

# SURGICAL CATALOGUE



**FRED HASLAM & CO., Inc.**

**83 PULASKI STREET**

**BROOKLYN : N. Y.**

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Illustrated Catalogue  
— OF —  
Surgical Instruments  
— AND OF —  
Allied Lines



Manufactured By

**FRED HASLAM & CO., Inc.**

83 Pulaski St.

BROOKLYN - - - NEW YORK



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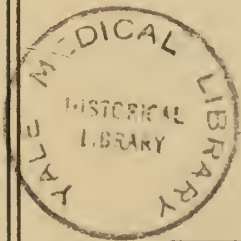
# 1917

All works of taste must bear a price in proportion to the skill, time, expense and risk attending their invention and manufacture. Those things called dear are, when justly estimated, the cheapest.

They are attended with much less profit to the artist than those which everybody calls cheap. A disposition for cheapness and not for excellence of workmanship is the most frequent and certain cause of the decay and destruction of arts and manufactures.

—*Ruskin*

W. R. Grady, Madison, Wisconsin



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1917

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# Introductory

Owing to the great advance in the cost of material, and a corresponding advance in the wages of labor within the past two years, it has become necessary to raise our prices, and, as future conditions may demand, to make other changes without further notice.

## Quality

In the construction of our instruments and apparatus, we follow only the approved patterns, the best methods of construction, and employ only the most expert labor. We guarantee every instrument and apparatus sold to be perfect in design, construction, material and finish. We stand ready at all times to replace, without expense to the purchaser, any article that proves defective in any of these qualities.

## Infallibility

We use every endeavor in our power to please our patrons. We are not infallible. Sometimes we make mistakes. If anything occurs which is not thoroughly satisfactory, please tell us promptly. We can not make corrections until we know of the error. It is an injustice both to you and to us to harbor an unsatisfactory incident and say nothing to us. We are always ready to meet and adjust any such error.

## Co-operation

We solicit not only your trade, but your ideas and suggestions. In order to secure the best results in any line of endeavor, co-operation is absolutely imperative. It is only by working together, and by our coming into closer contact with each other, that we can best serve the interests of humanity and unitedly build up our mutual reputations and business.

## Service

Service is a word that is badly abused, but we believe by conscientious effort on our part that we can make it stand for something more than mere talk, and we ask you in all sincerity to help us, by honest and, if necessary, severe criticism, when you think we have fallen short.

## Appreciation

We thank our patrons for their past favors and kindly interest, and we ask for a continuance of their favor on the lines of QUALITY, CO-OPERATION and SERVICE.

**FRED HASLAM & CO., Inc.**

# A n U n d e r s t a n d i n g



REIGHT shipments are F. O. B. New York. Express shipments from Brooklyn leave on same trains as shipments from New York and rates are identical.

We are not responsible for any loss or breakage of instruments when ordered sent by mail.

No goods can be returned to us without our permission.

When ordering please be explicit, not only in giving name, address and shipping directions, but in specifying the articles wanted by giving name, section letter and number. When two or more sizes are listed under one number please be careful to state the size desired.

Unless otherwise ordered all goods will be sent by express, except in cases where small articles go cheaper by mail, when the postage will be charged on the bill. Whenever requested to do so we shall be glad to accommodate by prepaying transportation charges and entering the same upon the bill.

Orders from parties unknown to us should be accompanied by the cash or satisfactory references.

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.

All prices listed are net, except where special discounts are mentioned.

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.

Search all packing carefully before claiming shortages. We make no charge for boxing or packing.

FRED HASLAM & CO., Inc.



## Section "A"

Dissecting and Post Mortem Instruments

Diagnostic Instruments and Apparatus

Microscopes and Microscopic Accessories

Laboratory Apparatus and Glass Ware

Apparatus for Blood and Urine Analysis

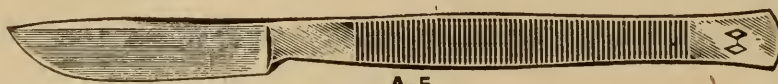
Apparatus for Phlebotomy, Cupping and  
Leeching

Apparatus for Infusion and Transfusion

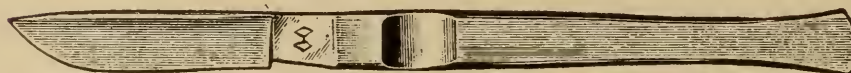
Syringes for Aspiration and Injection

Osteological Preparations

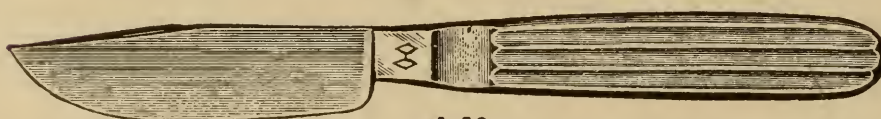
## DISSECTING AND POST MORTEM



A-5



A-12



A-10



A-13



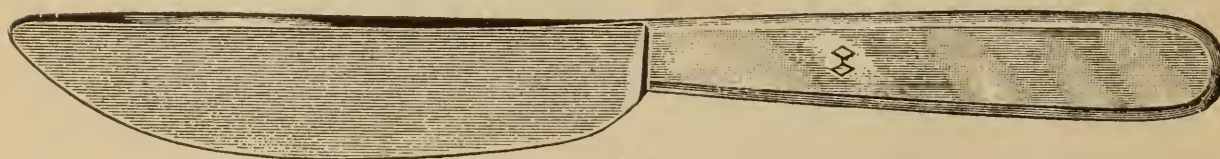
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A-15




A-20

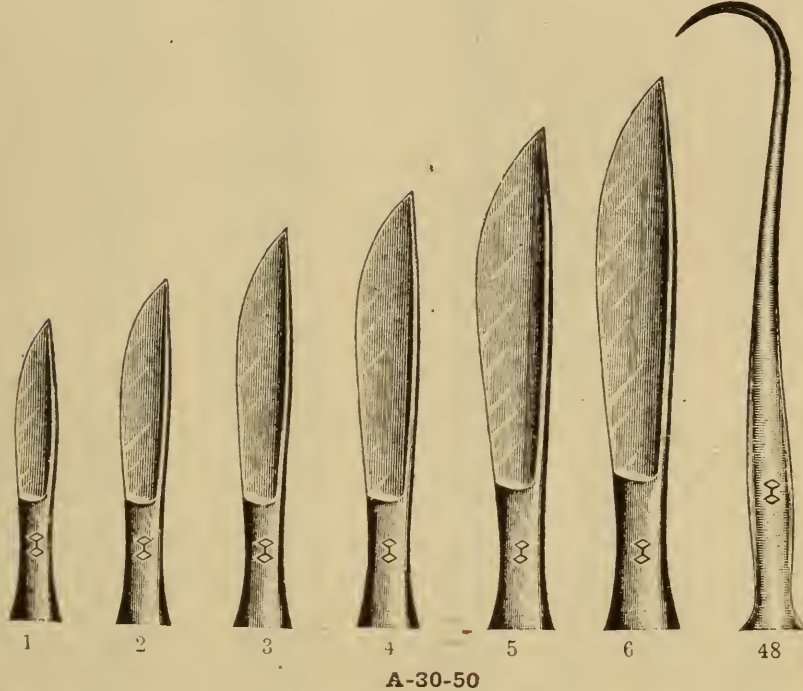


A-14

DISSECTING AND POST MORTEM



A-40



1 2 3 4 5 6 48

A-30-50

**DISSECTING AND POST MORTEM INSTRUMENTS**

**BRAIN KNIVES**

A-1 Virchow's, hollow metal handle, 6 3/8 in., \$2.75;  
9 1/2 in. ....\$4.00

**CARTILAGE KNIVES**


A-5 Plain, all steel, serrated handle..... .75  
A-10 American pattern, hollow metal handle..... 2.25  
A-12 English pattern, hollow metal handle..... 1.50  
A-13 Virchow's, hollow metal handle..... 2.50

**DISSECTING KNIVES**

\*A-25 Knife for large dissections..... 2.75  
\*A-30 Scalpels, ebony handle..... .40  
\*A-35 Scalpels, all steel..... .60  
A-40 Scalpels, all steel, finest quality..... .90  
\*A-50 Tenaculum, ebony handle..... .40  
\*A-55 Tenaculum, all steel..... .60  
A-60 Tenaculum, all steel, finest quality..... .90

**POST MORTEM KNIVES**

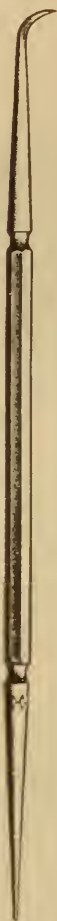
A-14 McCallum's, hollow metal handle..... 4.25  
A-15 Virchow's, bellied blade, hollow metal handle.... 2.60  
A-16 Virchow's, large bellied blade, hollow metal han-  
dle ..... 2.50  
A-20 Virchow's, center point, hollow metal handle..... 2.50  
\*A-22 Walb's, extra large, ebony handle..... 4.50



A-1



## DISSECTING INSTRUMENTS



A-150



A-140



A-145



A-92



A-94



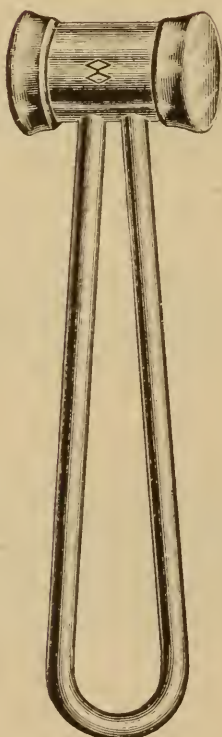
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A-93



A-66



A-116



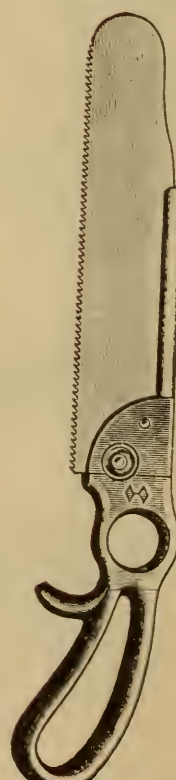
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A-105

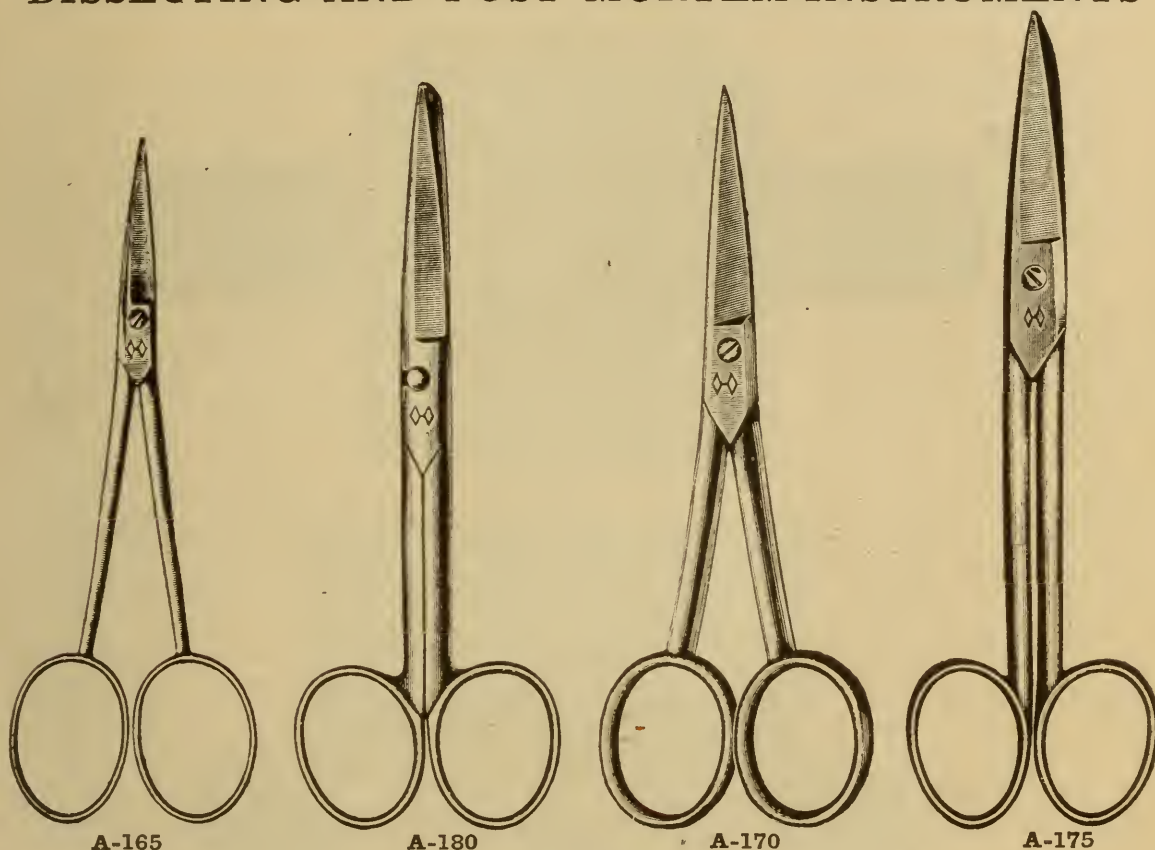


A-100



A-155

## DISSECTING AND POST MORTEM INSTRUMENTS



A-165

A-180

A-170

A-175

## BLOW PIPES

*A-65	Plain .....	\$0.10
A-66	Plain, with mouthpiece.....	.15

## CHISELS

*A-75	Brunetti's, right .....	3.00
*A-80	Brunetti's, left .....	3.00
*A-85	Costotome .....	2.25
A-86	Haslam's, 3 widths.....	1.00
*A-90	Rachitome .....	2.25
A-92	Von Brun's .....	1.25

## GOUGES

A-93	Haslam's, 3 widths.....	1.15
A-94	Von Brun's, 3 widths.....	1.50

## FORCEPS

A-100	Fine, broad points.....	.55
A-105	Fine, narrow points.....	.55
A-110	Plain, broad points.....	.50

## MALLETS

*A-115	All steel, hooked handle.....	2.25
*A-117	Rawhide, wood handle.....	.85
A-116	Morgan's, bronze, non-rebounding.....	2.00
*A-120	Virchow's .....	2.25

## HOOKS

*A-125	Calvarian .....	1.25
*A-130	Chain, triple .....	.20

## NEEDLES

*A-135	Straight, dissecting .....	Per dozen 1.75
*A-136	Half curved, dissecting.....	Per dozen 1.75
*A-137	Double curved, dissecting.....	Per dozen 2.00

## PROBES

A-140	University of Chicago pattern.....	.30
A-145	Johns Hopkins' pattern.....	.40
A-150	Seeker .....	.40

## REAMERS

*A-147	Post mortem .....	2.25
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## SAWS

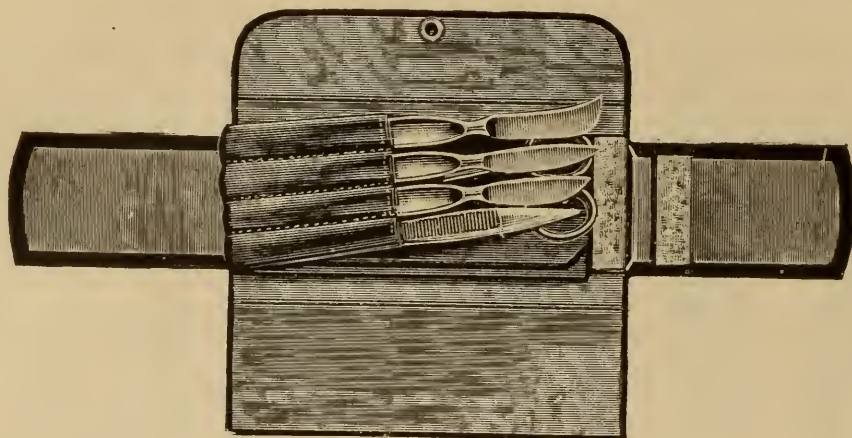
A-155	Charriere's, 6-inch blade.....	2.00
A-160	Charriere's, 8-inch blade.....	2.50

## SCISSORS

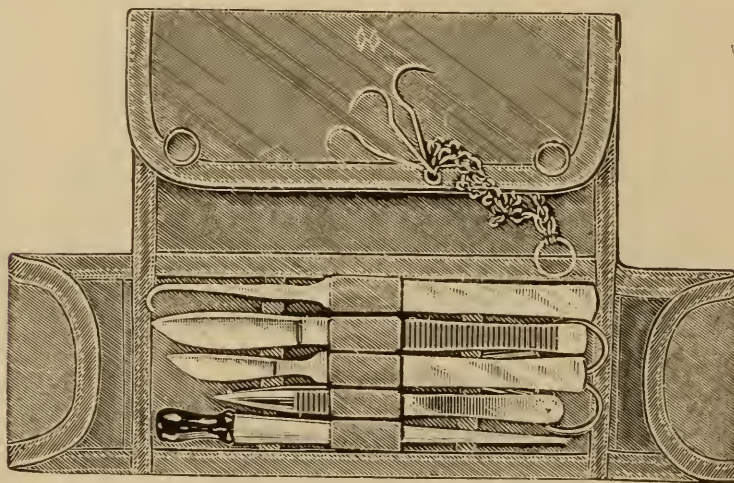
A-165	Scissors, fine quality, 4½-inch.....	.60
A-170	Scissors, plain, 4½-inch.....	.75
A-175	Scissors, heavy, 6-inch.....	1.00
A-180	Scissors, fine, 4½-inch.....	.75
*A-183	Scissors, curved, 4½-inch.....	.85



## DISSECTING AND POST MORTEM INSTRUMENTS



A-185



A-226



A-250



## DISSECTING AND POST MORTEM CASES

## DISSECTING CASES

- A-185 Vest Pocket Case. The cutting instruments in this neat and compact case are superior to those usually put in dissecting sets, being made of the best English steel and hand forged. The blades are the most approved patterns for fine work. Contents: 3 special knives or 2 special knives and 1 tenaculum, 1 forceps, 1 fine scissors, 1 set chains and hooks, in fine leather case, with tilting flap for knives. Price.....\$5.00

## POLISHED WOOD CASE

- \*A-210 No. 1. Case, with metal handle instruments..... 2.50  
 \*A-215 No. 2. Case, with metal handle instruments..... 2.75  
 \*A-220 No. 3. Case, with metal handle instruments..... 3.00  
 \*A-225 No. 4. Case, with metal handle instruments..... 3.25

## POLISHED METAL CASE

- \*A-212 No. 1. Case, with metal handle instruments..... 2.75  
 \*A-217 No. 2. Case, with metal handle instruments..... 3.00  
 \*A-219 No. 3. Case, with metal handle instruments..... 3.25  
 \*A-224 No. 4. Case, with metal handle instruments..... 3.50

## KHAKI ROLLS, UNIVERSITY

- A-226 No. 1. Case, with metal handle instruments..... 2.50  
 \*A-227 No. 2. Case, with metal handle instruments..... 3.00  
 \*A-228 No. 3. Case, with metal handle instruments..... 3.50

## LEATHER CASE

- A-221 No. 2. Case, with metal handle instruments..... 3.50

## CONTENTS OF DISSECTING CASES

- No. 1. Dissecting Case, contains: 1 scalpel, 1 tenaculum, 1 cartilage knife, 1 forceps, 1 scissors, 1 set chain hooks, 1 blow pipe.  
 No. 2. Dissecting Case, contains same as No. 1 with 1 scalpel added.  
 No. 3. Dissecting Case, contains same as No. 2 with 1 scalpel added.  
 No. 4. Dissecting Case, contains same as No. 3 with 1 scalpel added.

## POST MORTEM CASES

- A-250 Twentieth Century Post Mortem Case. Contents: 4 best quality scalpels, 1 heavy cartilage knife, 1 reamer, 1 enterotome scissor, 1 calvarian hook, 1 bone chisel, 1 blowpipe, 1 amputating knife, 1 small cartilage knife, 1 dissecting scissor, 1 steel hammer, 1 amputating saw, 1 rachiotome, 1 set chain and hooks, 3 post mortem needles and ligatures. All on a finely nickel-plated rack—no solder being used—thus rendering it capable of being thoroughly sterilized for protection of operator. The case is leather covered with nickel trimmings, having a very comfortable handle .....35.00
- A-251 U. S. Army Post Mortem Set, in oak case, leather lined. Contents: 1 U. S. A. knife, 1 scalpel, 1 chisel and 1 saw fitting one handle, 4 dissecting scalpels, metal handles, 1 tenaculum, metal handle, 2 dissecting scissors, 1 dissecting forceps, 1 triple chain and hook, 1 blowpipe, needles and silk. Each .....20.00
- A-252 U. S. Marine Hospital Post Mortem set, in oak case, wood blocked. Contents: 2 dissecting scalpels, metal handles, 1 tenaculum, metal handle, 1 cartilage knife, metal handle, 3 Virchow's cartilage knives, 1 rachiotome, 1 costotome, 1 Charrière's blade saw, 1 enterotomy scissors, 1 dissecting scissors, 1 artery scissors, 1 dissecting forceps, 1 rawhide mallet, 1 director and tongue tie, 1 blowpipe, needles and silk. Each....26.50
- A-253 Post Mortem Set, small, in oak case, leather lined. Contents: 4 dissecting scalpels, metal handles, 1 cartilage knife, metal handle, 2 grappling hooks, double prongs, 1 Charrière's blade saw, 1 steel hammer, 1 post mortem chisel, 1 dissecting scissors, 1 probe point, 1 dissecting forceps, 2 probes, fine, 2 blowpipes, needles and silk. Each.....17.50

DIAGNOSTIC



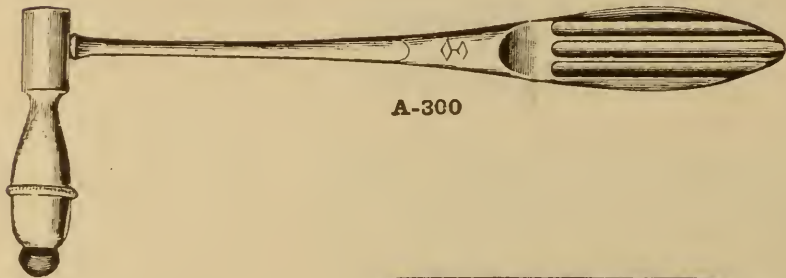
A-310



A-320



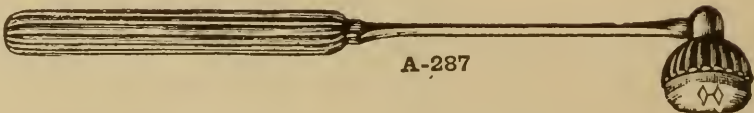
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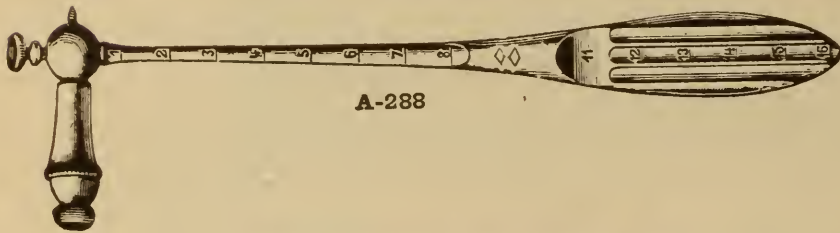
A-300



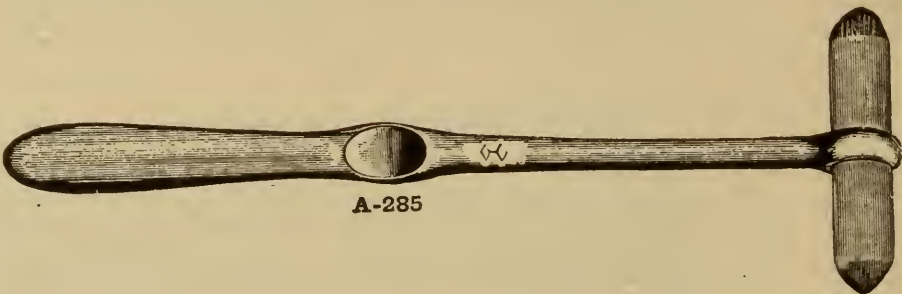
A-330



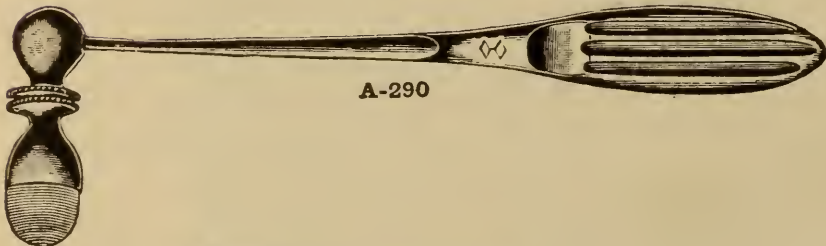
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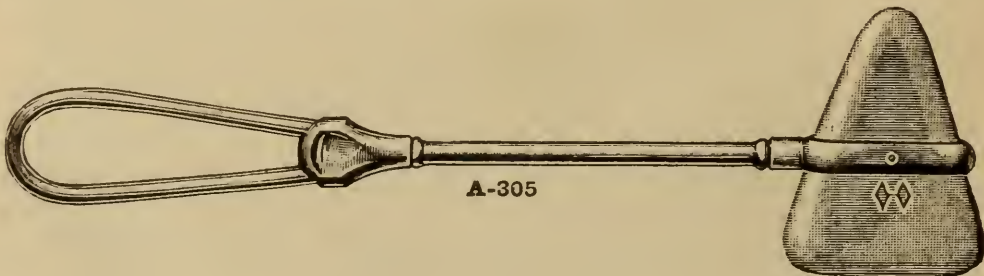
A-288



A-285



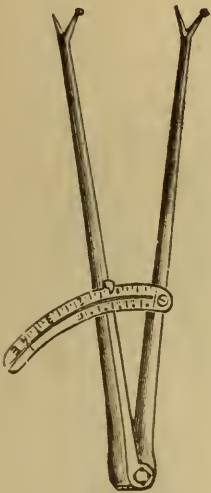
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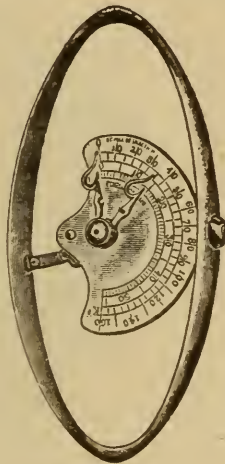
A-305



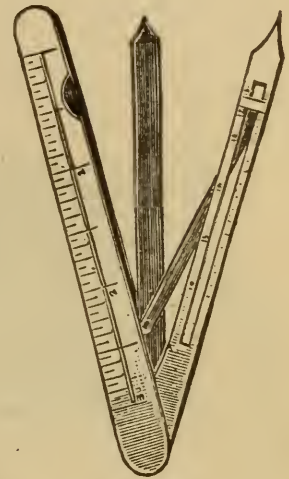
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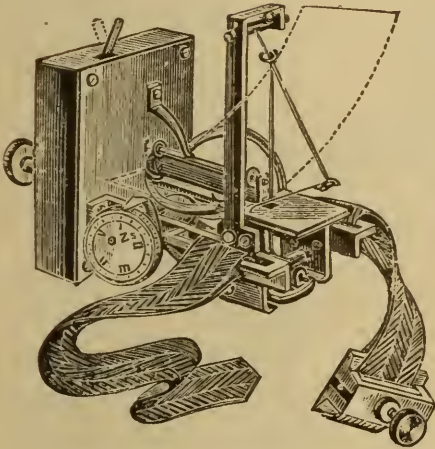
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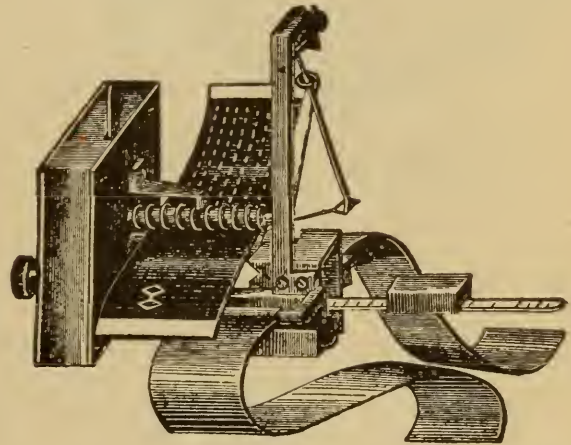
A-265



A-260



A-340



A-345

AETHESIOMETERS

A-255	Carroll's .....	\$4.00
*A-257	Hammond's .....	4.00
A-260	Vance's .....	5.00

DYNAMOMETERS

A-265	Collins' .....	8.50
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PERCUSSORS

*A-275	Bartlett's .....	1.00
*A-280	Finger, metal .....	.75
A-282	Finger, hard rubber .....	.60
A-285	Flint's, metal handle .....	.90
*A-286	Flint's, extra large .....	1.25
A-287	Gibbon's, metal handle .....	1.50
A-288	Graduated, metal handle .....	2.25
A-290	Niemayer's, solid handle .....	1.50
*A-295	Salz's, folding .....	2.50
A-300	Traube's, metal handle .....	1.10
A-305	Taylor's, heavy, metal handle .....	1.50

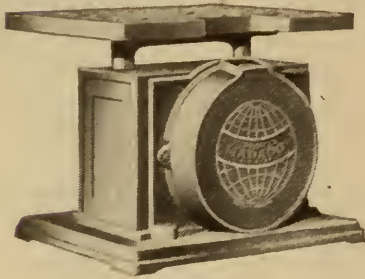
PLEXIMETERS

A-310	Hard rubber, oval shape .....	.25
A-320	Hesse's, glass .....	.50
A-330	Struck's, hard rubber .....	.40

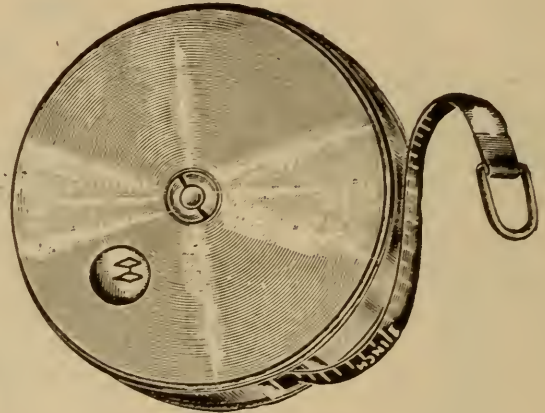
SPHYGMOGRAPHS

A-340	Dudgeon's .....	25.00
A-345	Richardson's .....	27.50

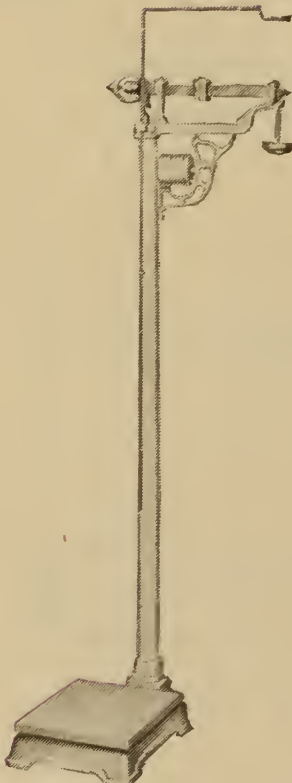
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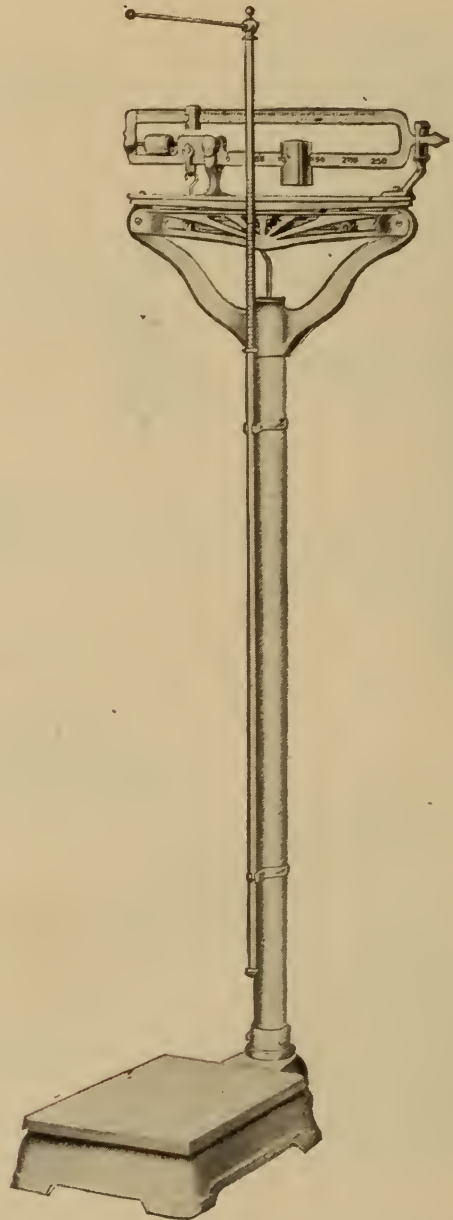
A-402



A-609-a-b



A-403



A-404



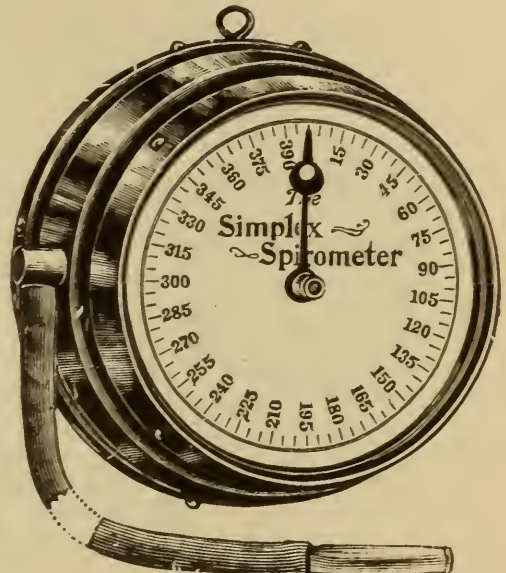
## DIAGNOSTIC



A-401



A-398



A-376

## SPIROMETERS

*A-375	Simplex, aluminum bronze finish.....	\$ 4.50
A-376	Simplex, nickel-plated finish.....	7.00

## TAPE MEASURES

*A-608	Linen, 1 meter long.....	.40
*A-608a	Linen, 1½ meters long.....	.50
*A-608b	Linen, 2 meters long.....	.60
A-609	Steel, 1 meter long.....	.80
A-609a	Steel, 1½ meters long.....	1.00
A-609b	Steel, 2 meters long.....	1.25

## RULES

*A-397	Boxwood, 1 meter, folding.....	.50
A-398	Steel, 1 meter, folding.....	.90

## MEASURING ROD

A-401	Douglass', improved (circular on request).....	3.50
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## WEIGHING SCALES—"THE IMPROVED MADACO"

A-402	The "Improved Madaco" employs the perfect mechanical principle used in the Automobile Speedometer. Correct weight is instantly ascertained by glancing in the glass aperture set into the top of the outer case, which covers a revolving dial clearly marked with the regular graduations. Capacity, 250 lbs. Platform, 8x10 inches. Height, 8 inches. Weight, 30 lbs. Price.....	10.00
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## THE "CORONA" PHYSICIAN'S SCALE

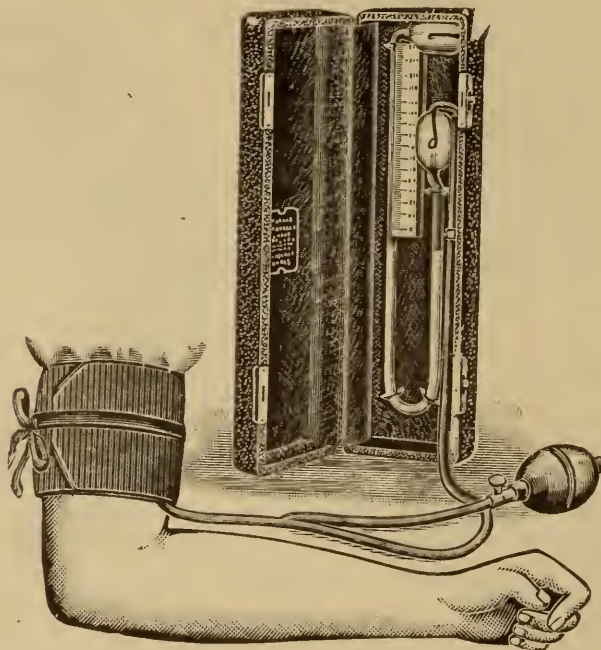
A-402.	Description—The "Corona" is one of the handsomest Physician's or Bathroom scales we make. The beam is heavy brass, nickel plated. Beams graduated ¼ lb. x 25 lbs. The measuring rod, weights and weight rack are also nickel plated, giving the scale a very handsome appearance. Specifications—The "Corona" has a capacity of 300 lbs. Platform is 10½x13½ in; height, 55 in. Shipping weight, boxed, approximately 80 lbs. Prices: "Corona," including measuring rod.....	18.00
	Rubber mat for platform (net extra).....	.50

## THE "DE LUXE" PHYSICIAN'S SCALE

A-404	The "De Luxe" Compound Beam Scale; no loose weights. Specifications—The capacity is 300 lbs., all shown on the beams. Height, 58 in.; platform, 10½x13½ in. Weight approximately 85 lbs., boxed for shipment. Upper bar graduated ¼ lb. x 50 lbs. Lower bar graduated 250 lbs. x 50 lbs., notched. Prices: "De Luxe" Scale without measuring rod.....	22.50
	Nickel-plated brass telescope measuring rod.....	4.50
	Rubber platform mat (net extra).....	.50



## DIAGNOSTIC



A-356

**THE "BROWN SPHYGMOMANOMETER"**

A-356. Designed by E. M. Brown, M. D., Associate Professor of Surgery,  
P. & S., Chicago

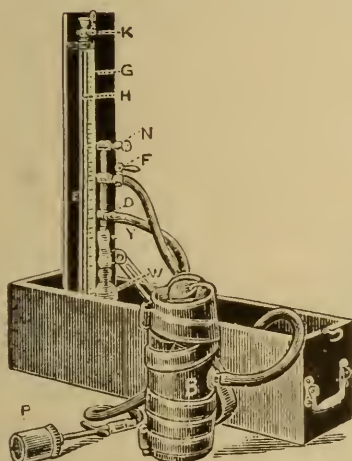
It is the wish of the designer of this instrument to give the profession the benefit of the sum usually paid as royalty. We are therefore enabled to sell the instrument at a comparatively low price.

**ADVANTAGES**

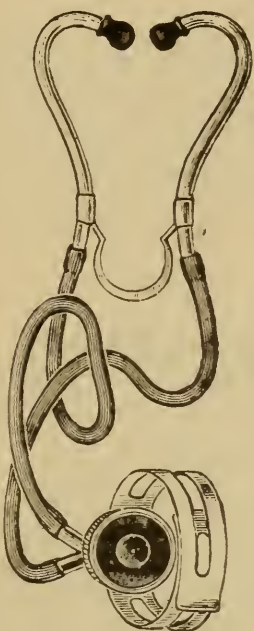
Has the only glass manometer tube out of which mercury cannot be shaken; mercury comes in contact with glass only; simplicity of the arm band construction; only one connection between the arm band and instrument is necessary as against two and three in other instruments; guaranteed accuracy; registers to 300 mm.; made in four sizes.

A-356	No. 1.	Office size (14x3 $\frac{3}{4}$ x4 in.)	.....\$15.00
A-356A	No. 2.	Pocket size (13x3 $\frac{3}{4}$ x2 $\frac{1}{2}$ in.)	..... 13.50
A-356B	No. 4.	Pocket size (11x3 $\frac{3}{4}$ x2 $\frac{1}{2}$ in.)	..... 12.00
A-356C	No. 5.	De Luxe (13x3 $\frac{3}{4}$ x2 $\frac{1}{2}$ in.)	..... 18.00

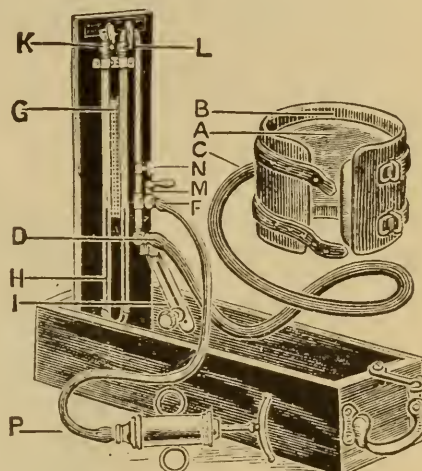
## DIAGNOSTIC



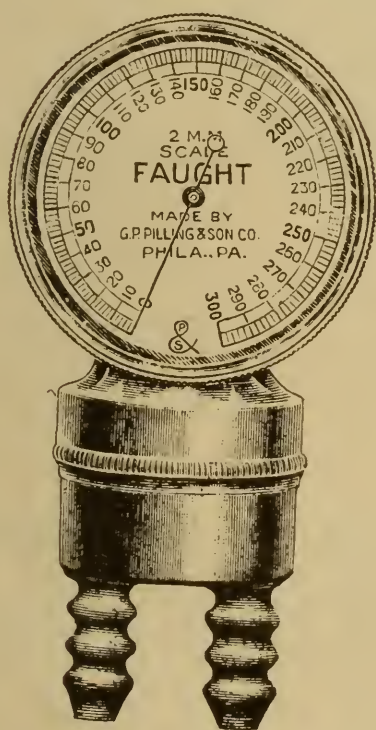
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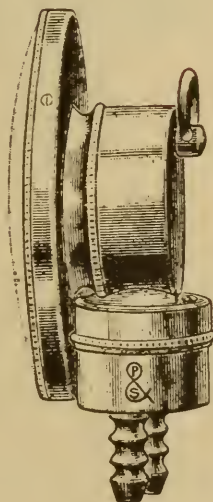
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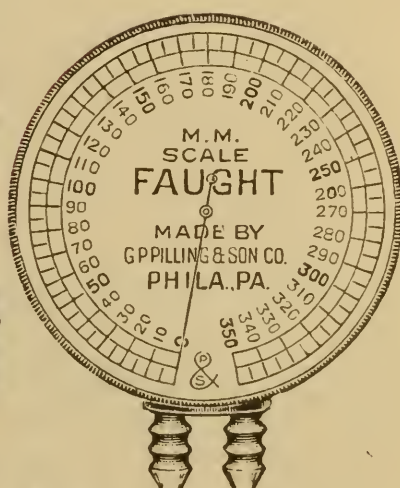
A-347



A-352



A-353



## THE "FAUGHT" SPHYGMOMANOMETERS

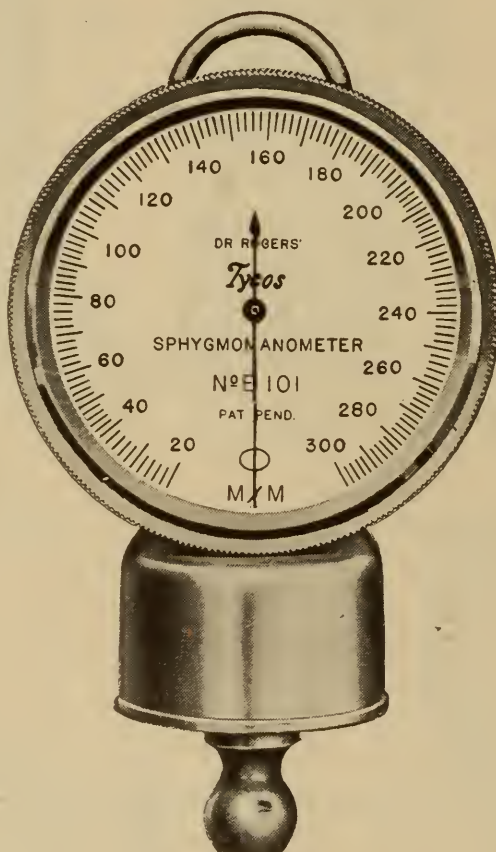
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|--------|---|---------|
| A-347  | Faught's, mercury, complete with pump and arm band, in case. Net....  | \$20.00 |
| A-351  | Pilling's Special, No. 1, mercury, complete with pump and arm band, in case. Net.....   | 15.00   |
| *A-348 | Fedde's Indicator, for diastolic pressure. Can be attached to the Faught sphygmomanometers. Net .....   | 7.50    |
| A-352  | Faught, pocket, aneroid, readings from 0 to 300 mm. hg. Complete with arm band and pump, in case. Net.....  | 22.50   |
| A-353  | Faught, clinical, aneroid. Similar in mechanism to the pocket instrument, except in that the dial is much larger, making it valuable for clinical purposes, as it is easily read. Readings from 0 to 350 mm. Complete with arm band and pump, in case. Net..... | 27.50   |
| A-354  | Pilling Stamp Bracelet Stethoscope, for auscultatory blood pressure. Net .....  | 5.00    |

## DIAGNOSTIC

### A-371 TYCOS (DR. ROGERS) SPHYGMOMANOMETER

**"BLOOD PRESSURE READINGS taken from ANY INSTRUMENT OF UNKNOWN ACCURACY are WITHOUT VALUE IN DIAGNOSIS."**

**THE TYCOS SPHYGMOMANOMETER IS SELF VERIFYING**



Exact Size

The TYCOS SPHYGMOMANOMETER IS SELF VERIFYING. It ANSWERS the question of ACCURACY by a glance at the dial each time of use. When the manometer is right, and not under pressure, THE HAND RESTS WITHIN THE OVAL ZERO. When it does not rest within the oval zero the instrument is wrong.

ALL OTHER SPHYGMOMANOMETERS, irrespective of type or make, must first be compared with another instrument of known accuracy before the VITAL QUESTION of CORRECTNESS can be definitely answered.

#### POINTS OF SUPERIORITY

1. Self Verifying. 2. Non-Adjustable Dial. 3. Permanent Fixed Zero. 4. Unequaled Accuracy. 5. Standardized and Engraved Dial Scale. 6. Full Jeweled Movement. 7. Protection Against Over-Inflation. 8. Easy Reading Scale. 9. One-Way Manometer Connection. 10. Unaffected by Temperature. 11. Unaffected by Atmospheric Changes. 12. Simplicity of Operation. 13. Washable Arm Sleeve. 14. Pressure Bag of Standard Dimensions. 15. Perfect and Instant Pressure Control. 16. Durability. 17. Portability. 18. The TYCOS makers. 19. TYCOS SERVICE.

#### INFORMATION

The TYCOS Blood Pressure Manual sent by mail at once upon request.

#### PRICE

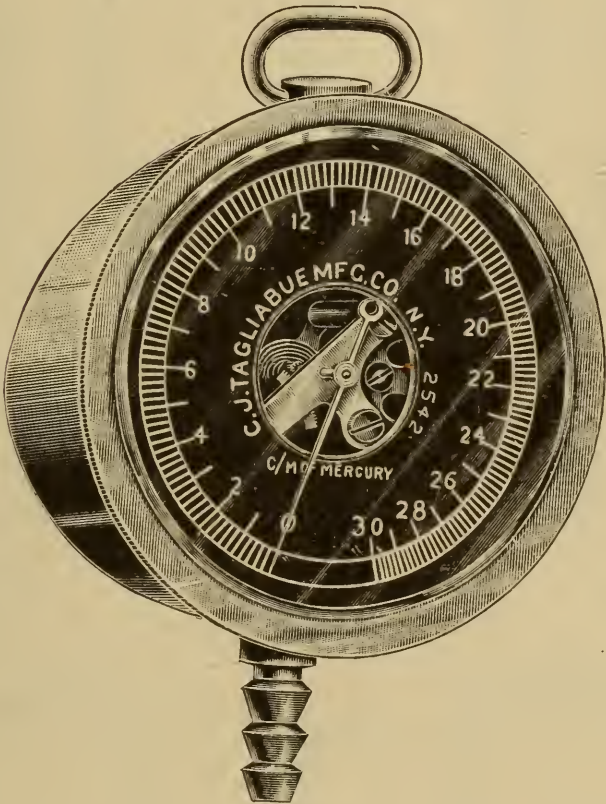
Complete with carrying case and sterilizable sleeve. Net.....\$25.00



DIAGNOSTIC



**A-377 THE TAG SPHYGMOMANOMETER IS AN EXCEEDINGLY EFFICIENT INSTRUMENT**



A-377

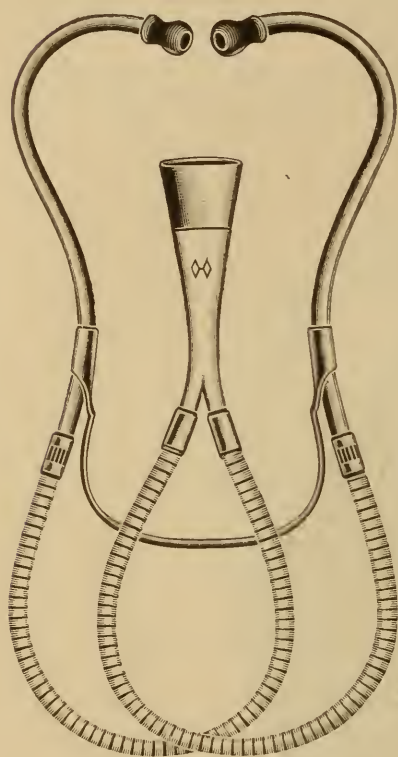
**FIFTEEN REASONS WHY THE TAG SPHYGMOMANOMETER SHOULD BE THE INSTRUMENT OF YOUR CHOICE**

**GAUGE**—1. It cannot be pumped beyond its maximum indications. 2. **Diastolic pressure** is always accurately determined by our improved micrometer valve. 3. The **unusually large dial** allows less crowded graduations—hence easier reading. 4. **Each scale is individually graduated** on our precision dividing engines. 5. **Internal mechanism** is of utmost simplicity and free from any lost motion. 6. The case is gold-plated and has a finely-frosted finish. 7. The gauge lies flat on the arm, placing dial at right angles to line of operator's vision. **ARM-SLEEVE**—8. The rubber pressure bag is removable and replaceable. 9. Pressure bag holder is made of the finest suede leather. 10. The extension of the pressure bag holder is of special moire-canvas. 11. The strap and buckle of the pressure bag holder is equipped to readily and securely apply the proper degree of tightness. 12. **All parts are interchangeable** and can be renewed at moderate cost. **MICROMETER VALVE**—13. **Instant pressure release** is made possible by our specially devised push-button feature. 14. The container is of **genuine leather** inside and out and easily slips into the coat pocket. 15. It is **built and guaranteed** by a **manufacturer** of scientific instruments of **national reputation** and sold by all reliable surgical instrument dealers.

