
R-1545	Spit cup, steel porcelain, white enamel high form hinge cover, each $0 65, dozen	6 75
R-1550	Spit cup, steel porcelain, white enamel, hinge cover, each $0 60, dozen	6 00
R-1555	Folding sputum cup, covers or holders, dozen, net	2 15
	Fillers, dozen net, $0 10; hundred net	1 10
R-1560	Feeding cup, steel porcelain, each $0 60, dozen	6 00
R-1565	Spittoon, steel porcelain, white enamel, each $1 00; dozen	10 80
R-1570	Spittoon, steel porcelain, white enamel, made of two pieces, each $0 90; dozen	9 00
R-1575	Funnel, steel porcelain, white enamel, 6 in., $0 60; 7 in., $0 75; 8 in.	90
R-1580	Floating labels, glass, 16 different kinds, dozen	1 00
R-1585	Graduated measures with metric and ounce scale, steel porcelain, white, 250 gr. $0 65; 500 gr. $0 85; 1000 gr. $1 10; 1500 gr.	1 35
R-1590	Graduate, 60 minims $0 25; 120 minims	30
R-1595	Graduate, glass, ounce and metric system, ½ ounce to 32 ounces, 15 cc. to 1000 cc. $0 25 to	1 30
R-1600	Graduate, cylindrical form, glass, from 10 cc. to 500 cc., $0 25 to	1 00
R-1605	Drinking cup, white steel porcelain, 3x3½, $0 25; same with handle	35



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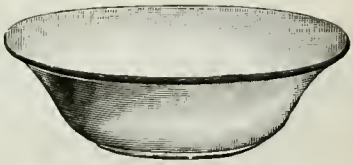

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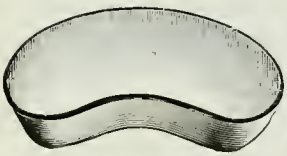

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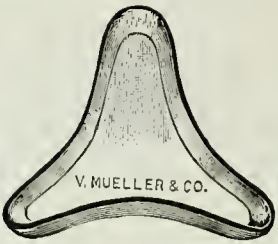
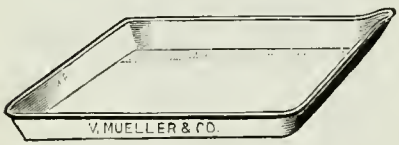


R-1625



R-1630



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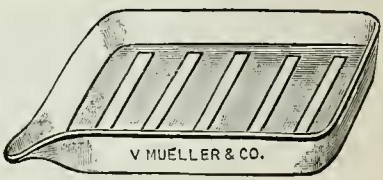


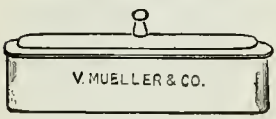
R-1640



R-1645



R-1650



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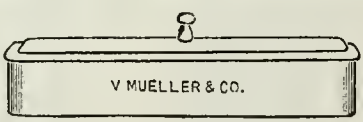


R-1655



R-1665

HOSPITAL AND OFFICE SUPPLIES

R-1610	Extra deep solution basin, steel porcelain, white, 8 in., $0 40; 9½ in., $0 55; 11 in., $0 70; 12 in., $0 80; 13½ in., $0 90; 15 in.	$1 35
R-1615	Seamless solution basin, white, steel porcelain, shallow, 6 in., $0 30; 8 in., $0 35; 9½ in., $0 40; 11 in., $0 45; 12½ in., $0 50; 14½ in., $0 70; 16 in.	90
R-1620	Pus basin, steel porcelain, white, three sizes, small, $0 40; medium, $0 60; large	75
R-1625	Pus basin, triangular shape, white steel porcelain	1 00
R-1630	Pus basin, Smith's pattern	65
R-1635	Instrument tray, low form	1 00
R-1640	Seamless lipped instrument tray, ridged bottom	1 25
R-1645	Seamless instrument tray without handles, white steel porcelain, 8¾x5⅛x2, $0 60; 10½x6¼x2¼, $0 85; 13½x8¼x2¾, $1 15; 15x9x2¾, $1 35; 18¼x10x3	2 00
R-1650	Instrument tray, white steel porcelain, 7½x3x1¼, $0 50; 11½x4x1¼, $0 75; 16½x4¼x1¼	1 00
R-1655	Sterilizing tray for catheters sounds, etc., white steel porcelain, 16½x3½x2½	1 60
R-1660	Sterilizing tray, white steel porcelain, for knives, forceps, scissors, etc., 8½x3x2	85
R-1665	Soap dish, white steel porcelain	25

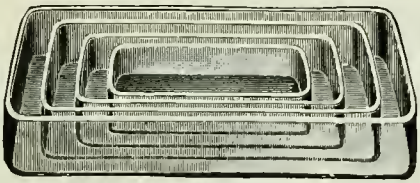
Do not mutilate catalogue.—Specify section letter and number in ordering.



R-1675



R-1690



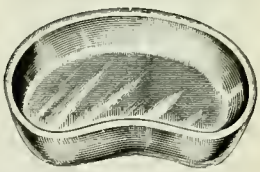
R-1680



R-1695



R-1685



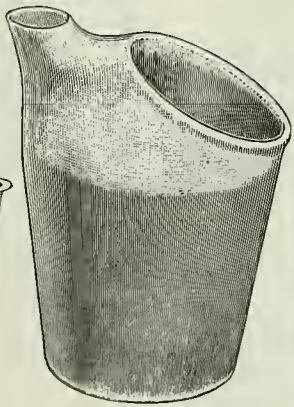
R-1700



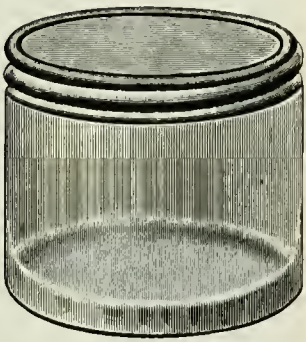
R-1710



R-1710A



R-1705

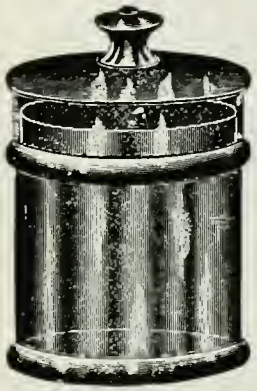


R-1715

HOSPITAL AND OFFICE SUPPLIES

R-1675	Glass instrument tray, oblong form, 8x2x2½, $0 75; 13½x3½x2½	$1 25
R-1680	Glass instrument trays, 4 sizes, clear crystal, ground tops, sizes 6, 9, 10 and 12 inches long, $0 75, $1 00, $1 25	1 75
R-1685	Glass instrument tray, with ground glass cover, straight walls, 8x2x1¾, $1 50; 15½x3½x2½	3 50
R-1690	Glass hand basin, flat bottom and polished edges, in crystal, blue and ruby color; crystal and blue 6 in., $0 60; 9¾, $0 95; 13¾, $2 50; ruby, $1 50, $2 50 and	4 50
R-1695	Basin, round steel porcelain, 3 in set, 4½ in., 5½ in., and 6½, suitable for the obstetric bag or for sponge bowls, nested three in set	1 25
R-1700	Glass pus basin, polished edges, 8 and 10 inch, $0 65 and	1 00
R-1705	Simplex feeding cup	45
R-1710	Automatic wall bracket for holding individual asceptic drinking cups, net	5 00
R-1710A	Parafine covered asceptic paper drinking cups, per 1,000	8 50
R-1715	Glass boxes with metal screw cover, 2½, 3½ and 4 in. diameter, $0 15, $0 25 and	30

Do not mutilate catalogue.—Specify section letter and number in ordering.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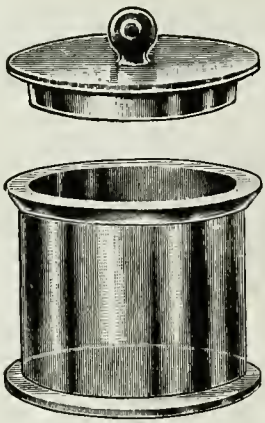
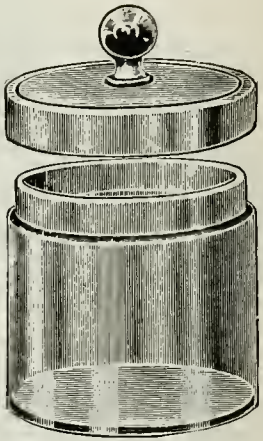
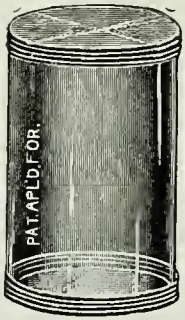

R-1730


R-1735


R-1745



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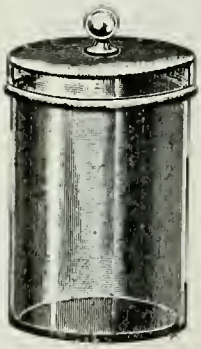
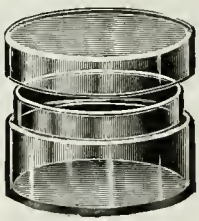
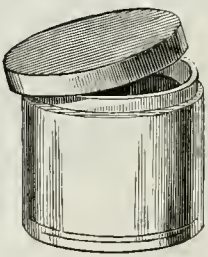

R-1740

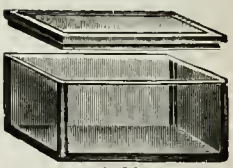

R-1760



R-1775

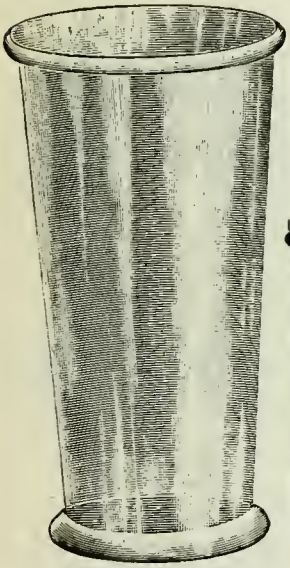

R-1765


R-1770

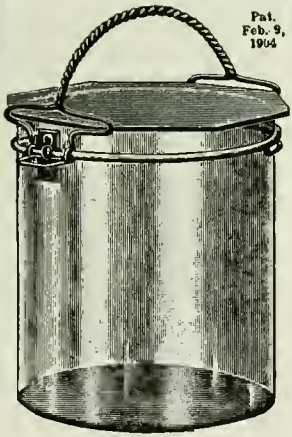

R-1780

HOSPITAL AND OFFICE SUPPLIES

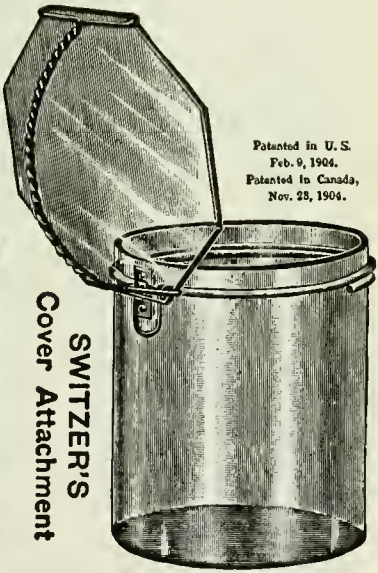
R-1730	Glass jar, for dressings, with glass ground covers, 2x2½, $0 40; 3x3¼, $0 60; 4x4, $0 95; 6x6, $1 75; 8x8	$3 00
R-1735	Cylinder jar, glass, polished top and over-lapping cover, 4x4, $0 75; 6x6, $1 25; 8¼x8¼	2 25
R-1740	Glass jar, tall form, 5¼x12½ will hold one pound roll of cotton, $1 25; 4½x8½ will hold ½ pound roll cotton	75
R-1745	Barclay dressing jar, with rubber ring between jar and cover dust proof 5x6½	60
R-1750	Plain dressing jar with over-lapping cover 1 qt. $0 40; ½ gallon, $0 65; 1 gallon	1 00
R-1755	Dressing jar, with removable screw cover on each side for use in high pressure sterilizer	40
R-1760	Dressing jar, steel porcelain, white, 5x6, $0 85; 6½x8	1.50
R-1765	Glass box, ground top, 3½x4¾	50
R-1770	Glass box, ordinary, with over-lapping cover, 2½, 3½, 4½ in., $0 15; $0 20 and	25
R-1775	Glass box, with ground cover, 3 sizes, 2 in., $0 25; 2½ in., $0 30; 3 in., $0 35; 5 in.	55
R-1780	Glass box, with ground cover for hand brushes	1 00



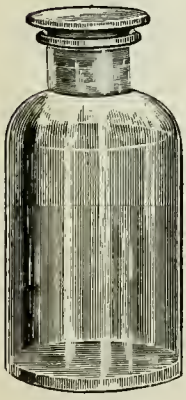
R-1795



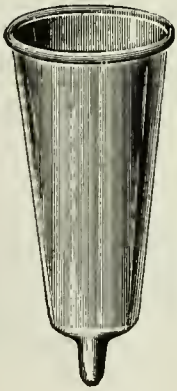
R-1785



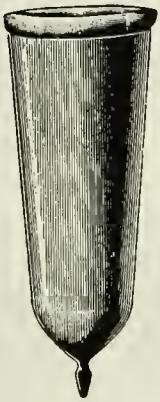
R-1790



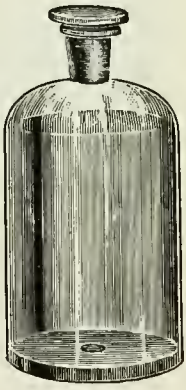
R-1800



R-1810



R-1815



R-1805

HOSPITAL AND OFFICE SUPPLIES

R-1785	and R-1790 illustrate the new Switzer dressing jar, covers removable for sterilizing. Jar is germ, dust and odor proof, 4x4, $1 00; 5x6, $1 10; 6x8, $1 50; 7x9, $1 90; 8½x12	$2 40
R-1795	Arm immersion tank, either glass or white steel porcelain, each	3 00
R-1800	Solution rack bottle, wide ground stopper, 1 gallon, $0 90; 2 gallon	2 00
R-1805	Solution rack bottle, narrow neck, ground stopper, 1 gallon, $0 80; 2 gallon	1 60
R-1810	Percolator, regular, molded heavy glass	75
R-1815	Percolator, flint glass	90

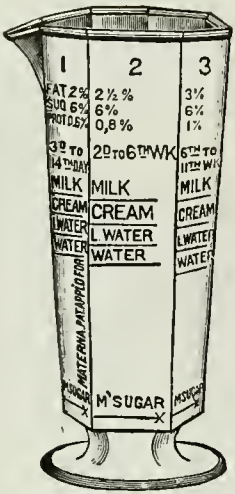
Do not mutilate catalogue.—Specify section letter and number in ordering.



R-1835



R-1840



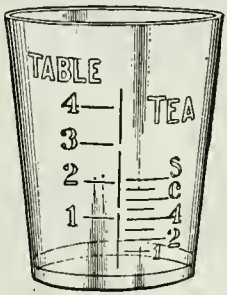
R-1820



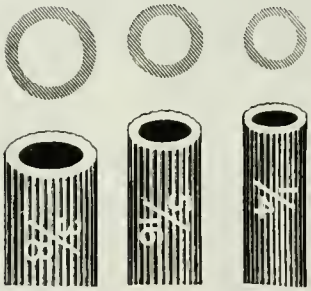
R-1845



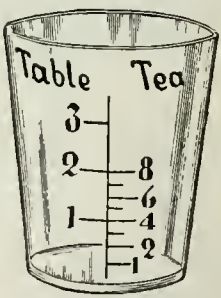
R-1850



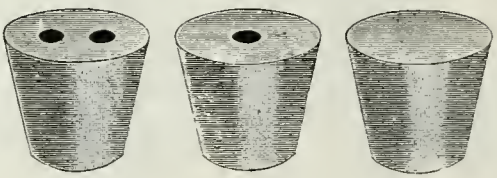
R-1825



R-1855



R-1830

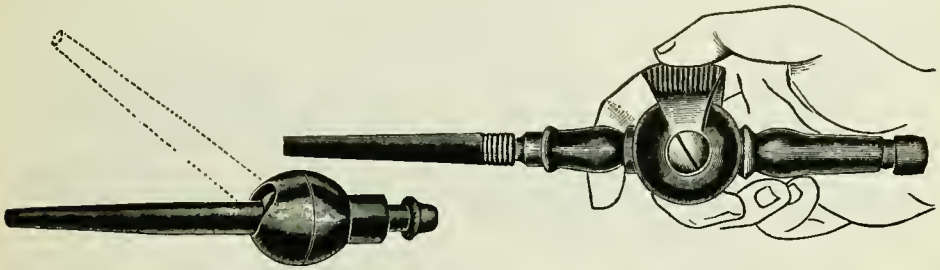


R-1860

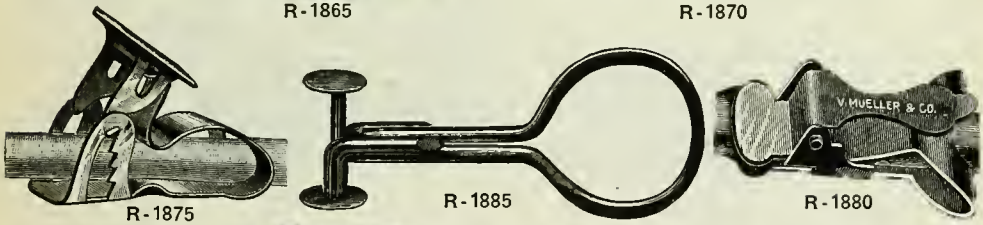
HOSPITAL AND OFFICE SUPPLIES

R-1820	Materna milk modifier, net	$1 50
R-1825	Medicine glasses, molded letters and lines, each $0 07; dozen	50
R-1830	Medicine glasses, fine crystal, engraved letters and lines, each $0 15; dozen	1 40
R-1835	Glass syringes, vaginal, No. 3, dozen $0 60; No. 5, dozen	75
R-1840	Male syringe, glass, with rubber tip, dozen	75
R-1845	Glass syringes, urethral, No 1, dozen $0 60; No. 2, dozen	75
R-1850	Glass wound syringes, No. 3, dozen $ 50; No. 4, dozen $ 60; No. 5, dozen $ 75; No. 6, dozen	1 00
R-1855	Rubber tubing for irrigators, etc., sold by weight only, at the prevailing market price.	
R-1860	Pure rubber stoppers, sold by weight at the prevailing market price. State correct size and figure A, B or C.	

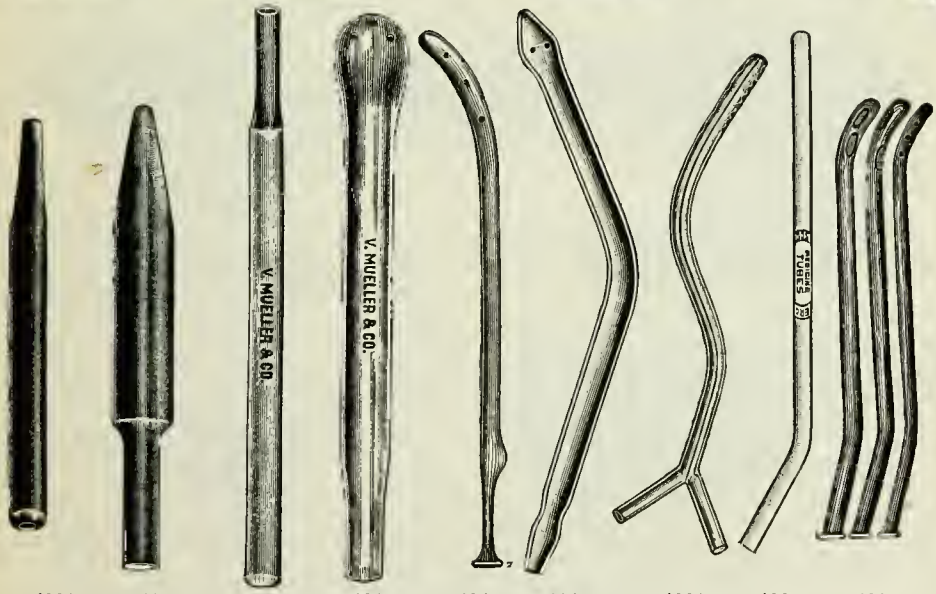
Do not mutilate catalogue.—Specify section letter and number in ordering.



R-1865 R-1870



R-1875 R-1885 R-1880



R-1890 R-1900 R-1895 R-1905 R-1915 R-1910 R-1920 R-1925 R-1930

HOSPITAL AND OFFICE SUPPLIES

R-1865	Edebohl's cut-off, hard rubber	$0 75
R-1870	Esmarch cut-off, hard rubber with two tips	75
R-1875	Improved syringe cut-off, each $0 05; dozen	50
R-1880	Regular syringe cut-off, large size, each $0 05; dozen	30
R-1885	Automatic pinch-cock, two sizes, each	15
R-1890	Irrigating points, large with rounded ends, doz	25
R-1895	Irrigating points, regular, dozen	20
R-1900	Valentine's irrigating tips, 4 different shaped ends, dozen	65
R-1905	Vaginal douche points, glass, dozen	35
R-1910	Vaginal douche points, glass, curved, same end as R-1905, dozen	60
R-1915	Douche tube, glass, curved, dozen	1 50
R-1920	Douche point, glass, return flow, like illustration or with curve R-1930, each	50
R-1925	Drinking tubes, dozen, $0 25; gross	2 25
R-1930	Female glass catheters, three sizes, dozen	35

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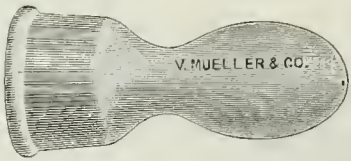
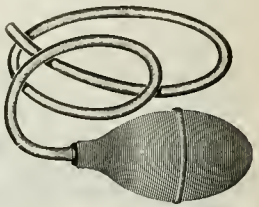
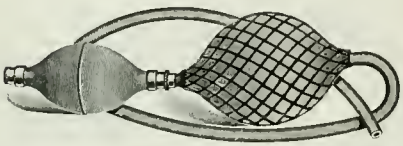
R-1935



R-1975



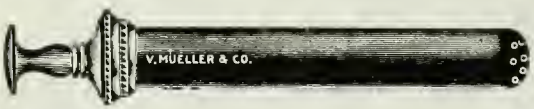
R-1940



R-1945



R-1950



R-1960



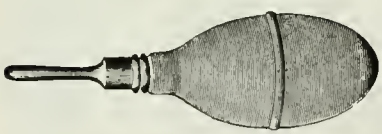
R-1955



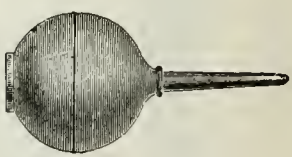
R-1965



R-1970



R-1975



R-1980

SYRINGES, NIPPLES, ETC.

R-1935	Atomizer bulb, maroon rubber, best quality, each	$0 30
R-1940	Rubber bulb, maroon, for otoscopes, powder blowers, etc., each	30
R-1945	Double rubber bulb, pure gum, two sizes, small, $1 00; large	1 25
R-1950	Double bulb, best Imported black rubber, two sizes, small, $1 15; large	1 35
R-1955	Syringe or atomizer bulb, without tube	20
R-1960	Syringe, hard rubber, vaginal, 1 oz., $0 60; 2 oz	85
R-1965	Syringe, hard rubber, rectal, 4 oz., $1 40; 6 oz	1 60
R-1970	Syringe, infant's, rectal, ½ oz., $0 50; 1 oz	65
R-1975	Syringe, infant's	25
R-1980	Syringe, ear and ulcer, maroon, small $0 30; large	50
R-1985	Pure gum nipples, dozen	60

Prices subject to change without notice.

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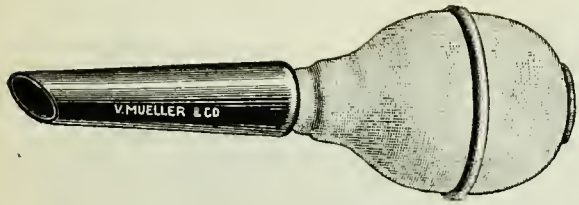
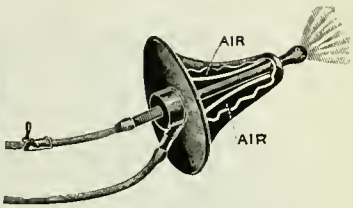
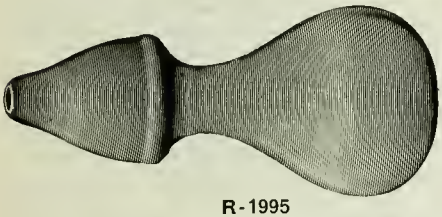


R-1990



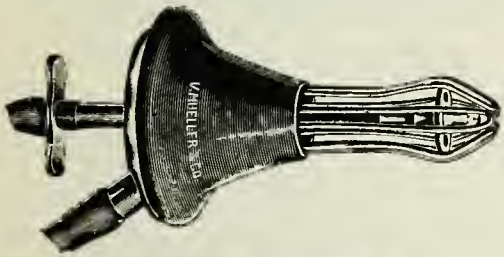
R-2000



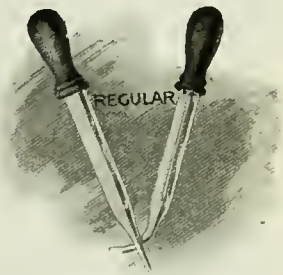
R-1995



R-2005



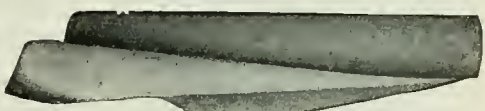
R-2010 R-2010A



R-2020



R-2015



R-2025

DOUCHES, RUBBER SHEETING, ETC.

R-1990	Molesworth ladies' syringe, with glass tube, $0 85; hard rubber tube		$1 15
R-1995	Ladies' syringe, all rubber		1 00
R-2000	Sand's ladies' douche, return flow, 4 ft. tubing		1 50
R-2005	Whirling spray syringe		1 50
R-2010	V. Mueller & Co.'s expanding vaginal douche, with return flow		1 00
R-2010A	Not illustrated. Hall's vaginal douche, all metal, net		2 00
R-2015	Davidson's ladies' syringe, made of best material		1 25
	Ladies' syringe as above, made of one piece only, best imported grade		1 60
R-2020	Medicine droppers, straight and curved, with good resilient rubber bulb, per doz.		20
	Extra large medicine droppers, dozen		40
R-2025	Rubber sheeting,	Single faced	Double faced
	36 inches, per yard	$0 60	$1 00
	45 inches, per yard	70	1 20
	54 inches, per yard	80	1 60
	Cosmos sheeting, washable, suitable especially for surgeons' aprons, table and cushion covers, etc., 36 inches, per yard, $0 85; 45 inches, per yard		95
	Impervo black sheeting, width 45 inches, per yard		80
	Tan sheeting, very light, especially suitable for surgeons' aprons, single, per yard, 36 inches wide, $0 75; double, per yard, 36 inches wide		1 25

Tan sheeting can also be furnished 45 inches wide.

Prices Subject to Change Without Notice.

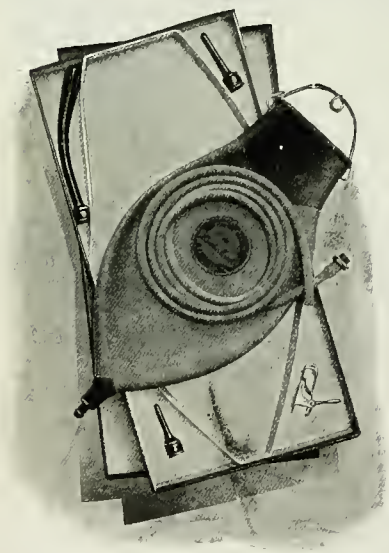
Do not mutilate catalogue.—Specify section letter and number in ordering.



R-2030



R-2035



R-2040

RUBBER GOODS

R-2030 "WEAREVER" CLOTH LINED FOUNTAIN SYRINGE

This bag is made of extra strong maroon rubber coated fabric with all seams reinforced, fitted with fine maroon tubing and hard rubber pipes. The style of construction makes it an unusually desirable article.

Size No. 2..... $1 35
Size No. 3..... 1 50
Size No. 4..... 1 65

R-2035 "WEAREVER" MOULDED FOUNTAIN SYRINGE

The bag of this syringe is moulded entirely of one piece of high grade maroon rubber and is therefore absolutely free from seams or joins and forms a companion piece to the "Wearever" moulded water bottle and will also stand very hard service. The mouth of the bag is very large permitting it to be rapidly filled. It is equipped with *extra large* rapid flow tubing of exceptional quality, and hard rubber pipes.

Size No. 2..... $1 45
Size No. 3..... 1 60

R-2040 NEVERLEAK FOUNTAIN SYRINGE

The bag in this syringe is made of high grade red rubber, seamless, has wide mouth, and is fitted with a metal bail making it convenient to hang up anywhere. This feature made the syringe one of the most popular in the market. The tubing and pipes are all rapid flow and of a fine quality.

Size No. 2..... $1 60
Size No. 3..... 1 75

(Write for prices on quantities).

Prices on rubber goods subject to change without notice.

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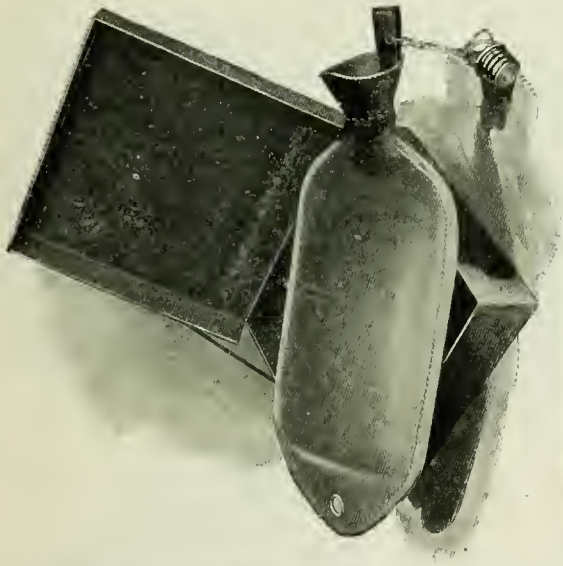


R-2045



R-2150



R-2055

RUBBER GOODS

R-2045 "WEAREVER" SANITARY WATER BOTTLE

Cloth lined maroon, smooth surface, extra strong, rubber coated fabric, all seams reinforced, equipped with holdfast stopples, with chain attachment. This bottle is and has been in general use in the leading institutions for years and has met with universal favor.

Size No. 1	$0 90
Size No. 2	1 10
Size No. 3	1 20
Size No. 4	1 30

R-2150 "WEAREVER" MOULDED WATER BOTTLE

This bottle is "made in a mould" under very high pressure, into one solid piece, from the very finest quality maroon rubber—is absolutely free from seams and has no weak points to give way while in use. The surface being perfectly smooth makes it absolutely sanitary. Another feature of this bottle is the large, roomy funnel or mouth, permitting same to be firmly grasped and easily filled. Positively the most serviceable and practical water bottle for hospital use that can be made.

Size No. 2	$1 35
Size No. 3	1 50

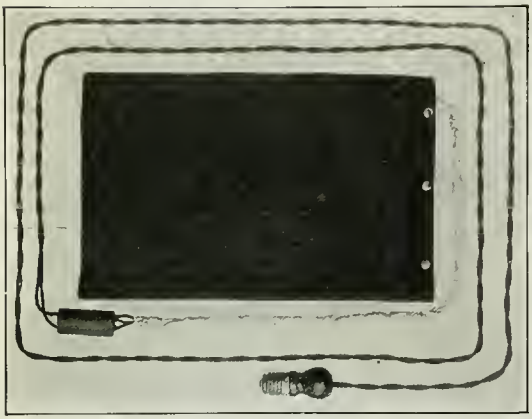
R-2055 "WEAREVER" SANITARY COMBINATION

Cloth lined, maroon, smooth surface, extra strong rubber coated fabric, all seams reinforced, equipped with holdfast stopples. In all respects exactly the same as the Wearever Sanitary Water Bottle, with the addition of complete equipment for converting if desired, into a serviceable and durable fountain syringe. The tubing and pipes are all rapid flow and of extra quality.

Size No. 2	$1 60
Size No. 3	1 75
Size No. 4	1 90

(Write for prices on quantities.)

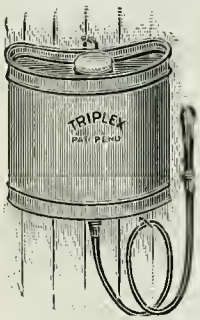
Prices Subject to Change Without Notice.



R-2070



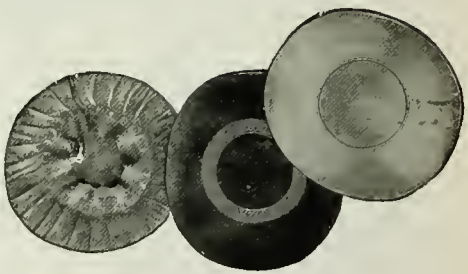
R-2075



R-2065



R-2065A



R-2080

RUBBER GOODS, ETC.

R-2065 and 2065A Triplex combination water bag and ice bag and irrigator, capacity 2 qts., including one flannel cover, three hard rubber rapid flow pipes, one length rapid flow tubing with shut-off..... 2 50

R-2070 Shaler Electro-Pad is absolutely flexible so that it can be used on any part of the body, has a thermostat that never lets the heat get over 180 degrees. Also has a sanitary detachable rubber cover which can be sterilized..... 7 00

Send for circular describing this pad in detail.

Prices Subject to Change Without Notice.

WEAREVER INVALID CUSHIONS

R-2075 These goods are also made of a strong maroon rubber coated fabric, heavily reinforced at all seams, and consequently will be found much stronger and more durable than the usual kind. Made in 7 sizes.

Outside diameter 12 inches, price..... $2 00
Outside diameter 13 inches, price..... 2 10
Outside diameter 14 inches, price..... 2 30
Outside diameter 15 inches, price..... 2 40
Outside diameter 16 inches, price..... 2 50
Outside diameter 17 inches, price..... 2 75
Outside diameter 18 inches, price..... 3 00

R-2080 BATHING AND OPERATING CAPS

Made of pure gum, perfectly smooth and seamless. Desirable for bathing and serviceable in head operations. Price..... $0 50
Made of pure gum, plaited and with large head band. Price..... 60

Prices Subject to Change Without Notice.



R-2085



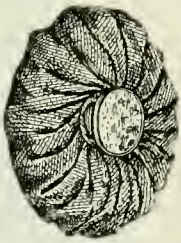
R-2090



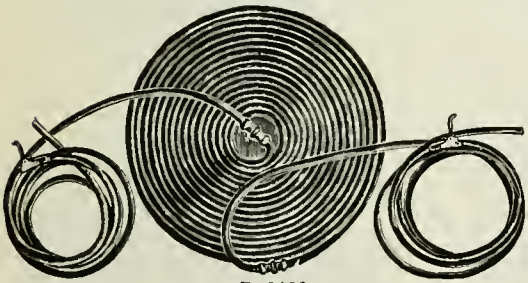
R-2095



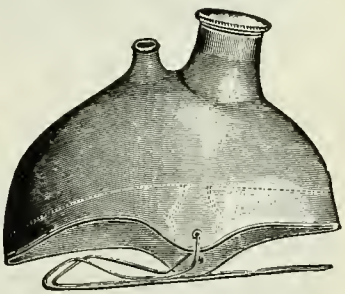
R-2100



R-2105



R-2120



R-2110



R-2125



R-2115

RUBBER GOODS

R-2085 Spinal ice bag, with screw stoppers made in two sizes, $1 75 and $2 50

R-2090 Throat and spinal ice bag, pure gum rubber, 9 in., $1 00; 12 in., $1 25; 16 in..... 1 50

R-2095 Wearever ice cap, made from extra strong maroon rubber, coated fabric with reinforced seams, price..... 1 35

R-2100 WEAREVER ICE CAP, SCREW TOP

Made from extra strong maroon rubber, coated fabric with reinforced seams and four loops. This material is not as easily pierced by sharp particles of ice as the usual kind offered. These caps are very strong and durable and will give splendid service even in hard usage.

Price $1 50

R-2105 German ice bag, of best quality, cloth covered rubber, $0 65; same pure rubber..... 1 50

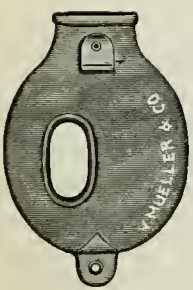
R-2110 Helmet ice cap..... 2 00

R-2115 Plain ice bag, pure gum, small, medium and large, $0 50, $0 60 and 70

R-2115A Improved mastoid ice bag..... 85

R-2120 Abdominal water coil, of best maroon tubing..... 5 50

R-2125 Head coil, best maroon rubber tubing..... 5 00



R-2115A

Prices Subject to Change Without Notice.

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-2150 R-2150A



R-2140



R-2145

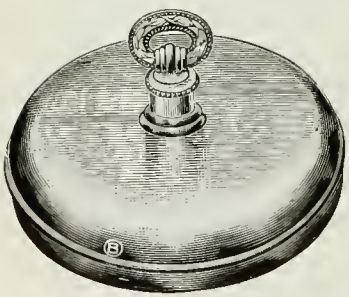


R-2135



R-2130

WATER COILS, ETC



R-2155

The Leiter coils for treatment of disease by circulation of hot or cold water. The plates and tubes are made of tombac, (an alloy of soft metals). They can be adjusted and bent to fit any part of the body. Especially serviceable for institution use.

R-2130 and R 21-35 illustrate the adjustable head coil. They are made in two sizes and sufficiently adjustable to fit all patients. Large, $5 00; small..... $4 50

R-2140 Adjustable coil for use on the leg, arm, etc., size 4x9..... 1 75

R-2145 Adjustable coil for use over the heart, etc., size 4½x7..... 1 75

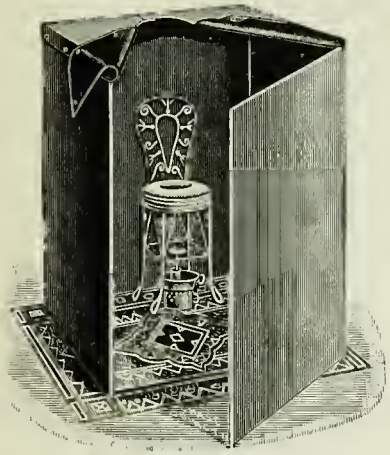
R-2150 Adjustable coil for the abdomen, back, etc., size 5x12..... 2 85

R-2150A Adjustable coil for use on the neck, etc., size, 2x12 ..... 1 60

We can also furnish these coils for use over the mastoid region and over the eye.

R-2155 Bed warmer or hot water bottle, made of polished copper, tinned inside, with heavy white metal screw cap and handle 3 75

BATH CABINETS AND WINDOW TENTS



R-2160

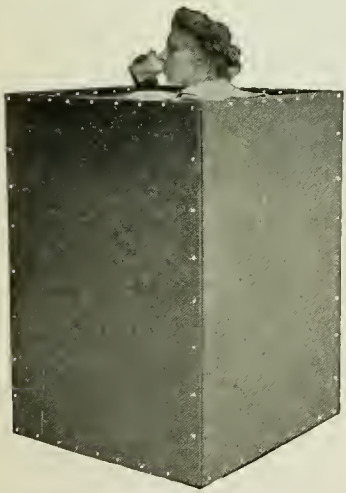
R-2160 The vapor bath is one of the best known agents for the application of heat to the body. The bath starts at a iow temperature and gradualiy increases until the desired degree of heat is reached. Tbe hot vapor enveiopes the entire body with the exception of the head, softening the skin and improving tbe general condition by stimulating the organs of elimination. It increases the activity of the skin, and renders one less susceptible to coids and other aiiments.

PRICE LIST

No. 0. Single wall, rubber lined, steel frame cabinet, made from medium weight material, folds in one-inch space; complete, including No. 2 Heater [aicohoi stove, metal rack, vapor pan] $4 00

No. 2. Single wali, rubber lined, steel frame cabinet. Folds in one-inch space. The covering is the best cabinet drill, of an attractive printed design; complete, inciuding our No. 1 Heater [improved] 5 00

No. 4 Double wall, rubber, steel frame cabinet, walls non-absorbent, germ proof, and easily rendered aseptie, foids in two-inch space; complete, inciuding our No. 1 heater [improved]..... 8 00



R-2165

R-2165 No. 3 Puritan eabinet, inciuding the No. 2 heater, price..... 5 00

Weight 12 lbs., 42 in. high, 30 in. square.

In this cabinet no effort has been spared to make a cabinet which for workmanship, durability and efficiency would far outclass any steel frame cabinet on the market. This excels any popular priced cabinet made. The heater with cabinet is a feature, and a good heater is most necessary to obtain good results, and heretofore was only furnished with high-grade cabinets.

R-2165A No. 4 Puritan cabinet; weight 10 lbs., 42 in. high, 30 in. square, price..... $3 50

This cabinet possesses the features of our other eabinets all but the opening at the top for piacing the hand through and the cioth is of iighter weight. The heater eonsists of a burner and stand.



R-2170

WALSH WINDOW TENT

R-2170 The tent comes in over the side of the bed, onto the pillow. The outside awning is let down to protect from sun, wind or storm. The tent can be made to fit any window by increasing the length of the adjustable sides.

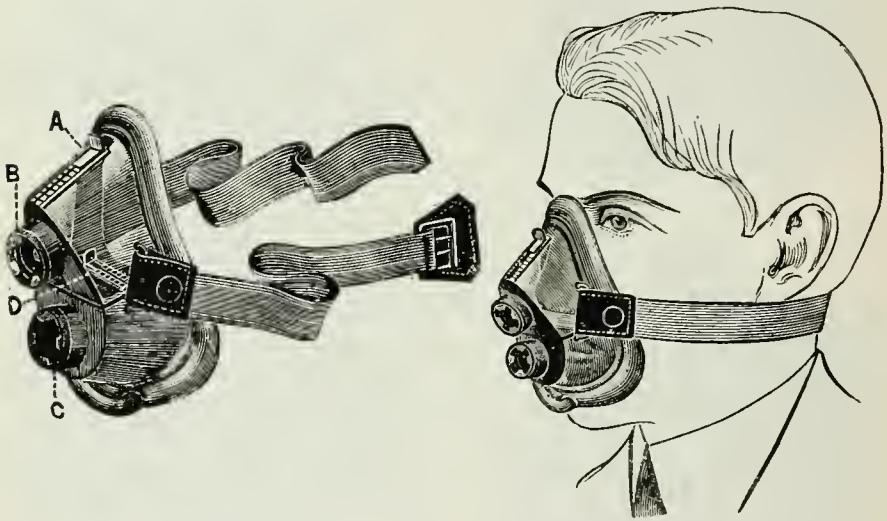
Walsh Window Tent, ready to use....$12 50
Capote, $2 00; extra detachable bottom to facilitate laundering, $1 00; complete outfit $15.00

For Electrical Bath Cabinets, see Electrical Section.

KUHN'S LUNG SUCTION MASK FOR THE HYPEREMIC TREATMENT (BIER) OF PULMONARY TUBERCULOSIS.

Professor August Bier proposed a very simple method of applying his "Stauungs hyperaemic" upon phthisical patients by suggesting that they should inspire through the nostrils under slight compression of the nose, allowing them unobstructed exhalation through the mouth. His theory was based upon proofs of the fact "that the amount of blood within the lungs determined the degree of liability of the patient to pulmonary tuberculosis."

It being a well established fact that artificial hyperemia can cure a tubercular process, Dr. Ernst Kuhn of Berlin, assistant to Professor Von Leyden, at the Charité Clinic has put this principle into practical form by constructing the so-called Pulmonary Suction Mask, which is based upon Bier's original idea of producing artificial hyperemia of the lungs by suction.



Effect and Purpose of Mask. The purpose of the mask, as above stated, is to create through an obstruction to inspiration a negative pressure in the chest cavity, and thereby produce a suction of blood to the lungs. The greater the obstruction to inspiration and the longer it is continued the more the lungs will be filled with blood. The obstruction to inspiration should not be of that degree or be so long continued as to create untoward symptoms such as headache or other unpleasant effects.

Application of the Mask in Catarrhal and Inflammatory Conditions of the Air Passages, Pulmonary Tuberculosis, Whooping Cough, and Anemia. The mask is worn for the first few days in the morning and afternoon for quarter to half an hour, with moderate hindrance to inspiration, the shutter of the nasal air chamber being adjusted to the mark 3. For the next two to three days the mask is worn from three quarters to one hour twice daily, the shutter being in the same position as above. When the respiratory muscles have become strong enough the use of the mask is continued three times or oftener a day for one hour or several times daily for one and a half to two hours. The recumbent position is best adapted to the breathing through the mask, which can also be worn during sleep.

Application of the Mask in Cases of Cardiac Weakness, Organic Cardiac Lesions, and in Bronchial Asthma. In these cases it is not the purpose to create a greater congestion of the lungs but to improve the respiration, to facilitate the abstraction of the blood from the right heart, thereby decreasing its strain and benefiting the general circulation. To this end the mask is worn during the day from ten to fifteen minutes at intervals of one to two hours, the shutter being so arranged as to create a moderate hindrance to inspiration.

Complete description of mask, its method of application and sterilization of same, accompany each apparatus. The mask is made in two sizes, for children and adults, each, net $8 00

Section "S"

Galvanic and Faradic Apparatus, Vibrators, Sinusoidal Apparatus,

Medico-Mechanical Gymnastic Apparatus, Therapeutic Lamps,

Bath Cabinets, X-Ray and High Frequency Apparatus,

X-Ray Accessories, Etc.

This department has been greatly enlarged to meet the requirements of the rapidly increasing demand for physical apparatus, both in the office of the physician and in hospital equipment. At no time has greater progress been made than during the past few years in the development of physical apparatus of all kinds, this being particularly true in the case of X-Ray and High Frequency equipment.

The modern surgeon no longer considers that he can afford to be without the service of a first class Radiographic equipment, as this branch of the art has now reached the stage where definite results may be had in radiography which were scarcely dreamed of but a decade ago, and the general practitioner also has come to appreciate what may be accomplished in the way of treatment with the various electrical and physical modalities.

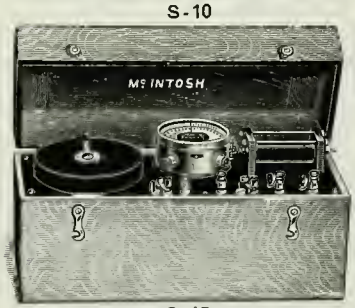
We have placed in charge of this department a man who has had extensive experience in this line and who is thoroughly competent to give our customers the benefit of his experience in the selection of equipment.

We illustrate in the following pages, only such apparatus as has the indorsement of the leading specialists in this branch. Further, we will offer nothing to our customers which is not thoroughly guaranteed by the manufacturer, and having had experience in the selection of equipment, we are prepared to give our friends among the profession the best of service with full assurance that the apparatus we are supplying is well worth the price asked, and that the results claimed may be had by following the instructions which are always sent with every article.

No attempt has been made to go into the details covering technic in the use of the various apparatus, as such description would need too much space in a catalogue. We would mention that we can always promptly supply reprints and other technical papers pertaining to the various apparatus.



S-10



S-15



S-5



S-20



S-25

GALVANIC AND FARADIC BATTERIES

THE DOMICILE FARADIC BATTERY

S-5 The faradic coil has both primary and secondary windings, which may be obtained either singly or in combination. The case is of hard wood with ebonized finish. Dimensions 8¾x7⅞x3¼.

Domicile battery with all accessories illustrated..... $5 00

ELECTROLYSIS BATTERY

S-10 The battery illustrated is fitted with six No. 4 dry cells and is designed for the removal of superfluous hair by electrolysis. The case is well made and in all the battery is most convenient.

Price complete with attachments $12 00

THE "ELABORATE" GALVANIC AND FARADIC BATTERY

S-15 This battery is intended for both galvanic and faradic currents which may be perfectly controlled and measured. The galvanic current is obtained from 25 No. 4 Columbia dry cells. The faradic current from three No. 4 dry cells. The rheostat is of the improved MacLagan type.

Price including conducting cords, universal handles and spongio discs.....$35 00

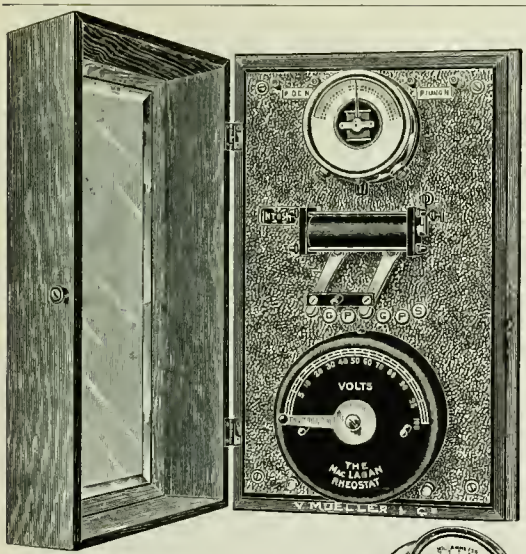
PRACTITIONER'S FARADIC BATTERY

S-20 Price with cords, universal handle and sponge discs.....$10 00

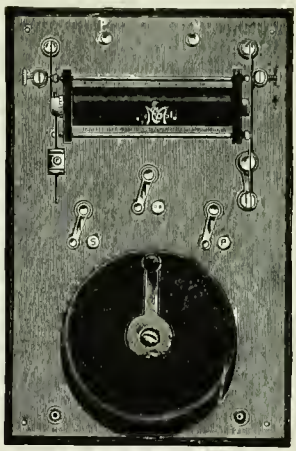
V. MUELLER & CO.'S FARADIC BATTERY

S-25 In handsome mahogany case with cords, handles, sponges and foot plate.

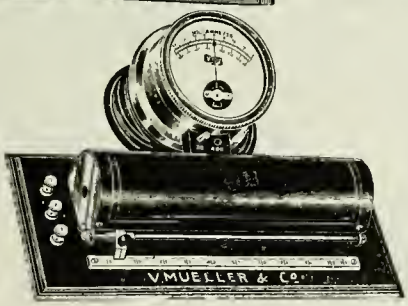
Price double cell, $7 00; single cell..... $5 50



S-30



S-35



S-40

GALVANIC AND FARADIC APPARATUS

McINTOSH NO. 7 WALL PLATE

S-30 This plate has been designed for the occasional user of galvanic and faradic currents who does not care for the automatic interrupter, or other parts which go to form the more complete outfits.

Plate delivers both galvanic and faradic currents, the former being measured through an accurate milliamperemeter. The strength of the currents is controlled by means of the MacLagan rheostat, and if galvanic treatment is being given the voltage may be read by means of this rheostat.