A-377 The Tag Sphygmomanometer, complete with sleeve and bulb, in a rich, compact leather case.....\$21.50



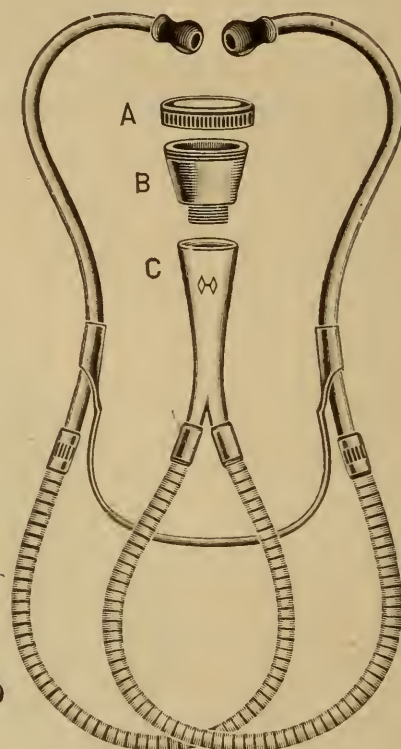
## DIAGNOSTIC



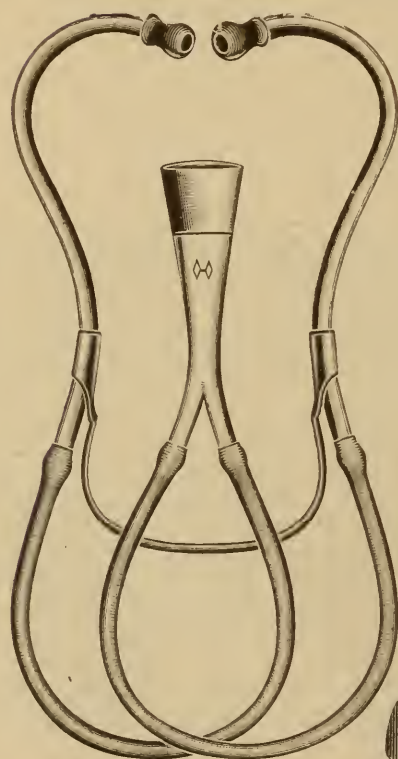
A-471



A-385



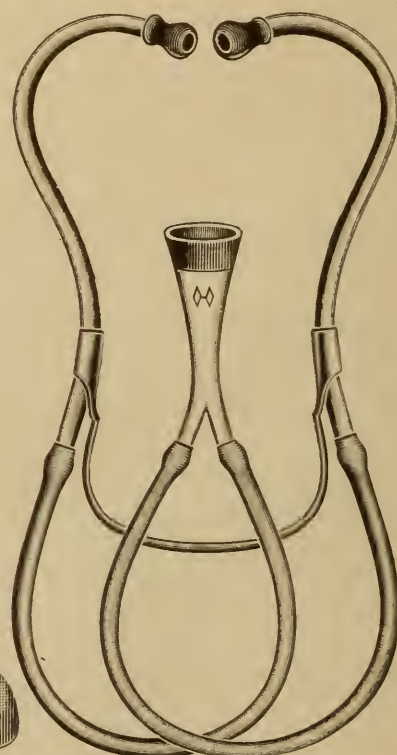
A-431



A-472

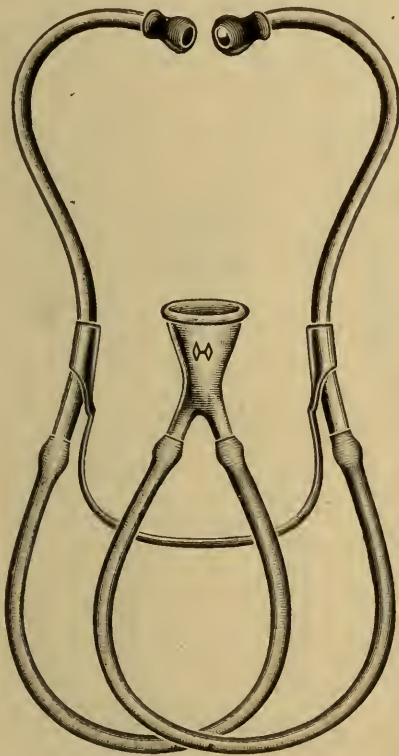


A-406



A-485

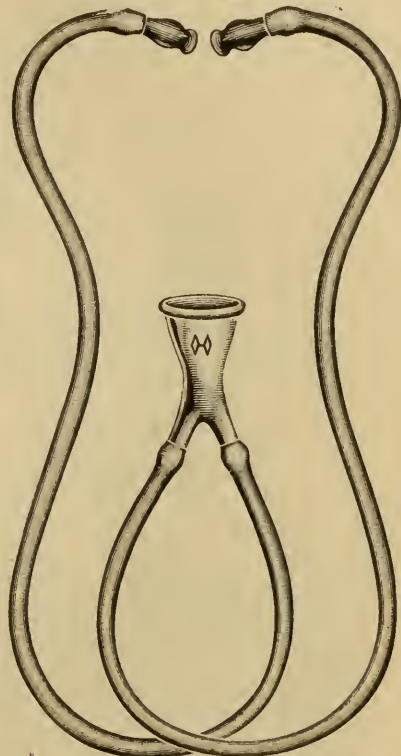
## DIAGNOSTIC



A-445



A-400



A-405

## STETHOSCOPES—SINGLE

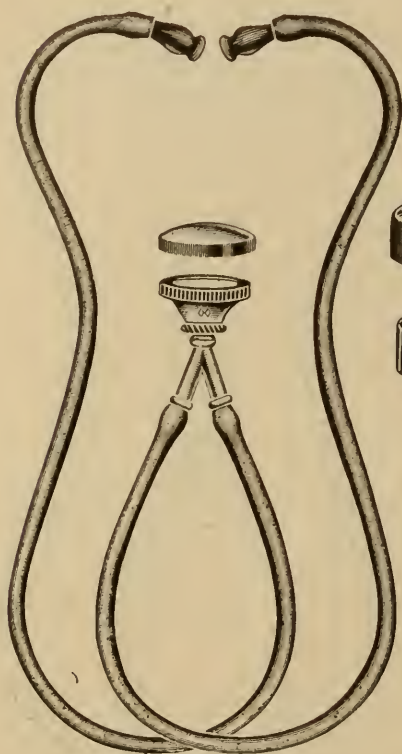
A-385	Hawksley's, metal stem and bell, hard rubber ear plate.....	\$1.25
A-406	Hawksley's, metal stem and bell, celluloid ear piece.....	1.75
*A-395	Separable .....	1.75
A-400	Telescopic, all metal.....	1.75

## STETHOSCOPES—BINAURAL

A-405	Acme .....	\$1.75
*A-408	Albion (same as Tiemann's).....	3.00
*A-415	Camman's, with elastic spring.....	2.25
*A-420	Camman's, with flat metal spring.....	2.25
*A-425	Camman's, with spiral spring.....	2.25
*A-430	Camman's, folding .....	3.50
A-431	Combination, flexible metal tubing, aluminum bell and diaphragm.....	3.00
*A-432	Combination, soft rubber tubing, aluminum bell and diaphragm.....	3.00
*A-437	Ford's .....	3.00
A-445	Ideal, metal ear tubes, soft rubber connecting tubes.....	2.25
A-471	Post Graduate, flexible metal tubing.....	3.00
A-472	Post Graduate, soft rubber tubing.....	3.00
*A-480	Sheppard's, folding .....	3.00
A-485	Snofton's, soft rubber tubing.....	1.50
*A-488	Tiemann's (same as Albion).....	3.00



## DIAGNOSTIC



A-607

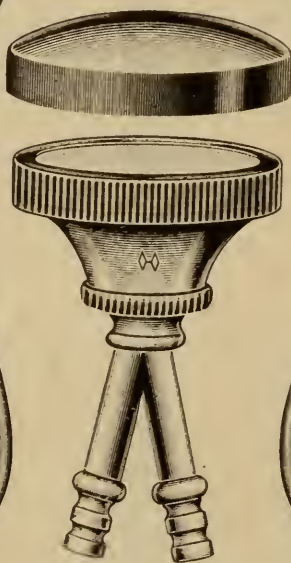
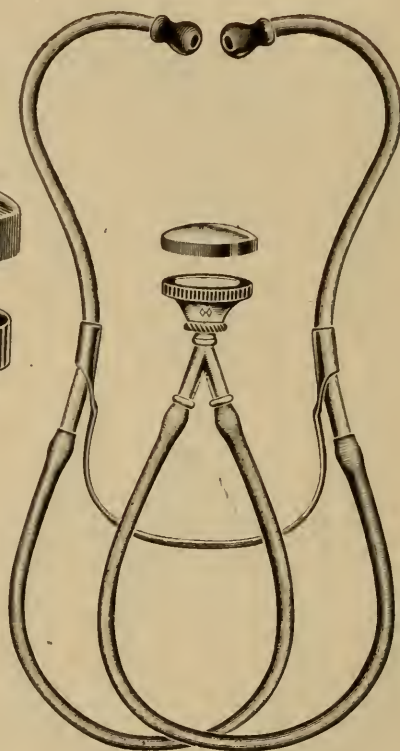
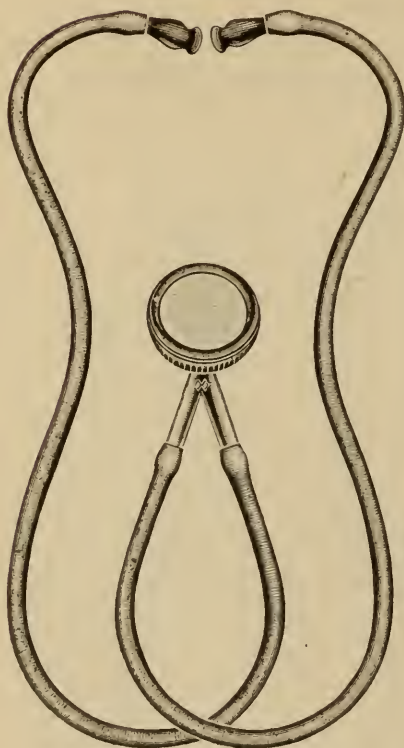


Fig. A



A-606



A-602

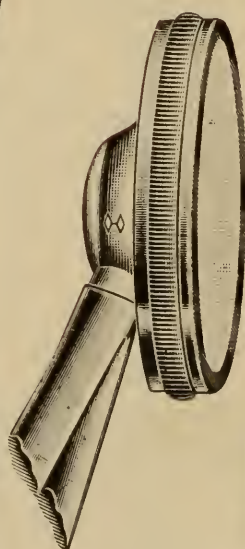
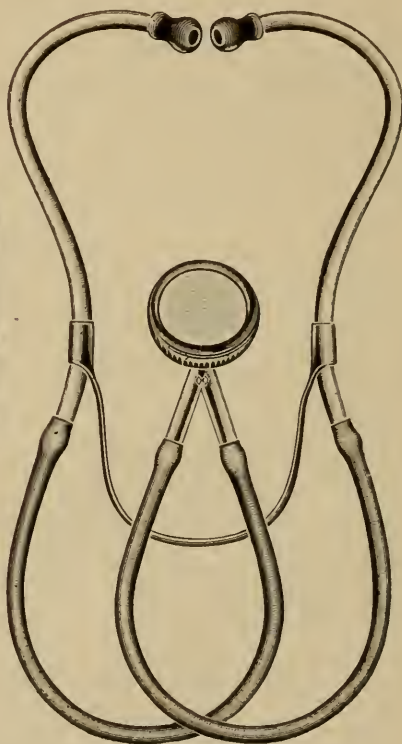


Fig. B



A-604

Fig. A shows full size of Pulaski diaphragm.  
 Fig. B. shows full size of Douglass diaphragm.

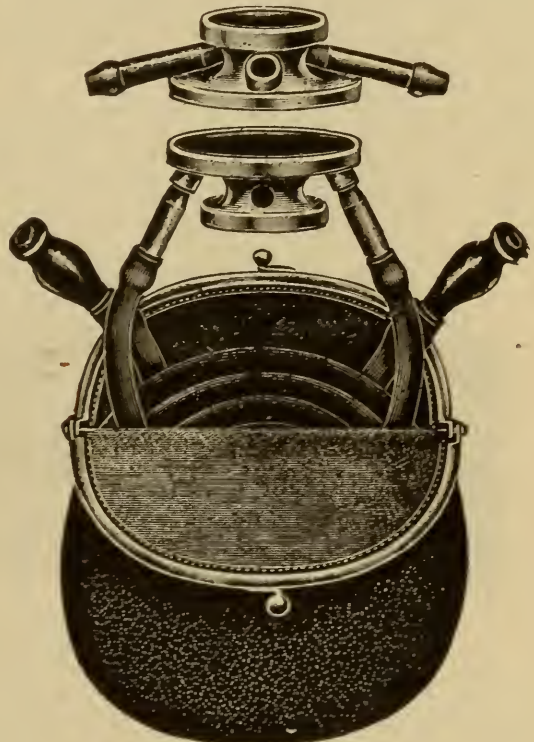
## DIAGNOSTIC



A-520



A-500



A-523

## STETHOSCOPES—BINAURAL

## Diaphragm Type

A-600	Ampliphone .....	\$2.50
A-602	Douglass', with all soft rubber tubes, Khaki pouch.....	3.00
A-604	Douglass', with metal ear tubes and soft rubber connecting tubes, Khaki pouch .....	3.50

This instrument presents an entirely new design in a diaphragm Stethoscope, is more convenient to handle, gives increased tone, is extremely sensitive and is without doubt the best instrument of this type that has ever been placed on the market.

A-607	Pulaski, with all soft rubber tubes.....	\$2.00
A-606	Pulaski, with metal ear tubes, soft rubber connecting tubes.....	2.75

One of the simplest and best of the diaphragm models of Stethoscope. Is compact and is complete in Khaki pouch.

A-500	Bowles', round diaphragm, 1 $\frac{3}{8}$ , 1 $\frac{3}{4}$ or 2 $\frac{1}{8}$ inches in diameter.....net	\$4.00
A-520	Bowles', flat iron diaphragm, one size only.....net	4.50
A-522	Bowles', round, non-chill, No. 4.....net	4.00
A-523	Carsten's, Duplex, has two diaphragm, large 1 $\frac{3}{4}$ , small 1 inch. Is convenient, simple, and one of the best types of the diaphragm model of stethoscope .....	4.00



DIAGNOSTIC

THE E. Z. C. CLINICAL THERMOMETER.

A Clinical Thermometer That Every Physician and Nurse Will Appreciate.



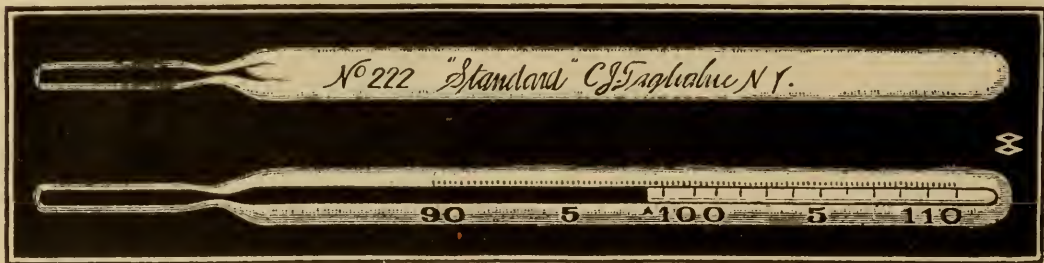
A-612-613-614

The scale is divided into two separate and distinct sections—the **sub-normal** scale (below 98.6), which appears in **black**, and the **“fever scale”** (above 98.6), which appears in **red**. The result is that the mercury column of this Thermometer shows with a pronounced step or jog at the normal point, if the temperature reading is within the fever scale.

The “E Z-C” Clinical Thermometer has all the good points of other high-class Thermometers, coupled with extreme accuracy.

- A-612 The E. Z. C. Clinical Thermometer, 2 minute.....\$1.25
- A-613 The E. Z. C. Clinical Thermometer, 1 minute..... 1.50
- A-614 The E. Z. C. Clinical Thermometer, ½ minute..... 1.75

THE “TAGLIABUE” STANDARD CLINICAL THERMOMETERS.



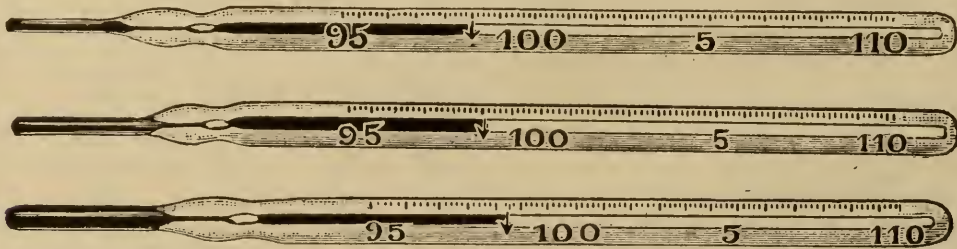
A-610-615-620

Standard Clinical Thermometers represent the highest type of thermometers made either in this country or abroad. They are made of the best glass obtainable, by only the most skilled workmen, are fully seasoned before being graduated, are carefully re-tested before shipment, and are guaranteed not to increase their reading with age. They are guaranteed to be free from all imperfections, and absolutely correct as certified.

In order to avoid substitution, the word “Standard,” the series No. 222, and the trade mark of the manufacturer is engraved on each. Certificates issued by the U. S. Government Bureau of Standards or the manufacturer accompany each instrument. We highly recommend the use of this thermometer to physicians who want an instrument, the accuracy of which can be thoroughly depended on.

- A-610 Standard Clinical Thermometer, 2 minute.....\$1.25
- A-615 Standard Clinical Thermometer, 1 minute..... 1.50
- A-620 Standard Clinical Thermometer, ½ minute..... 1.75

NOTE.—All E. Z. C. and Standard Clinical Thermometers are furnished with our “Zipp” thermometer case (for description see next page). Hard rubber or other styles of cases can be furnished if desired.



- \*A-625 Reliable Clinical Thermometer, of good quality, magnifying indestructible index, certified, registers in about 2 minutes, in hard rubber case.....\$0.75
- \*A-630 Reliable Clinical Thermometer, of good quality, magnifying indestructible index, registers in 1 minute, in hard rubber case..... 1.00
- \*A-635 Reliable Clinical Thermometer, of good quality, magnifying indestructible index, certified, registers in ½ minute, in hard rubber case..... 1.25

# DIAGNOSTIC


**"RANFAC" PYRETOMETERS FOR GENERAL USE.**  
Always Guaranteed Against Anything But Breakage.

**"HARVARD" CLINICALS.**



A-628

**SPECIFICATIONS.**—Lenses are clear and distinct; markings filled in with Ranfac; indelible pigment; scales are open and uniform; red line at normal; and none go out that will not shake down readily. A guarantee with every instrument. Physicians can safely recommend them to their nurses and patients with certainty of precise results.

*A-626		No. 10	Oval, 2 minute.....	\$1.25	\$12.00	
*A-627		No. 11	Flat Back, 2 minute.....	1.25	12.00	
A-628		No. 12	Clear Lens, 2 minute.....	1.25	12.00	
*A-629		No. 14	Clear Lens, 1½ minute.....	1.50	15.00	
*A-631		" "	No. 15	Clear Lens, 1 minute.....	1.75	18.00
*A-632		" "	No. 16	Clear Lens, ½ minute.....	2.00	21.00
*A-633		" "	No. 17	Clear Lens, ¼ minute.....	2.25	24.00

Unless otherwise specified Harvard Clinicals are supplied in Acme (patented), hard rubber or nickel cases, assorted, with and without chains.

**"JEWEL" PYRETOMETERS.**



A-637

Designed for use in contagious diseases, as typhoid, scarlet fever, and diphtheria,—for hospitals or wards devoted to Consumptive patients and for Rectal use.

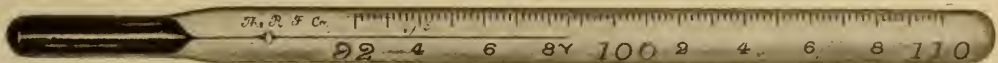
Jewel Ring Top Pyretometers have glass rings blown on the distal end in several colors to indicate their special purpose.

Generally Emerald is used for Typhoid, Ruby for Scarlet Fever, Sapphire for Diphtheria, Opal for Tuberculosis, and Amber for Rectal use.

**SPECIFICATIONS.**—Lenses and scales are choice, comparing favorably with Harvard Clinicals, and every Pyretometer has a guarantee of accuracy.

			Each	Per Doz.
*A-634	No. 310	Oval, 2 minute.....	\$1.25	\$12.00
*A-636	No. 312	Clear Lens, 2 minute.....	1.25	12.00
A-637	No. 314	Clear Lens, 1½ minute.....	1.50	15.00
*A-638	No. 315	Clear Lens, 1 minute.....	1.75	18.00
*A-639	No. 316	Clear Lens, ½ minute.....	2.00	21.00
*A-641	No. 317	Clear Lens, ¼ minute.....	2.25	24.00

**B. C. H. No. 1, THREE MINUTE**  
(Hospital Special)



A-643	B. C. H., Style No. 1 (original), flat back, very heavy tubing and extra large mercury column and bulb, 3 minute.	Each	Per Doz.
	In cases.....	\$1.50	\$15.00
A-644	B. C. H., Style No. 2, flat back, strong tubes and distinct mercury column, 2 minute.	Each	Per Doz.
	In cases.....	\$1.25	\$12.00

**PEAR BULB PYRETOMETERS FOR RECTAL USE.**



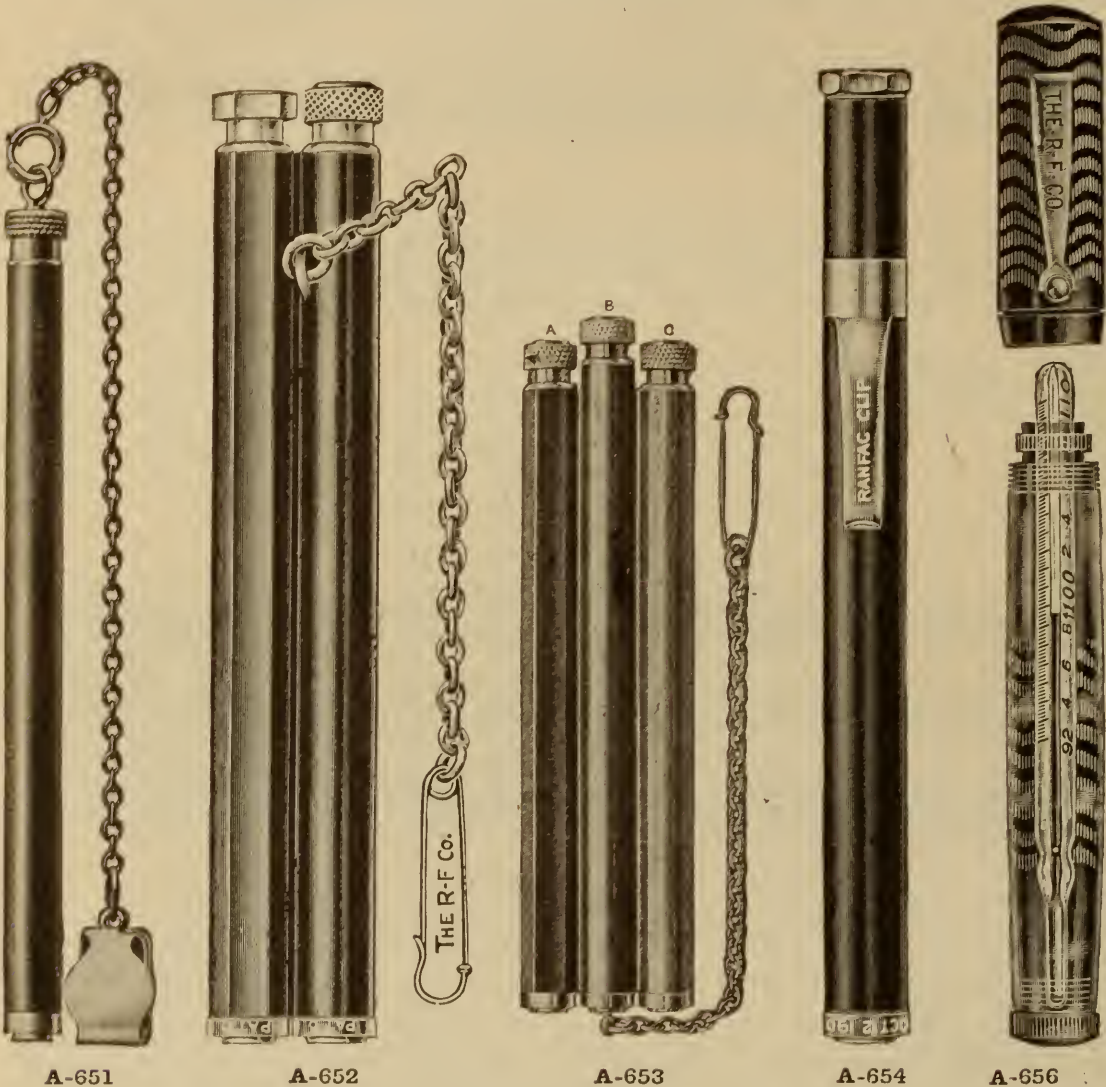
THE R-F CO.

		Each	Per Doz.
A-646	Harvard Quality, No. 612.....	\$1.35	\$13.50
A-648	Popular Quality, No. 682.....	1.25	12.00

Recommended because the blunt end can be introduced without danger of rupturing sensitive tissues.



DIAGNOSTIC

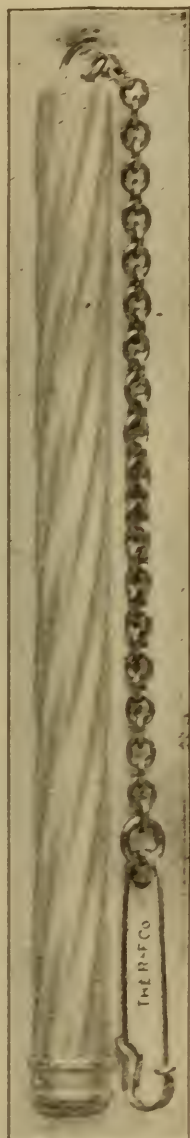


“RANFAC” PATENT THERMOMETER CASES WITH THERMOMETERS

- A-651 Austin Easy Shaking Case, polished hard rubber, with nickel plated mounts. Simple and efficient for quickly and conveniently shaking down the mercury, each .....\$0.50  
Complete with Harvard No. 15 One Minute Thermometer..... 2.00
- A-652 Harvard Twin Case, polished hard rubber case, nickel plated mounts, safety chain and pin, one round and one hexagon tube. Complete with Harvard No. 15 One Minute and a Harvard No. 612 Rectal Thermometer..... 2.50
- A-653 Harvard Trinity Case, polished hard rubber, nickel plated mounts, safety chain and pin, two round and one hexagon tube. Complete with one Harvard One Minute clinical, one Harvard pear-shaped Rectal Thermometer, and one Bath Thermometer as carefully made as a fever thermometer ..... 3.25
- A-654 Ranfac Clip Case (patented), equipped with Ranfac Safety Clip fastener and centralizing jar-absorbing springs, which engage the thermometer and hold it firmly without screw threads; with nickel plated mounts... .35  
Complete with one Harvard One Minute Thermometer..... 1.75
- A-656 Thermometer Sterilizer, ebonized, hard rubber, mounts nickel plated, ball safety clip. Contains diaphragm which allows the carrying of any sterilizing solution. The thermometer can be withdrawn and the case laid down without spilling a drop of the solution. Readily taken apart for cleaning ..... 1.25  
Case only ..... 1.25  
Complete with one Harvard One Minute Thermometer..... 2.75



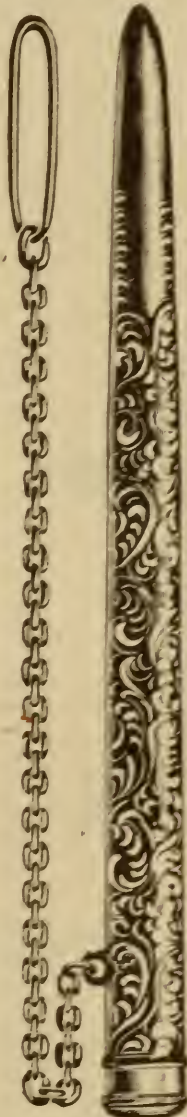
## DIAGNOSTIC



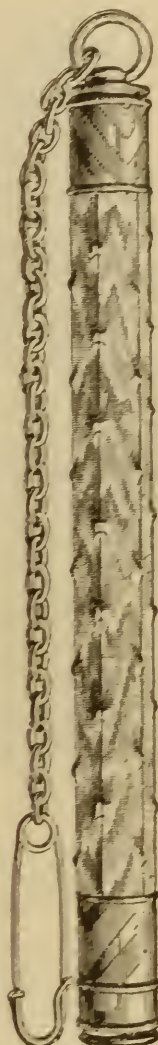
A-640



A-650



A-655



A-660

## THERMOMETER CASES

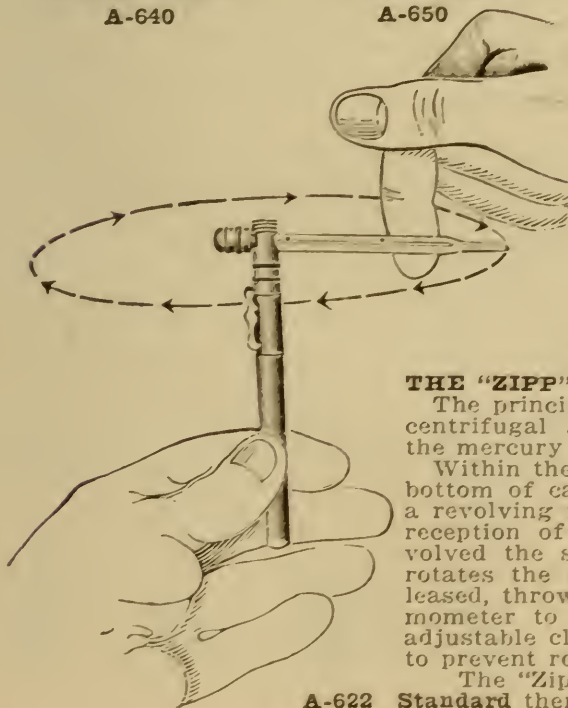
A-640	Thermometer Case, aluminum, with chain.....	\$0.25
*A-645	Thermometer Case, metal, gilt, with chain.....	.25
A-650	Thermometer Case, cylindrical, sterling silver, embossed .....	1.75
A-655	Thermometer Case, conical, sterling silver, embossed .....	1.75
A-660	Thermometer Case, cylindrical, pearl, with gold plated mounts .....	2.50
*A-665	Thermometer Case, conical, pearl, with gold plated mounts .....	2.50

## THE "ZIPP" CLINICAL THERMOMETER CASE A-622

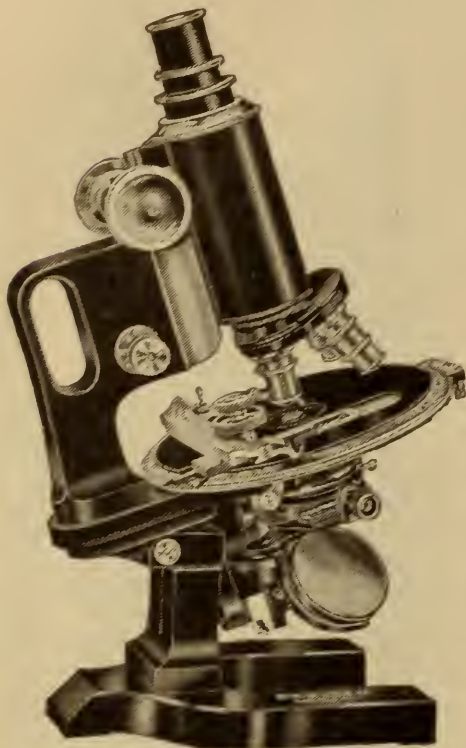
The principal feature of the patented Zipp case is the centrifugal action employed for mechanically forcing the mercury into position for another reading.

Within the metal case a spiral spring fastened to the bottom of case, and running to the top, is fastened to a revolving ferrule provided with two openings for the reception of the thermometer. If this ferrule is revolved the spring necessarily "winds up" and rapidly rotates the ferrule in the opposite direction when released, throwing the mercury in the lumen of the thermometer to the periphery or bulb end instantly. An adjustable clip for securing the case to the pocket, and to prevent rolling.

The "Zipp" case is furnished only with E. Z. C. and A-622 Standard thermometers, and is not sold separately.



SPENCER MICROSCOPES—AMERICA’S STANDARD



Spencer Microscope No. 10



Spencer Microscope No. 5

For  
Research  
and  
Photo-  
Microg-  
raphy

These two microscopes are made for work of the very highest and most exacting character—visual and photo-micrographic. They are identical in construction and equipment with the exception of the form of the arm, pillar and base. Both are equally efficient.

**The Aluminum Body Tube** is 50 mm. in diameter and is arranged to accommodate the large, low power photo-micro objectives as well as those with the Society screw, and standard oculars.

**The Arm** is large, forming a most convenient handle by which to grasp the instrument with the whole hand. It is provided with our well known side fine adjustment. One complete revolution of the thread represents an up-and-down movement of .1 mm. The graduations on the button to 100 parts make the value of each division one micron.

**The Revolving Stage** is 150 mm. in diameter—130 mm. of its surface being covered with vulcanite. The nickeled periphery is graduated to degrees, and the vernier reads to three minutes.

**The Mechanical Stage** is easily removable by simply slipping it off from its bearings, which are embedded in the stage, in reality “two stages in one.” When removed, these bearings may be covered by a slide provided, which makes a clear, even, plain stage without the necessity and expense of buying an extra plain stage. The buttons operating the mechanical stage are on **concentric axes**, one above the other. There is a range of 80 mm. in lateral movement and 50 mm. in to-and-fro movement. When the large stage is centered by means of the centering screws, the two vernier readings of the mechanical stage are all that are necessary to locate an object.

**The Complete Rack-and-Pinion Substage** is regularly supplied. The instrument is furnished in a beautiful mahogany cabinet.

Spencer Cata- logue No.	Wide Angle Condenser	Nose Piece	Objectives Equiv. Foc. mm.	Apochromatic Outfits		Achromatic Outfits	
				Com- pens. Oculars	Price	Huyghe- nian Oculars	Price
5A or 10A	N. A. 1.40	.....	16, 4	10x	\$192.00	10x	\$140.00
5B or 10B	N. A. 1.40	Double	16, 4	10x	196.00	10x	144.00
5C or 10C	N. A. 1.40	.....	16, 4	10x, 15x	199.50	6x, 10x	141.50
5D or 10D	N. A. 1.40	Double	16, 4	10x, 15x	203.50	6x, 10x	145.50
5H or 10H	N. A. 1.40	Triple	16, 4, 1.8 Oil-imm.	10x, 15x	285.00	6x, 10x	170.00



## SPENCER MICROSCOPES—AMERICA'S STANDARD



Spencer Microscope No. 20

For  
Research  
and  
Critical  
Clinical  
Work



Spencer Microscope No. 22

These microscopes are offered for advanced laboratory research and clinical work of the most exacting character. The two instruments are identical in construction and equipment, with the exception of the stages—No. 20 having a square stage, No. 22 a circular revolving stage. Both are equally efficient.

**The Body Tube** is of our standard size. The draw tube is adjustable in cloth-lined sleeve, or with metal fitting when so specified.

**The Arm** is of solid brass with the new side fine adjustment, which is five times as fine as the prism or lever types. The distance from the base of arm to the optical axis is 68 mm.

**The Stage** of No. 22 is 120 mm. diameter, No. 20 is 110 mm. by 108 mm. Both are covered with genuine vulcanite rubber, vulcanized directly to the stage plate. The edge of No. 22 is milled.

**The Substage** is the quick-screw form and is fitted with drop-swing condenser mounting, which enables the Abbe condenser to be thrown to one side, leaving in place the upper iris diaphragm, which is automatically locked when the condenser is returned to its normal position. By this simple movement, the condenser drops from its position in the optical axis and swings entirely out of the way. The mirror is plane on one side and concave on the other, 50 mm. in diameter, mounted on adjustable bar.

**Finish**—It is finished in alcohol-proof black lacquer, trimmed with yellow, also alcohol-proof.

The cabinet is hard wood in natural polished finish. with handle, lock and key.

Spencer Catalogue No.	Abbe Condenser	Nose Piece	Achromatic Objectives Equiv. Foc. mm.	Huyghenian Oculars	Price	Spencer Catalogue No.	Price
20A	N. A. 1.20	.....	16, 4	10x	\$54.00	22A	\$64.00
20B	N. A. 1.20	Double	16, 4	10x	58.00	22B	68.00
20C	N. A. 1.20	.....	16, 4	6x, 10x	55.50	22C	65.50
20D	N. A. 1.20	Double	16, 4	6x, 10x	59.50	22D	69.50
20H	N. A. 1.20	Triple	16, 4, 1.8	6x, 10x	85.00	22H	95.00
			Oil-Imm.				



SPENCER MICROSCOPES—AMERICA'S STANDARD

SPENCER MICROSCOPE  
NO. 25



THE increasing popularity of the new type of microscope introduced by us as represented by our **No. 45**, together with the continually growing demand during the past **ten years** for our side fine adjustment, has induced us to combine the two in our new **No. 25** microscope.

**No. 25** is like **No. 45** as regards the exceptionally large stage, the great distance (80mm.) from the optical axis to the arm, the substantial and beautiful outlines, the automatic device by which the upper iris is locked open when the condenser is in place, etc. The Spencer side fine adjustment, with the improvements which ten years have brought, appeals to the practical worker because of its simplicity—a simple movement, no gears or complicated parts to wear and get out of order, thus causing lost motion. The pressure of the tube by spring tension downward is continuously transmitted through the nut and thread in one direction only, from the tube to the operator's hand. Any possible wear is thus automatically taken up. It insures a quick response, **no lost motion** and a delicate adjustment; one complete revolution of the screw in either given direction moving the body tube (always in the same direction as the rack and pinion) through a distance of 100 microns, **which is fine enough for the most delicate work**, and is **not so fine that the slowness of the movement becomes a detriment**, as is sure to be the case with anything finer.

Size of stage, 112mm. wide, 108mm deep.

Distance from optical axis to base of arm, 80mm.

Stage, vulcanite covered edges as well as the top.

The graduated button is divided into 100 parts, each division representing a movement of one micron.

Fine adjustment buttons on both sides workable with either hand.

The fine adjustment ceases to work when the objective rests on the cover glass.

The low, compact construction insures comfort in using.

The upper iris diaphragm is automatically locked open when condenser is in place.

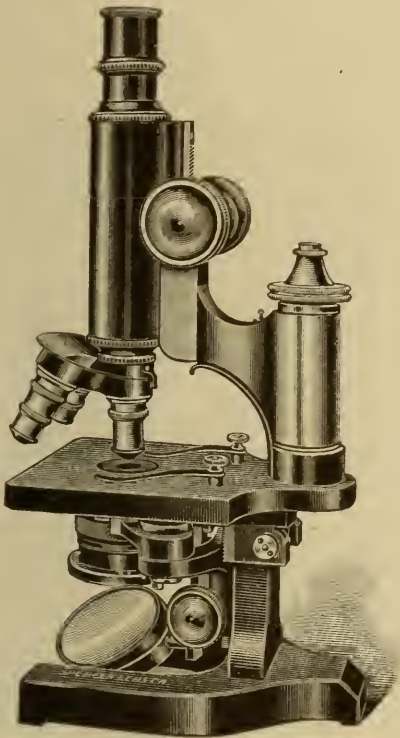
The fine adjustment buttons are conveniently located and of suitable size.

The fine adjustment, simple and efficient in construction, responds promptly with no lost motion, and automatically takes up for any possible wear. It is always responsive.

Spencer Catalogue No.	Abbe Condenser	Nose Piece	Achromatic Objectives Equiv. Foc. mm.	Oculars	Price
25A	.....	.....	16, 4	10x	\$34.00
25B	.....	Double	16, 4	10x	38.00
25C	.....	.....	16, 4	6x, 10x	35.50
25D	.....	Double	16, 4	6x, 10x	39.50
25H	N. A. 1.20	Triple	16, 4, 1.8 Oil-imm.	6x, 10x	72.50

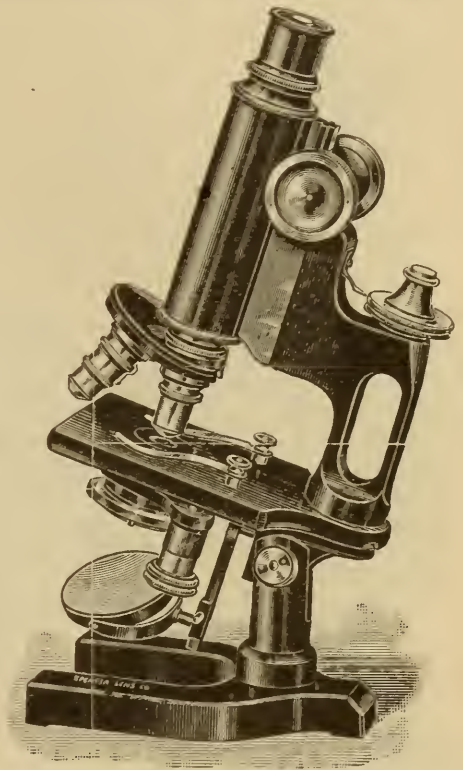
The drop-swing condenser mounting can be added for \$5.00 additional.

## SPENCER MICROSCOPES—AMERICA'S STANDARD



Spencer Microscope No. 30

FOR  
RESEARCH  
AND  
CRITICAL  
CLINICAL  
WORK



Spencer Microscope No. 36

These microscopes are offered for advanced laboratory, research and clinical work of the most exacting character. Microscope No. 30 is equipped with complete rack and pinion substage, continental prism fine adjustment, with handle beneath arm for carrying. Microscope No. 36 is equipped with the regular quick-screw substage, lever fine adjustment and handle in arm for carrying.

The Body Tube is of our standard size, 37 mm. outside, with Society thread; the graduated draw tube taking standard size eyepieces, and adjustable, in cloth-lined sleeve, or with metal fitting when so specified.

The Arm on No. 30 contains the very accurate and sensitive prism type of fine adjustment, which is operated by a graduated micrometer screw, providing a free distance of 67 mm. from its optical axis. Beneath it, independent of it and following the curve of its lower edge is a neat unobtrusive handle which provides a means for carrying the instrument safely without injury to the fine adjustment. This is a patented feature and is found on no other microscope. The Arm of No. 36 is of the handle type, similar to that of Nos. 20 and 22. Its fine adjustment is of the top lever type, with graduated micrometer screw.

The Stage is covered, top and edges, with a heavy seamless genuine rubber, vulcanized directly to the stage plate. Size of stage 108 mm. x 112 mm.

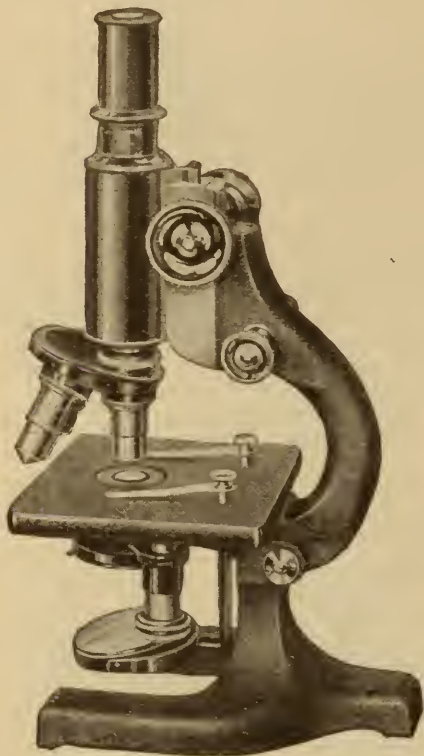
The Substage of No. 30 is the complete rack-and-pinion type. That of No. 36 is the ordinary quick-screw substage. In both the Abbe Condenser automatically locks the upper iris open when it is in place, thus preventing breakage of diaphragm leaves.

These instruments are beautifully finished in black and yellow lacquer, both of which are alcohol-proof. The cabinet is hard wood, natural finish and polished.

Spencer Catalog No.	Abbe Condenser	Nose Piece	Achro-matic Object-ives Equiv. Foc. mm.	Huy-ghenian Oculars	Price	Spencer Catalogue No.	Price
30A	N. A. 1.20	.....	16, 4	10x	\$ 79.00	36A (No. Abbe)	\$41.50
30B	N. A. 1.20	Double	16, 4	10x	83.00	36B (No. Abbe)	45.50
30C	N. A. 1.20	.....	16, 4	6x, 10x	80.50	36C (No. Abbe)	43.00
30D	N. A. 1.20	Double	16, 4	6x, 10x	84.50	36D (No. Abbe)	47.00
30H	N. A. 1.20	Triple	16, 4, 1 .8 Oil-imm.	6x, 10x	110.00	36H with Abbe	80.00



SPENCER MICROSCOPES—AMERICA’S STANDARD



Spencer Microscope No. 44

FOR  
CAREFUL  
MEDICAL  
WORK



Spencer Microscope No. 45

These microscopes we offer for the use of the general practitioner who desires to attain efficiency of work and at as moderate a cost as possible. The two instruments are identical in construction and equipment, with the exception of the fine adjustment and the arm, No. 44 having a side fine adjustment, while No. 45 has a top lever adjustment. The fine adjustment of No. 44 is 2½ times finer than that of No. 45. These microscopes are very generally used in the medical colleges and hospitals throughout the country.

The Body Tube is standard size—37 mm. outside diam., with Society thread; the draw tube taking standard eyepieces.

The Arm is large, making a convenient grasp for handling. The distance from optical axis is 80 mm. The fine adjustment of No. 44 is of new form, simple but very efficient, in fact as much so as any other Spencer fine adjustment, guaranteed to give no lost motion or side thrust. The thread bearing shaft with focusing buttons on both ends passes back and forth through the arm, thus affording the user an opportunity of seeing at a glance its position relative to either limit, a point which will be especially appreciated—in fact, it is the only fine adjustment made with this advantage. In the construction of this fine adjustment there are no inclined planes, balls or cams to cause trouble. Neither are there gears of any kind, the wearing of which is sure to give lost motion. Any possible wear is automatically provided for. It is most satisfactory in every way. The fine adjustment of No. 45 is of the top, lever type, the same as that in microscope No. 36.

The Stage is vulcanite covered, it is 112 mm. wide and 108 mm. deep. It is provided with the regular substage of the quick-screw type; the upper iris diaphragm is automatically locked open when the condenser is put into place, no matter how the condenser may be placed in the substage ring.

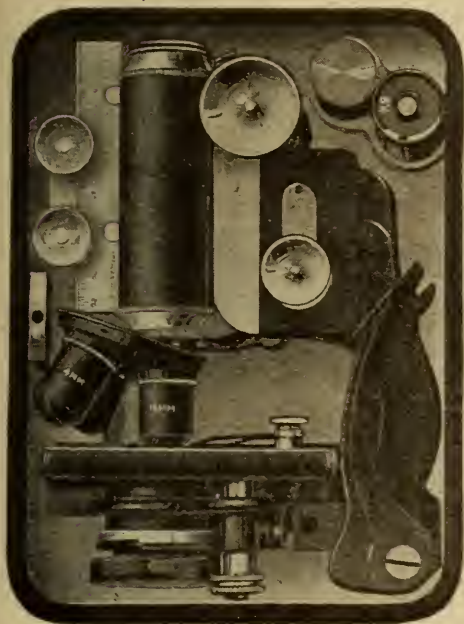
The microscope is finished in alcohol-proof black enamel and alcohol-proof yellow, the same as the other microscopes. It is furnished in a hardwood cabinet.

Spencer Catalog No.	Abbe Condenser	Nose Piece	Achro-matic Object-ives Equiv. Foc. mm.	Huy-ghenian Oculars	Price	Spencer Catalog No.	Price
44A	.....	.....	16, 4	10x	44A—\$34.00	45A	45A—\$31.50
44B	.....	Double	16, 4	10x	44B— 38.00	45B	45B— 35.50
44C	.....	.....	16, 4	6x, 10x	44C— 35.50	45C	45C— 33.00
44D	.....	Double	16, 4	6x, 10x	44D— 39.50	45D	45D— 37.00
44E	N. A. 1.20	Double	16, 4	10x	44E— 44.50	45E	45E— 42.00
44F	N. A. 1.20	Double	16, 4	6x, 10x	44F— 46.00	45F	45F— 43.50
44H	N. A. 1.20	Triple	16, 4, 1.8 Oil-imm.	6x, 10x	44H— 72.50	45H	45H— 70.00

For Drop-Swing Condenser Mounting, add.....\$5.00



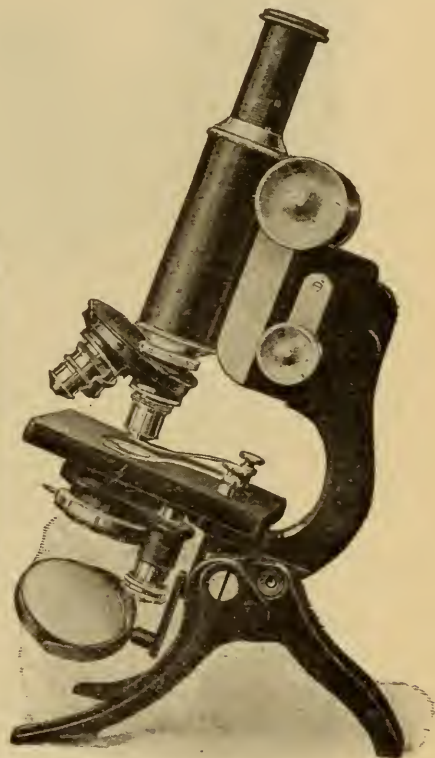
## SPENCER MICROSCOPES—AMERICA'S STANDARD



Folded in Case



In Closed Case

Spencer Portable Microscope  
No. 60H

This microscope is offered for Bedside Diagnosis, and for the use of the physician who has occasion and desires to carry his microscope with him at times, as well as having a very efficient instrument for his office and laboratory use. It is a full size, completely equipped, compound microscope, so uniquely designed and put up in such compact form that it may be carried without inconvenience to the bedside of the patient.

The microscope is enclosed in a metal case, the two halves of which are hinged together. Each half is a single casting of magnalium, a light alloy of aluminum, which is resistant to weather conditions. The wall is strengthened around the edge by a narrow band of increased thickness, which is sufficient for holding a felt buffer to make the case dust-tight. This buffer is burnished into the metal. There is absolutely no glue used to fasten any of the pads.

The case of magnalium is  $8\frac{3}{4}$  inches long,  $6\frac{1}{2}$  inches wide and  $3\frac{3}{4}$  inches thick outside dimensions. Not only does this small case hold the microscope, but may also be fitted to take mechanical stage, haemacytometer, haemaglobinometer, slides, covers, etc.

To prepare for using this microscope, it is only necessary to lift the instrument from the case, turn the legs to position and pull the draw-tube. It goes into the case with objectives in position on the nose piece. It weighs but  $9\frac{1}{2}$  lbs. Metal caps screw over the objectives to protect them when not in use.

Spencer Catalog No.	Abbe Condenser	Nose Piece	Achromatic Objectives Equiv. Foc. mm.	Huyghenian Eye Pieces	Price
60B	.....	Double	16, 4	10x	\$ 65.00
60D	.....	Double	16, 4	6x, 10x	66.50
60E	N. A. 1.20	Double	16, 4	10x	74.00
60F	N. A. 1.20	Double	16, 4	6x, 10x	75.50
60H	N. A. 1.20	Triple	16, 4, 1.8 Oil-imm.	6x, 10x	100.00

MICROSCOPE  
OBJECTIVES AND EYE PIECES



MICROMETER EYE PIECE

This eye piece has a fixed scale. - The ruled glass disc is fixed in place and the eye lens is mounted in an adjustable sleeve which permits an exact focusing upon the scale.