The faradic co'l has a single interrupter which is of the rapid variety. The switches are mounted on a marble plate measuring 9½x16 inches. The cabinet is of quarter sawed oak highly polished.

McIntosh No. 7 wall plate without cabinet.....$27 50
McIntosh No. 7 wall plate with cabinet..... 32 50

FARADIC BATH TUB SWITCHBOARD

S-35 The value of a high tension faradic current applied to the patient when in the bath, is well known. This switchboard has been designed for delivering a current of suitable strength so that treatment may be given in this way. It may be operated by means of the 110 volt direct current or three dry cells.

Faradic bath tub switchboard including conducting cords and handles.....$16 00

VICTOR GALVANIC CONTROLLER

S-40 This instrument is a thoroughly reliable controller intended for the regulation of the direct current in giving galvanic treatment, though it may be satisfactorily used on the alternating current if a rapid sinusoidal current is desired.

The rheostat is made of metal and is completely protected from injury by means of a metal cover.

Voltage may be accurately judged by means of the voltage indicator. Milliampercmeter is of the D'Arsonval type, therefore is not subject to exterior magnetic influence.

Price without milliamperemeter, arranged for 110 volt current.....$15 00
Price with milliampercmeter, arranged for 110 volt current..... 30 00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-45



S-45A

GALVANIC AND FARADIC APPARATUS; RECTIFIERS



S-65

McINTOSH NO. 12 WALL CABINET

S-45 The type 12 McIntosh plate in style G case as illustrated above is the latest addition to this firm's line of galvanic and faradic plates. Every physician will appreciate the improvements which have been made in the design of this apparatus, since by an ingenious arrangement consisting of an indicating dial all switches have been done away with. In this way the operator can instantly select the desired current, each one of the 11 modalities being clearly indicated on the dial. Figure S-45A clearly illustrates this device.

The following currents are delivered: Galvanic current of light or heavy dosage; diagnostic lamp current of wide range; fast primary faradic current; fast secondary faradic current; slow primary faradic current; slow secondary faradic current; combined galvanic and faradic currents; low potential rapid sinusoidal current from a transformer within the cabinet, (which is not grounded); high potential sinusoidal current suitable for electric baths; cautery current of small or large volume.

McIntosh No. 12 cabinet for 110 volt direct current.....$80 00
Above outfit equipped with rectifier and potential equalizer for alternating current.....105 00
Above outfit with McIntosh motor generator for supplying sinusoidal current and cautery current 105 00
Above outfit with 50 No. 6 dry cells in box with special motor generator.....116 00

McINTOSH IMPROVED ALTERNATING CURRENT RECTIFIER

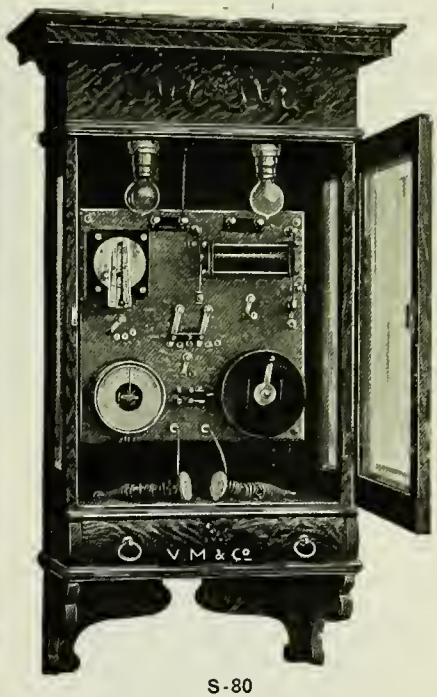
S-65 This rectifier when used on the alternating current and when equipped with the McIntosh potential equalizer, delivers a direct current for wall plate use, which is entirely free from pulsations experienced with most forms of liquid rectifiers. The potential equalizer serves to equalize the rectified current at the period where the wave reaches its highest and lowest points. If interested send for special literature describing this device.

McIntosh rectifier with potential equalizer.....$25 00
McIntosh rectifier omitting potential equalizer 15 00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-70



S-80

GALVANIC AND FARADIC APPARATUS—Continued

McINTOSH STYLE "I" ASEPTIC TABLE

S-70 We present herewith a most practical form of electrical equipment suitable to the needs of hospitals and others who appreciate the value of an apparatus capable of being rendered really aseptic. The table top and the top of cover are of porcelain enameled steel, while the legs and body are of steel, in hard baked white enamel finish. The table plate containing dial, selector, rheostat, milliamperemeter, rheotome, faradic coil, cautery transformer, etc., is placed underneath the hinged cover, which may be opened when in use. The lower shelf may be used to accommodate a rectifier or motor generator when needed, while the electrodes may be placed in two drawers provided for that purpose. The table has rounded corners with no crevices to catch the dust and is mounted upon noiseless, easy running casters. The measurements of the table are 42 inches in height, 30 inches in width and 20 inches in depth.

Price, fitted with type 12 plate $135 00

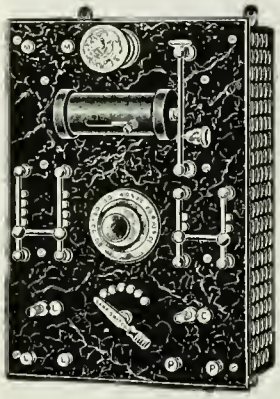
Price, style "I" aseptic table only, without plate, suitable for fitting any table or wall plate 16 inches square 67 50

McINTOSH No. 6 WALL CABINET

S-80 This instrument is well and favorably known among electro therapeutists as the type of McIntosh plate which is more generally used, from the fact that for a thoroughly high grade equipment, it is sold at a very popular price. The plate proper consists of white porcelain upon which is mounted the meter, rheostat, switches, etc. The rheostat is of the MacLagan type as used in the higher priced McIntosh cabinets. Milliamperemeter is supplied with a shunt scale giving two readings for light and heavy currents. The cabinet is built of quarter sawed oak and highly finished. Glass in the door is panelled, so that the cabinet offers an attractive appearance In every respect.

McIntosh No. 6 Wall Cabinet for 110 volt direct current or cells..... $60 00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-85



S-90

GALVANIC AND FARADIC APPARATUS—Continued

A Wall Plate, contrary to the impression of many, is not a generator but a controller of electrical current, and in selecting a wall plate this very factor should be of the utmost importance in making the final decision before ordering.

If this is true that control is the important factor of a wall plate or cabinet, then one must naturally infer that the outfit which gives the greatest refinement of control is unquestionably the best wall plate. This is the claim made for the Victor line of wall plates. We illustrate four and briefly describe five of the most popular types of Victor wall plates and cabinets.

VICTOR OXFORD PLATE

S-85 Designed to deliver galvanic, primary faradic, secondary faradic, binding posts being provided for connecting a meter in the galvanic circuit if desirable. A diagnostic lamp circuit is also provided for lighting the endoscopic or head lamps of the miniature type, this circuit being entirely independent of the patients' circuit.

The rheostat is of approved construction, all contacts are provided with plunger springs for insuring perfect contact at all times, and the finish is of the highest order. This plate is designed so that it can be mounted on either table or wall.

Price complete with one pair electrodes and cords.....$35 00

VICTOR NO. 2 WALL PLATE

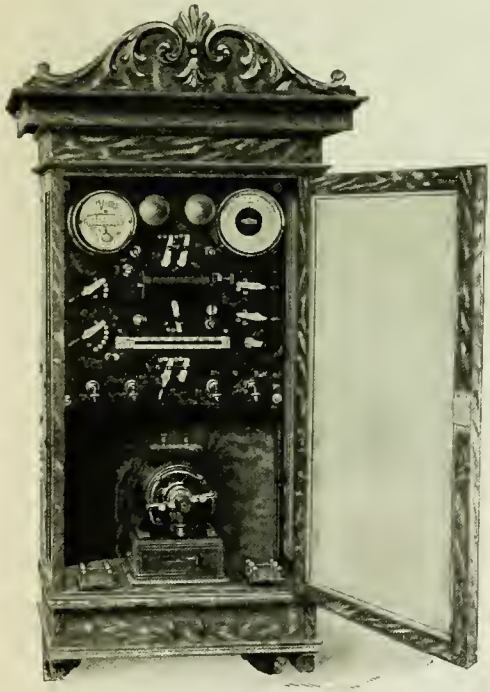
S-90 Designed for the control of galvanic, primary faradic, secondary faradic and a combination of galvanic with secondary faradic. A diagnostic lamp circuit is also provided which is entirely independent of the patients' circuit.

This plate differs from the Oxford in the following respects: The No. 2 wall plate has a double sealed "dead beat" milliampere meter and an automatic rheotome with 27 different rates of interruptions. The faradic coil is provided with two vibrators, one coarse and one fine. The currents are under finer control, which is secured by a worm gear device which makes it absolutely impossible to accidently shock the patient while the treatment is being given.

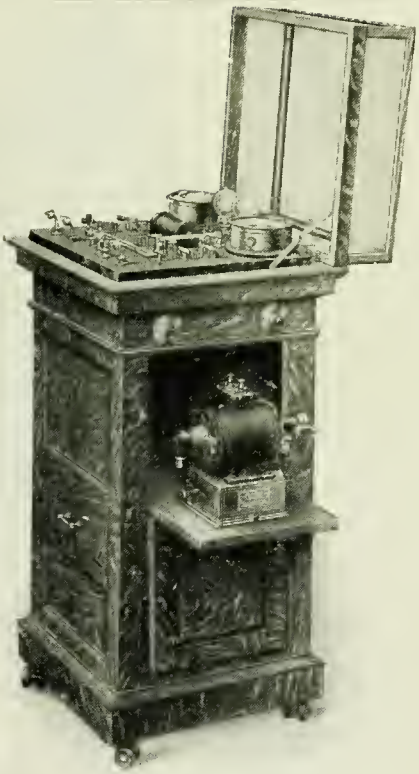
This plate is interchangeable in various cabinets and is bound to create a most favorable impression both in appearance and results obtained.

Price complete with one pair of electrodes and cords.....$75 00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-95A



S-100

GALVANIC AND FARADIC APPARATUS—Continued

VICTOR NO. 3 WALL CABINET

This outfit is not shown but consists of the same plate which is shown in the No. 2 cabinet, only it is mounted in a long cabinet similar to the No. 4 less the motor transformer.

The only difference between the No. 2 and No. 3 plates being in the mounting, the same description will apply in both outfits and personal taste will decide which plate to select.

S-95 Price, complete with one pair of electrodes and cords.....$90 00

VICTOR NO. 4 WALL CABINET

S-95A This cabinet has the same plate as has the Nos. 2 and 3 cabinets and controls all of the above mentioned currents and in addition, the cautery and sinusoidal currents with the same refinement of control.

A motor generator is mounted in the lower part of the cabinet and its function is for the generation of the two last mentioned currents.

Price Victor No. 4 Wall Cabinet.....$165 00

VICTOR NO. 5 FLOOR CABINET

S-100 This outfit delivers precisely the same currents and is in every respect a duplicate of the No. 4 combination outfit, excepting that it is in the form of a floor cabinet instead of a wall cabinet. As will be seen in the illustration, the motor transformer which generates the sinusoidal and cautery currents is mounted upon a sliding shelf so that when it is desired to obtain cautery current, a drop door is opened and this shelf pulled forward. This is only necessary when doing cautery work as the sinusoidal current is delivered to the plate through a switch which will be noticed on the outside of the cabinet.

Price Victor No. 5 floor cabinet.....$180 00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.

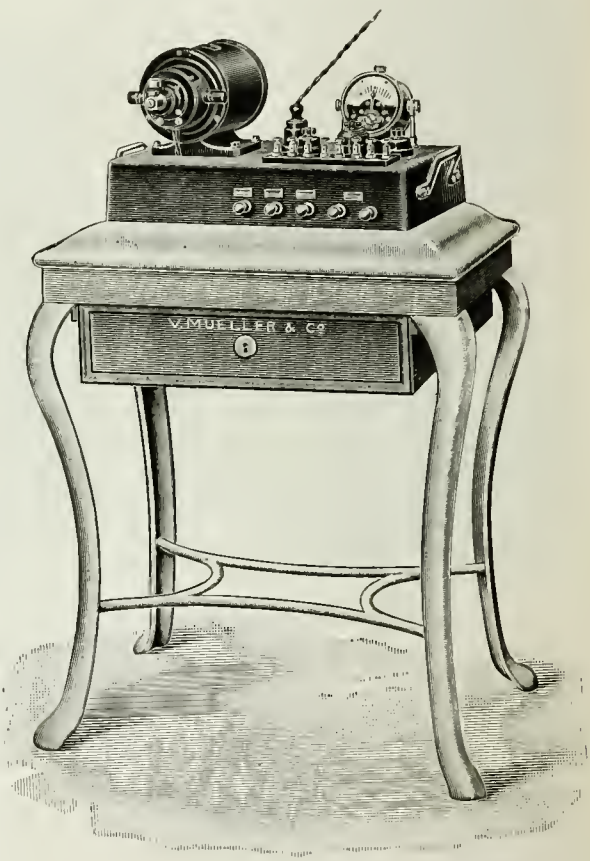
THE PANTOSTAT

An apparatus to cover all modalities, as required by the electro-therapist of to-day, under the most minute control, and of not too large proportions, has been a long-felt want The instrument shown in the illustration is known as the Pantostat or universal apparatus, which has been evolved after many years of experiment.

In this apparatus the possibility of a ground circuit and accidental shock to the patient is obviated, as the street current is used for driving the motors only; a separate dynamo generates the modalities as applied to the patient.

All of the switches, the meter and the motor are mounted on a steel base into which are built the controlling rheostats, coil and transformers required for the various modalities. The following currents are obtained from the Pantostat: (1) galvanic current, (2) current for electrolysis, (3) current for cataphoresis, (4) farado-sinusoidal current, (5) combined galvanic farado-sinusoidal current, (6) current for lighting diagnostic lamps, (7) current for heating cautery electrodes. All currents are easily controlled, a perfect regulation from zero to maximum being a special feature of the apparatus.

In addition to generating current for therapeutic application, the power of the motor can be used for driving a vibratory massage attachment, a rotary bone drill or a circular saw, a small pump for massage of the tympanum, evacuation cups for hyperemia treatment or small sprays and nebulizers.



S-105

To measure the galvanic current applied to the patient a milliampere-meter of the most accurate type is employed.

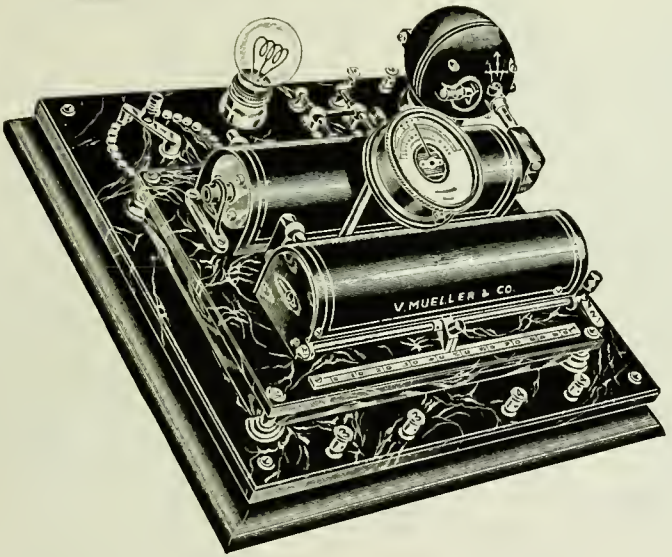
The Pantostat is mounted on a table of steel, white enameled, with rubber-tired wheels and may be easily moved about.

The entire apparatus is elegantly finished in enamel, and makes a handsome appearance.

S-105	Direct current 110 volts	$150 00
S-110	Direct current 220 volts	160 00
S-115	Alternating current 110 volts 25 or 60 cycles	175 00
S-120	Table for the above of steel, white enameled, with drawer for accessories on rubber tired wheels	30 00

Prices covering accessories on application.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-125

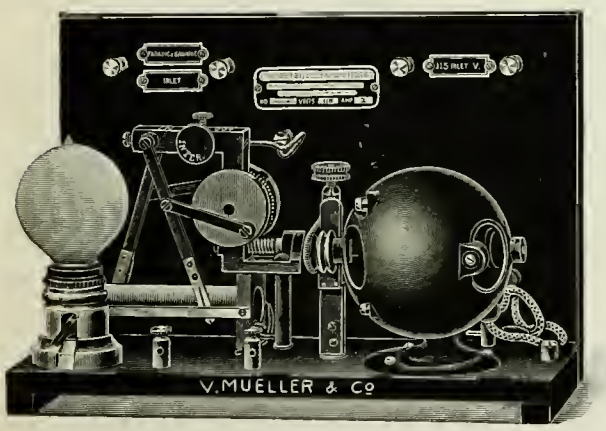
SINUSOIDAL APPARATUS

MULTIPLEX SINUSOIDAL OUTFIT

S-125 The popularity of the sinusoidal current in the treatment of intestinal and other involuntary muscles has prompted many manufacturers in designing various forms of sinusoidal apparatuses, but believe that without question the Victor Multiplex here shown offers more in the satisfactory production of this current, the minute control and excellent workmanship, than any other similar device.

The sine wave may be absolutely controlled as to the length, and a separate controller permits control of the strength of the current. In addition the apparatus delivers a very rapid sinusoidal current for cell and nerve stimulation, a galvanic and a surging galvanic current.

Multiplex Sinusoidal Apparatus for 110 volt direct current, without milliamperemeter, $85 00; with milliamperemeter $100 00



S-130

WAPPLER SINUSOIDAL MACHINE

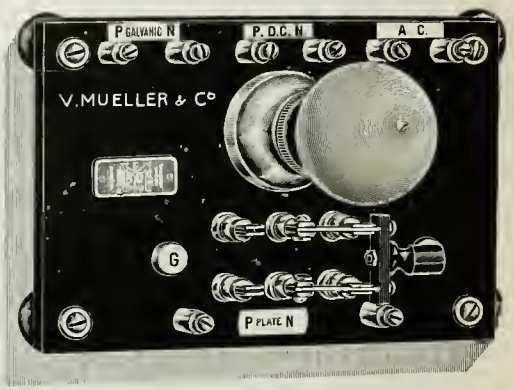
S-130 This apparatus is designed for the purpose of furnishing a sinusoidal apparatus to those members of the profession, who already have some kind of electrical apparatus without a sinusoidal machine. The selected current from a wall plate is passed through the machine and is transformed into a wave or sinusoidal current. This current gradually swells and diminishes; the pole is automatically changed and a true sine curve generated. The frequency is regulated by a tension spring. If the current from a galvanic battery is used, it can be interrupted by a small interrupter which will give a stronger muscular action and may replace the faradic.

Price $55 00

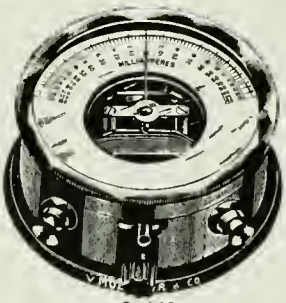
In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-135



S-145



S-140



S-150

MILLIAMPEREMETERS, RHEOSTATS, ETC.

THE COMPOSITE CONTROLLER

S-135 This Compact controller has been designed in such a way that it may be operated on either the 110 volt or 220 volt direct, and 110 volt or 220 volt alternating currents. When used on direct current it delivers galvanic for lighter forms of treatment and a suitable current for illuminating small lamps, such as cystoscopes, head lamps, etc. When used on the alternating current a very satisfactory sinusoidal current is available. Diagnostic lamps can of course be used when the alternating current is the source of supply.

Composite controler $20 00

MILLIAMPEREMETER

S-140 This meter will be found very accurate and reliable under all conditions and will work in any position. The range is from 0 to 150 milliamperes, but by the use of a shunt plug the total range may be made 30 milliamperes, thus giving easier reading when a small amount of current is used.

Milliamperemeter $10 00

SINUSOIDAL SWITCH.

S-145 Physicians having a wall plate or some other form of galvanic regulator, and also have the alternating current as a source of supply, will find this a convenient switch for throwing the alternating current into the plate for sinusoidal treatment.

Sinusoidal Switch $6 00

THE MACLAGAN WIRE RHEOSTAT

S-150 Illustrated is of the same form as used on all McIntosh wall plates. It consists of a solid block of porcelain wound closely with a special composition wire of very high resistance and great durability. By moving the lever to the right an inner lever is made to travel across the surface of the wire resistance unit. This method of regulation permits of extremely minute graduations of resistance, thus permitting increase or decrease of current without shock.

MacLagan rheostat mounted on polished oak base, with four binding posts..... $7 50

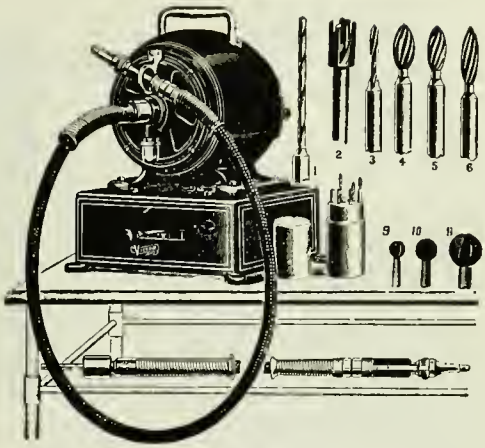
MacLagan rheostat, unmounted 6 00



S-155



S-160



S-165

EYE MAGNETS AND BONE SURGERY ENGINES

S-155 The Giant eye magnet above illustrated solves many difficulties which have here-to-fore been objected to by operators of eye magnets, in that it gives free use of the instrument in any position, yet is of such design that its pulling power is as great as can possibly be used to advantage in any case of steel or iron within the eye.

The magnet is mounted in two forms, the one as illustrated on a crane and on an iron base. The crane magnet however, is more generally used as by this method of suspension the magnet may easily be raised and lowered, and in fact moved in any position without difficulty.

It is best to use a rheostat in connection with a magnet of this immense pulling power, and we strongly advise the use of a foot controlling rheostat as illustrated, when the giant magnet is used. In this way the power may be regulated from a few pounds pull to the square inch, to the maximum of 400 lbs. to the square inch.

Eye magnets must necessarily operate on direct current, but we would here state, that where the alternating current only is available the No. 2 rectifier 925A will be found perfectly satisfactory in this connection.

Victor Giant Magnet on metal base (not illustrated) for 110 volt direct current.....$60 00
Victor Giant magnet mounted on crane without foot rheostat, for 110 volt direct current 85 00
Foot rheostat 25 00
Graduated wall rheostat 9 00

NO. 3 HAND MAGNET

S-160 This magnet is 5¾ ins. long and 1¼ ins. diameter. It will be found of great service where the particle of steel or iron is only partially imbedded, or in many cases where an incision is necessary. The tip may be introduced and brought into actual contact with the foreign body.

Price for 110 volt direct current or for batteries, including 5 tips, in leather case.....$12 00

BONE SURGERY ENGINE

S-165 The use of the motor driven bur in many operations is becoming very popular, due to the fact that by this method there is less shock, the work may be done faster and there are no rough edges as in the case of the chisel.

The engine here shown has been extensively used during the past few years in operations on the mastoid and sinuses. If interested please send for complete technical description of this engine.

Price for 110 volt direct current.....$115 00
Price for 110 volt alternating current..... 125 00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.

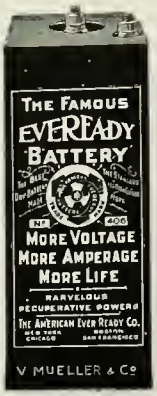

S-190



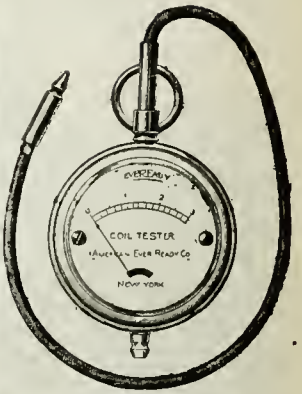
S-175



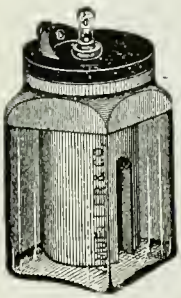
S-180



S-185



S-195



S-170



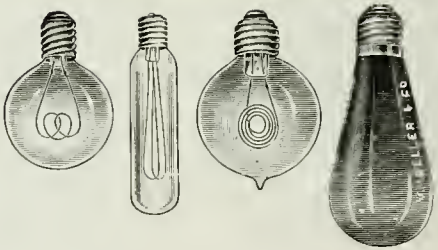
S-205



S-210



S-200

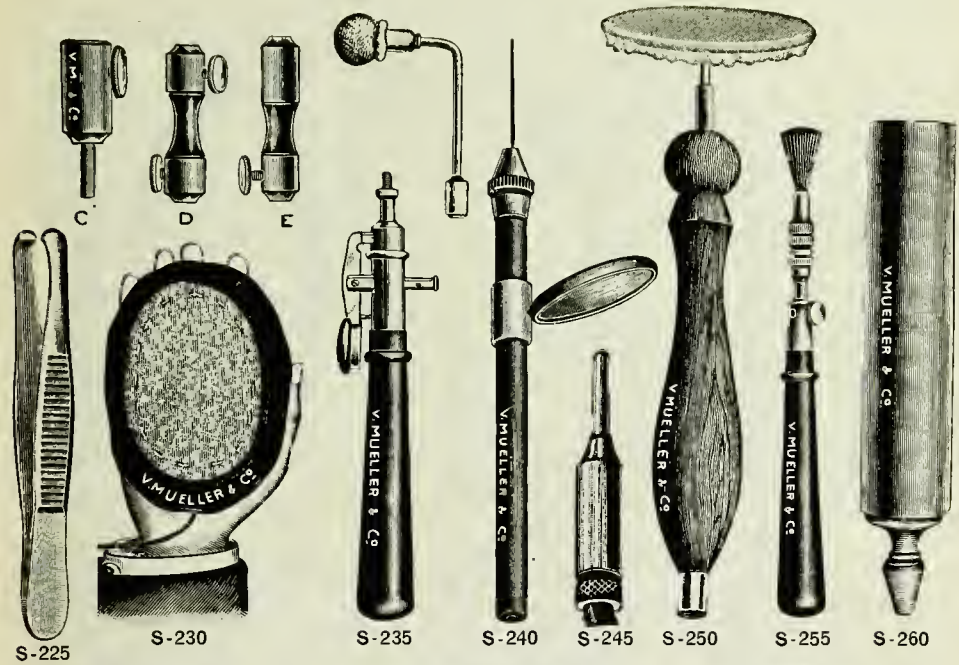


S-215

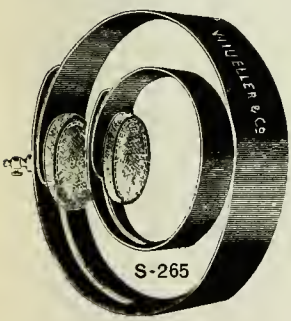
BATTERIES, BATTERY TESTERS, REDUCERS, ETC.

S-170 National wet cell battery, 4½x4½x6 inches..... $0 30
S-175 Quick Action battery connector made of one piece of copper insulated, per dozn.. 25
S-180 Columbia dry cell, No. 4 size 1½x4 ins., $0 25; No. 6 size 2½x6 ins..... 30
S-185 Ever Ready dry cell No. 6 contained in a square box, each..... 30
S-190 Multiple plug. By screwing one of these plugs into an ordinary lamp socket the operator is enabled to attach two or more instruments; two light, $1 00; three light, $1 30; four light 1 60
S-195 Ever Ready Battery Tester. This instrument combines both a voltmeter and ammeter 3 50
S-200 Socket Rheostat. A compact rheostat designed for controlling the speed of vibrators, centrifuges, etc. The speed is controlled by turning the knurled ring at the end. Will operate on 110 volt direct or alternating current..... 3 50
S-205 Reducing Rheostat. This arrangement will reduce the 220 volt direct current to 110 volt direct current, for operating wall plates, complete..... 5 00
S-210 Series Current Tap. This tap is to be used where apparatus requires a lamp in series 1 25
S-215 Incandescent lamps for illumination and resistance. Lamps listed below are for the 110 volt current, direct or alternating.
8 C. P. tipless, candle shape 75
8 C. P. tipless, round 65
8 C. P. tipless, pear shape..... 75
24 C. P. tipless, resistance lamp, natural blue glass..... 1 00
32 C. P. tipless, resistance lamp, natural blue glass..... 1 25
50 C. P. resistance lamp, natural blue glass..... 1 75
50 C. P. round bulb, spiral filament, oculist lamp..... 1 50
500 C. P. pear shape, for therapeutic lamp..... 12 00
24 C. P. round bulb, spiral filament, oculist lamp..... 1 00
32 C. P. round bulb, spiral filament, oculist lamp..... 1 25
50 C. P. round bulb, spiral filament, oculist lamp..... 1 50

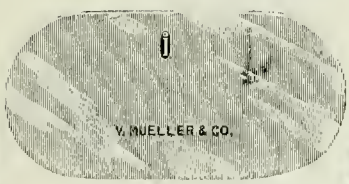
In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-225 S-230 S-235 S-240 S-245 S-250 S-255 S-260



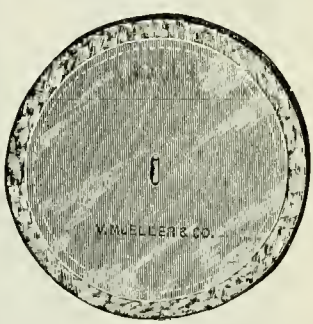
S-265



S-275



S-280



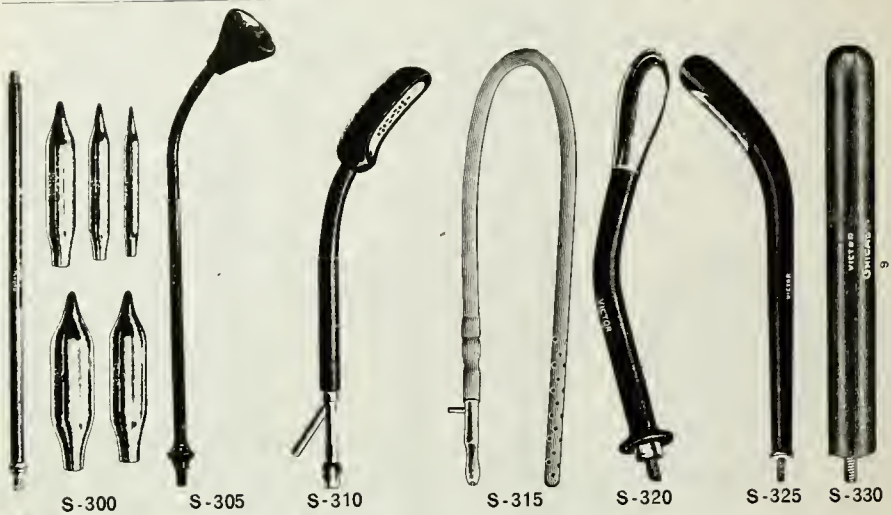
S-285

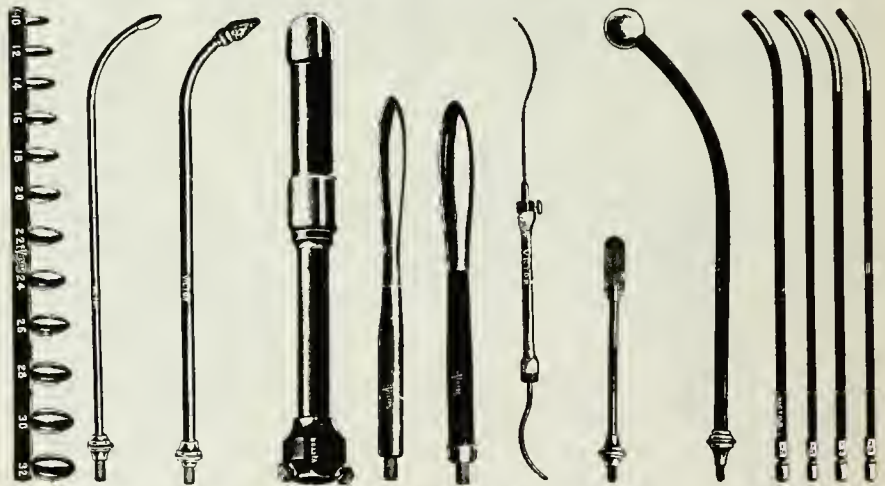
S-270

GALVANIC AND FARADIC ELECTRODES

S-220	Connectors C. D. E., each	$0 10
S-225	Epilation forceps	40
S-230	Hand sponge electrode, spongio piline, $0 60; sponge	90
S-235	Interrupting handle, metal parts are highly finished and lacquered. Handle is made of rose wood, especially useful for nerve test	2 75
S-240	Needle holder without lens, $0 75; with lens	1 50
S-245	Cord tip, universal type, each	10
S-250	Disc electrode, Dr. Hubbell's. May be covered with absorbent gauze after each treatment, each	50
S-250A	Electrode handle only, per pair	40
S-250B	Spongio discs, per pair	30
S-255	Brush electrode	75
S-260	Metal handles, nickel plated, per pair	30
S-265	Wrist or arm electrode	75
S-270	Neck electrode	75
S-275	Universal electrode, made of non-corroding flexible metal, easily adapted to any part of the body	1 00
S-280	Electrode cords, per pair, 5 ft., $0 50; 6 ft., $0 60; 7 ft	70
S-285	Abdominal electrode, Dr. P. S. Hayes', spongio piline	1 25
S-290	Needles for epilation, Hayes', bulbous pointed, each, $0 10; per dozen	1 00
S-295	Steel broaches, sharp, each, $0 07; per dozen	75

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.





GALVANIC AND FARADIC ELECTRODES—Continued

S-300	Rectal stricture electrode, Albright's, per set of 5	$4 50
S-305	Uterine electrode, cup shape, on insulated staff	1 50
S-310	Prostatic electrode, Patterson's, for cataphoric treatment	4 50
S-315	Prostatic electrode, Neiswanger's, complete with gold beater's skin	2 00
S-320	Vaginal electrode, curved, may be also used as rectal	1 25
S-325	Prostatic electrode, Bowen's	3 00
S-330	Vaginal electrode, nickel plated	75
S-335	Urethral olives, No. 10 to 32 Fr. per set of 12	1 50
S-340	Staff for urethral electrodes, flexible or hard rubber each	50
S-345	Laryngeal electrode with sponge tip	60
S-350	Vaginal electrode, bipolar, Goelet's	2 00
S-355	Rectal electrode, nickel plated	60
S-360	Rectal electrode, insulated polished hard rubber stem	90
S-365	Intra-uterine electrode, Martin's, double end, copper	1 50
S-370	Eye electrode, copper	50
S-375	Vaginal electrode, Goldspohn's, copper, $1 00; carbon, $1 25; zinc	1 25
S-380	Intra-uterine electrode, Neiswanger's, copper, set of 4, $4 00; one only	1 25

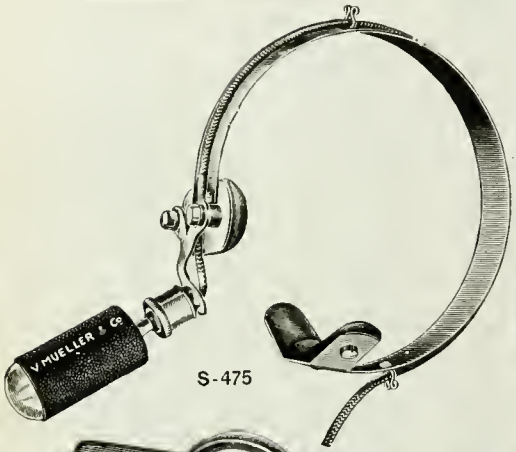
In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



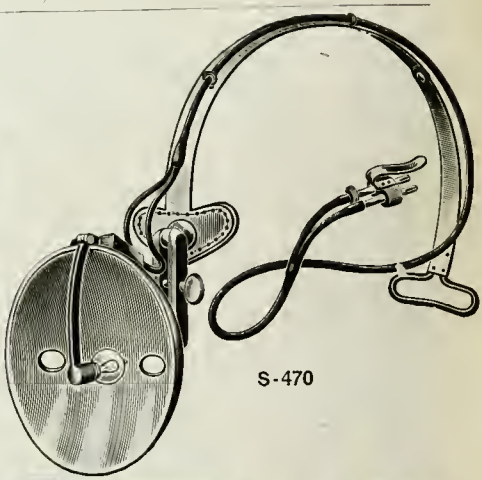


GALVANIC AND FARADIC ELECTRODES—Continued

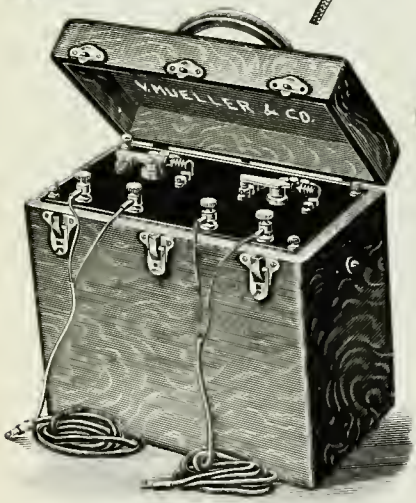
S-385	Intra-uterine dilating electrodes, Goelet's, set of three with one staff, nickel plated, $1 25; copper, $1 50; zinc	$1 50
S-390	Urethral electrode, flexible	50
S-395	Cataphoric urethral electrode	1 50
S-400	Urethral cataphoric electrode, Nelswanger's, for application of thiosinamin, with two olives, 18 and 24 Fr	3 00
S-405	Cervix electrode, Nelswanger's cataphoric, for application of thiosinamin	3 00
S-410	Varicocele electrode, Nelswanger's. Plates are of block tin	1 00
S-415	Intra-uterine electrodes, Goldspohn's, copper, set of four, 12 to 20 Fr	3 00
	One only	1 00
S-420	Eye electrode	1 25
S-425	Vaginal electrode, Nelswanger's cataphoric, with perforated copper ball	2 50
S-430	Rectal electrode, copper, $1 50; nickel plated	1 25
S-435	Rectal electrode, copper	1 00
S-440	Nasal electrode, Sharp's, copper, single, $0 75; double	1 50
S-445	Anaesthetizing electrode, Dr. Rice's. Especially designed for use on the lip	2 00
S-450	Anaesthetizing electrode	2 50
S-455	Rectal electrode, Patterson's, perforated copper bulb	2 25
S-460	Cervix electrode, Fitz Hugh's, copper	1 50
S-465	Illustration shows one of a number of well selected sets of electrodes, we carry such sets for all classes of work, and when so purchased a saving in the price of electrodes may be made. Send for special list.	



S-475



S-470



S-490



S-480



S-485

HEAD LAMPS, CONTROLLERS AND BATTERIES

S-470 Klaar Electric Head Lamp. This lamp is constructed along original lines, in as much as it is adjustable as to the field of light, and is entirely free from the objectionable shadows which are so often cast by electric head lamps.
Price, Klaar electric head lamp $19 00

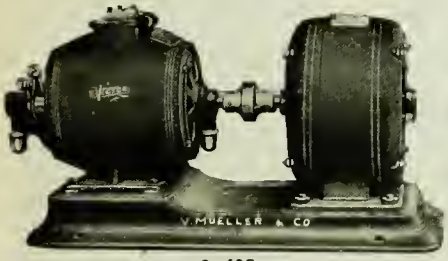
S-475 V. Mueller & Co.'s Electric Head Lamp. This lamp is substantially constructed, having a powerful incandescent lamp, the light of which is concentrated through a condensing lens of such proportions as to give an intense field of light at the proper operating distance.

When desired we can supply a heavy fibre head band in place of the steel band without additional cost.
V. Mueller & Co.'s Electric head lamp..... $12 50

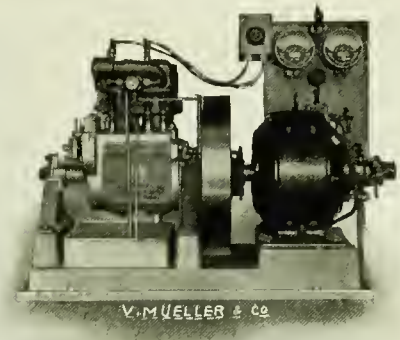
S-480 Socket Rheostat. This rheostat when used from any ordinary electric light socket serves as a means of reducing and controlling current, so that various forms of miniature lamps may be used.
Socket controlling rheostat, complete with resistance lamp as illustrated..... $9 00

S-485 Pierce Electric Head Lamp. The light is supplied by an S. C. P. lamp and the reflector being made of aluminum does not tarnish.
Pierce electric head lamp for 110 volt current..... $7 50

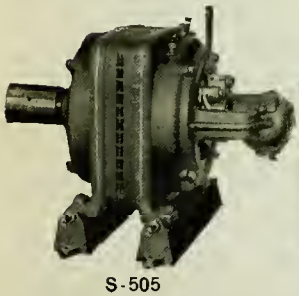
S-490 Dr. Chevalier Jackson's portable double circuit illuminating battery.
We recommend this battery to users of bronchoscopes, cystoscopes, etc.
Dr. Chevalier Jackson's illuminating battery without cords.....net $25 00



S-495



S-500



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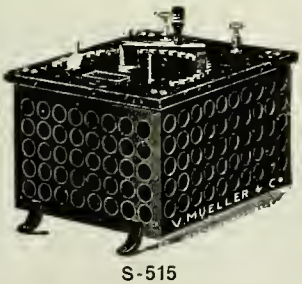
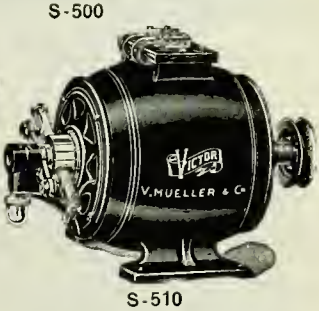


S-515



S-510

GENERATING SETS, MOTORS AND DYNAMOS

DIRECT-CONNECTED GENERATING SET

S-495 The Victor direct-connected set, illustrated, consists of an alternating current motor attached by means of an insulated coupling to a direct current generator, which generates direct current suitable for operating therapeutic cabinets, galvanic controllers, wall plates, small eye magnets, etc. The larger generating set has a capacity of one ampere at 110 volts. The smaller size about one-half this capacity. The direct current generated is even and smooth, closely resembling that which is obtained from cells.

A pulley is attached to the motor shaft of the larger size, thereby making it useful for operating air compressors and other motor driven appliances.

No. 1 generating set for 60 cycle alternating current.....$60 00
No. 2 generating set for 60 cycle alternating current..... 90 00

DIRECT-CONNECTED GASOLINE ENGINE AND GENERATOR

S-500 Where no current is available this set can be operated at but little more expense than if current were bought from the central station. It is of the very highest grade construction in every respect and requires but little attention.

Prices vary according to the output desired.

VARIABLE SPEED ALTERNATING CURRENT MOTORS

S-505 We call attention to the fact that we can now supply a first class alternating current motor, the speed of which may be controlled without the use of a rheostat. These motors are thoroughly reliable and fully guaranteed.

Prices are based on current of from 104 to 115 volts, 60 cycle.

1-8 horse power $27 00
1-6 horse power 40 00
1-4 horse power 50 00
1-3 horse power 58 00

DIRECT CURRENT MOTORS AND DYNAMOS

S-510 We recommend the Victor direct current motors and dynamos for physicians' use, for the reason that they are especially designed for this class of service. Their construction is of the best, and being carefully made they are extremely quiet in operation.

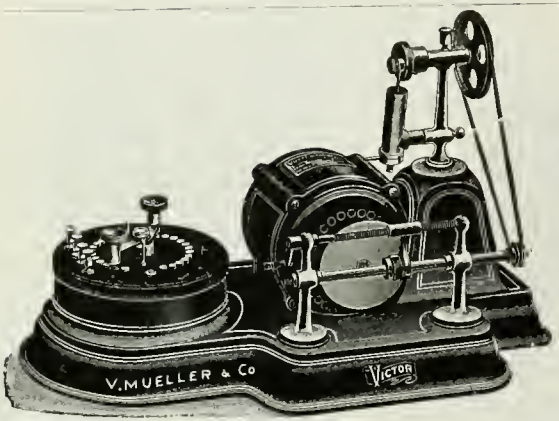
1-8 horse power motor or dynamo.....$22 50
1-6 horse power motor or dynamo..... 30 00
1-4 horse power motor or dynamo..... 42 50

SPEED CONTROLLING RHEOSTATS

For direct current motors.

S-515 1-8 horse power 5 50
S-515A 1-6 horse power 8 00
S-515B 1-4 horse power 9 00

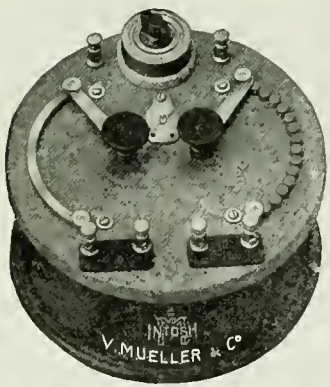
In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-520



S-525



S-530



S-535

CAUTERY TRANSFORMERS FOR ALTERNATING CURRENT

VICTOR NO. 6 COMBINATION TRANSFORMER

S-520 This Transformer has been designed for the same service when supplied with the alternating current, as is obtained from the Victor No. 2 transformer Fig. S-540 on direct current. The Masseur pump is of the Pynchon type, with the difference that its speed in this case is controlled entirely by mechanical means instead of only partially so as is the case in the direct current outfit. Any number of strokes from 60 to 4,000 per minute may be had.

Price of outfit as shown for 60 cycle 104 volt to 115 volt current.....$100 00
Price of outfit without cautery transformer..... 75 00

VICTOR ALTERNATING CURRENT CAUTERY TRANSFORMER

S-525 Illustration shows this transformer as arranged for 52 or 104 volt alternating current. When so specified it may also be supplied to operate on 220 volt alternating current.

The arrangement is such that cautery knife may be heated and diagnostic lamp lighted at the same time, each controlled independently. From the smallest to the very largest knife may be heated.

Price $25 00

McINTOSH NO. 1 CAUTERY TRANSFORMER

S-530 Is arranged with two separate rheostats, one for cautery, the other for miniature lamps, each rheostat being operated independently of the other.

A new and very convenient form of controller is supplied for examiuing lamps, making it possible to regulate this current to the finest degree.

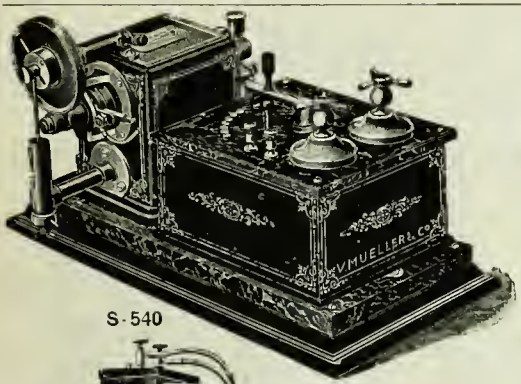
Price for 104 to 115 volt alternating current.....$25 00

COLUMBIA CAUTERY TRANSFORMER

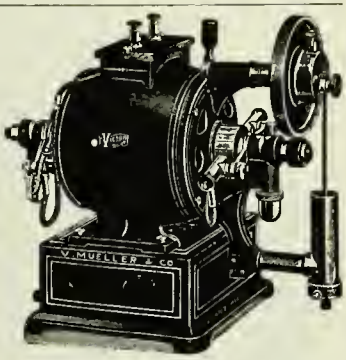
S-535 This is a compact efficient transformer, arranged with circuits for both cautery and diagnostic lamps. For the average cautery electrode or examination lamp the current delivered is quite ample, though we do not recommend this transformer for heavy work or for lamps requiring a comparatively heavy current.

Price for 104 to 115 volt alternating current.....$16 00

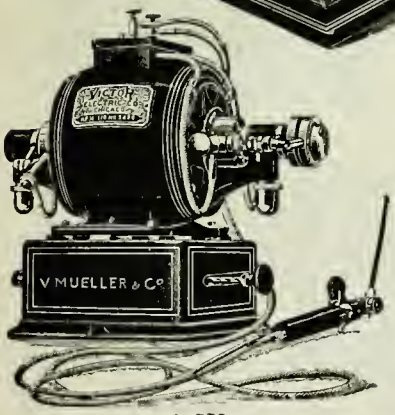
In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



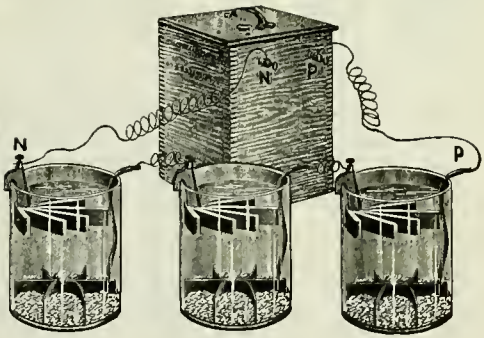
S-540



S-545



S-550



S-555

CAUTERY TRANSFORMERS FOR DIRECT CURRENT

VICTOR NO. 2 CAUTERY TRANSFORMER

S-540 This well known transformer combines several features which make it an especially useful apparatus for eye, ear, nose and throat specialists, or for the general pactitioner. The transformer delivers current suitable for the heaviest cautery electrode, for diagnostic lamps and a sinusoidal current of comparative high rate of reversals when used through some form of rheostat.

The Masseur pump is of the Pynchon type and of especially fine construction.

By an arrangement of the valves it is possible to secure vacuum, suction with release, suction and compression, or compression.

The length of stroke is adjustable and the speed is of course controlled by means of the rheostat.

Provision is made for attaching a flexible shaft for nasal drilling, trephining, etc., or for a flexible shaft vibrator.

Price for 110 or 220 volt direct current without pump.....$65 00
Additional for pump 25 00

VICTOR NO. 10 TRANSFORMER

S-545 This transformer is built along the lines of the No. 2, but is of more compact design. It delivers all the currents which are to be had from the No. 2, with the exception of sinusoldal.

Price complete as shown arranged for 110 volt direct current.....$65 00
For 220 volt add $3 00 to above price.

VICTOR NO. 8 TRANSFORMER

S-550 The No. 8 transformer is of the same general design as the No. 10, but is not arranged for the attachment of the Masseur pump, or for operating flexible shaft devices. (Can also be supplied so that a rapid sinusoidal current may be obtained, though an additional rheostat is necessary for controlling the voltage of this sinusoidal current.)