- \*415 Micrometer Eye Piece, 4x.....\$4.00
- \*420 Micrometer Eye Piece, 8x.....4.00

ACHROMATIC OBJECTIVES

Spencer Catalogue No.	Equivalent Focus		Num. Aperture	Working Distance*	Diam. of the † real field	Price	
	mm.	Inches Approx.		With 160 mm. tube length and 10x eye piece mm.	mm.	Fixed Mount.	Adjust. Mount.
101	48	2	0.10	28.0	6.5	\$ 4.00	
102	40	1¾	0.10	28.0	6.3	4.00	
104	32	1⅜	0.10	15.0	4.7	4.00	\$20.00
107	25	1	0.25	9.5	3.3	5.00	
108	16	⅔	0.25	5.0	2.1	5.00	
110	12	½	0.40	1.8	1.4	8.00	
112	8	⅓	0.50	1.5	1.0	8.00	
114	5	⅕	0.70	0.4	0.55	8.00	
116	4	1/6	0.70			8.00	
118	4	⅙	0.85	0.46	0.40	8.00	18.00
122	3		0.85	0.26	0.30	8.00	18.00
127	Oil-Im. 1.8	1/14	1.25	0.13	0.20	27.00	
128	Oil-Im. 1.5	1/16	1.25	0.10	0.14	40.00	
*130	Oil-Im. 2	1/12	1.25			48.00	

\* No. 130 Objective is Fluorite.

HUYGHENIAN OCULARS

Spencer Catalogue No.	Power	Equivalent Focus	Price
134	4x	62.5 mm.—2½ in.	\$1.50
136	5x	50 mm.—2 in.	1.50
138	6x	40 mm.—1⅔ in.	1.50
140	8x	30 mm.—1⅕ in.	1.50
142	10x	25 mm.—1 in.	1.50
144	12x	20 mm.—¾ in.	1.50

NEW ORTHOSCOPIC OCULARS

To meet the demand for a larger field, and also for higher power in the oculars than are featured with the Huyghenian oculars, we offer this new series of Orthoscopic oculars which will be found very helpful in many kinds of work.

Spencer Catalogue No.	Power	Equivalent Focus	Price
145	8x	30 mm.—1⅕ in.	\$5.00
146	10x	25 mm.—1 in.	5.00
147	12x	20 mm.—¾ in.	5.00
148	15x	16 mm.—⅔ in.	5.00
149	20x	12 mm.—½ in.	5.00



## MICROSCOPE

## REVOLVING NOSEPIECES

Circular—Dustproof



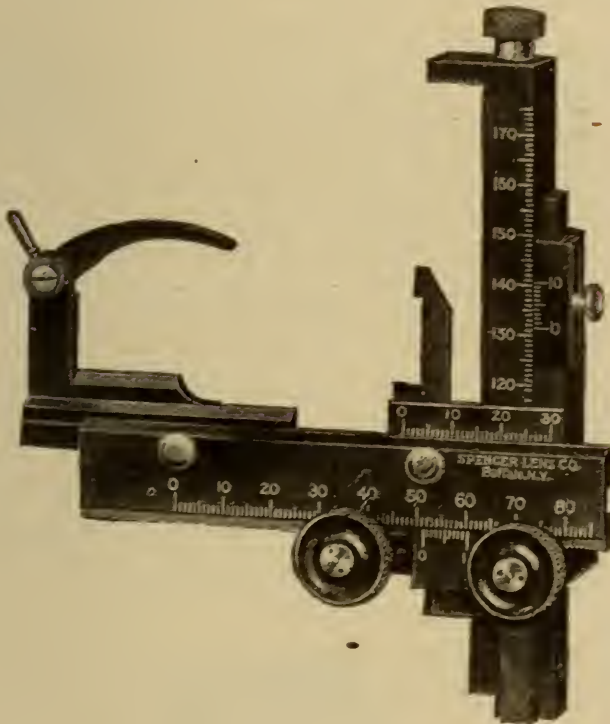
450



455

		Price
A-850	Double Nosepiece, No. 450.....	\$4.00
A-855	Triple Nosepiece, No. 455.....	5.50
A-857	Quadruple Nosepiece, No. 460.....	7.00

## A-860—SPENCER

ATTACHABLE MECHANICAL  
STAGE No. 490

The common-sense features and general accuracy and efficiency involved in Spencer mechanical stages have compelled such general recognition that they are now considered the standard type. They may easily be clamped to any rectangular microscope stage—a feature originated by us nearly ten years ago, and since used.

A stop at the front always insures its return to the same position on the microscope stage; so that should work be interrupted and the mechanical stage removed, when it has been replaced, any part of the specimen under observation may be instantly found by noting the vernier readings. The vernier of the lateral movement is placed slightly to one side of the arm of the microscope where it can easily be read.

The movements of this mechanical stage are by diagonal rack and pinion, and are entirely firm and reliable; permitting the most delicate adjustments. The range of movement is large in both directions; giving 85 mm. lateral motion and 40 mm. to and fro with mechanical stage No. 485 and 85 mm. lateral motion and 65 mm. to and fro with mechanical stage No. 490. It will thus be seen that No. 490 meets the demand for handling a 3x2 inch slide. This will especially appeal to those who desire to work with large slides. The clamp at the front of the stage, No. 490, is so arranged that it does not interfere with the slide. Stage No. 490 also has a registering feature, so that the vernier reading designating the locations of objects taken on one microscope may be made to register with the readings for the same objects taken on another microscope. The vernier for the to and fro movement is adjustable.

Both stages are beautifully finished in black lacquer to avoid reflection of light. They are supplied in neat cases.

A-865	Attachable mechanical stage, No. 485.....	\$16.00
A-860	Attachable mechanical stage, No. 490.....	18.00



MICROSCOPE ACCESSORIES

A-866—SPENCER DARK FIELD ILLUMINATOR No. 340

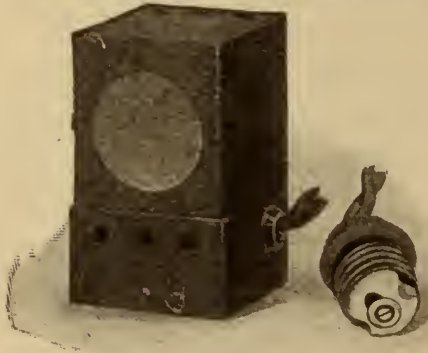
This illuminator can be used on any microscope. The condenser is mounted in a solid piece of brass with slots at the end for the stage clips of the microscope. It permits the use of slides on the top surface. The top surface of the condenser is provided with a little ring by which it may be carefully centered.

Direct sunlight may be used. Fairly good results may be obtained by using a Welsbach light, but the best source of light is the electric arc light. Spencer No. 360 arc light is especially constructed for such work. Price in neat case, including special diaphragm for immersion objectives.....\$10.00



A-866

A-867A—NEW MINIATURE MICROSCOPE ELECTRIC LAMP No. 385



This lamp is constructed to throw the light either on the mirror or directly up through the condenser of the microscope. Gives illumination sufficient for oil immersion work, 1.8 objective and 10+ ocular. It is small and compact, but very efficient. Beautifully finished in our new black crystal lacquer. No light can escape except through the single opening.

Equipped with a 10-watt Mazda bulb, and works on any 110-volt circuit. It can be used on 220-volt current when placed in series with proper resistance. Supplied with blue and ground glasses.

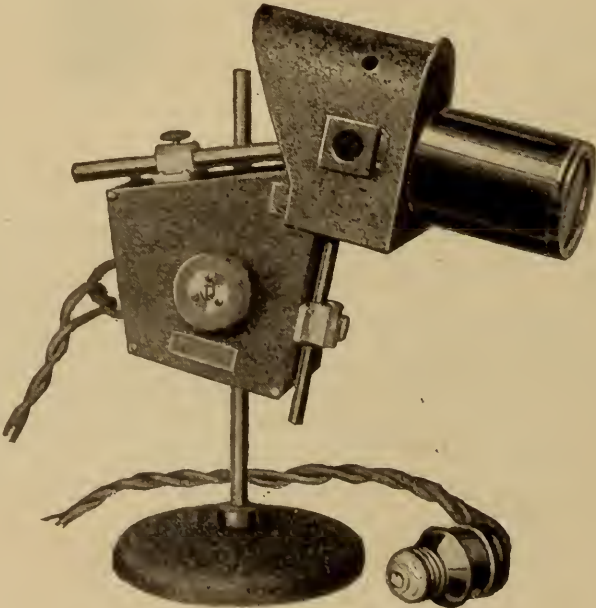
	Price
A-867A Lamp No. 385, with Mazda bulb, 5 feet of cord and socket.....	\$3.50
A-867B Extra bulb, No. 386.....	1.25
A-867C Resistance to be used in series on 220-volt current, No. 387.....	3.00
A-867D Lamp No. 385 with "Daylite" glass window, giving a white light having the same color and spectral energy distribution as natural day light	4.25

A-872—ELECTRIC ARC LAMP No. 360

Used with the dark-field illuminator and the vertical illuminator as well as for general microscope illumination. Works on any incandescent circuit if provided with suitable rheostat; the carbons are fed at the same time. The circle of illumination may be made large or small by moving the condenser to and from the arc. It is adjustable to height and angle.

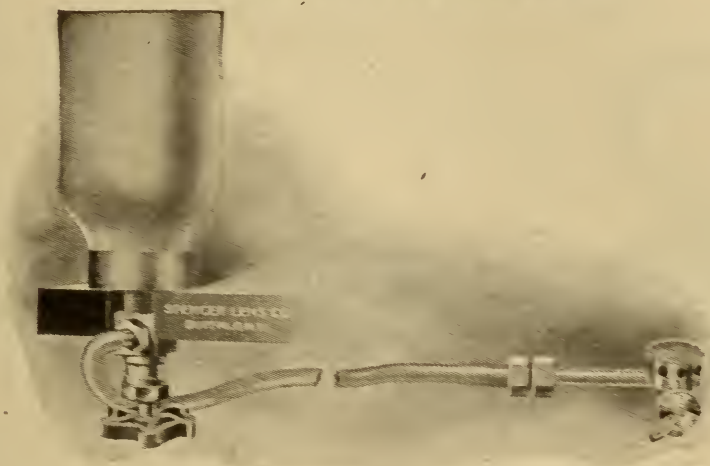
Provided with blue and ground glasses.

	Price
A-872 Lamp, with 5 foot of cord, No. 360 .....	\$14.00
*A-873 Rheostat, 110 volts, 5 amperes, No. 362.	5.50
*A-874 Rheostat, 220 volts, 5 amperes, No. 364.	9.00
*A-876 Carbons, No. 366, each.....	.05
"Daylite" glass and adapter to fit No. 360 lamp, extra .....	1.50



## MICROSCOPE ACCESSORIES

## A870 FREEZING CHAMBER NO. 930



A870

Originally invented by Dr. H. R. Gaylord of Buffalo, has been greatly improved by suggestions from Dr. L. B. Wilson, Mayo Bros. Hospital, Rochester, Minn., where many Spencer microtomes are in daily use. Also used by over 500 other hospitals and college laboratories in the United States.

This freezing chamber is made of hard rubber, which prevents the radiation of the cold, so that the tissue is frozen immediately with a minimum amount of gas. By the use of a special valve, operated by a small lever, the tissue is frozen without waste of gas and without any inconvenience caused by the freezing up of the chamber or the connections.

No. 930 Spencer Freezing Attachment for CO<sub>2</sub>.....No. 930 \$10.00

## A880 SPENCER AUTOMATIC LABORATORY MICROTOME NO. 880

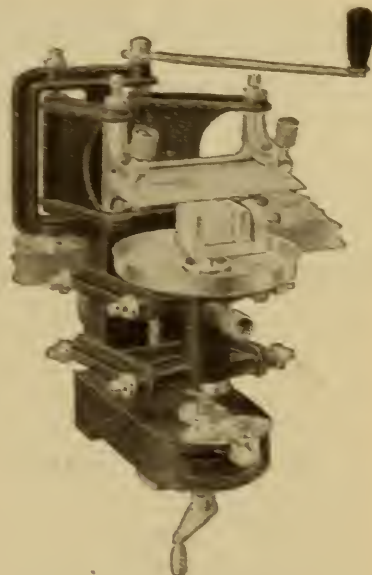
For Frozen Section Work, Also for Celloidin and Paraffin

It has an automatic feed mechanism, simple in construction, covered and protected from dust and drippings.

It may be securely clamped to a laboratory table.

It may be set to cut sections of any desired thickness. Each division of the graduated scale marks five microns.

The extreme ends of the knife rest in the holder and, as the lever handle moves the swinging arms, the knife describes a flattened curve, corresponding to the double movement in free-hand sectioning. By this manner of holding the knife by arms which are not parallel, the entire length of its cutting edge is utilized, insuring uniform wear and permitting the cutting of very large sections. This peculiar motion of the knife makes this microtome pre-eminently fitted for cutting frozen sections. When used with Spencer CO<sub>2</sub> or other freezing attachments for frozen section work it is unequalled.



## A-880 SPENCER AUTOMATIC LABORATORY MICROTOME NO. 880

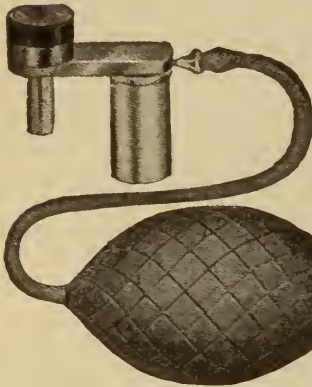
A-880 Spencer Automatic Laboratory Microtome No. 880, complete, with one knife and usual clamp for paraffin or celloid.....\$50.00

Quality Guaranteed. Specify section letter and number in ordering.



MICROSCOPIC

Freezing Attachments and Section Knives



A-882 SPENCER'S ETHER FREEZER NO. 915

This little apparatus is not as good as our CO<sub>2</sub> freezer, but is the best of its kind. Ether is often available when CO<sub>2</sub> is not.

Price.....net \$6.00

A-882

A-884 SPENCER'S MICROTOME KNIFE NO. 965

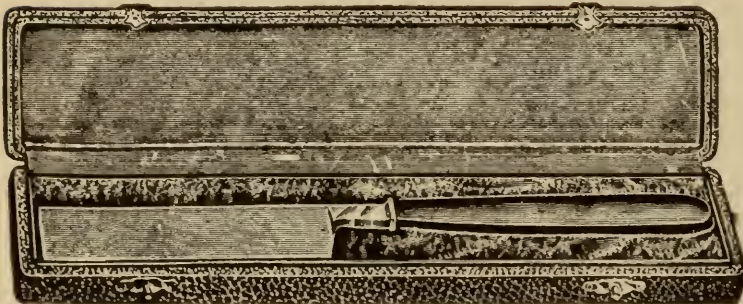
This chisel blade form knife is very convenient for use on the table microtome, and is preferred by many, especially where a freezing chamber is used.

It has a cutting edge of 88 mm. The handle is of such size and shape that the knife can be easily held in the desired position.

A-884 Spencer's Microtone Knife No. 965.....net \$4.00



A-884



A-876-877-878

A-876 HAND SECTION KNIFE

This knife is made with straight steel blade, flat on one side, with solid ebony handle, of the very best quality of steel and finish. Made in three sizes. Put up in leather covered, velvet lined case.

A-876 Hand Section Knife, blade length 140 mm...\$5.00

A-877 Hand Section Knife, blade length 100 mm... 3.50

A-878 Hand Section Knife, blade length 75 mm.... 2.50

A-879 SECTION RAZOR

These razors are made of the best quality of steel, and especially designed for section cutting. They have heavy backs, which makes them less liable to yield under manipulation.

A-879 Section Razor, folding, hard rubber handle .....\$2.00



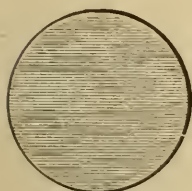
A-879



## MICROSCOPIC

Cover Glasses and Slides

BEST WHITE GLASS. UNIFORM IN THICKNESS



A-905-910



A-895-900

Cata-log No.	Shape	Thickness	Dimensions	Price Net per oz.
A-895	Squares	No. 1—0.13 to 0.17 mm.	15, 18, 22 or 25 mm.	\$1.25
A-900	Squares	No. 2.—0.17 to 0.25 mm.	15, 18, 22 or 25 mm.	1.00
A-905	Circles	No. 1—0.13 to 0.17 mm.	15, 18, 22 or 25 mm.	1.40
A-910	Circles	No. 2—0.17 to 0.25 mm.	15, 18, 22 or 25 mm.	1.15

## RECTANGULAR COVER GLASSES

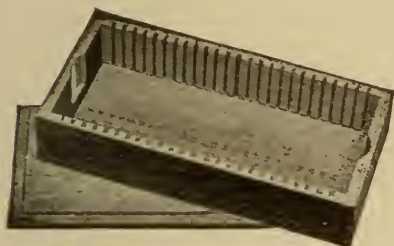
- \*A-915 Rectangular Cover Glasses, No. 1. All sizes, per oz.....\$1.50 to \$1.75  
 \*A-955 Rectangular Cover Glasses, No. 2. All sizes, per oz..... 1.25 to 1.50

## SLIDES—BEST WHITE GLASS

- \*A- 995 Slides, 75x25 mm. (3x1 inches) medium thickness, per gross.....net \$1.25  
 \*A-1000 Slides, 75x25 mm. (3x1 inches) extra thin, per gross.....net 1.50  
 \*A-1005 Slides, 44x25 mm. (1¾x1 inches) medium thickness, per gross.....net 1.50  
 \*A-1010 Slides, 50x20 mm. (2x1 inches) medium thickness, per gross.....net 1.75  
 \*A-1015 Slides, 75x38 mm. (3x1½ inches) medium thickness, per gross.....net 2.25  
 \*A-1020 Slides, 75x50 mm. (3x2 inches) medium thickness, per gross.....net 3.00  
 \*A-1025 Slides, 75x25 mm. (3x1 inches) concave centers, per dozen.....net .75  
 \*A-1030 Slides, 75x25 mm. (3x1 inches) Drop culture. Cavity 16 mm. diameter and 2 mm. deep, each.....net .30

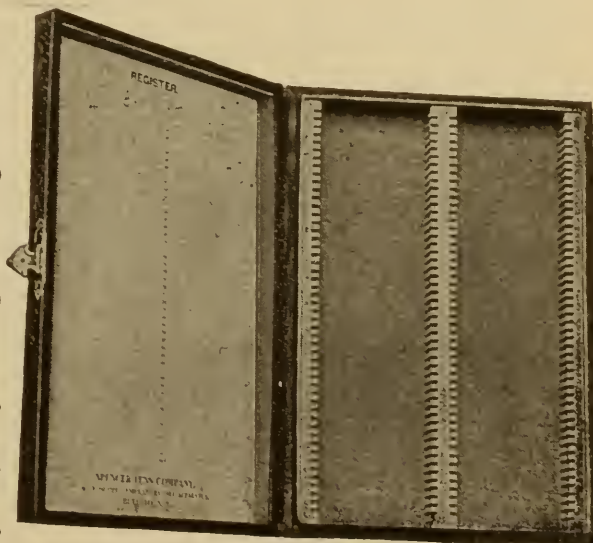
## SLIDE BOXES

- \*A-1035 Minot's New Metal Cabinet, with 30 metal trays, each holding 224 glass slides 75x25 mm.....net \$25.00  
 A-1040 Slide Boxes, grooved to hold 100 objects, covered with a heavy dark-brown cloth, hinged cover and catch, each.....net .75  
 \*A-1045 Slide Boxes, same as No. A-1040 but grooved to hold but 30 objects. These boxes are especially desirable where it is necessary to keep objects which are constantly used, in a secure and handy receptable.....net .50



A-1055

- \*A-1050 Slide Boxes, made of white wood with cover so arranged that when removed the ends of the slides are exposed so that they can be easily removed. Grooved to hold 25 objects, numbered and indexed, per 10....net \$1.50  
 A-1055 Slide Boxes, made of white wood with closely fitting covers. Grooved to hold 25 objects, numbered and indexed, per 10....net 1.00  
 \*A-1060 Slide Boxes, same as A-1055, but grooved to hold 12 objects, numbered and indexed, per 10 .....net .75  
 \*A-1065 Slide Trays, map form, to hold 14 slides, each .....net .35  
 \*A-1070 Slide Trays, map form, to hold 14 slides, each .....net .45  
 \*A-1075 Slide Mailing Cases, tops, middles or bottoms, per dozen.....net .15



A-1040

## MICROSCOPIC

SOLUTIONS		30 c.c.	100 c.c.
A-1090	Alum Carmine, concentrated (Grenacher's).....	\$0.25	\$0.60
A-1095	Alum Gentian Violet (Unna).....	.35	.75
A-1100	Ammonia Carmine (Gerlach's).....	.25	.40
A-1110	Aniline water—gentian Violet (Gram).....	.25	.60
A-1115	Biondi-Ehrlich-Heidenhain's 3-color mixture.....	.50	1.00
A-1120	Bismarck Brown .....	.25	.50
A-1125	Borax Carmine (Grenacher's) alc.....	.25	.65
A-1140	Carbol-Fuchsin (Ziehl's) .....	.25	.60
A-1145	Carbol Gentian Violet (Czaplewski).....	.25	.50
A-1150	Carbol Methylenblue (Czaplewski) .....	.25	.50
A-1155	Carbol Thionin (Fulcher & Lazear).....	.35	.80
A-1160	Carm-alum (P. Mayer).....	.25	.50
A-1165	Chenzinski's Stain .....	.25	.60
A-1195	Eosin, 80% alcohol blood stain.....	.35	.80
A-1210	Ehrlich's Neutrophile Stain, for blood.....	.50	1.20
A-1215	Ehrlich's Triple Mixture, for eosinophilous cells.....	.60	1.50
A-1225	Ehrlich-Biondi-Heidenhain, sol. ....	.50	1.20
A-1230	Ehrlich's Triacid (Aronson-Philipp) .....	.50	1.20
A-1235	Eosin, Haematoxylin (Ehrlich's) .....	.35	1.00
A-1250	Fuchsin .....	.25	.50
A-1255	Fuchsin, Acid .....	.25	.50
A-1265	Gabbet's Bacillus Stain, sol. I., Carbol Fuchsin (same as 1140) .....	.25	.50
A-1270	Gabbet's Bacillus Stain, sol. II., Sulph. Methylenblue (same as 1375) .....	.25	.50
A-1275	Goldhorn's Polychrome Methylenblue.....	.40	1.20
A-1280	Gentian Violet, a good general stain for bacteria.....	.25	.60
A-1290	Hastings Stain for Blood.....	.65	1.35
A-1310	Haematoxylin (Delafield's) .....	.35	.65
A-1330	Jenner's Stain .....	.35	.80
A-1335	Jenner's Stain, Wright's Modification.....	.35	.80
A-1345	Kernschwartztinction .....	.50	1.25
A-1350	Loeffler's Alkaline Blue, for diphtheria bacilli, etc. (same as 1380).....	.25	.75
A-1360	Magnesia Carmine (P. Mayer).....		.65
A-1365	Methyl Green .....	.25	.50
A-1370	Methyl Violet .....	.25	.50
A-1375	Methylenblue, Gabbet's, sulph. acid.....	.25	.50
A-1380	Methylenblue, Loeffler's Alkaline .....	.25	.65
A-1400	Picro Carmine (Weigert's).....	.25	.60
A-1410	Picric Acid Fuchsin (Van Geison).....	.25	.60
A-1450	Toisson's Solution, for blood.....	.25	.50
A-1465	Van Gieson's Solution .....	.25	.60
A-1467	Wright's Blood Stain .....	.40	1.00

MOUNTING AND FINISHING MATERIALS AND CEMENTS		30 c.c. or 30 grams	100 c.c. or 100 grams
A-1475	Asphaltum, quick-drying .....	\$0.50	
A-1485	Balsam, Canada, in 20 cc. collapsible tubes, each \$0.30 .....		\$1.00
A-1490	Balsam, Canada, dissolved in Benzole .....	.50	1.00
A-1495	Balsam, Canada, dissolved in Chloroform .....	.50	1.00
A-1500	Balsam, Canada, dissolved in Xylol .....	.50	
A-1505	Balsam, Canada, dissolved in Xylol, in 20 cc. tubes, each \$0.30 .....		
A-1530	Deane's Medium .....	.50	
A-1540	Gold Size .....	.40	.90
A-1555	King's Amber Cement, 15 cc., net, \$0.25 .....		
A-1560	King's White Cement, 15 cc., net, \$0.25 .....		
A-1565	King's Lacquer, Cell and Finish, blue, net.....	.65	
A-1570	King's Lacquer, Cell and Finish, scarlet, net.....	.65	
A-1585	Mayer's Albumen Fixative.....	.50	

EMBEDDING SUBSTANCES, CULTURE MEDIA, ETC.		30 grams	500 grams
A-1590	Agar-Agar, best quality, in shreds.....		\$1.25
A-1595	Beef Extract (Liebig's), in ¼ lb. cans, per can, \$1.25 ..		
A-1600	Celloidin (Schering's), in shreds, per ounce, \$1.25 ..		
A-1605	Gelatin, best white, gold label.....		.80
A-1610	Paraffin, hard, 52°-57° C., in 500 gr. cakes.....		.25
A-1615	Parffin, soft, 37°-43° C., in 500 gr. cakes.....		.25
A-6120	Peptonum Siccum (Witte's), in 100 gram bottles, per bottle, net, \$1.25 ..		
A-1625	Pith, for sectioning, per package.....		.10



## MICROSCOPIC

## GENERAL REAGENTS

Prices Include Containers in Every Case

REAGENTS	30 CC. or 25 grams	100 CC. or 125 grams.
Alcohol, absolute (Squibb's) .....500 cc., \$2.00		
Alcohol, absolute, 99.8% .....500 cc., 1.50	\$0.25	\$0.60
Alcohol, 95% .....500 cc., .80		
Alcohol, Methylc, 90%.....500 cc., .50		
Acid, Acetic, 80%.....	.25	.50
Acid, Acetic Glacial, C. P., 99.5.....	.35	.50
Acid, Carbolic, C. P., cryst.....	.40	.75
Acid, Carbolic, 2%.....	.25	.50
Acid, Chromic, C. P., cryst.....	.40	1.20
Acid, Citric, C. P.....	.25	.75
Acid, Formic, pure 90%.....	.40	1.50
Acid, Hydrochloric, C. P.....		
Acid, Nitric, C. P.....		
Acid, Osmic, per ½ gram capsule, \$1.25.....		
Acid, Picric, C. P. cryst.....	.25	.90
Acid, Succinic, C. P.....	.40	1.20
Acid, Sulphanilic.....	.40	
Acid, Sulphanilic sol.....	.40	.75
Acid, Sulphuric, C. P.....		
Aminonium Hydrate.....		
Barium Chloride Mixture, sol.....	.40	.75
Benzole, water white.....	.25	.50
Bromine, in bottle and can.....	.60	
Chloroform, pure.....	.50	.80
Dimethyl-amido-azo-benzole, 0.5% alc. sol.....	.40	.75
Ether (Squibb's), net.....		
Ether, Sulphuric, net.....		
Esbach's Reagent.....	.25	.50
Fehling's Solution No. I (Copper-sulphate sol.).....	.25	.50
Fehling's Solution No. II (Tartrate sol.).....	.25	.50
Ferric Chloride Solution.....	.40	.75
*Formaldehyde, 40% Solution.....		
Gram's Iodine Solution.....	.40	.75
Gower's Solution, for mixing blood.....	.40	.75
Glycerine .....	.25	.50
Gunzberg Reagent.....	1.00	
Hayem's Solution, for mixing blood.....	.40	.75
Haine's Solution.....	.75	1.50
Lyon's Solution, for mixing blood.....	.40	.75
Oil, Anilin .....	.25	.50
Oil, Cedar, for clearing.....	.40	1.20
Oil, Cedar, for immersion objectives.....	.40	1.00
Oil, Cloves .....	.25	.60
Oil, Turpentine, refined.....	.25	.50
Pappenheim's Solution.....	.25	.75
Phenol-phthalein .....	1.00	
Phenol-phthalein, sol. (0.5% in alcohol).....	.40	1.00
Potassium Ferrocyanide, pure.....	.40	1.00
Potassium Ferrocyanide, sol.....	.40	.75
Potassium Hydrate, sticks.....	.25	.60
Purdy's Solution.....	.40	.75
Resorcin .....	.75	
Resorcin, alc. sol.....	.40	1.00
Silver Nitrate .....	1.00	
Silver Nitrate, aq. sol., 1:250.....	.40	.75
Silver Nitrate, ammoniacal solution.....	.40	.75
Sodium Carbonate, C. P.....	.25	.50
Sodium Chloride, C. P., cryst.....	.25	.50
Sodium Hydrate, pure sticks.....	.40	.75
Sodium Hydrate, 40% aq. sol.....	.40	1.00
Sodium Nitrate .....	.65	1.35
Sodium Nitrate, 0.5% aq. sol.....	.40	1.00
Uranium Nitrate .....	1.25	
Uranium Nitrate, 5% sol.....	.40	1.00
Vaniline, per gram, \$0.40.....		
*Wilson's Mounting Medium, ten gal. can, \$7.50		
Xylol .....		.50

## MICROSCOPIC INSTRUMENTS



A-1630



A-1635



A-1636



A-1640



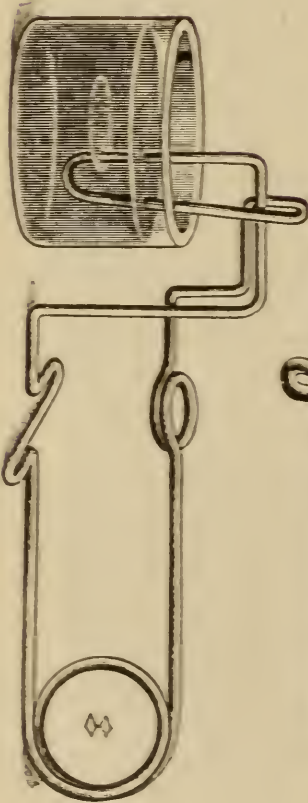
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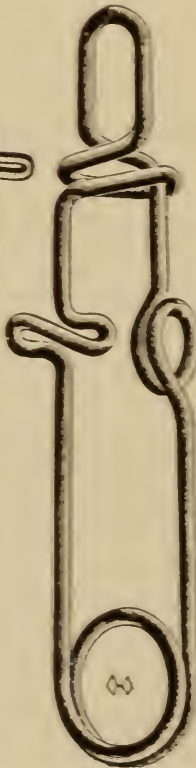
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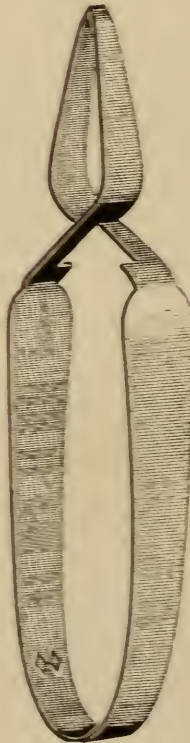
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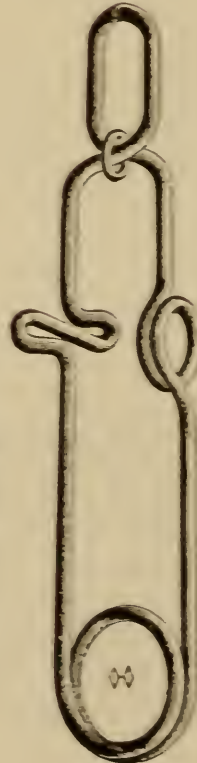
A-1680



A-1670



A-1655



A-1675



A-1682



MICROSCOPIC INSTRUMENTS



A-1725



A-1686



A-1685



A-1687



A-1710



A-1717



A-1705



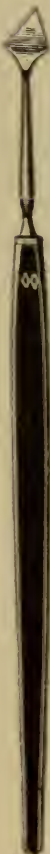
A-1700



A-1728

MISCROSCOPIC INSTRUMENTS

A-1630	Forceps, straight, fine, serrated points, 4½ inch..	\$0.50
A-1635	Forceps, curved, fine, serrated points, 4¼ inch....	.60
A-1636	Forceps, curved, fine, mouse tooth points, 4¼ inch.	1.10
A-1640	Forceps, cover glass, straight, thin blades, 4 inch.	.50
A-1645	Forceps, cover glass, bent, thin blades, 4 inch....	.70
A-1650	Forceps, cover glass, bent, cross action, thin blades, 4 inch .....	1.00
A-1655	Forceps, cover glass, Cornet's .....	.50
A-1660	Forceps, cover glass, Novy's, plain, 4½ inch....	.60
*A-1665	Forceps, cover glass, Novy's, slide catch, 4½ inch	1.50
A-1670	Forceps, cover glass, Stewart's, wire .....	.15
A-1675	Forceps, cover glass, plain, wire.....	.15
A-1680	Forceps, cover glass, Kalteyer's .....	.50
A-1682	Forceps, slide, Kirkbride's, for staining.....	.15
A-1685	Knife, scalpel, triangular shape, metal handle....	.60
A-1686	Knife, scalpel, bellied, metal handle.....	.60
A-1687	Knife, triangular shape, single edge, metal handle	.60
*A-1690	Knife, curved, probe pointed, metal handle.....	.60
A-1695	Knife, Lee's, triangular shape, metal handle.....	.60
A-1700	Needle, spear point, double cutting edge, aluminum handle .....	.35
A-1705	Needle, harpoon point, single cutting edge, aluminum handle .....	.40
A-1710	Needle, straight, fine, aluminum handle.....	.20
*A-1715	Needle, curved, fine, aluminum handle.....	.25
A-1717	Needle, hook shape, aluminum handle.....	.30
A-1725	Needle, bone handle, clamping .....	.10
A-1726	Needle, bone handle, clamping, set of 3 needles....	.50
A-1728	Needle, inoculating, platinum, glass handle, 4 cm., 75c; 8 cm.....	1.25



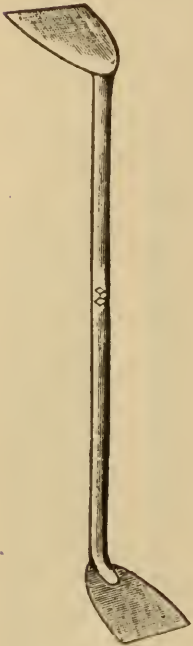
A-1695



B C D

A-1726

## MICROSCOPIC INSTRUMENTS



A-1735



A-1748



A-1753



A-1754



A-1749



A-1751



A-1752



A-1740



A-1745



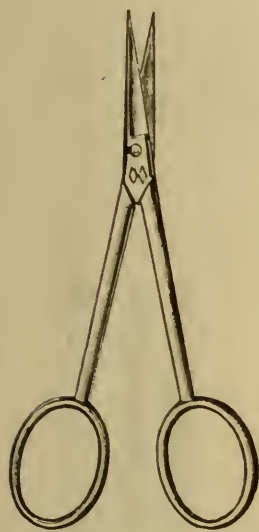
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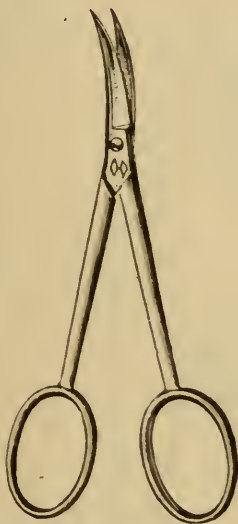
A-1750



MICROSCOPIC INSTRUMENTS



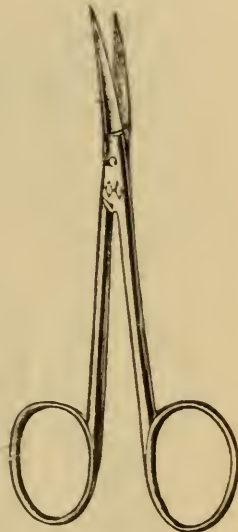
A-1755



A-1765



A-1770



A-1772

MICROSCOPIC INSTRUMENTS

*A-1730	Section Lifter, plain, all metal, German silver blade.....	\$0.25
A-1735	Section Lifter, plain, all metal, German silver blade.....	.75
A-1740	Section Lifter, $\frac{3}{8}$ inch wide.....	.50
A-1745	Section Lifter, $\frac{3}{4}$ inch wide.....	.55
A-1747	Section Lifter, 1 inch wide.....	.60
A-1750	Section Lifter, $1\frac{1}{4}$ inches wide.....	.70
A-1752	Section Lifter, round, perforated .....	1.25
A-1748	Section Lifter, angular blade, $\frac{1}{4}$ inch wide.....	.90
A-1749	Section Lifter, rigid blade, $\frac{3}{8}$ inch wide.....	.80
*A-1751	Section Lifter, rigid blade, $\frac{1}{8}$ inch wide.....	.90
A-1753	Section Lifter, angular blade, double, $\frac{1}{8}$ and $\frac{1}{4}$ inch wide.....	1.25
A-1754	Section Lifter, double ended, blades $\frac{7}{8}$ and $1\frac{1}{8}$ inch wide.....	1.25

MICROSCOPIC SCISSORS

A-1755	Scissors, straight, slender .....	\$0.80
*A-1760	Scissors, angular, slender .....	1.00
A-1765	Scissors, curved on flat, slender.....	.90
A-1770	Scissors, straight, dissecting, fine.....	.90
A-1772	Scissors, curved on flat, dissecting, fine.....	1.00

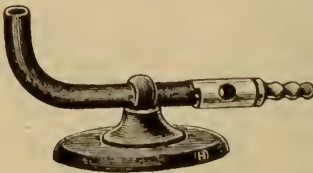
LABORATORY APPARATUS



A-1825



A-1815



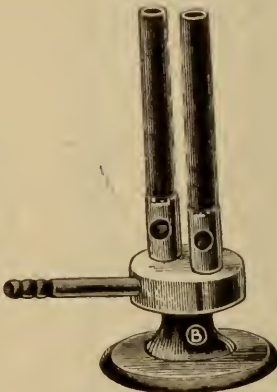
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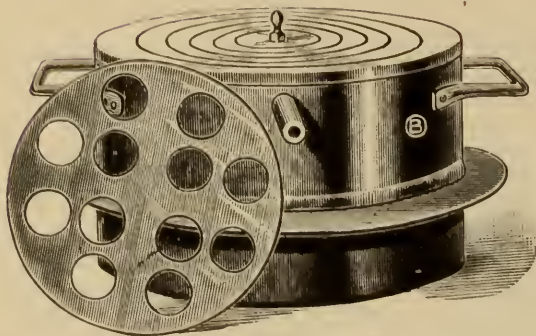
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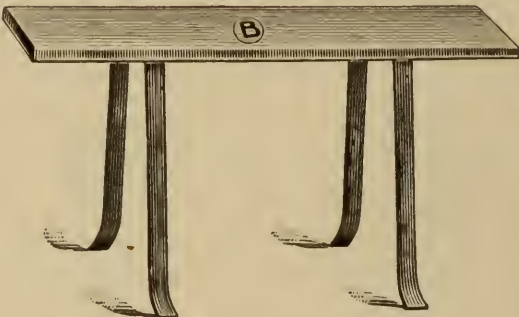
A-1905



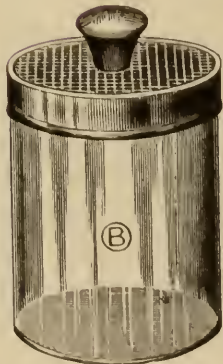
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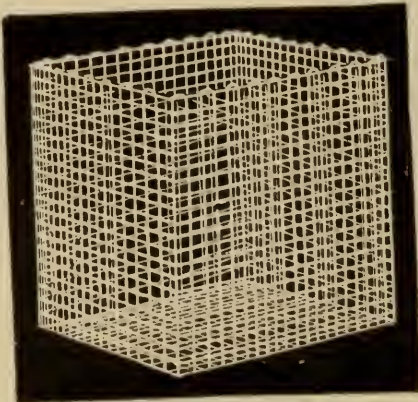
A-1785



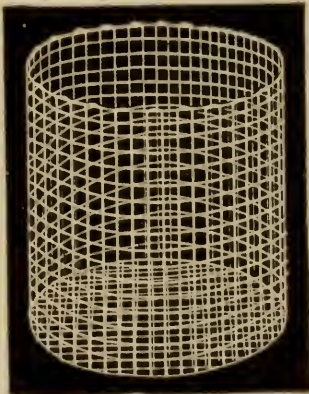
A-1780



A-1775



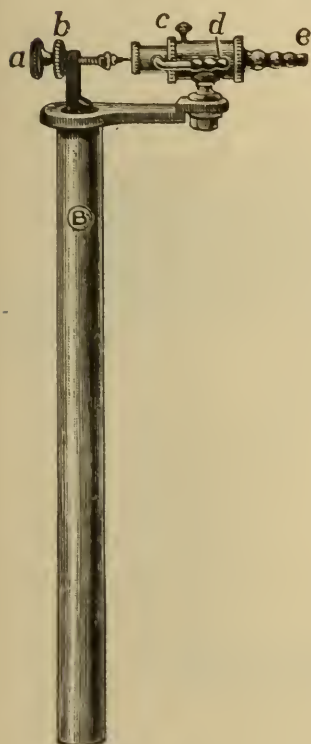
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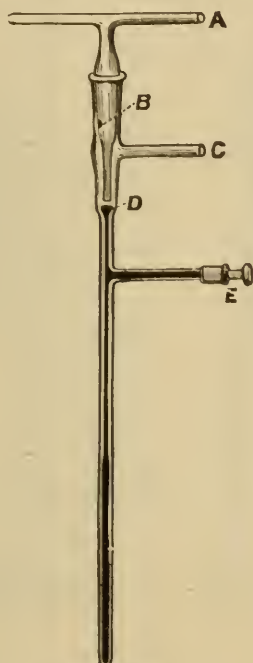
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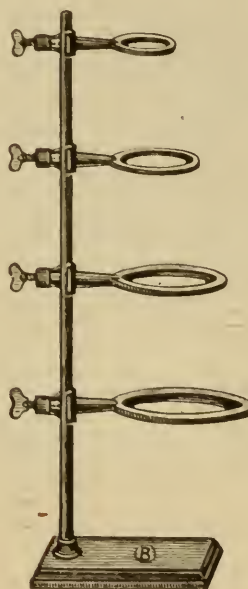
## LABORATORY APPARATUS



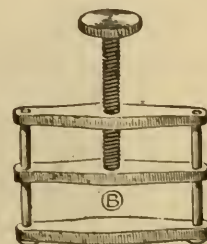
A-1875



A-1870



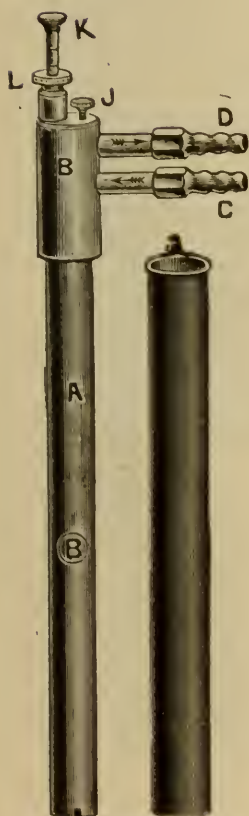
A-1900



A-1827



A-1830

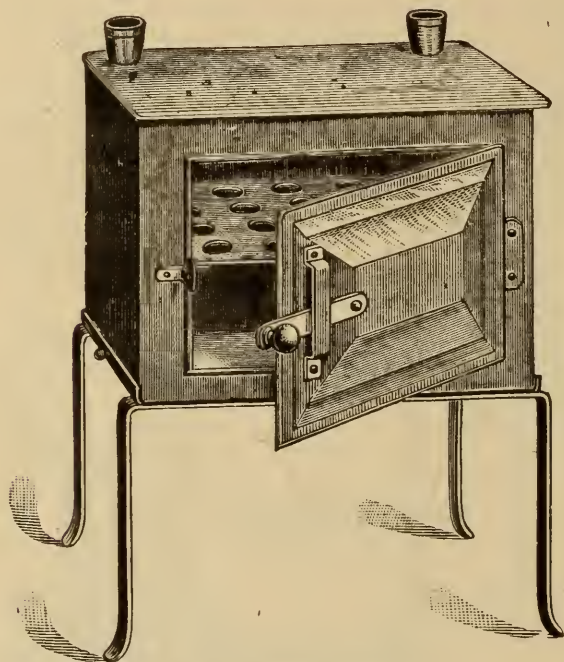


A-1868

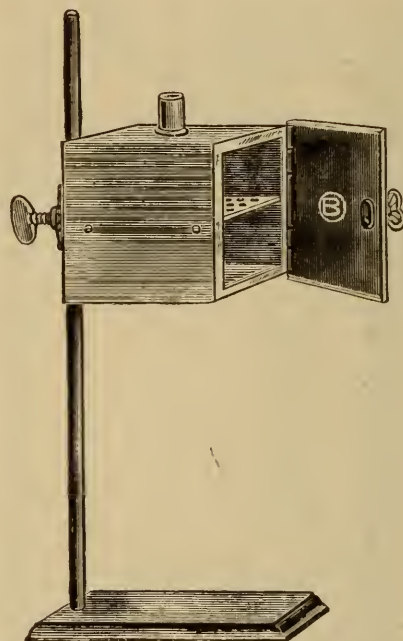
## LABORATORY APPARATUS

A-1775	Mouse Jar, glass, nickel plated cover, with wire cloth center, 5x7 inches.....	\$ 1.50
A-1780	Warming Plate of heavy copper, supported on iron legs .....	1.75
A-1785	Water Bath, polished copper, tin lined, 5 inch, \$3.00; 6 inch, \$3.75; 8 inch.....	6.00
A-1790	Wire Basket, square, for holding test tubes, size 6x6x6 inch .....	.85
A-1795	Wire Basket, round, for holding test tubes, 6 inches diameter, 6 inches high.....	.75
A-1800	Burner, Bunsen's, single tube, 6 inches high.....	.35
A-1805	Burner, Bunsen's, two tubes, 6 inches high.....	1.35
A-1810	Burner, Bunsen's, low form, 3 inches high.....	.50
A-1815	Burner, Bunsen's, micro, height 2 inches.....	.50
*A-1820	Clamp, iron, for burettes and small objects.....	.40
A-1825	Clamp, iron, for large objects .....	.60
A-1827	Clamp, Hoffman's, screw compressor, small, 25c; large .....	.35
A-1830	Clamp, Mohr's, for burettes, small, 10c; large....	.15
A-1868	Regulator, Greenman's .....	13.50
A-1870	Regulator, Reichert's improved .....	net 2.50
A-1875	Regulator, Roux's, bi-metallic, made entirely of metal, small size .....	net 10.00
A-1880	Regulator, Roux's, bi-metallic, made entirely of metal, large size.....	net 12.00
*A-1895	Support, rectangular base with two rings.....	.75
A-1900	Support, rectangular base with four rings.....	1.50
A-1905	Tripod, iron, 8 inches high, 4 rings, 85c; 5 rings, \$1.25; 6 rings.....	1.75

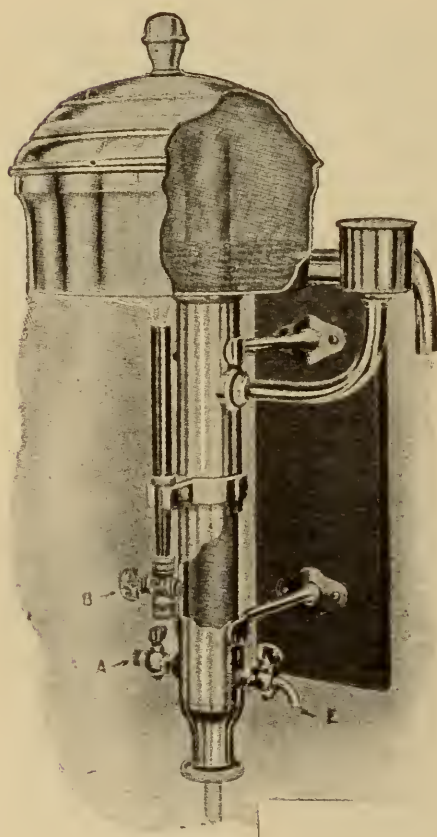
## LABORATORY APPARATUS



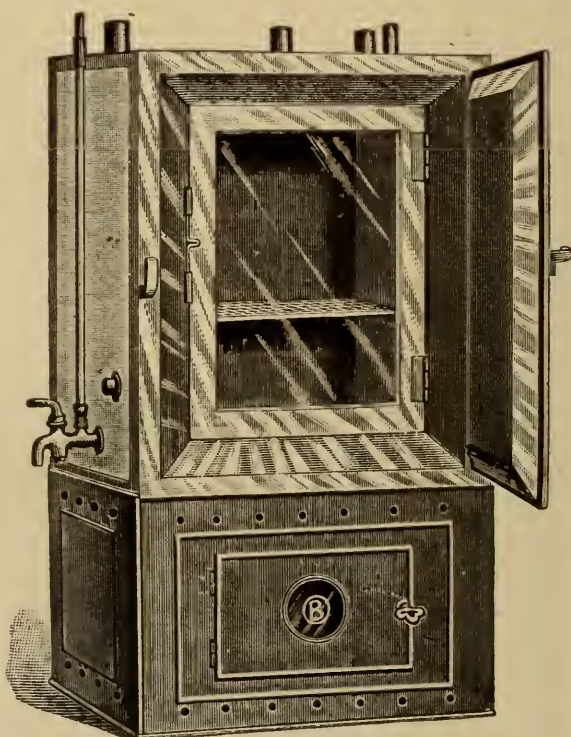
A-1835-1840-1845



A-1832



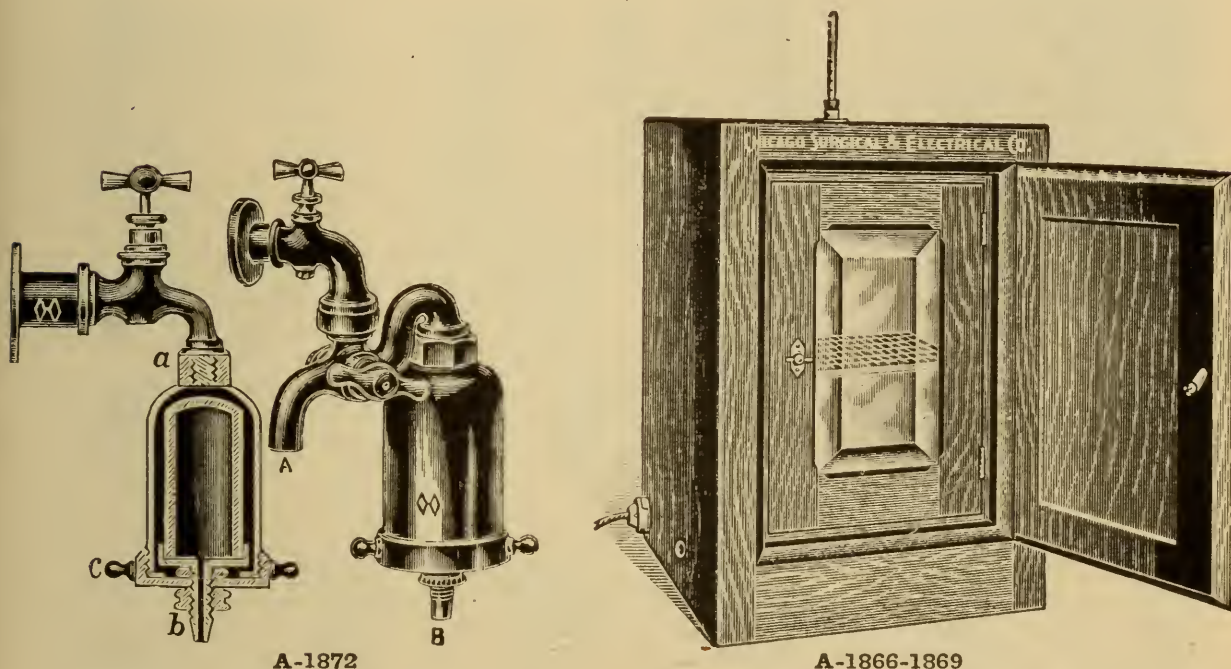
A-1885



A-1850-1855-1860



## LABORATORY APPARATUS



A-1872

A-1866-1869

## LABORATORY APPARATUS

A-1832	Drying Oven, for blood work, copper, size 4x4x4 inches.....	\$ 5.00
A-1835	Drying Oven, double wall, polished copper, size 6x8 inches, 1 shelf...	8.00
A-1840	Drying Oven, double wall, polished copper, size 8x10 inches, 1 shelf...	11.50
A-1845	Drying Oven, double wall, polished copper, size 10x12 inches, 2 shelves	16.00
A-1850	Incubator, laboratory, inside dimensions, height 14 inches, width 12 inches, depth 10 inches.....	90.00
A-1855	Incubator, laboratory, inside dimensions, height 12 inches, width 9 inches, depth 9 inches.....	70.00
A-1860	Incubator, laboratory, inside dimensions, height 9 inches, width 7 inches, depth 7 inches.....	50.00
Prices include thermometer, register and Bunsen burner.		
*A-1865	Incubator, physician's, inside measurements 8x9 inches.....	21.50
A-1866	Incubator, electric, No. 1, 9x7x7 inches.....	18.00
A-1867	Incubator, electric, No. 3, 12x9x9 inches.....	25.00
A-1868	Incubator, electric, No. 11, 15x12x10½ inches.....	42.50
A-1869	Incubator, electric, No. 2, 26x18x18 inches.....	55.00
*A-1871	Thermostat, electric, with condenser.....	12.00
A-1872	Filter, Berkefeld's laboratory, nickel plated—	
	Capacity, 1 litre in 50 seconds; 40 pounds pressure.....net	4.00
	Capacity, 1 litre in 40 seconds; 40 pounds pressure.....net	6.00
	Capacity, 1 litre in 30 seconds; 40 pounds pressure.....net	8.00
*A-1873	Cylinder, small, \$1.50; medium, \$2.00; large.....net	2.50
*A-1874	Two-way stop cock for use with above.....net	2.00
*A-1876	Wrench for opening filters .....	.50
*A-1884	Still, Jewell's, made of machined iron with boiling chamber enameled on the inside and the condensing tube carefully tinned. Capacity, half gallon per hour.....net	25.00
A-1885	Still, Jewell's, made of copper and brass, heavily tinned on the inside and nickel plated on the outside. Operated by gas. Capacity, one-half gallon per hour.....net	25.00