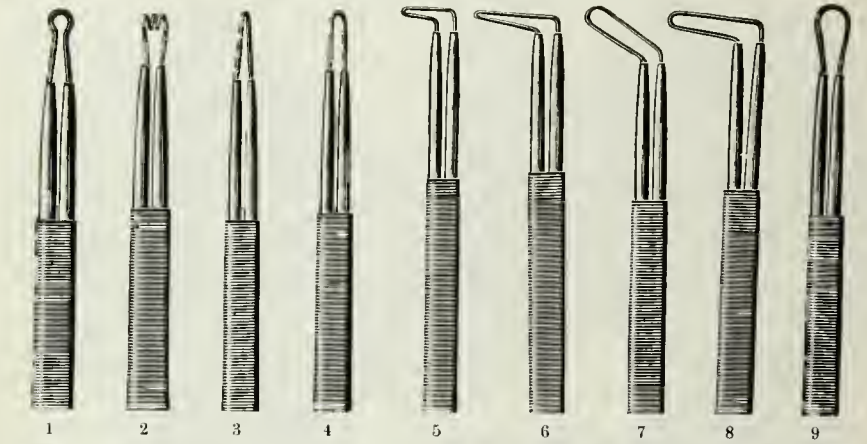
Price for 110 volt direct current.....$35 00
Additional for 220 volt direct current..... 3 00
Additional for sinusoidal current 12 00

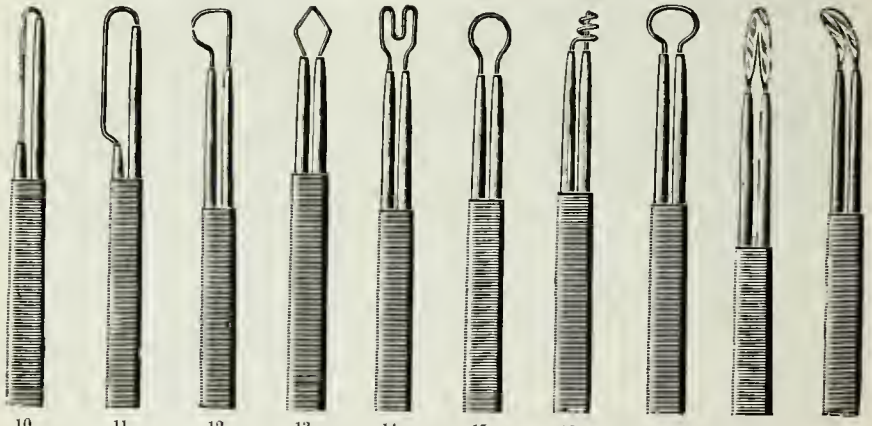
STORAGE BATTERY CAUTERY APPARATUS

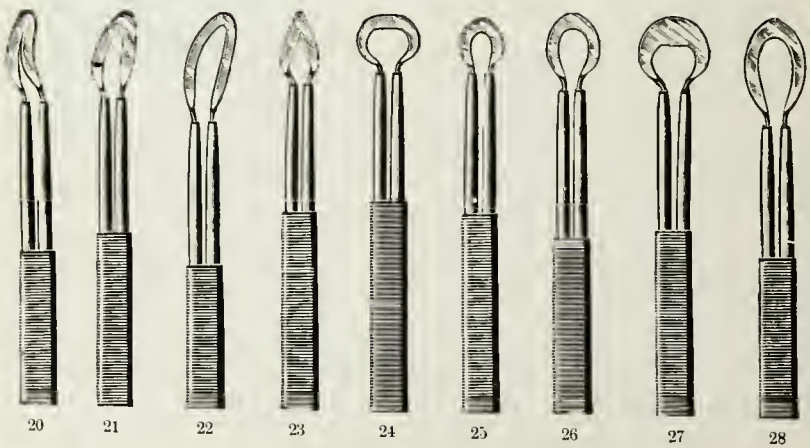
S-555 To the physician who has no electric light service available, we can recommend this storage battery as a thoroughly reliable cautery apparatus. This battery is charged by means of three primary cells, the solution for which can be prepared in a few minutes' time.

Price of one cell storage battery.....$8 50
Three gravity cells 2 50

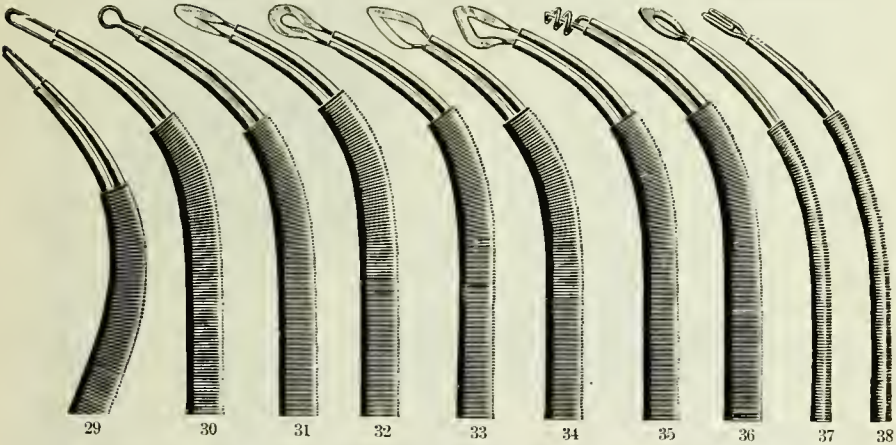
In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.







S-560



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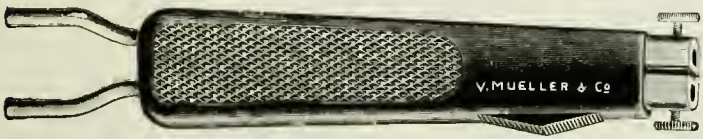


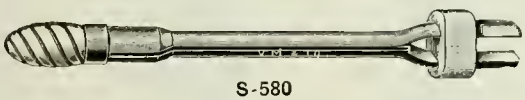
S-565



S-570



S-575



S-580



S-585

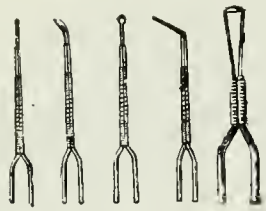
CAUTERY ELECTRODES

S-560 Nos. 1 to 19 inclusive, and No. 25, each..... $0 75
Nos. 20 to 24 inclusive, and No. 26, each..... 90
Nos. 27 and 28, each..... 1 00
Nos. 29 to 38 inclusive, each..... 1 10

EXTRA HEAVY CAUTERY ELECTRODES AND HANDLE

S-565 Heavy cautery handle with ebony insulation sliding contact, and nickel plated armature $11 00
S-570 Heavy cautery electrode, haemorrhoidal..... 6 00
S-575 Extra heavy cautery electrode, flat, knife shape..... 10 00
S-580 Extra heavy dome shape, cautery electrode with porcelain insulator 16 mm. long and 7 mm. diameter..... 9 00
S-585 Extra heavy cautery electrode, sharp pointed..... 10 00
The heavy electrodes S-575, 580 and 585 can be used with cautery handle S-565 only.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



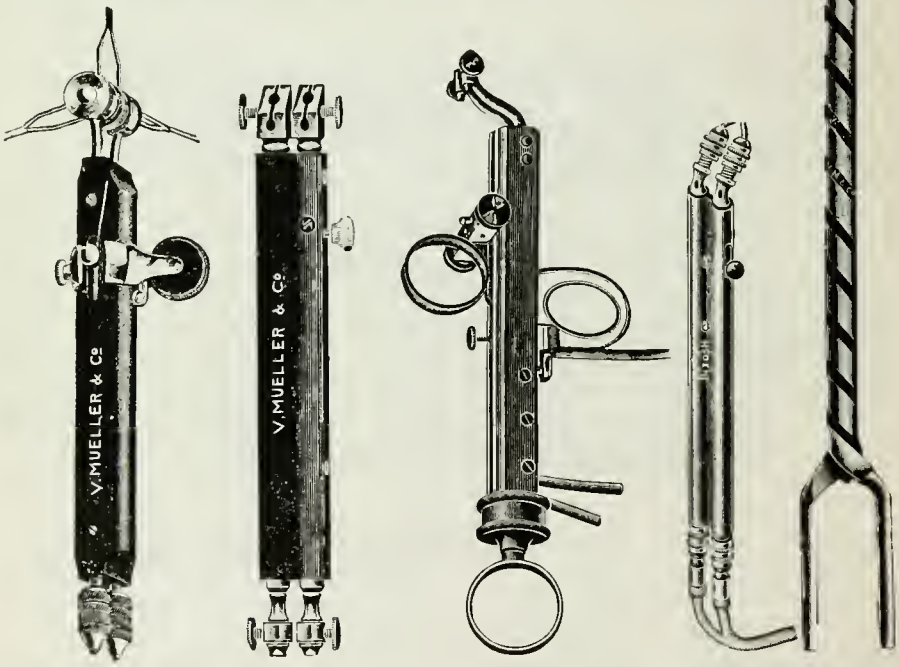
S-590



S-595



S-600

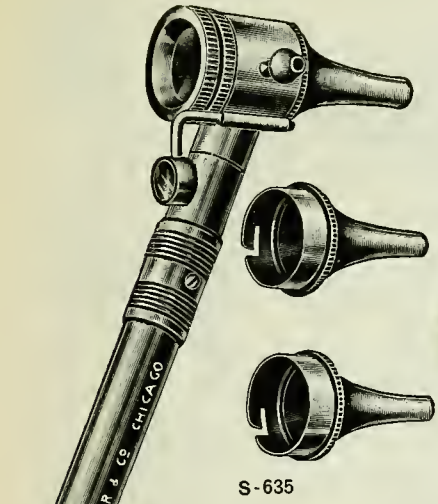


S-605 S-610 S-615 S-620 S-625

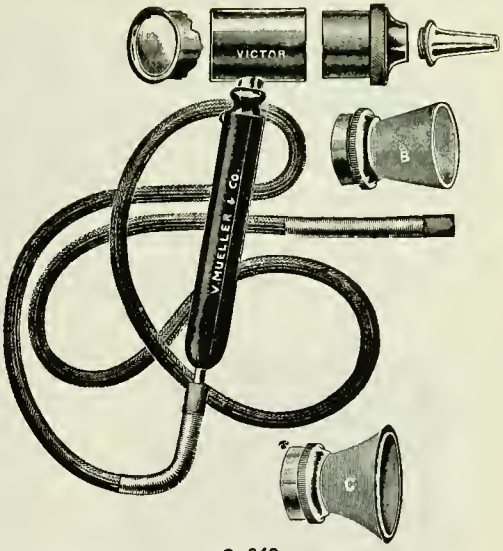
CAUTERY ELECTRODES, CORDS AND HANDLES

S-590	Eye cautery electrodes, five different shapes, each	$0 90
S-595	Ziegler's set of eye cautery electrodes, with ivory cautery handle in plush lined leather case	16 00
S-600	Eye cautery handle with cautery cord	3 50
S-605	Victor cautery handle, with snare wheel, $4 75; without snare wheel	4 00
S-610	Plain cautery handle	1 75
S-615	Schech cautery handle with snare attachment	9 50
S-620	McIntosh all metal cautery handle	2 50
S-625	Aseptic cautery electrodes of various shapes, each	1 25
S-630	Extra heavy cautery cords, 6 ft	1 50

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-635



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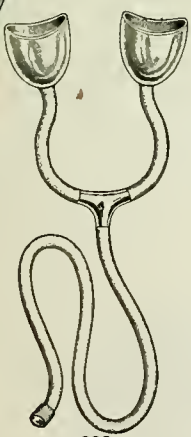
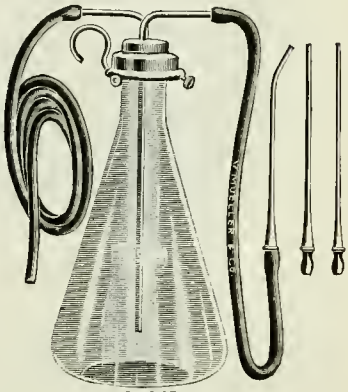


S-660



S-650



S-645

ACCESSORIES FOR USE WITH COMBINATION TRANSFORMERS

ELECTRICALLY LIGHTED PNEUMO AUROSCOPE

S-635 This auroscope is of substantial construction and combines the features of a pneumatic and operating instrument. The lens and mounting fit as a cap to seal the end of the instrument, making it a perfect otoscope. A lamp is fitted with a lens which focuses the light. The sliding switch on the handle controls the light.
Price complete with three specula and cord..... $9 50

PNEUMO MASSAGE HANDLE

S-640 This instrument can be attached to any ear pump, for the pneumatic massage of eye and ear; also by means of the soft rubber attachment C may be used for general cupping. A magnifying lens is set in the back so that the effects may be observed. A valve is provided so that the air may be easily controlled by the thumb.
Price as shown without attachment C, $7 00; attachment C..... $1 50

VACUUM BOTTLE

S-645 This bottle is being successfully used for the collection of mucous and blood during operation. When connected to one of the Masseur pumps, sufficient vacuum is produced to do the work, this making the operation practically free from the usual swabbing, etc.
Price $8 00

SURGICAL CABLE, SHEATH AND HAND PIECE

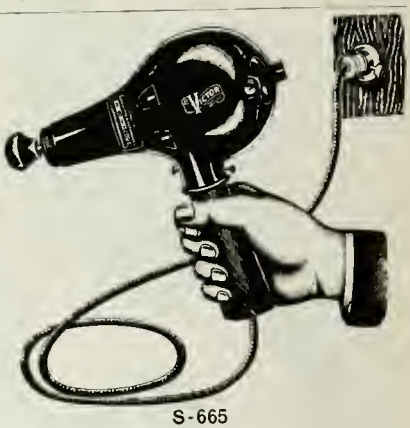
S-650 This attachment may be used with the transformers shown with motor in connection.
Price $15 00
S-660 Glass eye cups for pneumatic massage, single, $1 25; double..... 2 00

PORTABLE VIBRATORS

VICTOR PORTABLE VIBRATOR

This vibrator will be found to fill a well recognized demand for a comparatively light and portable vibrator. Both the oscillatory and percussion strokes are obtained. The regulation of the strength of stroke is controlled by means of a visible scale.

S-665 Price complete with carrying case and applicators for either direct or alternating current of 110 volt.....$45 00



S-665



S-670

SHELTON PORTABLE VIBRATOR

The Shelton Portable Vibrator is probably better known than any other vibrator of this type. It is simple in construction, strong, durable and has no small parts to wear, break or get out of order. Weighing but 3½ lbs., it does not tire the operator, yet is capable of giving a very powerful stroke for vibratory stimulation. The strength of vibration is controlled by means of a small lever within reach of the finger, making it possible to control the strength without stopping the motor. It gives two movements, the wave or Swedish massage movement, and the percussion for deep vibration.

S-670 Price complete in carrying case as illustrated for 110 volt current $45 00

ROYAL PORTABLE VIBRATOR

This vibrator meets a popular demand for an inexpensive machine which may be used either by the physician in the office, or in many cases by the patient in the home. The outfit is well constructed having bronze bearings throughout, copper commutator, adjustable speed and is well balanced so that it is very quiet in operation.

The form of stroke delivered is circular, thus imparting a rubbing movement to the parts under treatment.

Will operate in either direct or alternating current of 110 volts.

S-675 Price complete with carrying case and applicators as illustrated $25 00



S-675

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-710



S-700



S-705

OFFICE VIBRATORS

S-700 The Victor No. 1 Vibrator is designed for and sold to physicians exclusively, and is unquestionably the best massage vibrator on the market.

The outfit consists of a Victor massage motor, especially wound for this work, and to the motor is attached the Victor No. 1 massage handle, which delivers three forms of vibratory massage, viz.—(1) percussion stroke; (2) frictional or rubbing stroke; (3) synchronous wave—a most important movement in massage. The strength of stroke as well as the number of vibrations is at all times under perfect control of the operator. The handle is designed in such a way that it can be used for general massage without any applicators, and for local work the applicators are attached to the handle.

As the applicators are not connected direct to the running apparatus, the speed or strength of stroke is not affected by pressure. This machine is furnished with or without pedestal as desired.

Price, complete with 6 applicators arranged for 110 volt direct current.....$70 00
Price, complete with 6 applicators, arranged for 110 volt alternating current..... 75 00
Pedestal as Fig. S-700 extra..... 20 00
S-705 Pedestal, extra..... 10 00

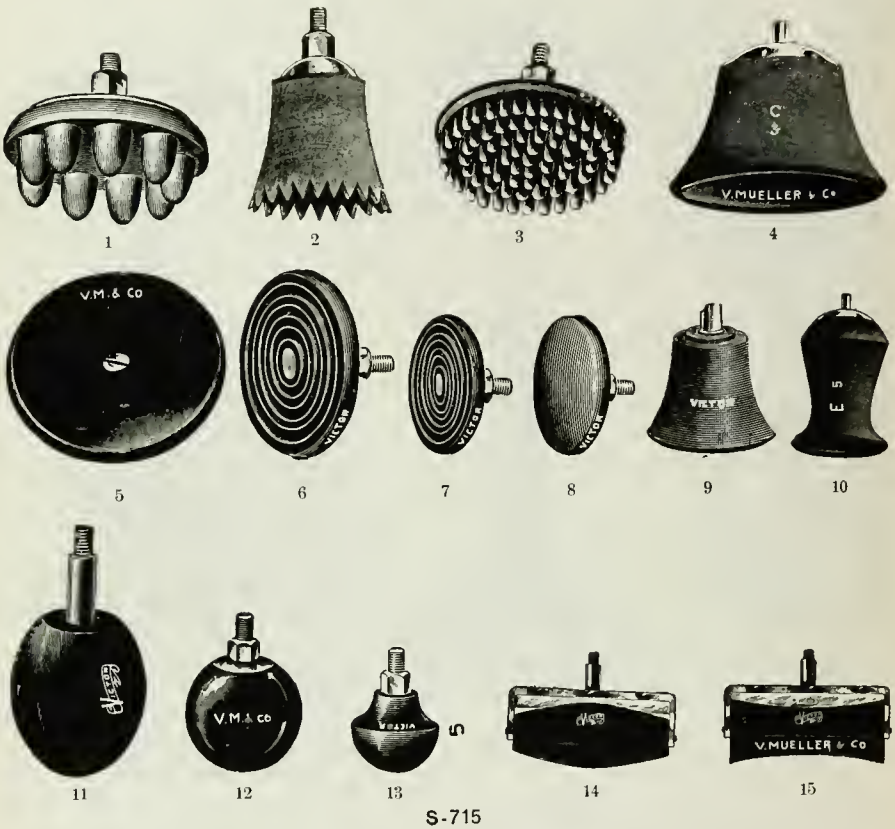
VICTOR MASSAGE HANDLES

S-710 For the benefit of those who are already equipped with the proper method of power and wish to use a vibrator, we are prepared to furnish the Victor massage handle, which is ordinarily supplied with the Victor No. 1 vibrator, for attachment to any motor which has facilities for attaching a flexible shaft.

The Victor handle is furnished in two sizes, the No. 1 size being the largest and having sufficient power for the most deep seated work. The No. 2 handle is designed more especially for the eye, ear, nose and throat specialist for use about the face and head. It is not recommended for general body work, as it is not capable of producing vibration of deep penetration.

Price of No. 1 handle with six applicators.....$35 00
Price of No. 2 handle with four applicators..... 25 00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



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S-715

VIBRATOR APPLICATORS

S-715	No. 1 soft rubber brush applicator	$0 90
	No. 2 soft rubber corrugated cup	60
	No. 3 soft rubber multiple point brush	75
	No. 4 soft rubber cone, adapted to mastoid and head	60
	No. 5 large concave heart applicator	1 25
	No. 6 hard rubber corrugated disc for abdominal massage	75
	No. 7 small corrugated hard rubber disc	60
	No. 8 cushioned applicator for general work	90
	No. 9 soft rubber cone	60
	No. 10 soft rubber cone for eyes and nose	60
	No. 11 rectal for external use	75
	No. 12 solid soft rubber ball, 1⅛ in. diameter	75
	No. 13 hard rubber	75
	No. 14 large convex hard rubber muscle roller	1 25
	No. 15 large concave hard rubber muscle roller	1 25

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.


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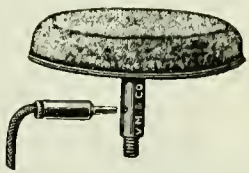
18-19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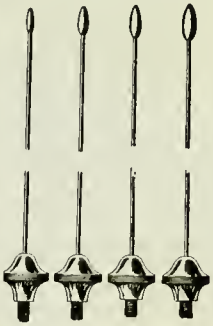
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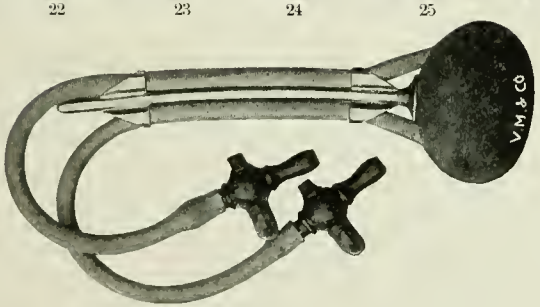
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S-715

VIBRATOR APPLICATORS—Continued

S-715	No. 16 spinal applicator of metal	$1 25
	No. 17 hard rubber for throat	75
	No. 18 soft rubber rectal applicator, 5 in. long	1 50
	No. 19 soft rubber rectal applicator, 13 in. long with flushing attachment	2 50
	No. 20 combination applicator and electrode	60
	No. 21 metal rectal cone, J. R. Pennington	1 50
	No. 22 hard rubber rectal, internal	75
	No. 23 straight prove for mucous membrane	50
	No. 24 hard rubber uterine	1 40
	No. 25 spring for lessening severity of vibrations illustration shows application	50
	No. 26 bougie for massaging prostatic region through urethra, soft metal, four sizes, each	75
	No. 27 fluid applicators, vaginal. A satisfactory applicator for uterine and vaginal treatment. The rubber bulbs are inserted before filling with hot or cold water. Large, medium and small.	
	Stem and stop cocks	3 00
	Applicators, each	1 00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-720



S-720A

ZANDER MEDICO-MECHANICAL GYMNASTIC APPARATUS

The Zander medico-mechanical gymnastics, or the gymnastic method invented by Dr. G. Zander of Stockholm, makes use of ingeniously constructed apparatus designed to call forth the activity and exercise of the muscles, which is the essence of all gymnastics. The so-called manual method makes use of the muscular strength of another person for the said purpose; whereas in free exercises or so-called pedagogic gymnastics, the resistance necessary for the muscle work is represented by one's own weight of body.

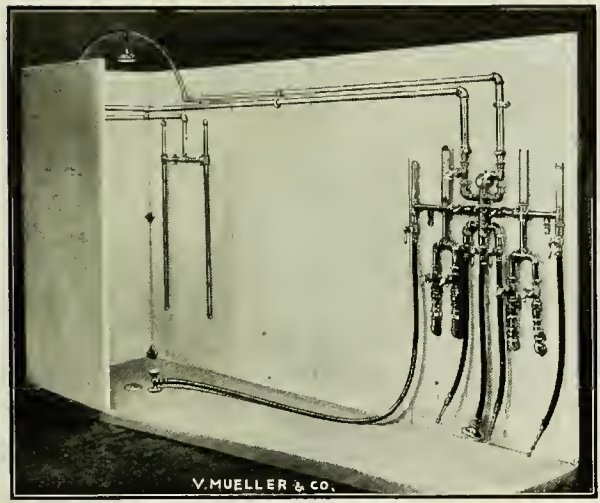
In the Zander method the work required for the exercise and strengthening of the muscles is produced by raising the lever of the apparatus furnished with a movable weight. Such regular and gradual muscular exercises, always modified according to the strength of the patients, not only act on the muscular tissue, the pathological conditions of which are removed, but they also strengthen the nervous system and promote the circulation of the blood and lymph and the activity of many organs.

The Zander method does not exclusively employ active muscular exercises, though these are of the greatest importance, but also passive movements on a large scale i. e. such as move the members of the body without the help of the muscles, stretching and softening capsules, tendons, ligaments and muscles. Finally it employs mechanical operations such as vibration, percussion, kneading, rolling and friction.

The apparatus above illustrated shows two of some 50 various forms of Zander apparatus which is now being constructed in this country according to the original ideas of Prof.. Zander.

Complete descriptive literature and prices will be sent upon request.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-725

HYDROTHERAPEUTIC APPARATUS

S-725 The most essential feature of a hydrotherapeutic equipment whether in hospitals, sanitarium, treatment room, or any other institution, is unquestionably a scientific douche apparatus. The douche offers the widest possible range of therapeutic benefits, from immediate analgesic and sedative relief to the most powerful tonic effects. But to be certain of the extraordinary remedial power you must be wise in selecting your apparatus, so as to receive the most adequate appliance at a minimum of uccessary cost. Ask the great hydrotherapeutic experts for their counsel, and the majority will name the Kellogg douche apparatus as the most efficient of its kind. Back of it is the inventive skill and tried experience of a physician who for more than a third of a century has had unexcelled opportunities for the scientific study, practice, and development of hydrotherapy. And the apparatus has "made good" in hundreds of thousand of applications.

Range, efficiency, instantaneous control. The appliance consists of two ordinary douche apparatuses connected by a pipe, and each supplied with a thermometer. A pressure gauge between the valves indicates the pressure for both. By means of a switch connecting the valves so that they move together, water from either set of pipes may be directed upon the patient with the same service hose. Thus the attendant has complete and instant control of both the temperature and the pressure. The temperature range is from 45° to 125°, and the pressure from one-half to forty-five lbs.

In giving the Scotch douche and the alternate douche, the temperature is carefully regulated in each of the twin apparatuses to suit the needs of the case. By adjustment of the proper valves the pressure may be regulated instantly, and the switch permits the alternations of different temperatures to be made instantaneously. An extra service hose for each side permits the simultaneous employment of water at different temperatures.

Attachments for spray, jet, fan, and ascending douches supplied with the apparatus without additional cost.

Constructed of full nickel plated brass, with china index valves, two thermometers, pressure gauge, and rubber hose attachments listed above.

Three slabs used with the appliance, either slate or marble, cost extra. Each slab six feet six inches high, three feet wide, one and one-fourth inches thick. Interior of stall three feet square; overhead shower six feet six inches above floor. Douche cabinet may also be constructed of wood, zinc, enameled iron, slabs of Portland cement, or asbestolin.

Price, with attachments for spray, jet, fan, and ascending douches.....$225 00
Office model (simplified apparatus) 100 00
Slabs, extra: slate, each, net $20 00; marble, each, net..... 30 00

Ask us to quote on complete installation to meet your needs.



S-730



S-740

ELECTRIC BATH CABINETS

KELLOGG ELECTRIC LIGHT BATH CABINETS



S-735

S-730 The increasing use of the electric light bath cabinet has shown that the type where the patient is seated is probably superior to that where the patient reclines. It takes up much less room and the light is better concentrated. Many of the great clinicians of Europe and America, Winternitz, Holm, Dieffenbach, Chatin et Carle, Lehmann, Below, Kellogg, Luke and others, all pay tribute to the extraordinary therapeutic range and power of the electric light bath, especially in chronic diseases.

Dr. J. H. Kellogg is the originator of this form of treatment and cabinets made under his supervision are considered the best in every respect.

The model illustrated has "built in" electric light foot warmers, glass panel in the door to observe the patient and fire proof wiring. An improvement has also been made in the radiating surface, hence more light and heat are available for the space occupied than in other types.

We recommend this cabinet for the hospitals, sanitoria, treatment rooms, etc.

Cabinet is 43 ins. square and 54 ins. high. The wood work is of quartered oak highly finished. There are 8 mirrors of the best quality of French plate glass set in octagon.

48 lamps which are fed from 6 separate circuits, each circuit being regulated by a separate switch.

A steel stool is furnished with each cabinet.

Kellogg's Standard Model Bath Cabinet $250 00

KELLOGG OFFICE MODEL

S-735 For physicians' offices, clubs, homes, etc., where no attendant is required. This would be found a very satisfactory cabinet. The switches are placed on the inside so that the light may be regulated by the patient. The floor space required is 4 ft. 2 ins. by 3 ft. 8 ins.

Steel stool is furnished without extra charge.

Bath cabinet, office model, style A finished in satin walnut..... $150 00
Style B with foot warmer 160 00
Style C finished in quartered oak with plate glass mirrors and foot warmer..... 200 00

COLUMBIA ELECTRIC LIGHT BATH CABINET

S-740 This cabinet is made of quarter sawed oak or birch, mahogany stained, containing 31 50 C. P. lamps, 7 on each side, 6 at the back, 6 on the frames besides the door, one under the floor and 4 on the door in parabolic reflectors, concentrating the light and heat over the chest and abdomen of the patient.

The floor of the cabinet is covered with a heavy inlaid linoleum.

Dimensions 46 ins. high, 42 ins. wide, 44 ins. long.

Columbia Electric Light Bath Cabinet $150 00

This cabinet can also be supplied without floor and without reflectors on the door. It is then furnished with 30 16 C. P. lamps, but lighter wood work is used.

As above described $75 00

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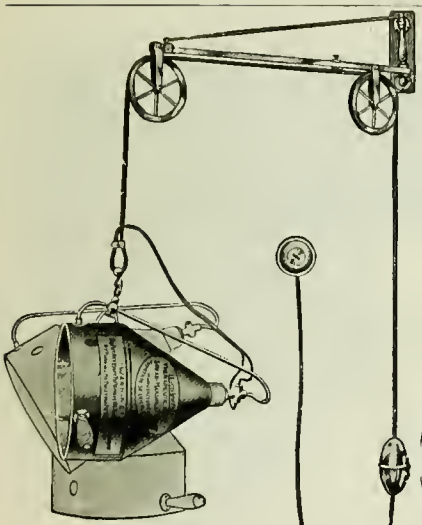
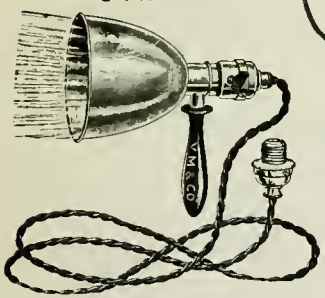

S-745



S-750



S-755



S-760

THERAPEUTIC LAMPS

LEUCODESCENT THERAPEUTIC LAMP

S-745 The Leucodescent lamp is the most powerful photo-therapeutic apparatus of the incandescent type. Its spectrum shows a very superior field of the yellow-greens (light energy) and blue-violet (chemical) rays. Its use is indicated as a means of promptly relieving poor metabolic conditions, inflammation and neurotic diseases, induces local or general hyperemia to raise the opsonic index.

Write us for literature and prices of the various Leucodescent lamps.

500 C. P. INCANDESCENT LAMP

S-750 This lamp is of the same variety as is generally used in the various forms of therapeutic lamps, which depend upon the incandescent lamp as a source of light.

Price for 110 volt current.....$12 00

SUN THERAPEUTIC LAMP

S-755 This lamp places at the command of the physician a thoroughly practical equipment. Every result to be expected from the arc lamp form of treatment may be had, is self-contained, and comparatively light. Means are provided for raising the lamp to any desired height and to adjust the hood to any position. Reflector is made of heavy glass flux which is proof against deterioration, and by an arrangement of shifting the reflector, the distance between reflector and arc may be changed, thereby changing the focal point of the light. Complete control of the intensity of the light and heat may thus be had without changing the position of either patient or lamp.

Two colored screens, red and blue, also 12 special carbons are furnished with each lamp.

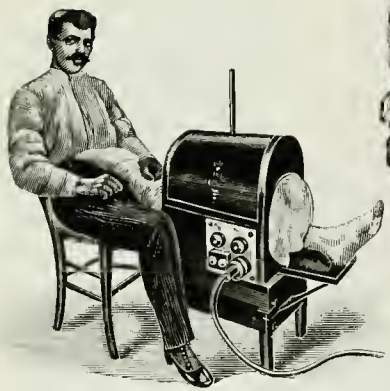
Price for operation on either direct or alternating current of 110 volt.....$60 00

PORTABLE THERAPEUTIC LAMP

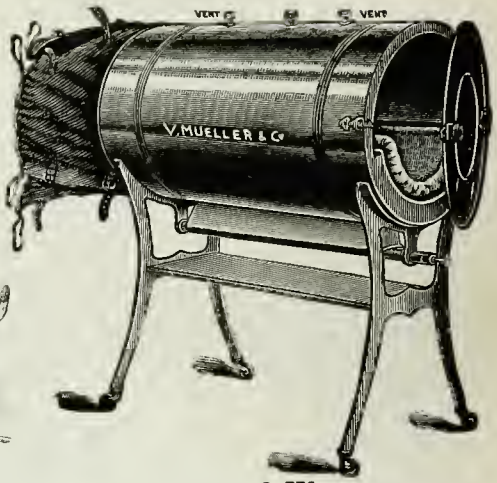
S-570 The socket and reflector of this lamp are of one piece. The reflector being hand burnished and heavily plated giving great intensity of light. A 50 C. P. spiral filament lamp is used.

Portable therapeutic lamp for 110 volt current..... $6 50

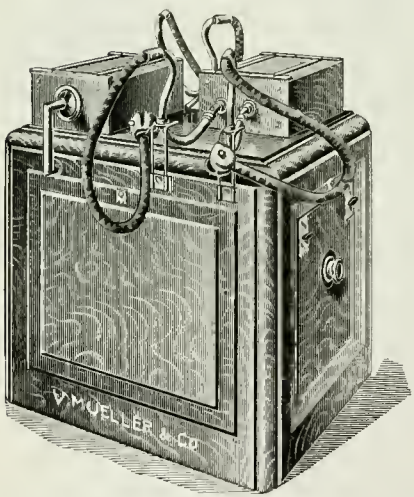
Screens, red, amber, blue or violet, each..... 1 50



S-765



S-770



S-775

ELECTRICALLY HEATED HOT AIR APPARATUS, OZONATORS

TRYNAUER THERMO ELECTRIC APPARATUS

S-765 The results in the treatment of joint diseases which have been had by Trynauer of Carlsbad, are well known throughout the world.

The apparatus here shown is made under direction of Dr. Trynauer and has the proper degree of heat for closely following his technique, it being possible to secure as high as 340 degrees in from 4 to 6 minutes. The heat may be regulated at will.

Nine types are built for different parts of the body, the one shown is the most popular as it is adaptable for either the treatment of knee, foot or hand and the elbow.

Full descriptive catalogue sent upon request.

Trynauer's electrically heated hot air apparatus for knee and foot.....$85 00

With stand for treatment of hand or elbow 88 50

FRAZIER-LENTZ HOT AIR APPARATUS

S-770 On one end of the cylinder there is a large door which can be easily opened, to the other end is attached a flexible sleeve cloth with draw-strings and straps. The cylinder is made of copper 24 ins. long by 16 ins. diameter.

A thermometer is furnished registering up to 400 degrees F.

Price for 110 volt current either direct or alternating.....$55 00

ORIGINAL NEEL-ARMSTRONG OZONATOR

S-775 During the past few years the use of free ozone, when passed through a bath of pine oils, has been extensively used and is becoming well recognized as an agent of first importance in the treatment of many conditions, which may be due to impoverished blood conditions and deficient oxodation. The Neel-Armstrong oxylene apparatus, represents the highest type of equipment for the administration of ozone.

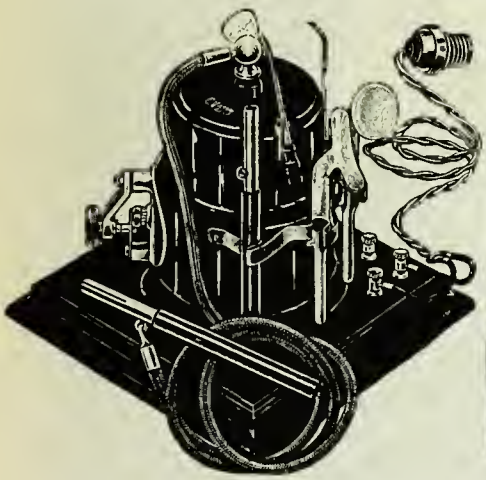
The apparatus is supplied in three styles:

Neel-Armstrong Ozonator for one patient $225 00
Neel-Armstrong Ozonator for two patients..... 375 00
Neel-Armstrong Ozonator for four patients..... 475 00

Above prices are for alternating current. If direct current is used add $25 00.

Write us for special literature.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-780



S-785



S-790

PORTABLE HIGH FREQUENCY COILS

VICTOR GEM HIGH FRE QUENCY COIL

S-780 The Gem outfit has range enough to deliver a high frequency current sufficient to excite all ordinary vacuum electrodes, this modality perhaps being used to a greater extent than any other form of high frequency treatment.

In addition to the vacuum electrode treatment, facilities are offered for utilizing the static spark and the convective discharge or fulgurative treatment.

Four vacuum electrodes, electrode handle, cords and a protective case are furnished without extra charge.

Price complete for 110 volt direct or alternating current $25 00

COLUMBIA PORTABLE HIGH FREQUENCY COIL

S-785 This coil offers a compact form of high frequency apparatus, though of course is not adapted for X-ray work. Will deliver a spark 2 ins. in length and sufficient quantity of current for amply exciting all ordinary vacuum electrodes.

Price, complete, including electrodes and handle as illustrated.....$30 00

VICTOR NO. 5 PORTABLE X-RAY AND HIGH FREQUENCY COIL

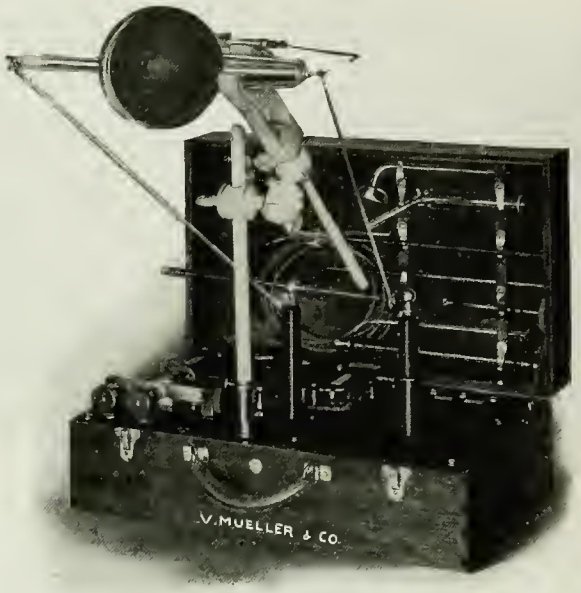
S-790 This is a very popular model of portable coil, and with it one is enabled to use the X-rays for all therapeutic work, as well as for limited radiography, such as the upper and lower extremities, shoulders, teeth, etc., and the high frequency current in practically all of its forms.

The No. 5 coil is recommended to the physician whose practice requires both X-rays and high frequency currents for therapeutic work.

Price, arranged to operate on both direct and alternating current.....$75 00

Tube and stand extra.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-795

PORTABLE HIGH FREQUENCY AND X-RAY COILS

S-795 Victor No. 1 Portable X-ray and High Frequency Coil. This coil is designed for the general practitioner or surgeon in whose practice there are many indications for either X-ray or high frequency currents, or both.

From this apparatus can be obtained all of the following currents or modalities:

Vacuum electrode, static spark, fulguration, high frequency spray or effleuve, Oudin, Tesla and D'Arsonval current, Ultra-Violet rays (from A C outfit only) and the auto-condensations and auto-conduction currents sufficient for all ordinary treatments.

The range of the X-rays obtainable from this coil is truly remarkable; it being possible to radiograph any part of the body in a reasonably short time. Owing to the nicety of control the X-ray may be used for treatment purposes as well. The coil weighs only 45 pounds, consequently it may be carried to the bedside if necessary and connected to the most convenient electric light socket.

The only parts subject to any wear whatsoever, are two contact points. These points generally last from eighteen months to two years' time and as a new contact costs only $1 00, the cost of maintenance is hardly worth mention.

Simplicity, durability and a wide range of usefulness are the cardinal points of this apparatus. All parts are artistically arranged and the finish is of the highest order.

Price, arranged for 110 volt direct current, complete with all attachments, cords, set of electrodes and handle $160 00

Price, arranged for alternating current, complete with above accessories..... 160 00

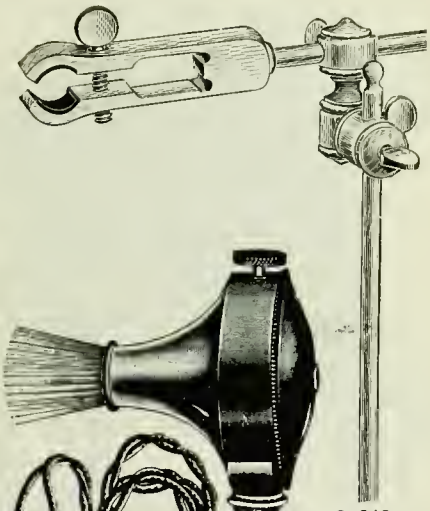
Price, arranged for operation on both currents, complete with above accessories..... 185 00

$10 00 may be deducted from these prices for cash.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-800



S-810

S-805

ACCESSORIES FOR PORTABLE COILS

S-800 The cabinet stand here shown has been especially designed for use with the portable coil. Provision is made to safely care for two X-ray tubes, fluoroscope, vacuum electrodes, cords, etc.

The cabinet work is of selected quarter sawed oak, hand rubbed. The compartment for holding the electrodes has a beveled glass door, making it in all an outfit which harmonizes with the coil.

Price of cabinet stand $30 00

PORTABLE ULTRA-VIOLET LAMP

S-805 This lamp has been designed so that it may be used with any high frequency apparatus. The electrodes are of iron and from the fact that a quartz lens is used a ray which is very rich in ultra-violet may be had. The intensity of the light may be regulated by turning a thumb screw projecting from the top. A small ruby window at the back permits observation of the size of the arc.

The lamp is highly finished in nickel and the handle is made of mahogany. This lamp will be found very efficient in the treatment of local skin conditions.

In ordering please specify make of coil used.

Portable ultra-violet lamp $30 00

PORTABLE TUBE HOLDER

S-810 This holder has been designed for use in connection with Victor portable coils No. 1 and No. 5, is made entirely of wood thus preventing the sparking of the current to the holder. The joints are all heavy so as to give rigidity to the tube, and any angle of adjustment can easily be made.

Price $3 00

CARRYING CASE. (Not Illustrated.)

S-815 This case is so arranged as to properly accommodate a 6 in. X-ray tube, a 5x7 fluoroscope and a portable tube holder. An adjustable brace fits over the tube and being supported by springs the tube is held in place without undue pressure. A compartment on the end is of proper shape for holding the fluoroscope, and clips hold the portable tube holder in position.

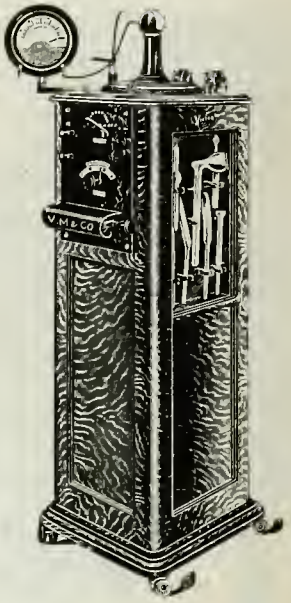
This case is well made and covered with a water proof imitation leather.

Price $7 50

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-820



S-825

HIGH FREQUENCY APPARATUS

VICTOR NO. 4 X-RAY AND HIGH FREQUENCY COIL

S-820 This apparatus has been designed for use in the office of the physician who does occasional X-ray work, but who has frequent use for the high frequency and high potential currents in his work. It is built on the Tesla plan, thereby doing away with the interrupters, rectifiers, etc. The currents delivered are X-ray, Oudin, D'Arsonval, high frequency for vacuum electrodes, auto-condensation and ultra-violet light. These currents may all be had quickly and without reconnecting of the wires.

A single switch on the front of the cabinet indicates the various modalities, and at no time is it possible to confuse connections when the switch is used.

When operated on alternating current the supply wires are carried directly to the coil.

When direct current only is available, a rotary converter is placed on the shelf below. This converter changes the direct current to alternating.

The No. 4 high frequency cabinet will be found to fill a welcome place in the equipment of sanitariums, by dermatologists, neurologists, etc.

If interested please send for complete technical description.

Price including electrodes, holders, etc., for alternating current.....$135 00
Price of rotary converter and rheostat for direct current..... 80 00

VICTOR NO. 7 HIGH FREQUENCY OUTFIT

S-825 This machine has been placed on the market to meet the demand of the physician who wishes to utilize the therapeutic values of the various high frequency currents to their fullest extent; but who either does not care to do any heavy radiographic work or is already equipped with the proper apparatus for that particular class of work.

The No. 7 outfit delivers the various high frequency modalities including an ultra-violet lamp current, and an auto-condensation current sufficient for the most profound constitutional effects, this current being the best specific for the reduction of high blood pressure. X-rays are available for all treatment work as well as the light radiography.

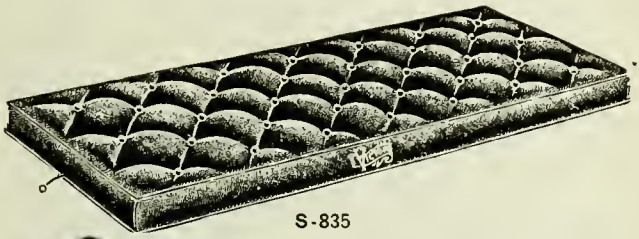
As will be seen in the illustration, the apparatus entirely self contained, finely finished and while it does not occupy an amount of space disproportionate to its usefulness, it is nevertheless quite imposing in appearance.

The apparatus is designed to be operated from the alternating current and where only the direct current is available, all that is necessary is the addition of a rotary converter.

Price, complete with set of electrodes, attachment cords, etc., arranged for alternating current $165 00
Hot wire meter, extra 30 00

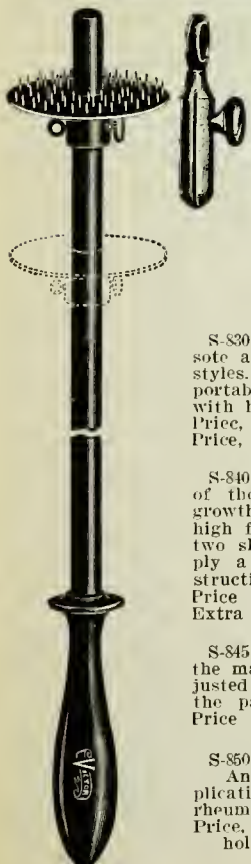
In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.


S-830

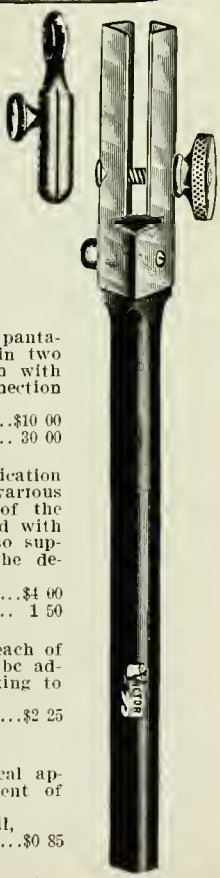

S-835



S-840


S-845


S-850


S-855

HIGH FREQUENCY ATTACHMENTS

CUSHIONS FOR AUTO-CONDENSATION

S-830 These cushions are made of a heavy grade of pantasote and a dialectric of silk floss. They are made in two styles. The round seat cushion for use in connection with portable coils and the couch cushion for use in connection with heavier apparatus.

Price, round seat cushion $10 00
Price, couch cushion 30 00

FULGERATION ELECTRODE

S-840 This electrode has been designed for the application of the high frequency spark, for destruction of various growths. It may be used in connection with any of the high frequency apparatus. Ordinarily it is furnished with two short points which are not illustrated. We also supply a long point for use through cystoscopes in the destruction of cysts within the bladder.

Price $4 00
Extra long point 1 50

HIGH FREQUENCY SPRAY ELECTRODE

S-845 This electrode delivers a spray current from each of the many points. The disc carrying the points may be adjusted to the proper distance to prevent heavy sparking to the patient.

Price $2 25

D'ARSONVAL ELECTRODE

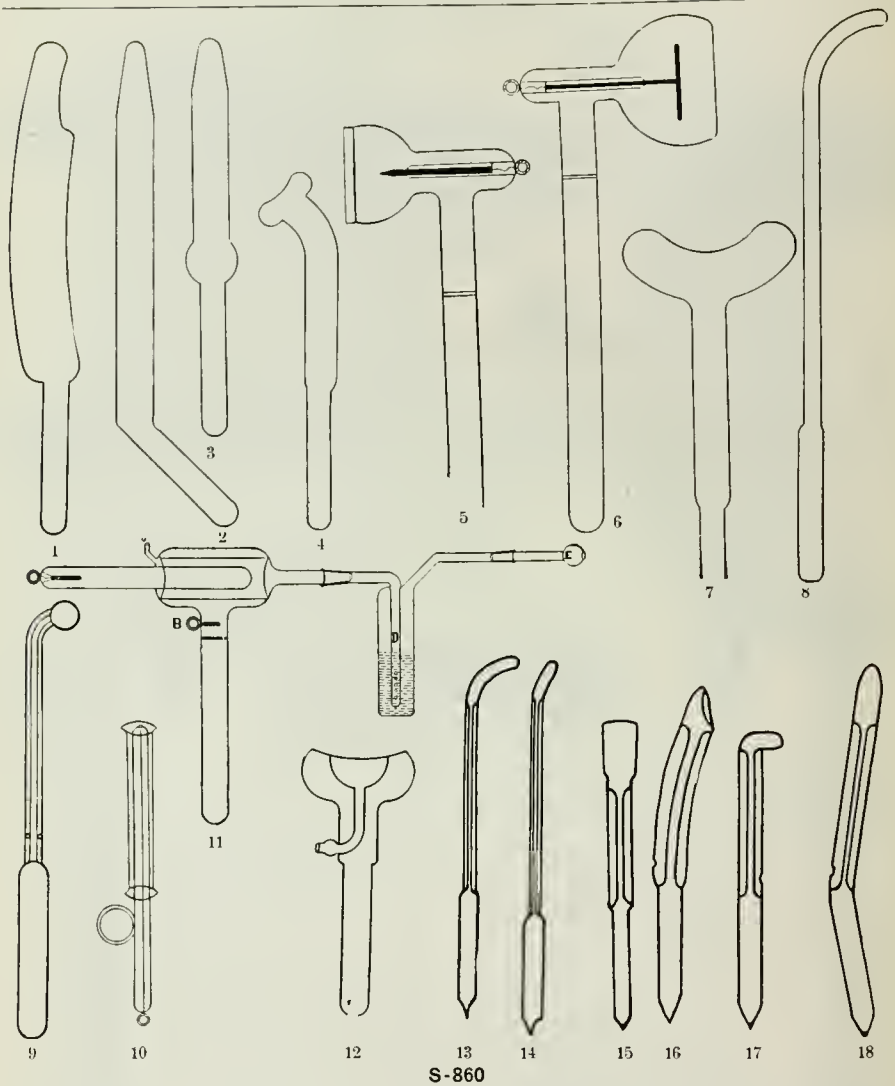
S-850 For local treatment.

An inexpensive and valuable electrode for the local application of the D'Arsonval current, in the treatment of rheumatic joints, etc.

Price, as illustrated including 6 sheets of metal foil, holder and connectors $0 85

VACUUM ELECTRODE HOLDER

S-855 Adjustable 1 50

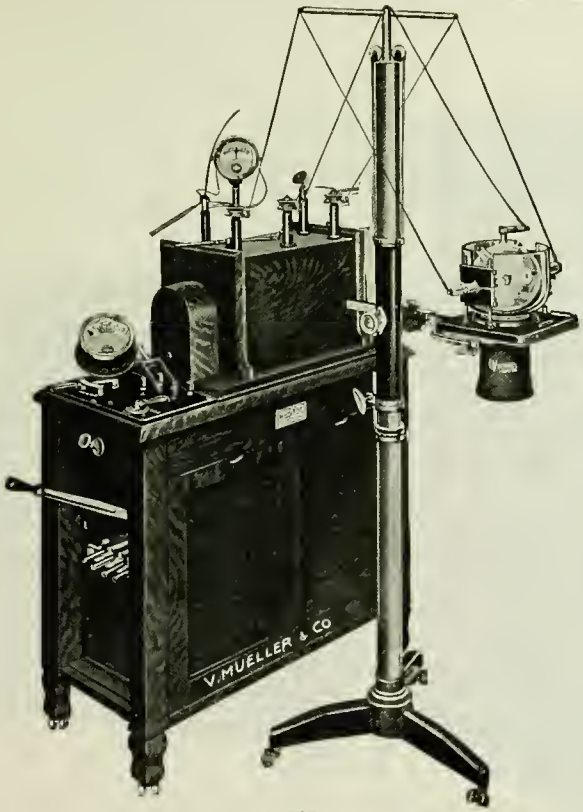


S-860

HIGH FREQUENCY VACUUM ELECTRODES

S-860 No. 1 vaginal, plain, $0 75; insulated $1 25
No. 2 rectal, plain, $0 75; insulated.. 1 25
No. 3 rectal, plain, $0 75; insulated... 1 25
No. 4 eye, single, $0 75; double (not illustrated) 1 25
No. 5 cataphoric surface electrode with fulgeration accumulator 4 00
No. 6 large conical surface electrode, with accumulator 3 00
No. 6A large surface conical electrode, without accumulator 75
No. 7 throat electrode..... 1 00
No. 8 urethral electrode, No. 20 and No 28 Fr., each $0 75
No. 9 eustachian electrode, insulated.. 1 50
No. 10 fulgeration electrode for destroying vascular neavi, warts, molds, etc.. 2 50
No. 11 ozone inhaler..... 12 00
No. 12 eye electrode, insulated..... 1 50
No. 13 throat electrode, insulated..... 1 25
No. 14 nasal electrode, insulated..... 1 25
No. 15 tongue electrode, insulated..... 1 50
No. 16 vaginal electrode, insulated.... 1 50
No. 17 post nasal electrode, insulated.. 1 50
No. 18 rectal electrode, insulated..... 1 50

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-865

WANTZ RADIOGRAPHIC COIL

S-865 This equipment differs from the prevailing types of induction coils, in the following respects:

Size and construction of the core (no wire used).

Proportion between and cross sectional area of wire used in primary and secondary windings.

Insulation between primary and secondary windings.

Design, arrangement and insulation of secondary windings.

Improved type of interruptcr.

The actual spark length of the Wantz coil is 12 inches, this potential being more than enough to take care of the heaviest X-ray tubes.

The Wantz coil is equipped with a variable inductance switch for cutting in selective layers of the primary winding. By means of this feature, any X-ray tube, regardless of its size, shape or vacuum, can be used, and the secondary voltage adjusted to the tube.

The interrupter is of the electrolytic type and is furnished with either one, three or five points, as desired, and will be found to be perfectly smooth in operation.

All switches for coil and interrupter are mounted on a switchboard at one end of the coil cabinet.

Coil arranged for 110 volt direct or alternating current including rheostat, switchboard, inductance switch, pole changing switch, on and off switch, three special reels provided with extra long insulated conducting cords, regulator controlling vacuum of tube, regulator for controlling electrolytic interrupter from convenient point near switchboard and cabinet table $425 00
Single point interrupter 35 00
Three point interrupter 60 00
Five point interrupter 85 00
Ammeter 30 00
Milliamperemeter (tube circuit) 30 00
Rectifier, four jar, for use on alternating current 60 00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-870

SCHEIDEL-WESTERN INTERRUPTERLESS RADIOGRAPHIC COIL

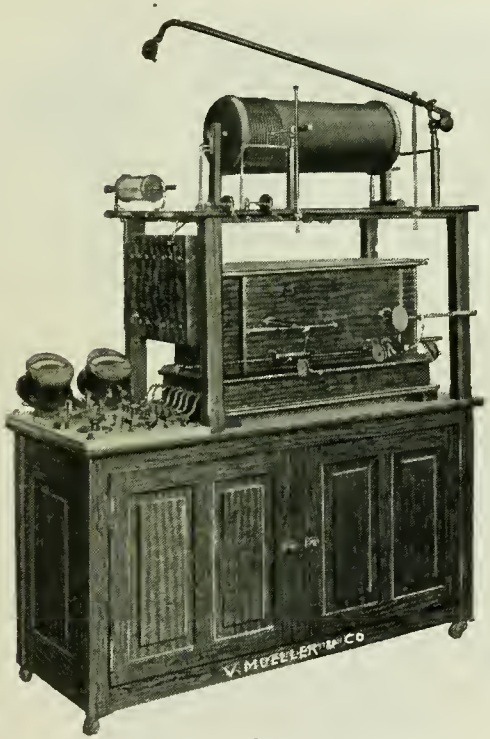
S-870 The Interrupterless Coil or Transformer is a comparatively late development in radiographic apparatus. The principle upon which this coil is built differs from the ordinary apparatus in that no rectifiers, electrolytic interrupters, etc., are used. Instead the primary winding of the coil is excited by means of a rotary converter with the result that a current which is practically uni-directional and of increased quantity, is delivered to the X-ray tube.

The switchboard is separately mounted on an independent frame and connected to the transformer by means of cables. The switchboard frame is backed with ⅛ in. lead and is fitted with a protection screen of ⅛ in. lead.

We can recommend this coil to the specialist as the most powerful and altogether satisfactory type of interrupterless coils placed on the market up to the present time.

Write us for full technical description and prices.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-875

SCHEIDEL-WESTERN RADIOGRAPHIC SPECIAL

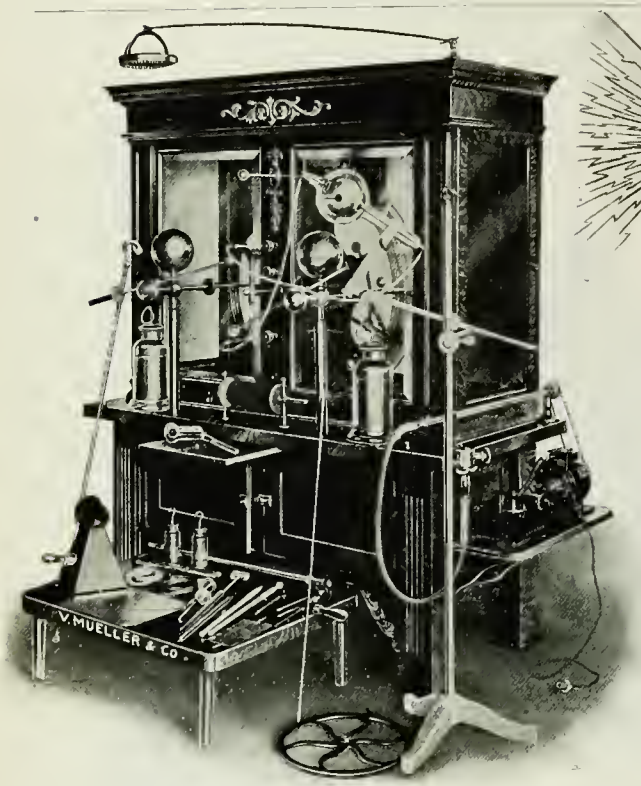
S-875 The Scheidel-Western Radiographic Special for X-ray and high frequency currents, as illustrated above, consists of a powerful X-ray coil especially adapted for quick radiographic work, combined with the resonator, delivering a great variety of high frequency currents. The arrangement of switches, measuring instruments, vacuum regulating device, etc., is such that the operator need not leave the switch board in order to make an adjustment, and by means of the milliamperemeter and ammeter the working conditions of the coil may be noted.

The Hutton induction switch permits of a perfect balance between coil and tube being maintained during the exposure.

We recommend that this coil be equipped with the auto-transformer as described elsewhere, when used on alternating current.

16 in. Radiographic Special Coil	$275 00
Table with rheostat and switches mounted on white marble	65 00
Mercury interrupter for treatment work	75 00
Three point electrolytic interrupter	60 00
Ammeter	25 00
Milliamperemeter	25 00
Resonator mounted on top of coil	95 00
Hutton induction switch	25 00
Automatic cord reels	7 50

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-880



S-885

STATIC MACHINES—RESONATORS

THE NELSON TYPE A STATIC AND X-RAY MACHINE

S-880 This machine is the result of years of constant application to static machine construction, and is considered by those who have examined it, and who are using it to be the most up to date machine offered the profession. The case is made of selected quarter sawed oak throughout and occupies a floor space of 5½x3 feet. Height of machine is 6 feet 4 inches. The top part of the case is removable, and the entire equipment can be passed through any ordinary door of 26 ins. or more in width. The machine has two front polished leveled plate glass windows. The doors are set in heavy felt making the interior dust and moisture proof. In addition to this are other advantages not possessed by machines of other makes as follows: Divided stationary plates, endorsed by the American Electro Therapeutic Association; combination pole changer, not only useful in X-ray work, but can be used in connection with the insulated platform, where correct polarity is of great importance; fixed spark muffler and grounding arm; movable neutralizing arms, enabling the operator to charge his machine.

Size of revolving plates 32 inches.

Complete instructions accompany each machine. Price includes complete set of electrodes, universal tube stand, platform, etc.

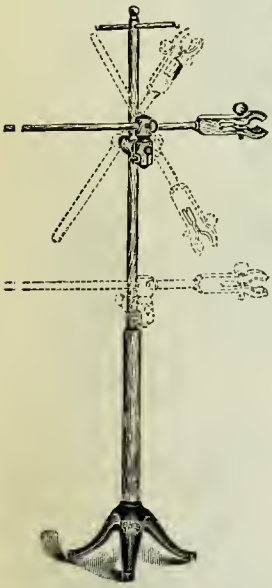
16 plate machine $200 00
24 plate machine 225 00

THE OUDIN TESLA HIGH FREQUENCY RESONATOR

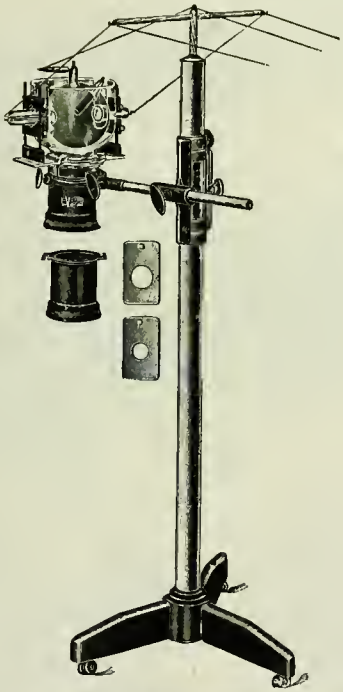
S-885 This Resonator is designed to operate on any of the standard static machines for the purpose of a high frequency current with high potential effleuve 12 inches long. It is constructed on the Oudin Tesla principles combined. This current or effleuve can in no wise be compared with a static machine brush discharge. The latter is painful to the bare skin and is comparatively easy to insulate, while the high frequency effleuve, as given off by this new resonator will readily pass through any and all known insulators without any apparent loss in current strength. It is mounted on casters and can be handled with ease around the office.

Price of outfit as shown with special cords for connection..... $35 00

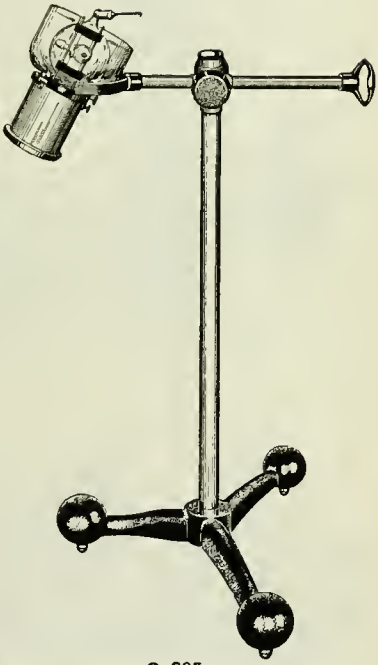
In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-900



S-890



S-895



S-900A

TUBE STANDS AND RACKS

VICTOR PROTECTION TUBE STAND

S-890 This equipment is a modification of the Victor Compression Diaphragm and offers in simple form the protection features, the same as the higher priced outfit, but has not the refinement of control. However, any angle of adjustment may be quickly had and in short, it is all that is to be desired in the way of an inexpensive combination tube stand and compression diaphragm.
Price $75 00

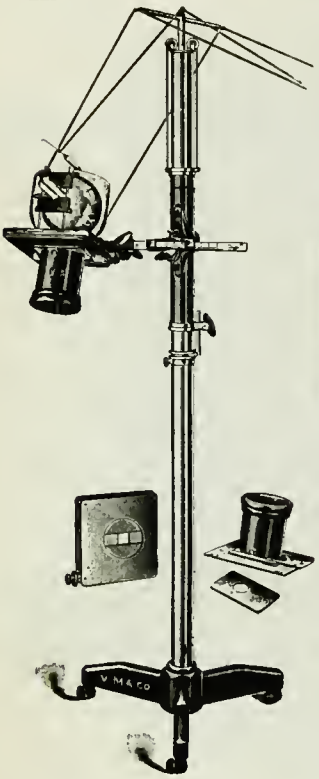
SCHEIDEL-WESTERN PROTECTION TUBE STAND

S-895 This stand is well constructed and has all of the adjustments generally required in an apparatus of this kind. The extension over the table is long enough for all purposes and the tube may be raised high enough to accommodate any case. Finished in nickel and Japan.
Price $50 00

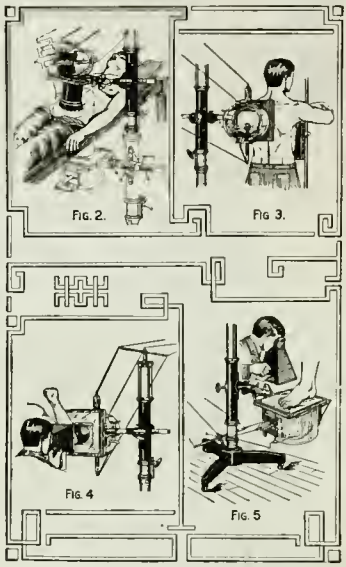
TUBE STAND

M-900 This is a well made stand, with heavy metal base. All other parts are made of wood. Provision is made for both vertical and lateral adjustment.
Price $8 00
S-900A V. Mueller & Company's Radiographic tube rack. Each..... 1 00

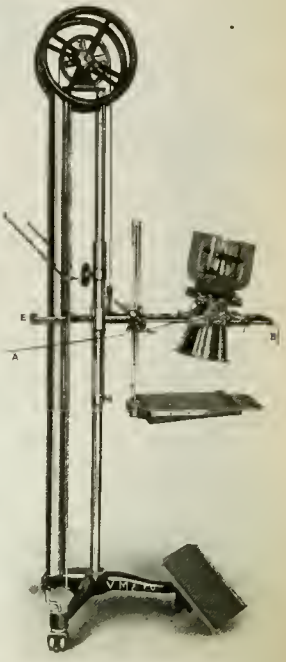
In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-905



S-905B



S-910

COMPRESSION DIAPHRAGMS

VICTOR COMPRESSION DIAPHRAGM, PROTECTION SHIELD AND STAND

S-905 Many improvements over prevailing types of compression diaphragms have been worked out in this apparatus. The construction is such as to assure rigidity which is of first importance in radiographic work.

Provision is made for vertical, lateral and circular adjustment of the tube, a suitable scale being provided for accurate manipulation wherever necessary. This is especially true in stereoscopic work as the calibrations are plain and the shifting of the tube may be done without loss of time. The tube may be focused over or under the patient as required. The raising and lowering is easily accomplished by means of counter weights.

An adjustable shutter has been designed for treatment work, thus making it unnecessary to use foil to protect the surrounding area.

Price complete as illustrated, but without shutter.....$150 00
Price of adjustable shutter 25 00

Illustration shows some of the positions to be had from the Victor compression diaphragm.

THE "K—K" STEREOSCOPIC TUBE STAND

S-910 In this equipment the designer has embodied practically all adjustments which are necessary in radiographic work, fluoroscope examination, X-ray treatment, etc. The device supporting the X-ray tube, lead glass bowl and cone, is carried on a support which may be easily raised and lowered from the fact that it is well counter balanced.

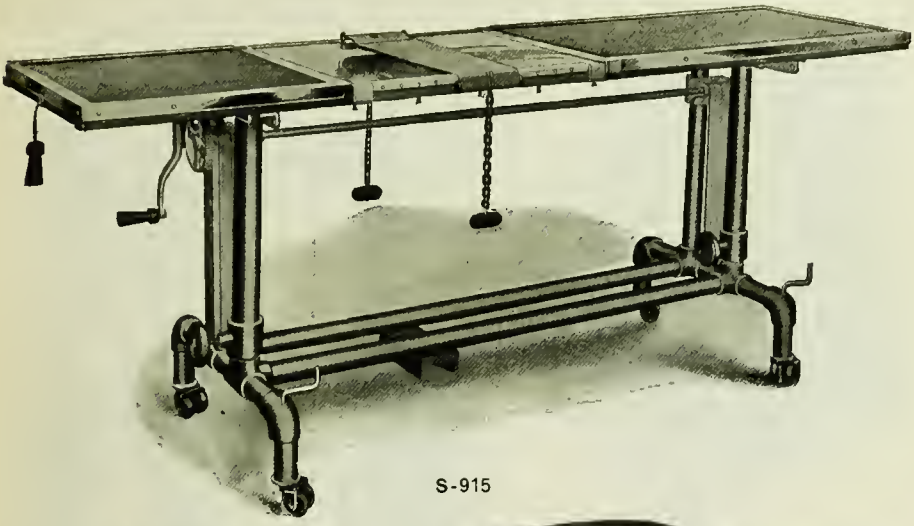
The shelf for holding X-ray plates is a great convenience in making radiographs of the arm, head, etc. This shelf may be removed and a fluorescent screen attached for examination. All attachments are quickly and firmly made. The metal parts are of the best material, heavily nickel plated and Japanned.

This tube stand will be found a great time saver in the adjustment of the X-ray tube.

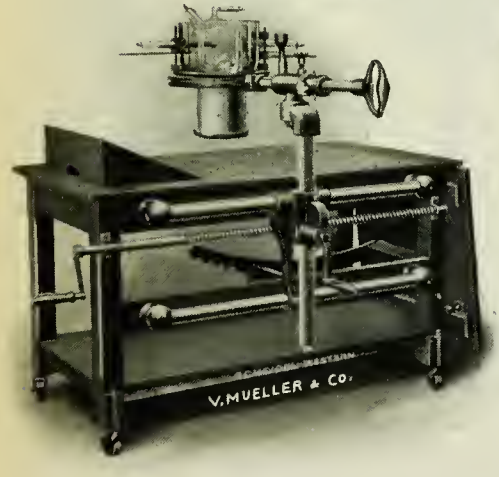
Complete as illustrated $100 00

Send for special catalogue describing this equipment in detail.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-915



S-920



S-920A

RADIOGRAPHIC TABLES

KELEKET COMBINATION RADIOGRAPHIC TABLE AND AUTOMATIC PLATE CHANGING TUNNEL

S-915 This is a substantially constructed table, having a top consisting of an improved form of plate changing tunnel for stereoscopic plates or single plates, as desired. The top may be placed at any angle, so that radiographs may be taken with the patient either standing or in a reclining position.

Price $100 00

SCHEIDEL-WESTERN RADIOGRAPHIC TABLE AND COMPRESSION DIAPHRAGM

S-920 This table is so designed that any amount of compression desired may be had without difficulty. The tube is quickly adjusted to any desired position and by an arrangement of indicators it is always possible to quickly center the target to the proper point on the plate. All metal parts are finished in nickel and japan. Woodwork is of birch mahogany finish.

Price $150 00

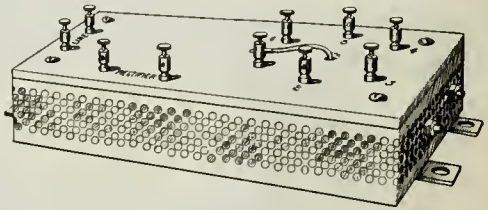
OFFICE AND RADIOGRAPHIC TABLE

S920A While this table has been designed for all around office work, it is admirably adapted for Radiographic purposes, being of rigid construction throughout. Made of plain oak and finished in waxed-weathered or golden gloss.

Price, without upholstery, $22 50; with pad and pillow.....$30 00



S-925



S-930



S-940



S-935



S-940A

RADIOGRAPHIC COIL ACCESSORIES

ELECTROLYTIC RECTIFIERS

S-925 Alternating current is not suitable for operating induction coils, eye magnets, wall plates or for charging storage batteries, and where the alternating current only is available, some means must be provided for securing a direct or continuous current. Such is the function of the Victor electrolytic rectifier.

Victor rectifiers are neatly designed, faultlessly constructed, positively unbreakable, extremely durable and economically maintained. They are furnished in three styles, viz.: No. 1 for wall plates; No. 2 for eye magnets and No. 3 for induction coils.

Price No. 1 rectifier with charging board.....$15 00
Price No. 2 rectifier with charging board..... 50 00
Price No. 3 rectifier less charging board..... 60 00

AUTO-TRANSFORMER FOR INDUCTION COILS

S-930 Many users of X-ray coils operating on alternating current have found difficulty in securing the proper amount of current for the secondary of an induction coil, for the reason, that in drawing a comparatively heavy current there has been a very considerable drop in the voltage of the line current. When this cannot be overcome, due to the wiring, or the capacity of the transformer used outside of the building, the voltage may be raised by means of this auto-transformer. The increased efficiency thus obtained, is at once apparent, and in many cases will increase the current passing through the X-ray tube from 50 to 75 per cent. This transformer may be used in connection with any make of induction coil. Dimensions 9½x16½x6 ins.

Auto-transformer for 110 volt alternating current.....$50 00

ALL METAL SELF WINDING TUBE TERMINAL

S-935 These terminals may be attached to any X-ray coil and prevent the sagging of the cord. By pressing the button the tape may be wound within the case.

Per pair $2 25

AUTOMATIC CORD REELS

S-940 These reels are made of heavy brass, lacquered, cord is made of tinsel which is very flexible, and covered with silk. They extend 8 ft.

Per pair $5 00

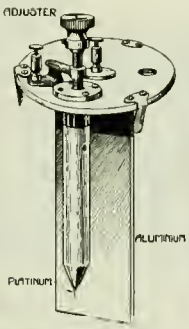
X-RAY CORDS

S-940A Heavily insulated. Per pair 1 50

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-955



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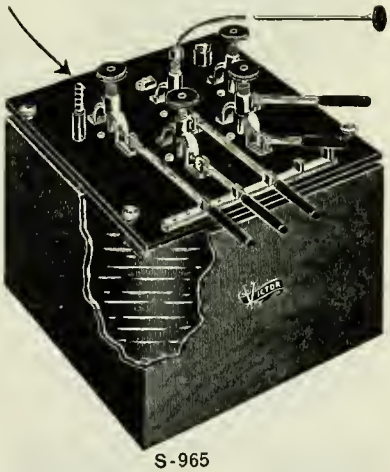


S-965

MECHANICAL INTERRUPTERS

REKORD INTERRUPTER

S-955 This is a new design of mechanical interrupter based upon scientific principles, which have proven to yield the best results. It gives a number of interruptions nearly as high as the electrolytic interrupter, and always with perfect and uniform contact and interruption. The emulsification of the mercury is insignificant owing to the centrifical pressure which keeps the mercury a coherent mass and separates it from impurities.

This interrupter is designed for treatment work, though will be found very satisfactory when using the fluoroscope, due to the high rate of interruptions.

Rekord interrupter for 110 to 125 volt direct current.....$75 00

ELECTROLYTIC INTERRUPTERS

ANTI-ACID INTERRUPTER

S-960 This interupter has been designed for use in connection with induction coils, operating on the alternating current. It is built along the same lines as the acid electrolytic interrupter, and when a light current as for treatment is desired, the anti-acid type will answer for both rectifier and interrupter.

Illustration shows the interior portion only, but it is furnished complete with porcelain jar.

Price $25 00

VICTOR ELECTROLYTIC INTERRUPTER

S-965 Many radiographers have been hampered in their work because of the characteristic faults of the average interrupter, such as the porcelain tube being too small and not correctly designed, the amount of solution used not being sufficient and the absence of any indicator to show amount of solution in jar, and last but not least, the absence of proper means of absorbing the heat developed.

In designing the Victor interrupter these and other points have been taken care of as follows:

The size and shape of tube have been determined by actual experiment and are such that the gas bubbles are dislodged and escape easily and but very little solution is pumped through the tube, provision being made so that this small amount of solution is carried well away from the tube by means of a spout—this feature eliminating the customary short circuits and explosive effects generally prevalent in the average interrupter.

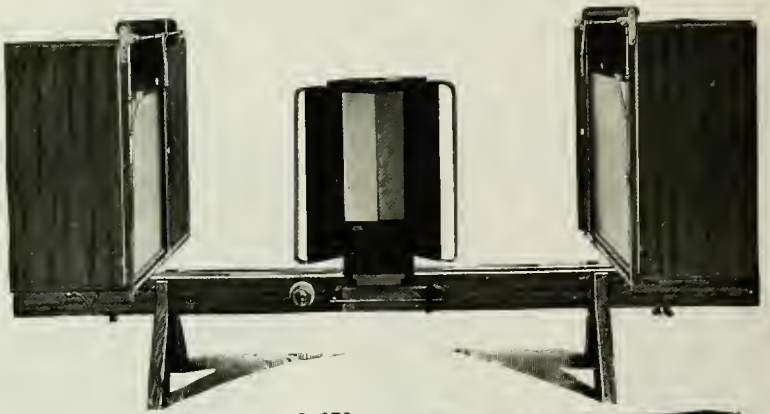
A greater amount of solution is used than is the case with other interrupters of similar capacity.

An automatic float is furnished with which the operator can, at any time, tell the exact height of solution.

Three styles are furnished, viz.; single, three or five point.

Price of single point interrupter.....$35 00
Price of three point interrupter..... 60 00
Price of five point interrupter..... 85 00

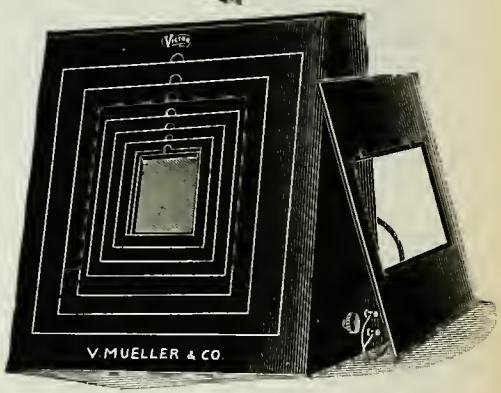
In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-970



S-980



S-975

STEREOSCOPES AND NEGATIVE ILLUMINATORS

WHEATSTONE STEREOSCOPE

S-970 Relation of parts and relative position of foreign bodies has greatly simplified diagnosis by making X-ray negatives stereoscopically and viewing them through the Wheatstone stereoscopic illuminator.

Two plates previously exposed from two angles are placed, one in each illuminator and facing each other. These plates are focused in two reflecting mirrors, set at right angles midway of the plates. By adjusting the mirrors, the two plates merge into one, revealing a perfect perspective of the radiographed parts.

Each box is arranged with roller shades to exclude all light, not used for illuminating plates. The shades are adjusted to accommodate plates ranging from 5x7 to 14x17 in either direction. In addition to stereoscopy, the box can be used for an ordinary illuminating box for diagnosis of single plates A rheostat or light dimmer is arranged for accommodating the intensity of the light to the density of the plates.

The wood work is finished in mahogany.

Price with connecting cord and plugs, ready to attach to any lamp socket.....$65 00
Rheostat for controlling light 6 00

VICTOR NEGATIVE ILLUMINATOR

S-975 Facilities are provided for examining X-ray negatives ranging in size from 5x7 inches to 14x17 inches. An extra kit is furnished by means of which two 8x10 inch negatives can be stereoscopically studied with the Pirie stereoscope Fig. S-980. The intensity of the light is very nicely controlled by means of a circular switch on the lower right hand side of the cabinet. Finished in Flemish oak and is lined with asbestos.

Price, complete $30 00

PIRIE POCKET STEREOSCOPE

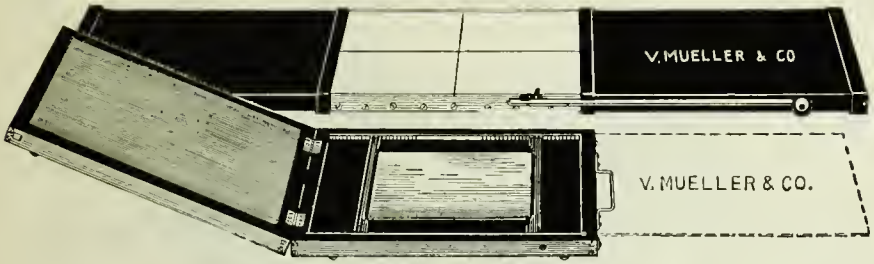
S-980 This stereoscope may be used for examination of radiographs of any size, either by placing the plates in a negative illuminator, or at some other point where the light is allowed to pass through them.

A double reflecting prism of best grade is used.

A feature of this stereoscope is the ease with which stereoscopic vision is obtained.

All metal parts are of aluminum, finished in dull black, making it a light instrument to carry in the pocket.

Price in leather case.....$25 00



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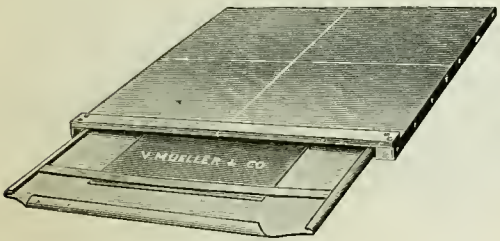

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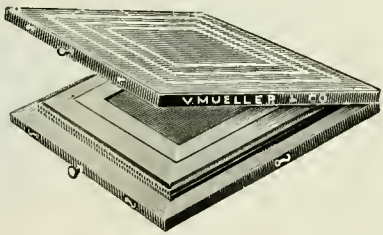


S-995

PLATE CHANGERS AND HOLDERS

AUTOMATIC PLATE CHANGER

S-985 For stereoscopic radiographs, this plate changer can be used with any radiographic table, or placed on a plain table. It is skillfully constructed throughout, neat in design, and very easy in manipulation. There are no complicated parts, no envelopes are required in the carrier and same is absolutely light proof Plates can be loaded into this carrier in the dark room, and can be placed either way in the holder.

The carrier accommodates two plates of any size, ranging from 4x5 to 14x17. The center section of the plate changer is covered by a sheet of aluminum, and the two end sections are covered by sheet metal. An accurate and exact center can always be determined by a line drawn across the aluminum plate in the middle section.

When one plate is in position under the subject to be photographed, the other is under the X-ray proof shield and is protected from all rays. Upon releasing a small catch on the side, the carrier is shifted by means of springs, and the second plate is brought into position instantaneously, for the second exposure without any further manipulation.

With the use of this improved plate changer, stereoscopic work, which is one of the most interesting parts of radiography, is made perfect, and experienced operators will thoroughly appreciate its value.

Price $50 00

PLATE CHANGER

S-990 This plate changer consists of an iron frame over which is tightly stretched a thin sheet of aluminum which supports the part to be radiographed and allows the plates to be inserted and removed without disturbing the patient. Two trays are furnished with each changer thereby making it possible to make stereoscopic plates when desired.

Price $15 00

PLATE HOLDERS

S-995 These plate holders are made in two sizes with additional kits in each, so as to permit smaller standard sizes of X-ray plates to be used. The cover of the plate holder has the various sizes outlined, comparing to the kits contained within. A layer of lead is placed at the bottom of each holder to overcome secondary radiance.

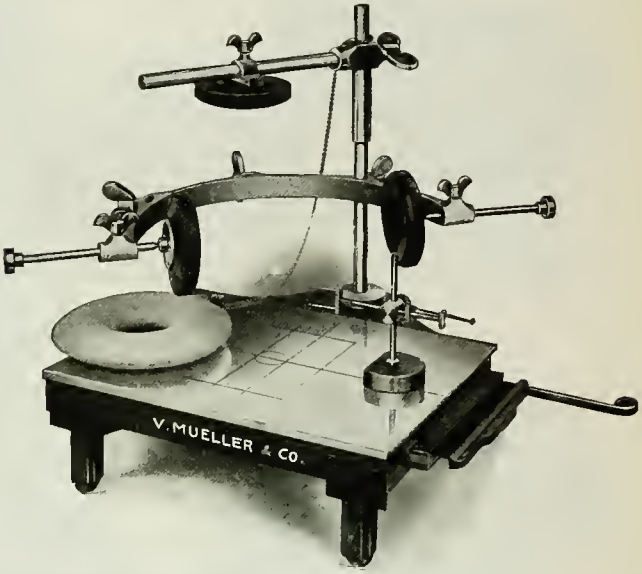
For plates up to 10x12 ins., or smaller..... $6 00
For plates up to 14x17 ins., or smaller..... 9 00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.

DR. SWEET'S EYE LOCALIZER

S-1000 The localizing of foreign bodies within the eye and orbit by means of X-ray had offered a difficult problem before a practical eye localizer was perfected. The device which has been designed by Dr. Sweet offers a thoroughly reliable method of localization. Complete instructions and the necessary charts are furnished with each localizer.

Price $35 00



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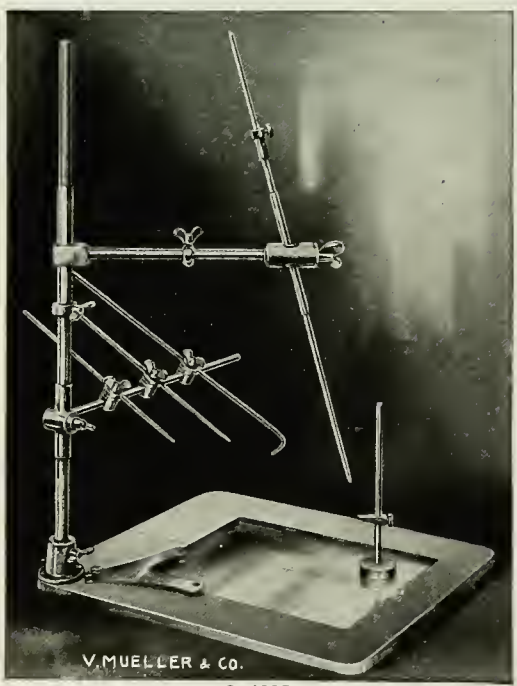

S-1005

FOREIGN BODY LOCALIZER

S-1005 This localizer is designed along the lines of the localizer first made according to the suggestion of McKinzie Davidson of London, and which he termed his "Cross Thread Localizer." It has been improved by Dr. J. N. Scott, so that it can now be used either with a compression table or by the open method, the tube being supported in the ordinary way, and shifted an equal distance on either side of perpendicular. The instrument and plate holder base are made entirely of metal so as to be easily sterilized for use on the operating table. The two straight and curved rods attached to the horizontal bar are markers to enable the replacing of the subject to its original position on the base for operation.

Price $35 00

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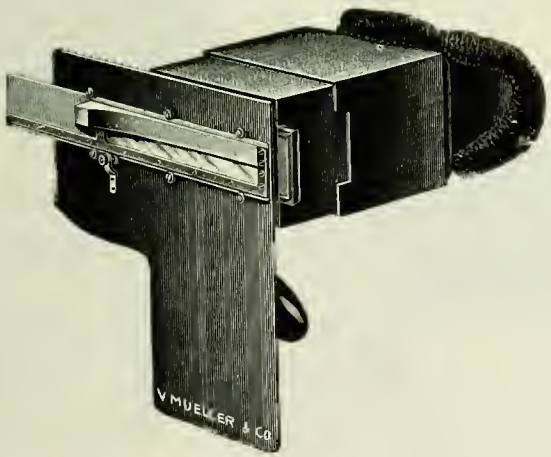


S-1010

WEHNELT'S PENATROMETER

S-1010 This penatrometer allows the operator to accurately judge the penetration of each tube by shifting the wedge shaped strip of aluminum to the point where the rays pass through the aluminum. A strip of fluorescent screen is used inside of the box and calibrations showing the relative penetration quickly tell the working conditions of the tube for treatment work. The tube is examined and the amount of current increased or diminished as the case may be, until the fluorescence of the screen agrees at the desired position of the scale.

Price $24 00

"PRIMA" INTENSIFYING SCREEN

One of the greatest drawbacks in radiography is the enormous strain on the X-ray tube when using heavy currents for quick exposures. This strain has a tendency to disturb the vacuum in the tube so that the working conditions change to such an extent that failure often results. To overcome this difficulty the Prima intensifying screen has been made. The principle upon which the screen works is that it fluoresces, giving a blue light under action of the rays. The X-ray plate is particularly sensitive to blue, consequently a plate may be fully exposed in approximately 1-5 the time that would be required without the screen.

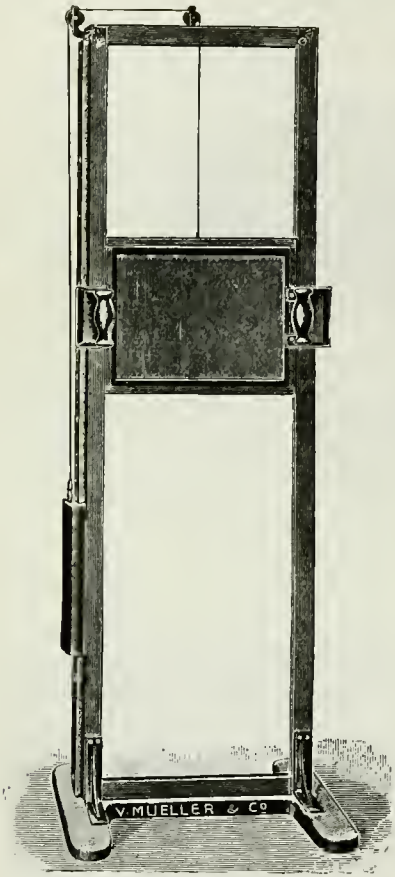
Heretofore the difficulty with screens has been that they left a mottled plate due to the granulations on the screen, also that screens would fluoresce for some time after exposure to the rays, resulting in a partially fogged plate and poor detail of the parts radiographed when the plate was developed. The "Prima" screen overcomes these difficulties and permits the production of plates which are absolutely free from granulation, and with heretofore unattained speed.

One of these screens will soon pay for itself in the saving of the X-ray tube.

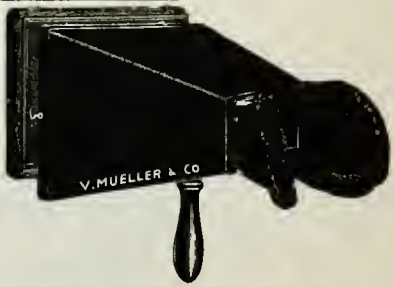
We recommend that the screen be used mounted in a holder, and prices quoted are based upon supplying holder figure S-995. In this way the surface of the screen is better preserved, may be kept clean, and, being mounted upon a lead base, there is no secondary radiance. Carefully handled these screens will last almost indefinitely.

S-1015	Prima screen, size 8x10 without plate holder	$17 50
S-1015A	Prima screen, size 8x10 with plate holder	23 50
S-1020	Prima screen, size 10x12 without plate holder	22 50
S-1020A	Prima screen, size 10x12 with plate holder	33 50
S-1025	Prima screen, size 11x14 without plate holder	34 00
S-1025A	Prima screen, size 11x14 with plate holder	43 00
S-1030	Prima screen, size 14x17 without plate holder	50 00
S-1030A	Prima screen, size 14x17 with plate holder	59 00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-1050



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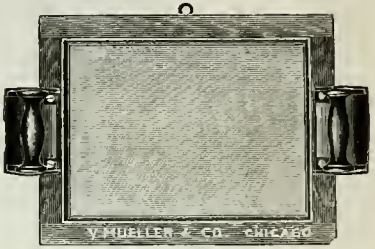


S-1045

FLUOROSCOPES AND FLUOROSCOPIC SCREENS

S-1035 There is probably no part of an X-ray equipment which is more important or in fact so far as diagnostic work is concerned, so absolutely essential, as a good fluoroscope. Many now on the market are unsatisfactory for the reason that an insufficient amount of platinum salt is used in their manufacture, and often improper means is taken to prevent deterioration and discoloration.

Our platino barium cyanide screens are the best which it is possible for us to secure. The salt is protected as far as it is possible to do so from deterioration and a good quantity of platinum salt is used.

The image produced is sharp and intensely brilliant.

We are prepared to supply fluoroscope screens of various sizes but the ordinary fluoroscope is equipped with a 5x7 screen.

Fluoroscope with 5x7 screen $12 50

LEAD GLASS SHIELD FOR FLUOROSCOPE

S-1040 We are prepared to supply lead glass of suitable size so that it may be easily attached to any fluoroscope. The X-rays are thus prevented from reaching the observers eyes as the glass is placed behind the screen. This in no way obstructs the image on the screen, but offers great protection.

Lead glass for fluoroscope $0 90

MOUNTED FLUOROSCOPIC SCREENS

S-1045 In examination of the chest, stomach, etc., many operators prefer to use a large screen mounted in a suitable frame in an absolutely dark room, rather than to use the box type. This method allows a proper comparison where frequently it would be impossible with a more limited field. The fluoroscope shown is mounted in a substantially constructed frame with lead covered sheath over the handles.

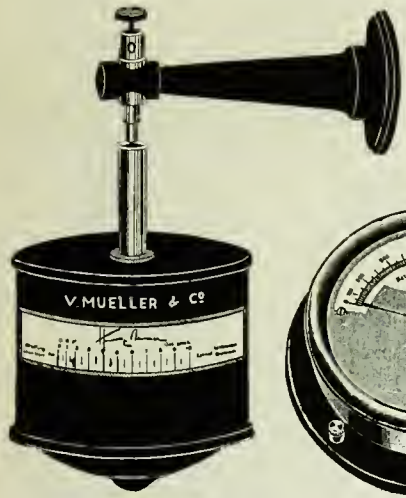
Prices according to size.

FLOOR-STAND FLUOROSCOPE

S-1050 This fluoroscope is in all respects the same as Figure S-1045, with the exception that it is mounted in a substantially made floor stand and suspended with a counterweight. This allows the use of the operators' hands, which is sometimes desirable in manipulation. We are also prepared to supply this screen with pulleys so that it may be suspended from the ceiling if desired.

Prices according to size.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



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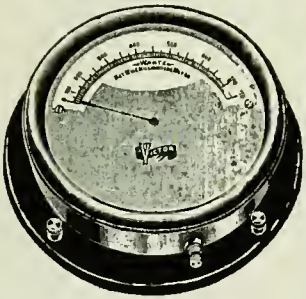

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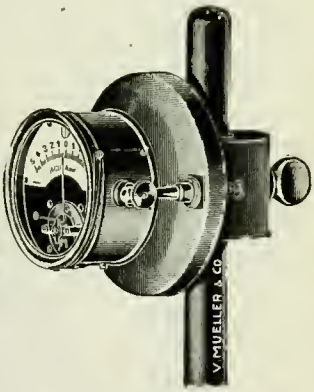


S-1065

MEASURING INSTRUMENTS FOR X-RAY AND HIGH FREQUENCY

THE QUALIMETER

S-1055 It has long been the desire of radiographers that an instrument would eventually be perfected so that the exact penetration of the X-ray may be known while exposure is being made. Milliamperemeters are of course used and are a great help, yet they register the quantity of current passing through the tube only. Penatrometers have their advantages, yet there are times when it is not altogether convenient to use the penatrometer, and without such a device it has been impossible to judge the actual penetration of the ray.

The Qualimeter is an instrument which overcomes all of these difficulties and at once gives the operator an accurate reading from a scale without unduly exposing himself, as the instrument may be placed within a cabinet or mounted to the coil. It has the endorsement of such prominent radiologists as Holzkneckt (Vienna), Levy Dorn (Berlin), Hanisch (Hamburg), and Hulst (Grand Rapids).

No modern radiographic equipment should be considered complete without the Qualimeter.
Price $55 00

WANTZ HOT WIRE MILLIAMPEREMETER

S-1060 Accurate dosage in treatment with high frequency currents, particularly in autocondensation, is being recognized as being just as essential as in galvanism. The hot wire meter is the only type with which high frequency currents can be measured. The Wantz meter represents the latest development in measuring instruments constructed and can be relied upon to give a true and accurate reading. The range is from 0 to 750 milliamperes, but special calibrations can be made to order.

It may be used in connection with any type of high frequency apparatus.
Price as shown $30 00

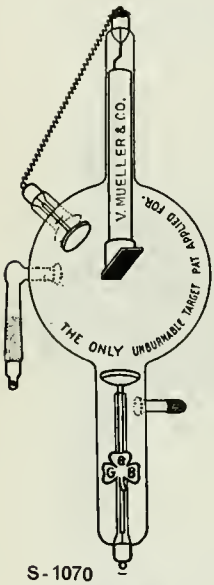
D'ARSONVAL MILLIAMPEREMETER

S-1065 Designed for measuring the quantity of current passing through an X-ray tube, when connected with induction coil or transformer.

The accuracy of the workmanship in construction of this instrument cannot be excelled. Has a double scale reading from 0 to 5 or from 0 to 50 milliamperes, and a self contained protective condensor.

Price, for attaching to X-ray tube stand as illustrated..... $17 50
Price mounted on insulated bracket for fastening to wall or coil cabinet..... 18 75

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



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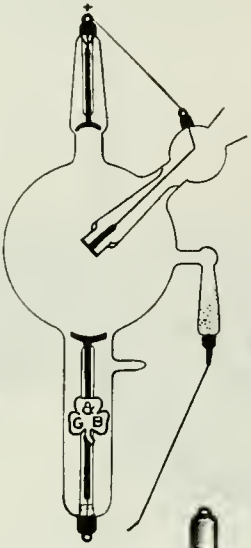
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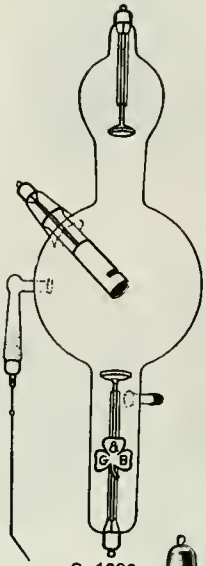
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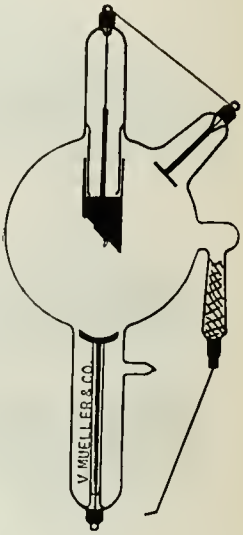

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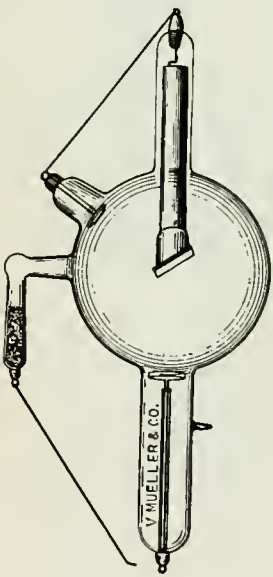
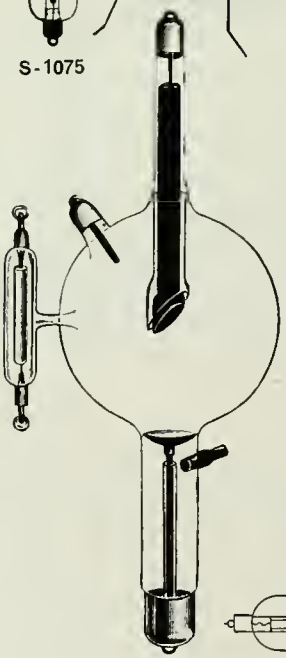


S-1095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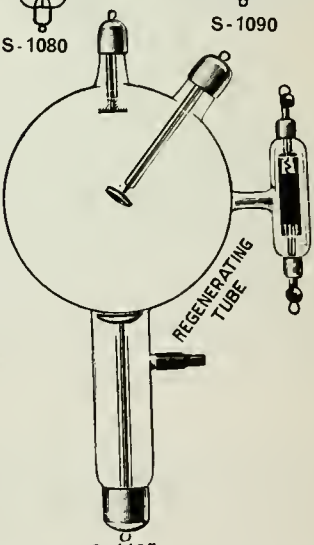

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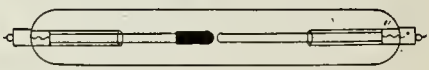
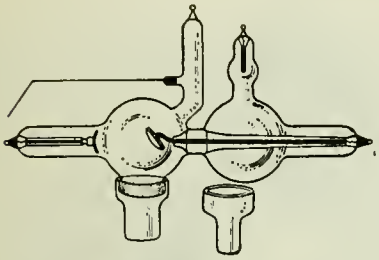
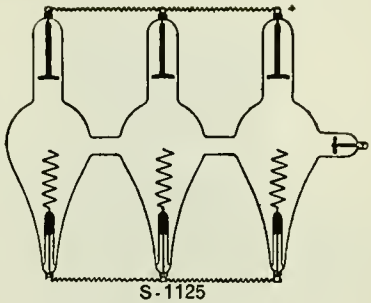

S-1115

X-RAY TUBES

S-1070	Green & Bauer Clover Leaf for Induction Coil or Transformer, 6 in	$20 00
S-1075	Green & Bauer Clover Leaf, water cool, 6 in.	35 00
S-1080	Green & Bauer Clover Leaf High Frequency, 5 in	18 00
S-1080	Green & Bauer Clover Leaf High Frequency, 6 in	20 00
S-1090	Macalaster-Wiggin for Induction Coil or Transformer, 6 in	20 00
S-1095	Machlett, Bellevue type, for Induction Coil or Transformer, 6 in	20 00
S-1100	Gundelach for Induction Coil or Transformer, 6 in	20 00
S-1105	Original Mueller for Static Machine, 5 in	11 00
S-1110	Original Mueller for Static Machine, 6 in	15 00
S-1115	Oscilliscope, for detecting inverse rays in tube	2 50



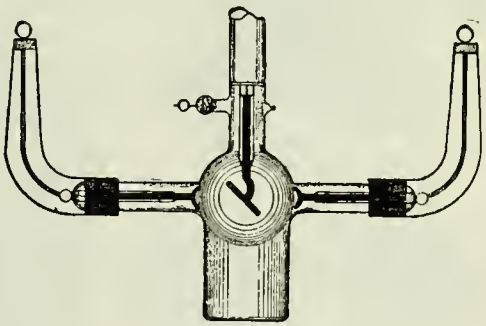
S-1120



S-1125



S-1135



S-1130

X-RAY TUBES AND ACCESSORIES

CALDWELL TREATMENT TUBE

S-1120 This tube is made entirely of lead glass with the exception of the small window through which the rays for treatment pass, thus making it a tube which is entirely safe to the operator, limiting the rays to the exact part under treatment.