## Laboratory Glassware



A-1910



A-1915



A-1930



A-1940



A-1925



A-1960



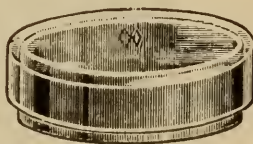
A-1920



A-1980



A-1970



A-1965



A-2085



A-1975



A-1990



A-1985



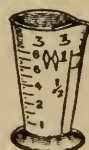
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A-2000



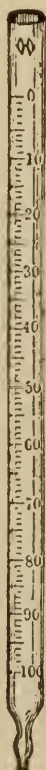
A-2025



A-2010



A-2075



A-1945



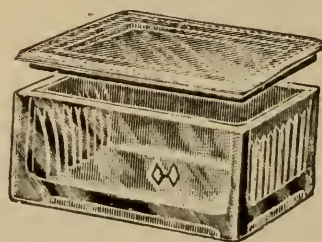
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A-2055



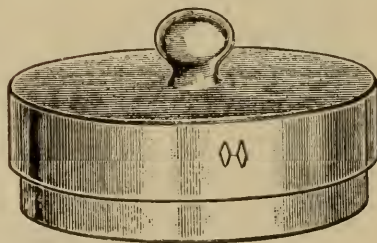
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A-2032



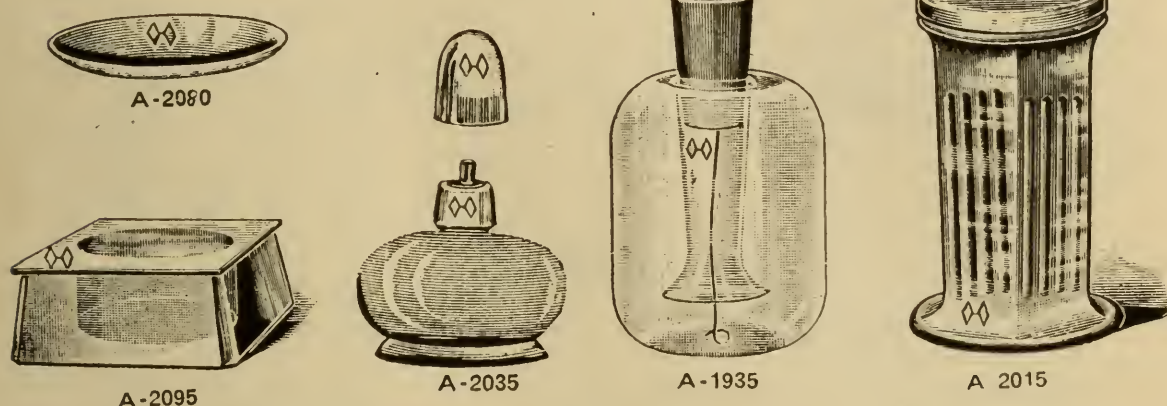
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A-2040



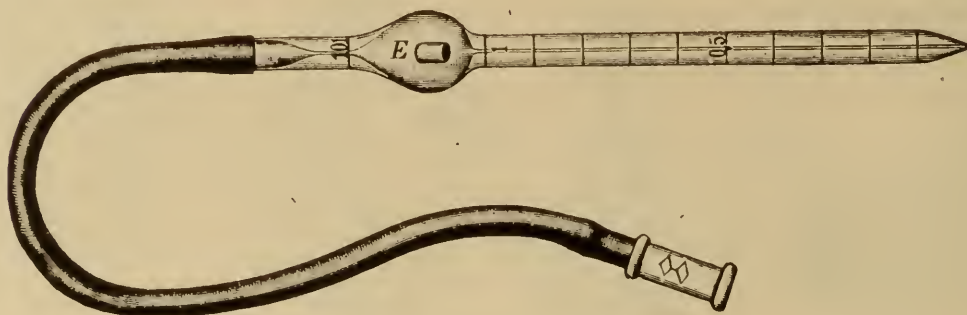
## Laboratory Glassware



## LABORATORY GLASSWARE

A-1910	Beakers, with lip, capacity cc.....	15	30	50	75	100	200	300	450
	Each \$0.10	.12	.15	.15	.20	.20	.25	.25	.25
A-1915	Bottle, Balsam, with dropper and glass cap.....								\$0.25
A-1920	Bottle, Dropping, ground stopper, bulb pipette, 30 cc.....								.25
A-1925	Bottle, Dropping, ground stopper, glass pipette, 30 cc.....								.25
A-1930	Bottle, Dropping, ground stopper, closed with half a turn, 30 cc.....								.35
A-1935	Bottle, Immersion Oil, unspillable .....								.60
A-1940	Bottle, Reagent, lettered, narrow mouth glass stopper, 125 cc., 32 reagents, each .....								.30
A-1945	Burette, Mohr's, 10 cc., 50c; 25 cc., 75c; 50 cc., \$1.50; 100 cc.....								1.75
A-1950	Burette, Mohr's, with stopcock, 10 cc., \$1.25; 25 cc., \$1.35; 50 cc.....								1.75
*A-1955	Burette connection, consisting of rubber tube, pinch cock and glass tip..								.35
A-1960	Dishes, Evaporating, porcelain, capacity cc..	50	100	150	200	300	750		
	Each	.25	.35	.45	.55	.65	1.00		
A-1965	Dishes, Petri's, 50 mm., 20c; 80 mm., 25c; 100 mm., 30c; 120 mm.....								.50
A-1970	Dishes, Pasteur, 100 mm.....								.25
A-1975	Dishes, Preparation, loose cover, 50 mm., 25c; 60 mm., 35c; 80 mm.....								.50
A-1980	Dishes, Stender, 50 mm., 25c; 60 mm., 30c; 80 mm., 40c; 100 mm.....								.50
A-1985	Flasks, Erlenmeyer, capacity cc.....	30	60	120	250	500	1000	2000	
	Each	.10	.12	.15	.20	.30	.35	.50	
A-1990	Flasks, Koch's, capacity cc.....	30	60	120	250	500	1000	2000	
	Each	.10	.12	.15	.20	.25	.35	.60	
A-1995	Funnels, plain .....								\$0.10 to .40
A-2000	Funnels, ribbed .....								.15 to .50
*A-2005	Glass Rod, diameter 2 to 12 mm., per pound.....								.50
*A-2006	Glass Tubing, outside diameter 2 to 25 mm., lengths 1½ meters, per lb.								.60
A-2010	Graduates. Graduated both in cubic centimeters and ounces.								
	Capacity cc. ....	15	30	60	125	250	500	1000	
	Each	.25	.35	.40	.55	.80	1.35	2.50	
A-2015	Jars, Coplin's, staining .....								.50
*A-2020	Jars, Specimen, 200 cc., 15c; 300 cc., 20c; 500 cc., 25c; 700 cc.....								.35
A-2025	Jars, Specimen. With mouth same size as body. Rubber gasket and clamp. Suspension rings on under side of glass cover.								
	Height mm. ....	100	150	200	300	150	200	300	375
	Diam. mouth mm. ....	57	57	57	57	88	88	125	125
	Each	.70	.75	.80	.90	1.05	1.15	1.35	2.00
	We can furnish larger sizes upon application.								
*A-2030	Jars, Specimen, Rectangular. White glass. Ground glass covers.								
	Height mm. ....	100	125	125	150	150	200	200	
	Length mm. ....	65	100	100	100	75	100	125	150
	Width mm. ....	50	40	100	50	75	100	100	75
	Each	.65	.75	1.30	1.30	1.30	1.50	2.20	2.50
A-2032	Jar, square, staining, with cover, for 10 slides.....								.35
A-2035	Lamps, Alcohol, glass, 1 oz., 40c; 2 oz., 50c; 4 oz.....								.60
A-2040	Moist Chamber, glass, diameter, 200 mm., \$1.25; 240 mm.....								2.00
*A-2045	Pipettes, straight or curved, with bulb, per dozen.....								.50
*A-2050	Pipettes, straight, glass, 8 inch, 15c; 12 inch.....								.20
A-2055	Pipettes, Mohr's, 1 cc., 35c; 2 cc., 40c; 5 cc., 50c; 10 cc., 60c; 25 cc., 75c; 50 cc. ....								1.00
A-2060	Pipettes, Volumetric, 1 cc., 10c; 5 cc., 15c; 10 cc., 20c; 25 cc., 30c; 50 cc..								.40
A-2062	Plate, Traube's, Sputum, diameter 20 cm., one-half of bottom black....								.75
*A-2065	Test Tubes, best clear thin glass; 4 inch, per dozen, 20c; 5 inch, per doz., 25c; 6 inch, per doz.....								.30
A-2070	Thermometer, Chemical, all glass, grad. to 100° Cent., \$1.25; 150°, \$1.50; 250° .....								1.75
A-2075	Thermometer, Incubator, graduated to 50° Cent.....								2.50
A-2080	Watch Glasses. Thin. Concave form. Diameter mm.	40	50	75	100	120			
	Per 10	.25	.30	.65	1.00	1.75			
A-2085	Watch Glasses, Syracuse, diameter 65 mm., per 10.....								.50
A-2090	Watch Glasses, Syracuse, with ground beveled surface, per 10.....								.75
A-2095	Watch Glasses, square, per 10 .....								.50

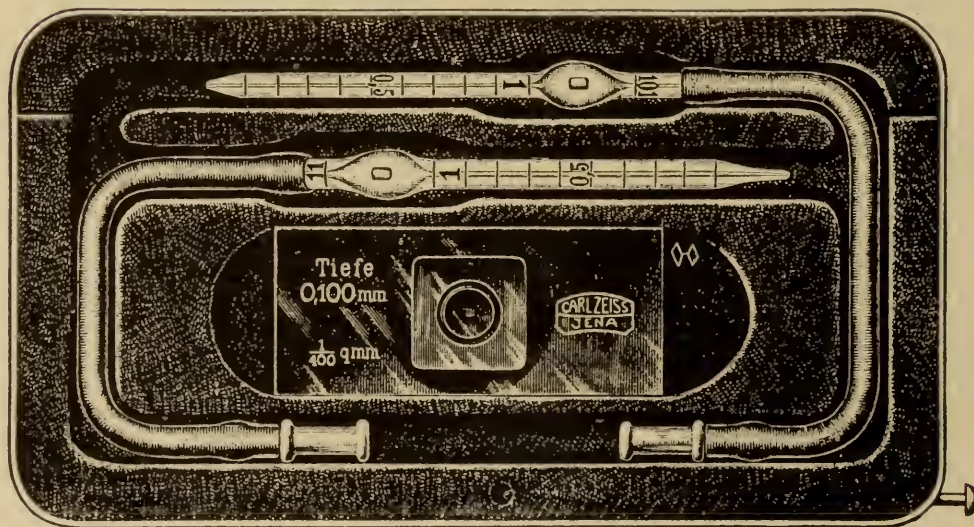
## DIAGNOSTIC



A-2120-2125



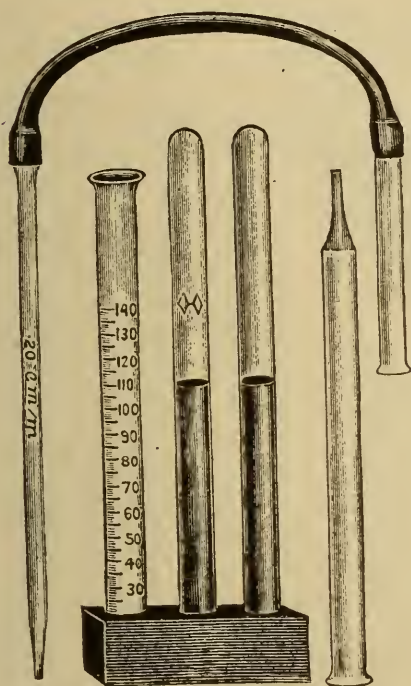
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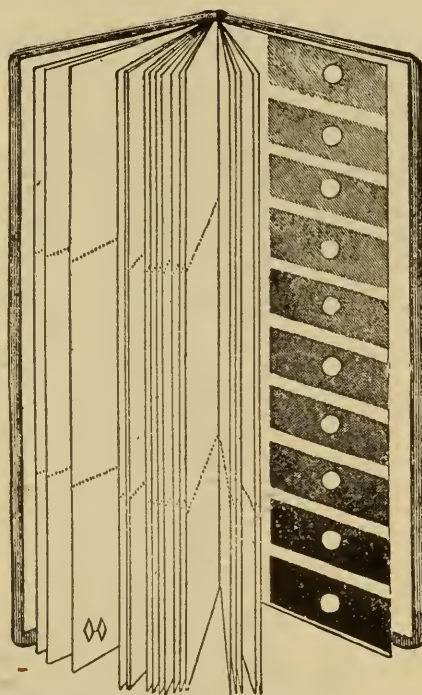
A-2100



## DIAGNOSTIC



A-2140

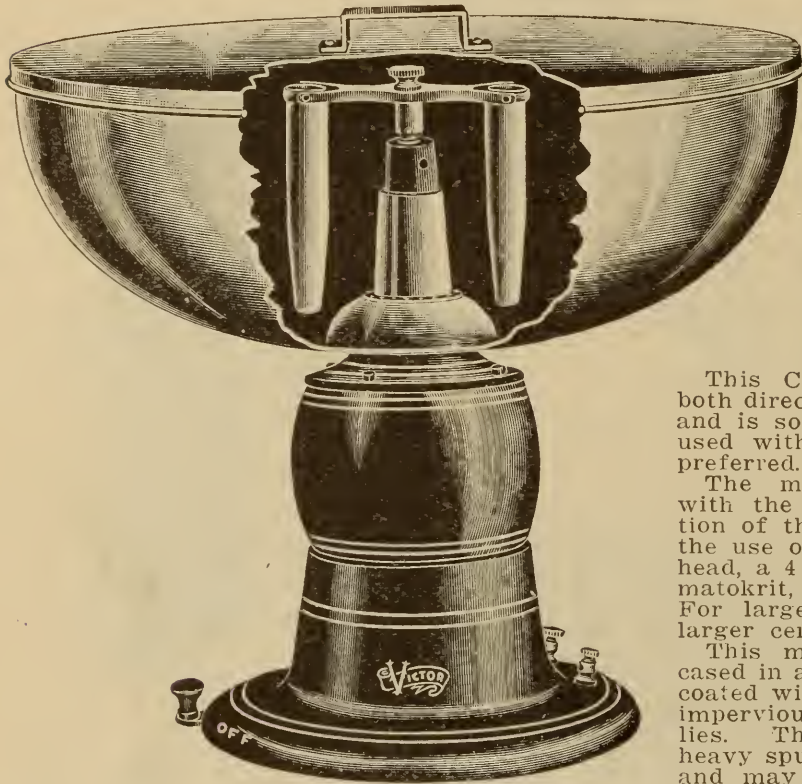


A-2150

## APPARATUS FOR BLOOD TESTING

- A-2100 Thoma Zeis's Haemacytometer.  
Haemacytometer, complete in case, with one Thoma pipette for counting red corpuscles only, and Thoma counting chamber.....\$11.00  
Haemacytometer, complete in case, with both Thoma pipettes for counting red and white corpuscles, and Thoma counting chamber..... 13.50  
A standard instrument for counting the number and ascertaining the percentage of white corpuscles in human blood. A measured quantity of blood in a capillary pipette is diluted with a normal solution in known proportions; a drop of this mixture is deposited upon a small sunken counting chamber and a cover placed thereon. This glass counting chamber is ruled in minute squares and the number of corpuscles in a number of squares is counted with a medium power microscope objective.
- A-2103 Thoma-Metz's Haemacytometer, for counting red and white corpuscles, in case. Instead of a ruling in the slide, a glass plate with ruling is mounted in a microscopic eyepiece. To find the number of red corpuscles in a cmm. of blood, dilute as customary, 1:100, count the corpuscles in the large square and append 00,000 (5 ciphers) to this figure. For white corpuscles dilute 1:10 as customary, count the number of corpuscles visible in the large circle, and append 000 (3 ciphers) ..... 19.25
- \*A-2105 Counting Chamber, Thoma rulings, with two cover glasses, in case.... 6.90  
\*A-2110 Counting Chamber, Zappert's rulings, with two cover glasses, in case 7.75  
\*A-2115 Counting Chamber, Tuerk's rulings, with two cover glasses, in case.. 9.60  
A-2120 Extra Pipettes, for red corpuscles, 1-100 ..... 2.50  
A-2125 Extra Pipettes, for white corpuscles, 1-10 ..... 2.50  
\*A-2130 Haemometer, Von Fleischl's, a standard instrument for obtaining the percentage of haemoglobin in the blood by dilution of a fixed quantity with a measured amount of distilled water, comparing the resulting color with successive parts of a glass wedge of fixed colors varying in depth. Price, complete, in case..... 28.50
- \*A-2132 Haemometer, Sahli's, with hard rubber stand, in case..... 7.50  
A-2140 Haemoglobinometer, Gower's, deals with a measured amount of blood diluted with distilled water in a graduated tube until it is of the same color as the tinted tube provided, when the percentage is read off on the scale. Accurate to within about 5 or 10 per cent. Latest modification after Sahli, for using either day or night..... 3.00
- \*A-2145 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 ..... 22.50
- A-2150 Haemoglobinometer, Talquist's, is a simple bedside test and adapted to the use of every physician on account of the ease and accuracy with which the test may be made, and its inexpensiveness. It 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..... 1.75

## DIAGNOSTIC

**VICTOR No. 2  
CENTRIFUGE**

This Centrifuge has a wide range of usefulness, is of heavy construction, is capable of operating at a higher speed, will handle larger volumes, and is equipped with a controlling rheostat which permits of the Centrifuge being operated at three different speeds.

This Centrifuge is operable on both direct and alternating currents and is so designed that it may be used with or without a dome, as preferred.

The maximum speed, together with the staunchness of construction of this Centrifuge, permits of the use of either a 2 tube 15 c. c. head, a 4 tube 15 c. c. head, a haematokrit, or a 2 tube 50 c. c. head. For larger capacities, one of the larger centrifuges is recommended.

This machine is completely incased in an iron jacket, and heavily coated with black enamel, which is impervious to both acids and alkalis. The protective dome is of heavy spun copper, a natural finish, and may be easily removed from the Centrifuge for cleaning, etc.

- A-2181 Victor No. 2 Centrifuge, arranged for both 110 volt direct and alternating currents, complete with three point controlling rheostat and attachment cord and plug, but not including revolving head, metal tubes, glass tubes or protective dome.....\$32.00
- A-2182 Victor No. 2 Centrifuge, arranged for both 220 volt direct and alternating currents, complete as listed above..... 34.75

**VICTOR No. 4 CENTRIFUGE**

This is a more powerful machine than the "No. 3" or "No. 2" Centrifuges, and has a wider range of usefulness.

The essential differences between this model and those previously described are:

Wider range of speed.

Operates at five different speeds.

Heavier construction.

Protective dome an integral part of Centrifuge, and of same construction as balance of machine.

Motor is entirely shut off from Centrifuge chamber, which eliminates any danger of possible combustion if highly inflammable ingredients are used.

Design permits of use of greater variety of multiple tube heads and of greater speed than the smaller Centrifuges.

This Centrifuge, in common with all other Victor Centrifuges, is arranged for operation on both direct and alternating currents.

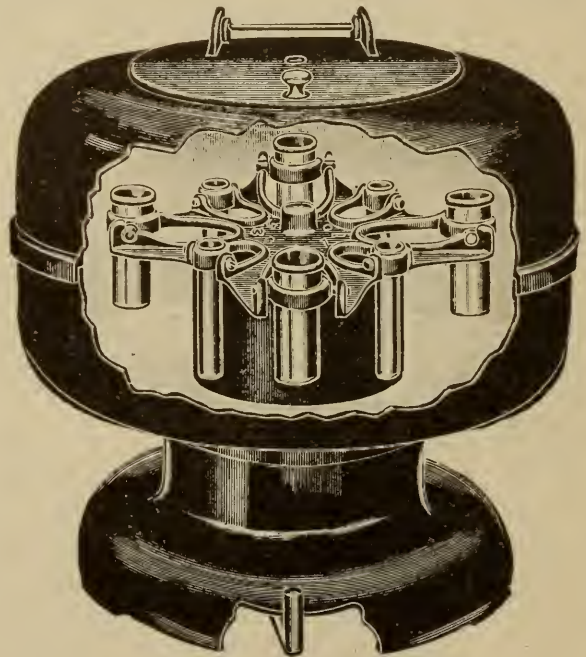
- A-2178 Victor No. 4 Centrifuge, arranged for both 110 volt direct and alternating currents, equipped with five point speed control and attachment cord and plug, but not including revolving head, trunnion rings, metal tubes or glass tubes.....\$56.00
- A-2179 Victor No. 4 Centrifuge, arranged for both 220 volt direct and alternating currents, as listed above..... 59.00

**VICTOR PROTECTIVE DOME**

- A-2192 Victor Protective Dome for No. 2 Victor Centrifuge..... 9.65

NOTE: Circulars giving complete detailed information on Victor Electric Centrifuges mailed on request.

Special catalogue showing complete line sent on request.





## DIAGNOSTIC

## ELECTRIC CENTRIFUGES

For the General Practitioner's Laboratory Equipment

These Centrifuges have been in use throughout the United States and Canada for many years. They are made by the International Instrument Company, whose reputation for substantial, simple and satisfactory centrifuge construction has been firmly established.

The trade mark



Guarantees satisfaction.

## Urine Should Be Tested

Furnished for—

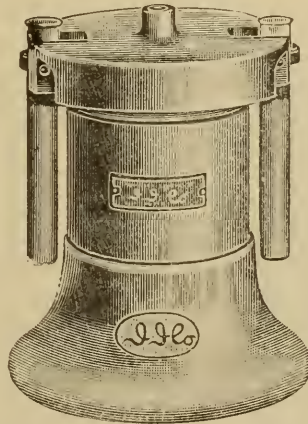
110 Volt Direct Current.

220 Volt Direct Current.

110 Volt, 60 Cy. Alt. Cur.

220 Volt, 60 Cy. Alt. Cur.

In ordering, the exact description of electric current should be stated as above.



The alternating current machines may be used and are regularly furnished without speed control rheostats. The direct current machines are furnished with rheostats.

## Mothers' Milk Should Be Tested

## Prices

A-2151	I. I. Co. Centrifuge, 110 V. D. C., with rheostat, without glass tubes...	\$26.00
A-2152	I. I. Co. Centrifuge, 220 V. D. C., with rheostat, without glass tubes...	26.00
A-2153	I. I. Co. Centrifuge, 110 V. A. C., 60 cycle, without rheostat, without glass tubes.....	23.40
A-2154	I. I. Co. Centrifuge, 220 V. A. C., 60 cycle, without rheostat, without glass tubes.....	23.40
A-2156	Plain Glass Tubes, 15 c. c., Purdy style, for urine, etc., per dozen.....	1.60
A-2157	Graduated Glass Tubes, 15 c. c., Purdy style, for urine, etc., each.....	.45
A-2158	Babcock Test Tubes, glass, for mothers' milk, each.....	.45
A-2159	Hopkins' Vaccine Tubes, each.....	1.20
A-2161	Rubber Caps for 15 c. c. tubes, per dozen.....	.90
A-2162	Speed Revolution Counter.....	1.50

## VICTOR No. 2 CENTRIFUGE ACCESSORIES

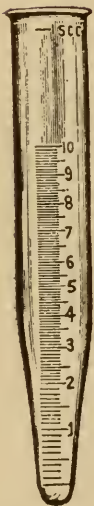
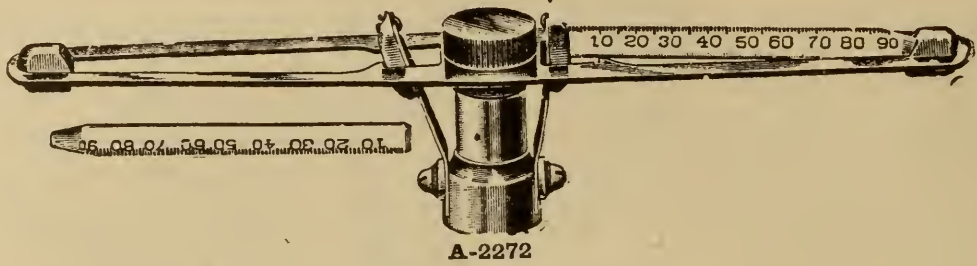
A-2163	Victor 2 tube 15 c. c. head with attached trunnion rings.....	\$ 4.50
A-2163a	Victor 4 tube 15 c. c. head with attached trunnion rings.....	6.45
A-2163b	Victor 2 tube 50 c. c. head without trunnion rings.....	6.00
A-2163c	Victor Board of Health head with 20 glass tubes and 40 rubber stoppers.....	14.57
A-2163d	Victor 15 c. c. trunnion rings, each.....	.65
A-2163e	Victor 50 c. c. trunnion rings, each.....	.40
A-2163f	Victor 15 c. c. aluminum tubes, each.....	.30
A-2163h	Victor 50 c. c. bronze tubes, each.....	.65
A-2163i	Victor trunnion for Babcock bottle, each.....	.65
A-2163j	Victor Haematokrit.....	5.50

## VICTOR No. 4 CENTRIFUGE ACCESSORIES

A-2164	Victor 2 tube 15 c. c. head with attached trunnion rings.....	\$ 3.65
A-2164a	Victor 4 tube 15 c. c. head with attached trunnion rings.....	7.25
A-2164b	Victor 8 tube 15 c. c. head with attached trunnion rings.....	12.10
A-2164c	Victor 2 tube 50 c. c. head without trunnion rings.....	6.00
A-2164d	Victor 4 tube 50 c. c. head without trunnion rings.....	7.85
A-2164e	Victor 8 tube 50 c. c. head without trunnion rings.....	12.10
A-2164f	Victor Board of Health head, complete with tubes and stoppers.....	14.57
A-2164g	Victor 15 c. c. trunnion rings.....	.30
A-2164h	Victor 50 c. c. trunnion rings.....	.40
A-2164i	Victor 15 c. c. bronze tubes.....	.50
A-2164j	Victor 50 c. c. bronze tubes.....	.65
A-2164k	Victor trunnion cups for Babcock bottle.....	.65

NOTE: Glass Tubes and other accessories for Centrifuges will be found on pages 56 and 57.

CENTRIFUGE ACCESSORIES



A-2295



A-2300



A-2275



A-2285



A-2242



A-2253



A-2311



A-2243



A-2250



A-2252



A-2290



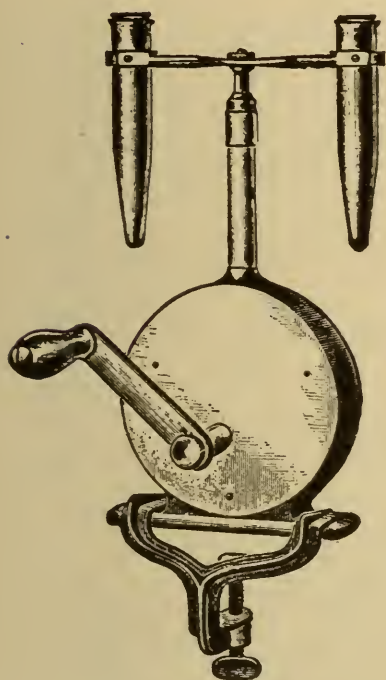
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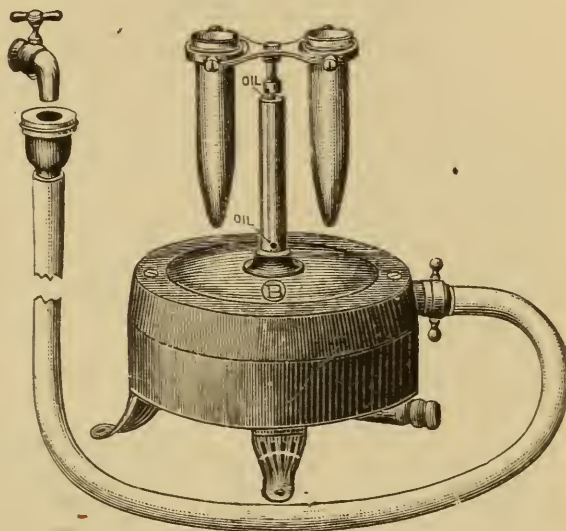
A-2256



## CENTRIFUGES



A-2230

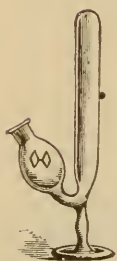


A-2240

## CENTRIFUGES AND ACCESSORIES

A-2230	Hand Centrifuge, complete with one graduated and one plain 15 cc. tube.	\$ 8.00
*A-2235	Hand Centrifuge, double speed, complete with one graduated and one plain 15 cc. tube, two sputum tubes, one Daland's Haematokrit and pipette for filling tubes.	12.00
A-2240	Water Power Centrifuge, complete with one graduated and one plain 15 cc. tube.	12.00
A-2242	Blood Lancet, automatic, light pattern	2.00
A-2243	Blood Lancet, automatic	2.25
A-2245	Blood Lancet, Boldt's	2.25
A-2250	Blood Lancet, Moore's	2.25
A-2252	Blood Lancet, plain reversible	.50
A-2253	Blood Needle, McRae's, for Wassermann test, with test tube.	1.25
*A-2254	Blood Pipette, Manley's, complete with needle and rubber tubings, 10 cc., 75c; 20 cc., 85c; 30 cc.	1.00
A-2256	Blood Pipette, automatic, for filling blood tubes.	.75
*A-2260	Centrifuge Clamp, for attaching the centrifuge to the table.	.50
*A-2265	Centrifuge Four-Tube Attachment. This attachment is used in board of health and other laboratories for milk analysis, etc., as four tests can be made at one time.	5.00
*A-2270	Centrifuge Guard for Haematokrit. This attachment consists of a metal shield which fits over the haematokrit, so that the revolving parts are entirely closed.	2.00
A-2272	Centrifuge, Haematokrit, Daland's	3.50
A-2275	Centrifuge Milk Tubes. These tubes are used for milk analysis in place of the regular sedimentation tubes and are graduated to give percentage readings of fats in milk according to the Leffman-Beam or Babcock methods. Very useful for human as well as cow's milk analysis	.75
*A-2280	Centrifuge Percentage Tubes. For the haematokrit. With accurate lumen, lens-edge to magnify column of blood and the graduations, and graduated in millimeters from 0 to 100.	.60
A-2285	Centrifuge Pipette. For filling milk tubes. Graduated to 1 cc.	.20
A-2290	Centrifuge Pipette. For filling haematokrit tubes	.40
A-2295	Centrifuge Sedimentation Tubes. Graduated in 1-10 cc. to 10 cc., with conical end to aid in reading small deposits.	.40
A-2300	Centrifuge Sedimentation Tubes. Ungraduated. For collecting sediments for microscopical examination.	.20
*A-2305	Centrifuge Shield Tubes. Of aluminum. These shields protect the glass sedimentation tubes. They are regularly furnished with the centrifuge, but are listed extra for renewal in case of damage.	.40
*A-2310	Centrifuge Sputum Tubes. For use in haematokrit frame. Same shape as percentage tubes. Ungraduated.	.25
A-2311	Milk Bottle, Babcock's, for 10 per cent fat, per dozen	3.60
A-2312	Stopper, Bunnell's, for blood pipette. Used for closing the pipette after taking blood at bedside. Where the pipette must be carried from the bedside to the laboratory for counting this little stopper will be found practical and useful	.50

## APPARATUS FOR URINALYSIS



A-2325



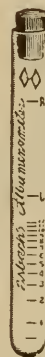
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A-2340



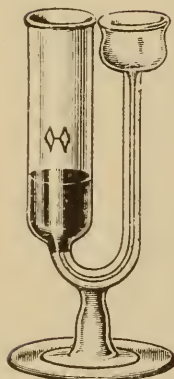
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A-2315



A-2360



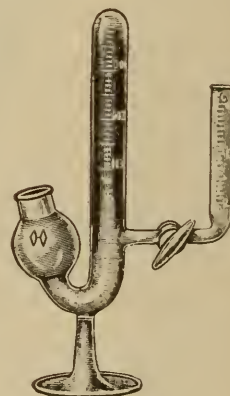
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A-2410



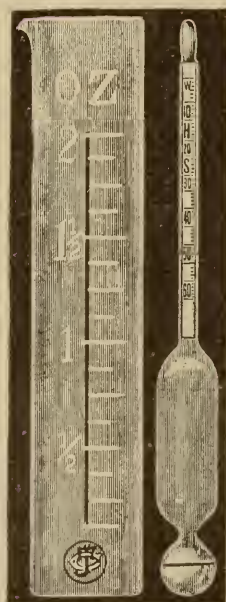
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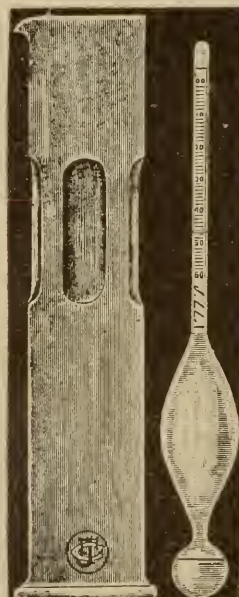
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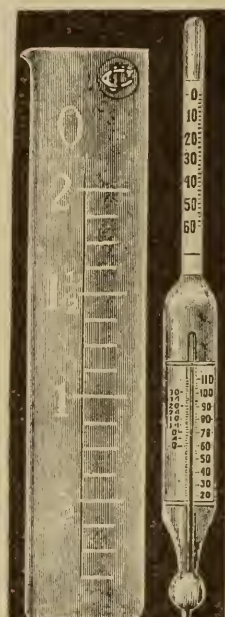
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A-2435



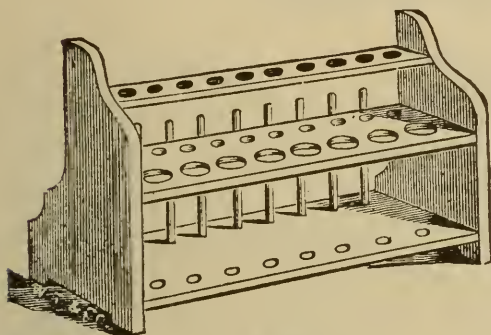
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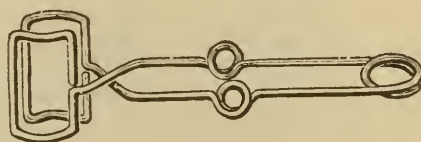
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## APPARATUS FOR URINALYSIS



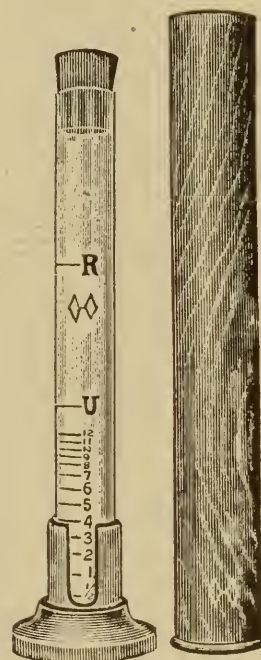
A-2375



A-2365



A-2460

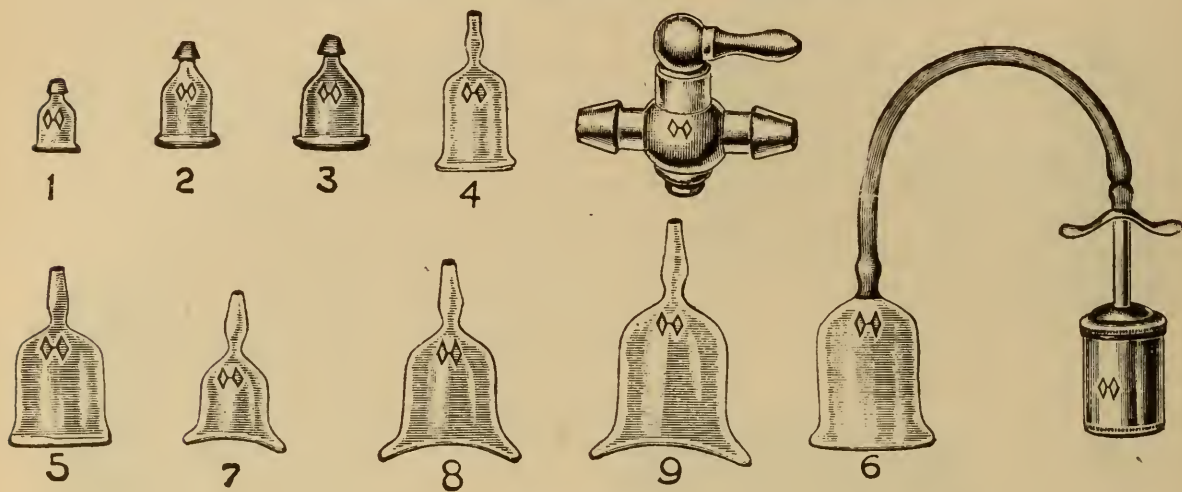


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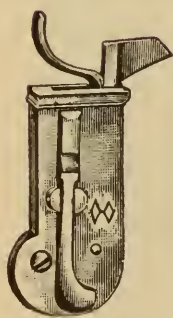
## APPARATUS FOR URINALYSIS

A-2315	Albuminometer, Esbach's, for quantitative estimation of albumen in urine .....	\$0.75
A-2316	Albuminometer, Esbach's, on wood stand.....	.90
A-2320	Albumoscope, for detection of albumen in urine with nitric acid. It is quick and sensitive (to 1-60 per cent), bringing the acid full strength into contact with the urine.....	1.50
A-2325	Fermentation Tube, ungraduated.....	.35
*A-2330	Fermentation Tube, graduated.....	.50
A-2335	Pipette, ordinary, per dozen.....	.30
A-2340	Pipette, long, 8 inch, \$0.20; 12 inch.....	.25
A-2345	Saccharometer, Einhorn's, fermentation.....	1.00
A-2355	Sedimentation Glasses, conical, 100 cc. capacity.....	.60
A-2360	Test Tubes, 4 inch, 5 inch and 6 inch, per dozen.....	.30
A-2365	Test Tube Holder, wire .....	.15
A-2375	Test Tube Rack, to hold 10 tubes.....	1.25
*A-2380	Test Paper, Congo, per dozen books.....	.50
*A-2385	Test Paper, Litmus, blue, per dozen books.....	.40
*A-2390	Test Paper, Litmus, red, per dozen books.....	.40
*A-2400	Test Pencil, Litmus, red and blue.....	.25
*A-2405	Urea Apparatus, Squibb's, for estimation of urea in urine by displacement. Complete, with 50 cc. bottle of reagent.....	2.50
A-2410	Ureometer, Doremus', for rapidly estimating amount of urea by hypobromate method. With graduated pipette and graduated fermentation tube on foot .....	1.10
*A-2415	Wiecometer, Doremus', same as above, without foot.....	.80
*A-2420	Ureometer, Doremus-Hinds', improved form with glass stop cock in connection between graduated side tube and fermentation tube by which a definite amount of urine is admitted to the fermentation tube without the escape of gas.....	2.50
A-2425	Ureometer, Doremus-Hinds', on glass foot.....	3.00
A-2430	Urinometer, plain .....	.40
A-2435	Urinometer, milk glass scale, and graduated jar.....	.80
A-2440	Urinometer, Squibb's pattern .....	1.00
A-2445	Urinometer, with thermometer .....	1.75
*A-2455	Urine Test Set, complete with reagents, as illustrated.....	6.50
A-2460	Urine Test Set, Douglass', same as above but with removable glass base plate of opal glass.....	7.50

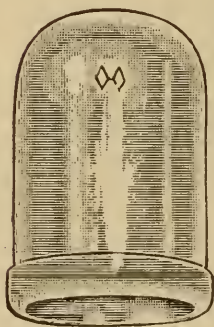
## CUPPING AND LEECHING



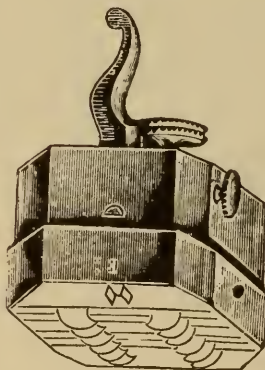
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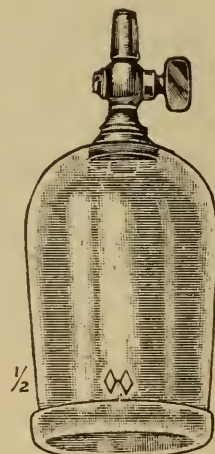
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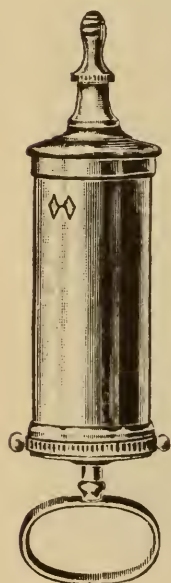
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A-2555



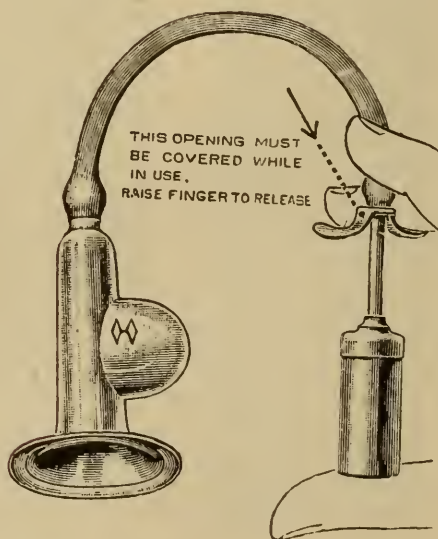
A-2500



A-2556



A-2535



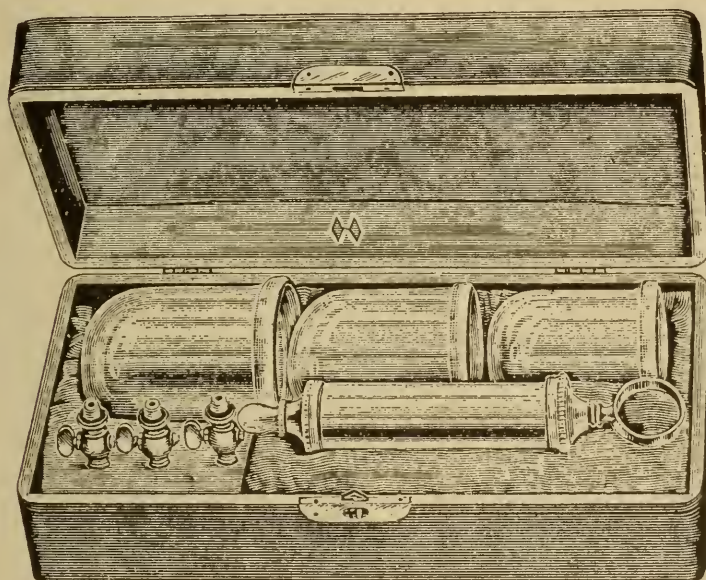
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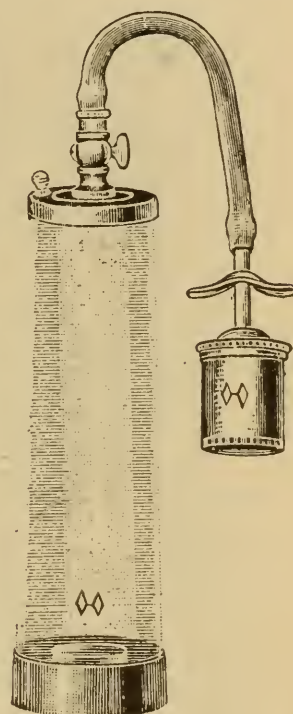
## CUPPING AND LEECHING



A-2475



A-2520



A-2480

## CUPS, SCARIFIERS, ETC.

A-2475	Baunscheidt's Instrument, for counter irritation.....	\$2.00
A-2480	Congester, Penis, soft rubber tube and metal pump, with release valve and stop cock .....	4.50
A-2495	Cupping Cups, glass, plain, 3 sizes .....	each .20
A-2500	Cupping Cups, glass, plain, with stop cock, 3 sizes.....	each 1.50
*A-2505	Cupping Cups, with soft rubber suction bulb, 3 sizes.....	each .50
A-2520	Cupping Set, with 3 glass cups and stop cocks, metal suction pump, in case .....	6.75
*A-2522	Cupping Set, complete with 4 cupping cups, 1 breast developer, and 1 penis congester with rotary suction pump.....	8.75
A-2523	Cupping Set, Yale, with Yale vacuum pump, 3 cups, Nos. 4, 5, and 6, in leatherette covered box .....	3.00
A-2524	Cupping Set, Yale, with Yale vacuum pump, Cups Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, stop cock and tubing as illustrated.....	6.00
*A-2525	Cupper, Thomas', dry, hard rubber, 3 sizes.....	1.75
*A-2530	Developer, Breast, glass, with rubber bulb .....	2.00
A-2535	Developer, Breast, glass, with metal suction pump and stop cock.....	3.00
*A-2540	Developer, Breast, glass, with metal rotary suction pump and release valve .....	3.00
*A-2545	Pump, Breast, glass, with rubber bulb .....	.75
*A-2550	Pump, Breast, glass, with rotary metal suction pump.....	2.00
A-2551	Pump, Breast, Yale .....	1.00
A-2555	Scarificator, reversible, 12 blade .....	5.25
*A-2552	Scarificator, reversible, 10 blade .....	5.00
*A-2553	Scarificator, reversible, 8 blade .....	4.75
A-2554	Spring Lancet, fine, in case.....	1.75
A-2556	Suction Pump, small, \$2.50; medium, \$3.25; large.....	4.00

NOTE.—A circular giving complete list of Biers' cups for artificial hyperemia mailed on request.