Price for static machine $15 00
Price for coil 18 00

VALVE TUBE

S-1125 It is a well known fact that with the presence of inverse current in the X-ray tube it is quite impossible to secure satisfactory negatives. This inverse current produces considerable heat, thereby disturbing the vacuum of the tube, it also generates secondary rays which are detrimental to the life of the tube. When a valve tube is used in series with the X-ray tube, a current which is practically unidirectional, may be had from the induction coil, resulting in better definition, longer life to the tube and shorter exposures.

For coils of comparatively small out-put, the single valve may be used, but for heavier coils we recommend the triple valve.

Triple valve tube $30 00
Single valve tube 16 00
Double clamp holder for attaching tube to any coil..... 3 00

CORNELL TREATMENT TUBE

S-1130 This tube has been favorably known for some time through the excellent results in treating by the "actual contact" method of Geiser.

The tube is made of lead glass with the exception of the window through which the rays for treatment pass.

Made for use with induction coil, static machine or high frequency coil.

Price for coils $10 00
Price for static machine 9 00

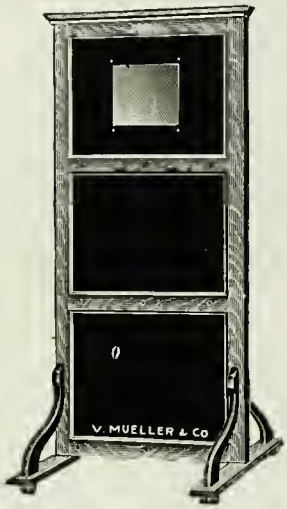
TIMING CLOCK

S-1135 The clock illustrated was designed in such a way that the bell will automatically ring when sufficient treatment has been given, it may be adjusted for from one to 60 minutes. This is also an excellent device for use in the dark room, where the time factor method of developing is used.

Price $3 50

NOTE—The tubes listed are those which have been found more popular with American Roentgenologists, and while there are many types which we do not list, we have facilities for making prompt delivery of any tubes which our customers may desire.

Each tube is carefully tested before it is shipped, also packed with the greatest possible care. When safe delivery is not insured, shipment is made only at purchaser's risk, otherwise if desired, we will insure safe delivery at 7% of the listed price.



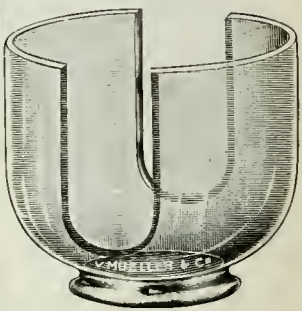
S-1140



S-1145



S-1155



S-1165



S-1150

X-RAY PROTECTIVE DEVICES

X-RAY LEAD PROTECTION SCREEN

S-1140 By means of this screen the operator is completely protected from the harmful effects of the X-ray, yet is able to observe the action of the tube. The body of the screen is made of sheet lead covered with pantasote, and genuine lead glass window for observation is contained in the upper portion. The frame is constructed of quarter sawed oak, highly polished and mounted on easy running casters. Dimensions 6 feet 5 inches high, 33 inches wide.
Price as shown $30 00

PROTECTIVE TUBE SHIELD

S-1145 This shield is made of soft rubber which has been treated with a material which practically absorbs all X-rays unless an extremely high tube is used. We recommend this shield especially to users of portable coils. Made for 5 and 6-inch tubes.
Price with 3 diaphragms as illustrated $5 50

S-1150 Lead Glass Spectacles. These spectacles contain genuine lead glass sufficiently heavy so that the X-rays cannot penetrate.
Price $3 50

S-1155 X-Ray Gloves. Form a very effectual protection and should be used in all cases where the hands of the operator are exposed such as in use of the fluoroscope. They are as thick and heavy as may be possible, yet flexible so that the operator may use his hands without difficulty.
Price $6 50

S-1160 Heavy Rubber Aprons. Made of the same material as the gloves..... $10 00

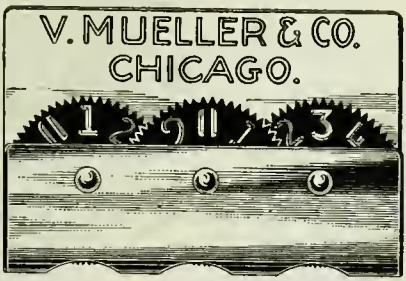
S-1165 Lead Glass Bowl. Made of genuine lead glass, ground and highly polished, thus giving the operator protection and still allowing him to observe the appearance of the X-ray tube. The bowl is of the same variety as used in connection with the various compression diaphragms and tube stands shown elsewhere.
Price each $12 00

Lead Glass. We can supply genuine imported lead glass in various sizes for use in cabinets and other devices.
Per square inch $0 05

X-Ray Foil. For protection of parts not intended to be treated with X-rays. Width 15 ins., approximately 30 ins. to the lb.
Price per lb. $0 25



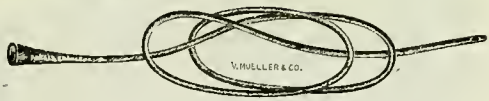
S-1180



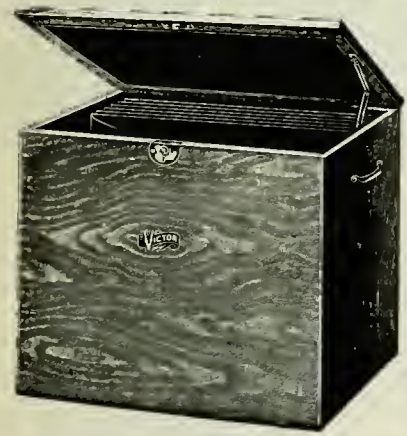
S-1220



S-1225



S-1230



S-1235

X-RAY PLATES, (LUMIERE, IMPERIAL OR CRAMER)

Unless otherwise ordered plates are furnished with a pair of envelopes for each plate. If plates are ordered without envelopes we furnish two sets of envelopes without charge.

S-1180	Size 5x7, with one set of envelopes, per dozen	$1 10
S-1180A	Size 5x7, with 12 sets of envelopes, per dozen	1 40
S-1185	Size 6½x8½, with one set of envelopes, per dozen	1 65
S-1185A	Size 6½x8½, with 12 sets of envelopes, per dozen	2 10
S-1190	Size 8x10, with one set of envelopes, per dozen	2 40
S-1195A	Size 8x10, with 12 sets of envelopes, per dozen	3 00
S-1200	Size 10x12, with one set of envelopes, per dozen	4 20
S-1200A	Size 10x12, with 12 sets of envelopes, per dozen	5 15
S-1205	Size 11x14, with one set of envelopes, per dozen	6 00
S-1205A	Size 11x14, with 12 sets of envelopes, per dozen	7 25
S-1210	Size 14x17, with one set of envelopes, per dozen	9 00
S-1210A	Size 14x17, with 12 sets of envelopes, per dozen	11 25

FILMS FOR RADIOGRAPHY OF THE TEETH

S-1215 These are celluloid films 1¼x1⅝ ins. and come in small envelopes of black paper ready for use in the mouth. The envelopes, while not waterproof, may be held in the mouth for some time without injury to the emulsion.

Dental films per ½ gross, net $2 50

PLATE MARKER

S-1220 Three wheels of lead are rotated past three openings in the brass sheet, each wheel contains numbers 1 to 9, thus registering to 999. The name is cut in the heavy brass and identifies the laboratory in which the radiograph is made.

Metal plate marker, 20 letters in name $5 75

LEAD LETTERS AND FIGURES

These lead letters are the size illustrated and may be mounted on a suitable base.

S-1225 Lead letters and figures. Price each $0 06

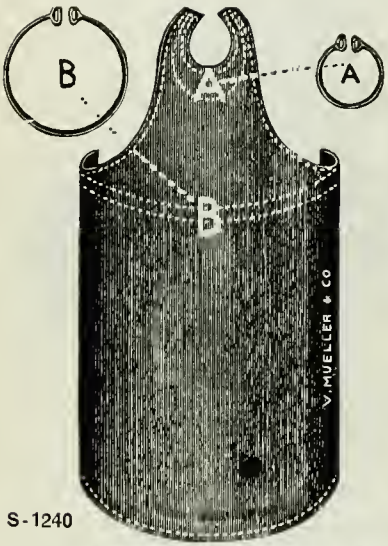
X-RAY CATHETER

S-1230 For showing location and shape of ureters. Absolutely opaque to X-rays $3 00

LEAD LINED BOX

S-1235 For the preserving of X-ray plates. Is such a convenience that few operators feel that they can afford to be without one. This box is very strongly made of oak, well lined with sheet lead.

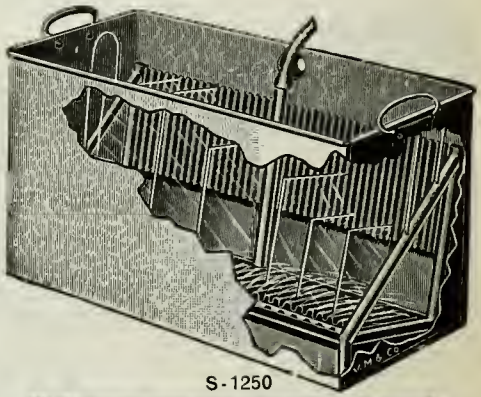
Price $14 00



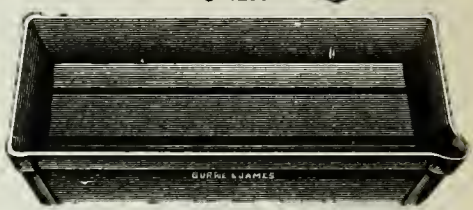
S-1240



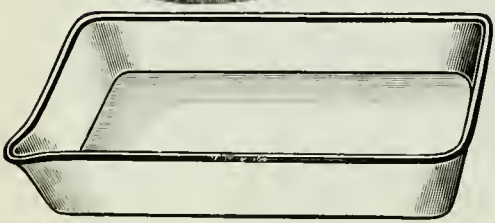
S-1245



S-1250



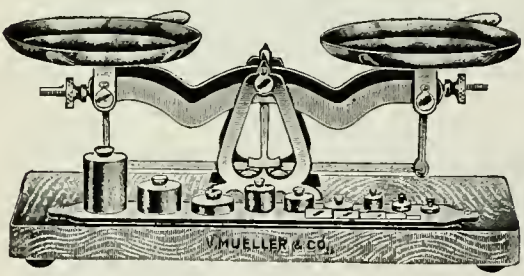
S-1260



S-1255



S-1270



S-1265

DARK ROOM ACCESSORIES

BLACK RUBBER APRON

S-1240 With springs (A and B).. $1 25

HYDROMETER

S-1245 35

PLATE WASHER

S-1250 Heavily made of galvanized iron, allows thorough washing of the plates and occupies but little space.

No. 4 for 30 plates 8x10 or smaller..... $4 50
No. 5 for 30 plates 11x14 or smaller..... 6 00
Larger sizes to order.

DEVELOPING TRAYS

S-1255 Made of one piece of stamped steel and white porcelain enamel.
For 8x10 plates 1 75
For 14x17 plates 3 75

DEVELOPING TRAYS

S-1260 These trays are made of pure rubber reinforced at the corners.
For 8x10 plates 1 80
For 14x17 plates 6 90

SCALE

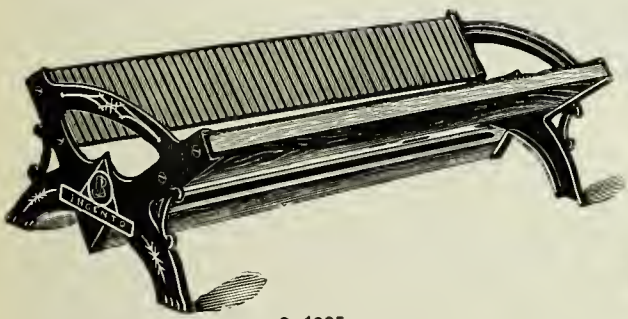
S-1265 This scale is very accurately made, being sensitive to ½ grain. Pans measure 3½ ins. in diameter. Each scale is supplied with 14 brass and aluminum weights.
Price complete with weights from ½ grain to 2 ounces..... $3 50
S-1270 Graduates, 1 oz., $0 20; 4 oz., $0 25; 16 oz., $0 60; 32 oz. 1 25



S-1275



S-1290



S-1285



S-1280

DARK ROOM ACCESSORIES—Continued

RUBY DEVELOPING LAMPS

S-1275 Strongly made of quartered oak, perfectly safe in the dark room..... $5 00

S-1275A This lamp is the same as No. S-1275 except that it has an eye shade which is an aid to vision without increasing the light's intensity..... $6 00

S-1280 This lamp is well constructed, being made entirely of metal with copper oxidized finish. The lamp is fitted with three glasses and illumination is supplied by an 8 C. P. incandescent lamp.
Price complete with plug and cord..... $2 50

NEGATIVE RACK

S-1285 This rack has capacity for 42 negatives, and any size can be accommodated from 14x17 to 5x7. Is rigidly constructed and contains a trough for catching the drippings.
Price $1 25

DEVELOPING TITUBATOR

S-1290 This titubator for the automatic rocking of the developing tray fills a long felt want where a considerable amount of developing is done. We supply a light proof tray holder for 8x10 plates with each instrument. Price..... $30 00

PHOTOGRAPHIC CHEMICALS

X-OL The new developer for X-ray plates.

X-OL developer combines the good qualities of strong and contrasty developers, and brings out structure with striking distinctness. This is an easily used developer which can be quickly prepared.

X-OL salts, per one lb. bottle $0 35
X-OL developer, per one oz. bottle 30
Edinol, per oz. $0 75; per ¼ lb 2 75
Eikomogem, per oz., $0 37; per ¼ lb 1 20
Hydroquinone, per oz., $0 20; per ½ lb., $1 00; per lb 1 80
Hyposulphite of soda, (Hypo), per lb 05
Metol, per oz., $0 75; per ¼ lb 2 75
Potassium bromide, per oz., $0 15; per ½ lb 50
Potassium carbonate C. P., per lb 35
Sodium bi-carbonate, per lb 15
Sodium bi-sulphite, per lb 30
Sodium sulphite, per lb 20

Other photographic chemicals at regular market prices.

JOURNALS

Archives of the Roentgen Ray. London, England. A monthly journal devoted to physical therapeutics and particularly to the Roentgen ray. This is the recognized English periodical on this subject.

Subscription per year $4 50

The Journal of Advanced Therapeutics. Official organ of the American Electric Therapeutic Association, edited by Dr. W. B. Snow, New York. Monthly.

Per year $2 00

Physiologic Therapeutics. Devoted to electro therapeutics and hydrotherapy. Dr. H. M. Harrower, Chicago, editor. Quarterly.

Per year $2 00

BOOKS AND ATLASES

X-Ray and High Frequency Currents in Medicine, by Dr. Gordon G. Burdick, Chicago $2 75
Practical X-Ray Theraphy, by Dr. Noble M. Eberhart 1 50
A Working Manual of High Frequency Current, by Dr. Noble M. Eberhart 2 50
High Potential and High Frequency Currents, by Dr. Wm. B. Snow, New York 2 50
Medical Electricity and Roentgen Rays, by Dr. Sinclair Tousey, New York 7 00

Radiographic Atlas of the Mastoid Region and of the Nasal Accessory Sinuses, by Dr. Joseph C. Beck, Chicago 8 00

This atlas contains a series of 25 full size actual photographs (not half tones) of the various conditions, normal and pathological, to be found in the mastoid region and accessory sinuses; each photographic plate is explained by exact, full size tracings, with all land marks carefully indicated.

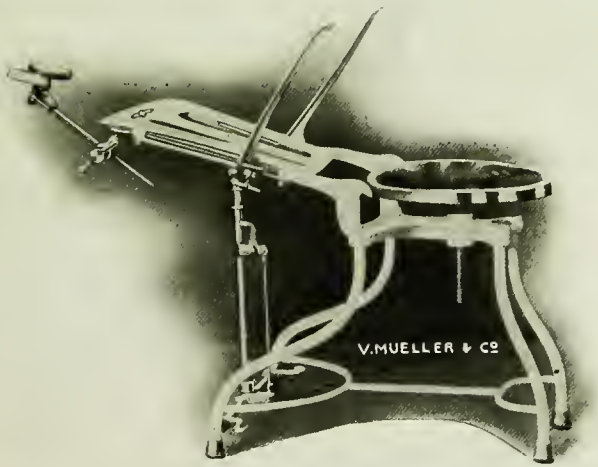
The interpretation of radiograms is represented; the choice of X-ray tubes, time of exposure, position of subject, development of plates, selection of apparatus and all the details of radiographic technic necessary to enable the investigator to conduct his own practical observations, are considered.

Radiographic Atlas of the Pathologic Changes of Bones and Joints, by Amédéé Granger, New Orleans. Contains 78 plates with interpretation of each plate $6 00
Electro Therapeutical Practice, Prof. C. S. Neiswanger, Chicago 1 50
Mechanical Vibration Therapy, Dr. W. B. Snow 2 50
High Frequency Currents, Dr. Evelyn Crook 2 00
Practical Hand Book of Medical Electricity, Dr. Herbert McIntosh, Boston 3 00
Dr. R. E. Austin's Stereoscopic Atlas. Containing forty sets of radiographs and stereoscope 50 00

Section "T"

Office and Hospital Furniture

Sterilizing Apparatus Invalid Beds, Etc.



T-1



THE WHITE LINE SPECIALIST'S CHAIR



This chair was designed especially for the specialist in eye, ear, nose and throat work, but will also be found very convenient by the general practitioner for the same class of work. We have endeavored to, and believe we have produced a chair that will meet the demands of this class of work in the most satisfactory manner.

The round chair seat is revolving, and is adjustable in height from 18 to 25 inches.

The back is shaped to give the greatest comfort to the patient, is adjustable to any angle by means of a telescoping rod and tube; the rod toothed to receive the hinged dog (a positive lock), operated by foot pedals from either side of the chair; arm rests on either side of the chair can be raised or lowered by means of set screw to suit the needs of the patient, or removed entirely when necessary in operative work.

The head rest gives the greatest range of adjustability in height, in angle front or back, and in the tilt of the head rest proper up or down, and is locked and controlled by a single set screw.

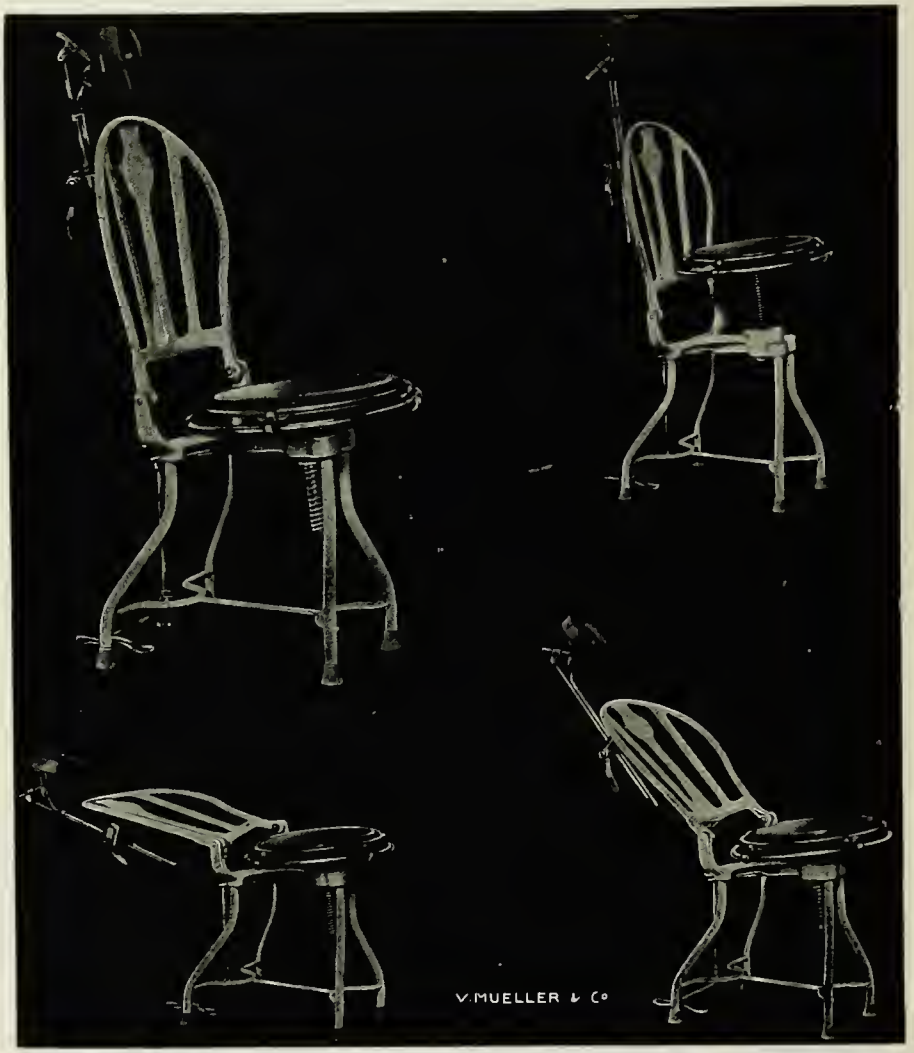
The frame and body of chair are made of wrought iron, finished in three styles as given below, and mounted on heavy rubber tips or sliding shoes as selected.

T-1 White Line Specialist's chair, A, finished in white enamel, with nickel plated seat and trimmings $25 00

T-1 B, finished in white enamel, with oxidized copper seat and trimmings..... 25 00

T-1 C, finished throughout in oxidized copper..... 25 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-5

V. MUELLER & CO.'S SPECIALIST CHAIR

Patent's chair for eye, ear, nose and throat work, designed to meet the demand for a simple chair of an inexpensive pattern. The back is adjustable by means of foot pedals, one at each side, which makes a most convenient method of adjustment. The seat is revolving so that the patient can turn without moving the chair, and is adjustable in height, so as to suit any size patient. It has a rod around it for the patient to grasp hold of, doing away with the necessity of arm rests which are generally in the way. The head rest is simple and easily adjusted to any position with one set screw. The chair is made entirely of metal, is aseptic, and practically indestructible. The seat, pedals, and head rests are nickel plated or oxidized copper. The seat is spun sheet metal. The frame of the chair is finished in white enamel, but can be furnished with grained enamel finish. In ordering specify the kind of finish and trimmings wanted.

T-5 Price $25 00

We can furnish the chair with arm rests if desired. This style is known as style T-5A.

T-5A Price $30 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-10



T-15



T-25



T-20



T-30

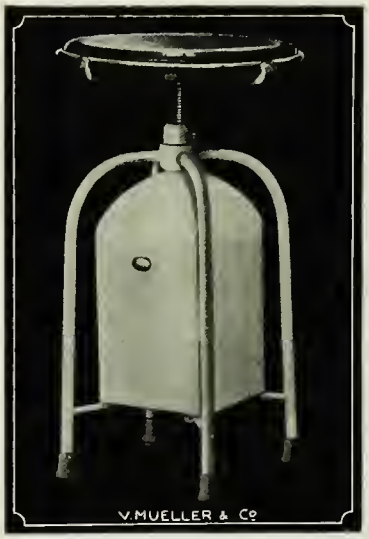


T-35

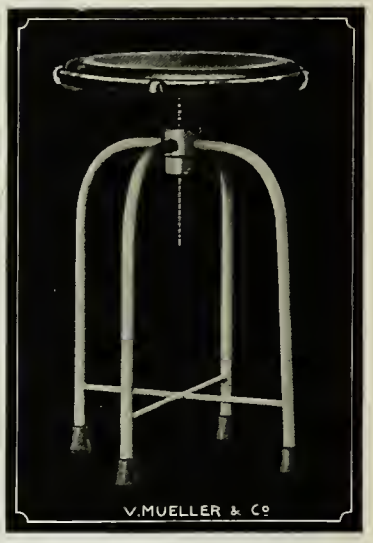
PATIENTS' CHAIRS AND HEAD RESTS

T-10 Specialist's chair, Allison. Wood seat and back, of cherry or quartered oak, finely polished $45 00
T-10A Specialist's chair, Allison, seat and back upholstered in genuine leather..... 50 00
T-15 Specialist's chair, Chappell's, with arm rest..... 18 00
T-15A Specialist's chair, Chappell's, without arm rest..... 15 00
T-20 Specialist's chair, Pynchon's..... 7 00
T-25 Patient's chair, No. 15, finely finished in oak or cherry, extra strong pedestal..... 5 75
T-30 Patient's chair, regular, finished in oak..... 4 75
T-35 Head rest, nickel plated, can be attached to any chair..... 3 00

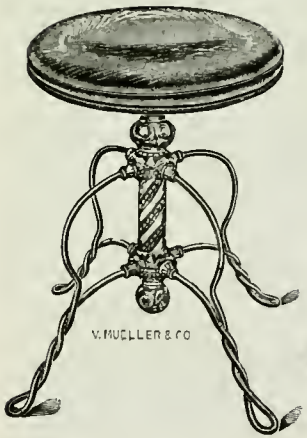
Do not mutilate catalogue.—Specify section letter and number in ordering.



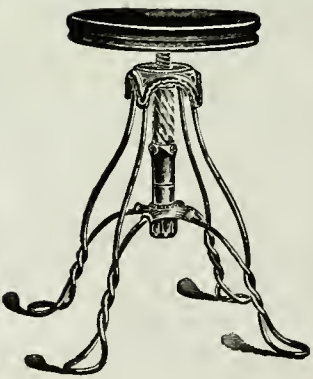
T-40



T-45



T-50



T-50A



T-55

OPERATING STOOLS

T-40 Operating stool, made of steel tubing with heavy spun metal seat. The seat is adjustable from 18 to 24 inches and is nickel plated. These stools are furnished either white enamel with nickel trimming, imitation oak with nickel or oxidized trimming $8 00

T-45 Operating stool, construction same as T-40 but without the waste receptacle..... 5 00

T-50 Operating stool, with polished wood seat in mahogany or oak finish. Substantial pedestal oxidized 3 50

T-50A Operating stool, wood seat, finished in oak, pedestal oxidized..... 2 50

T-55 Operating stool, frame of round cold rolled steel reinforced with malleable steel fittings. Top of stand, steel, finished in white enamel..... 6 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-60 T-65 T-70 T-75



T-80



T-90



T-85

SURGEONS' STOOLS AND CHAIRS

T-60 Operating stool, with three legs, adjustable from 25 to 31 inches $4 50

T-65 Operating stool, with three legs, adjustable from 19 to 25 inches 4 50

T-70 Operating stool, with four legs, adjustable from 25 to 31 inches $6 00

T-75 Operating stool, with four legs, adjustable from 19 to 25 inches 6 00

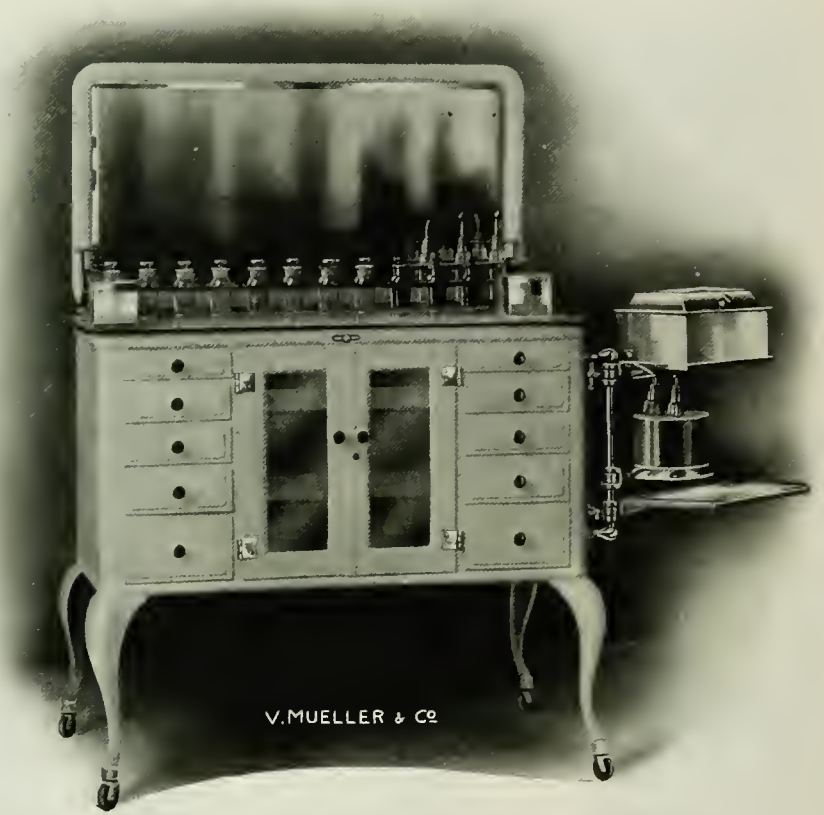
These stools are made of wrought steel, white enameled. Can be furnished with real porcelain enameled seats at $1 00 additional.

T-80 Operating room chair, made of steel throughout, white enameled, two sizes, $5 50 and 6 00

T-85 Operating room chair, made of steel throughout, white enameled 7 00

T-85A Chair as above with arm rest 8 00

T-90 Foot stool for use in operating room, made of wrought iron and steel, corrugated rubber top, finished in white enamel 3 50



T-95

"MULTUM IN PARVO" SPECIALIST'S CABINET

The "multum in parvo" cabinet is a most beautiful and practical design of a combined treatment and instrument cabinet.

The body of this cabinet is made of pressed steel reinforced on its inner surface to give it great strength and rigidity. All corners are rounded.

The ten steel frictionless drawers are of improved construction, arranged conveniently five on each side of the instrument cabinet. These drawers are 7 inches wide, 14 inches long, and of the following depth respectively: 1 inch, 1½ inches, 2 inches, 2½ inches and 4 inches.

The lower drawer on the right hand side is fitted with a copper nickel plated container for sterile cotton, and a copper nickel plated receptacle for waste pledgets.

The central instrument cabinet has two shelves of polished plate-glass, double close fitting doors of beveled plate glass with Pasquil lock and key; dimensions 18 inches wide, 16 inches high and 18 inches deep.

A heavy polished plate glass slab 36x18 inches with corners rounded and polished, resting on rubber tips and held securely in place, forms the top of the "multum in parvo" cabinet.

The bottle rack resting on the polished plate glass top is of copper nickel plated and holds twelve spray tubes and twelve two-ounce salt mouth, glass stoppered bottles. The glass stoppered bottles (crystal, blue and amber) are supplied with the cabinet, but not the sprays.

The mirror on this cabinet is of the finest beveled French plate, is rounded and mounted in a half oval white enamelled steel frame.

The "multum in parvo" cabinet is 32 inches high, 36 inches wide and 18 inches deep, and is mounted on easy moving rubber rollers. The cabinet is finished in the highest grade of enamel, hand rubbed and baked. We supply them in the following finishes: White enamel, mahogany, golden oak and weathered oak. When ordering please state the style of finish desired.

T-95 Multum in parvo specialist's cabinet without work bracket.....$65 00

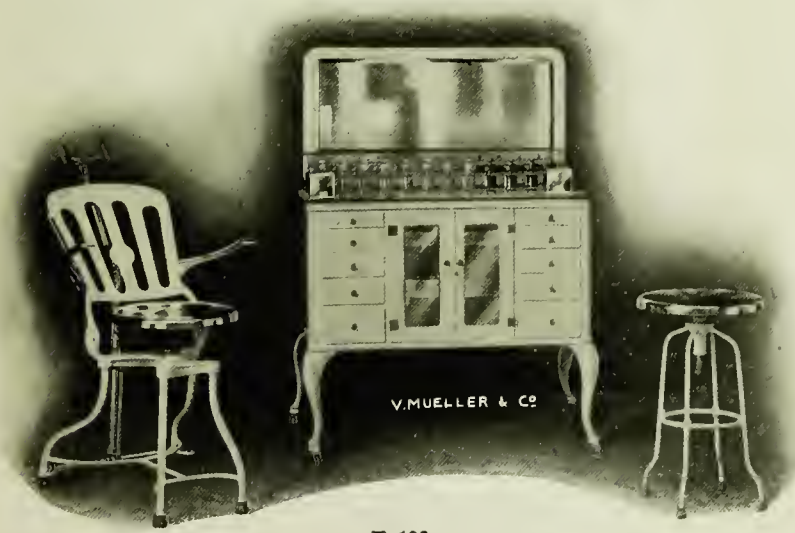
For description and price of work bracket and accessories see page 641.

Do not mutilate catalogue.—Specify section letter and number in ordering.

"THE WHITE LINE" "MULTUM IN PARVO" SWINGING WORK BRACKET

The bracket consists of nickel plated steel upright screwed into two nickel plated brass flange fittings, which are fastened to the side of the cabinet with nickel plated screws and nuts. The swinging hinge brackets are made of brass nickel plated are adjustable up or down by means of collar and set screw, and can be swung in full half circle radius. The sterilizer is our T-515A made up especially for this class of work, with electric heating unit. The spray tube heater is of the well known DeVilbiss pattern, made of brass and nickel plated. The working tray is a piece of polished plate glass 8 ins. x 16 ins. x 3/8 ins., set in a brass nickel plated frame.

T-95A The "Multum in Parvo" cabinet with swinging work bracket.....$102 50
"Multum in Parvo" swinging work bracket, with accessories..... 37 50



T-100

"WHITE LINE" "MULTUM IN PARVO" CABINET

(With specialist's chair and specialist's stool)

A complete three-piece equipment for the specialist's office: "Multum in Parvo" combined treatment and instrument cabinet.
"White Line" specialist's chair.
"White Line" specialist's stool.
Aseptic, convenient, practical, time saving and most attractive in appearance.

T-100 "Multum in Parvo" cabinet, "White Line" specialist's chair T-1, and "White Line" specialist's stool, T-55.....$97 00



T-105

V. MUELLER & CO.'S SPECIALIST'S CABINET

This is a most handsome, practical and complete cabinet for eye, ear, nose and throat work. It is made entirely of metal with white enamel or imitation oak finish. It has ten drawers of varying depths, and a glass-encased compartment with two polished plate glass shelves. It has a heavy polished plate glass top, and a handsome mirror at the back. The cabinet can be furnished either with or without the mirror. It has a nickel plated rack for bottles and spray tubes. It is made of such convenient height that anything it contains can be reached most conveniently. It is far superior to the old-fashioned wooden cabinets, as it can be washed and kept thoroughly clean and free from odors and contamination. One dozen 2-oz. assorted bottles furnished with each cabinet.

Dimensions: 36 inches wide, 18 inches deep, and 32 inches high. Size of mirror 12x32 inches.

Cabinet T-105 same as above, without mirror.....$60 00
Cabinet T-105, same as above, with mirror..... 65 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-110

V. MUELLER & CO.'S SPECIALIST'S OUTFIT

A handsome and complete outfit at a very reasonable price. The articles are all made of metal with white enamel finish. The cabinet has six drawers, and a glass-encased compartment with one polished plate glass shelf. It has a heavy polished plate glass top, and a nickel plated rack for bottles and spray tubes. It has a mirror at the back, but can be furnished without mirror if desired. The drawers have oval paneled fronts, with polished glass knobs. Dimensions, 36 inches wide, 18 inches deep, 32 inches high.

The patient's chair has an adjustable back, head-rest, and seat, and is most complete for work in this line.

The stool has a waste receptacle underneath, which is most convenient, and does away with having an unsightly waste basket or box for this purpose. We also make the stool without receptacle.

We call attention to our chair and stool seats which are made of spun sheet metal. These seats are far superior to the iron or wood seats. They are very comfortable, and have a nickel plated finish. We can also furnish them with an oxidized copper finish if desired.

T-110 price of this outfit, complete	$88 00
Cabinet, same as above, without mirror	50 00
Cabinet, same as above, with mirror	55 00
Chair, T-5	25 00
Stool, T-40	8 00
Stool, without receptacle, T-45	5 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-120



T-125

SPECIALISTS' CABINETS



T-115

These cabinets are designed to fill the requirements of the eye, ear, nose and throat specialist. They are constructed only of the most carefully selected materials. The wood is quarter sawed oak, finished regularly in Old English, golden or weathered oak. Special finishes to order. Interior of all drawers, instrument section and clean linen compartment finished in hard white enamel. Compartments for cotton, clean and soiled linen. These cabinets are practically indispensible for the busy specialist.

T-115 Polished wood top, bevel mirror back and set of bottles $48 50

T-120 Polished wood top, lower section D. S. glass doors, sides and shelf, with set of bottles..... 58 50

T-125 Polished wood top, lower section D. S. glass doors, sides and shelves, with set of bottles.... 83 50

Plate top for lower section..... 5 00

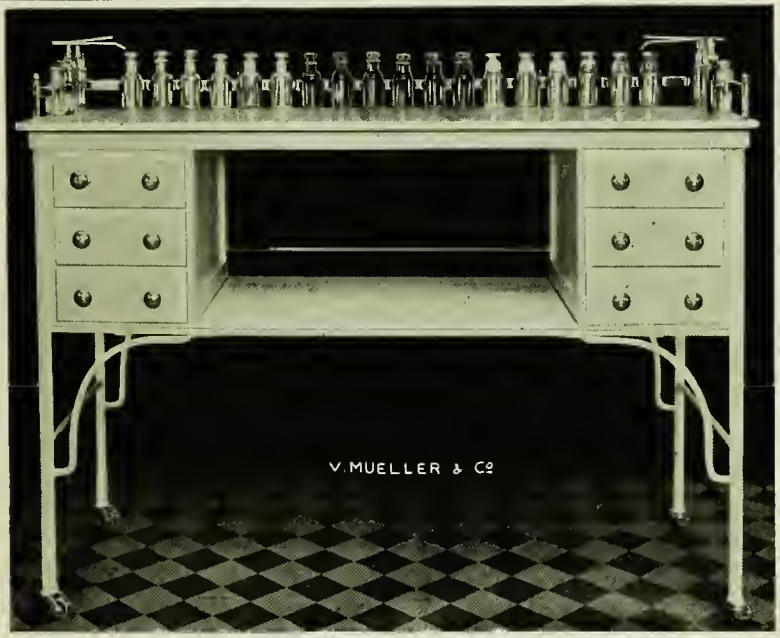
Plate mirror top for lower section..... 7 50

Plate glass shelves instead of D. S. shelves, on No. 120 ..... 2 50

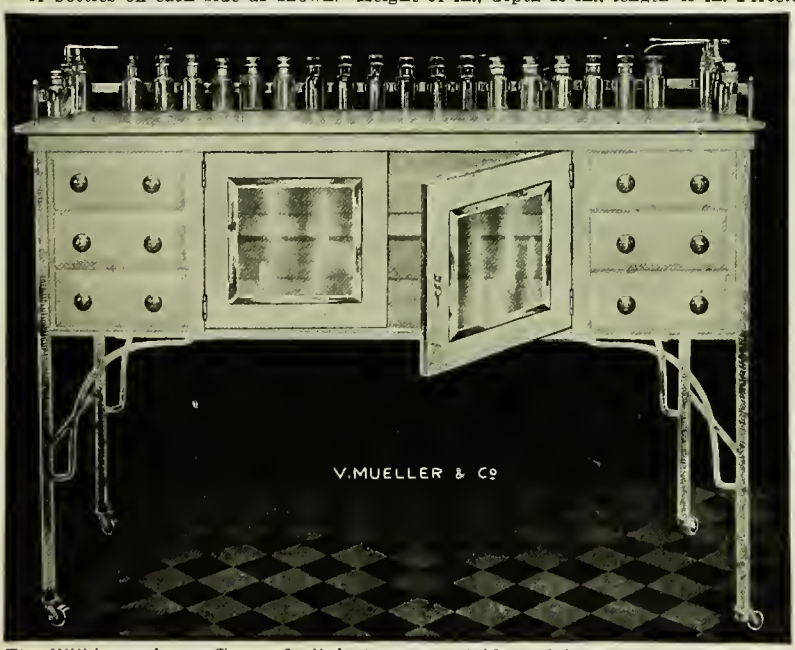
Plate glass shelves instead of D. S. shelves, on No. 125 ..... 2 50

Swinging spray heater, with attachment for electricity or alcohol $5 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-130 The Mertins long office and clinic treatment table with white glass top and shelf having six large glass-lined drawers with white beveled glass fronts. The top is supplied with an oxidized brass rail with an assortment of 18 blue, amber and crystal bottles and it is also equipped with a series of clips for spray tubes or bottles on each side as shown. Height 34 in., depth 18 in., length 48 in. Price.$55 00



T-135 The Wilkinson long office and clinic treatment table and instrument cabinet combined. The same in dimensions as T-130 with the addition of the cabinet Price.$75 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-140

SPECIALIST'S TREATMENT STANDS

T-140 This stand is a handsome and high-grade article. It is made entirely of metal with white enamel finish. It has six drawers which are enameled inside, and have oval panel fronts with polished glass knobs. It has a polished plate glass top with polished edges, and also a polished plate glass shelf below. It has a nickel plated rack for bottles and spray tubes. There is included with this stand one-half dozen salt mouth bottles, and one-half dozen tincture bottles. The stand has casters. It is thoroughly aseptic and easily kept clean. The dimensions are 18 inches deep; 30 inches wide; 32 inches high.

T-140 Price, without shelf.....$35 00
T-140A Price, with shelf..... 40 00

This stand can also be finished in imitation golden oak.

THE ALLISON INSTRUMENT STAND

The regular finishes are old English, golden or weathered oak, but special shades, including the dull finishes, imitation mahogany and white enamel can be supplied without extra charge. Special finishes and white enamel require more time for delivery. Genuine mahogany, $5 00 additional. Top, bottom and shelf are plate glass.

Dimensions, T-145, 17x25x34 inches.
T-150, 17x31x34 inches.

T-145 D. S. doors and sides.....$20 00
T-145A Beveled plate door and sides..... 30 00

The above treatment stand equipped with fender and metal bottle loops, extra..... $2 50



T-145



T-150

THE ALLISON INSTRUMENT STAND

This stand differs from stand No. 1 in that it has 6 drawers in the lower compartment.

T-150 D. S. doors and sides.....$30 00
T-150A Beveled plate door and sides..... 37 50

The above treatment stand equipped without fender and metal bottle loops, less..... $2 50

White opalite glass furnished in bottom of instrument compartment.



T-160



T-155

TREATMENT TABLES

This table, "The Washington" treatment table will prove of practical value and great convenience to the nose and throat specialist. It is of graceful design and is strongly constructed. The cabinet of sheet metal drawers is easy of access. The top is of heavy polished plate glass 18x33 inches; the nickel plated guard rail is furnished with spring clips for holding twelve ground stoppered salt mouth bottles, and twelve spray tubes. The frame is of wrought iron tubing, finished in white enamel, and mounted on rubber tips.

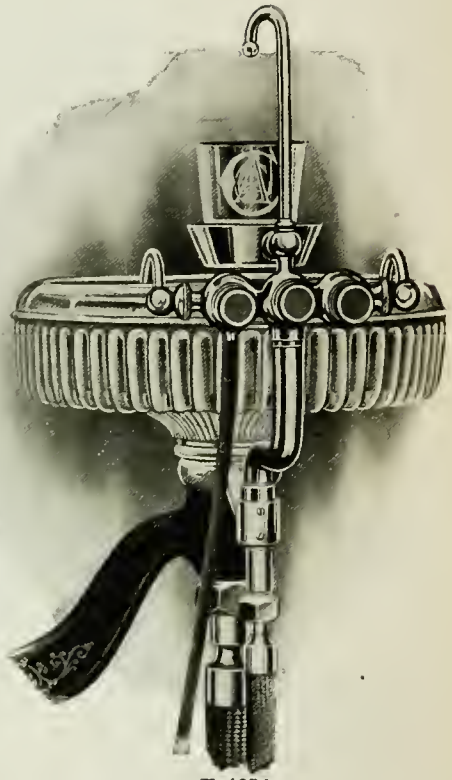
T-155 The Washington treatment table, complete with 6 crystal, 3 amber, and 3 blue salt mouth, ground stoppered bottles $35 00

This, V. Mueller & Co.'s office and treatment table, is a convenient table for the general practitioner. The top is of iron coated with snow white porcelain enamel; the shelf of polished plate glass; the frame of wrought iron tubing finished in white enamel and mounted on lignum vitae casters. The nickel plated guard rail is furnished with spring clips for holding spray bottles.

T-160 Office treatment table.....$12 00



T-165



T-165A



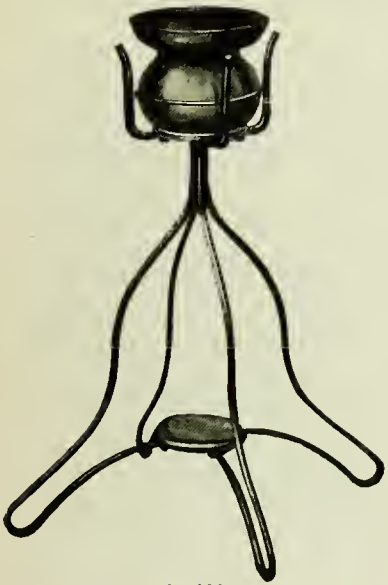
T-170

FOUNTAIN SPITTOONS

T-165 Fountain spittoon, Clark's, for nose and throat specialists. This spittoon is very simple and easily taken care of. There is little nickeling to clean and on account of its careful construction it is giving entire satisfaction to the nose and throat specialist. We can furnish this spittoon either with floor stand or wall bracket complete with tubing and connection.....$30 00
Finished in white enamel extra..... 5 00
When ordering please specify whether clear, blue, amber or ruby bowl is wanted.

T-165A Clark's college spittoon is similar in every way to the Clark nose and throat spittoon with the exception that it has no saliva ejector attachment. Complete with either stand or wall bracket.....$30 00
Finished in white enamel, extra..... 5 00

T-170 Fountain spittoon, Weber's, has an overflow through the side of the bowl just like a wash stand and is absolutely noiseless in operation. The water does not whirl secretions around in sight of the patient, they are carried straight down to the outlet no matter where they strike the bowl. Complete with either stand or wall bracket..... 40 00



T-180



T-185



T-175

CUSPIDORS AND STANDS

The fountain cuspidor De Luxe. Made of genuine solid, white, vitreous china. No fixtures or metal is shown with the exception of the stop-cock in back, no rubber tubing, floor plate or any other fixtures are in sight, as the connection is made under the base, through the floor. Dimensions: Height from floor to top over all 28 inches; outside diameter of the bowl 10½ inches; diameter of the base 12¾ inches. This cuspidor has a trap same as the old style, allowing overflow of water and in addition has an excess overflow at the top of the bowl preventing all possibility of the bowl overflowing.

T-175 Price $45 00
T-175A Same as above with the addition of a supply cock for drawing drinking water..... 50 00

CUSPIDOR HOLDER

Made of metal with oxidized copper finish, and is thoroughly aseptic. No bad corners where dirt can accumulate, and easily cleaned. The stand and cuspidor can be furnished with white enamel finish if desired.

T-180 Stand and cuspidor..... $4 00
T-180A Stand only 3 00
T-180B Cuspidor only 1 00

CUSPIDOR HOLDER

Made of light steel, 21 inches high, handsomely copper plated.

T-185 Price $3 00
T-185A Ornamental glass cuspidor, as illustrated (in two pieces), ruby, blue or green..... 1 00
T-185B Metal oxidized copper cuspidor..... 1 50
T-185C Two-piece aseptic white enamel cuspidor..... 2 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-190

EXAMINING AND OPERATING CHAIRS

CROWN SURGICAL CHAIR

This chair is built throughout of the best materials obtainable, the mechanical construction and finish are of the highest grade, and the product is a chair capable of serving the physicians or surgeon in his office practice. Illustration here shows the chair in normal position. All the positions necessary in general or special practice are obtained easily and quickly, and can be held securely. If interested please write for special catalogue showing the chair in 12 different positions.

T-190 Crown surgical chair, finished in black and upholstered in black leather.....$65 00

T-190A Crown surgical chair, finished in white enamel and upholstered in white leather $70 00



T-195

McDANNOLD SURGICAL CHAIR

The chair is shown here in an upright position, all reclining positions are obtained by handle No. 1. Head-rest can be moved up or down, backward or forward to suit size of patient or position desired. Among the principal positions that can be obtained from this chair, are the following: partly reclined and tilted for examination of eye, ear, nose and throat; dorsal for rectal and vaginal examination; Sim's position, chair tilted to side; full reclining or table position, (length with head-rest extended, 6½ ft.); chloroform narcosis position, with head depressed, height 32 inches. The chair can be furnished upholstered in olive green or black leather.

T-195 Price $40 00



T-200

EXAMINING AND OPERATING CHAIRS

YALE SURGICAL CHAIR

No other chair on the market has such a wide range of usefulness and there is no position used by the modern surgeon and gynaecologist that may not be obtained from this chair. The drop seat enables the operator to secure the correct dorsal position without moving the patient when vaginal, rectal and uterine examination or treatment are to be given. The chair can be locked at any desired angle. It can be raised and lowered by means of foot lever and compressed oil pump. The height of seat from floor can be extended from 24 to 34 inches.

T-200 Complete with adjustable stirrup and head rest, upholstered in genuine leather $70 00

T-200A Upholstered in imitation leather 65 00



T-205

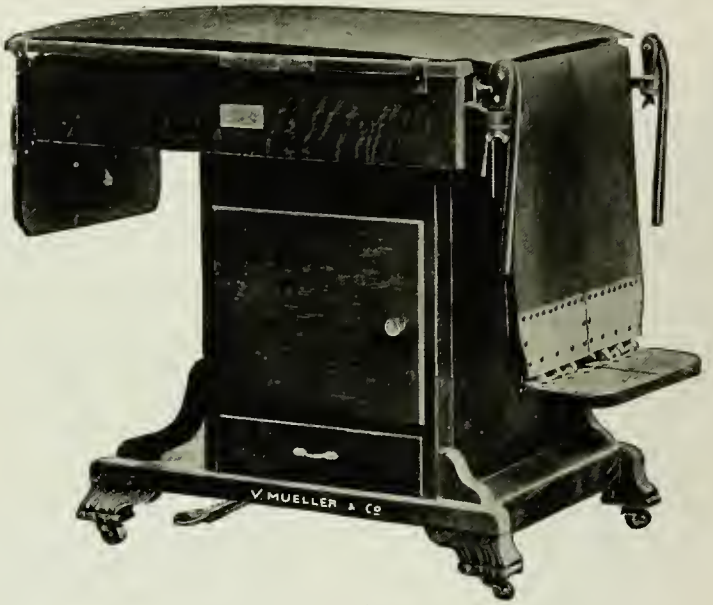
OXFORD SURGICAL CHAIR

This chair is a modified form of the Yale chair, the same high grade materials are used throughout and the majority of the parts of the two chairs are interchangeable. The point of difference lies in the design and construction of the raising and lowering device and on the operation of the seat. In the Oxford the elevation is secured by means of a revolving screw instead of an oil pump and foot lever, and the seat is either a divided one or plain without the drop feature. When supplied with the divided seat, the front section may be let down out of the way, when the patient has been placed in position for genito urinary examinations or treatments. All positions can be secured on this chair and for general utility and service no better equipment can be had for the money.

T-205 Complete with adjustable stirrups and head rest, upholstered in genuine leather $50 00

T-205A Upholstered in imitation leather 45 00

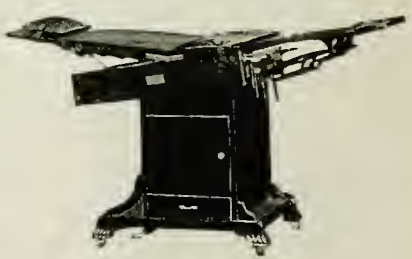
T-205B Divided drop seat, extra.... 10 00



T-210



Chair Position



Genito-Urinary Position

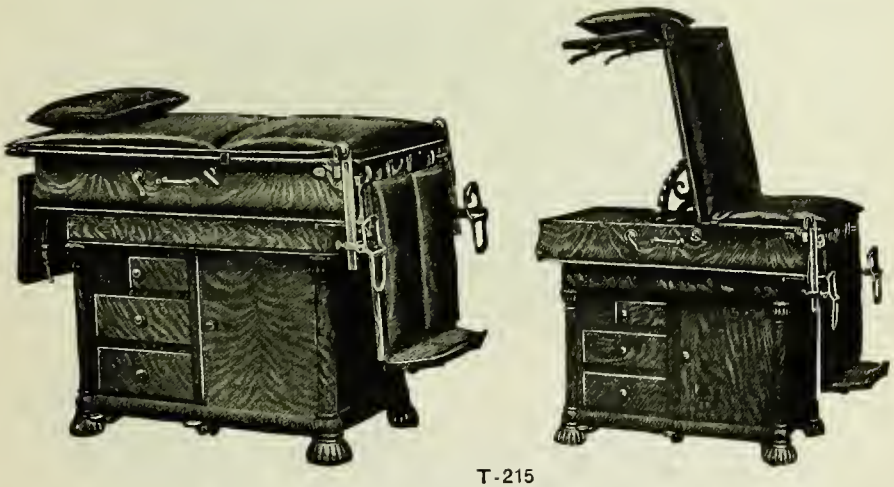
SURGICAL TABLES

V. Mueller & Co.'s office examining and operating table is designed to meet the requirements of physicians who desire a good all-round table for general office use. While it is not of as fine a design as the more expensive table, it is in keeping with the latest style furniture. We put a nice oil-rubbed finish upon it, and it makes a very handsome piece of office furniture. The stirrups are adjustable, and are either nickel plated or oxidized copper finish. Copper unless otherwise specified. The frame of the table is made of oak; the sides, leg-rests, head-rest and more prominent parts quarter-sawed. It is furnished with either an imitation or genuine leather cushion and pillow. Has all the different positions and movements usually used. The leg-rests are divided, and can be removed. They are adjustable, and the head-rest is also adjustable. The top of the table is adjustable to any angle, and the patient can be placed into any position by means of a foot pedal. The cabinet underneath has two enamel trays on each side, which swing around to the side and front. It also has one large drawer, which opens from either side.

Dimensions: Height, 32 inches; width, 22 inches; length in normal position, 38 inches; length extended, 72 inches.

T-210 Price of table with imitation leather cushion and pillow.....$60 00
T-210A Price with genuine leather cushion and pillow..... 70 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-215

ALLISON EXAMINING AND OPERATING TABLES



T-220

This is the highest type of table manufactured. Every possible position needed can be easily and quickly obtained. Automatic connection between back and leg-rests. Six swinging instrument trays in revolving cabinet. Detachable leg-rests. Stirrups and leg crutches. Made of selected and quarter-sawed oak. Loose leather cushions and pillow. Oxidized copper or nickel trimmings.

T-215 With leather cushions and pillow, leg-rests, pads and glass drawer bottoms....$110 00

An excellent low priced table. All important positions required in general practice can be readily obtained. Adjustable and detachable leg-rests. Plain oak, japanned trimmings except stirrups and sockets which are oxidized copper. Leatherette cushion and pillow.

T-220 With imitation leather cushion and pillow.....$52 50



T-225



T-230



T-230

ALLISON EXAMINING AND OPERATING TABLES

These iow priced tables will answer the requirements of most cases arising in general practice. The leg-rest, table top and drop leaf are adjustable to different angles. Japanned trimmings, with adjustable oxidized copper stirrups, solid square legs anti-friction casters complete a very serviceable table which will appeal to many. Made of plain oak finished only in waxed, weathered or golden gloss. Style T-230, same as T-225, except for cabinet under head of table.

T-225 No upholstery $22 50
T-225A Top upholstered in imitation leather with pillow 30 00
T-225B Finished top imitation leather cushion and pillow 30 00
T-225C Top upholstered in genuine leather with pillow 35 00
T-225D Finished top with genuine leather cushion and pillow 35 00
T-230 Price is $10 higher than for the style T-225.
Detachable leg-rest on either styles T-225 or T-250 can be supplied for an additional charge of 3 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-235



T-240

EXAMINING AND OPERATING TABLES

The Cosmopolitan table. A good table for all-round use, especially adapted to X-Ray and osteopathic work. Weathered quartered oak. Other finishes to order. Oxidized copper finish on metal parts.

Dimensions: 5 feet long in normal position (with extension 6 feet 2 inches); width, 24 inches; height, 30 inches.

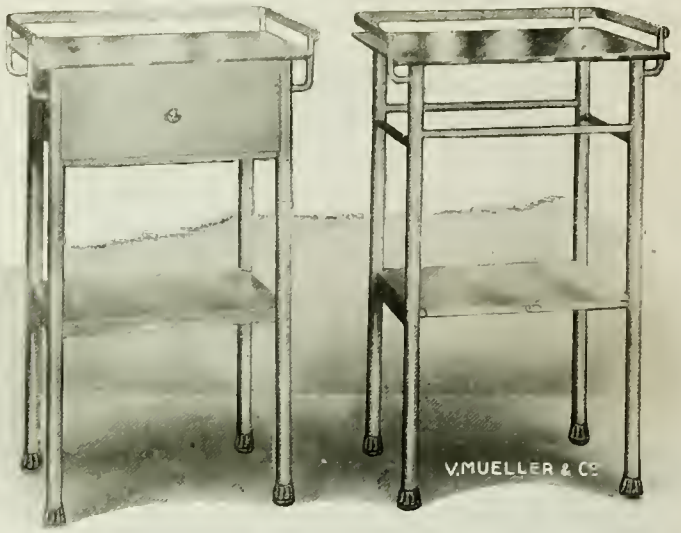
T-235 Leather upholstery and pillow.....$35 00
T-235A Imitation leather upholstery 30 00

V. MUELLER & CO.'S PHYSICIANS' OFFICE TABLE

This table is designed to meet the requirements of a plain examining table at a small cost, It is strongly constructed, nicely finished in oak. The main body is 24 inches wide, 40 inches long, and has a hinged extension at each end of the table, when raised making 72 inches the total length; a sliding table, that can be drawn out on either side, for operating on the hand, and a pair of sliding adjustable heel stirrups.

T-240 Price $12 00
Cushion, extra 5 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-255 T-250



T-260

"WHITE LINE"

OFFICE INSTRUMENT TABLES

These tables have polished plate glass tops 16x20 inches, sheet steel shelves, and nickel plated guard rail. The frames are of tubular construction, finished in white enamel, and are mounted on rubber tips or lignum vitae rollers, as selected. They are made with and without drawer, as shown.

T-250 Office table, with pollshed plate glass top 16x20 inches, sheet steel shelf, and guard rail..... $8 00

T-255 Office table, with pollshed plate glass top 16x20 inches, sheet steel shelf, drawer and guard rail..... 10 00

THE MODEL TABLE

This table has a heavy *porcelain enamelled* iron top, aseptic, 16x20 inches, that is practically indestructible, is temperature, alcohol and ether proof. Shelf is of pollshed plate glass. Frame of tubular construction, mounted on lignum vitae casters or rubber tips, as selected. An attractive table of life long durabillty. Suitable for office, ward or private room. Top 16x20 inches.

T-260 Model table..... $8 00

T-260A Model table, with guard rail..... 9 00



T-265

DRESSING AND INSTRUMENT TABLES

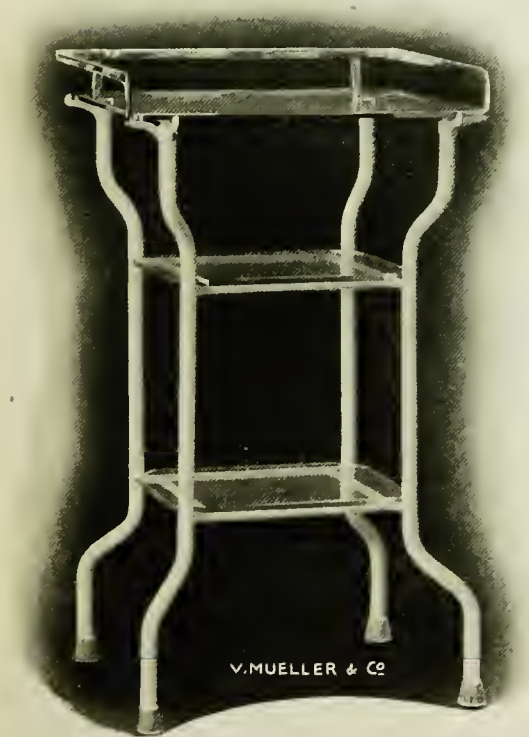
The White Line porcelain enamel aseptic instrument tables have tops and shelves which are coated with pure porcelain enamel, vitrified onto the iron at a temperature of 1600 degrees Fahrenheit. They are clean, easy to keep clean and aseptic. The surface is snow white and all corners and edges are rounded. They are temperature proof, hot or cold vessels can be placed upon them without danger of breakage. The frames are of wrought iron, tubular construction, finished in white enamel and mounted on two-inch lignum vitae wheels or rubber tips as selected.

T265 White Line instrument table, 15x19, with porcelain enamel top and shelf.....$12 00

T-265A White Line instrument table, 16x30, with porcelain enamel top and shelf 20 00

T-265B White Line instrument table, 18x32, with porcelain enamel top and shelf 25 00

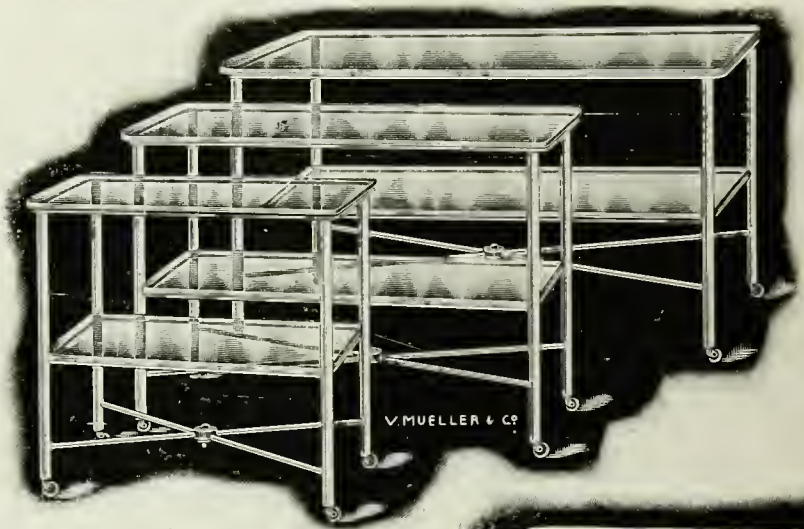
T-265C White Line instrument table, 24x36, with porcelain enamel top and shelf 31 00



T-270

V. Mueller & Co.'s office table is of a graceful and attractive design, with top and shelves of polished plate glass, guard rail is of nickel plated steel and the frame of tubular construction with curved legs; finished in white enamel, hand rubbed and baked.

T-270 V. Mueller & Co.'s physicians' office table.....$10 00



T-275



T-280

DRESSING AND INSTRUMENT TABLES

These tables are made with plate glass or milk white glass tops and shelves of heavy construction. They are well braced and supplied with casters. The glass overlaps the top of table thus preventing dust or moisture from finding lodgment in the corners. The legs are of round wrought pipe and the tables can be cleaned more easily than those of angle or half-round design.

T-275 Dressing and instrument table, 30x20 ins., with plate glass top and one plate glass shelf $15 00

T-275A Dressing and instrument table, 36x20 ins., with plate glass top and one plate glass shelf 18 00

T-275B Dressing and instrument table, 48x20 ins., with plate glass top and one plate glass shelf 25 00

T-275C Dressing and instrument table, 30x20 ins., with plate glass top and no shelf 12 00

If milk white glass top or shelf is wanted add $1 50 for each top or shelf, to the above prices.

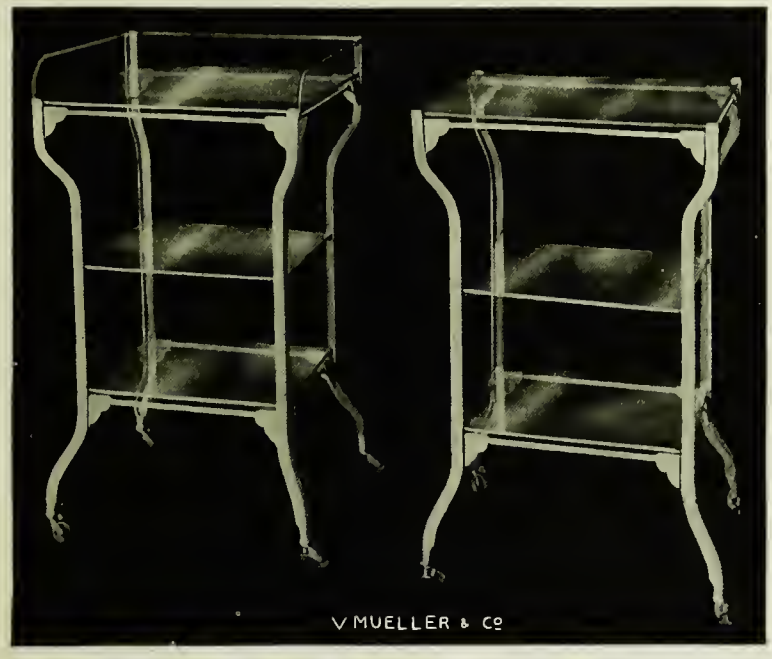
T-280 and 280B Dressing and instrument table with porcelain enameled top and porcelain enameled shelf. The top has a wide apron around the sides and mounted on specially well built stands of tubular construction.

T-280 30x18 inches $21 00

T-280A 36x24 inches 27 50

T-280B 20x16 inches 12 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-285 T-290

DRESSING AND INSTRUMENT TABLES

T-285 V. Mueller & Co.'s dressing and instrument table. Frame is made of best quality angle steel firmly braced and perfectly rigid. The top shelf is 16x20 inches, the lower shelves 12x16 inches, with nickel plated rail around top and mounted on casters..... $8 00

T-290 V. Mueller & Co.'s dressing and instrument table is the same in every detail as described under No. T-285, with the exception that it has no nickel plated rail around the top..... 7 00



T-295

HAND AND ARM OFFICE OPERATING TABLE

T-295 Is designed to supply a long felt want. The different attachments are so arranged that, when washing the affected parts with aseptic solution, none of the drainage can fall on the floor.

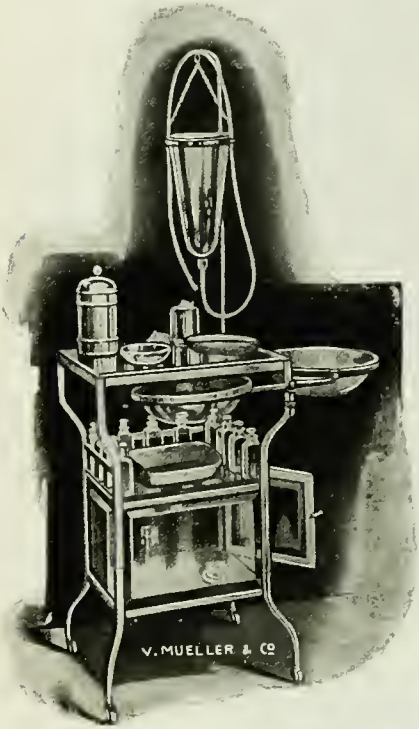
The tray racks are attached by means of a hinge-joint, so that, when not in use, they may be swung under the top plate, or detached entirely, leaving a neat office table.

The solution bowl and sterilizing tray can be turned out at the end or side of the table, making it equally convenient to work from either side without changing the position of the patient.

The table is strongly constructed of malleable angle iron and is handsomely finished in white enamel, each coat of which is thoroughly baked. It is mounted on heavy rubber tired wheels, which adds to the weight, and altogether makes a very solid and firm table. The top and shelves are of ⅜-inch polished plate glass, and all rest on rubber. The table top is 16x20 inches; the shelves are 18x22 inches, and it stands 31 inches high.

Price complete as shown.....$23 00
With double irrigators..... 25 00
Without Irrigators 20 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-300



T-305

INSTRUMENT STANDS, DRESSING CASES, ETC.

T-300 The Cook combination office treatment stand, combining a cabinet for instruments, and two glass shelves. It has a swing-out immersion bowl, and a 1-gallon glass irrigator with cut-off, tubing and nozzle; size, height 33 inches, top 16x20 inches. All the iron work is best white enamel baked on finish. Price, with heavy plate glass having beveled edges in the cabinet; with percolator tubing and basin, no bottles..... $20 00

T-300A Same as above, with plain window glass, and the top plate glass unground. Price 14 50

T-305 Aseptic dressing case, constructed of wrought iron, white enameled; case is divided in center by a glass partition, making two separate compartments, each 12x16 inches, and 16 inches high; total height, 26 inches. Top is of steel, white enameled, 16x24 inches. Price.... 40 00



T-305A



T-305B

T-305A Card index file of sheet metal, this is more durable and less expensive than wooden files for this purpose. For cards 3x5 with two drawers, 5x12¼x13¾ inches, weight 15 lbs., each..... $3 25

T-305B For cards 3x5 with four drawers, 9½x12¼x13¾ inches, weight 25 lbs, each..... 5 25

Standard finish, olive green, gold striped.

Finished in imitation oak or mahogany, extra for T-305A, $1 00; for T-305B..... 1 25

Individual locks, extra per drawer..... 75

Prices of other sizes upon application.

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-310



T-315



T-320

FOOT STOOLS AND WASTE RECEPTACLES

Foot stool and waste receptacle with top of corrugated rubber, hinged at the side and when raised discioses a removahle white porcelained steel waste receptacle, which is not affected by acids. The stool is finished to match your other office furniture.

T-310 10 inches wide, 14 inches long, 9 inches high, quartered oak, cherry or walnut..... $6 00
T-310A Genuine mahogany 7 00

Justrite sanitary receptacle, is made of heavy 26 gauge galvanized steel, double seamed and soldered, and is absolutely tight or rust proof. Aluminum bronze finish, 3-gallon, seamless $1 50
T-315 6-gallon, seamed 1 50
T-315A 8-gallon, seamed 1 75
T-315B 10-gallon, seamed 2 00

Three coat baked enamel white exterior and luterior, 3-gallon $3 00; 6-gallon, $3 50; 8-gallon, $3 75; 10-gallon $4 00

White Line waste receptacle, is a porcelain enameled bucket 12x11 ins., fitted into a tubular constructed stand, mounted on rollers and finished in white enamel. The cover of the bucket is close fitting made of copper nickel plated. Equipped with foot lift attachment for opening and closing cover automatically.

Bucket is supplied with perforated drain tray, cotton dressings and solids are caught by tray and can be lifted out without soiling the hands.

T-320 Price $9 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-325



T-330

INSTRUMENTS CABINETS

V. Mueller & Co.'s instrument cabinet, No. 1, made from selected quarter-sawed oak, golden oak finish. Door cushioned to exclude dust and moisture, interior finished in white enamel. It has 3 glass shelves. Height 67 inches, width 28 inches, depth 14 inches. With plain glass throughout.

T-325 ..... $25 00
T-325A With plate glass shelves 28 00
T-325B With beveled plate front and plate glass shelves 32 00

V. Mueller & Co.'s instrument cabinet No. 2 is so constructed that the door of the upper compartment is fitted to close against a felt strip making it absolutely dust proof.

It is fitted with four shelves held in place with a new copper bracket, a device that no other cabinet has.

The upper compartment is 34 inches high, 16 inches deep and 24 inches wide, with 4 glass shelves 14x22 inches so spaced that the instruments may be easily seen. The compartment is white enameled inside.

The lower part is 22 inches high, with two compartments each fitted with a Florentine glass door, mounted on our new steel slide, which carries the door up and back making each compartment easily accessible without disturbing the contents.

The cabinet is 63 inches high, 16 inches deep and 24 inches wide. Finished in quartered golden oak, early English or weathered oak.

T-330 Price, plain glass double strength $25 00
T-330A Price, with plate glass shelves 30 00
T-330B Price, with plate glass shelves, beveled door and sides 35 00

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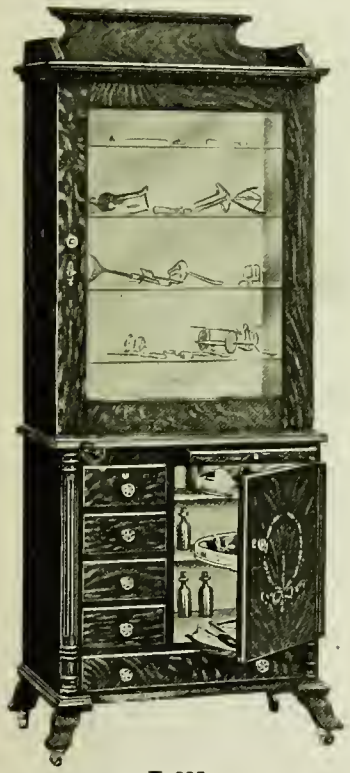


T-335



T-345



T-340

INSTRUMENT AND MEDICINE CABINETS

All three of these cabinets are constructed of oak beautifully finished in Old English or weathered. Special finishes may be had to order but require more time to deliver.

T-335 A very popular medium sized cabinet. Glass shelves. All interiors in hard white enamel. Two glass trays fitted to door of lower cabinet. Cushioned door to keep instruments free from dust and moisture. Height 66 inches, width 28 inches, depth 15 inches.

T-340 The best inexpensive instrument cabinet ever offered. Interiors finished in hard white enamel. Cushioned doors, adjustable glass shelves, drawers for cotton bandages, dressings, etc. Height, 69 inches; width, 30 inches; depth, 11 inches; depth of base, 13¾ inches.

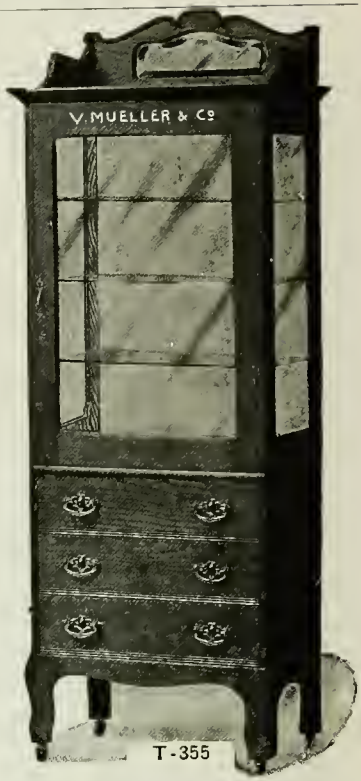
T-345 Neat in design and conveniently arranged for handling a stock of medicines. Swinging racks with spring fenders, hold various sized bottles while wood shelves in the rear accommodate large bottles and jars. Capacity 200 bottles of assorted sizes. Height, 69 inches; width, 30 inches; depth, 11 inches; depth of base, 13¾ inches.

T-335 BC-D. S. glass door, 4 plate shelves, edges cut clean.... $45 00
T-340 BC-D. S. glass door, 5 plate shelves, edges cut clean.... 35 00
T-345 BC-D. S. glass door..... 35 00
Plain plate glass doors instead of D. S. T-335, extra..... 5 00
Plain plate glass doors instead of D. S. T-340-345, extra..... 10 00
Finished in white enamel $5 00 extra.

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-350



T-355

INSTRUMENT CABINETS

V. Mueller & Co.'s new instrument cabinet No. 3, made of oak, finished in golden oak or white enamel; height, 60 inches; width, 26 inches; depth, 14 inches.

T-350 Plain glass throughout.....$23 50
T-350A Plate glass shelves..... 27 50
T-350B Plate glass shelves and beveled plate glass front..... 30 00

V. Mueller & Co.'s instrument cabinet No. 4, made of oak, golden oak finish, door cushioned, inside white enameled, plain glass throughout, 68 inches high, 15 inches deep, 26 inches wide.

T-355 With mirror on top..... 20 00
T-355A Without mirror 18 00
T-355B With plate glass sheives and mirror on top..... 23 50



T-360

ASEPTIC INSTRUMENT CABINET

This cabinet is made of heavy gauge sheet metal, and is of a very handsome design and finish. The door and shelves are of glass and the shelves are adjustabie. Dust proof door with lock and key.

Dimensions: 25 inches wide, 15 inches deep, and 65 inches high.

T-360 With double strength glass door and shelves, price.....$35 00
T-360A With double strength glass door, and plate glass shelves, price 45 00
T-360B Beveled plate glass door and plate glass shelves, price..... 50 00



T-365

"THE PRINCESS" INSTRUMENT CABINET

This cabinet is made with and without drawers, has a snow-white porcelain enameled aseptic iron top; sides, back and drawers of sheet steel. Doors are swung on concealed hinges. Doors and drawers furnished with locks and keys. Shelves are of polished plate glass. Finished in pure white enamel, hand rubbed and baked.

T-365 Princess cabinet, without drawers, height over all 50 inches, cabinet proper 27 inches high, 30 inches wide, 16 inches deep.....$47 50

T-365A Princess cabinet, with drawers, height over all 61 inches, cabinet proper 27 inches high, 30 inches wide, 16 inches deep, drawers, 6 inches high, 8 inches wide and 14 inches deep..... 55 00

WALL STANDS

Stands are of rigid construction, wrought iron tubing and cold rolled steel, reinforced at base with forged cross. The finish is white enamel, hand rubbed and baked. The two upper shelves are 12x42; the two lower shelves 18x42.

T-370 Wall stand, shelves of polished plate glass.....$38 00

T-370A Wall stand, shelves of rough plate glass..... 36 00

T-370B Wall stand, with shelves of snow white porcelain enamel, size of upper shelves, 8x36 inches; lower shelves, 12x36 inches..... 50 00



T-370

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-375

T-375 INSTRUMENT CABINET

White enamel interior, adjustable glass shelves, doors supplied with stringers bearing hooks for smaller instruments. Cushioned doors secured with lock.

Dimensions: 30x36x10½ inches.

T-380 MEDICINE CABINET

Has adjustable shelves in the rear for large bottles, a pair of double swinging racks, the shelves supplied with spring fenders, also shelves with spring fenders, for small vials, on the doors. Will hold two gross of bottles, assorted sizes, every one within easy reach.

Dimensions: 30x26x10½ inches.



T-380

T-375 Double strength glass throughout.....$20 00
T-375A Double strength glass doors, four plate shelves 25 00
T-375B Plain plate glass doors and shelves.. 28 00
T-375C Beveled plate glass doors, plate shelves 32 00
T-375D Beveled plate mirrors in doors, plate shelves 35 00
T-380 Double strength glass doors..... 25 00
T-380A Plain plate glass doors..... 28 00
T-380B Beveled plate glass in doors..... 32 00
T-380C Beveled plate mirrors in doors..... 35 00

Front edges of shelves are ground and polished.

A combination cabinet, including styles T-375 and T-380, with partition, arranged for medicines on one side, and instruments on the other, $5 00 more than style T-380.

Plain mirror in back, $15 00 extra, or if made in two sections, $12 50 extra. Finished entirely in white enamel, extra..... $5 00



T-385

WALL INSTRUMENT AND MEDICINE CABINETS

V. Mueller & Co.'s wall instrument cabinet, 24 inches wide, 34 inches high, 9 inches deep. Made of oak, white enameled on the inside and the outside can be furnished in golden oak, weathered oak or white enamel. Fitted with 5 plate glass shelves.

T-385 Price $20 00

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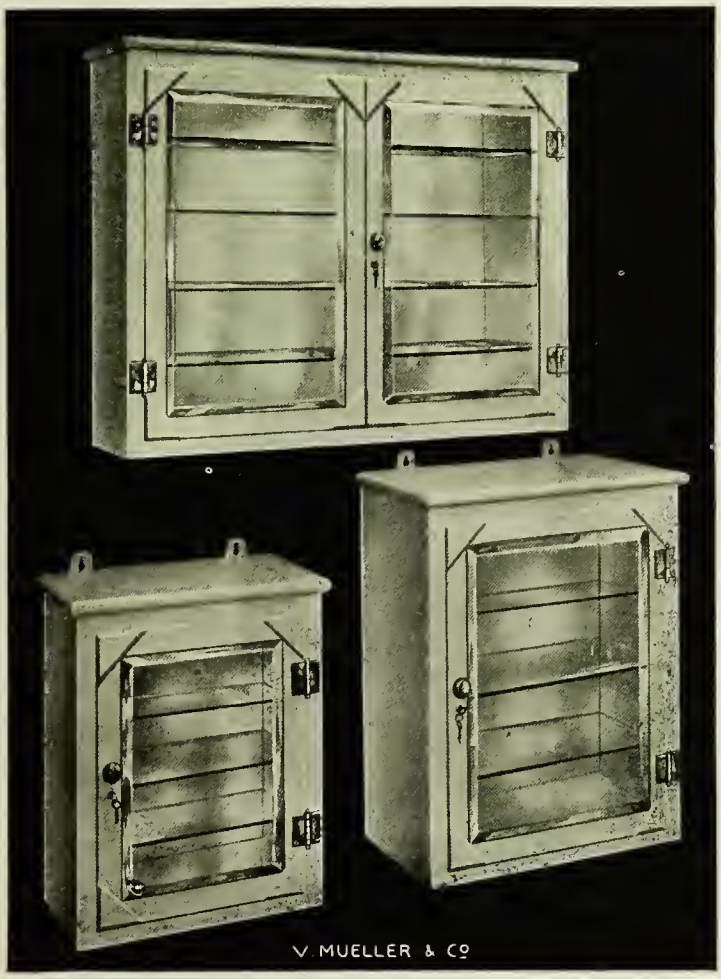


T-395 T-390 T-400

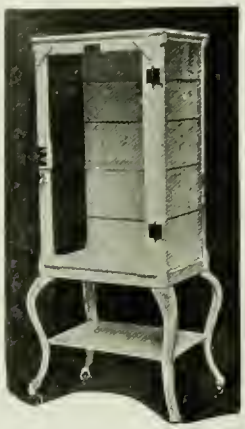
ASEPTIC WALL CABINETS

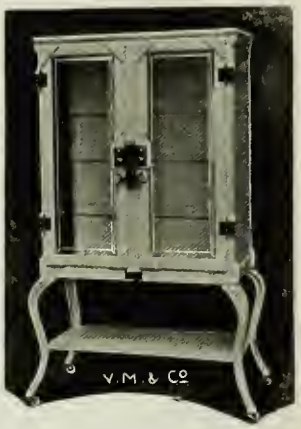
Cabinets for medicine rooms, wards, physicians' offices or bath rooms. Made of metal, white baked enameled finish, with beveled plate glass in door and plate glass shelves.

T390 Double door hanging cabinet with 4 plate glass shelves. Size 36 inches wide, 30 inches high and 8 inches deep..... $50 00

T-395 Single door hanging cabinet with 3 plate glass shelves. Size 16 inches wide, 20 inches high and 8 inches deep..... 25 00

T-400 Single door, hanging cabinet, with 3 plate glass shelves. Size 20 inches wide, 26 inches high and 10 inches deep..... 30 00









ASEPTIC INSTRUMENT CABINETS

Made entirely of metal and beveled polished plate glass. Absolutely dust and damp proof. Adjustable plate glass shelves with polished edges. Handsome baked enamel finish. Enameled in white or wood colors. Made in a variety of styles and sizes.

T-405 Dimensions, 65 inches high, 25 inches wide, 18 inches deep.....$75 00
T-410 Dimensions, 70 inches high, 25 inches wide, 18 inches deep.....100 00
T-415 Dimensions, 60 inches high, 25 inches wide, 18 inches deep..... 90 00
T-420 Dimensions, 65 inches high, 36 inches wide, 18 inches deep.....125 00

We can furnish any of the above cabinets with double strength glass in the door and sides, and with plate glass shelves at $10 00 less.



T-425 T-430

ASEPTIC CABINETS

Instrument and dressing cabinets, containing the popular style of case, and also drawers into which rubber goods and such items can be placed, which ordinarily would tarnish steel goods if placed in the regular case. They also have a cabinet underneath for towels, dressings or such items which do not make a good appearance among the instruments in a cabinet. These cabinets are acknowledged as the most practical for an operating room or a physician's office. The single cabinet is supplied with a Yale lock and catch for opening and closing the same, and the double cabinet has the Paquil lock, which securely locks the same on the top and on the bottom. It is also supplied with a Yale lock, knob and key. The dimensions of the single cabinet are: 67 inches high, 24 inches wide and 16 inches deep. This single cabinet is made in three styles of glass.

T-425 Single cabinet with sides and front of beveled French polished plate glass..... $100 00
T-425A Single cabinet with sides and front of crystal glass..... 85 00
T-425B Single cabinet with sides and front of double strength glass..... 75 00
T-430 Double cabinet. The dimensions of this, as shown to the right of the photograph, are 67 inches high, 36 inches wide and 16 inches deep. The sides and front are of beveled French polished plate glass, and it has four heavy polished French glass shelves 135 00

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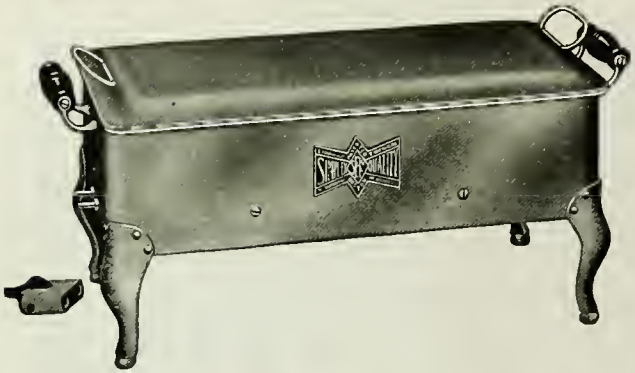
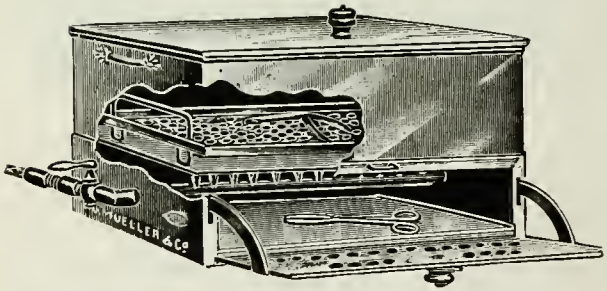


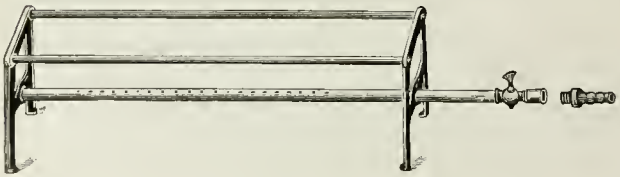
T-435



T-440



T-445



T-450

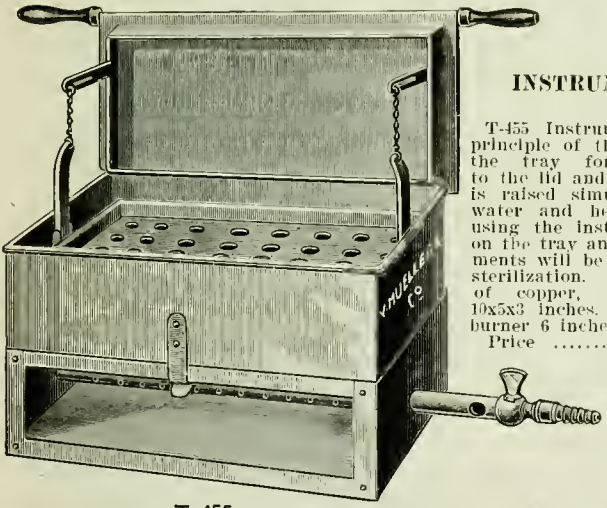
INSTRUMENT STERILIZERS AND STANDS

T-435 Electrical sterilizer, V. Mueller & Co.'s "Simplex." This sterilizer has been on the market for several years and is one of the few thoroughly reliable and successful electric sterilizers. The construction is such that there is no possibility of accidental shock due to any exposed metal parts. The heating unit covers the entire bottom and by a very ingenious method the accidental burning out of the unit due to oversight in keeping water in the sterilizer, is overcome by means of a fusible metal safety fuse. Made in two sizes. Will operate on 110 volt direct or alternating current.
10x4½x2 inches.$15 00
13x6½x2½ in... 18 00

T-440 Electric sterilizer, "Victor" Made of polished copper. Two heating units in cylindrical form furnish the right amount of heating for sterilizing. The water is circulated around the cylinder, thus giving a great deal of heating surface. Made for two heats, will operate on 110 volt direct or alternating current. Size 10x4½x4½. 20 00

T-445 Instrument sterilizer, Pynchon's, with gas heating attachment. This is arranged with an oven beneath to dry the instruments after sterilizing. Outside dimensions 9¼x6½x6½. Made of copper nickel plated, but can also be furnished in oxidized copper finish...$13 00

T-450 Sterilizer stand of iron, black finish, with burner and stopcock of brass. 4 inches high, 6 inches wide, made in three sizes, 8½ ins., $2 00; 12 ins., $2 25; 15 ins..... $2 50



T-455

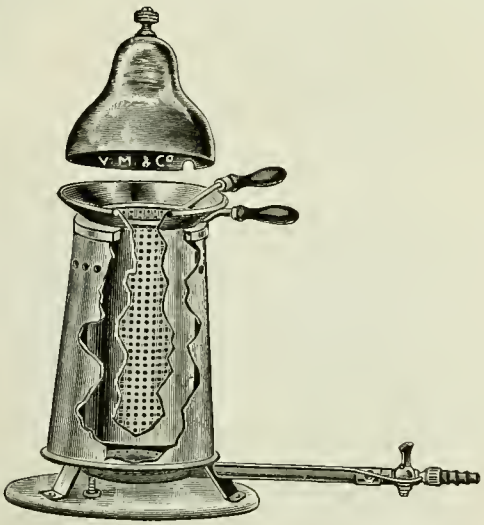
INSTRUMENT STERILIZERS

T-455 Instrument sterilizer, Lewis'. The principle of this sterilizer is entirely new, the tray for instruments is attached to the lid and by lifting the same the tray is raised simultaneously clear of the hot water and held in this position. After using the instruments they can be placed on the tray and when closing the lid instruments will be immersed into the water for sterilization. Sterilizer is made entirely of copper, nickel plated. Dimensions 10x5x3 inches. Height including base with burner 6 inches.

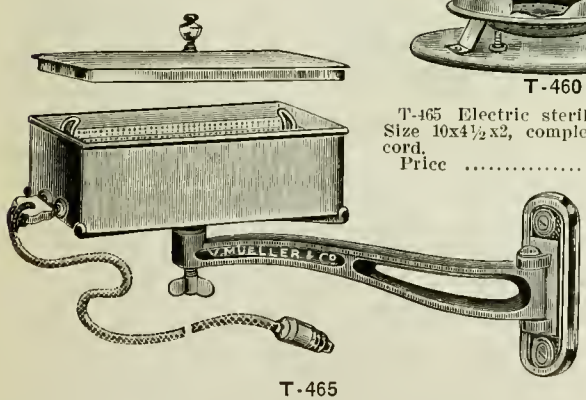
Price $14 50

T-460 Instrument sterilizer, Gradle's, with perforated cup which sets into the boiler for boiling the instruments. The perforated cup is 3 inches in diameter and 5 inches deep. Both the boiler and the perforated cup are provided with wooden handles. The cover is 3½ inches deep which allows the sterilizing of instruments 9 inches long. A circular Bunsen burner is provided by which means a most intense heat is produced; a small pilot light is attached to the burner which may be kept burning continually if desired, it being unnecessary to light the burner every time the sterilizer is to be used. Extreme height 14 inches, diameter of base 8¼ inches.

Price $13 00



T-460



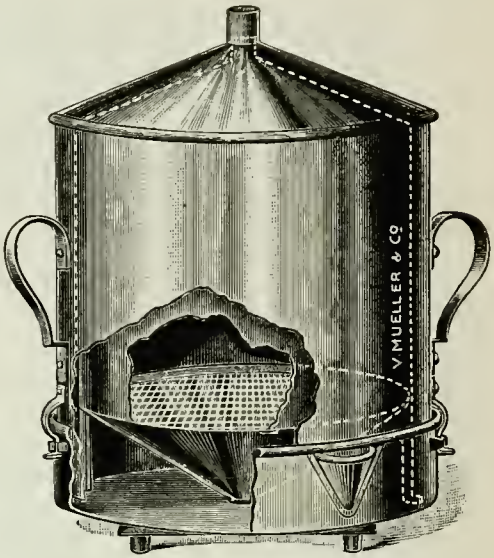
T-465

T-465 Electric sterilizer on bracket, same as T-435. Size 10x4½x2, complete with bracket and connecting cord.

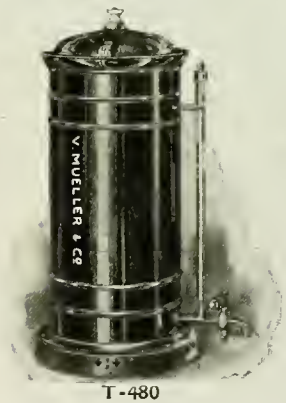
Price $16 50



T-475



T-470



T-480



T-485



T-490

AUTOCLAV AND STERILIZERS

T-470 Hospital dressing sterillzer, Boeckmann's. The inner sterilizing chamber is 15 inches in diameter by 13 inches high and is provided with an extra cover to protect the contents from the dripping water formed by the condensation of steam upon the underside of the cone or cover, of the outer hood. The sterilizer ls of a size sufficient to sterilize enough articles for several major operations. Products may be dry steam sterilized in this apparatus by simply removing the cork from the top of the outer hood and continuing the heat for 10 minutes. Made of heavy copper, pollshed..... $27 50

T-475 Autoclav or digester, Boekel's. This apparatus is for sterilization under steam pressure. It is tested and guaranteed to stand a pressure of 35 lbs. to the square inch and is provided with a pressure gauge, thermometer and safety valve. Inside dimensions are 24 inches deep and 11 inches in diameter. Entire height including sheet iron base ls 40 inches. Complete with burner..... 55 00

T-480 Water sterilizer, White Line, made of copper nickel plated 3-gallon, $10 00; 5-gallon 15 00

T-485 Water sterillzer, V. Mueller & Co.'s, made of heavy copper and nlckel plated, supplied with special hot water faucet and protected water gauge, 5-gallon, $11 50; 10-gallon 15 00

T-490 Arnold milk pasteurlzer, to pasteurize milk in the home. Complete with seven 8-oz. hottles, $3 00; with 10 bottles, $4 00; with 14 hottles..... 5 00

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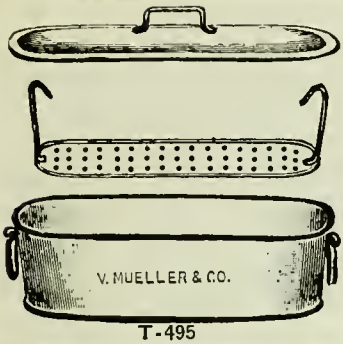
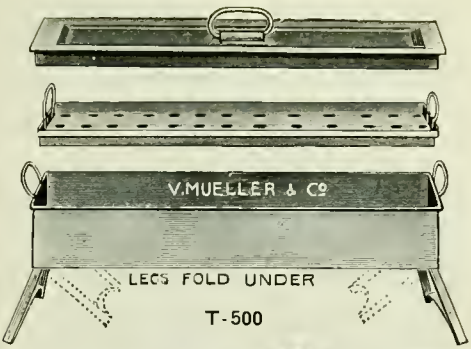
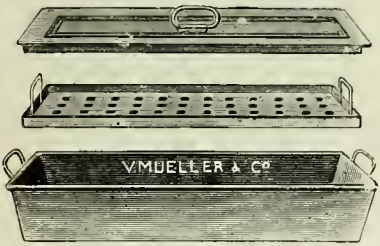


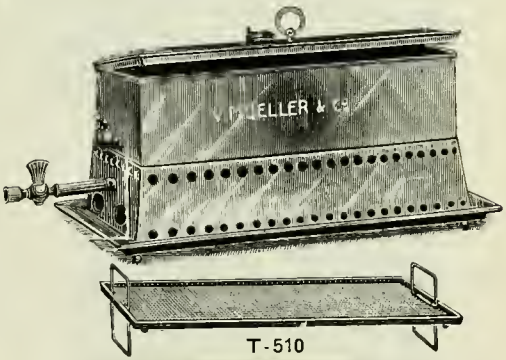
T-495



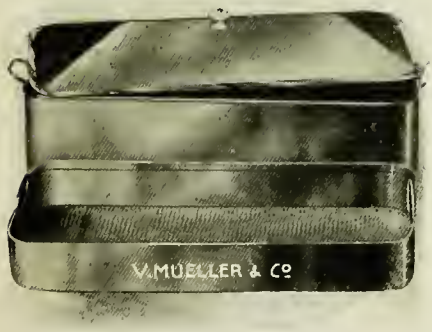
T-500



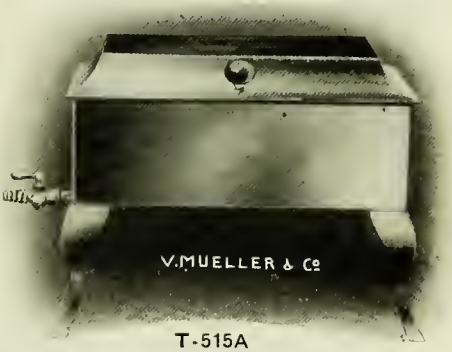
T-505



T-510



T-515



T-515A

INSTRUMENT STERILIZERS

T-495 Instrument sterilizer made of white steel porcelain with perforated tray for holding contents, 16 ins. long, $3 00; 18 ins. $3 75

T-500 Instrument sterilizer, with folding legs, made of polished copper, 16x3x3, $4 50; 16x5½x3 ..... 5 25

T-500A Instrument sterilizer, same as described under T-500 except that it has no folding legs, 16x3x3, $3 50; 16x5½x3. ..... 4 75

T-505 Instrument sterilizer, made of polished copper with perforated tray for holding contents, 9x5x1½, $3 00; 13x6x2¼, $3 75; 16x6½x3. ..... 4 50

T-510 Instrument sterilizer, "The Franklin," with gas stand attachment, made of copper highly polished and nickel plated. Small 12x5x3, $15 00; medium, 15x6x4½, $18 75; large, 18x9x6. ..... 29 50

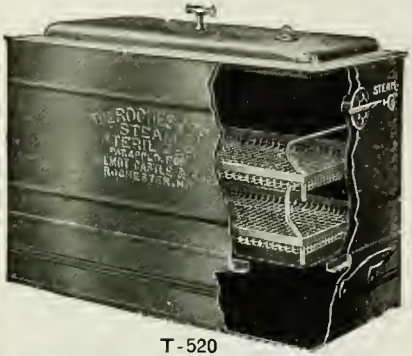
T-515 Instrument sterilizer, made of heavy copper, polished and nickel plated, with perforated nickel plated tray for holding contents. 17½x7½x4 ..... 10 00

T-515A Instrument sterilizer, especially designed for the eye, ear, nose and throat specialist, made of heavy copper and perforated metal tray for holding contents, is highly polished and nickel plated and mounted on four brass nickel plated legs. Equipped with gas burner with stopcock, 12x6x4. ..... 15 00
Equipped with electric heating attachment. 22 50

Do not mutilate catalogue.—Specify section letter and number in ordering.

ROCHESTER COMBINATION STEAM STERILIZERS
STEAM, HOT AIR, BOILING WATER

These sterilizers are efficient because the most effective known sterilizing agent, circulating steam, passes through the sterilizing chamber in such a way as to thoroughly penetrate all parts of the dressings.



T-520



T-525

The steam being shut out of the chamber by a control valve, passes between the double walls, heating the air in the chamber to about 212° F. The air in turn heats the dressings so there is no danger of condensation when the steam is admitted. After the steam has circulated through the dressings for a sufficient time, it is shut out of the chamber, and the dressings are allowed to remain until completely dried by the heated air which enters the chamber after the steam is turned off.

The base can be used for sterilizing instruments in a one per cent. soda solution.

Complete instructions accompany each sterilizer.

Heavy tin, copper bottom.

T-520 No. 104, 14 inches long, 6 inches wide, 6 inches deep..... $6 00
T-520A No. 106, 16 inches long, 6¾ inches wide, 7 inches deep..... 7 00
T-520B No. 108, 18 inches long, 7½ inches wide, 8 inches deep..... 8 00

Polished copper, tin lined.