## INFUSION



A-2697



A-2700



A-2705



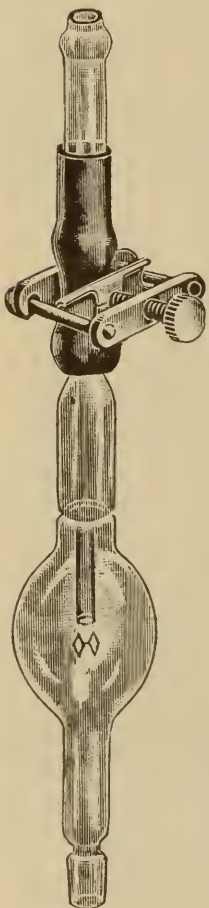
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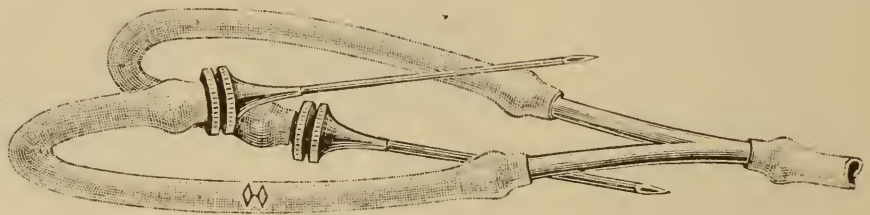
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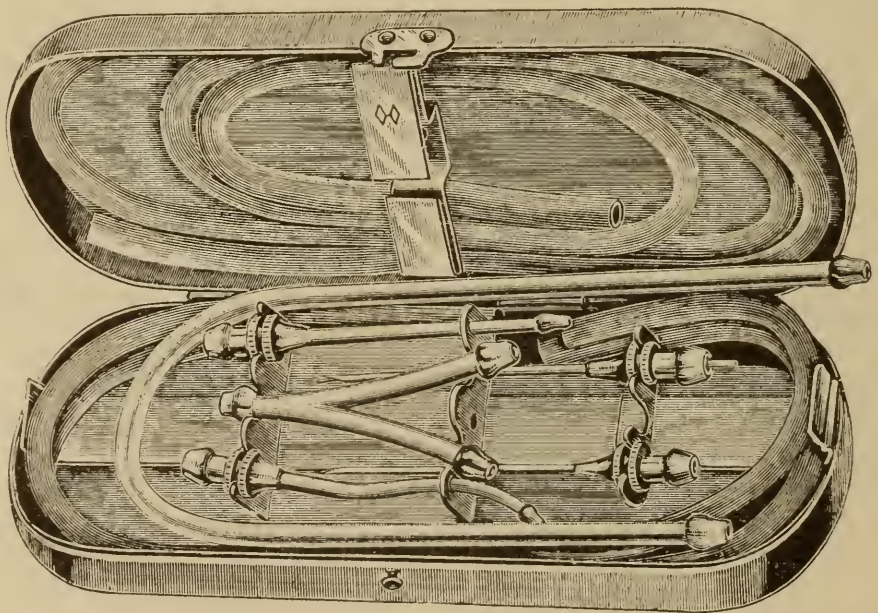
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A-2676



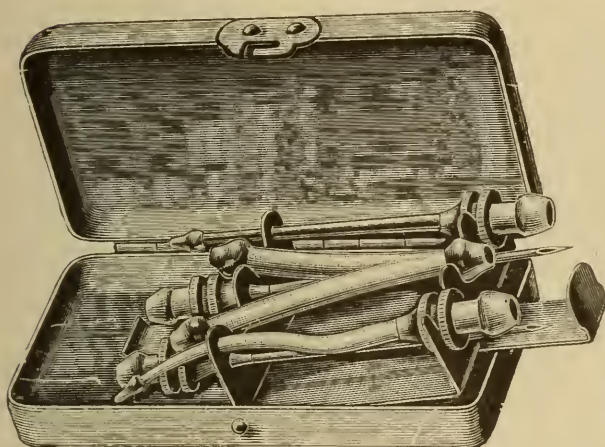
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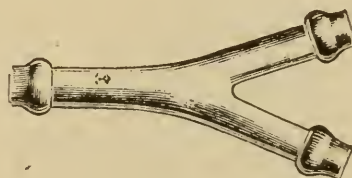
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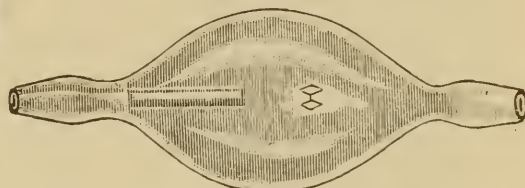
## INFUSION



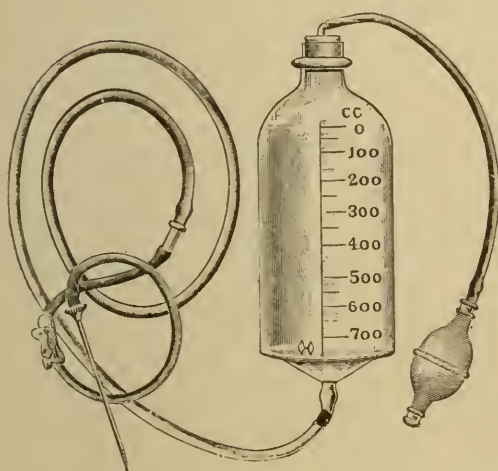
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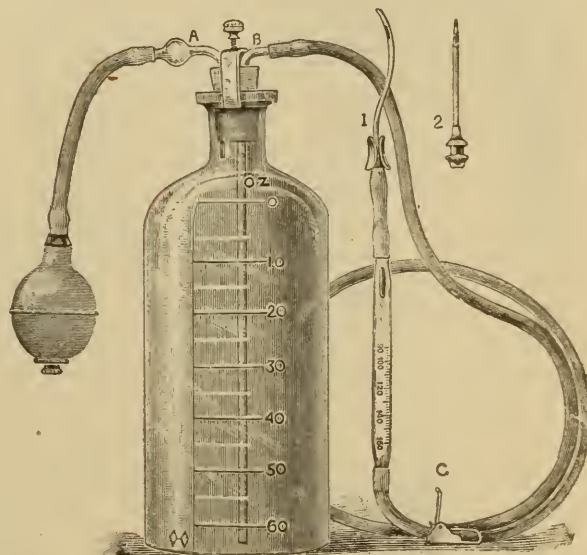
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A-2677



A-2660

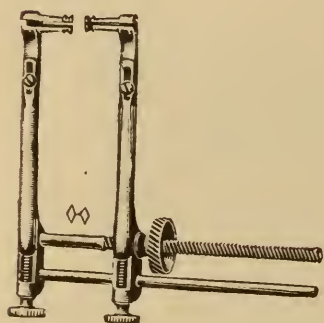


A-2655

## INFUSION INSTRUMENTS AND APPARATUS

A-2655	Infusion Apparatus, Fowler's, complete with straight, sharp needle, intravenous needle with finger rests, thermometer and 60 ounce bottle	\$6.50
*A-2656	Infusion Apparatus, Haslam-Kelly's, same as A-2655, but without intravenous needle and thermometer	3.50
A-2660	Infusion Apparatus, Kelly's	3.00
A-2670	Infusion Set, Webster's, in metal case	2.00
A-2672	Infusion Set, Webster's, without case	1.75
A-2675	Infusion Set, Webster's, in metal case, complete with rubber tubing	3.00
A-2676	Infusion Drop Tube, Murphy's, complete; can be used with any irrigator or fountain syringe	1.00
A-2677	Infusion Drop Tube only, Murphy's	.50
A-2685	Infusion Needle, Webster's, fine subcutaneous	.35
*A-2690	Infusion Needle, Webster's, medium subcutaneous	.35
A-2695	Infusion Needle, Webster's, heavy subcutaneous	.35
A-2697	Infusion Tube, Fowler's, intravenous	.75
A-2700	Infusion Tube, Webster's, straight, intravenous, metal	.50
A-2705	Infusion Tube, Webster's, curved, intravenous, metal	.50
A-2706	Infusion Tube, Webster's, straight, intravenous, glass	.25
A-2707	Infusion Tube, Webster's, curved, intravenous, glass	.35
*A-2708	Infusion Tube, double curved, intravenous, metal	.60
A-2710	Infusion Thermometer, showing temperature of salt solution in use	1.50
A-2715	Infusion Y, metal, 2 point	.50
*A-2720	Infusion Y, glass, 2 point	.35

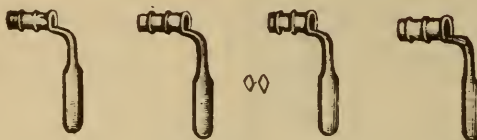
## TRANSFUSION



A-2722



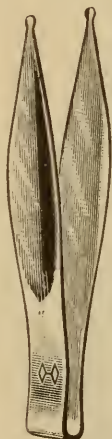
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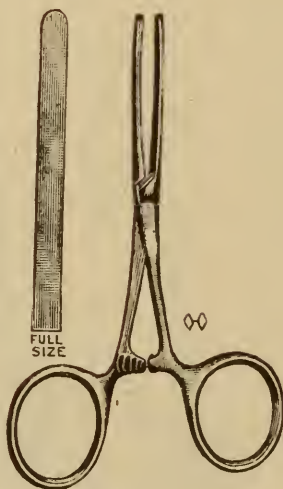
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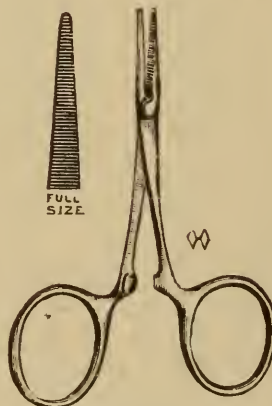
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A-2727



A-2729



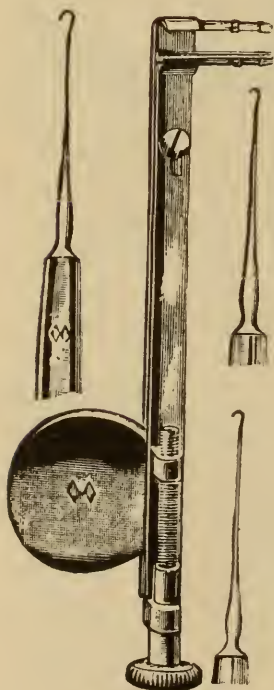
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A-2717



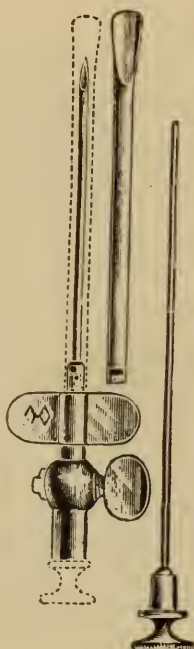
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A-2721



A-2716



A-2723



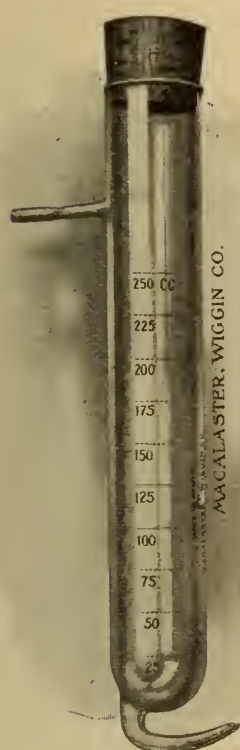
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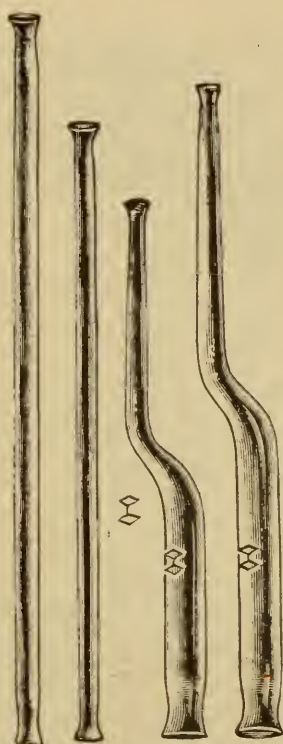
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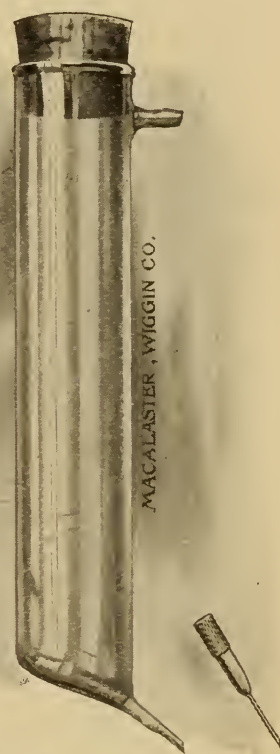
## TRANSFUSION



A-2732-33



A-2718

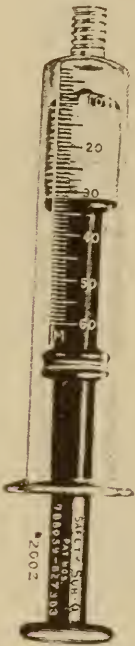


A-2734

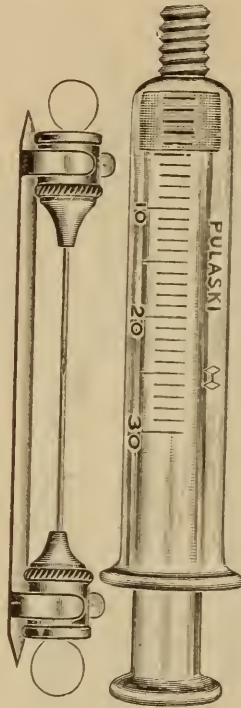
## TRANSFUSION INSTRUMENTS

A-2716	Canulae, Bellevue Hospital, with stop cock.....	\$ .90
A-2717	Canulae, Bernheim's .....	2.00
A-2718	Canulae, Brewer's, glass, each, 25c; set of 4.....	1.00
A-2719	Canulae, Carrel's, gold, 3 sizes, 2, 2½ and 3 mm., each.....	2.00
A-2743	Canulae, Crile's, set of 4 in case (shown full size).....	3.00
A-2721	Canulae, Elsberg's, with 3 tenaculums, in case.....	11.50
A-2722	Canulae, Jeger-Elsberg's .....	11.00
A-2723	Canulae, Lane's .....	2.25
*A-2744	Clamp, Crile's, carotid, 3-inch .....	1.00
A-2746	Clamp, Crile's, carotid, slightly curved, 4¾-inch.....	2.00
A-2724	Dilator, Carrel's, vein .....	7.50
A-2726	Director, Goodwin's, vein.....	1.50
A-2727	Forceps, Bernheim's, introducing, ball pointed.....	3.00
A-2728	Forceps, Carrel's, haemostatic, 3¼ inches, serrated jaw.....	1.50
A-2729	Forceps, Carrel's, haemostatic, 4 inches, smooth jaw.....	1.60
A-2749	Forceps, Crile's, haemostatic, for picking up vessel.....	1.75
A-2731	Staff, Horsley's, for vein anastomosis .....	2.75
A-2732	Tubes, Kimpton-Brown's, small, for blood transfusion, complete, including needle .....	3.00
A-2733	Tubes, Kimpton-Brown's, large, for blood transfusion, complete, including needle .....	3.00
A-2734	Tube, Vincent's, for blood transfusion, complete, including needle.....	3.00
*A-2751	Vein Expander, bivalve .....	1.00

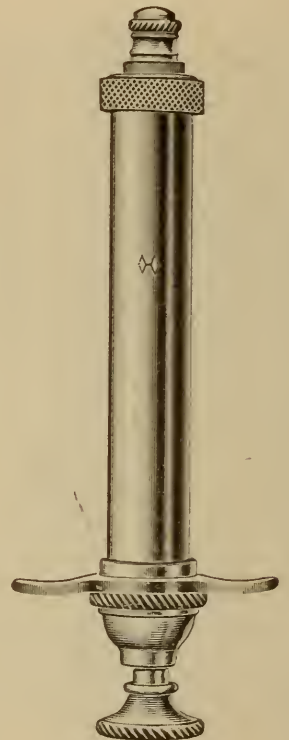
## HYPODERMIC SYRINGES



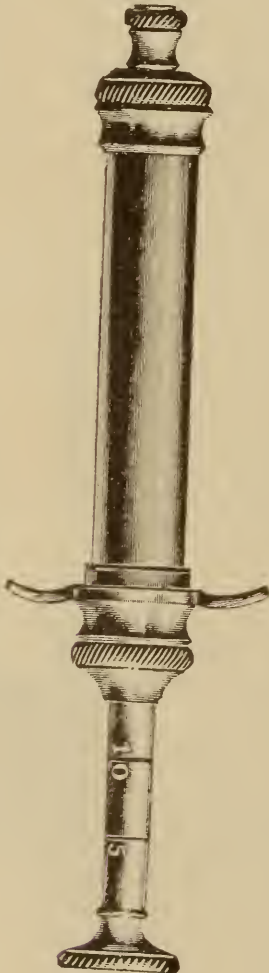
A-2968-2971-H



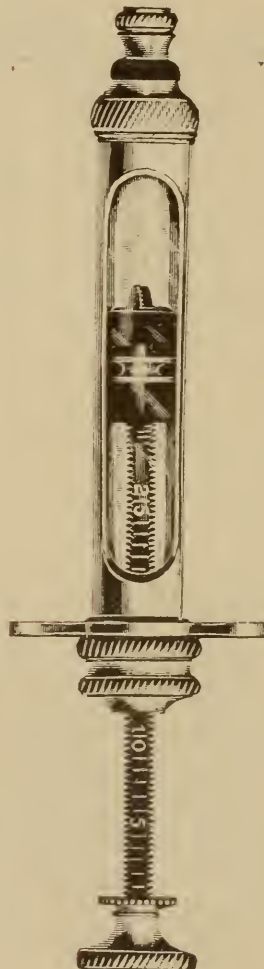
A-2770



A-2752



A-2760



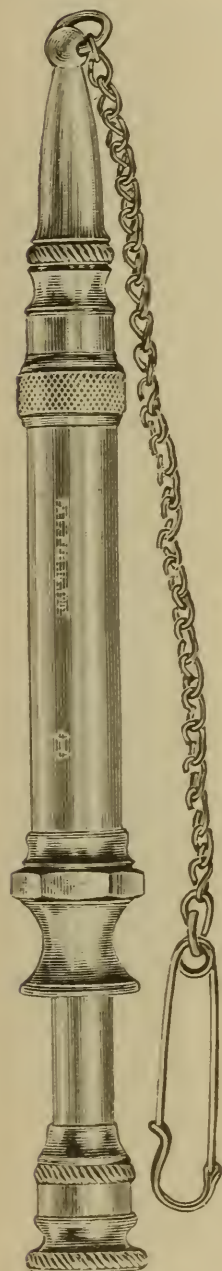
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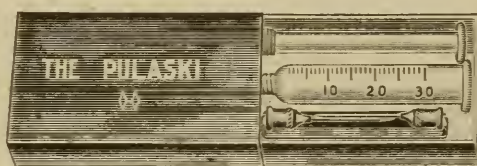
A-2756-2769



## HYPODERMIC SYRINGES



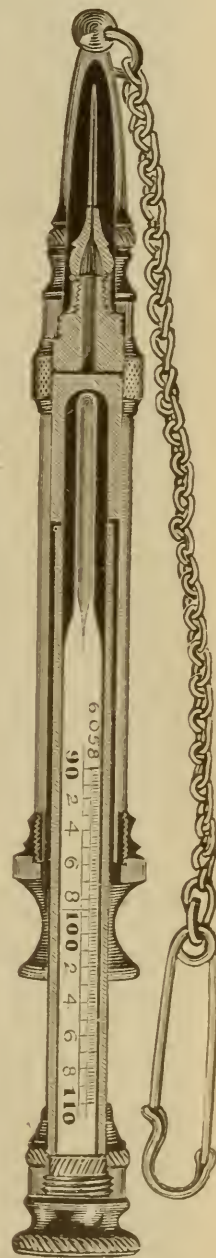
A-2955



A-2770

## HYPODERMIC SYRINGES

A-2750	Hypodermic Syringe, glass barrel, fenestrated metal guard, leather packing with oil chamber, finger rests, adapted for tablets or liquids, no needles or case.....	\$ .75
A-2752	Hypodermic Syringe, Haslam's, all metal, with solid metal plunger, finger rests, adopted for tablets or liquids.....	.90
A-2760	Hypodermic Syringe, The Ideal, all metal, with metal expanding packing, metal barrel, finger rests, requires no washers.....	1.25
A-2756	Haslam-Luer Syringe, 1 cc., in metal case with 2 needles.....	2.00
A-2757	Haslam-Luer Syringe, 1½ cc., in metal case, with 2 needles.....	2.25
A-2758	Haslam-Luer Syringe, 2 cc., in metal case with 2 needles.....	2.50
A-2761	Haslam-Luer Syringe, 5 cc., in metal case with 2 needles.....	4.50
A-2763	Haslam-Luer Syringe, 10 cc., in metal case with 2 needles.....	5.50
A-2769	Haslam-Luer Syringe, 20 cc., in metal case with 2 needles.....	6.50
*A-3505	Haslam-Luer Syringe, 1 cc., in Sterilizer case with 2 needles.....	3.00
*A-3506	Haslam-Luer Syringe, 2 cc., in sterilizer case with 2 needles.....	3.50
*A-3507	Haslam-Luer Syringe, 5 cc., in sterilizer case with 2 needles.....	5.50
*A-3508	Haslam-Luer Syringe, 10 cc., in sterilizer case with 2 needles...	6.50
A-2770	"Pulaski" Syringe, barrel made of heavy annealed glass, plunger with asbestos packing. A first-class syringe at reasonable price that can be rendered thoroughly sterile, in cardboard box.....	.75
*A-2771	"Pulaski" Syringe, same as above, metal case.....	1.00
*A-2968	Safety-aseptic Sub-Q Syringe, No. 2000, 25 M.....	1.00
A-2968A	Safety-aseptic Sub-Q Syringe, No. 2000c, 1½ cc.....	1.00
A-2969	Safety-aseptic Sub-Q Syringe, No. 2001, 30 M.....	1.00
A-2969F	Safety-aseptic Sub-Q Syringe, No. 2001c, 2 cc.....	1.00



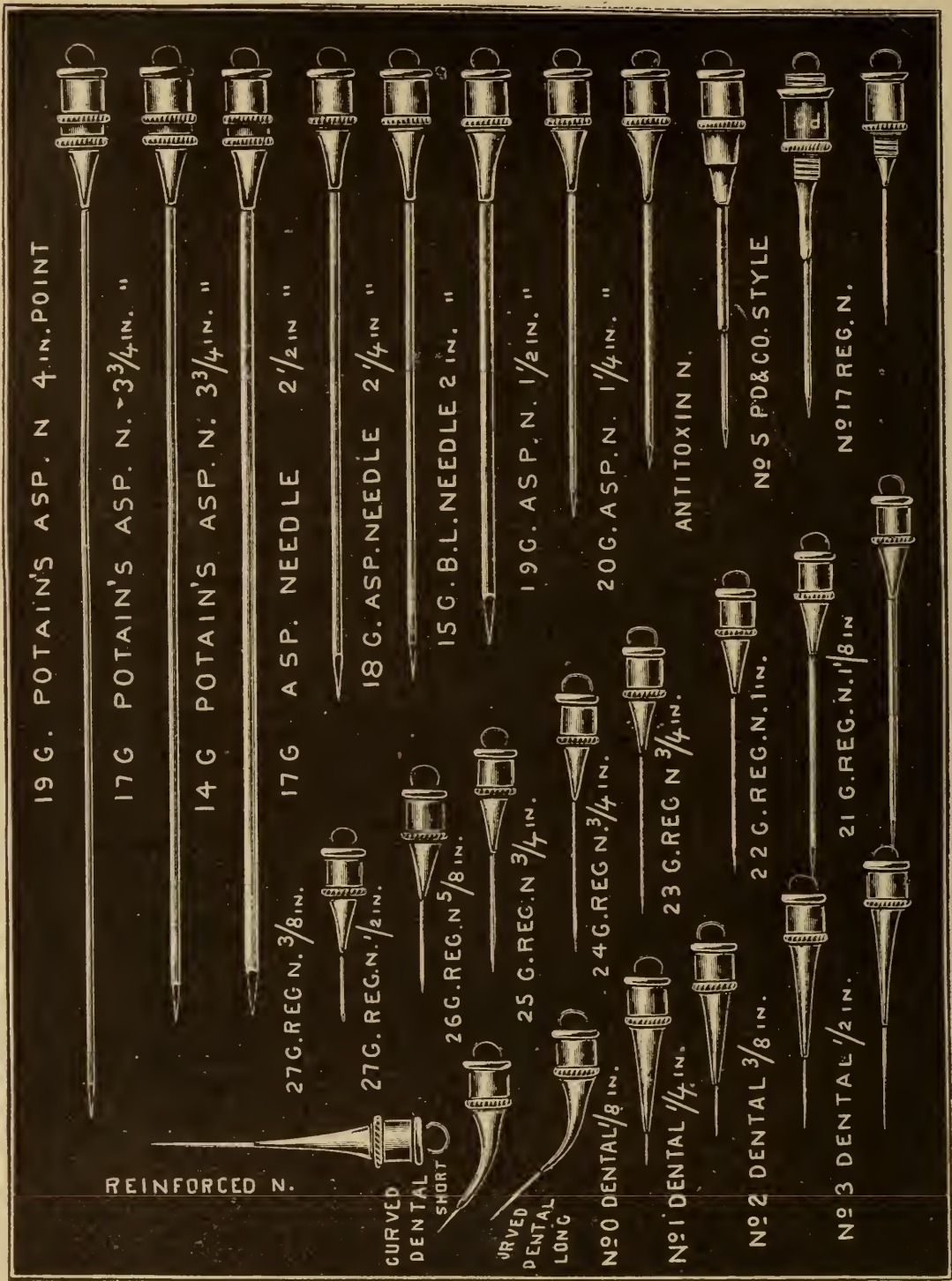
A-2955

A-2969D	Safety-aseptic Sub-Q Syringe, No. 2002, 60 M.....	\$1.50
A-2969G	Safety-aseptic Sub-Q Syringe, No. 2002c, 4cc.....	1.50
A-2971	Safety-aseptic Sub-Q Syringe, No. 2003, 6 cc.....	1.75
A-2971B	Safety-aseptic Sub-Q Syringe, No. 2005, 12 cc.....	2.00
A-2971H	Safety-aseptic Sub-Q Syringe, No. 2006, 20 cc.....	2.50

All Safety Sub-Q Syringes put up in leatherette cases, with 2 needles.

*A-2973	Tuberculin Safety, Sub-Q Syringe, ½ cc., 2 needles in leatherette case..	1.50
*A-2973A	Tuberculin Safety, Sub-Q Syringe, 1 cc., 2 needles in leatherette case...	1.50
*A-2772	"Barthelemy's" Syringe, for gray oils, ½ cc., divided into fortieths of 1 cc., in metal case with 2 steel needles.....	4.00
*A-2773	"Barthelemy's" Syringe, 1 cc., same as above.....	4.00
*A-2774	"Fornier's" Syringe, tuberculin, graduated in one hundredths of 1 cc., in metal case with 2 steel needles. Made either in ½ or 1 cc. capacity... Platinum in place of steel needles for the "Barthelemy" and "Fornier" syringes at an extra price.	4.00
A-2955	Hypodermic Syringe, Haslam's, all metal, with hollow metal piston, holding—a clinical thermometer, with magnifying index, and with safety chain and pin, with 1 gold needle.....	2.50
A-2955A	Hypodermic Syringe, Haslam's, as above, with 1 steel needle.....	2.00
*A-2956	Hypodermic Syringe, Thermometer, 1 minute, for above.....	.75

SUBCUTANEOUS INJECTING AND ASPIRATING  
NEEDLES



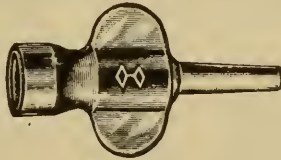
		Gauge.	Each.	Per Dz.
A-2775	Anti-Toxin Needles, plain .....	19 to 22	\$0.20	\$2.00
A-2780	Anti-Toxin Needles, reinforced .....	19 to 22	.25	2.50
A-2785	Aspirating Needles, 1½ inch, 1¾ inch, 2 inch.....	18 to 20	.25	2.50
A-2790	Aspirating Needles, 2¼ inch, 2½ inch, 2¾ inch.....	16 to 20	.35	3.50
A-2795	Aspirating Needles, 3 inch, 3¾ inch, 3½ inch.....	15 to 20	.50	4.50
A-2800	Aspirating Needles, 3¾ inch, 4 inch.....	12 to 18	.50	4.50
A-2805	Dental Needles, No. 0, No. 1, No. 2, No. 3.....	24 to 27	.15	1.25
A-2810	Dental Needles, curved, short or long.....	14 to 27	.20	2.00
A-2815	Hypodermic Needles, regular, ⅜ in. to ¾ in. points..	24 to 27	.10	.75
A-2820	Hypodermic Needles, reinforced, ⅜ in. to ¾ in. points.	24 to 27	.15	1.25
A-2825	Hypodermic Needles, Green's, ⅜ in. point.....	27	.10	.75
A-2830	Hypodermic Needles, No. 5, P. D. & Co. pattern.....	24 to 27	.15	1.25
A-2835	Hypodermic Needles, No. 17 style.....	24 to 27	.10	.75
*A-2840	Hypodermic Needles, Luer's .....	24 to 27	.25	2.00
*A-2845	Hypodermic Needles, Pulaski or Sub Q.....	24 to 27	.20	2.00



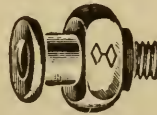
# HYPODERMIC NEEDLES AND SUNDRIES



A-3064



A-3063



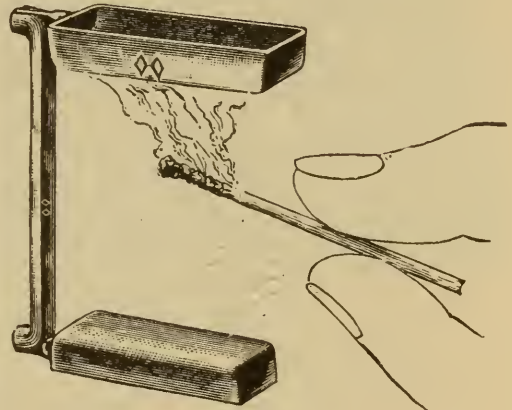
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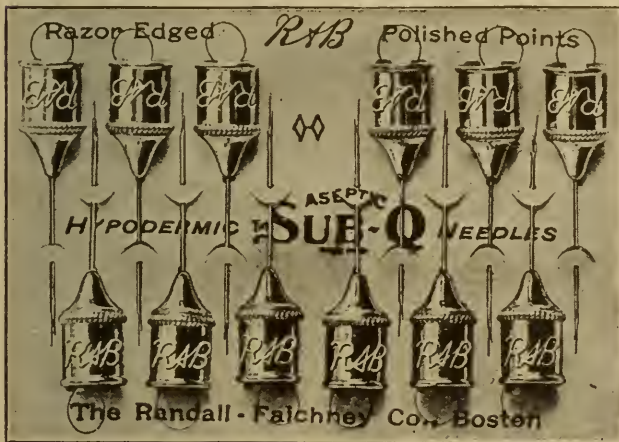
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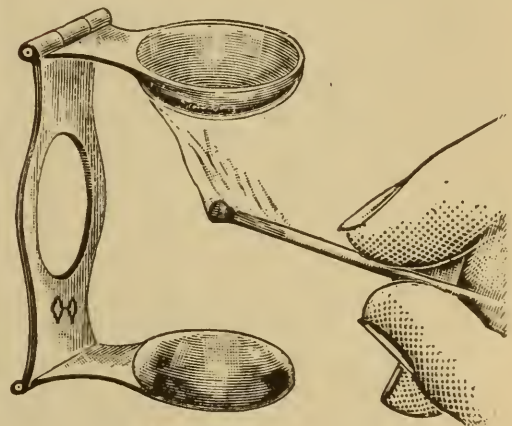
A-3046



A-3066



A-3047

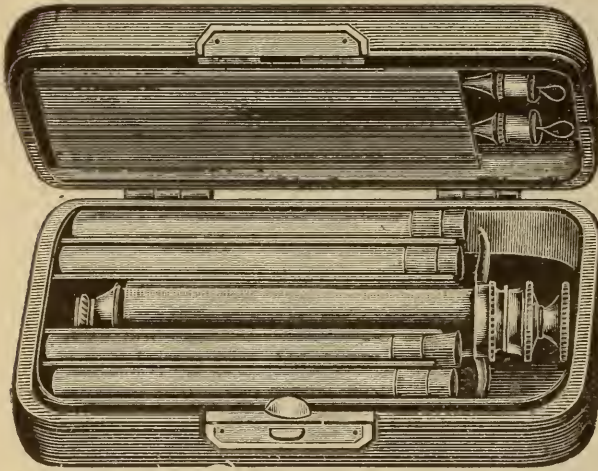


A-3065

## HYPODERMIC NEEDLES AND SUNDRIES

- |  |   |                  |
|--|---|------------------|
| A-3046   | R. F. Co., "Military" Needles, 27 to 23G. Per dozen.....  | \$1.50 to \$2.00 |
| A-3047   | R. F. Co., "Sub-Q" Needles, 27 to 23G. Per dozen.....   | 1.50 to 2.00     |
| The hypodermic needles manufactured by the R. F. Co., are the very best that can be produced in temper, edge, non-leakable qualities and finish. |   |                  |
| *A-3050  | Hypodermic Needle Case, Ideal, made of aluminum with rack and sliding cover. Complete with 6 hypodermic needles.....  | .65              |
| *A-3055  | Hypodermic Needle Case, Ideal, made of aluminum with rack and sliding cover. Complete with 12 hypodermic needles.....   | 1.00             |
| *A-3060  | Hypodermic Needle Case, Haslam's, made of aluminum, separate compartment for each needle, with slides at top and bottom. Complete with 12 hypodermic needles .....                    | 1.00             |
| *A-3062  | Hypodermic Needle Case, celluloid, complete with 12 hypodermic needles..  | 1.00             |
| A-3063   | Adapter, hub to fit standard thread, point to fit Record needle.....  | .25              |
| A-3064   | Adapter, angled, hub to fit standard thread, point to fit Record needle....   | .25              |
| A-3068   | Adapter, hub to fit Record syringe, point to fit standard thread.....   | .15              |
| A-3067   | Adapter, hub to fit Sub-Q syringe, point to fit standard thread.....  | .10              |
| A-3065   | Hypodermic Folding Spoon, Moore's, designed by Maj. Moore for army use in field. Is handy and compact, a single match being sufficient to dissolve the tablet and heat the water..... | .60              |
| A-3066   | Hypodermic Folding Spoon, Lindridge's, for sterilizing needle and dissolving the tablet .....   | .75              |

## HYPODERMIC SYRINGES



A—2857

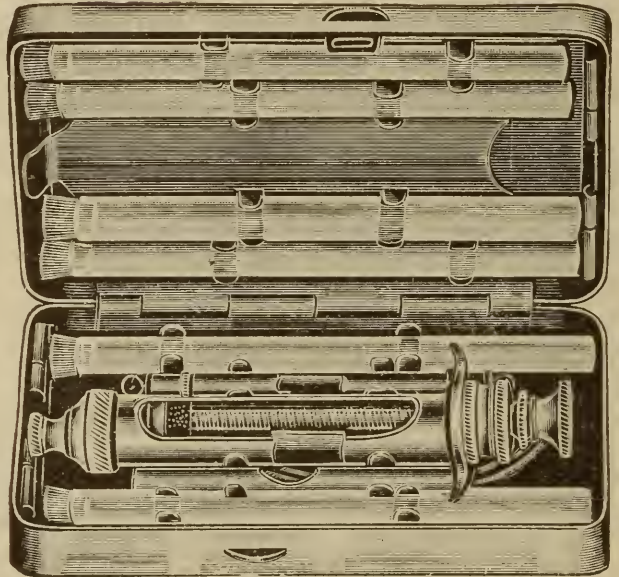
- \*A-2855 Hypodermic Syringe, containing syringe A-2750, 2 needles, 4 vials, tan case.....\$1.75
- A-2857 Hypodermic Syringe, containing syringe A-2760, 2 needles, 4 vials, tan case..... 2.00
- \*A-2860 Hypodermic Syringe, containing syringe A-2750, 2 needles, 4 vials, folding hypodermic spoon, in flexible Morocco case ..... 2.75
- \*A-2865 Hypodermic Syringe, containing syringe A-2760, otherwise same at A-2860..... 3.00
- \*A-2867 Hypodermic Syringe, containing syringe A-2750, 2 needles, 2 vials, in round cornered maroon leather case..... 1.50
- \*A-2870 Hypodermic Syringe, containing syringe A-2750, 12 needles, 4 vials, in fine Morocco case ..... 2.75

A-2895 Hypodermic Syringe, containing syringe A-2760, 2 needles, 6 vials, wire tube, in new patent aseptic nickel case..\$2.75

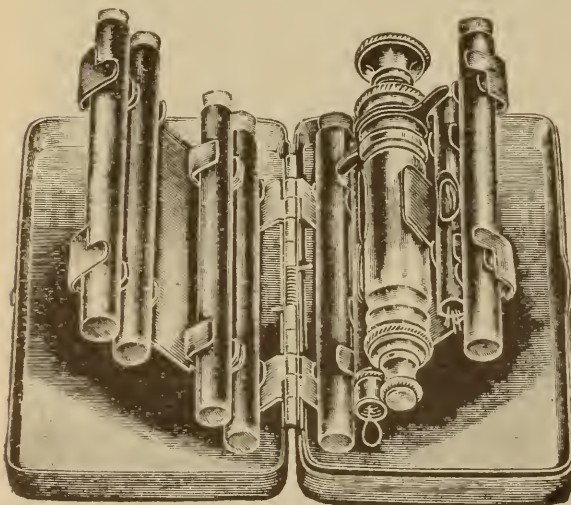
A-2896 Hypodermic Syringe, containing syringe A-2750, 2 needles, 6 vials, wire tube, in new patent aseptic nickel case.. 2.50

A-2897 Hypodermic Syringe, containing syringe A-2760, 2 needles, 6 vials, wire tube, in new patent, satin finish, aluminum case ..... 2.75

A-2898 Hypodermic Syringe, containing syringe A-2750, 2 needles, 6 vials, wire tube, in new patent, satin finish, aluminum case ..... 2.50



A—2895—2898



A—2897

A-2897 Hypodermic Syringe, containing an all metal syringe with expanding metal piston, 2 needles, 6 vials, wire tube, contained in an aluminum case, satin finished on the outside, hinged covers that raise, and with strong spring clamps for holding syringe, vials, etc. ....\$2.75

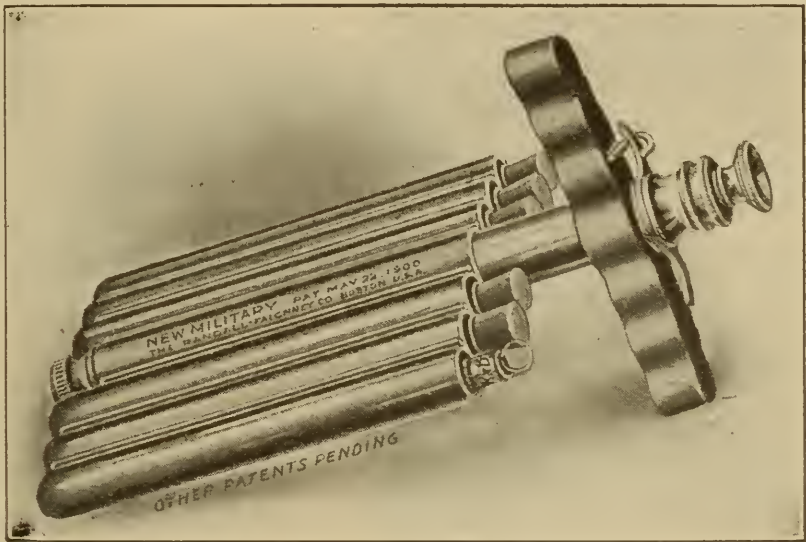
A-2913 Hypodermic Syringe, containing syringe A-2752, 2 needles, 3 vials, in aluminum case..... 1.50

A-2912 Hypodermic Syringe, containing syringe A-2752, 2 needles, 4 vials, in nickel case..... 1.75



HYPODERMIC SYRINGES

A-2963 THE "IMPROVED MILITARY" HYPODERMIC OUTFIT NO. 19



A-2963

A Practical and Comprehensive Equipment

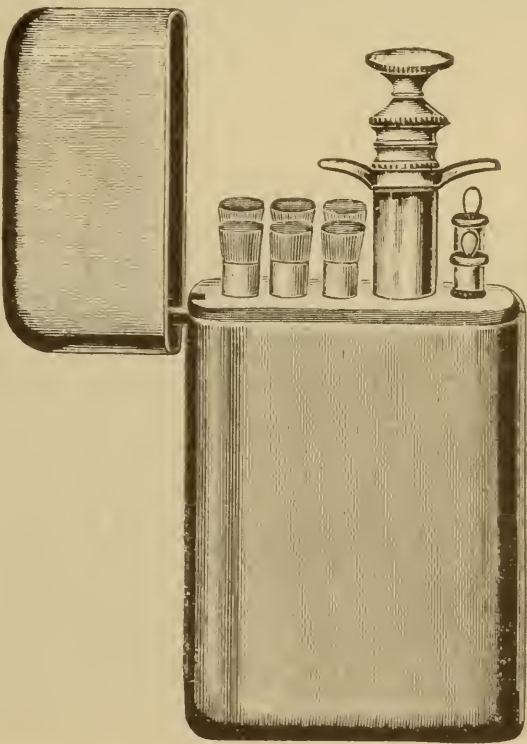
Beautiful in Design

Convenient in Operation

A pocket outfit, curved to conform to the body, with 5 tablet vials, 1 all metal syringe of 25 minims capacity, and 2 R. & B. polished point, razor edge needles.

- A-2963 The "Improved Military" Hypodermic Outfit No. 19, heavily nickel plated, each ..... \$3.50
- A-2963A The "Improved Military" Hypodermic Outfit No. 19, heavily gold plated, each ..... 7.00

- \*A-2900 Hypodermic Syringe, containing syringe A-2750, 2 needles, 6 vials, in aluminum case, satin finish, (same style case as A-2905) ..... \$2.50
- A-2905 Hypodermic Syringe, containing syringe A-2760, 2 needles, 6 vials, in aluminum case, satin finish... 2.75
- \*A-2908 Hypodermic Syringe, containing syringe A-2750, 2 needles, 4 vials, in aluminum case, satin finish (same style case as A-2905) ..... 2.25
- \*A-2910 Hypodermic Syringe, containing syringe A-2760, 2 needles, 4 vials, in aluminum case, satin finish (same style case as A-2905) ..... 2.50
- \*A-2925 Hypodermic Syringe, "The Ideal," containing syringe A-2760, 2 needles in separate compartments, 6 vials, in aluminum case, satin finish ..... 3.50
- \*A-2961 Hypodermic Syringe, vest pocket, all metal, with hollow piston containing 2 needles and covered with screw cap..... 1.50
- \*A-2962 Hypodermic Syringe, Littauer's, for mercurial injections, with 2 needles, in paper box..... 2.00
- \*A-3402 Tuberculin Drill, Pirquet's, with platinum blade..... 2.50



A-2905

## HYPODERMIC SYRINGES

**A-2926—2927**

Complete in beautiful ivory white Sub-Q-Loid case.....\$1.50

**A-2931 SUB-Q OUTFIT NO. 2280**

The outfit consists of one Safety Sub-Q Syringe and two R. & B. Sub-Q Needles in a heavily nickel-plated case with oval top and bottom, round corners, hinged cover and snap catch.

Each. Per Dz.

A-2931 Aseptic Nickel  
Case, No. 2280.....\$1.75 \$19.80

A-2932 Aseptic Nickel  
Case, No. 2281..... 1.75 19.80

**A-2931—2932****A-2936—SUB-Q SYRINGE NO. 2331  
GOLDINE CASE**

A-2936 This outfit consists of one Safety Sub-Q Syringe, two Sub-Q Needles in holder; seven vials, and wire tube, in a metal "Goldine" (guarantee for 10 years) case; looks like gold and wears as well. Has hinged leaves and strong metal spring clamps for reception of syringe, needles, etc. ....\$3.50

**SUB-Q SYRINGE NO 2231**

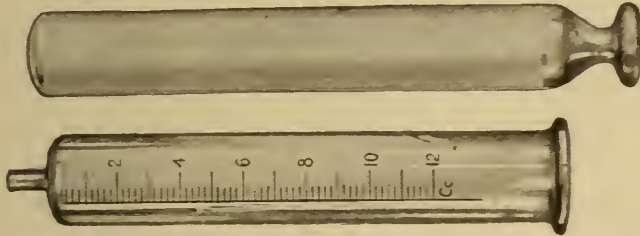
A-2937 This outfit is practically the same as our 2331, syringe is 30 m. capacity, case is nickel plated .....\$3.00

**A-2936—2937**





## HYPODERMIC SYRINGES



A-2938—2944

**"Paris" Ground Glass Aseptic Syringes—Syringes Only**

A-2938	Paris Syringe, 1½ cc., No. 6000 .....	\$1.00
A-2939	Paris Syringe, 2 cc., No. 6001 .....	1.25
A-2941	Paris Syringe, 4 cc., No. 6002 .....	2.00
A-2942	Paris Syringe, 5 or 6 cc., No. 6003 .....	2.25
A-2943	Paris Syringe, 10 or 12 cc., No. 6005 .....	3.00
A-2944	Paris Syringe, 20 cc., No. 6006 .....	4.50

**"Paris" Ground Glass Aseptic Syringes, with Two "Paris" Needles in Leatherette Case**

A-2946	Paris Syringe, 1½ cc..	\$1.25
A-2947	Paris Syringe, 2 cc..	1.50
A-2948	Paris Syringe, 4 cc..	2.50
A-2949	Paris Syringe, 5 or 6 cc. ....	2.75
A-2951	Paris Syringe, 10 or 12 cc. ....	3.50
A-2952	Paris Syringe, 20 cc.	5.00

With Two Paris Needle in Beautiful Nickel Plated Case.

*A-2953	Paris Syringe, 1½ cc., No. 6280 .....	2.00
*A-2954	Paris Syringe, 2 cc., No. 6281 .....	2.25

**"Paris" Ground Glass Aseptic Syringe A-2946-2952****A2956 "PARIS" SYRINGE NO. 6331**

This outfit consists of one "Paris" syringe 2 cc. capacity, having ground-glass barrel with a perfectly fitting ground-glass plunger, leak-proof American Luer slip point; graduated on barrel in both minims and cc.'s; 2 Paris needles of finest quality; 6 vials and wire tube in a Goldine metal case, having hinged leaves and strong metal clamps for holding syringes, needles, etc.; easily sterilized and made absolutely aseptic.....\$4.00

**A2957 "PARIS" SYRINGE NO. 6231**

This outfit is the same as our No. 6331, except that the case is finished in nickel plate .....\$3.50

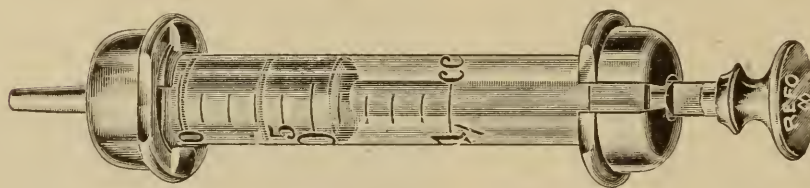


A-2956—2957

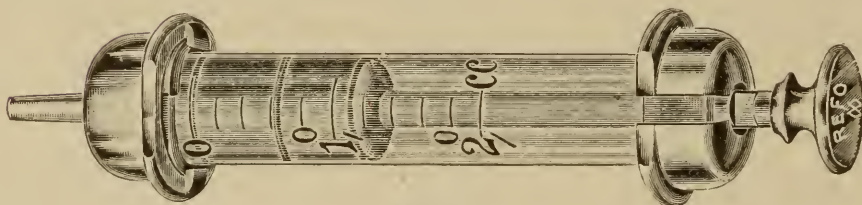
## "REFO" PRECISION SYRINGES



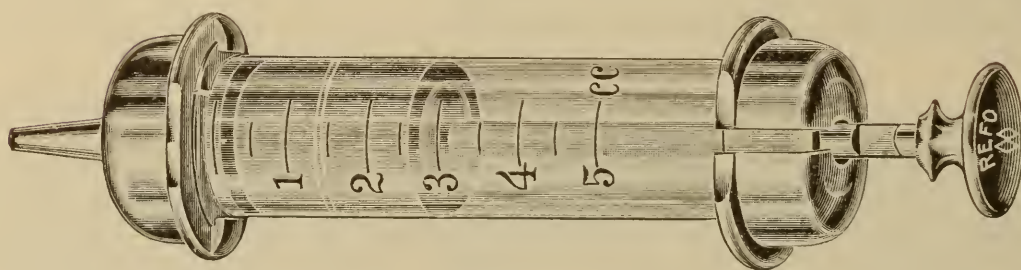
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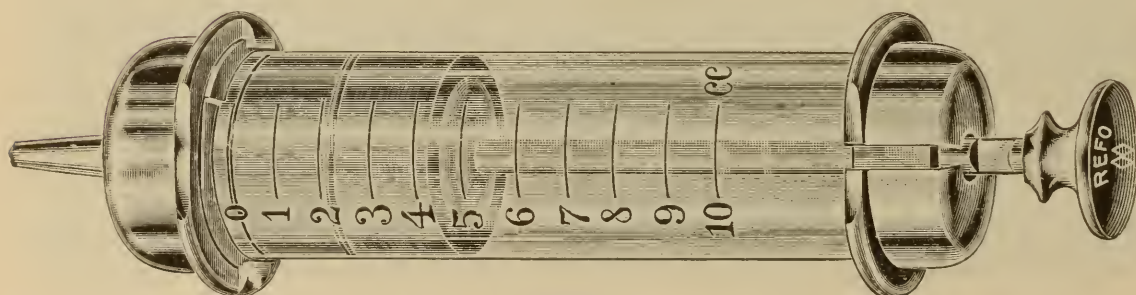
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A2988

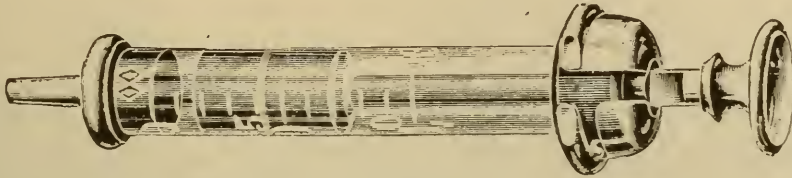
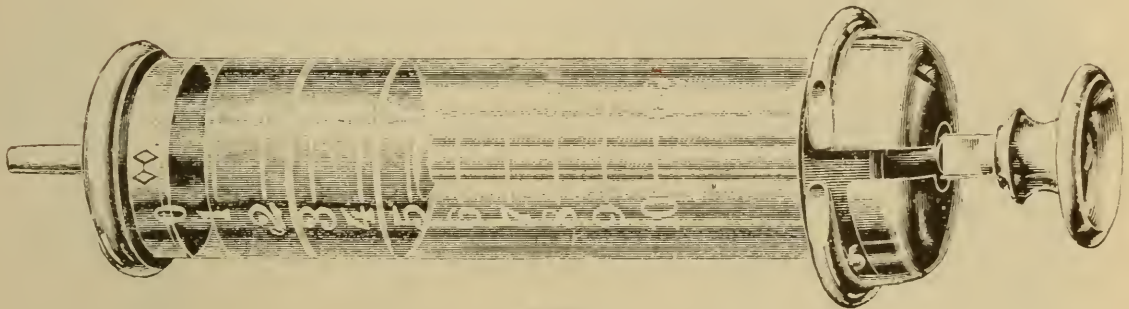


A2997



A2999



**"RECORD" PRECISION SYRINGES****A3490****A3492****A3493****"REFO" AND "RECORD" PRECISION SYRINGES**

These syringes are almost identical in construction. In the "Refo" both barrel mounts are removable, in the "Record" only the lower barrel mount is removable. Quality and Precision are the same.

**"REFO" SYRINGES**

In metal case with 2 needles

*A2979	Tuberculin, 1 cc.....	\$4.75
*A2984	Hypodermic, 1 cc.....	3.50
*A2987	Hypodermic, 2 cc.....	4.50
*A2996	"Refo," 5 cc.....	6.50
*A2998	"Refo," 10 cc.....	7.50
*A3001	"Refo," 20 cc.....	8.50
*A3003	Salvarsan Ehrlich-Hata, 10 cc. ....	8.25

**"REFO" SYRINGES ONLY**

A2981	Tuberculin, 1 cc.....	\$4.00
A2986	Hypodermic, 1 cc.....	2.50
A2988	Hypodermic, 2 cc.....	3.50
A2997	"Refo," 5 cc.....	4.50
A2999	"Refo," 10 cc.....	5.75
*A3002	"Refo," 20 cc.....	6.50
*A3002A	Ehrlich-Hata, 10 cc.....	5.75

**"REFO" BARRELS ONLY**

*A2993	Barrel, 1 cc., Tub.....	\$2.50
*A2994	Barrel, 1 cc.....	2.00
*A2994A	Barrel, 2 cc.....	2.50
*A3007	Barrel, 5 cc.....	3.25
*A3008	Barrel, 10 cc.....	3.75
*A3009	Barrel, 20 cc.....	4.50

**"RECORD" SYRINGES**

In metal case with 2 needles

*A3484	Tuberculin, 1 cc.....	\$4.75
*A3485	Hypodermic, 1 cc.....	3.10
*A3486	Hypodermic, 2 cc.....	3.85
*A3487	"Record," 5 cc.....	5.40
*A3488	"Record," 10 cc.....	6.60
*A3489	"Record," 20 cc.....	8.40
*A3502	Ehrlich-Hata, 10 cc.....	8.25

**"RECORD" SYRINGES ONLY**

A3490	Hypodermic, 1 cc.....	\$2.40
*A3491	Hypodermic, 2 cc.....	3.00
A3492	"Record," 5 cc.....	4.00
A3493	"Record," 10 cc.....	5.10
*A3494	"Record," 20 cc.....	5.70
*A3504	Ehrlich-Hata, 10 cc.....	5.10

**"RECORD" BARRELS ONLY**

*A3495	Barrel, 1 cc.....	\$2.00
*A3496	Barrel, 2 cc.....	2.50
*A3497	Barrel, 5 cc.....	3.25
*A3498	Barrel, 10 cc.....	3.75
*A3499	Barrel, 20 cc.....	4.50

“REFO” AND “RECORD” PRECISION SYRINGES



A3012

“REFO” AND “RECORD” PRECISION SYRINGES AND NEEDLES

A-3012 “Refo” Syringe Set, containing one each 1 cc., 2 cc., 5 cc., 10 cc., 20 cc., syringe, with 20 assorted “Refo” Needles, in fine metal case.....\$30.00  
This complete set has been made up for and will be found especially useful in the office, laboratory and hospital.