T-520C No. 107, 7½ inches long, 3½ inches wide, 3 inches deep..... $7 00
T-520D No. 110, 10 inches long, 4¼ inches wide, 4¼ inches deep..... 9 00
T-520E No. 114, 14 inches long, 6 inches wide, 6 inches deep..... 15 00
T-520F No. 116, 16 inches long, 6¾ inches wide, 7 inches deep..... 17 50
T 520G No. 118, 18 inches long, 7½ inches wide, 8 inches deep..... 20 00
T-520H No. 122, 22 inches long, 10 inches wide, 10 inches deep..... 40 00

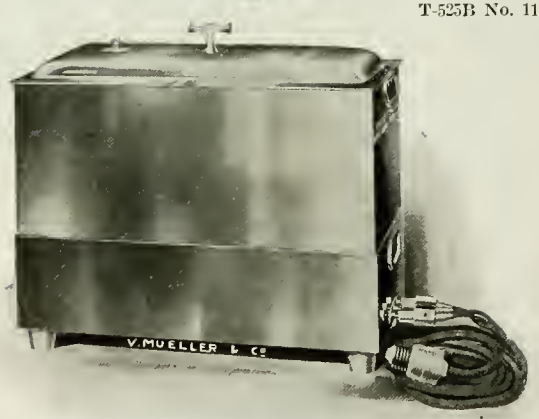
Nickel plating $1 00, $1 25, $1 50, $2 00, $2 50 and $5 00 extra according to size.

ROCHESTER COMBINATION STERILIZERS, WITH DEEP BASE

The upper part of these sterilizers is the same as above, but the deep base affords a receptacle for sterilizing water at the same time.

A gauge and faucet is provided.

T-525 No. 114½ $18 50
T-525A No. 116½ 21 25
T-525B No. 118½ 24 00



T-530

ELECTRICALLY HEATED ROCHESTER STERILIZER

The electric method of heating is acknowledged by all authorities to possess decided advantages over every other method and where electricity is available it should by all means have the preference.

T-530 No. 107¾..... $18 00
T-530A No. 110¾..... 22 00
T-530B No. 114¾..... 30 00
T-530C No. 116¾..... 35 00
T-530D No. 118¾..... 40 00
T-530E No. 122¾..... 65 00

The sizes of electrically heated sterilizers are the same as numbers 107 to 122 listed above.



T-535

ROCHESTER THREE-PIECE STERILIZING OUTFIT

PHYSICIANS' SIZE

T-535 Polished copper sterilizers.....$45 00
T-535A Nickel plated sterilizers..... 50 00
White enameled stand with Bunsen gas burner under each sterilizer.
Instrument sterilizer 17x8x6 in.
Dressing sterilizer 16x6¾x7 in.
Water sterilizer, 3 gallons, with gauge and faucet.

HOSPITAL SIZE

T 535B Polished copper sterilizers.....$90 00
T-535C Nickel plated sterilizers.....100 00
White enameled stand with Bunsen gas burner under each sterilizer.
T-535 With gasoline burners, $100 00; T-535A..$110 00
T-535 With alcohol burners, $102 50; T-535A.. 112 50
Instrument sterilizer 24x12x7 in.
Dressing sterilizer 22x10x10 in.
Water sterilizer, 5 gallons, with gauge and faucet.

ROCHESTER TWO-PIECE STERILIZING OUTFIT

PHYSICIANS' SIZE

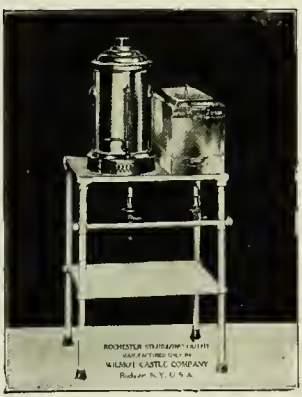
T-540 Polished copper sterilizer.....$35 00
T-540A Nickel plated sterilizers..... 38 50
White enameled stand with Bunsen gas burner under each sterilizer.
T-540 With gasoline burners, $39 00; T-540A.....$42 50
T-540 With alcohol burners, $40 00; T-540A..... 43 50

HOSPITAL SIZE

T-540B Polished copper sterilizers..... 65 00
T-540C Nickel plated sterilizers..... 72 00
White enameled stand with Bunsen gas burner under each sterilizer.
T-540B With gasoline burners, T-540C.....$71 00
T-540B With alcohol burners, T-540C..... 72 50

SPECIALISTS' SIZE

Inside dimensions: Instrument sterilizer 11x5½x3½ ins., dressing sterilizer 10x4½x4½ ins.
T-540D Specialists' outfit, same in appearance as T-540, price with polished copper sterilizers.....$30 00
T-540E Specialists' outfit, with nickel plated sterilizers 35 00



T-540



T-545

ROCHESTER COMBINATION STERILIZERS

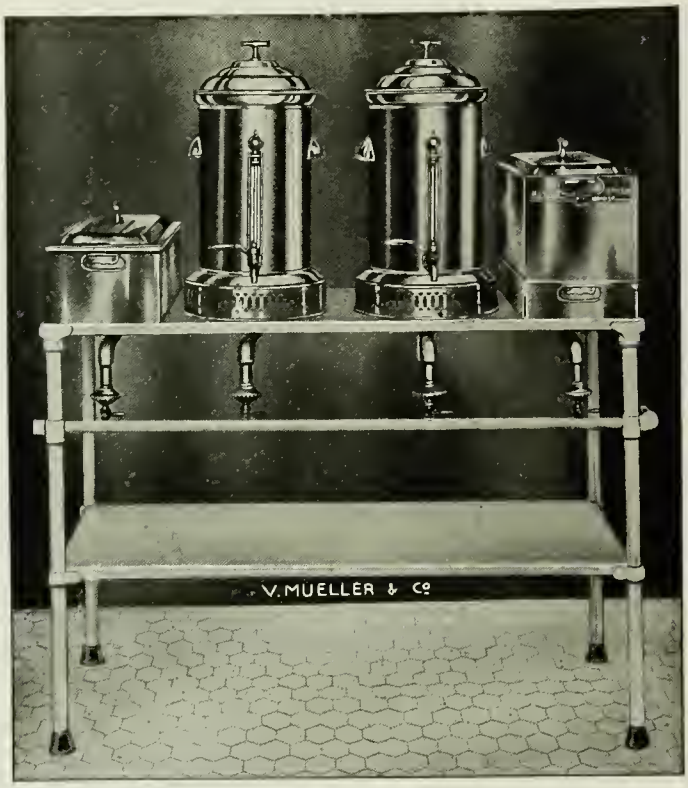
Steam, boiling water, hot air, all in one apparatus.

PHYSICIANS' SIZE

T-545 Polished copper, (without stand).....$21 25
T-545A Nickel plated (without stand)..... 23 25
Dimensions: 18x7¼x8 inches.

HOSPITAL SIZE

T-545B Polished copper, (without stand).....$40 00
T-545C Nickel plated, (without stand)..... 45 00
White enameled stand with Bunsen gas burner for either size.....$10 00
Dimensions: 22x10x10 inches.



T-550

ROCHESTER FOUR-PIECE STERILIZING OUTFITS

Instrument sterilizer, two water sterilizers and dressing sterilizer.
White enameled stand with gas burners.
The completeness and effectiveness of these sterilizing outfits coupled with their simplicity, have given them a world-wide reputation among physicians, hospitals and sanitariums.

HOSPITAL SIZE

T-550 Polished copper sterilizer, with gas burners, $110 00; with electric heaters.....$210 00
T-550A Nickel plated sterilizers, with gas burners, $122 00; with electric heaters..... 225 00
Inside dimensions: Instrument sterilizers 24x12x7 inches; dressing sterilizer, 22x10x10 inches.
Water sterilizer, 5 gallons, floor space 54x25½ inches.
T-550 With gasoline burners, $122 00; T-550A.....$134 00
T-550 With alcohol burners, $125 00; T-550A..... 137 00

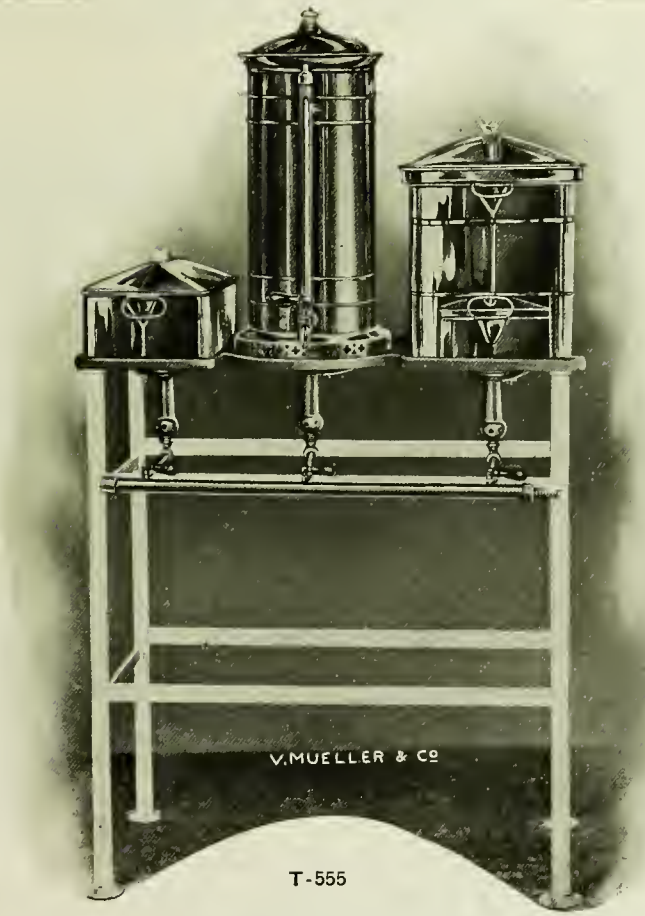
PHYSICIANS' SIZE

T-550B Polished copper sterilizer, with gas burners, $60 00; with electric heaters.....$120 00
T-550C Nickel plated sterilizer, with gas burners, $66 50; with electric heaters..... 128 00
Inside dimensions: Instrument sterilizer, 17x8x6 ins.; dressing sterilizer, 16x6¾x7 ins.
Water sterilizer, 3 gallons, floor space 41x18 inches.
T-550B With gasoline burners, $68 00; T-550C.....$74 50
T-550B With alcohol burners, $70 00; T-550C..... 76 50

SPECIALISTS' SIZE

T-550D Polished copper sterilizer, with gas burners, $40 00; with electric heaters.....$84 00
T-550E Nickel plated sterilizers, with gas burners, $45 00; with electric heaters..... 89 00
Inside dimensions: Instrument sterilizer, 11x5½x3½ ins., dressing sterilizer, 10x4½x4½ ins.
Water sterilizer, 2 gallons, floor space 36x12½ ins.
T-550D With gasoline burners, $48 00; T-550E.....$53 00
T-550D With alcohol burners, $50 00; T-550E..... 55 00
Prices with primus kerosene stoves, acetylene burners, or steam connections on application.

Do not mutilate catalogue.—Specify section letter and number in ordering.

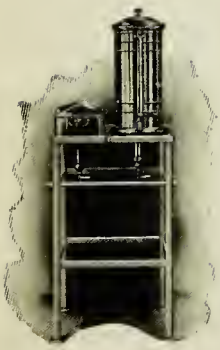


T-555

"WHITE LINE" OFFICE STERILIZING OUTFITS

A complete plant for the perfect surgical sterilization of dressings, water, and instruments; suitable for the surgeon's office. It includes dressing sterilizer (Wisconsin pattern) with sterilizing chamber 17½x9x7½ inches, with tray for dressings; water sterlizer, capacity three gallons, with lever handle, draw-off faucet and protected water gauge; and an instrument sterilizer 17½x7½x4 inches, with perforated metal tray for handling the contents. The sterilizers are made of heavy copper, nickel plated, with all corners rounded. They are mounted on wrought iron tubular stands with heavy reinforced cast top, finished in white enamel and bronze, and fitted with our improved blue flame gas, gasoline, or denatured alcohol burners.

T-555 "The Wisconsin" with gas burners.....$50 00
T-555A "The Wisconsin" with gasoline burners..... 55 00
T-555B "The Wisconsin" with denatured alcohol burners..... 57 50



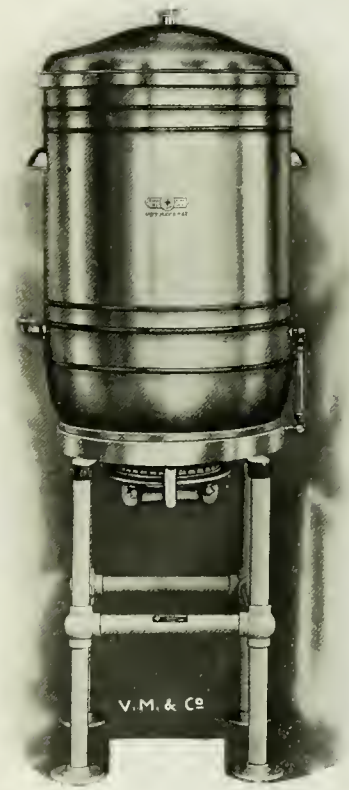
T-560

"THE MONONA"

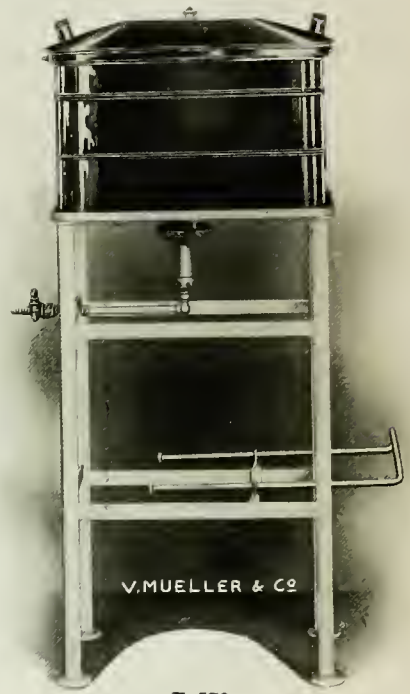
Physicians using prepared surgical dressings will find this outfit just what they require, it including the water and instrument sterilizers only, of the same capacity and size used on the "Wiscousin" outfit described above.

T-560 "The Monona" with gas burner.....$35 00
T-560A "The Monona" with gasoline burners..... 37 50
T-560B "The Monona" with denatured alcohol burners..... 38 50
T-560C "The Monona" with instrument sterilizer and two water sterilizers for hot and cold sterile water, gas heated.... 50 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-565



T-570

"THE SCANLAN" DRESSING STERILIZERS

One of the best sterilizers on the market to-day for the perfect surgical sterilization of dressings, etc., by the Boeckman and Schimmelbusch methods of sterilizing with steaming, overhead, down draft, circulating live steam at a temperature of 212 degrees F. The construction of the apparatus insures the most complete penetration of the dressings during the period of sterilization and the rapid drying of the dressings after sterilization has been completed.

They are made in two sizes of heavy copper, with removable inner chamber for cleaning purposes, equipped with steam draft, water gauge, filler nozzle and stop cock, for emptying boiler. The outer body, cover, fittings, etc., are polished and nickel plated. Sterilizers are mounted on stands of wrought iron, tubular construction, finished in white enamel, furnished with improved gas, gasoline, or denatured alcohol burners.

T-565 Scanlan dressing sterilizer, size of sterilizer chamber 14 inches diameter by 16 inches high, on stand with burner.....$65 00
T-565A Without stand and burner..... 45 00
T-565B Scanlan dressing sterilizer, size of sterilizing chamber 18 inches diameter by 22 inches high, on stand with burner..... 95 00
T-565G Without stand and burner..... 75 00

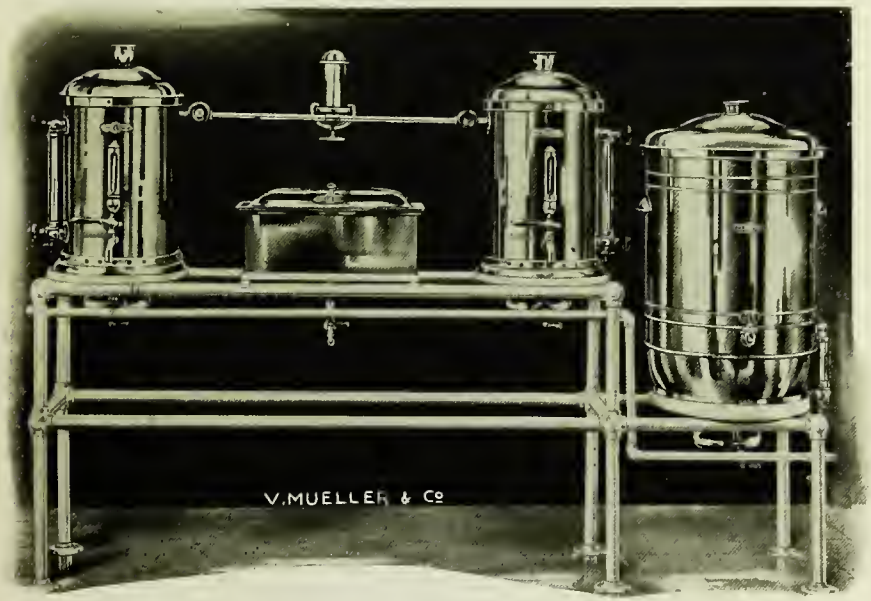
NOTE.—Sterilizers can be equipped with steam coils at an added expense of $15 00.

"THE SCANLAN" PORTABLE STERILIZER

This sterilizer will give perfect surgical sterilization, and can be used for office or portable work. It works on the same general principle as our Scanlan dressing sterilizer. It is made of heavy copper, tinned on the inside, polished and nickel plated outside; has dressing chamber 17x9x7 inches, with tray, and a boiler with tray and cover (which can be detached and used as an instrument sterilizer) 16½x7½x3½ inches. It is mounted on a wrought iron stand of tubular construction, finished in white enamel, with slide for holding dressing chamber, and furnished with improved gas, gasoline, or denatured alcohol burner.

T-570 Scanlan portable sterilizer, on stand, complete, as described.....$30 00
T-570A Scanlan portable sterilizer, without stand..... 22 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-575

"THE WHITE LINE" LOW PRESSURE STERILIZING OUTFITS

These outfits were made up to meet the requirements of small hospitals or sanitariums having a limited surgical practice, of physicians and surgeons having a very large office practice in accidental surgery, and of large manufacturing plants that have installed an operating room for accidental surgery and first aid. They make a complete plant for the perfect sterilization of dressings, water, and instruments.

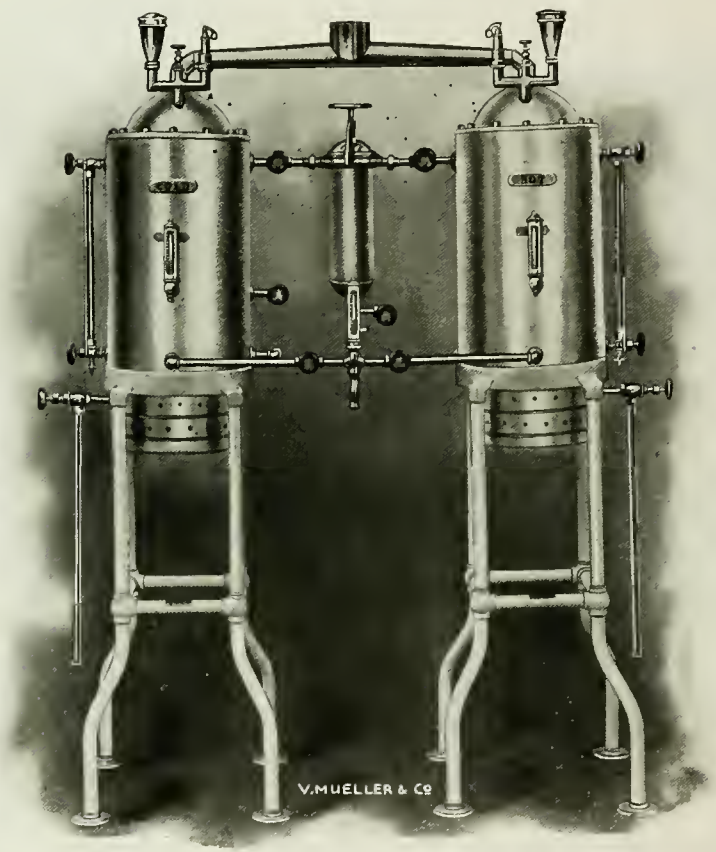
They are made in two combinations; one including sterilizers for water and instruments; the other, for dressings, water and instruments. The dressing sterilizer is of the Scanlan pattern (described on page 678); water sterilizers for hot and cold sterile water, capacity of each tank, 8 gallons, complete with filter, valve connections, water gauge, thermometers, and draw-off faucets; instrument sterilizer, 16x8x6 inches; complete with perforated metal tray for holding instruments, and wire handles for lifting tray.

The sterilizers are all made of heavy copper, polished and nickel plated, are mounted on wrought iron tubular stands, finished in white enamel, and furnished with improved gas, gasoline or denatured alcohol burners, as ordered.

T-575 Low pressure sterilizing outfit, complete with two 8-gallon water sterilizers, and instrument sterilizer 16x8x6 inches, on stand.....$125 00

T-575A Low pressure sterilizing outfit, "The Dominion" complete with Scanlan dressing sterilizer 14x18 inches; two 8-gallon water sterilizers, and instrument sterilizer 16x8x6 inches, on stand..... 180 00

T-575B Low pressure sterilizing outfit, "The Dominion" complete with Scanlan dressing sterilizer 18x22 inches, two 8-gallon water sterilizers, and instrument sterilizer 16x8x6 inches, on stand..... 215 00



T-580

"THE WHITE LINE" HIGH PRESSURE WATER STERILIZERS, GAS HEATED

Limited space in our general catalogue prohibits our entering into a detailed decription of the construction, finish and efficiency of this apparatus. These water sterilizers represent the highest type of sterilizer construction embodying improvements, especially in filter and combination faucet details that are not shown in any other make of apparatus. We make them in three sizes, 15, 25 and 50-gallon capacity.

T-580 High pressure water sterilizers, size 1, capacity 15 gallons each tank, gas heated. $325 00

T-580A High pressure water sterilizers, size 2, capacity 25 gallons each tank, gas heated. 475 00

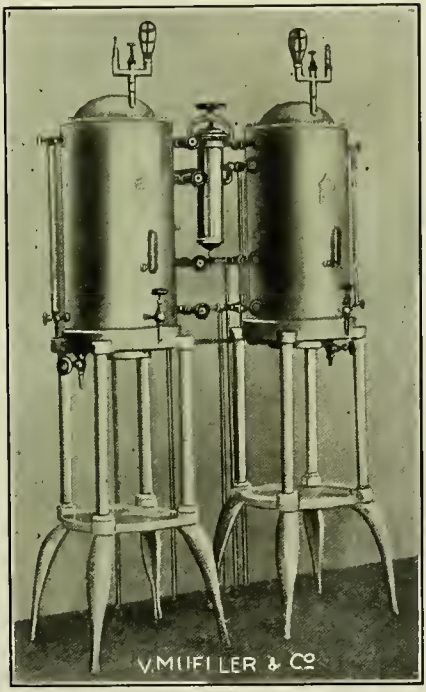
T-580B High pressure water sterilizers, size 1 capacity 15 gallons each tank, steam heated 300 00

T-580C High pressure water sterilizers, size 2, capacity 25 gallons each tank, steam heated 450 00

T-580D High pressure water sterilizers, size 3, capacity 50 gallons each tank, steam heated 675 00

Special catalogue and detailed description of sterilizers will be sent upon request if you are interested.

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-585

HIGH PRESSURE WATER STERILIZERS

KNY-SCHEERER CO.'S PERFECTION TYPE

The perfection type high pressure water sterilizers are guaranteed in every detail of construction. In the manufacture of these apparatus no braced or riveted copper tanks are used but only seamless cold drawn brass shells. A cast bronze dome, bolted to a heavy bronze ring, secured inside of the tanks, forms the top of each sterilizer; this construction insures absolute safety combined with durability.

All water must pass through the filter bougie, before entering the tanks.

When boiler steam is used for heating we mount in each tank a coil of extra heavy copper pipe (not tubing) and in the left tank is a coil for cooling the water rapidly if it is required, immediately after sterilization is completed.

When gas, petroleum or alcohol burners are used, we mount under each tank a powerful burner and in addition in each tank an inner tube heater through the length of the tank. This accelerates the heating and saves on the fuel.

When gas and steam heating are both used, we use the regular gas heater tanks and add the steam heating coils.

The illustration shows the necessary pipes and valves for the installation, but these are not included in the cost of the apparatus.

T-585 Size No. 1, capacity of tank, 15 gallons, heated by boiler steam exceeding 35 lbs. pressure, $325 00; heated by gas.....$350 00

T-585A Size No. 2, capacity of tank, 25 gallons, heated by boiler steam exceeding 35 lbs. pressure, $450 00; heated by gas.. ..... 500 00

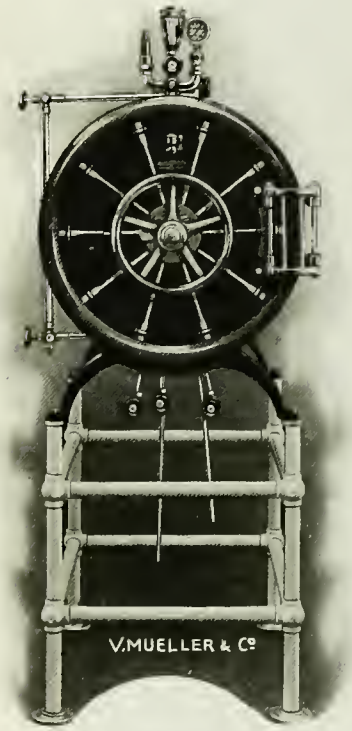
T-585B Size No. 3, capacity of tank, 50 gallons, heated by boiler steam exceeding 35 lbs. pressure, $675 00; heated by gas..... 725 00

Prices on larger sizes upon application.

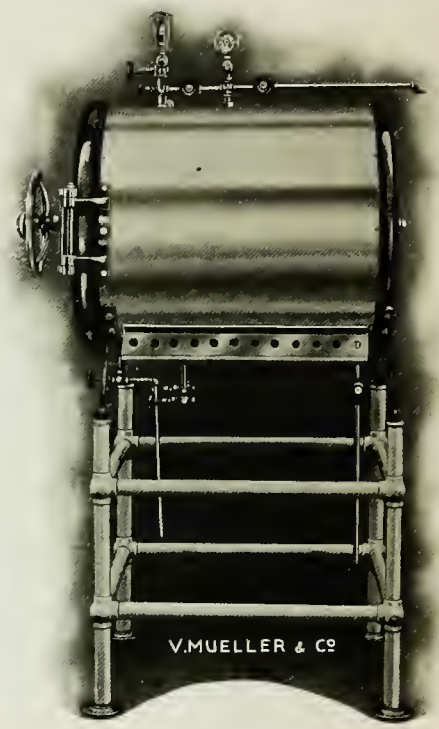
If interested write for complete description of above apparatus.

All sterilizers quoted above with gas, petroleum or alcohol heaters can, in addition, be arranged with steam heating coils at an advance price of $40 00 per set.

Do not mutilate catalogue.—Specify section letter and number in ordering.



Front View



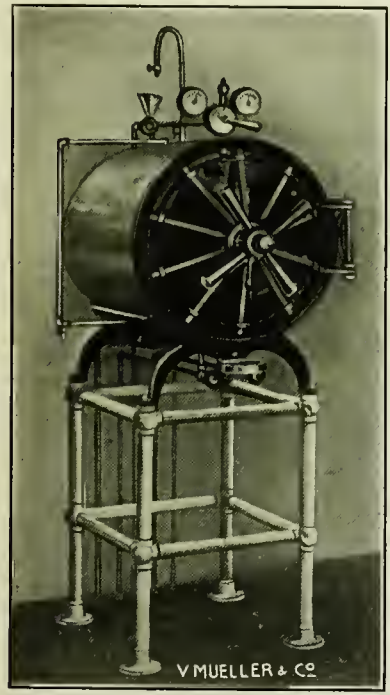
Side View

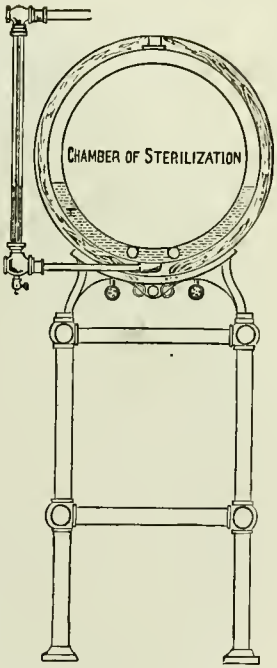
T-590

"THE WHITE LINE" HIGH PRESSURE DRESSING STERILIZERS

The construction of this high pressure dressing sterilizer differs radically from that of other manufacturers. The construction permits of its being taken apart for cleaning or for necessary repairs by any competent steamfitter; has a positive lock for the interlocking radial arms of the door; and can be worked entirely from the front. In the construction of the boiler, valve and pipe system, the manufacturer has followed the rules of the very latest engineering practice, and produced, in design, simplicity, efficiency and durability, a most perfect piece of apparatus. Catalogue giving complete description will be mailed upon request, if you are interested.

T-590 High pressure dressing sterilizer, No. 1, sterilizing chamber 14x22 inches.....$290 00
T-590A High pressure dressing sterilizer, No. 2, sterilizing chamber 16x24 inches..... 325 00
T-590B High pressure dressing sterilizer, No. 3, sterilizing chamber 20x28 inches..... 450 00





T-598

HIGH PRESSURE DRESSING STERILIZERS

KNY-SCHEERER CO.'S PERFECTION TYPE

This sterilizer has long been noted for its superior qualities.
It is double jacketed so as to conserve the heat. The makers guarantee
ABSOLUTE RELIABILITY and POSITIVE RESULTS.
STRONGEST POSSIBLE CONSTRUCTION.
EASE AND SIMPLICITY OF OPERATION.

The apparatus is fitted with a vacuum valve and air ejector to withdraw the air from the dressings to insure thorough and rapid penetration of the steam. The two cylinders which form the steam jacket and chamber are of extra heavy copper coated with pure tin, copper riveted to copper covered end rings. The outer jacket and all fittings are nickel plated, door and back head ebonized. The combination valve on the top near the front controls the steam and being the only valve to handle the nurse does not become confused, nor burn her hands.

The one gauge shows the pressure in the jacket. The other gauge shows either pressure or vacuum in the chamber, so that the internal conditions can always be noted accurately.

T-598 Size No. 1, internal dimensions of sterilizing chamber, 10x20, arranged for steam and gas heating $200 00

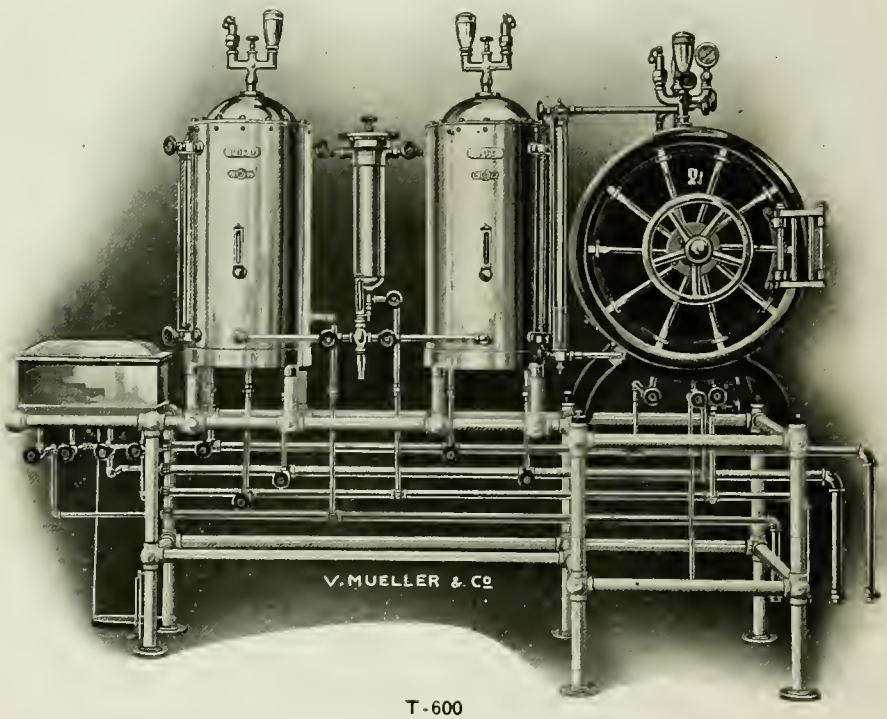
T-598A Size No. 3, internal dimensions of sterilizing chamber, 14x22, arranged for heating by boiler steam of 35 lbs. pressure and over, $325 00; arranged for steam and gas heating 290 00

T-598B Size No. 4, internal dimensions of sterilizing chamber, 16x24, arranged for heating by boiler steam of 35 lbs. pressure and over, $325 00; arranged for steam and gas heating 325 00

T-598C Size No. 6, internal dimensions of sterilizing chamber, 20x28, arranged for heating by boiler steam of 35 lbs pressure and over, $480 00; arranged for steam and gas heating 480 00

Prices on smaller or larger sizes furnished upon application.

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-600

"THE WHITE LINE" HIGH PRESSURE STERILIZING APPARATUS COMBINATION STAND

When the wall space in the sterilizing room permits, we can furnish the sterilizing plant as shown, mounted on one stand, complete with all necessary pipes and valves for steam supply, steam return, water supply and water waste, etc., ready to connect to risers. The outfit includes: one high pressure dressing sterilizer, one set high pressure water sterilizers, and one instrument sterilizer.

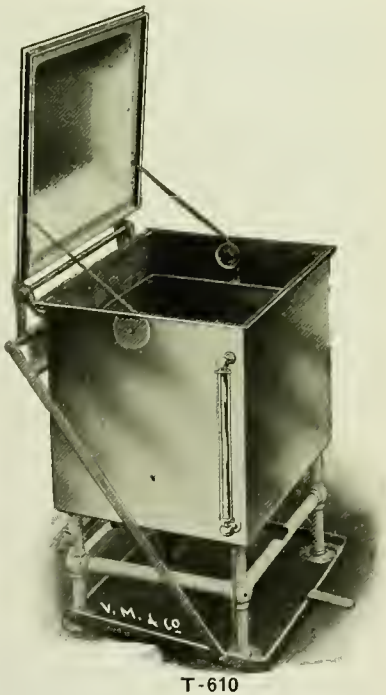
Many of the plants sold by us in the past have been installed in this manner, and we find it is more satisfactory in every way, both to the hospital as purchasers and to ourselves as manufacturers. It insures, in the first place, that all connections, valves, etc., will be connected properly; secondly, the placing of the valves at the most convenient points for operating the plant; and, third, a greater economy on the part of the hospital making the installation.

The stand is of extra heavy wrought iron tubular construction, finished in white enamel or aluminum bronze, as desired.

The prices depend entirely upon the size of the units selected, and we shall be pleased to give quotations upon receipt of specifications.



T-605



T-610

INSTRUMENT AND UTENSIL STERILIZERS

These sterilizers are made in three sizes, of heavy copper, coated internally with pure tin, the outer surfaces being polished and nickel plated. A water seal at the upper edge into which the cover fits reduces the escape of steam to a minimum. They are furnished with perforated metal trays for holding instruments, and wire handles for lifting trays; are equipped with improved foot-lift for raising and lowering the cover, stop-cock in bottom for emptying, and are mounted on wrought iron tubular stands of handsome design, finished in white enamel, and furnished with special blue flame gas burners.

T-605 Instrument sterilizer, No. 1, length 16 inches, width 8 inches, depth 6 inches, with one large tray $35 00

T-605A Instrument sterilizer, No. 2, length 18 inches, width 9 inches, depth 7 inches, with one large and two small trays 55 00

T-605B Instrument sterilizer, No. 3, length 22 inches, width 10 inches, depth 10 inches, with one large and two small trays 65 00

NOTE—Steam coils, extra $10 00. Water supply valve, extra 5 00

UTENSIL STERILIZER

This sterilizer is used for the rapid sterilization of basins, trays, pitchers, etc., is made of heavy copper, coated with pure tin inside, polished and nickel plated on the outside, has water seal at its upper edge for the reception of the cover, which reduces the escape of steam to a minimum. It is furnished with heavy perforated metal tray, connected by chains passing over pulleys to the cover; is equipped with an improved foot lift for raising the cover and elevating the tray at the same time. It is mounted on a wrought iron tubular stand, finished in white enamel, and furnished with blue flame gas, gasoline or denatured alcohol burner.

The sterilizer can be equipped with steam coil for heating at an added expense of $15 00.

T-610 Utensil sterilizer, length 24 inches, height 20 inches, depth 20 inches, with gas, gasoline or denatured alcohol burners 125 00

T-610A Utensil sterilizer, length 24 inches, height 20 inches, depth 20 inches; equipped with steam coils 125 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-615



T-620

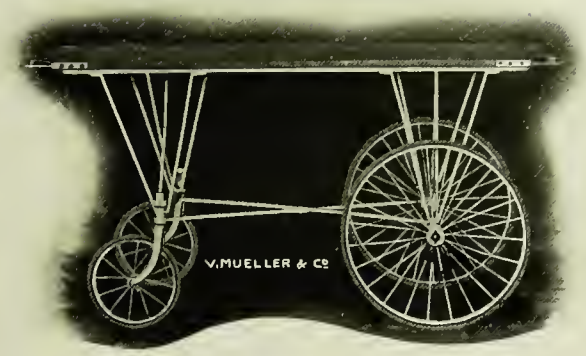
T-625

UTENSIL CABINETS AND METAL LOCKERS

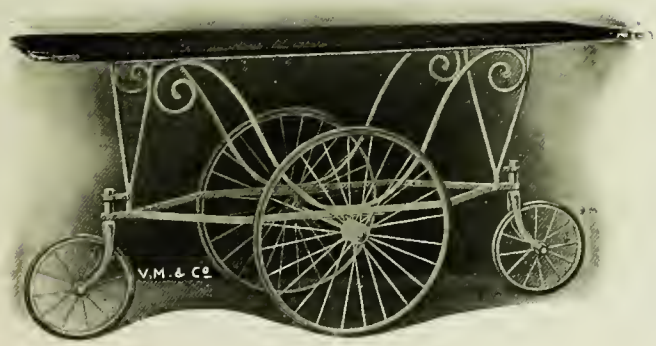
T-615 Utensil cabinet for storing douche pans, bed pans, urinals, pus pans, dust pans, dusters, and other unsightly articles.
Made entirely of metal finished in white enamel.....$50 00

T-620 Wardrobe for private or doctor's room, 24 inches wide, 72 inches high, 12 inches deep. Made entirely of metal, finished in white enamel..... 40 00

T-625 Locker, made of pressed steel. These lockers are constructed on the unit principle throughout and can be rearranged, their location changed or number increased or decreased. Furnished single or in series of two 2-4-6 8-10, etc. They are very durable and much cheaper than anything else that can be used for this purpose. They are now in use in practically every modern hospital in the country.
Price furnished upon application.
The standard finish of these lockers is olive green.
When making inquiries state color wanted if other than standard.



T-630

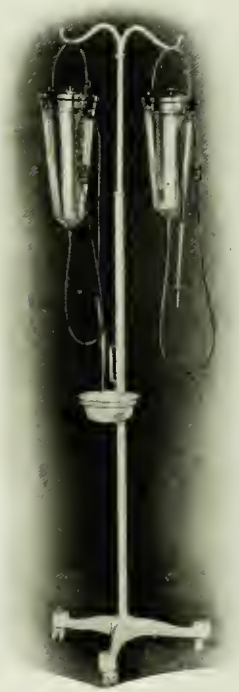


T-635

WHEEL STRETCHERS

Our wheel stretchers are constructed to withstand the most severe usage. The frames are made of steel, braced to give the greatest strength, and are mounted on heavy steel suspension wheels and rubber cushion tires. The small wheels are twelve inches and the large wheels twenty-four inches in diameter. The top is removable, made of heavy oak, stained or varnished, fitted at the corners with heavy wrought iron nickel plated handles. This top will serve admirably as a carrying stretcher. The forks are hand forged. The frames and wheels are finished in white enamel.

T-630 Wheel stretcher $45 00
T-635 Wheel stretcher 45 00



Double
T-640



Improved Pattern
T-645



Single
T-650

IRRIGATOR STANDS

This stand has a heavy tripod base mounted on casters; is adjustable from five to nine feet in height; and is furnished with basin for immersing nozzles.

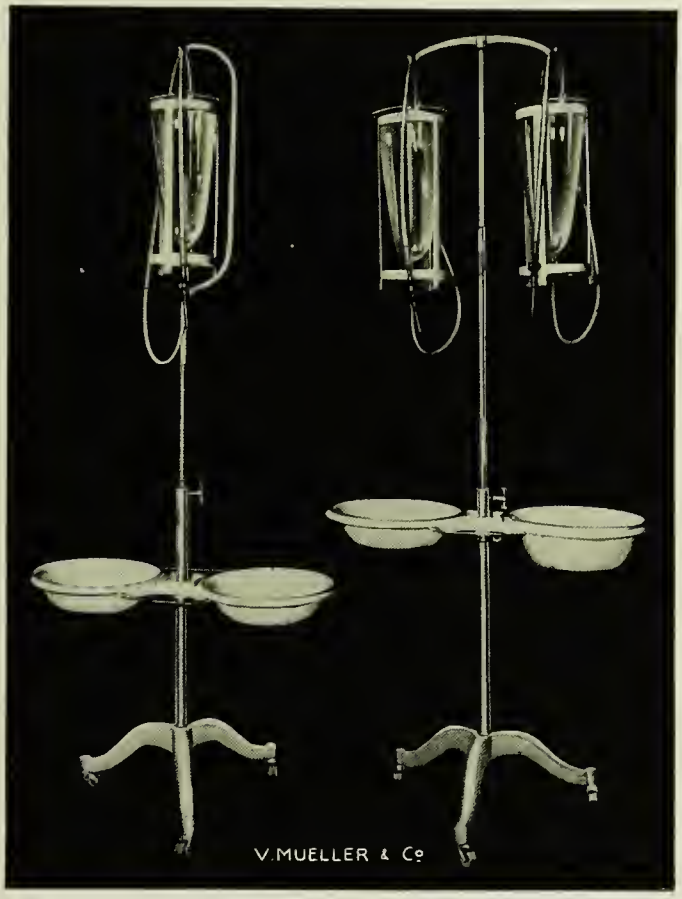
T-640 Irrigator stand, double, complete with 1-gallon irrigators, nickel plated pails and covers, rubber tubes, cut-offs, and glass irrigating nozzles.....$18 00

This staud is made of tubular wrought iron, mounted on extra heavy base, with large rubber tired casters, suspension ring and basin for holding irrigating nozzles, rigid iron semicircular collars for holding irrigators; is adjustable with worm gear and ratchet. The *ease* with which the irrigators can be *placed in position* or *removed;* the rigid position in which they are held by the rings; and the ease of adjustment make this the *best type* of *stand on the market.*

T-645 Irrigator stand, double, improved pattern, complete with two 1½-gallon irrigators, covers, pails, rubber tubes, cut-offs, and irrigating nozzles.....$27 50

This pattern is used in rooms or wards; is light enough to be carried easily; is adjustable in height by means of telescoping rod and set screw.

T-650 Irrigator stand, single, light pattern..... $6 00



T-655 T-660

COMBINATION IRRIGATOR AND WASH STANDS

The combined irrigators and wash stands here illustrated fill a long felt want and they are especially suitable for office use. The frame holding the wash basin is adjustable up and down, on the upright post, which makes it very useful in many ways. In douching for instance, the patient can be brought over one of the basins and the proper height is easily and quickly obtained. The basins can be adjusted from 8 inches from the floor to a height of 2 ft. The stand has a heavy base mounted on casters and is finished in white enamel with all working parts nickel plated.

T-655 Irrigator with two No. 34 basins, one 1-gallon percolator, 6 ft. tubing, cut-off and glass nozzle.....$15 00

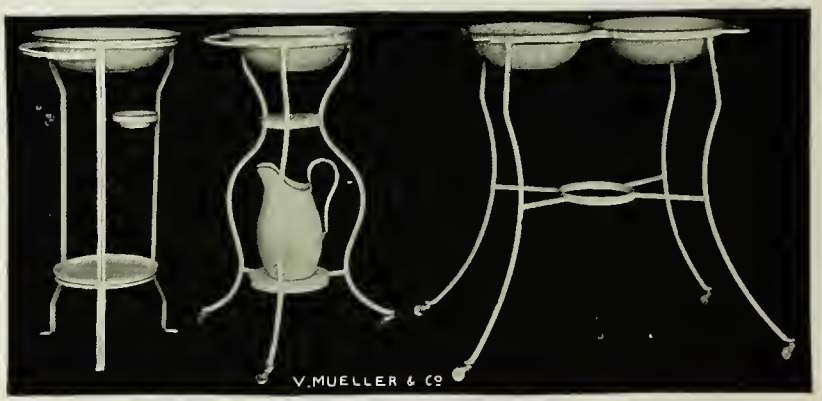
T-660 Irrigator same as T-655 but with two 1-gallon percolators, rubber tubing, cut-off and glass nozzle..... 18 00

T-660A Irrigator same as T-660, but revolving frame with three basins..... 20 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-670 T-675 T-680



T-685 T-690 T-695

IMMERSION BOWL STANDS



T-700

All our stands have a substantial heavy base of latest design and are not as light in weight as some offered at same price which tip over easily and do not revolve. *Our bowls revolve on top of standard* and are also supplied with lignum vitae casters. Our white enamel is hard baked and high finish.

The enameled ware is the best made.

T-670 Instrument tray and two deep bowl revolving immersion stand, as cut. (This is an exceedingly practical outfit).....$13 50

T-675 Two basin revolving stand, as cut, all white 6 00

T-675A Two basin revolving stand, as cut, with a white and blue basin..... 7 00

T-675B Two bowl revolving stand, as cut, with deep white bowls 7 00

T-680 Three bowl revolving stand, with deep white bowls 10 00

T-695 Aseptic two-basin wash stand, with 13½-inch enameled basins, white enameled stand..... 7 00

T-695A Aseptic three-basin wash stand, with 13½-inch enameled basins, white enameled stand 9 00

T-690 Aseptic one-basin wash stand, with 13½-inch enameled basins, white enameled stand (without pitcher) 4 00

T-685 Plain Japanned one-basin wash stand, with 13-inch basin 2 50

T-700 Glass arm immersion bowl, and two deep bowl revolving stand, as cut. 13 50



T-705



T-710

BOTTLE RACKS FOR STOCK SOLUTIONS

T-705 Bottle rack for 6 bottles. Constructed of tubular wrought iron, white enameled and mounted on casters. The frame is strongly made and is perfectly rigid. The bottles furnished with this rack are 1-gallon capacity each, with either wide or narrow neck, they are supported in tilting frames and can be easily removed for cleaning $35 00

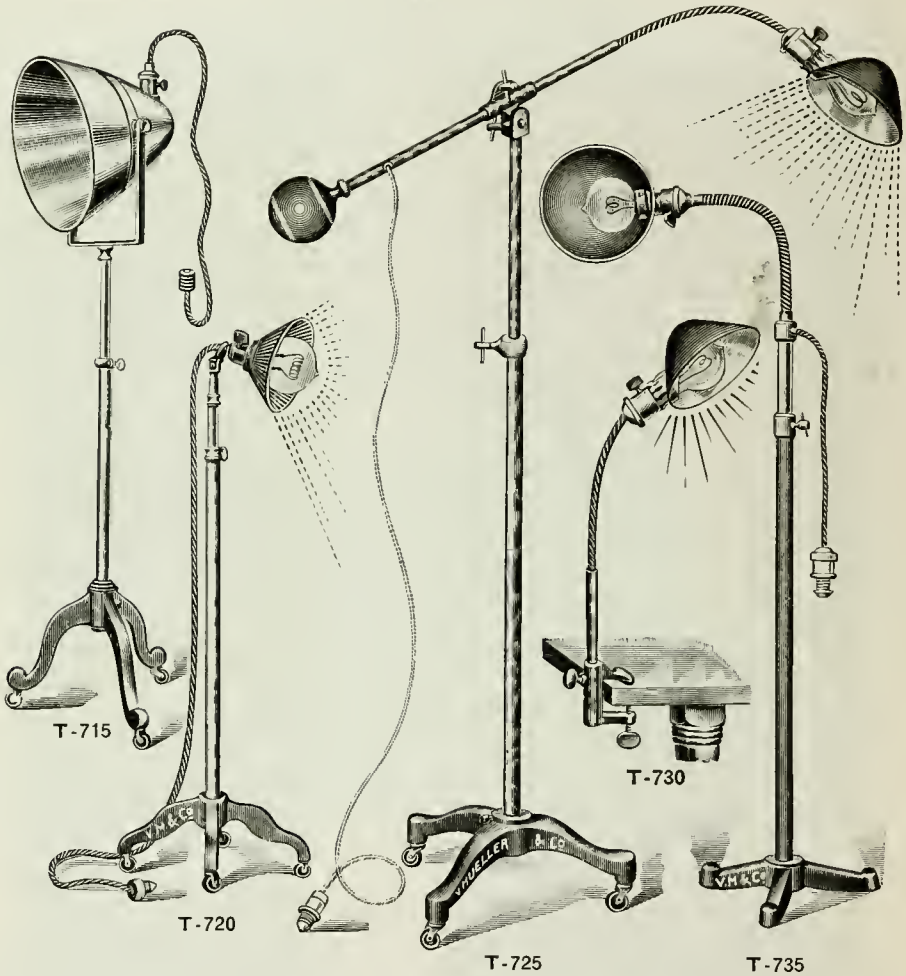
T-705A Bottle rack, same as described under T-705, but with four one 1-gallon bottles.... 30 00

T-710 Bottle rack, made of tubing, fitted to a heavy metal base, mounted on ball-bearing casters. The bottles have glass stoppers and are of 1-gallon capacity each, fitted in a tilting rack. The bottles are easily removed for cleaning or refilling. Frame finished in white enamel. Rack containing 6 bottles..... 23 00

Rack containing four bottles..... 20 00

Extra bottles to fit in either of the above racks, each..... 75

Do not mutilate catalogue.—Specify section letter and number in ordering.