A3013 “REFO” OR “RECORD” NEEDLES

B. & S. Gauge.....	22	23	24	25	26	Per Dozen
Length of Canula.....	$\frac{7}{8}$	$\frac{7}{8}$	$\frac{7}{8}$	$\frac{3}{4}$	$\frac{3}{4}$ inch	\$1.50
B. & S. Gauge.....	19	20	21			
Length of Canula.....	$1\frac{5}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$		inches	2.25
B. & S. Gauge.....	19	20				
Length of Canula.....	$1\frac{5}{8}$	2			inches	3.00
B. & S. Gauge.....	16	17				
Length of Canula.....	2	2			inches	3.00



## THE TAG "RECORD" SYRINGE

MADE IN U. S. A.

The Tag "Record" Syringe is the product of American manufacture, and represents the highest quality in construction that can be produced by the most skillful workmen, coupled with modern factory management.

The entire instrument consists only of five pieces. The metal plunger is accurately fitted to the ground glass barrel, so that no washers are required. The structural rigidity is not sacrificed. It is as easy to reassemble as it is to take apart. Sterilized by boiling.

## PRICES

- |        |   |        |
|--------|---|--------|
| A-3505 | The Tag "Record" Syringe, No. 235, 1½ cc., complete in case with 2 "Record" Needles ..... | \$3.25 |
| A-3506 | The Tag "Record" Syringe, No. 236, 2 cc., complete in case with 2 "Record" Needles .....  | 3.50   |
| A-3507 | The Tag "Record" Syringe, No. 237, 5 cc., complete in case with 2 "Record" Needles .....  | 5.00   |
| A-3508 | The Tag "Record" Syringe, No. 238, 10 cc., complete in case with 2 "Record" Needles ..... | 6.50   |
| A-3509 | The Tag "Record" Syringe, No. 239, 20 cc., complete in case with 2 "Record" Needles ..... | 7.00   |

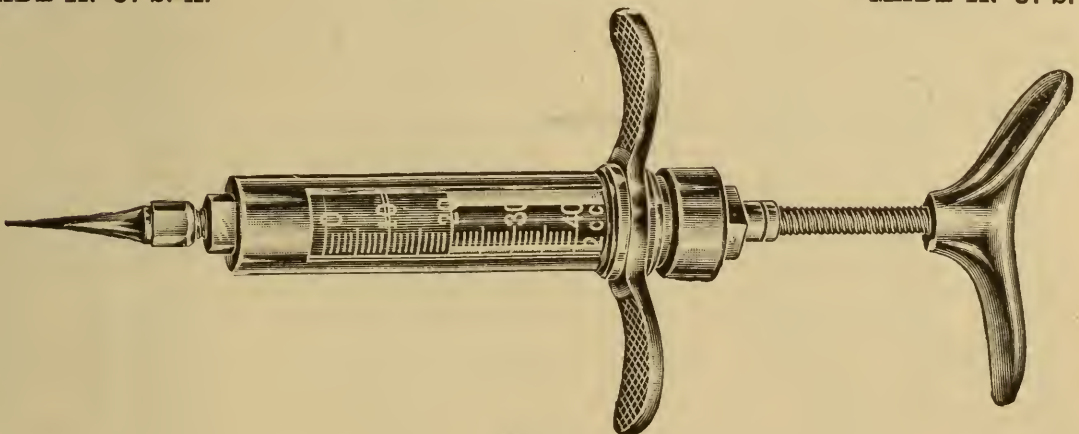
A3505-3509

## THE TAG "RECORD" DENTAL HYPODERMIC SYRINGE

(FISCHER PATTERN)

MADE IN U. S. A.

MADE IN U. S. A.



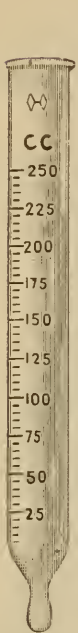
A3511

This is the American made dental syringe the modern dentist has been looking for. Made complete with all parts interchangeable. Has ground glass barrel and accurately fitted metal plunger and needle plug. Sterilized by boiling.

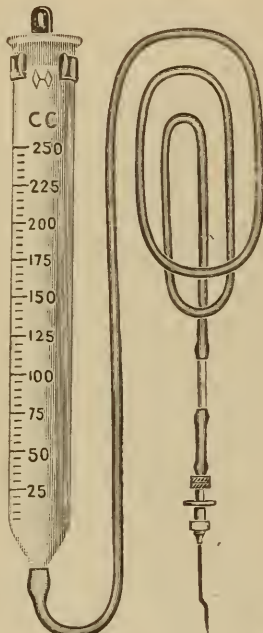
## PRICES

- |       |   |        |
|-------|---|--------|
| A3510 | The Tag "Record" Dental Hypodermic Syringe, No. 485, 40 minims, with cap and wrench, glass barrel, 2 extra special hexagon head dental needles, AA grade, metal plunger, extra chucks and connections, complete in cherry wood box..... | \$8.50 |
| A3511 | The Tag "Record" Dental Hypodermic Syringe, No. 485A, only, with wrench and needle end cap, as shown, without case.....   | 5.00   |
| A3512 | Glass Barrel only, No. 485B, with needle and plug and plunger.....  | 2.50   |
| A3513 | Tag Seamless Dental Needles, straight or curved, standard thread.....   | 1.50   |

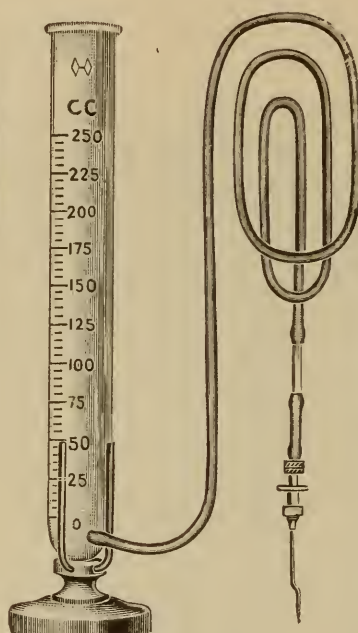
## SALVARSAN OUTFITS



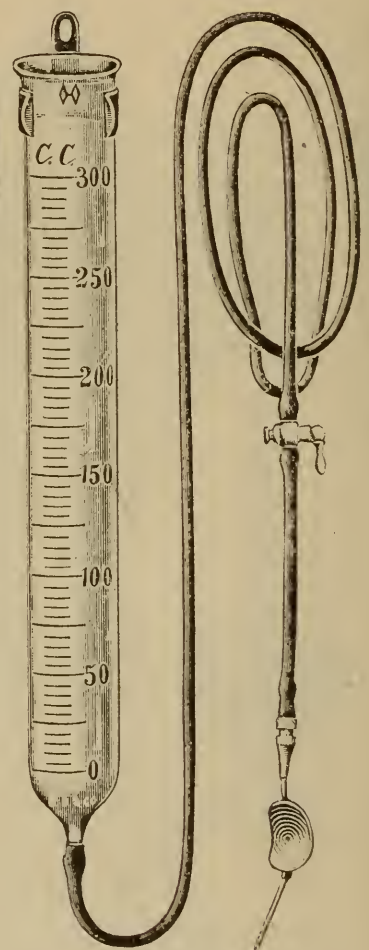
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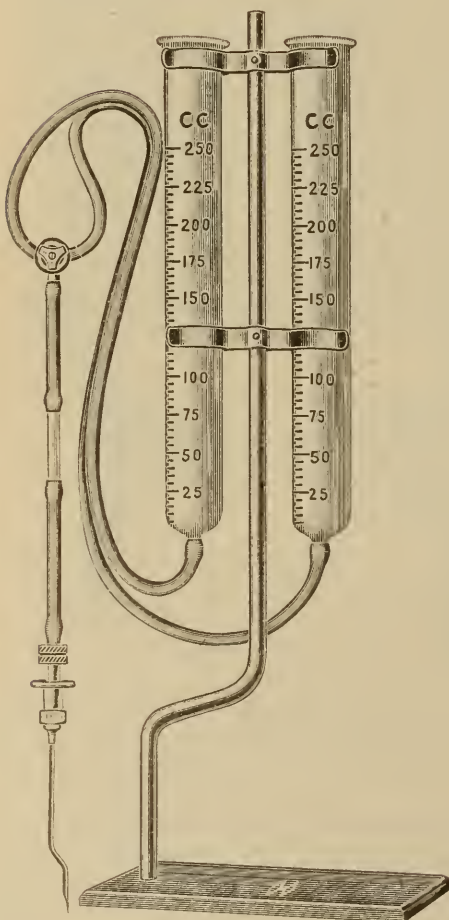
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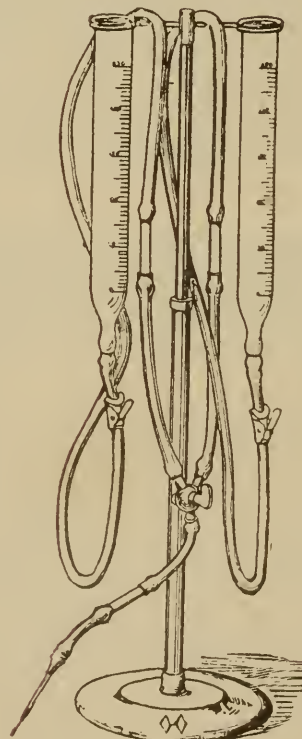
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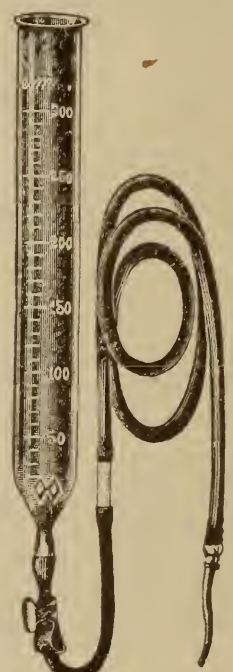
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A-3520



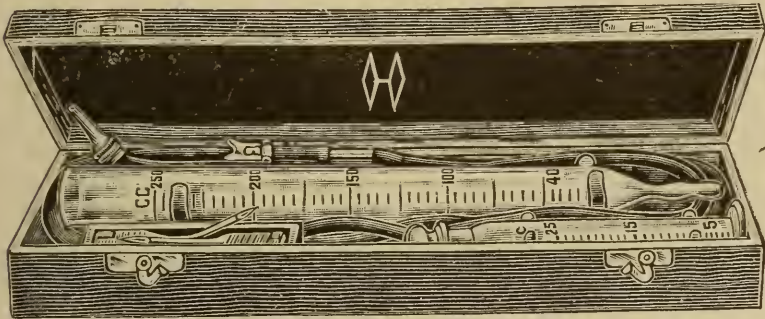
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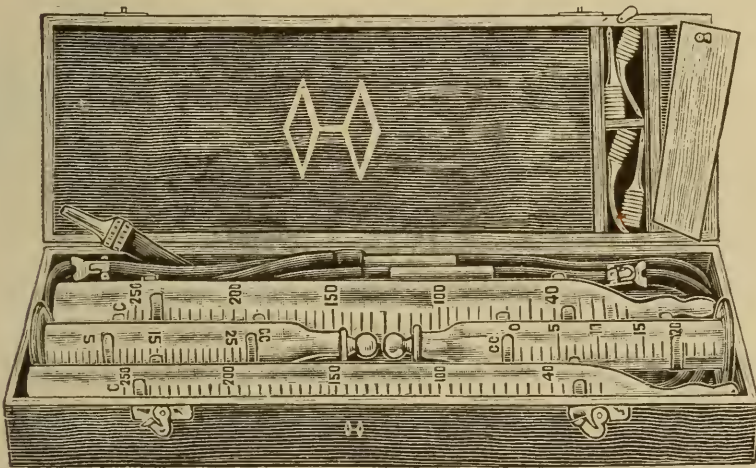
A-3530



SALVARSAN OUTFITS



A-3023



A-3024



A-3534

SALVARSAN OUTFITS

A-3022	Boehm's Apparatus, improved, with 2 graduated cylinders, telescoping stand, 2 needles, three-way stopcock, cut-offs and rubber tubing, complete .....	\$10.00
A-3520	Cayo's Apparatus, double, with 2 graduated cylinders, stand, 2 Cayo bayonet-shaped needles, three-way stopcock, and rubber tubing, complete .....	10.50
A-3023	Daland's Apparatus, single, in oak case.....	9.50
A-3024	Daland's Apparatus, double, in oak case.....	15.00
A-3522	Haslam's Apparatus, single, with 1 graduated cylinder, hanger, 1 Cayo bayonet-shaped needle, cut-off and rubber tubing, complete.....	4.00
A-3524	Haslam's Apparatus, single, with 1 graduated cylinder, holding base, 1 Cayo bayonet-shaped needle, cut-off and rubber tubing.....	4.50
*A-3526	McGurn's Apparatus, double (send for complete circular).....	18.00
A-3528	Plain Apparatus, one graduated cylinder, 1 Schreiber needle, cut-off and rubber tubing.....	3.50
A-3530	Plain Apparatus, one graduated cylinder, 1 intravenous needle, cut-off and rubber tubing.....	3.50
A-3532	Graduated Cylinder, glass 250 cc.....	1.50
A-3534	Graduated Measures, 5 cc., \$0.40; 10 cc., \$0.50; 25 cc., \$0.60; 50 cc., \$0.70; 100 cc., \$0.80; 150 cc., \$1.00; 250 cc., \$1.10; 500 cc., \$1.50; 1,000 cc., \$2.50; 2,000 cc.....	3.60

## SALVARSAN NEEDLES AND SUNDRIES



A-3033



A-3046



A-3031-3032



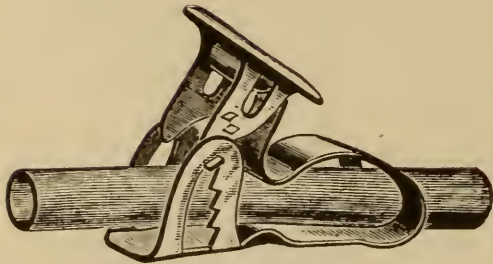
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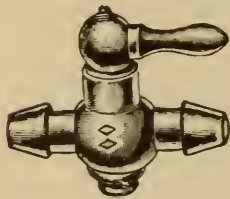
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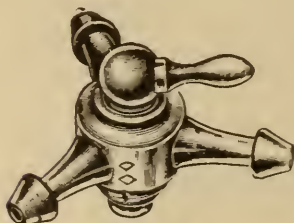
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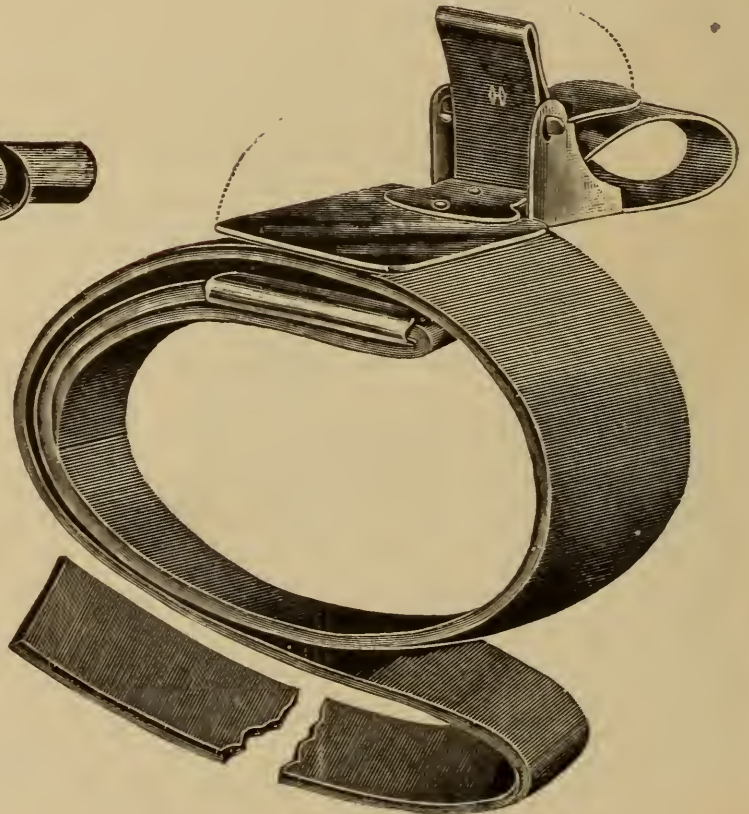
A-3544



A-3548



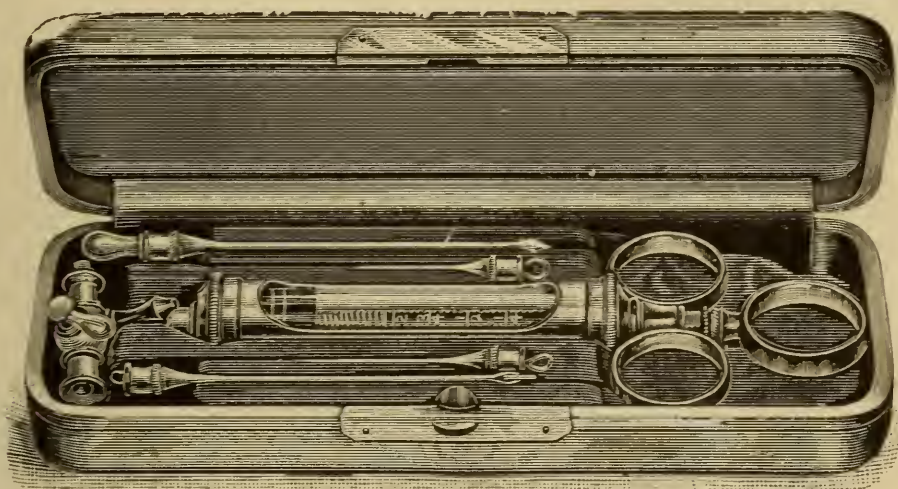
A-3550



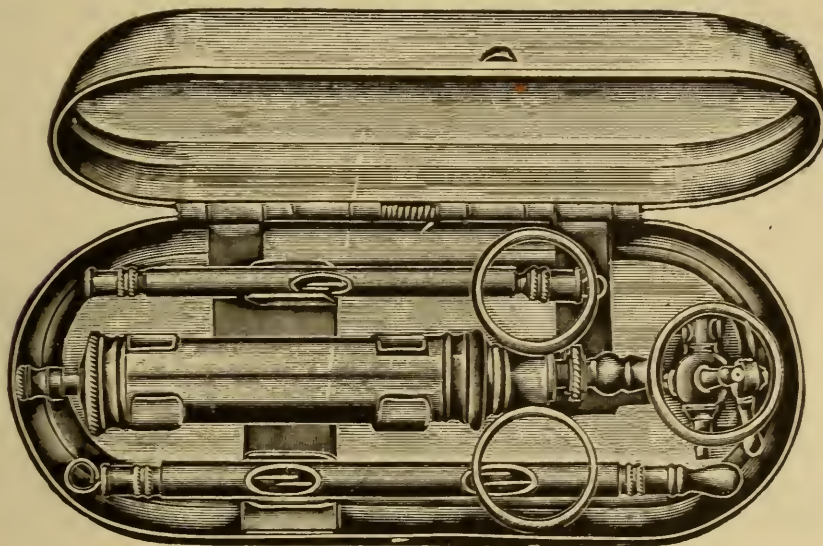
A-3552



## ASPIRATING SYRINGES



A-3010



A-3020

## SALVARSAN NEEDLES AND SUNDRIES

• A-3028	Boehm's, stopcock and 2 needles, old style.....	\$5.00
• A-3028A	Boehm's improved needle .....	4.50
A-3047	Cayo's, bayonet shaped .....	.60
A-3031	Daland's, straight, with fitting .....	2.00
A-3032	Daland's, curved, with fitting .....	2.00
A-3033	Ehrlich-Hata's, for "Refo" or "Record" Syringes, steel.....	.50
A-3046	Schreiber's, original .....	.75
A-3540	Schreiber's, modified .....	.75
A-3542	Strauss', vein puncture trocar.....	.90
A-3544	Daval Cut-off, each, 10c; per dozen.....	.60
• A-3546	Plain Cut-off, each, 10c; per dozen.....	.60
A-3548	Stopcock, single, metal, nickel plated.....	.75
A-3550	Stopcock, three way, metal, nickel plated.....	1.00
A-3552	Torniquet, Gradwohl's, for use in withdrawing blood for Wassermann test, and for injection of veins with Salvarsan, or for general purposes. (Send for circular).....	1.25

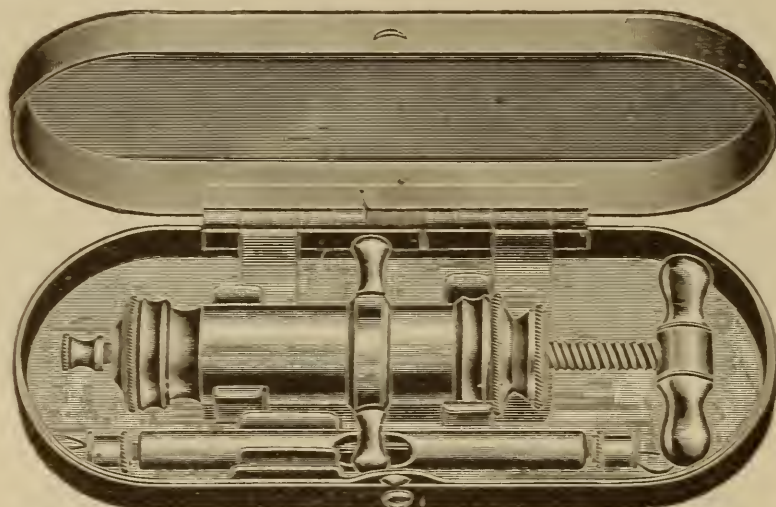
## ASPIRATING SYRINGES

A-3010	Aspirating Syringe, with expanding leather plunger, capacity 2 drachms, stopcock, trocar, and canula, 3 assorted size needles, in handsome maroon case with round corners.....	\$2.75
A-3010A	Aspirating Syringe, same as A-3010, in plain case.....	2.75
A-3015	Aspirating Syringe, same as A-3010, but with metal nickel-plated case.	3.25
A-3020	Aspirating Syringe, capacity 2 drachms, all metal, with metal expanding plunger, aspirating stopcock, 1 aspirating trocar, 1 small dypodermic needle, 1 anti-toxin needle, 1 medium aspirating needle, complete in metal nickel-plated case. Can be rendered sterile by boiling.....	3.50

## PARAFFINE AND EMULSION SYRINGES

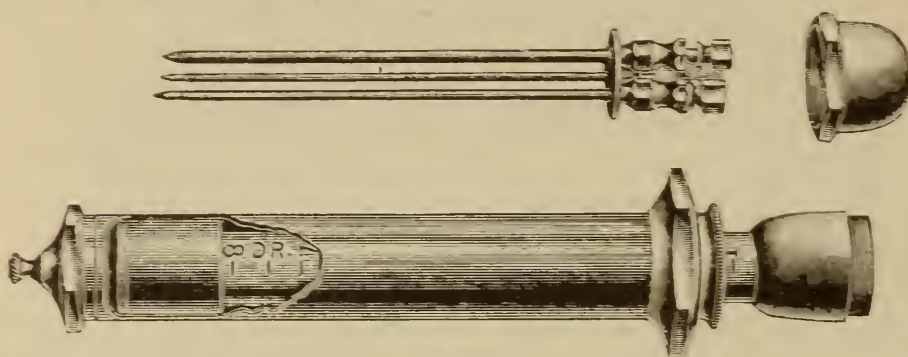
## HASLAM'S ANTITOXINE SYRINGES

*A-3451	Syringe, 5 cc., rubber piston, glass barrell, metal case.....	2.75
*A-3452	Syringe, 10 cc., rubber piston, glass barrel. metal case.....	3.00
*A-3453	Syringe, 5 cc., all metal, metal case.....	3.00
*A-3454	Syringe, 10 cc., all metal, metal case.....	3.50
*A-3450	Syringe, Hubner's .....	2.75



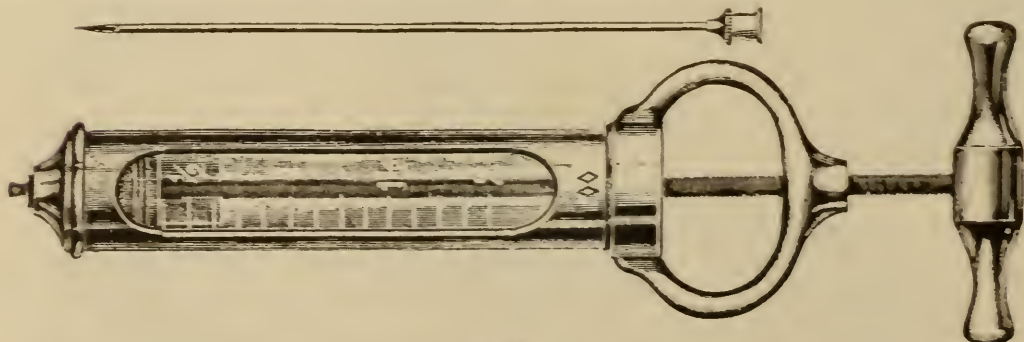
A-3025

- A-3025 Smith's Paraffine Syringe, for the subcutaneous injection of paraffine. Barrel of heavy metal, having heavy finger guards attached, powerful screw piston rod, with metal packing. 2 needles put up in neat metal nickel plated case ..... \$ 5.00
- \*A-3500 Pfau's Paraffine Syringe ..... 4.50



A-3035

- A-3035 Ferguson's Emulsion Syringe, for the injection of tubercular joints with an emulsion of iodoform and glycerine: capacity 30 cc.: made entirely of metal, with metal expanding plunger, hollow metal piston rod with screw cap, holding 3 sizes of injecting trocars. This syringe is without doubt the best and most powerful made, is very simple, easily filled, and can be rendered sterile by boiling. Complete in morocco case ..... 5.00
- A-3040 Ferguson's Emulsion Syringe, 15 cc. capacity ..... 4.50

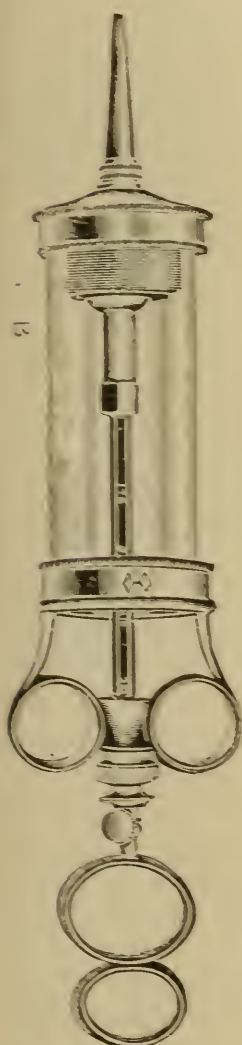


A-3042

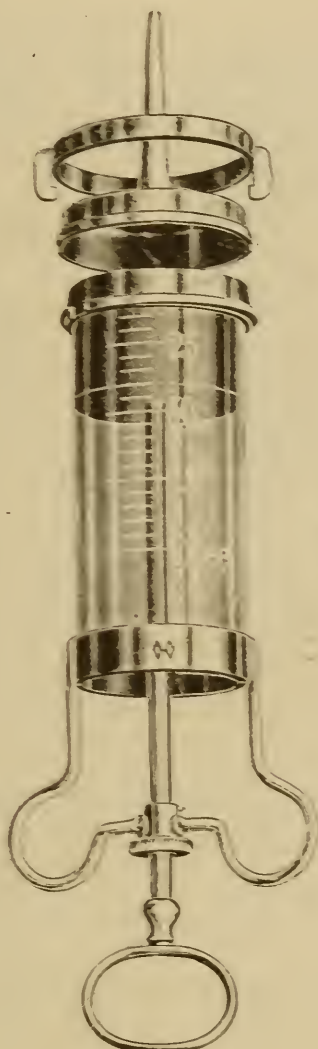
- A 3042 Magnusson-Murphy Syringe, for injecting formalin, turpentine or glycerine into joints. Made in two sizes, 30 and 60 cc. Complete with 2 needles ..... \$10.00



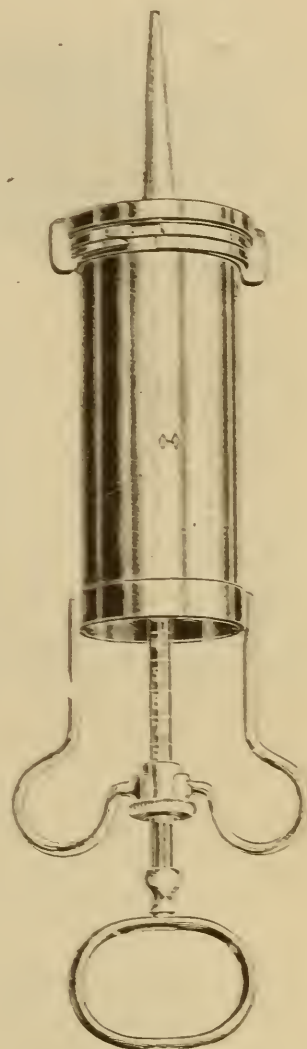
## WOUND AND BLADDER SYRINGES



A-3135



A-3137



A-3136

## WOUND AND BLADDER SYRINGES

## A-3135 Valentine's Improved Aseptic Water Syringe—

Capacity	60 cc.	90 cc.	120 cc.	150 cc.	180 cc.
Price	\$7.50	\$9.00	\$9.50	\$10.00	\$11.00

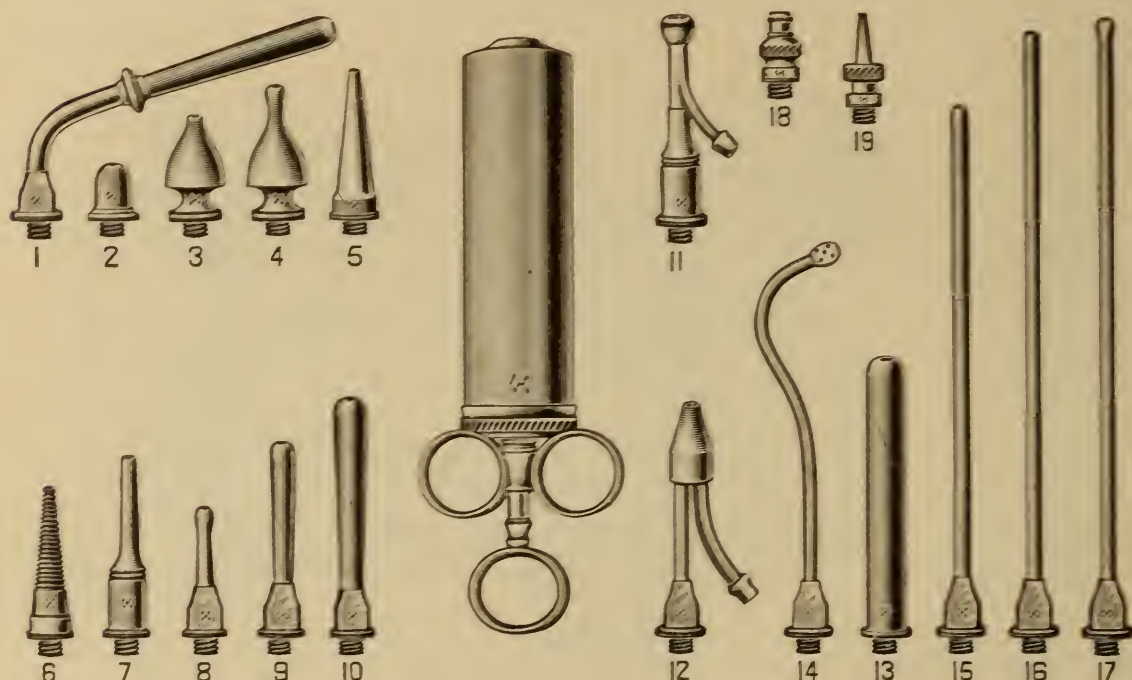
## A-3136 Alexander-Janet Syringe, all metal—

Capacity	50 cc.	75 cc.	100 cc.	150 cc.
Price	\$6.75	\$8.00	\$8.75	\$9.00

## A-3137 Alexander-Janet Syringe, with "Record" ground glass barrel and metal piston—

Capacity	50 cc.	100 cc.	150 cc.
Price	\$10.50	\$12.50	\$13.50

## SYRINGES

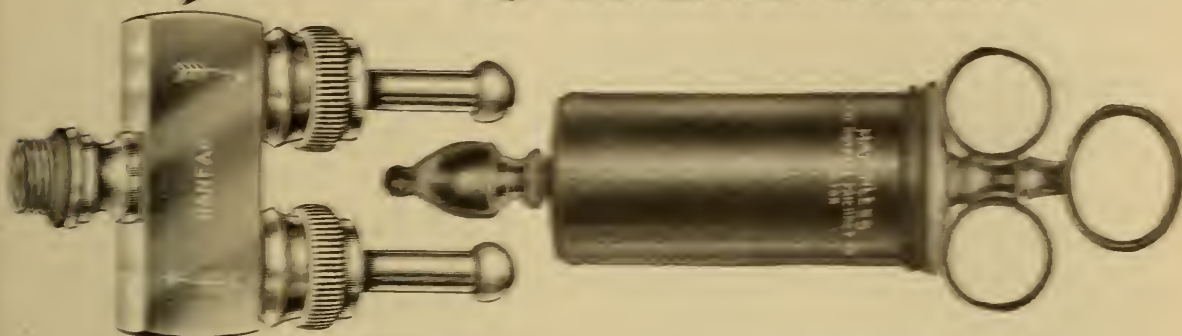


## THE HASLAM PERFECTION SYRINGE

A-3140	Haslam's Perfection Syringe, made entirely of metal, with accurately ground, expanding metal plunger, finger rings, has universal thread to fit any style of standard syringe tip, made of brass, heavily nickel plated.						
	Capacity .....	$\frac{1}{4}$ oz.	$\frac{1}{2}$ oz.	1 oz.	2 oz.	3 oz.	4 oz.
	Price .....	\$2.25	\$2.50	\$2.75	\$3.30	\$4.00	\$4.75
A-3141	Haslam's Metal Syringes, same capacities as A-3140, with leather pistons.						
	Capacity .....	$\frac{1}{4}$ oz.	$\frac{1}{2}$ oz.	1 oz.	2 oz.	3 oz.	4 oz.
	Price .....	\$1.75	\$2.00	\$2.25	\$2.75	\$3.25	\$3.75
A-3145	Adjustable tip, for rubber tubing.....						\$0.25
A-3150	Tip No. 1, bent rectal .....						.60
A-3155	Tip No. 2, penis, small .....						.25
A-3160	Tip No. 3, ear or penis .....						.25
A-3165	Tip No. 4, Kramer's, ear .....						.25
A-3170	Tip No. 5, wound, tapering .....						.25
A-3175	Tip No. 6, catheter .....						.25
A-3180	Tip No. 7, Pomeroy's, ear .....						.25
A-3185	Tip No. 8, rectal, small .....						.25
A-3190	Tip No. 9, rectal, children's .....						.25
A-3195	Tip No. 10, rectal, adults .....						.50
A-3200	Tip No. 11, McCulley's, ear douche .....						.60
A-3205	Tip No. 12, Kiefer's, urethral .....						.60
A-3210	Tip No. 13, rectal, extra large .....						.60
A-3215	Tip No. 14, Bosworth's, post nasal .....						.75
A-3220	Tip No. 15, throat, flexible .....						.50
A-3225	Tip No. 16, uterine, plain .....						.50
A-3230	Tip No. 17, uterine, probe point .....						.50
A-3227	Tip No. 18, standard thread adapter .....						.25
A-3228	Tip No. 19, French slip adapter .....						.25
A-3231	Complete set of tips as shown, on one metal rack.....						7.50



# MATCHLESS ALL-METAL SYRINGE



Aspirator Attachment

The all-metal 'Matchless' Syringe is a strong, powerful, perfect-working and easily manipulated instrument. Superior in every way to leather-packed syringes. Fluted with non-corrosive plunger. May be sterilized in boiling water without injury. After sterilization, a little vaseline applied to the plunger restores it to normally perfect and easy operation. Made in eight sizes and adapted to many uses. Furnished with a choice of tips as noted below.

## PRICE LIST OF MATCHLESS SYRINGES

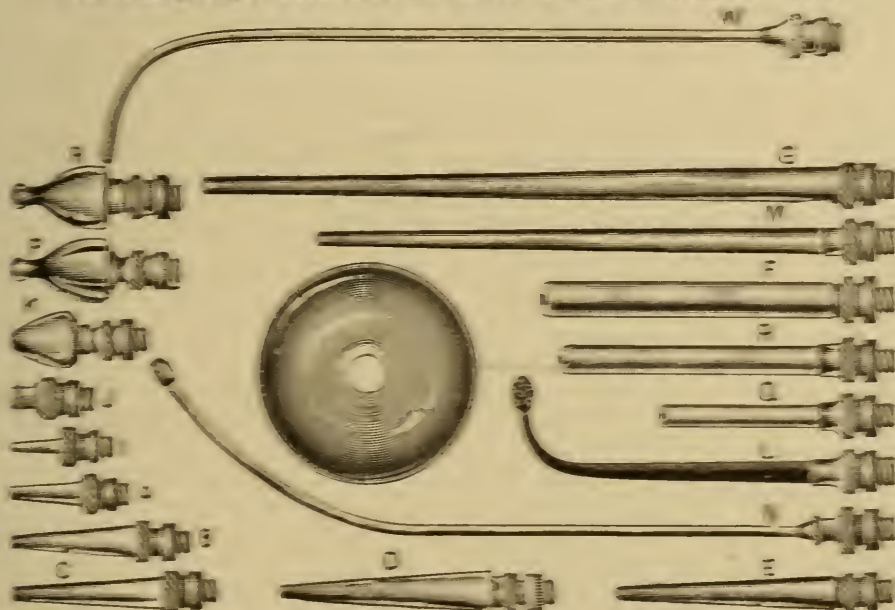
A-1146	Matchless Syringe, $\frac{1}{4}$ ounce	each	\$2.50
A-1147	Matchless Syringe, $\frac{1}{2}$ ounce	each	2.75
A-1148	Matchless Syringe, 1 ounce	each	3.00
A-1149	Matchless Syringe, 2 ounces	each	3.25
A-1150	Matchless Syringe, 3 ounces	each	3.50
A-1151	Matchless Syringe, 4 ounces	each	3.75
A-1152	Matchless Syringe, 6 ounces	each	4.00
A-1153	Matchless Syringe, 8 ounces	each	4.25
A-1154	Matchless Syringe, 10 ounces	each	4.50

Any two of the following tips are included A B C D E H I J K L Q R S T U or any of these: F, G, M, N, or P.

## ASPIRATING ATTACHMENT

The 'Matchless' equipped with Pouzin's Valve, becomes a very efficient aspirating unit. Pouzin's Valve, each..... \$2.00

## DESCRIPTION AND PRICE LIST OF MATCHLESS TIPS



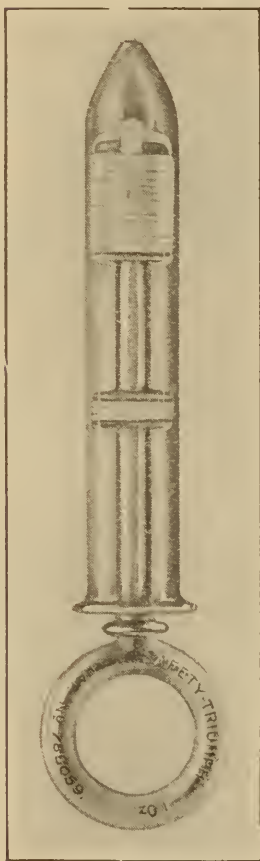
A	American Catheter Slip Adapter	\$0.35	M	Urethra Tapered, $\frac{1}{4}$ in.	\$0.30
B	$1\frac{1}{2}$ inch Catheter Point	.35	N	Intra-Tracheal	.70
C	$1\frac{1}{2}$ inch Tapered Ear	.35	O	Ear Shield	.35
D	$1\frac{1}{2}$ inch Urethra Style	.35	P	Bulbous Ear Return Flow	.70
E	$1\frac{1}{2}$ inch Tapered Ear	.35	Q	Infants' Rectal	.35
F	$\frac{1}{4}$ inch Rectal	.70	R	Youths' Rectal	.35
G	$\frac{1}{4}$ inch Tapered Veterinary	.70	S	Inner Ear Canula	.35
H	Bulbous Ear	.35	T	Olive Point Tapered Ear	.35
I	Standard Slip Adapter (Cent.)	.35	U	Short Olive Point	.35
J	Standard Thread Adapter	.35	V	Return Flow Valve for Aspirator	1.00
K	Conical Urethral	.35	W	Reyes-Wiemann-Urethral	.35
L	Posterior Nasal	1.00			

'Matchless' Tips on Rack:

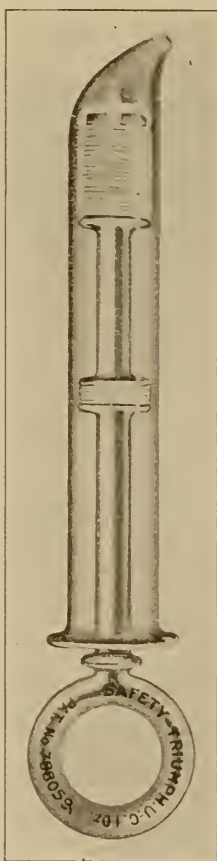
Assortment: C, M, N, Q, H, K, J	\$3.50
Rack and Tips, with 1-in. 'Matchless' Syringe	4.50

# SAFETY-TRIUMPH Aseptic Glass Syringes

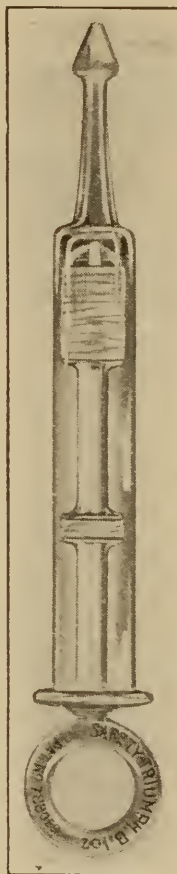
TRADE MARK



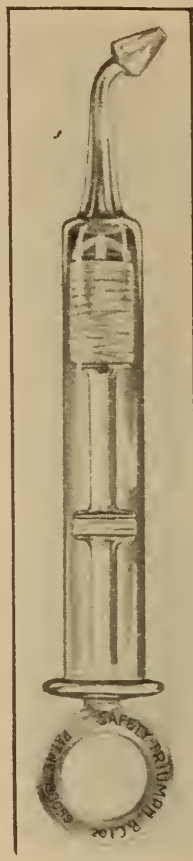
A-3187



A-3188



A-3189



A-3191

## Safety-Triumph Aseptic Glass Syringes

TRADE MARK

For Administering Bismuth Paste

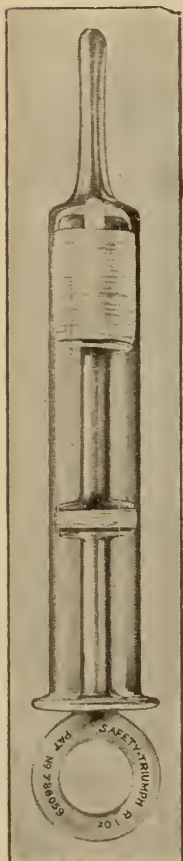
### PRICE LIST

A-3187	Superficial Syringes, Straight Point.	
	1 oz., per doz.....	\$ 6.00
	2 oz., per doz.....	15.00
	3 oz., per doz.....	18.00
	4 oz., per doz.....	21.00
A-3188	Superficial Syringes, Curved Point	
	1 oz., per doz.....	9.00
	2 oz., per doz.....	18.00
A-3189	Deep Sinus Syringes, Straight Bulbous Point	
	1 oz., per doz.....	9.00
	2 oz., per doz.....	18.00
A-3191	Deep Sinus Syringes, Curved Bulbous Point	
	½ oz. (for tonsil work), per doz....	8.00
	1 oz., per doz.....	9.00
	2 oz., per doz.....	18.00
A-3192	Pleural Cavity Syringes, Straight Point	
	½ oz., per doz.....	4.20
	1 oz., per doz.....	6.00
	1½ oz., per doz.....	9.00
	2 oz., per doz.....	15.00
	3 oz., per doz.....	18.00
	4 oz., per doz.....	21.00
A-3193	Pleural Cavity Syringes, Curved Point	
	1 oz., per doz.....	9.00
	2 oz., per doz.....	18.00

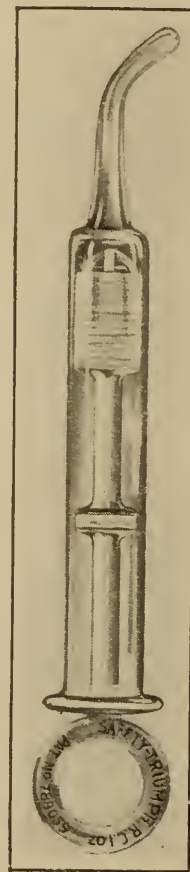
### Always Moisten Packing Before Using

Safety Triumph Aseptic Glass Syringes are made in a wide range of styles and sizes which adapt them to various uses, such as Rectal, Catheter, Urethral, Ear, etc., etc.

Hanger and complete list of Safety Triumph Aseptic Glass Syringes sent on request.



A-3192



A-3193



# A LIST OF SHERMAN'S BACTERINS WITH ORDER NUMBERS

## PREPARATIONS WITH A RECORD FOR RELIABILITY

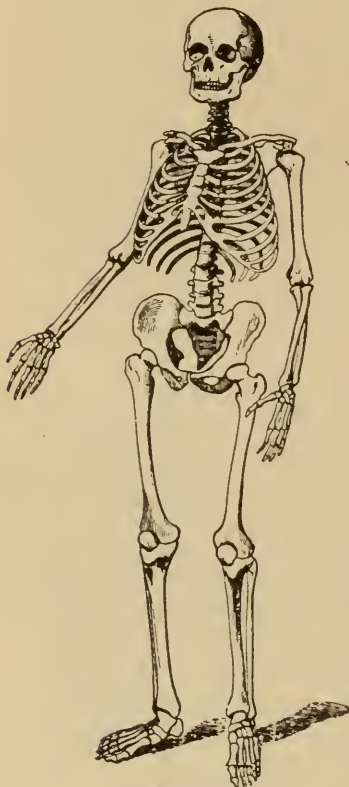
### Daily Users of Vaccines Use Sherman's

Order No.	Number of Organisms per CC.	Order No.	Number of Organisms per CC.
1..	Streptococcus Erysipelatis. 50,000,000	36..	Friedlander bacillus.....300,000,000
	Staphylococcus py. Albus..200,000,000		Micrococcus Catarrhalis...200,000,000
3..	Pneumococcus .....100,000,000		Pneumococcus ..... 80,000,000
6..	Streptococcus py..... 60,000,000		Streptococcus ..... 60,000,000
	Pneumococcus ..... 80,000,000		Staphylococcus py. Aureus.200,000,000
	Staphylococcus py. Aureus.200,000,000		Staphylococcus py. Albus..200,000,000
	Staphylococcus py. Albus..200,000,000	37..	Bordet's Bacillus.....400,000,000
8..	Streptococcus py..... 60,000,000	38..	Influenza Bacillus.....200,000,000
	Pneumococcus ..... 80,000,000		Streptococcus py..... 60,000,000
	Micrococcus Catarrhalis...200,000,000		Pneumococcus ..... 80,000,000
10..	Streptococcus Pyogenes.... 60,000,000		Micrococcus Catarrhalis...200,000,000
	Staphylococcus py. Aureus.200,000,000		Staphylococcus py. Aureus.200,000,000
	Staphylococcus py. Albus..200,000,000		Staphylococcus py. Albus..200,000,000
14..	Streptococcus py..... 60,000,000	40..	Streptococcus ..... 60,000,000
	Pneumococcus ..... 80,000,000		Pneumococcus ..... 80,000,000
	Colon Bacillus..... 80,000,000		Micrococcus Catarrhalis...200,000,000
16..	Colon Bacillus.....300,000,000		Staphylococcus py. Aureus.200,000,000
18..	Staphylococcus py. Aureus.600,000,000		Staphylococcus py. Albus..200,000,000
19..	Staphylococcus py. Albus..600,000,000	41..	Gonococcus .....200,000,000
22..	Staphylococcus py. Aureus.600,000,000		Streptococcus py.....100,000,000
	Staphylococcus py. Albus..600,000,000		Pneumococcus .....100,000,000
23..	Staphylococcus py. Aureus.300,000,000		Colon Bacillus.....200,000,000
	Staphylococcus py. Albus..300,000,000		Staphylococcus Albus.....800,000,000
	Staphylococcus py. Citreus.300,000,000	42..	Streptococcus Pyogenes...120,000,000
25..	Gonococcus .....1,000,000,000	43..	Bordet's Bacillus.....400,000,000
27..	Gonococcus .....200,000,000		Micrococcus Catarrhalis...100,000,000
	Staphylococcus Albus.....800,000,000		Pneumococcus ..... 40,000,000
30..	Typhoid Bacillus.....1,000,000,000		Streptococcus ..... 30,000,000
32..	Acne Bacillus..... 20,000,000	45..	Non-virulent T. B.....500,000,000
	Staphylococcus py. Albus..500,000,000	46..	Typhoid Bacillus.....1,000,000,000
33..	Acne Bacillus..... 40,000,000		Paratyphoid Bacillus "A"..500,000,000
	Staphylococcus py. Albus.1,000,000,000		Paratyphoid Bacillus "B"..500,000,000
34..	Meningococcus .....1,000,000,000	47..	Non-virulent T. B.....1,000,000,000
35..	Streptococcus py.....100,000,000	48..	Gonococcus .....200,000,000
	Pneumococcus .....100,000,000		Streptococcus .....100,000,000
	Staphylococcus py. Aureus.200,000,000		Pneumococcus .....100,000,000
	Staphylococcus py. Albus..200,000,000		Colon Bacillus.....200,000,000
	Staphylococcus py. Citreus.200,000,000		Pseudo-Diphtheria .....300,000,000
	Colon Bacillus.....200,000,000		Staphylococcus py. Albus..800,000,000
		49..	Gonococcus .....1,000,000,000
			Streptococcus .....100,000,000
			Pneumococcus .....100,000,000
			Colon Bacillus.....200,000,000
			Pseudo-Diphtheria .....300,000,000
			Staphylococcus py. Albus..800,000,000

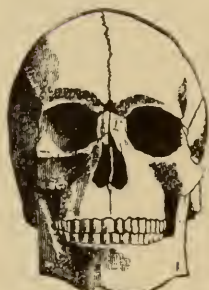
These vaccines sell at a uniform price, regardless of strength or combination, and are marketed in ampules or aseptic self-sealing bulk packages.

**PRICES**—One package of six 1 c. c. glass sealed ampules, \$1.50; one 5 c. c. special aseptic bulk package averaging 8 to 10 doses, \$1.00; one 18 c. c. special aseptic bulk package averaging 27 to 35 doses, \$3.00.

## OSTEOLOGICAL PREPARATIONS



A-3265



A-3300



A-3375

*A-3235	Skeleton, disarticulated, ordinary.....	\$35.00
*A-3240	Skeleton, disarticulated, selected.....	45.00
*A-3245	Skeleton, disarticulated, extra fine.....	50.00
*A-3250	Skeleton, German articulation, ordinary...	45.00
*A-3255	Skeleton, German articulation, selected...	50.00
*A-3260	Skeleton, German articulation, extra fine...	55.00
A-3265	Skeleton, Tramond's, best French articulation, ordinary.....	50.00
A-3275	Skeleton, Tramond's, best French articulation, selected.....	60.00
A-3276	Skeleton, Tramond's, best French articulation, extra fine.....	75.00
*A-3280	Skeleton, foetal, mounted on stand.....	10.00
*A-3285	Skull, disarticulated, in pasteboard box, ordinary .....	19.00
*A-3290	Skull, disarticulated, in pasteboard box, selected .....	22.00
*A-3295	Skull, disarticulated, in pasteboard box, extra fine.....	25.00
A-3300	Skull, plain, lower jaw articulated, ordinary	16.00
A-3305	Skull, plain, lower jaw articulated, selected.	20.00
A-3310	Skull, plain, lower jaw articulated, extra fine	25.00
*A-3315	Skull, 2 cut, articulated, fine.....	18.00
*A-3320	Skull, 5 cut, articulated, fine.....	25.00
*A-3325	Skull, 7 cut, articulated, fine.....	30.00
*A-3330	Skull, disarticulated, mounted according to Beauchene's method, all bones being united with polished metal strips. The bones may be disconnected and can be studied separately. Mounted on wood base, with glass dome cover.....	75.00
*A-3335	Skull, foetal.....	4.50
*A-3340	Spinal column, articulated on catgut.....	10.00
*A-3345	Pelvis, female, without ligaments.....	12.00
*A-3350	Pelvis, female, with ligaments.....	16.50
*A-3355	Arm and Hand, articulated.....	6.00
*A-3360	Hand, articulated with catgut.....	3.50
*A-3365	Leg and Foot, articulated.....	7.50
*A-3370	Foot, articulated with catgut.....	3.75
A-3375	Cross Bones (femurs), per pair.....	3.75
*A-3380	Temporal Bone, bisected through the mastoid, etc.....	10.00
*A-3385	Iron Stand, finished in aluminum bronze, adjustable to any height, for suspending skeleton .....	7.50

## ANATOMICAL STAMPS

We carry a full line of rubber stamps in stock, but space will not permit us to list them. A complete illustrated price list of these stamps will be mailed upon request.



## Section "B"

Anaesthetic

General Operating

Osteotomy

Trepanning

Bullet

Pocket Case

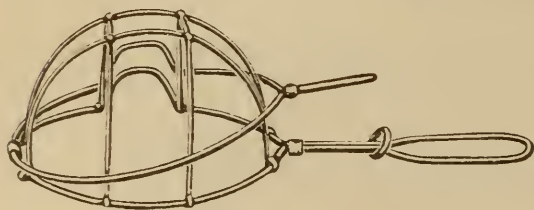
Cautery

Ligatures

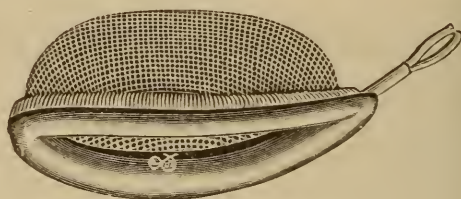
Sutures

Dressings, Etc.

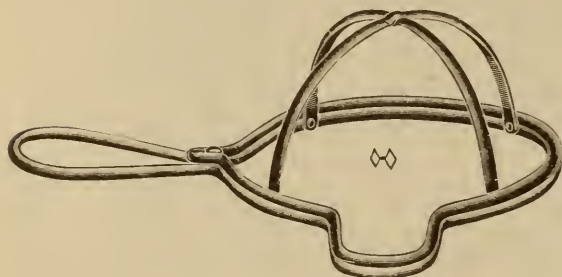
## ANAESTHETIC



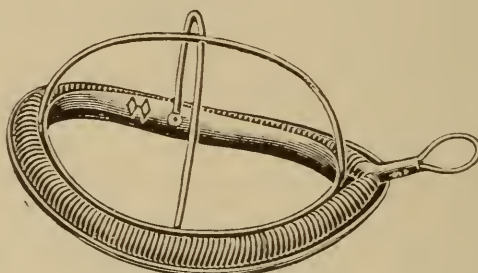
B-62



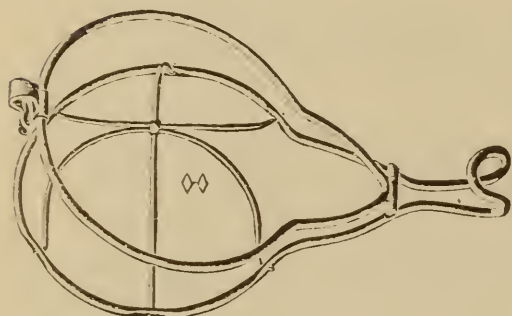
B-45



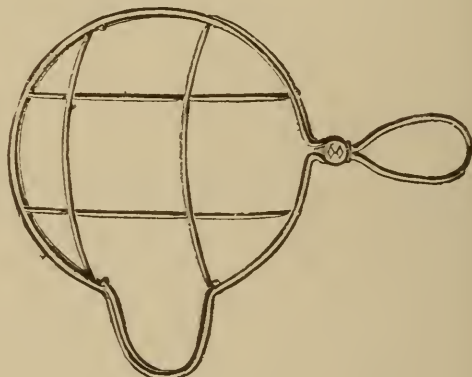
B-20



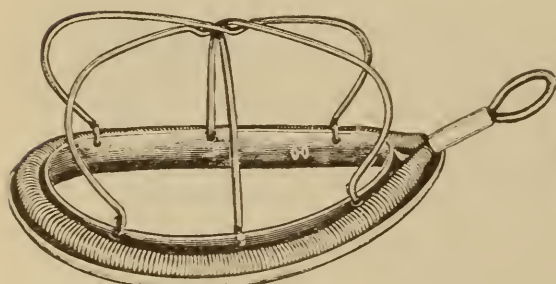
B-47



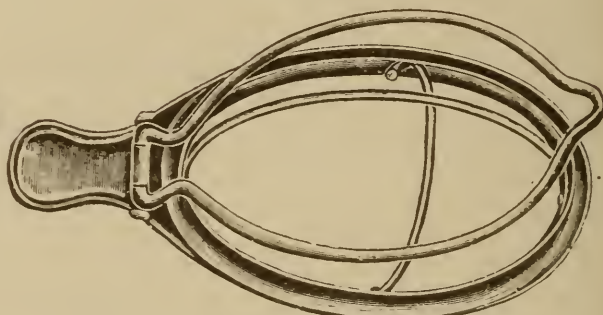
B-8



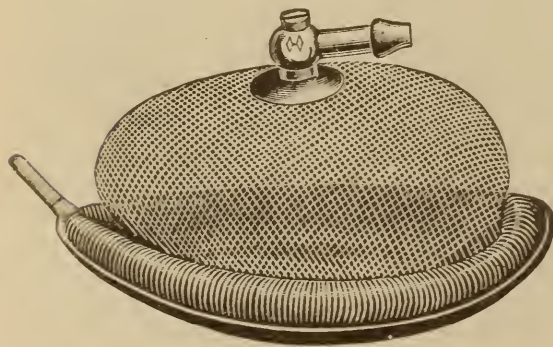
B-15



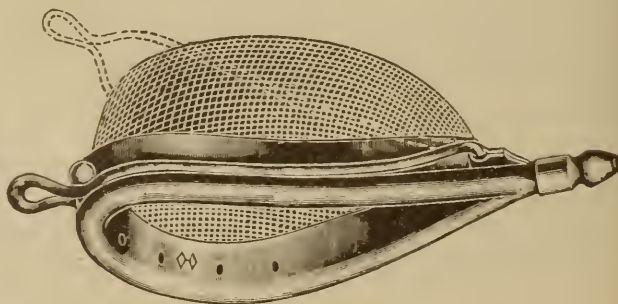
B-46—Patented



B-25



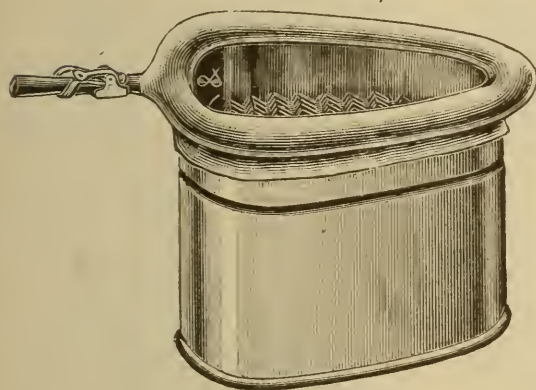
B-12



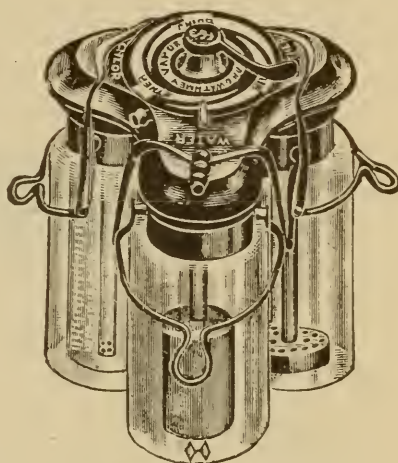
B-7



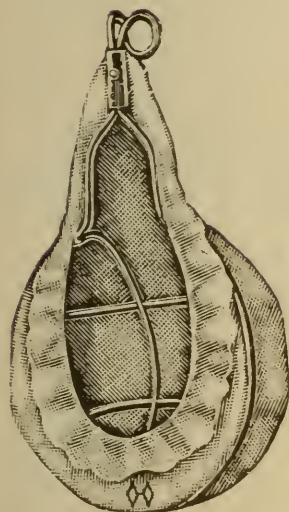
## ANAESTHETIC



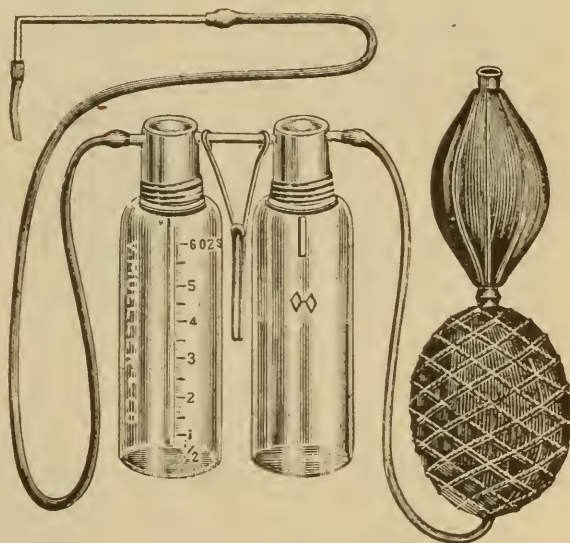
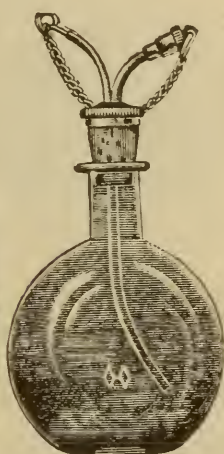
B-50-57



B-11



B-5



B-6

## CHLOROFORM INHALERS AND MASKS

B-6	Brophy's, vapor, for chloroform or ether.....	\$10.00
B-5	Esmarch's, with drop bottle and cover.....	1.00
B-8	Esmarch's, folding, with cover.....	1.20
*B-9	Gwathmey's, vapor mask .....	3.00
B-7	Gwathmey-Yankauer's, vapor mask .....	3.50
B-11	Gwathmey's, vapor inhaler .....	40.00
B-12	Lumbard's, vapor mask .....	3.60
B-15	Ochsner's, wire mask .....	1.20
B-20	Ochsner's, folding mask .....	1.50
B-25	Schimmelbusch's, folding mask.....	1.20
B-45	Yankauer's, mask only .....	2.00
B-46	Yankauer's, folding mask .....	1.50
B-47	Yankauer's-Simplex, folding mask .....	1.50

## ETHER INHALERS

B-50	Allis' improved, metal, nickel plated .....	\$ 3.50
*B-52	Allis' improved, aluminum .....	3.50
*B-55	Allis' improved, metal, with soft rubber inflating face piece .....	4.00
B-57	Allis' improved, aluminum, with soft rubber inflating face piece .....	4.00
B-4	Bennett's, for personal application, obstetric work, etc.....	1.25
B-62	Sander's, mask only .....	1.50
*B-65	Townsend's, all-metal .....	1.75
*B-70	Townsend's, all-metal, with rubber face piece.....	3.00
*B-72	Face piece, soft rubber, inflatable, for ether inhaler.....	1.50



B-4

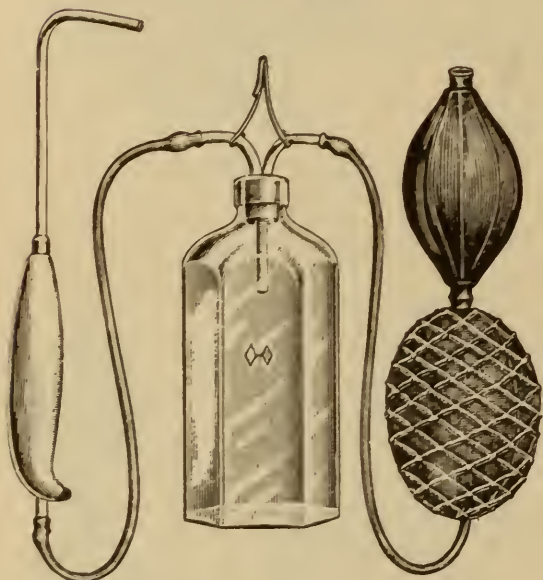
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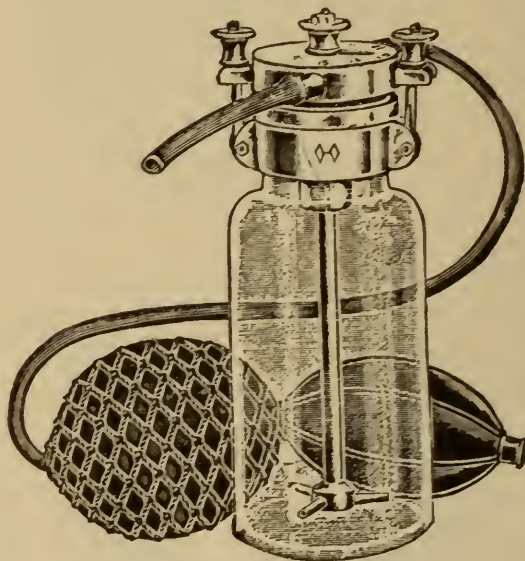
B-108



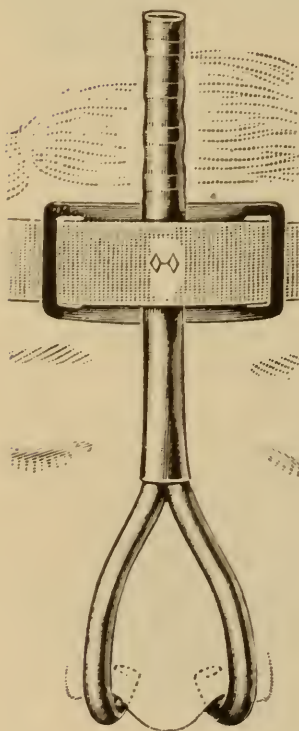
B-111



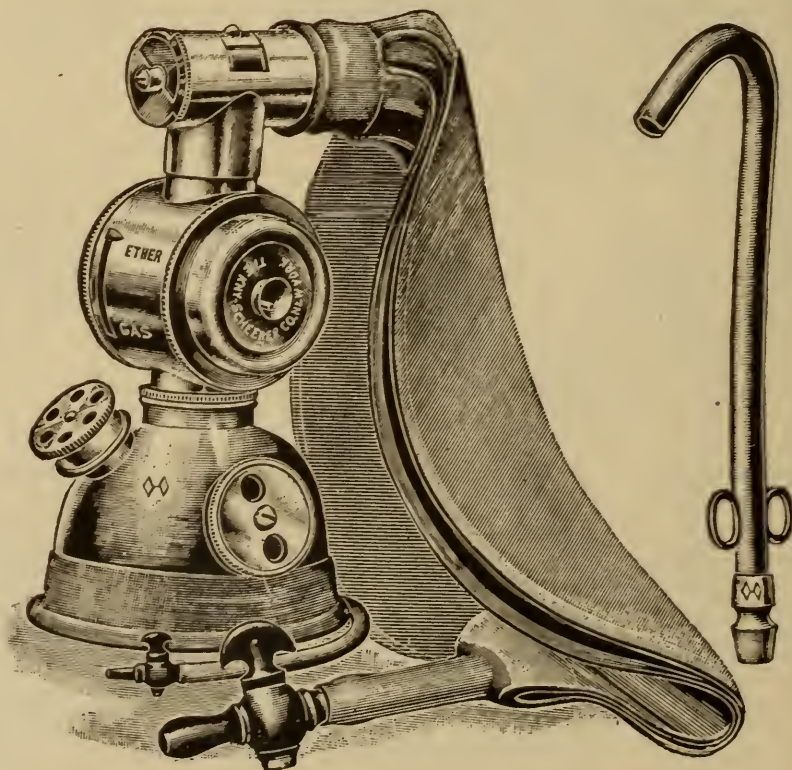
B-102



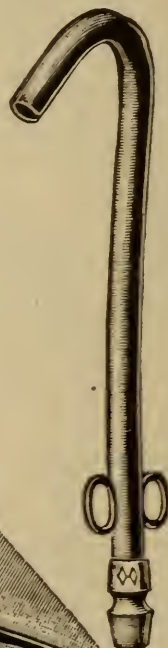
B-103



B-109



B-110



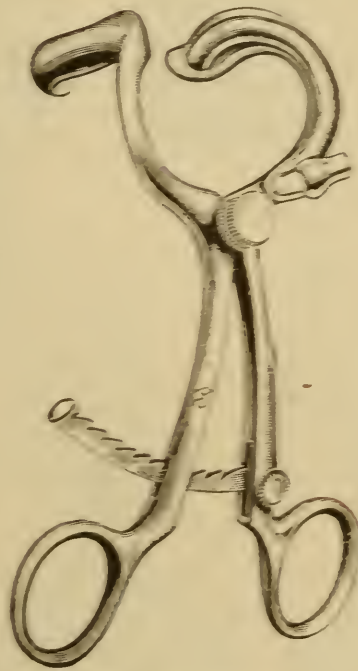
B-112



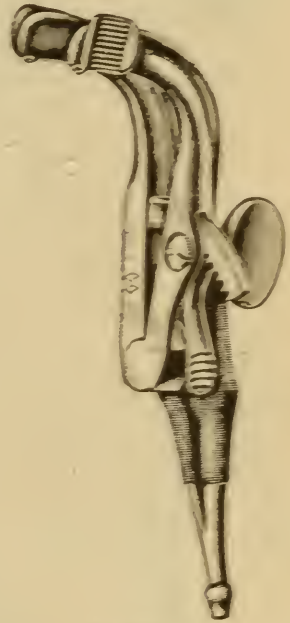
## ANAESTHETIC



B-104



B-106

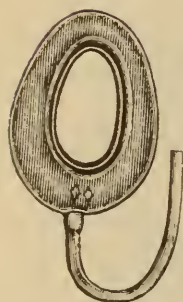


B-107

## INHALERS, GAGS, TUBES, ETC.

B-110	Inhaler, Gwathmey's, for gas ether sequence.....	\$10.00
B-102	Inhaler, Killian-Buchanan's, for vapor, chloroform or ether.....	10.00
B-103	Bottle, Hitz's, vapor, adaptable for vapor gag or throat tube.....	5.50
B-104	Gag, Denhard's, with anaesthetic tube .....	5.00
B-106	Gag, Doyen's, with anaesthetic tube.....	6.50
B-107	Gag, Ferguson's, with anaesthetic tube.....	6.00
B-108	Screw, oral, hard rubber, for forcing the mouth open.....	.50
B-109	Tube, Connell's, for nasal or intratracheal insufflation with vapor ether..	2.00
B-111	Tube, Connell's, pharyngeal rebreathing .....	3.50
B-112	Tube, Gwathmey's, throat .....	1.50

## ANAESTHETIC



B-72



B-86-87



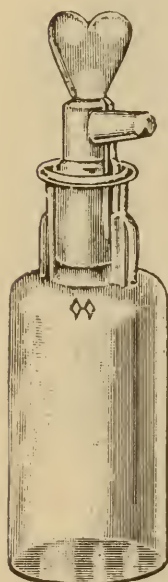
B-81



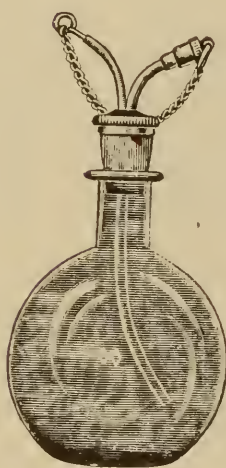
B-88



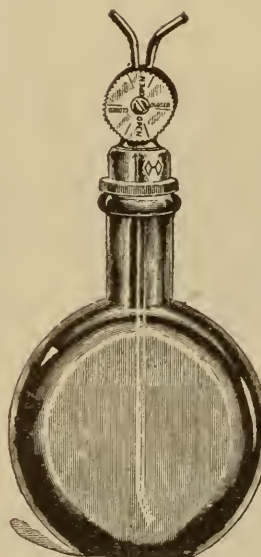
B-89



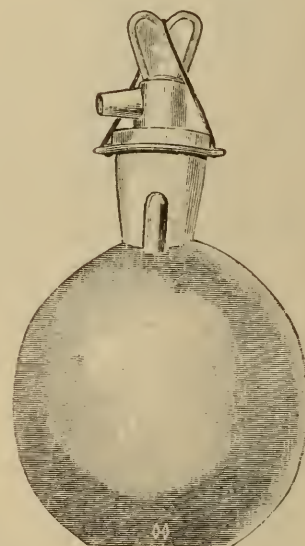
B-83-84



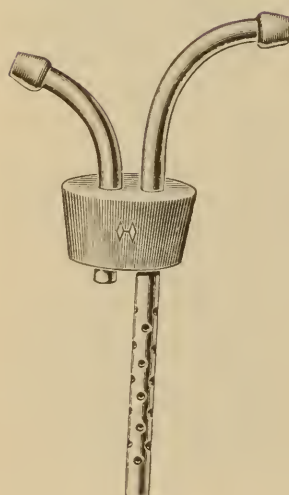
B-80



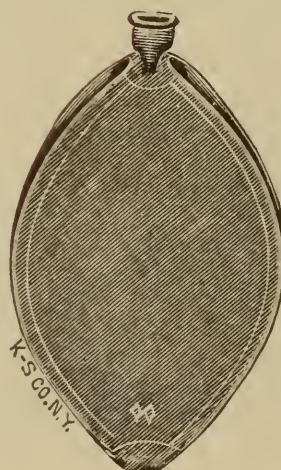
B-90



B-82



B-92



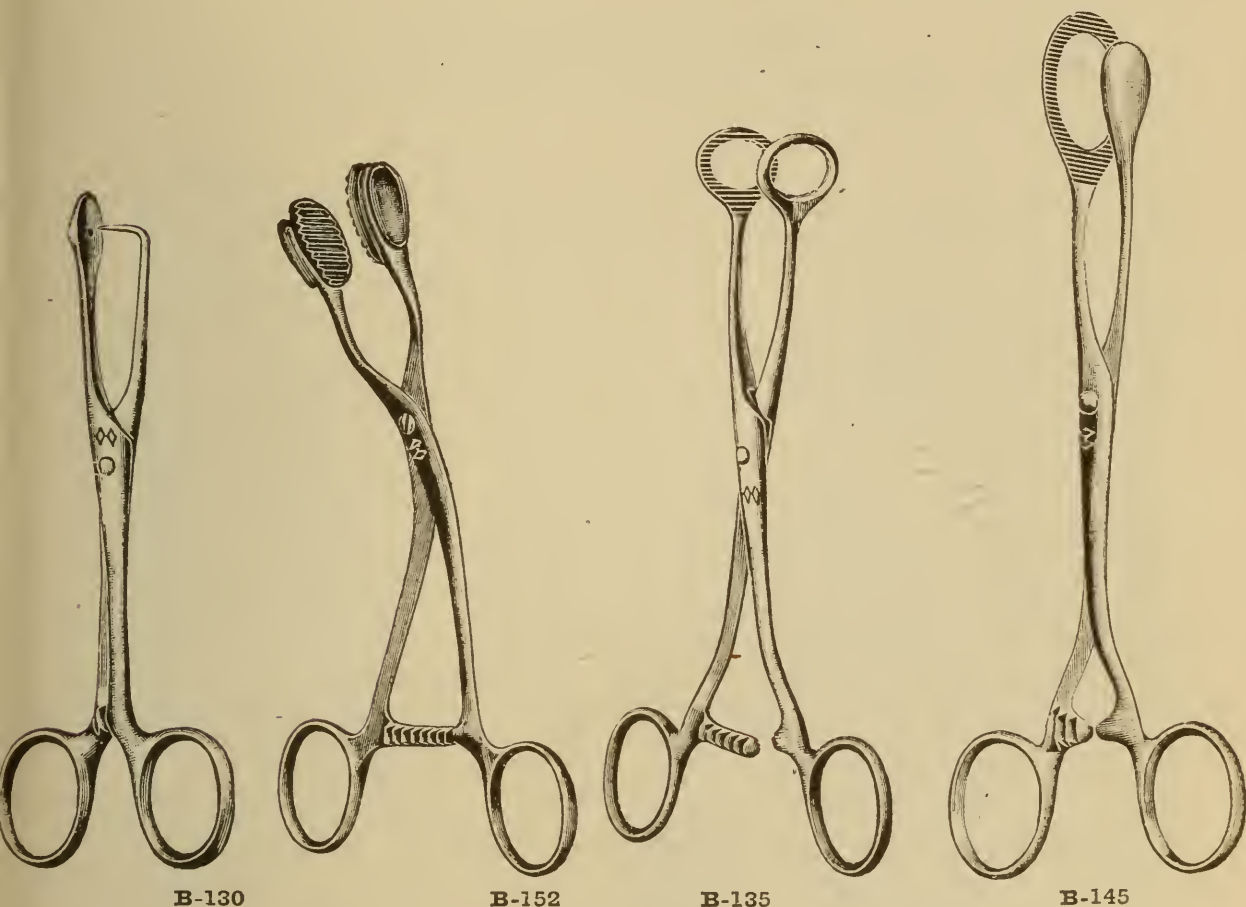
B-93



B-91



## ANAESTHETIC

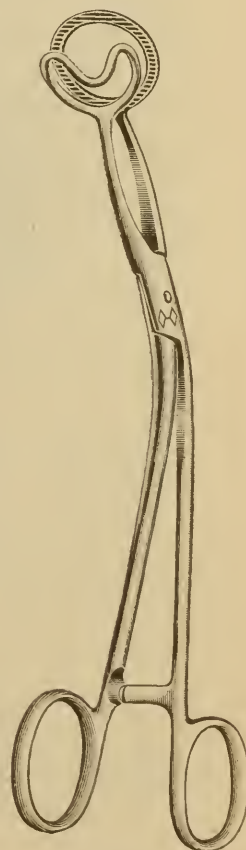


## DROP BOTTLES, DROPPERS AND TONGUE FORCEPS

B- 80	Esmarch's .....	\$0.60
B- 81	German, 100 cc. leather covered.....	1.85
B- 82	Haslam's .....	.50
B- 90	Haslam's, with indicating dial stopcock.....	1.50
B- 83	Crystal, 100 cc. ....	.25
B- 84	Amber, 100 cc.....	.35
B- 86	Crystal, flat stopper, 100 cc.....	.40
B- 87	Amber, flat stopper, 100 cc.....	.50
B- 88	Crystal, with white enameled label chloroform, 60 cc.....	1.00
	150 cc. ....	1.25
B- 89	Crystal, with white enameled label, ether, 60 cc.....	1.00
	150 cc. ....	1.25
B- 91	Dropper, Pinneo's, regulating, 4½ inch, \$1.50; 7 inch.....	2.25
B- 92	Vapor tube, Hunt's, with pure gum stopper.....	1.25
B- 72	Face piece, inflatable, rubber .....	1.50
B- 93	Ether bags, soft rubber.....	2.25
*B- 94	Gas bags, soft rubber .....	2.50

## TONGUE FORCEPS

*B-128	Berger's, 5½ inch .....	\$2.25
B-130	Carmalt's, 5½ inch .....	2.00
B-135	Collins,, 6½ inch, \$2.10; 7¾ inch.....	2.25
B-138	Haslam's .....	2.25
*B-140	Houze's, 6¼ inch .....	3.00
B-145	Mathieu's, 7 inch .....	2.15
B-152	Young's, with soft rubber tips.....	3.00

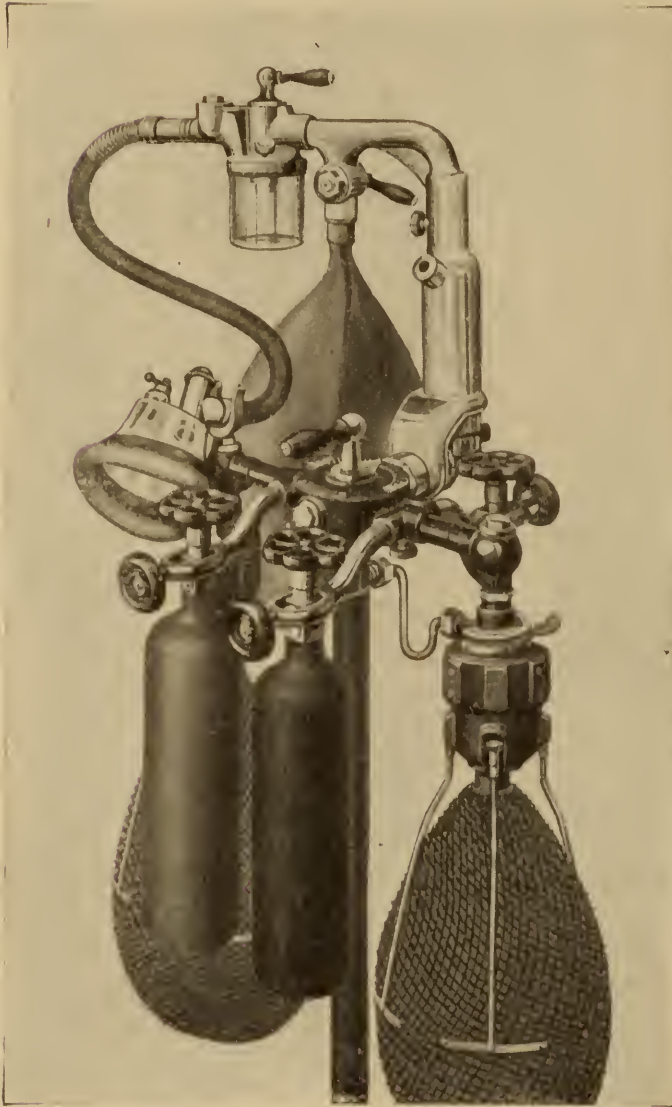


B-138

## THE CLARK OPEN SYSTEM

(NITROUS OXID AND OXYGEN)

With Ether Sequence—Rebreathing—Warming



Prolonged Deep Anaesthesia  
for Major Surgery, with the

### A-124 CLARK NEW MODEL GAS OUTFIT

Safe and Economical

The Original Clark Simple  
System—one handle control—  
thorough mixing chamber—full  
volume and free flow.

Built on the Standardized  
Unit Plan. The units consist  
of Ether-Rebreathing and  
Warmer attachments, either of  
which, or all in combination,  
can be added, as required.

Automatically Regulated

The practical and scientific  
outfit, the result of 23 years'  
experience. Send for literature.

Clark New Model Gas Outfit with Automatic  
Regulators, Ether-Rebreathing and Warmer At-  
tachments.

## A. C. Clark & Co.

Manufacturers

Grand Crossing

Chicago



## THE CLARK OPEN SYSTEM

(NITROUS OXID AND OXYGEN)

Light or Deep Analgesia for Obstetrics and Minor Surgery, with the  
B-126 BABY CLARK GAS OUTFIT



Baby Clark

The New Portable Outfit for administering Nitrous Oxid and Oxygen, embodying the Original Clark Simple System for producing Prolonged Analgesia for Painless Childbirth, Surgical Dressings and minor operations of all kinds.



Baby Clark in Case

The Baby Clark is a condensed form of the larger Standard Outfit, with the same Thorough Mixing Chamber and simple One-Handle Control.

The Automatic Feeder (indicated by the arrow) is a new and original Clark creation for obstetrics.

**SPECIAL  
FEATURES**

{  
Simplicity  
One-Handle Control  
Thorough Mixing Chamber  
One Bag for Nitrous Oxid  
One Bag for Oxygen  
Automatic Feeder

The Standard Surgical Attachments, consisting of Ether-Rebreathing and Warmer, as illustrated on the standard outfit on opposite page, are applicable to the Baby Clark. Send for literature.

**A. C. Clark & Co.**

Manufacturers

Grand Crossing

Chicago



**The Autogenor**

With washbottle, tube and mouthpiece, as it substitutes the oxygen tank, yielding pure oxygen at  $2\frac{1}{2}$ c per gallon.

## ANAESTHETIC

### Oxygen Generator

#### "AUTOGENOR"

An automatic pressure generator of medicinally pure oxygen produced by the simple reaction of fused sodium peroxide (Oxone) and water.

An economic, highly efficient and extremely practical substitute of the oxygen tank, portable in carrying case.

The average cost of pure oxygen produced in this manner is  $2\frac{1}{2}$ c per gal. There is no loss by leakage or deterioration connected with the process.

- |       |   |         |
|-------|---|---------|
| B-116 | Price complete with inhalation attachment in carrying case and Oxone charges to make 500 gals. pure oxygen..... | \$45.00 |
| B-117 | The same with Meltzer device for resuscitation ("Life Saving Autogenor").....                                   | 75.00   |
| B-118 | The same with three-bottle vapor inhaler and mask ("Anesthetic Autogenor")..                                    | 65.00   |



### "GWATHMEY-GAS-OXYGEN-APPARATUS" (with Ether Attachment)

Illustration shows the portable outfit complete with carrying case, holding three small tanks. Same outfit also on extra stand for hospital use as well as in large size, holding two large gas and two large oxygen cylinders.

The regular outfit includes surgical inhaler, ether attachment, mercury gauge for intratracheal insufflation, yoke couplings and alcohol heater.

It is particularly noteworthy that with this new "Gwathmey Apparatus" reducing valves are substituted by simple needle valves of special construction, known as "Foregger Control Valves."

- |       |  |          |
|-------|--|----------|
| B-119 | Surgical Outfit (as illustrated) .....   | \$100.00 |
|       | Obstetrical Outfit, without ether attachment and mercury gauge, with nasal inhaler)..... | 85.00    |
| B-121 | Hospital Outfit (with extra stand on castors).....                                       | 115.00   |
| B-122 | Large Outfit (for 250 gal. gas tanks).....   | 150.00   |



# Lennox Nitrous Oxid

99.70%  
PURE  
N<sub>2</sub>O



THE Induction of Anesthesia with Nitrous Oxid and Oxygen followed by ether, known as the sequence method—is recognized by the most proficient anesthetists, to be **the** method of choice for ether anesthesia, because Nitrous Oxid produces unconsciousness in from 4 to 10 breaths without odor, suffocation, excitement, or other unpleasantness after which ether may be readily administered. Nitrous Oxid induction saves much time, is pleasant for the patient, and minimizes the flow of mucous with its consequences. This is easily and successfully accomplished, provided the anesthetist demands

## LENNOX NITROUS OXID

which is chemically pure and manufactured for medicinal purposes only.

When ordering from your supply house insist upon LENNOX NITROUS OXID. If it cannot be procured, address us direct.

## THE LENNOX CHEMICAL CO.

Manufacturing Chemists of Nitrous Oxid, Oxygen and Carbon Dioxide

Factory and Laboratories, 1201-15 E. 55th Street

Cleveland, Ohio

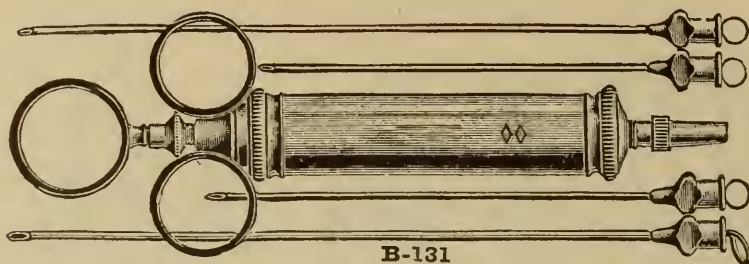
NEW YORK BRANCH—380 Lafayette Street

SAN FRANCISCO BRANCH—960 Mission Street

## LOCAL ANAESTHESIA



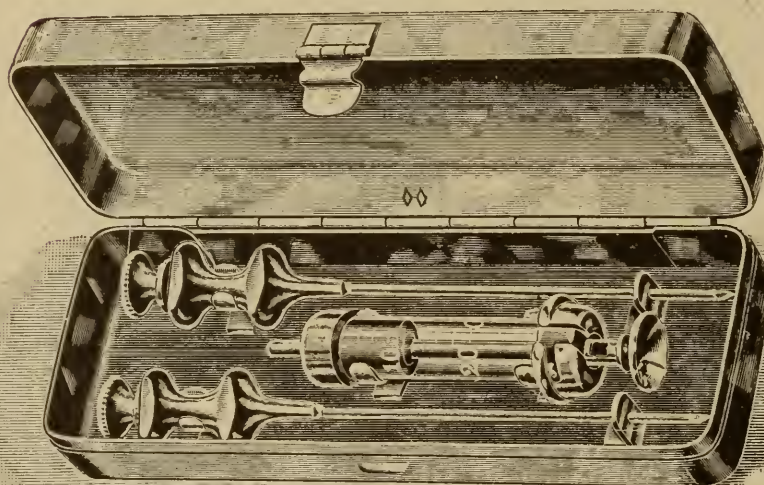
B-137



B-131



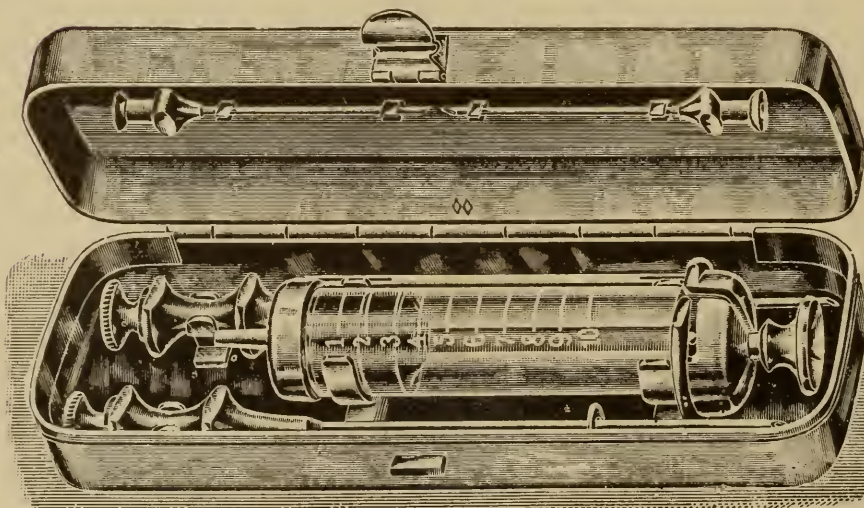
B-138



B-133



B-139



B-134



B-141

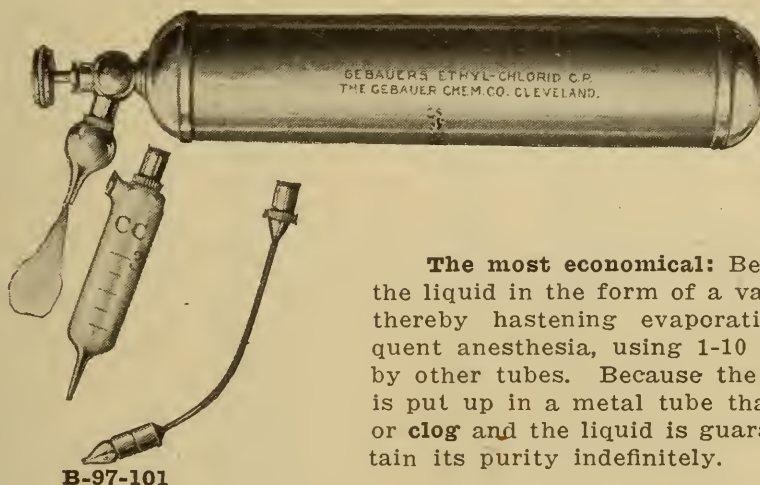


## LOCAL ANAESTHESIA

## "GEBAUER'S" ETHYL CHLORIDE

## LOCAL AND GENERAL ANAESTHESIA ETHYL CHLORIDE (GEBAUER'S)

The most improved and economical tube for the administration of  
Ethyl Chloride on the market



**The most economical:** Because it sprays the liquid in the form of a vaporized stream, thereby hastening evaporation and consequent anesthesia, using 1-10 the liquid used by other tubes. Because the Ethyl Chloride is put up in a metal tube that will not leak or clog and the liquid is guaranteed to maintain its purity indefinitely.

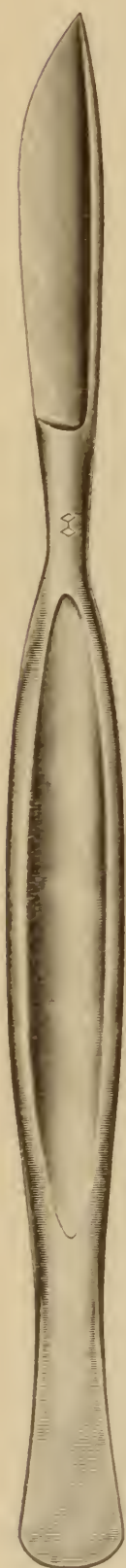
**The most improved:** Because with the flexible spraying nozzle parts of the mouth, ear, nose and throat can be anaesthetized which cannot be reached with any other Ethyl Chloride tube. Because with the graduated dropper the Ethyl Chloride for general anesthesia by the drop method can be accurately measured and administered without inconvenience or waste, in the form of drops or a jet stream as desired. Sent anywhere upon receipt of price; safe delivery guaranteed.

B- 97	Gebauer's Ethyl Chloride, 40 grm. tube with ordinary spraying nozzle..	\$ 1.10
B- 98	Gebauer's Ethyl Chloride, 100 cc. tube with ordinary spraying nozzle..	1.75
B- 99	Gebauer's Flexible Spraying Nozzle alone.....	.50
B- 95	Gebauer's Inhaler, for Ethyl Chloride by the drop method.....	5.00
The flexible nozzle and the graduated dropper will fit either size tube and can be used indefinitely.		
B-101	Gebauer's Graduated Dropper .....	.50

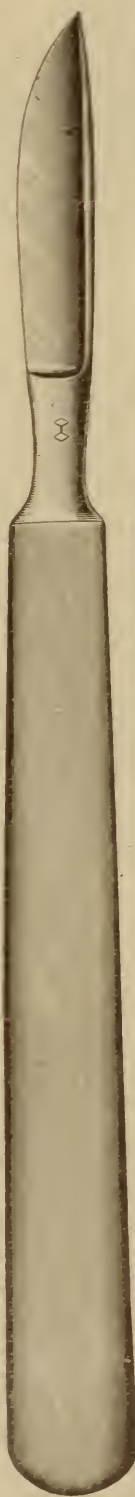
## SYRINGES AND NEEDLES FOR LOCAL ANESTHESIA

B-131	Bainbridge's, 5 cc. capacity, all metal, with 4 needles, in leather case..	\$ 6.00
*B-132	Bier's, Vein Anesthesia, 100 cc. capacity, 3 blunt canulæ, each with cut-off, tubing and connections, in metal case.....	31.50
B-133	Bier's, "Record" pattern, 2 cc. capacity, with 2 long steel needles, in metal case .....	8.50
B-134	Bier's, "Record" pattern, 10 cc. capacity, with 2 trocar needles, in metal case .....	9.50
*B-136	Schleich's, 5 cc. capacity, rubber piston, screw cap bottle, 10 needles, and 2 vials of Sal. anaesthet tablets, in metal case.....	14.50
B-137	Babcock's needle, for spinal anesthesia.....	1.25
B-138	Barker's needle, for spinal anesthesia.....	2.00
B-139	Barker's, canulæ, hard nickel, for fitting into needle.....	2.00
B-141	O'Brien's needle, for spinal anesthesia .....	1.25
*B-142	Wolfsohn's needle, for spinal anesthesia, with stop cock.....	5.00

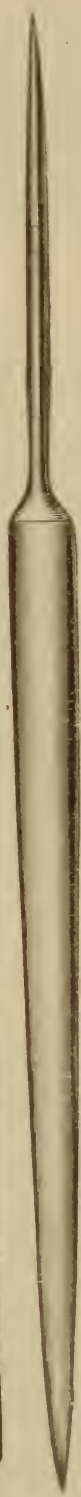
## GENERAL OPERATING



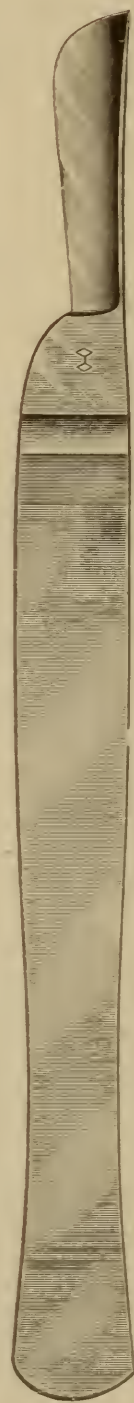
B-165



B-170



B-175



B-180



**HASLAM'S AMERICAN OPERATING KNIVES**  
Illustrations shown full size



## GENERAL OPERATING

## KNIVES

Our knives include only the best American and English makes. They are made of the finest grained English tool steel (Jessop's), and are hand forged throughout. Each knife is tempered with the utmost care, and is ground, polished and honed by the most expert workmen.

We guarantee each knife to be perfect in every respect. Should any defect in our knives be shown after use we stand ready to replace without charge.

We would also suggest to our patrons that surgical knives should be sent to your regular instrument dealer when in need of regrinding, as local mechanics generally are not familiar with the methods of grinding and polishing necessary to obtain the best results.

## ENGLISH OPERATING KNIVES

\*B-155 Weiss', genuine, furnished only in blades Nos. 52 to 66, each. \$2.00

## HASLAM'S AMERICAN OPERATING KNIVES

- B-165 Haslam Pattern, concave handle, furnished in all numbers, each ..... \$1.00
- B-170 Luer's Pattern, convex handle, furnished in all numbers, each ..... 1.50
- B-175 English Pattern, fluted handle, furnished in all numbers, each ..... 1.50
- B-180 Swedish Pattern, plain handle, furnished in Nos. 67 to 83, inclusive, each ..... 1.50
- \*B-176 Jefferson Pattern, furnished in all numbers, each ..... 1.25
- B-182 Pulaski Knives, made only in 1, 1¼, 1½ and 1¾ inch blades, each \$1.50; per set of four ..... 5.00

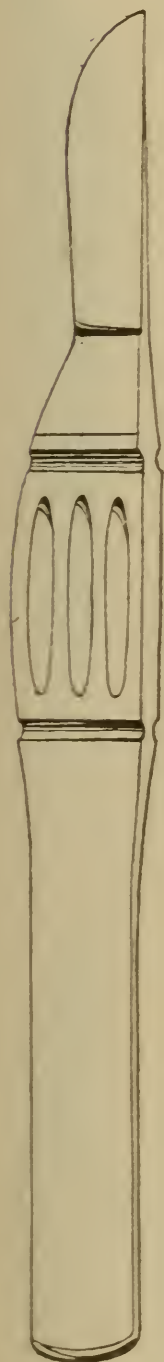
## Note.

For blades 86 and 88 add \$0.25 to the regular list.

For blades 87, 89, 90 and 91 add \$0.50 to the regular list.