PORTABLE ELECTRIC LIGHT STANDS

T-715 Electric parabolic reflector. Inside of reflector plated, mounted on a strong adjustable stand with heavy base and rollers. The reflector can be placed at any angle and is fitted with socket and cord and high candle power lamp. Diameter of reflector 10 ins. $25 00

T-720 Electric illuminating stand, adjustable as to height and arranged so that it can be turned in every direction. Complete as illustrated 17 50

T-725 The Eye and Ear Infirmary portable electric light stand, is so constructed that the light can be placed where it is needed and in such a way that the stand proper is not in the way of the operator, assistants or spectator. It is principally intended for use in the eye, ear, nose and throat operating room. The stand has a heavy base to make it firm, the upper portion has a flexible arm on one side and on the other side a counter weight. The base is finished in black, the balance of the stand in oxidized copper. Complete including 50 C. P. Edison stereopticon lamp 20 00

T-730 Electric illuminating apparatus, Dr. J. Beck's. This is so arranged that it can be attached to any operating table or operating chair. The upper portion is of flexible material and the shaft itself can be turned in every direction. Outfit complete with cable, 32 C. P. Edison stereopticon lamp and parabolic reflector.... 7 50

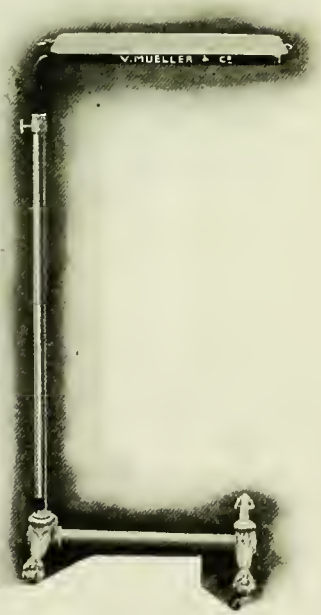
T-735 Electric light stand, adjustable with flexible arm connected to telescoping extension tube. Complete with 8-ft. cord and attachment plug, 32 C. P. lamp and parabolic reflector 12 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-740

Mayo Instrument Rack



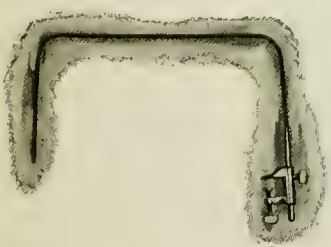
T-745

Mayo Instrument Rack With Stand and Base

MAYO INSTRUMENT RACK

A convenient tray for holding instruments during an operation. The removable porcelain tray rests in an aluminum frame, and is held in place with small clamps and set screws. The frame is attached to a steel rod having an adjustable collar. The rod can be passed through the eye bolts attached to the uprights of the table, and adjusted to suit the convenience of the operator.

T-740 Mayo Instrument rack, with removable porcelain tray..... $7 50
T-740A Mayo Instrument rack, with non-removable aluminum rack..... 7 50
T-745 Mayo Instrument rack, with porcelain tray, on base..... 10 00



T-750

Anaesthetizer's Screen

ANAESTHETIZER'S SCREEN

Consists of flexible brass rod and clamp. The rod can be bent into shape and size to suit the convenience of the anaesthetizer. Can be attached to any operating table. Screens field of operation, and protects the wound from sepsis through saliva or vomit that might otherwise possibly contaminate the field of operation.

T-750 Anaesthetizer's screen, with clamp, complete $3 50

THE DEAN OPERATING TABLE



(Designed by Dr. L. W. Dean, Iowa City, Iowa.)

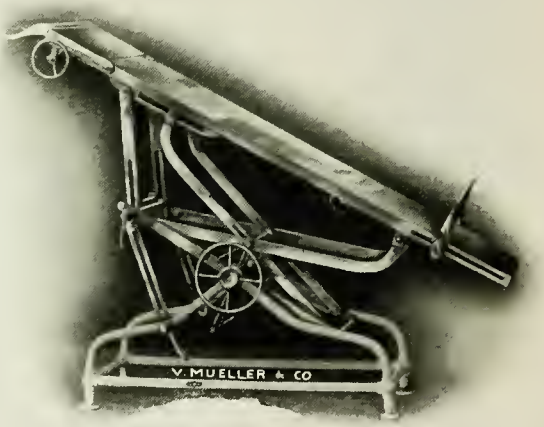
This table was designed by Dr. Dean to meet in a surgical table the special requirements and positions required in his work as an eye, ear, nose and throat specialist, and by practical test has demonstrated that it more than meets the demands for which it was originally made.

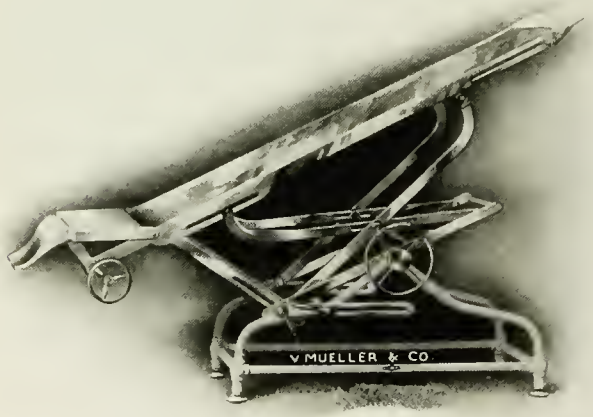
The table top is adjustable in height from 31 to 42 inches, and is raised or lowered by means of a worm screw and gear operated by the large hand wheel in the center of the table frame.

The head piece is adjustable to any desired angle by means of the wheel at head of the table operating a sliding nut and screw adjustment, and retains any position without other lock or catch.

The drop head piece, which can be attached to the head of the table, will be found especially useful in operations of the neck, and in tracheascopic, bronchoscopic and aesophagoscopic work.

The top of the table can be tilted to the foot or head, giving a semi-full Trendelenburg or reverse Trendelenburg position. It is covered with heavy sheet copper, polished and nickel plated.





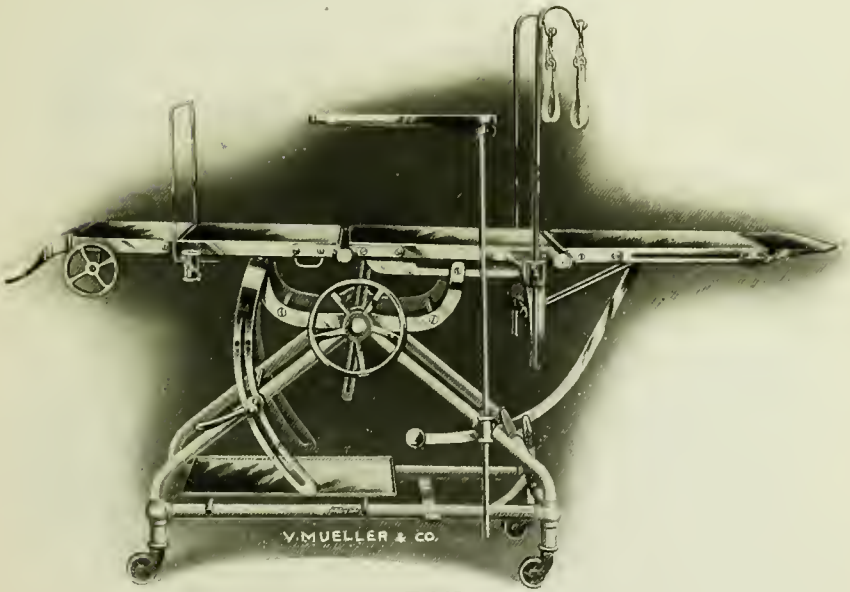
The hinged foot rest is attached to and is a part of the foot piece of the table, and is adjustable up or down by means of slide and set screw.

The frame is of heavy wrought iron tubular construction, finished in white enamel, and mounted on easy sliding furniture shoes.

Dean operating table, complete, as described $175 00

T-755

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-765

THE MINNESOTA OPERATING TABLE No. 3

(As used at St. Mary's Hospital, Rochester, Minn.)
(Patent applied for.)

The latest model of this table (shown in above illustration) differs radically in mechanical construction from our No. 1 of the same name, which we presented to the profession some three years ago. All practical positions demanded in modern surgery can be quickly and easily obtained, and all positions or changes of positions are under the direct control of and can be made by the anaesthetizer from the head of the table. The new features exhibited are:

First—The obtaining of the central body elevation by means of wheel, worm screw and ratchet.

Second—The automatic dropping and raising of the foot piece in the Trendelenburg position.

Third—The almost instantaneous change of position that can be made by means of our new improved foot lever, from the Trendelenburg and horizontal to the reverse Trendelenburg position.

Fourth—The sliding, hinged, adjustable foot-rest that is absolutely necessary to obtain the best results in the reverse Trendelenburg position.

Fifth—The adjustable head-rest operated by wheel and our improved screw with sliding nut.

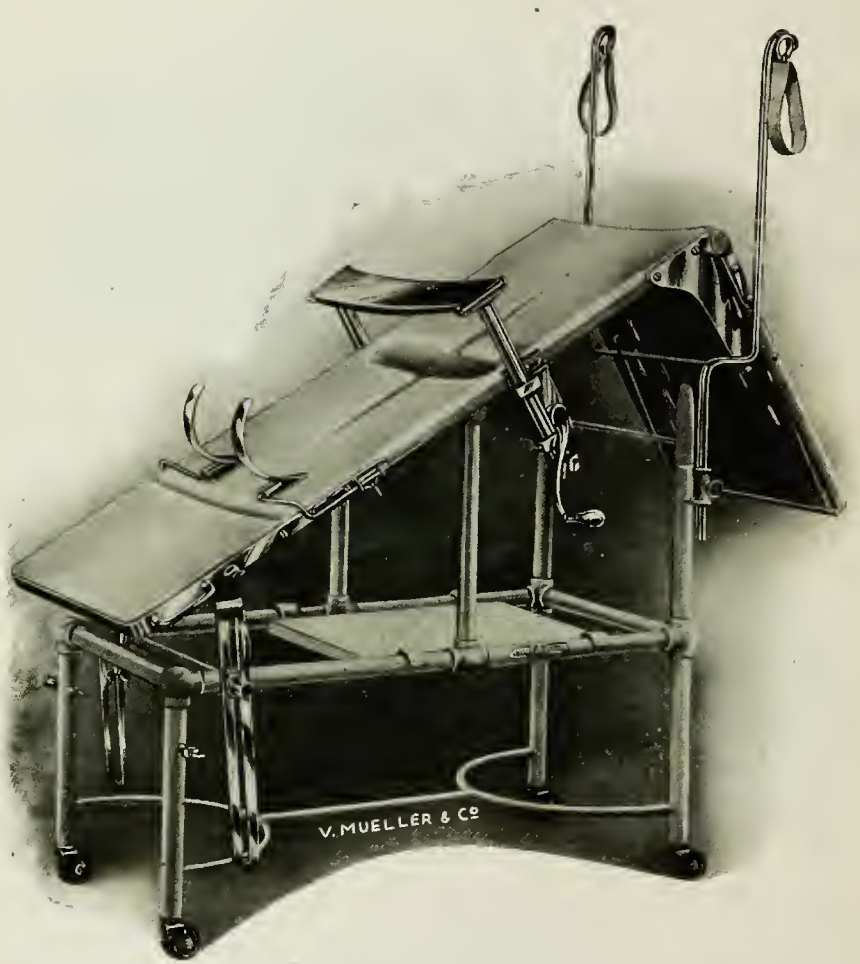
Sixth—The Mayo drop head-rest that can be attached to the table proper for goiter work and operations on the neck.

The top is made of heavy copper, heavily nickel plated; fittings are of wrought iron, copper and nickel plated; frame is of tubular construction finished in white enamel and mounted on heavy 3-inch iron rubber tired wheels.

It is complete with Mayo instrument rack, Mayo goiter attachment, Mayo adjustable head piece, sliding adjustable foot-rest, anaesthetizer's screen, anaesthetizer's shelf, leg holders and foot straps.

T-765 Minnesota operating table No. 3, complete as described.....$165 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-775

"THE WHITE LINE" OPERATING TABLES

These tables need no introduction; they have been in use by the profession for the past ten years, and have, without exception, given the best of satisfaction. They are clean, easy to keep clean, and are practically indestructible, and they will meet the requirements of the most exacting operators.

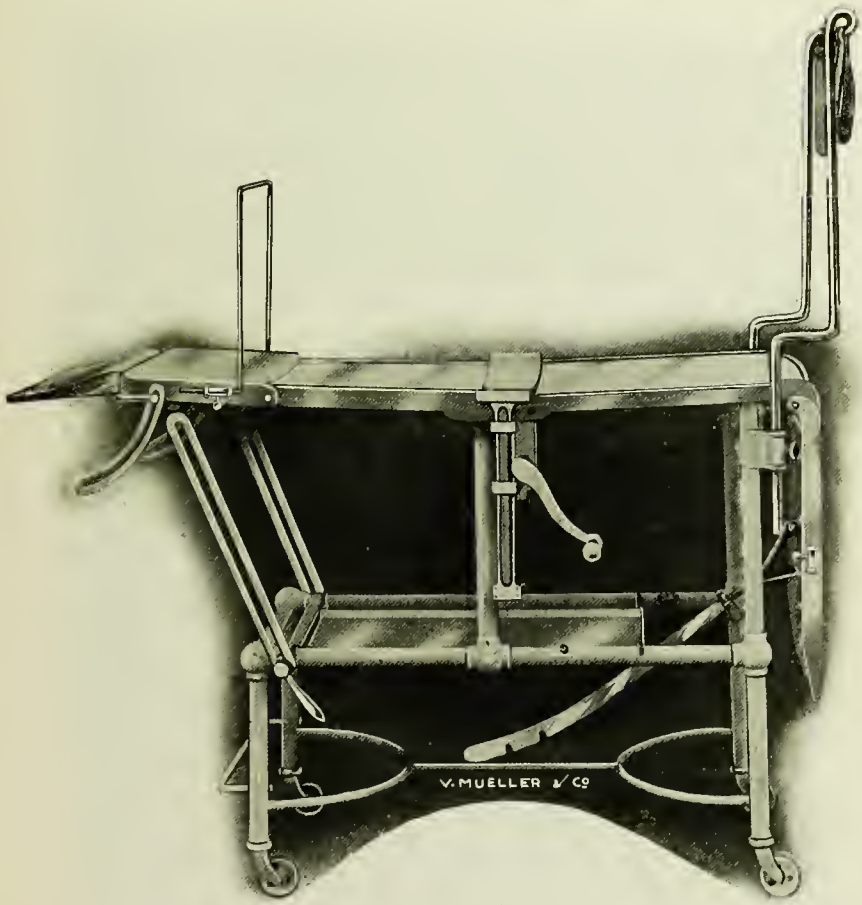
The tops are of iron, coated with snow white porcelain enamel, and are thoroughly aseptic. The body elevator can be raised or lowered from either side of the table by means of an improved sliding screw, is operated without noise, and retains its position without catch. Table frame is of tubular construction, rigidly braced, finished in white enamel, and is mounted on heavy three-inch rubber tired iron casters.

The tops are made in three forms: plain, with longitudinal drain, and (as shown in illustration) with longitudinal and lateral drain.

T-775 White line operating table, with elevator, complete as shown.....$125 00
T-775A White line operating table, without elevator, otherwise complete as shown..... 85 00

The table can also be furnished with plain to slightly concave as well as with longitudinal drain at the same price as T-775A.

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-780

THE MINNESOTA OPERATING TABLE No. 2

(As used at St. Mary's Hospital, Rochester, Minn.)

The table is so balanced that it can be placed in any desired position without exertion. The foot piece automatically drops to the proper angle when the table is placed in the Trendelenberg position, and readjusts itself automatically as the table top is brought back to the horizontal plane.

The body elevator for stomach, kidney and gall stone work, can be operated from either side of the table, is raised or lowered by means of our improved screw and sliding nut mechanism, works noiselessly and retains any adjustment without lock or catch.

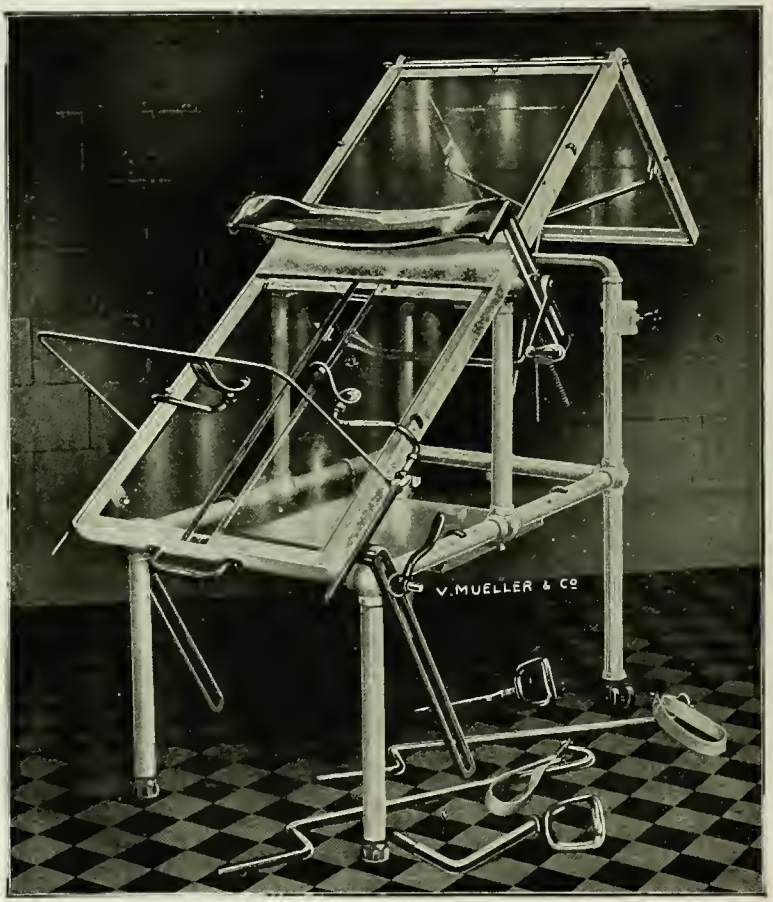
A small shelf or rack for holding instruments when operating in the gynaecis or rectal positions can be attached to the foot piece of table, and raised or lowered by means of sliding rods and set screw.

Mayo instrument tray or rack can be used on either side of table and adjusted by means of sliding rod and set collar.

Top is made of heavy brass, polished and nickel plated; fittings of wrought iron, copper and nickel plated; frame of tubular construction, finished in white enamel, and mounted on heavy, 3-inch rubber tired iron wheels.

T-780 Minnesota operating table No. 2, complete with Mayo instrument rack, Mayo goiter attachment, gynaecic shelf, adjustable body elevator, anaesthetizer's screen, shelf for sundries, leg holders, and foot straps.....$150 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



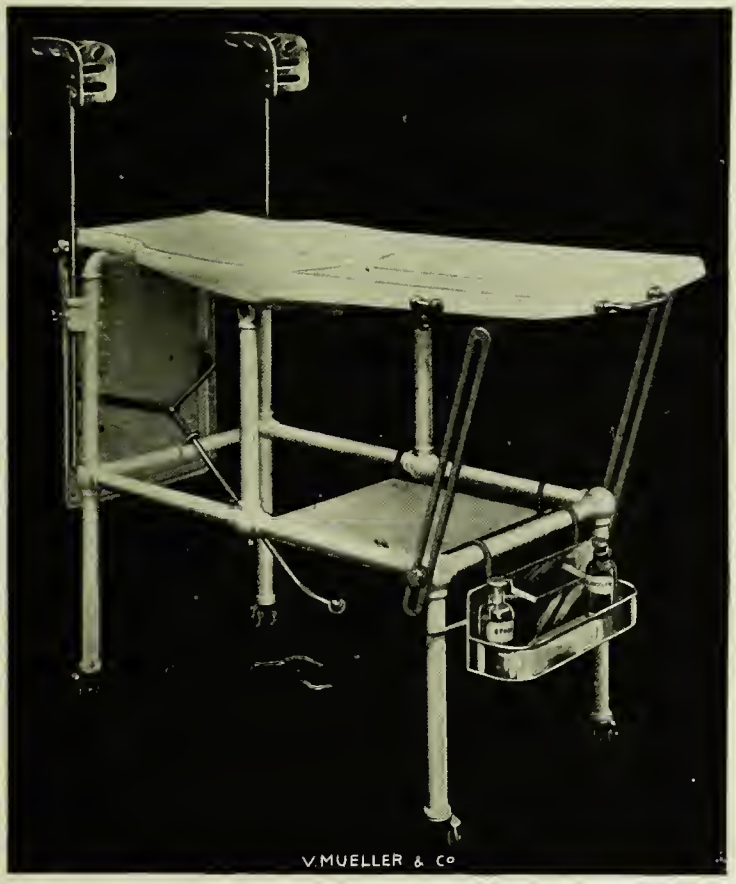
T-785

OPERATING TABLE

The J. F. Baldwin general operating table, with automatic leg extension, drop and adjustable elevator and bridge for gallstone, kidney or stomach operations and for bandaging the abdomen. It is constructed of steel, white enameled, and the top is fitted with four heavy French plate glass plates, or, if preferred, the single section of glass can be divided and the top furnished with six plates, but four are usually preferred, as it prevents breakage. The table has been designed where a glass top table is preferred.

T-785 Baldwin table, without elevator and bridge and leg holders.....$85 00
T-785A Is the same as No. 785, with gynaecological stirrups..... 90 00
T-785B Is the same as No. 785, with gynaecological stirrups and sholder braces.....100 00
T-785C Complete as shown on the illustration, with the gallstone elevator and bridge and all the attachments, including detachable anaesthetizer's screen.....130 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-790

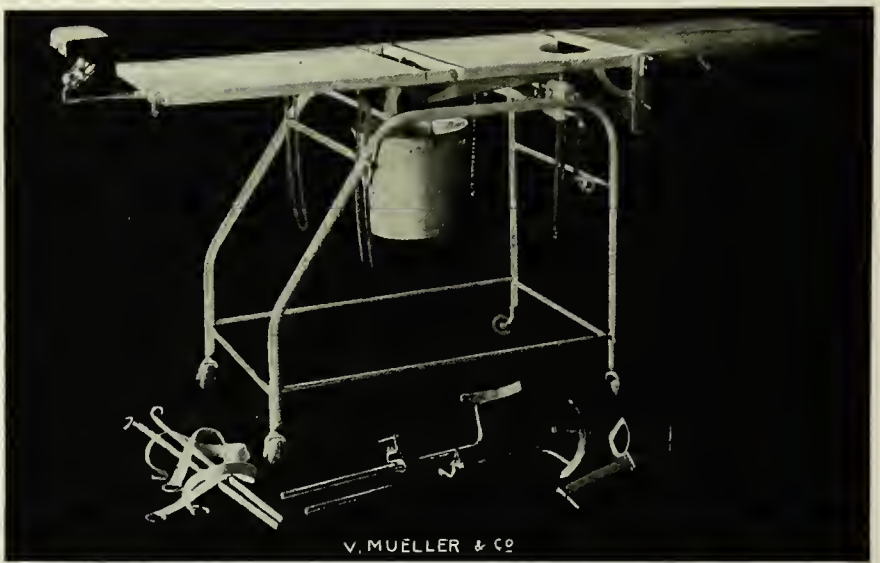
V. MUELLER & CO.'S IMPROVED BALDWIN TABLE

This table is designed to meet the demands for a cheaper table than those shown on the preceding pages, although it is a good, strong outfit. The entire top of table is sherardized sheet steel, baked white enamel (painted) and has a strong base.

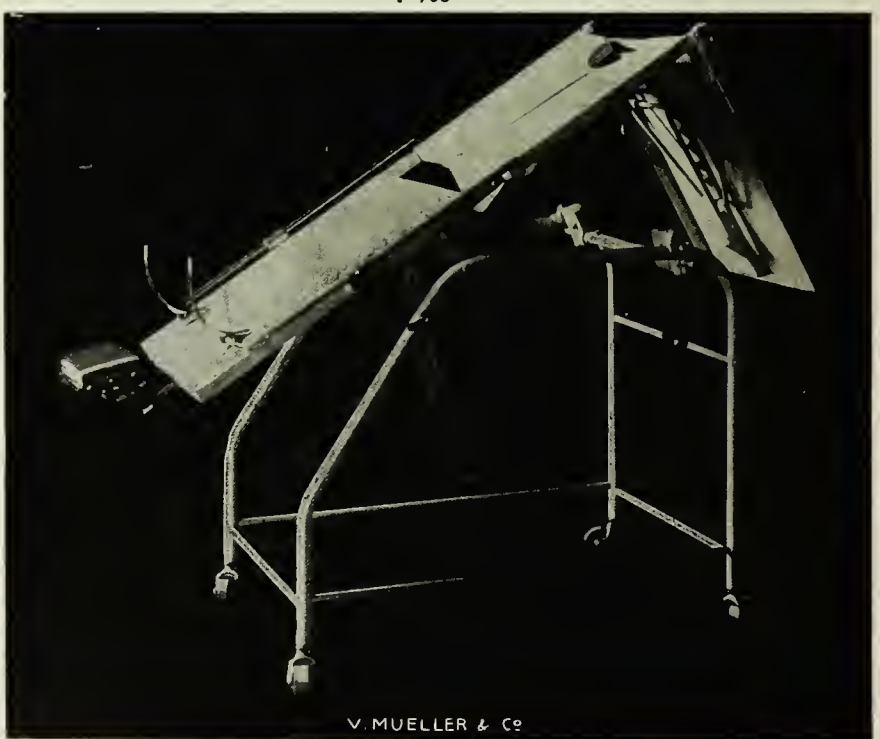
T-790 Steel, white enameled top, Baldwin automatic operating table as shown in above illustration with 1 pair adjustable Bierhoff knee crutches and Iglauer's anaesthesia rack $75 00

T-790A Same as 790 with the addition of the improved Lillienthal abdominal elevator with bronze gearings (no chains) and 1 pair shoulder braces..... 110 00

T-790B Table only with 1 pair leg holders and straps, or 1 pair gynaecological stirrups.. 50 00



T-795



T-795

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-795

THE COLUMBUS MOSCOW TABLE

The frame or base of our Moscow table is made of strong, seamless tubing well braced and fitted on 2½-inch rubber casters.

The top is made of heavy steel in three pieces, viz.: Head piece, center piece and foot piece.

The center piece is slotted for drainage and has the U shape in front, allowing freedom in vaginal and rectal examinations or instrumentation. The drain pan slides under and carries all drainage to the bucket.

Center piece is hinged to the frame or base about three inches above the top rail, thus preventing shearing of clothing or fingers.

The foot piece is easily detached and attached when desired, and locks automatically by raising.

The head piece has the head-rest and clamps for shoulder crutches and can be placed at any angle desired.

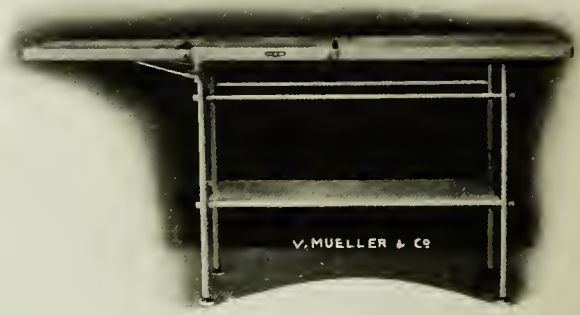
When used as an examining chair, the center forming the seat can be lowered at the front, which will cause the drainage to flow forward and toward the center at the same time. By means of a crank, the seat of the table can be raised to any desired height, always self-locking.

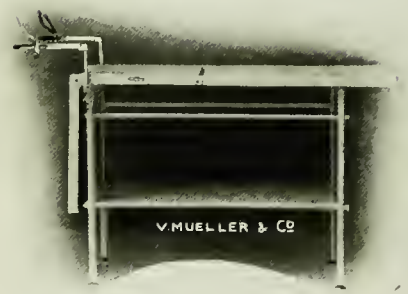
With a simple device, the seat of the table can be raised or lowered by the means of a crank to any desired height without removing the patient, and is always self-locking the table being rigid at all elevations. Adjusted on 2½-inch rubber tired casters. Length of table, by using the head-rest, 76 inches; width, 19 inches; height, 32 inches. The drop leaf is raised or lowered by an entirely new device. The Moscow is modern and up-to-date in every particular.

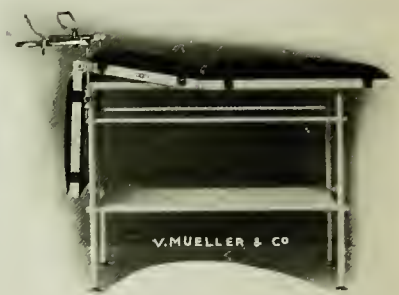
T-795 Price $45 00

Do not mutilate catalogue.—Specify section letter and number in ordering.









THE PARAGON OFFICE EXAMINING TABLE

A table for office practice giving *all necessary positions* for examinations and treatment.

A table that is "aseptic," easy to keep clean and that *harmonizes* with the office furnishings.

Mechanism of table—*automatic, self-adjusting;* the patient can be placed in position wanted with rapidity and ease.

The Paragon table is of *steel construction* with rigid frame of tubular steel, eliminating corners and crevices.

The shelf extending the full length of the table frame will be found a *convenience, as on it within reach* of the physician's hand can be placed instruments, basins, etc.

The adjustable stirrups are of steel, nickel plated.

Mounted on sliding furniture shoes, the *Paragon table is easy to move.* The sliding shoe does not mark up the floor or rugs as rollers do.

The Paragon table we finish in the *highest grade of enamel,* hand rubbed and baked.

In order to *save our customers* excessive transportation charges, we ship the tables knocked down, as the construction is such that it is only the work of a few minutes to reassemble them.

T-800 No. 15, Paragon table, white enamel finish. Price.....$27 50
T-800A No. 16, Paragon table, golden oak finish. Price..... 27 50
T-800B No. 17, Paragon table, mahogany finish. Price..... 27 50
T-800C Water proof leatheret cushions for Paragon table. Price..... 5 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



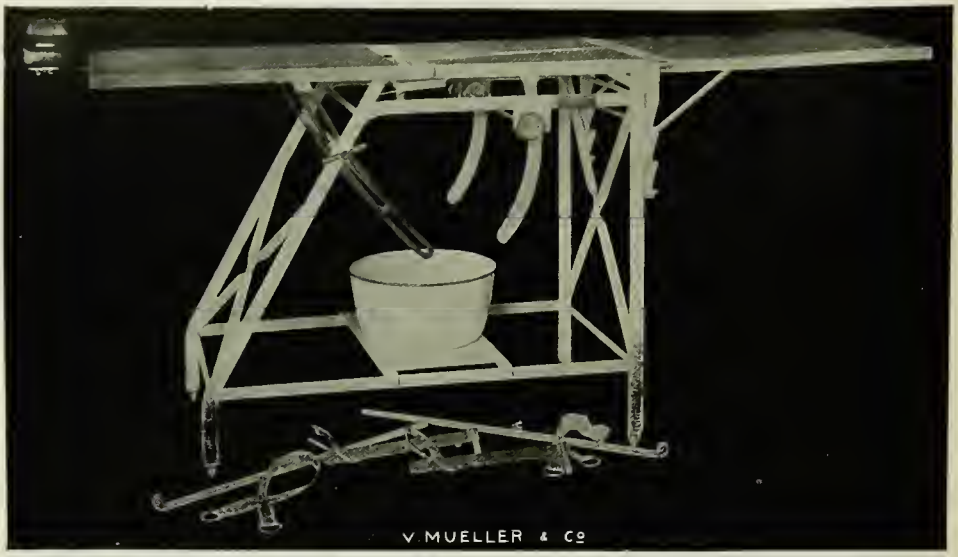
T-805

CHICAGO EXAMINING AND OPERATING TABLE

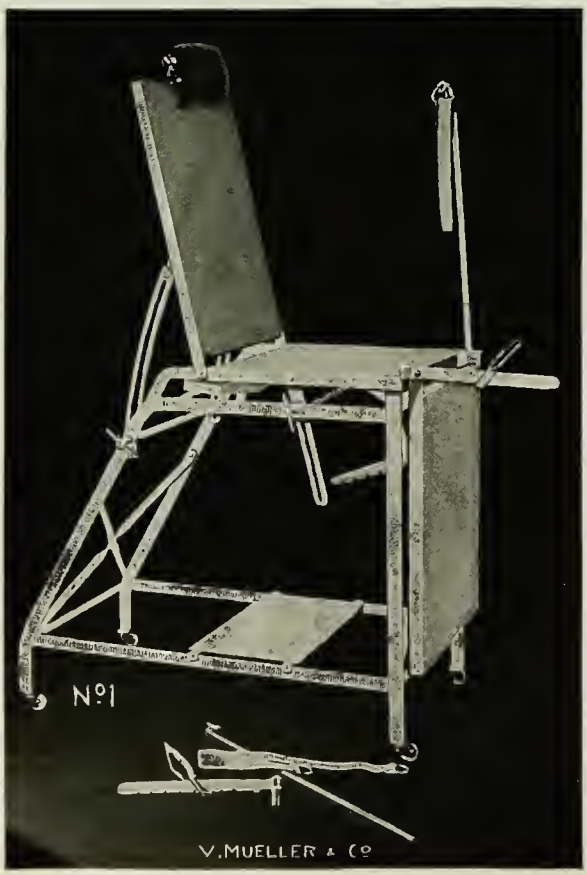
This table is designed to meet the demand of a good all round examiuing and operatiug table. It is made entirely of metal and all the necessary movements ean be had without any complicated mechanism. The tilting device is a uoiseless winding gear which is so situated that it can be reached by the operator most conveniently while either in a sitting or standing position. The seat and leg-rest on the table have a space cut out of them in the middle, which is most desirable in genito-urinary work. The drainage pan is shaped so that it does not interfere with the use of instruments. These features eliminate the necessity of shifting the patient or removing the leg-rest. The table has a step for the patient which is entirely out of the way, also improved adjustable heel stirrups and Bierhof's late erutches. Stirrups, head-rests and handles are nickel plated. The table is finished in white enamel unless otherwise specified. It can be furnished with plate glass top as well as with grained oak or mahogany finish.

T-805 Chicago table, including stirrups, white enamel finish.....$37 50
Bierhof's leg crutches extra..... 5 00
Leatherette cushions, black or white covering entire top, extra..... 7 50
Adjustable head-rest, extra 7 50
Adjustable shoulder braces, extra..... 7 50
For table without stirrups, deduct $2 50.

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-810



COLUMBUS CHAIR AND OPERATING TABLE

This table is constructed of steel, finished in white enamel with the exception of handles, leg rests and stirrups, which are nickel plated. The various positions as used by the modern surgeon and gynaecologist can all be obtained from this table easily and quickly, for the reason that the mechanism is very simple. The middle portion of the table is short, and when put in position as shown in the lower illustration in connection with the adjustable head-rest, transforms the table into a satisfactory chair for nose and throat work. Complete with attachments as illustrated.

T-810 .....$25 00

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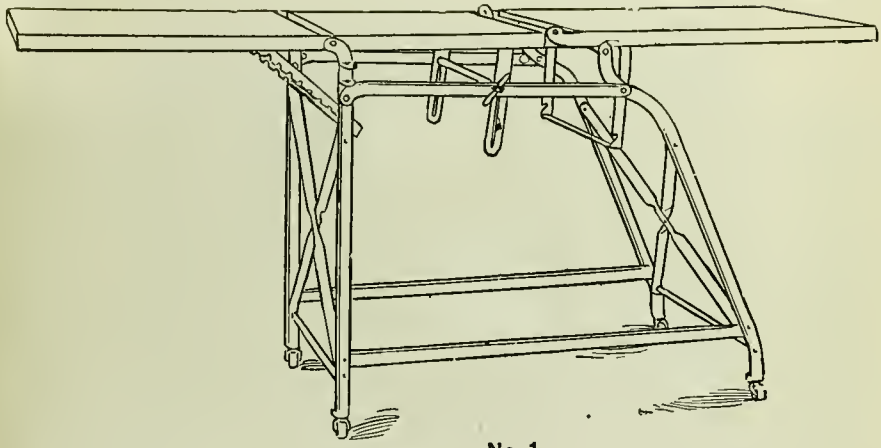
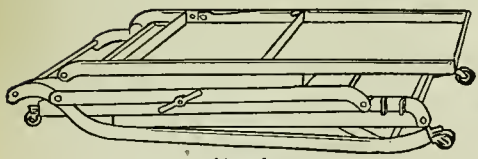


No. 1



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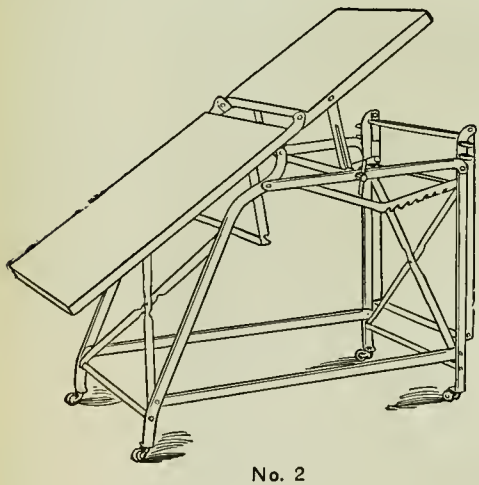

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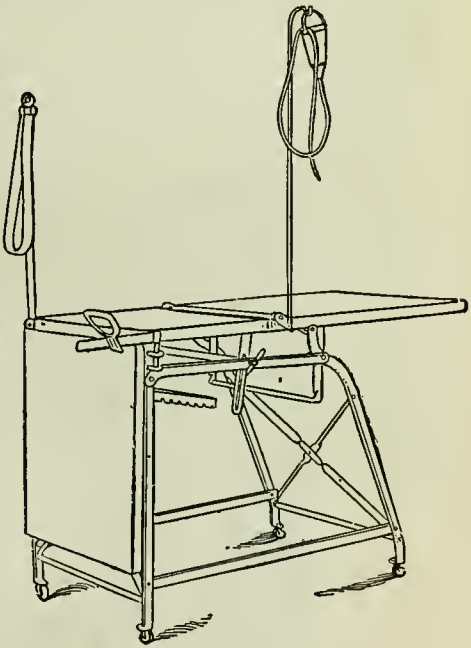


No. 3

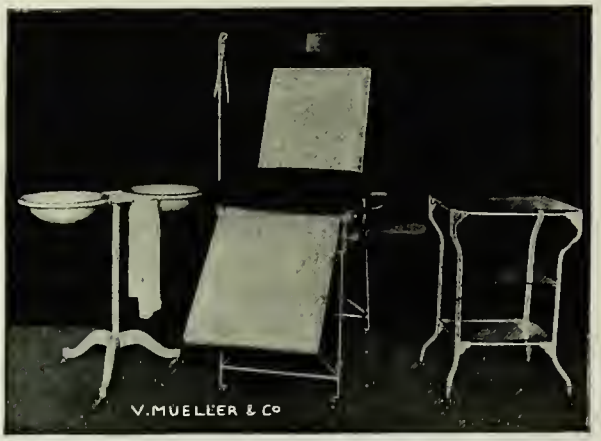
T-815

JUNIOR FOLDING EXAMINING AND OPERATING TABLE

The table illustrated above in various positions is the best table of this type that can be secured for the money. It is especially valuable to the surgeons practicing in the country and who are at times compelled to transport the operating table to the patients' house. The table is made of steel and malleable iron, well braced, thus making it as strong as a folding table can be made. It will sustain a weight of 300 lbs.

T-815 Junior table complete with lithotomy crutches, stirrups, ½ gallon percolator, tubing, cut-off and rod.....$18 00
T-815A Junior table, with lithotomy crutches and stirrups..... 16 00
T-815B Junior table, only, without lithotomy crutches or stirrups..... 14 00
Imitation leather cushions for junior table..... 4 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-820

V. MUELLER & CO.'S PHYSICIAN'S OFFICE OUTFIT No. 1

T-820 Office outfit consisting of the junior examining and operating table as described under T-815A $16 00
V. M. & Co.'s dressing and instrument stand T-290 ..... 7 00
Double revolving wash-stand T-675 ..... 7 00
Imitation leather cushion for junior table 4 00
Complete outfit as described above when ordered together. Special price, net cash 30 00

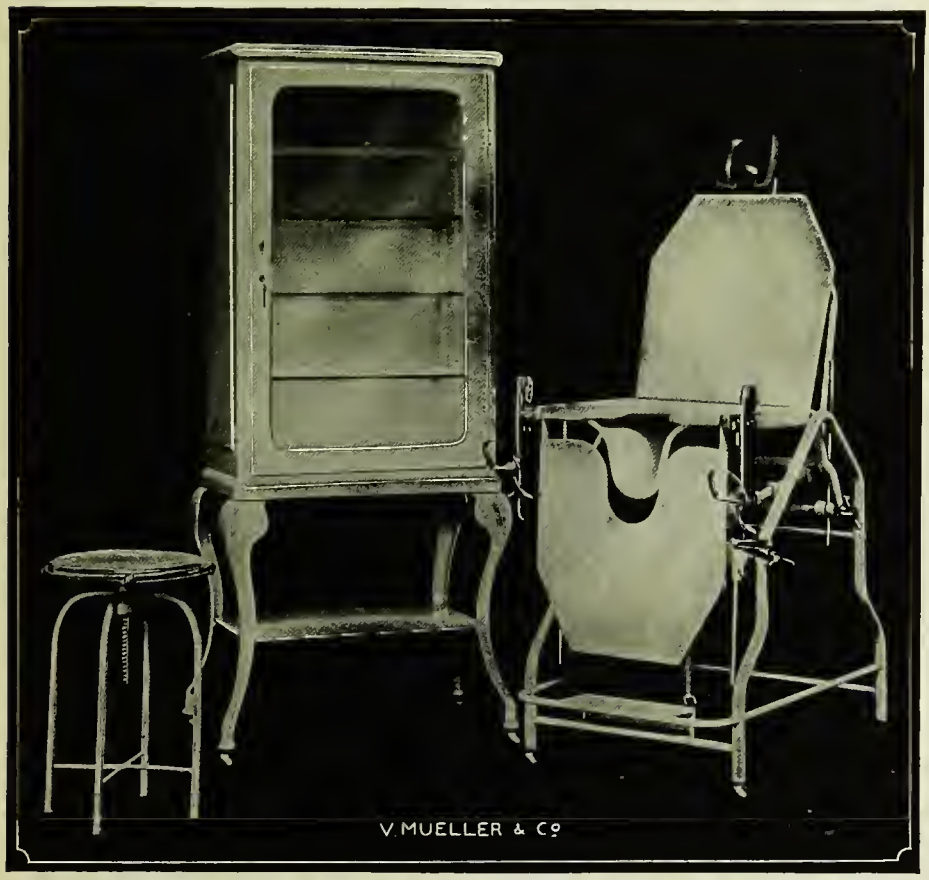


T-825

V. MUELLER & CO.'S SURGEON'S OPERATING ROOM OUTFIT

T-825 V. Mueller & Co.'s surgeons operating room outfit. The table in the above outfit is our improved Moscow table T-795. Equipped with leg holders, stirrups, shoulder braces and head-rest and can be placed in any position required for general surgery and examinations. Irrigator and immersion stand is of the most improved pattern and has two immersion basins and one dressing pan which is especially desirable in urethral irrigation, etc. One instrument table with top and two shelves, one sanitary operating stool, combination nickel plated sterilizing outfit for gauze, instruments and water. Complete outfit as described above when ordered together, special price, *net.* cash..... $110 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-830

V. MUELLER & CO.'S PHYSICIANS' OFFICE OUTFIT No. 2

T-830 The table included in this outfit is the Chicago examining and operating table described under T-805, and every position known to modern surgery can be easily and quickly obtained from this table. The operating stool is described under T-45. The instrument cabinet is described under T-360. It is made of heavy gauge sheet steel and of a very handsome design and finish. The whole outfit is carefully finished in white enamel and makes a handsome outfit for any physician's office at a very reasonable price. As the cabinet is made with double strength glass, plate glass or beveled plate glass and the table can be had with various attachments and consequently at various prices, the price for this outfit ranges, according to selection, from.....$75 00 to $100 00

MATERNITY BED



T-835

Pillars 1 1-16 in., cross rods ½ in., upright rods ⅜ in. Strong steel band bottom set 30 in. from floor. Height of head end 52 in.; height of foot end 38 in. Wood plugs instead of casters. Widths 2 ft., 6 in. and 3 ft. Length inside 6 ft., 6 in. Shipping weights 95 and 105 lbs.

This illustration shows the bed with head and foot sections joined, and fastened together by means of hooks on the upper cross rods of center legs.

See bed below with foot section removed, and with stirrups attached ready for use.

The detachable foot section can be set aside and may be utilized as a table.

T-835 Price 2 ft. 6 in.....$16 50
T-835A 3 ft. 17 50

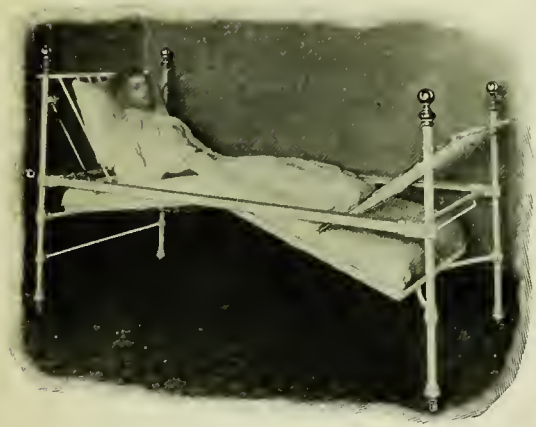
MATTRESSES FOR THE MATERNITY BED

Mattresses made in two parts can be furnished by us and prices will be quoted on application. Mention whether wanted in hair, elastic felt or other filling.

Any mattresses supplied by us will be well made and will properly fit the beds for which they are ordered.



T-835



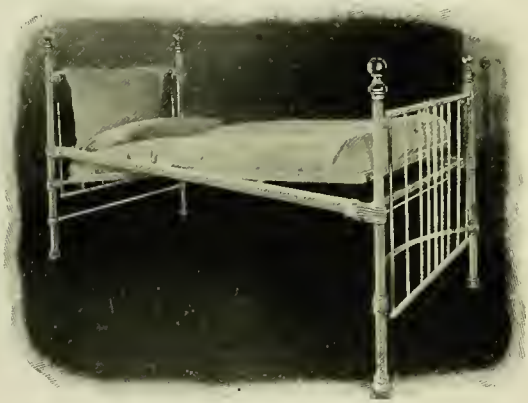
THE SUMMERS "SO-EASY" BED

The construction of this bed is such, that some 12 positions may be obtained entirely without discomfort to the patient and with but little labor on the part of the physician or nurse.

The adjustments are such, that the back rest, foot rest, irrigator staff, Buck's extension and a Morris chair position may be had.

There are no cranks, gears or chains to accumulate dirt and dust.

This bed has the endorsement of a number of hospitals and sanitariums, having been in use for some years past.





T-840

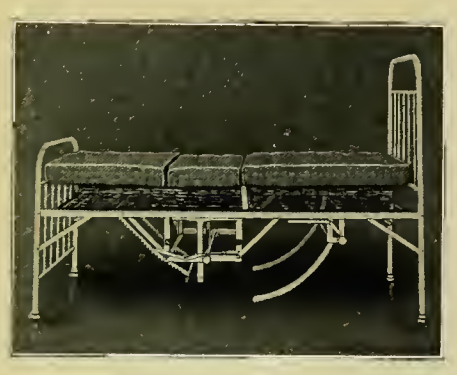
As will be noted from the illustration, no special mattress is required.

Distance from floor to fabric is 26 inches.

T-840 Price without mattress $27 50

Special discount to hospitals.

All beds are shipped f. o. b. St. Louis.



T-845

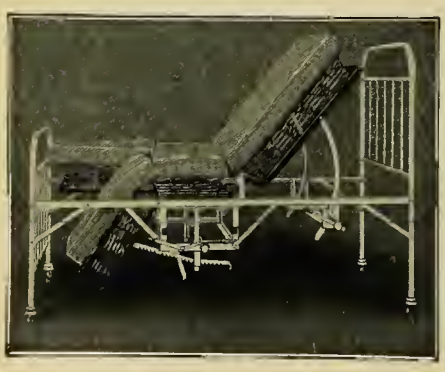
THE WALLACE ADJUSTABLE INVALID AND HOSPITAL BED

T-845 The Wallace invalid bed is an ideal hospital bed, it insures real rest for the patient and saves more than half the labor of nursing. The bed can be easily and instantly adjusted to practically every position one can obtain on an operating table, without inconvenience to the patient or undue strain and hard work on the part of the attendant. Middle section of the bed can be lowered for the use of bed or douche pan or a change of sheets and for this procedure no lifting or moving of the patient is necessary.

This bed solves the problem of drainage in pelvic and abdominal surgery, and fractures once set will give the surgeon no further worry, for the reason that the patient can be handled by the attendant without danger of displacement. This invalid bed is highly endorsed by physicians and nurses, for the reason that it simplifies bathing and surgical dressing, prevents bed sores and consequently hastens convalescence.



T-845



T-845

In obstetrical cases the bed is invaluable. As individual sheets are used for each section, the changing of linen is an easy matter and it can be accomplished without disturbing the patient. The bed is made entirely of metal practically indestructible, can be furnished japanned or in white enamel finish. Complete with best box type springs and high grade soft felt mattress $60 00

A discount from above price is allowed to doctors and hospitals.

A large stock is kept on hand at the factory for immediate shipment. All beds are shipped f. o. b. St. Louis, Mo.

Do not mutilate catalogue.—Specify section letter and number in ordering.

CASH DISCOUNTS

All prices shown in this catalog are subject to cash discount, *with the exception of such prices as are listed NET.*

Cash discount may be deducted if remittance is made by the tenth of the month following purchase.

All prices are f. o. b. Chicago or factory.

Section M—

Eye, Ear, Nose, Throat and Stomach.

Pages 5 to 18 and M-295 to M-300 . . . . . 6%

Hearing Apparatus, Pages 88 and 89 and M-3155 . . . . 50%

Ear Phones, Page 90 . . . . . Net

Pages 19 to 222 F 10%

With exception of E. S. I. Co's. instruments 5%

Section N—

Anæsthetic Apparatus, General Operating and Gynæcological instruments; Leather Goods.

Pages 223 to 382 . . . . . 10%

Section O—

Urethral, Bladder, Prostatic and Rectal Instruments.

Pages 383 to 448 . . . . . 10%

With exception of electrically lighted instruments.

Electrically lighted Instruments 5%

O-1140-A . . . . . Net

Section P—

Diagnostic Instruments, Laboratory Supplies, Syringes.

Pages 449 to 508 . . . . . 10%

With exception of pages 474 and 475 which are NET and electric centrifuges, 476 and 477 . . . . . 5%

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Balance of Section R 10%

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Pages 575 to 634 . . . . . 5%

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Discounts on high pressure sterilizers on application.

All prices in this catalogue listed NET are subject to no cash discount.

Prices are subject to change without notice.

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