## LITTAUER'S SCALPELS

- B-183 Littauer's Scalpels, Mayo Pattern of blade, made only in 1, 1¼, 1½ and 1¾-inch blades, each ..... \$1.50
- B-184 Littauer Scalpels, Weiss Pattern of blade, made only in 1, 1¼, 1½ and 1¾ inch blades, each ..... 1.50
- Set of three in wood case .... 4.00
- Set of six in wood case ..... 7.50
- Set of twelve in wood case ... 15.00



B-132



B-183



B-184

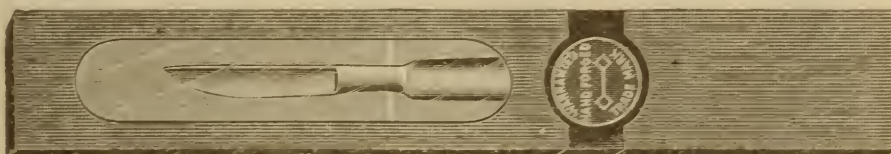
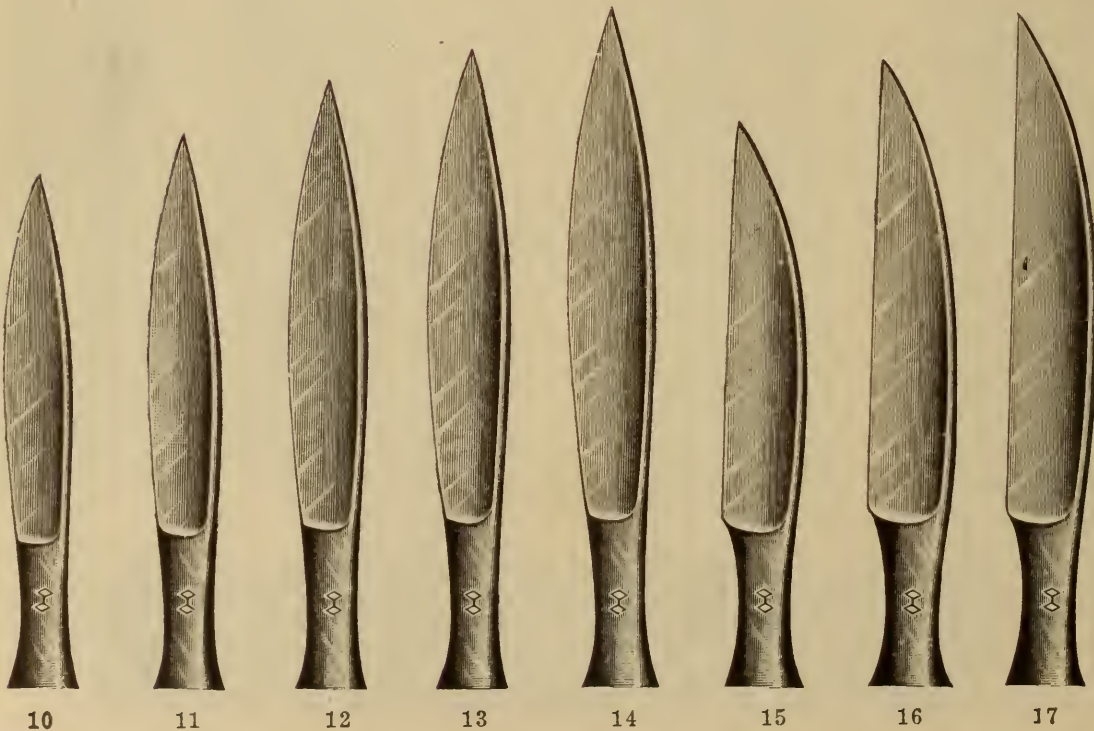
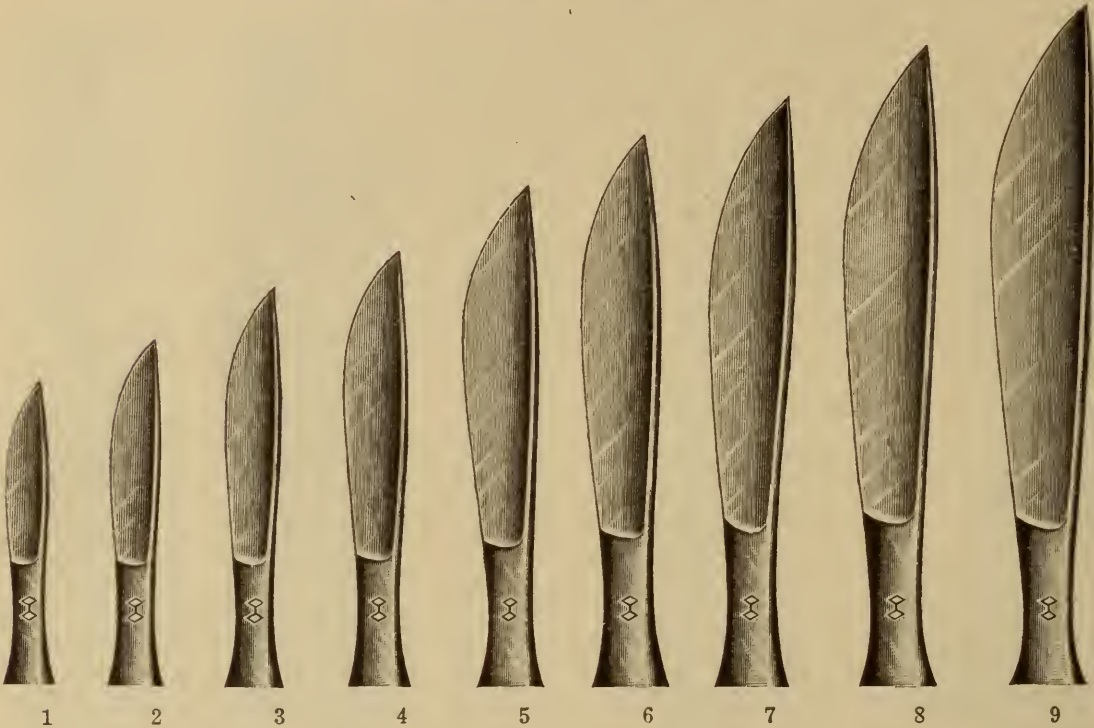


Fig. A

All knives listed, with the exception of B-165, are put up in individual boxes, similar to Fig. A. Individual boxes can be furnished with B-165 knives at an advance of 10 cents.

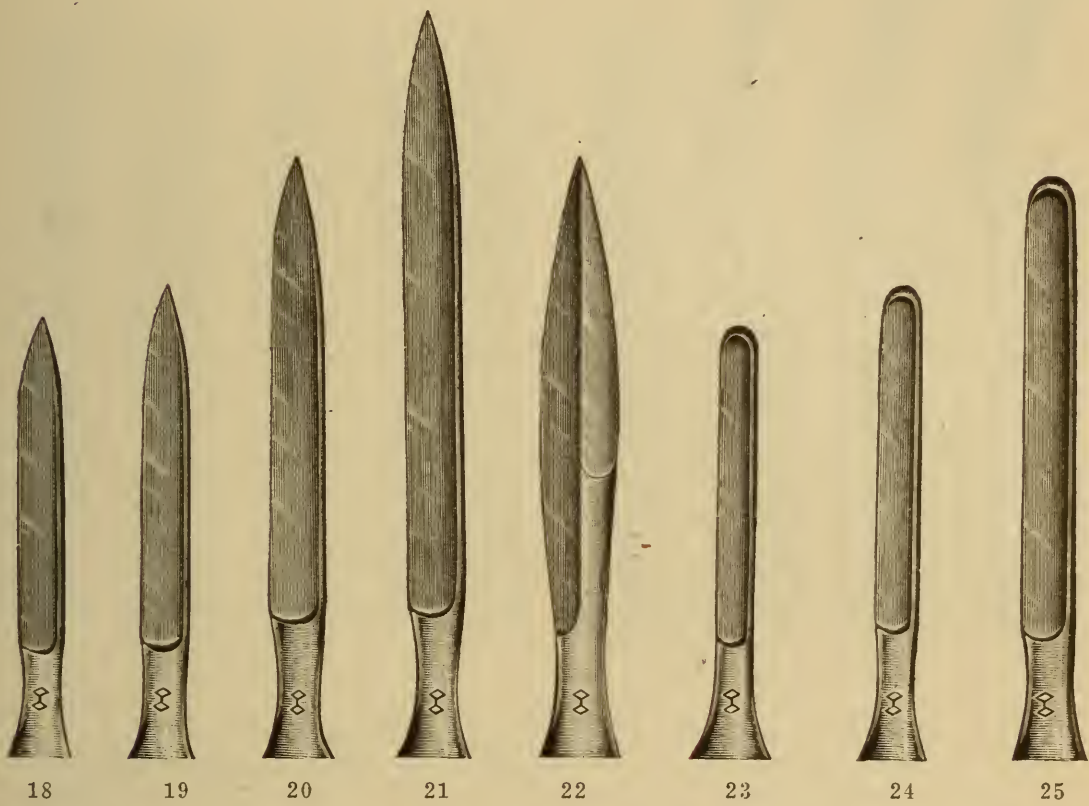
GENERAL OPERATING



Illustrations shown full size

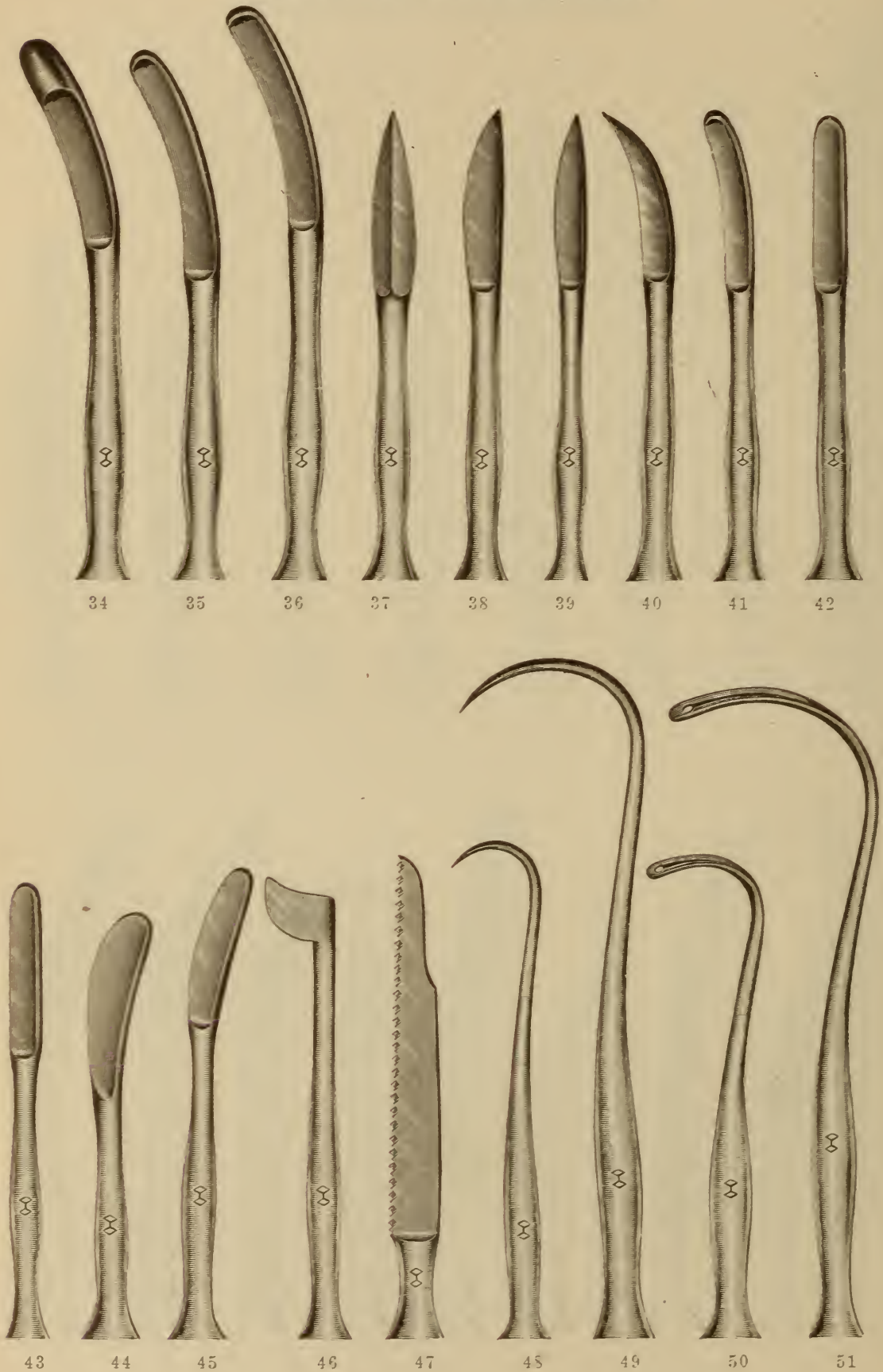


GENERAL OPERATING



Illustrations shown full size

GENERAL OPERATING



Illustrations shown full size



## GENERAL OPERATING

## ENGLISH PATTERN



52

53

54

55

56

57

58

59



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62

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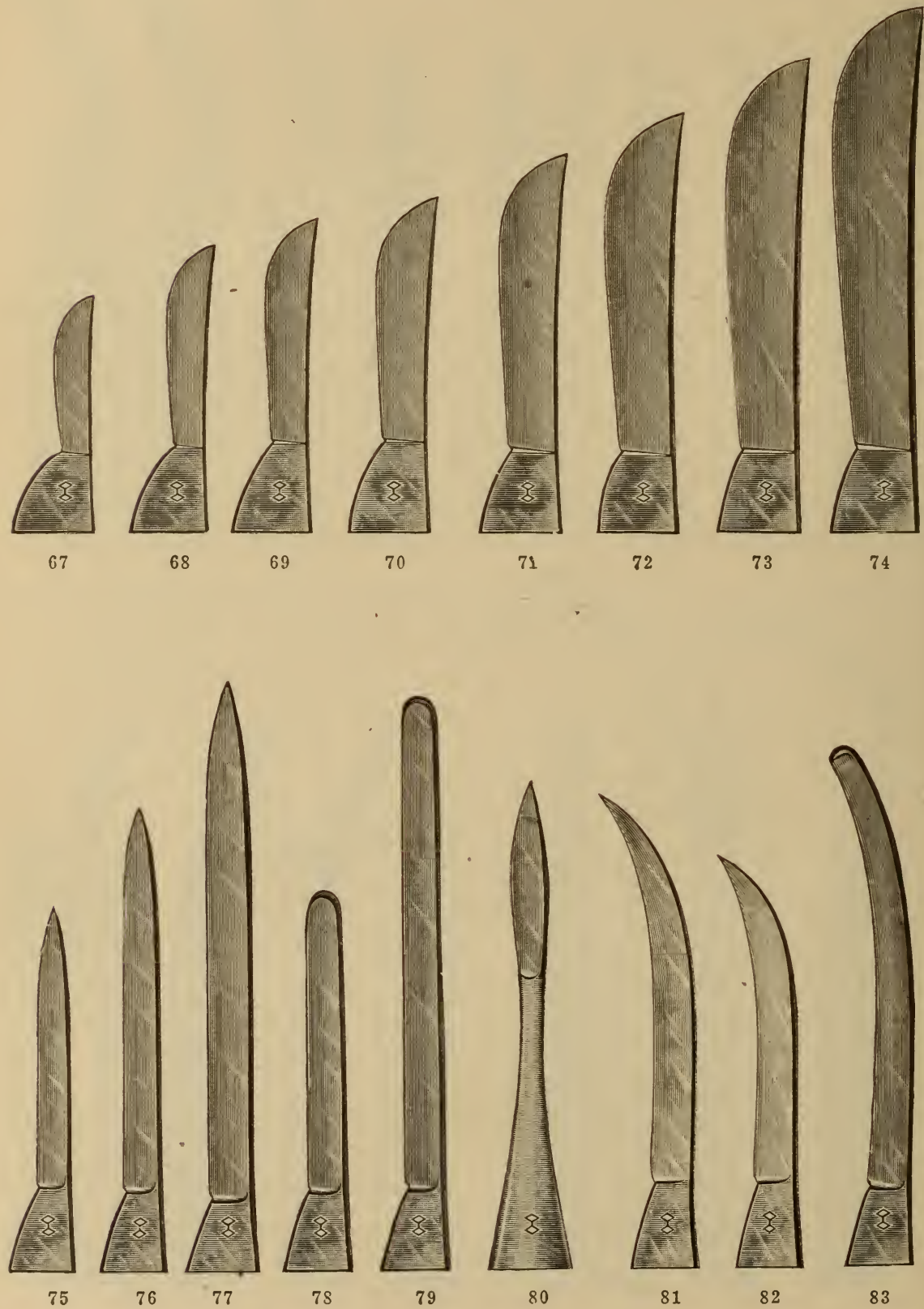
64

65

66

Illustrations shown full size

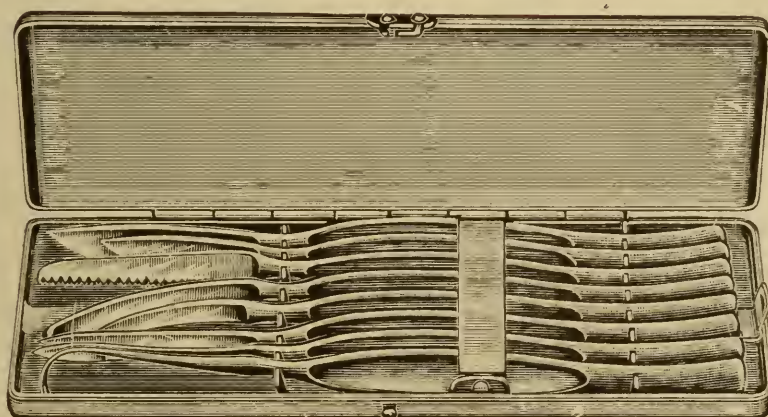
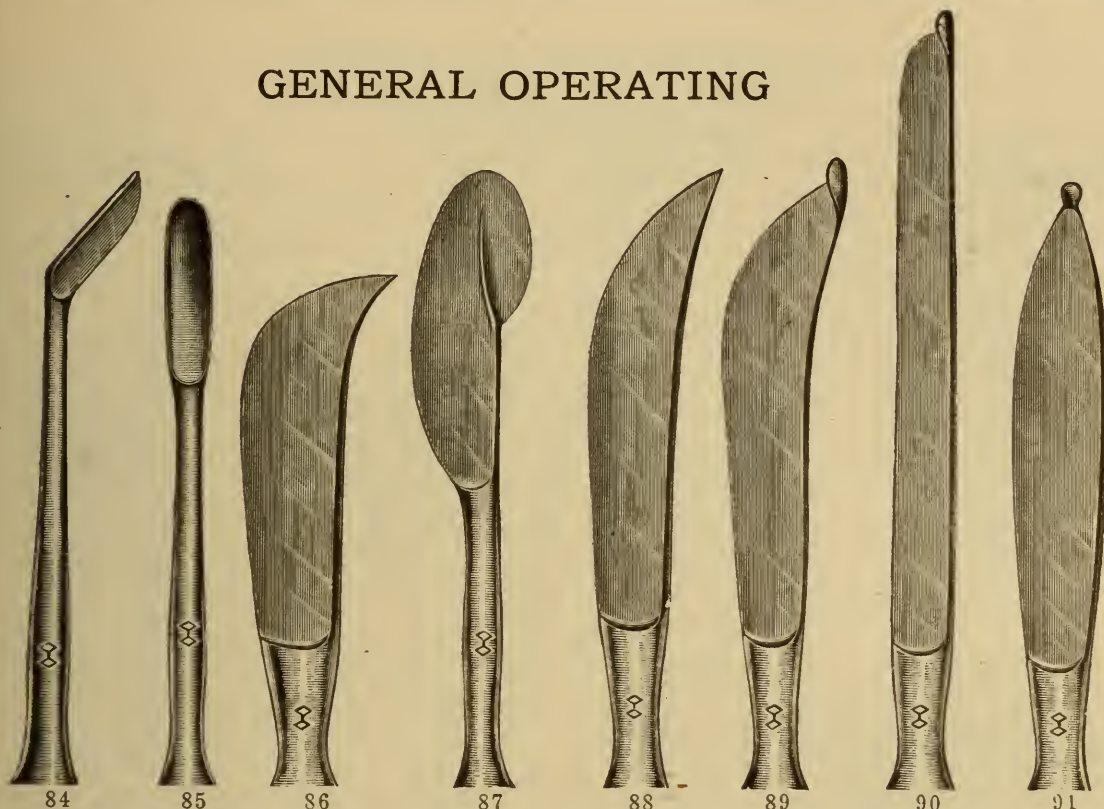
GENERAL OPERATING  
SWEDISH PATTERNS



Illustrations shown full size



# GENERAL OPERATING



B-190

## METAL KNIFE CASES

- \*B- 185 Metal Knife Case, with 6 knives, B-165, complete..\$ 8.50
- B- 190 Metal Knife Case, with 8 knives, B-165, complete.. 10.50
- \*B- 195 Metal Knife Case, for 6 or 8 knives..... 2.50

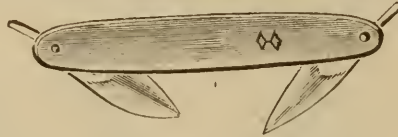
## AMPUTATING KNIVES

- B-1205 Liston's, short blade .....\$ 3.25
- B-1210 Liston's, medium blade ..... 3.50
- B-1215 Liston's, long blade ..... 3.75
- B-1220 Catlin's, double edge, short blade..... 3.75
- B-1225 Catlin's, double edge, medium blade..... 4.00
- B-1230 Catlin's, double edge, long blade..... 4.25
- \*B-1235 Langenbeck's, flap, 4 inch blade..... 2.75

GENERAL OPERATING



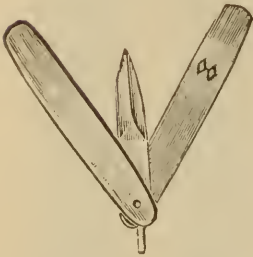
B-219



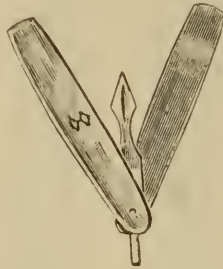
B-221



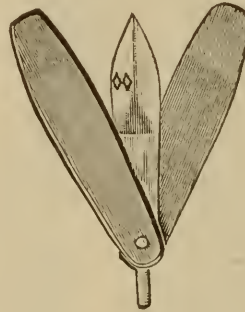
B-218



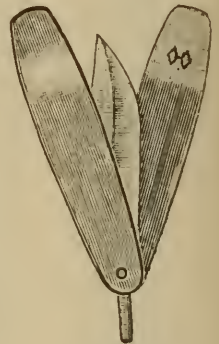
B-222



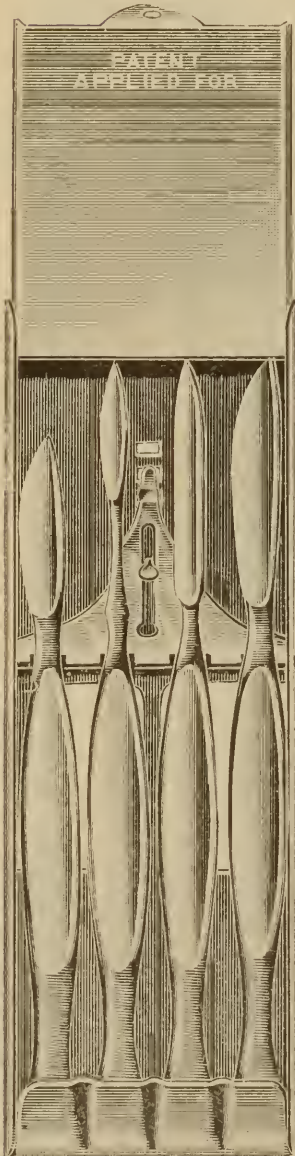
B-223



B-227



B-224



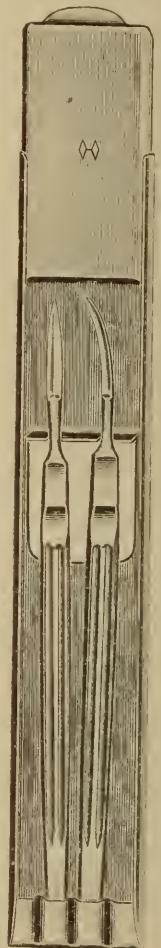
B-215



B-229



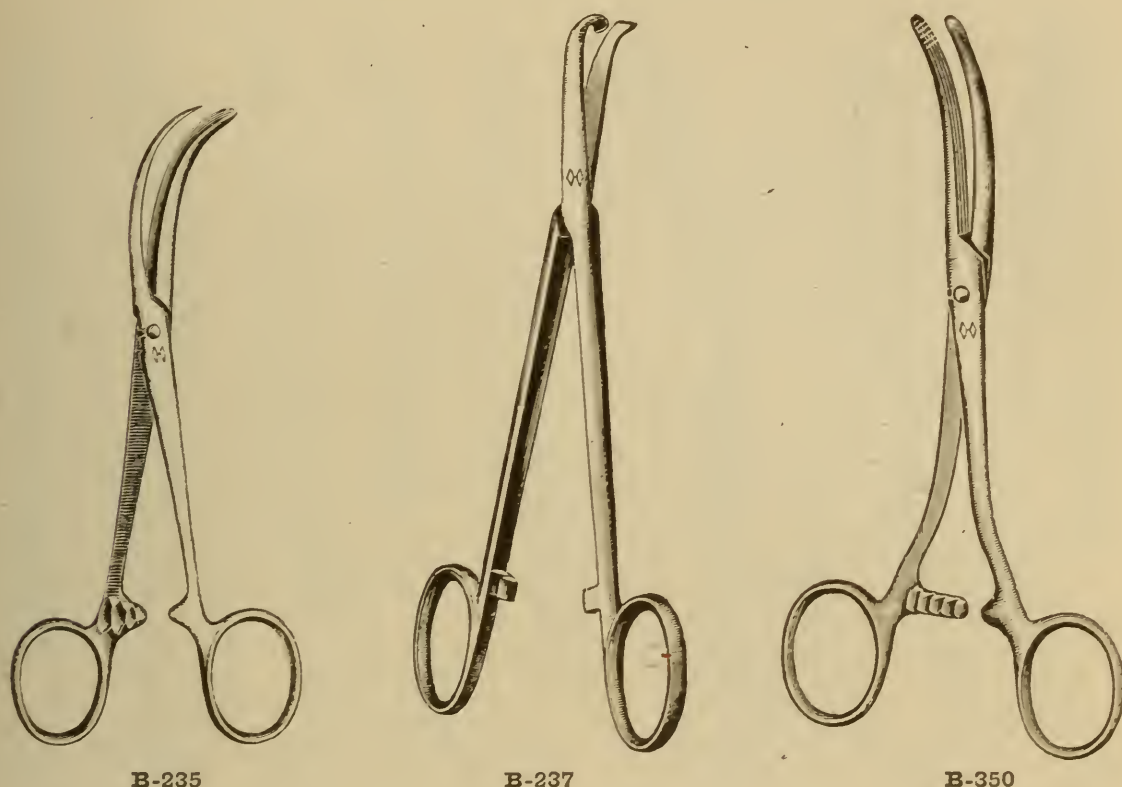
B-228



B-226



## GENERAL OPERATING



B-235

B-237

B-350

## METAL KNIFE HOLDERS

*B-200	Knife Holder, adjustable, with sliding cover, for 1 knife.....	\$0.75
*B-205	Knife Holder, adjustable, with sliding cover, for 2 knives.....	.80
*B-210	Knife Holder, adjustable, with sliding cover, for 3 knives.....	.90
B-215	Knife Holder, adjustable, with sliding cover, for 4 knives.....	1.00
*B-220	Knife Holder, adjustable, with sliding cover, for 5 knives.....	1.15
*B-225	Knife Holder, adjustable, with sliding cover, for 6 knives.....	1.25

The rack of this holder is adjustable and can be made to fit almost any style of knife.

## ABSCESS KNIVES AND LANCETS

B-229	Abscess Knife, reversible, pencil metal case .....	\$1.50
B-228	Abscess Knife, reversible, double edge, pencil metal case.....	1.50
B-226	Abscess Knife, set of two, 1 straight double edge and 1 sharp curved, in metal knife holder .....	3.00
B-227	Abscess Lancet, folding metal handle.....	.75
B-224	Abscess Lancet, folding metal handle.....	.75

## VACCINATING LANCETS AND COMBS

B-223	Vaccinating Lancet, spear pointed, metal handle.....	\$0.60
B-222	Vaccinating Lancet, broad pointed, metal handle.....	.60
B-221	Vaccinating Lancet, double, metal handle.....	1.10
B-219	Vaccinating Lancet and Comb, metal handle.....	.96
B-218	Vaccinating Comb, or Scratcher .....	.25

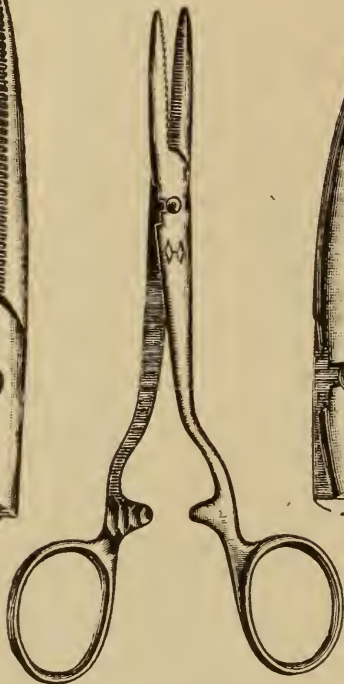
## HAEMOSTATIC FORCEPS

B-235	Allis' Acupressure, curved .....	\$1.50
*B-236	Barrett's, 6¼ inch, mortise joint.....	2.00
B-237	Blunk's, 5¾ inch, medium jaws, full curved, with catch.....	3.75
*B-238	Blunk's, 6 inch, slightly curved jaws, with catch.....	4.00
*B-239	Blunk's, 8¼ inch, heavy, full curved jaws, no catch.....	4.75
*B-239A	Blunk's, 8¼ inch, heavy, slightly curved jaws, no catch.....	4.75
B-350	Carmalt's, 6¼ inch, screw or aseptic joint.....	1.75
*B-349	Carmalt's, 6¼ inch, screw or aseptic joint, straight.....	1.50

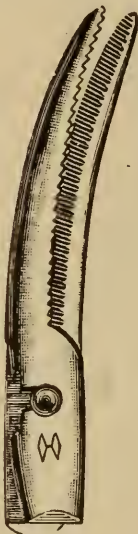
GENERAL OPERATING



B-241



B-241



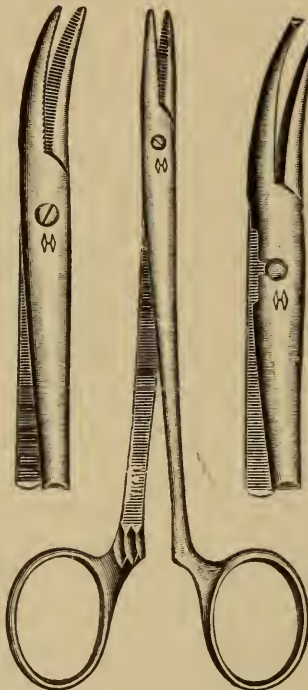
B-242



B-260



B-265



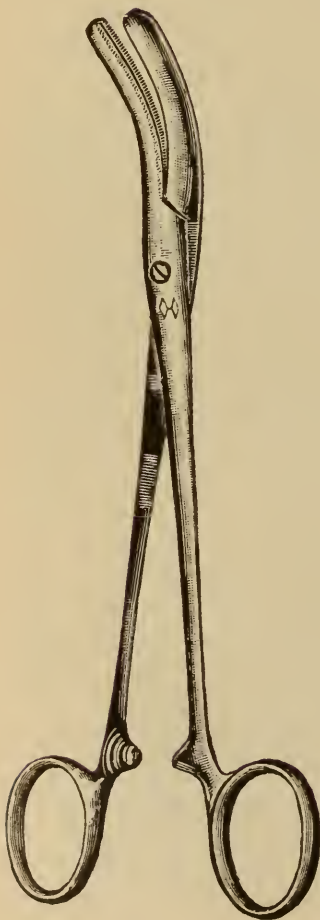
B-260



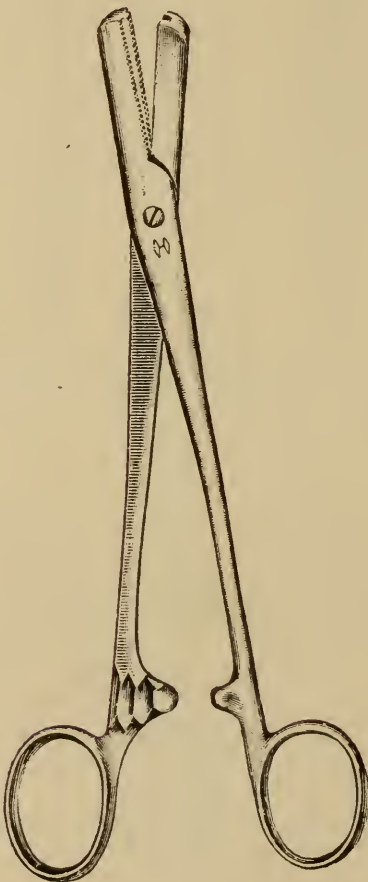
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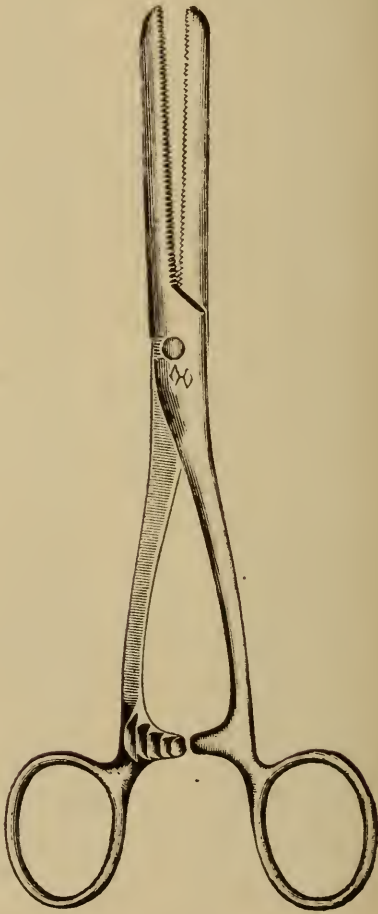
B-270



B-252



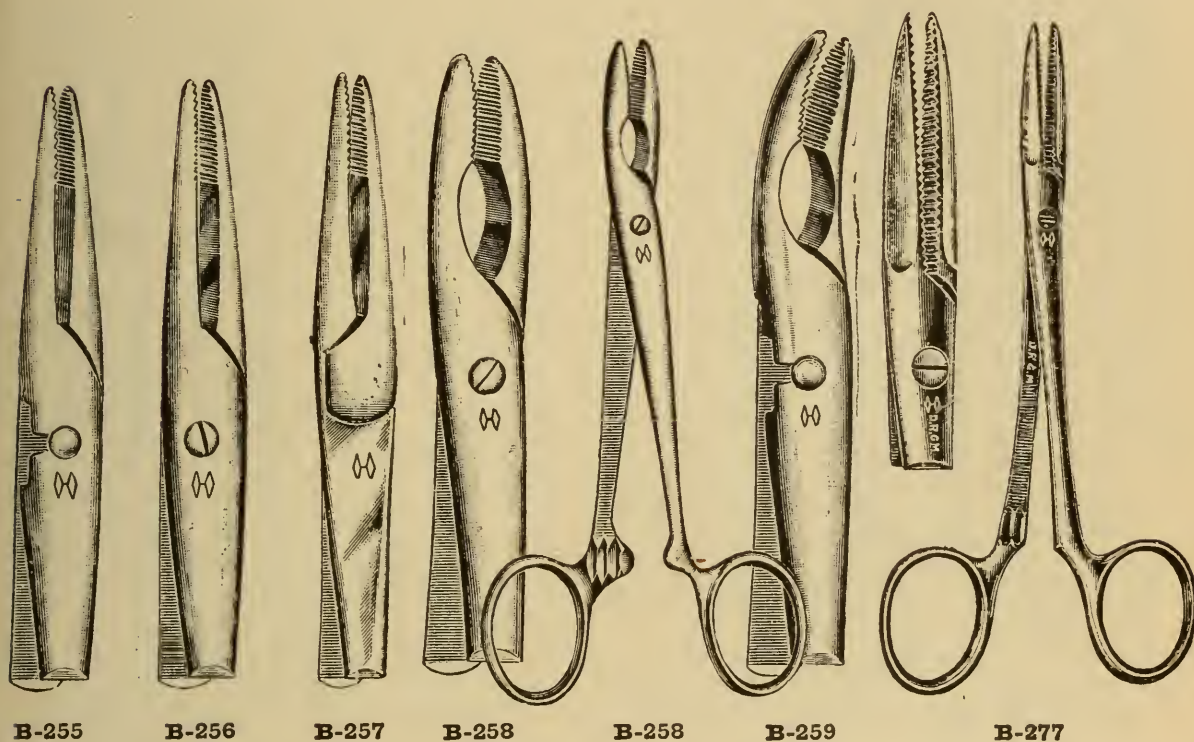
B-250



B-245



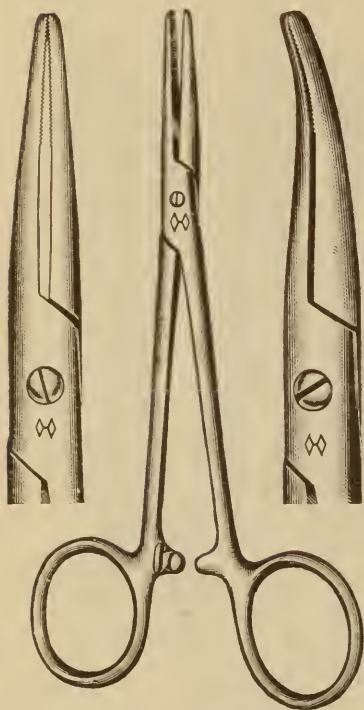
## GENERAL OPERATING



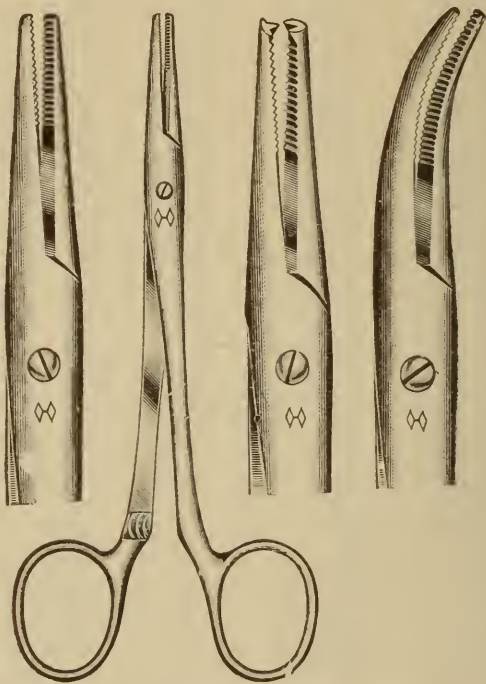
## HAEMOSTATIC FORCEPS

B-277	Douglass-Jones, straight, 5 inch, triangular point, screw joint.....	\$1.25
B-241	Ethridge's, straight, 5 inch, \$1.25; 6 inch, \$1.50; 7 inch, \$1.65; 8 inch ....	1.80
B-242	Ethridge's, curved, 5 inch, \$1.25; 6 inch, \$1.65; 7 inch, \$1.75; 8 inch .....	2.00
B-245	Ferguson's, straight, 4¾ inch, \$1.20; 5½ inch, \$1.30; 6½ inch, \$1.50; 7½ inch	1.75
B-250	Ferguson's, straight, angiotriptic, 6½ inch, \$2.25; 7¾ inch, .....	2.50
B-252	Ferguson's, curved, angiotriptic, 6¼ inch, \$2.25; 7½ inch .....	2.50
B-255	Halstead's, Johns Hopkins' pattern, 5½ inch, aseptic joint.....	1.25
B-256	Halstead's, Johns Hopkins' pattern, 5½ inch, screw joint.....	1.25
B-257	Halstead's, Johns Hopkins' pattern, 5½ inch, Collin's joint.....	1.25
B-258	Halstead's, straight, 5½ inch, aseptic or screw joint.....	1.00
B-259	Halstead's, curved, 5½ inch, aseptic or screw joint.....	1.25
B-260	Halstead's, mosquito, straight, 4¾ inch, screw joint only.....	1.25
B-265	Halstead's, mosquito, curved, 4¾ inch, screw joint only.....	1.25
B-270	Halstead-Kelly's, straight, mosquito, 4¾ inch, mouse tooth, screw joint only	1.25
B-271	Halstead-Kelly's, curved, mosquito, 4¾ inch, mouse tooth, screw joint only	1.35

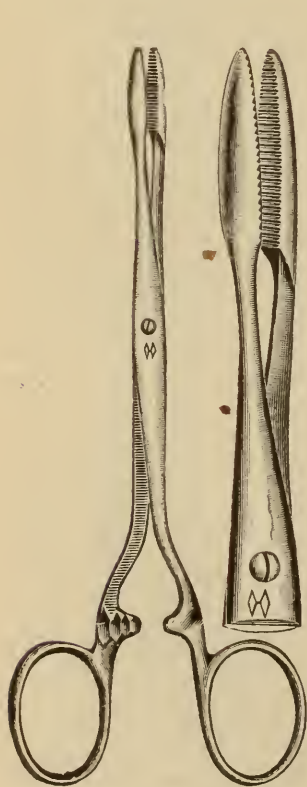
GENERAL OPERATING



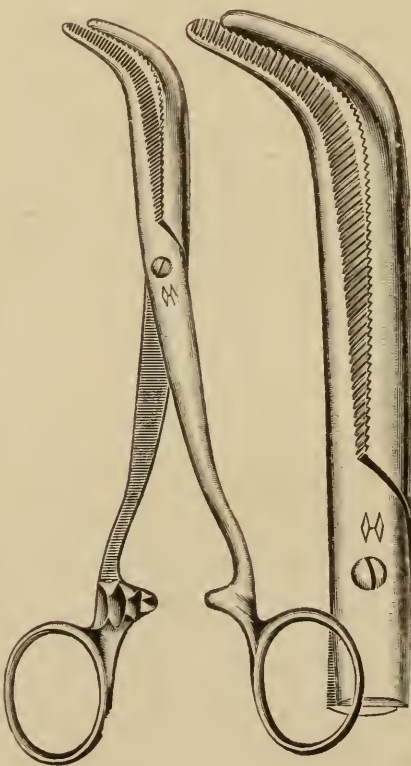
B-280A B-280A B-282A



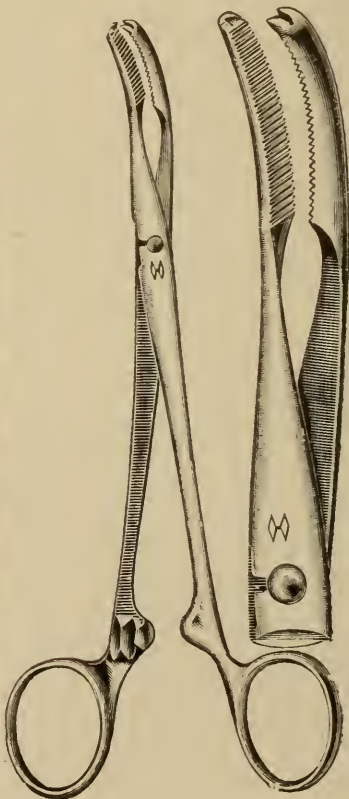
B-280 B-280 B-281 B-282



B-300



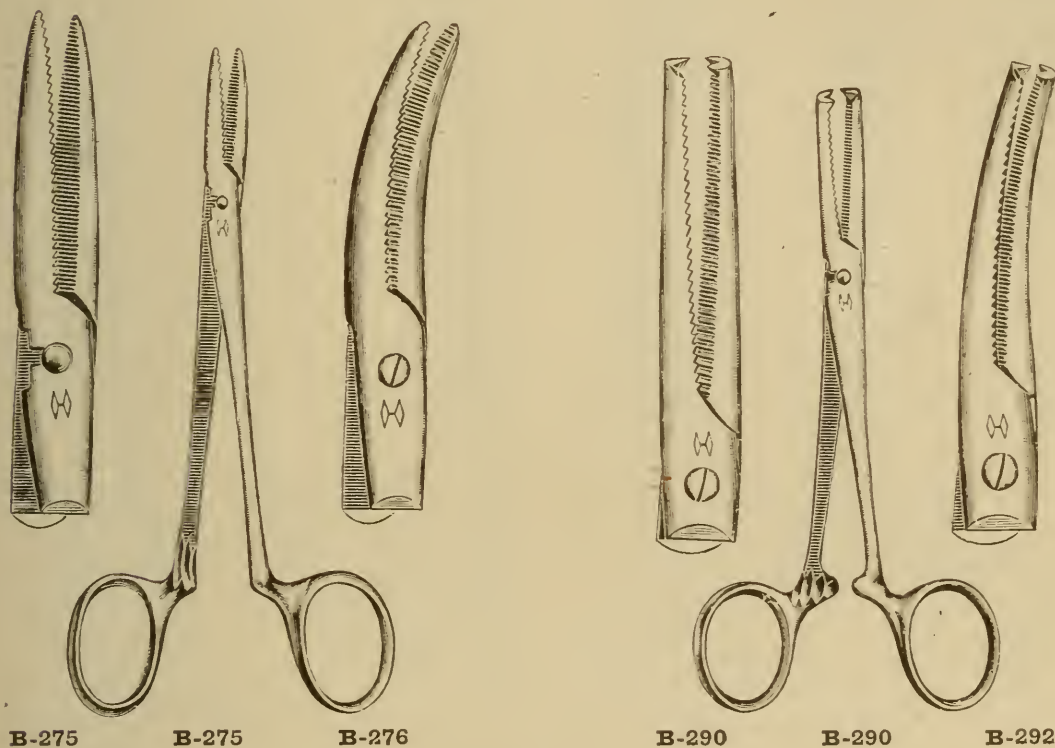
B-297



B-295



## GENERAL OPERATING



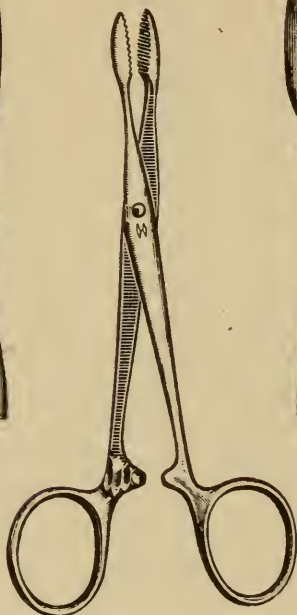
## HAEMOSTATIC FORCEPS

B-275	Jones', straight, 5 inch, aseptic or screw joint.....	\$1.25
B-276	Jones', curved, 5 inch, aseptic or screw joint.....	1.50
*B-278	Jones', straight, 5 inch, Collin joint.....	1.00
*B-278A	Jones', curved, 5 inch, Collin joint.....	1.25
B-280	Kelly's, straight, 5½ inch, fine pointed, aseptic or screw joint.....	1.00
B-280A	Kelly's, straight, 5½ inch, fine pointed, mortise, screw joint, round shanks	1.50
B-282	Kelly's, curved, 5½ inch, fine pointed, aseptic or screw joint.....	1.25
B-282A	Kelly's, curved, 5½ inch, fine pointed, mortise, screw joint, round shanks	1.60
B-281	Kelly's, straight, 5½ inch, mouse tooth, aseptic or screw joint.....	1.35
B-290	Kocher's, straight, 4½, 5 and 5½ inch, aseptic or screw joint.....	1.25
B-292	Kocher's, curved, 4½ and 5 inch, aseptic or screw joint.....	1.35
B-295	Mickulicz's, curved, 6¾ inch, screw joint.....	2.40
B-297	Mixer's, curved, 6 inch, screw joint.....	2.00
B-300	Murphy-Pean's, straight, 6½ inch, very light, screw joint.....	1.50

## GENERAL OPERATING



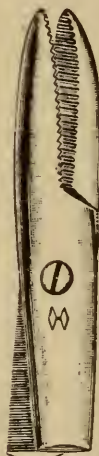
B-310



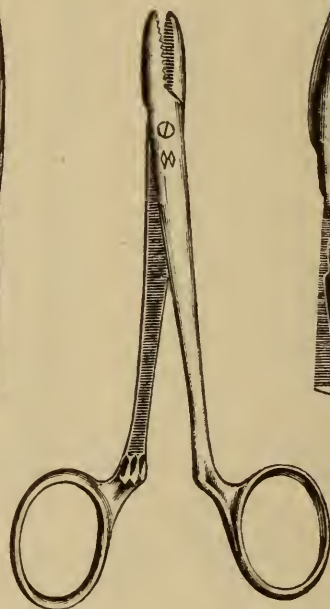
B-310



B-312



B-335



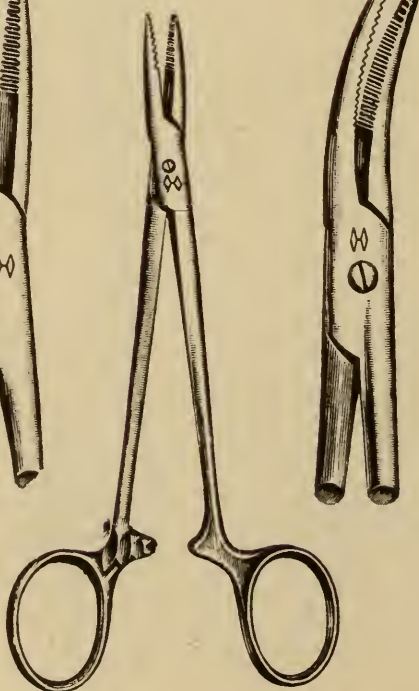
B-335



B-337



B-316



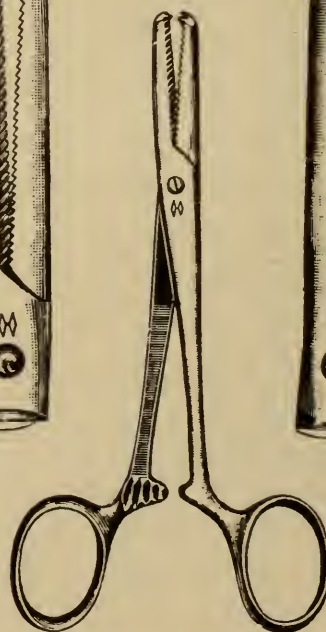
B-317



B-319



B-347



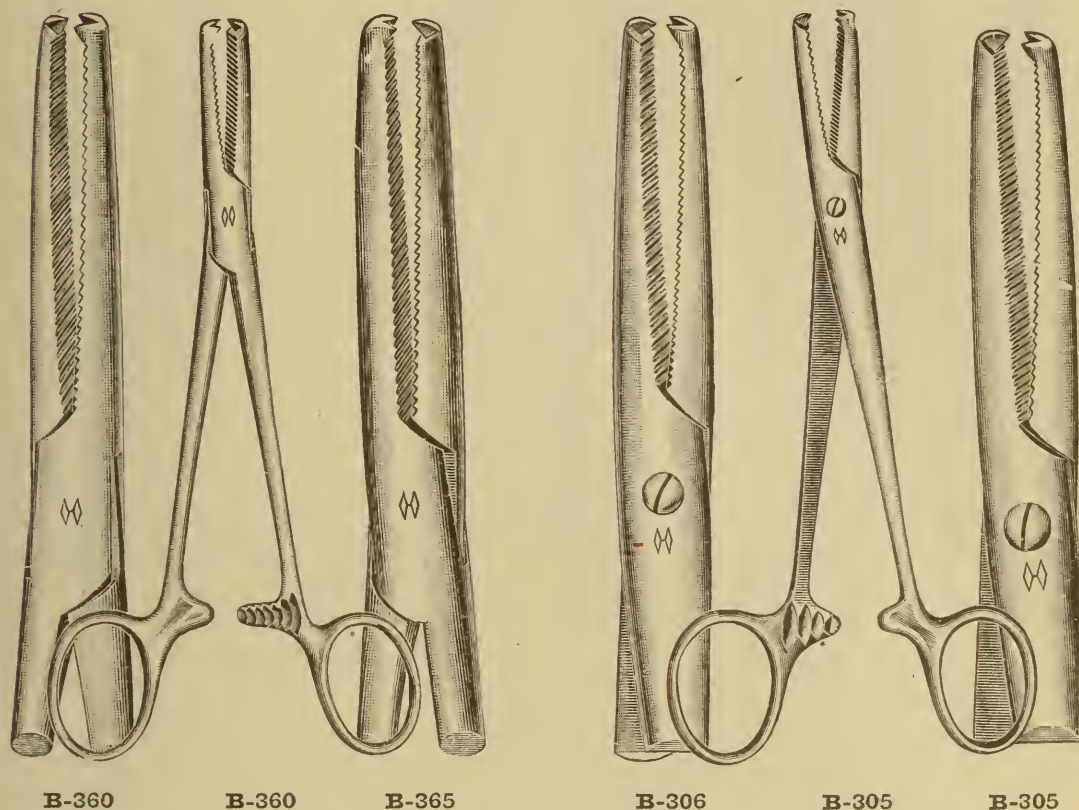
B-347



B-347



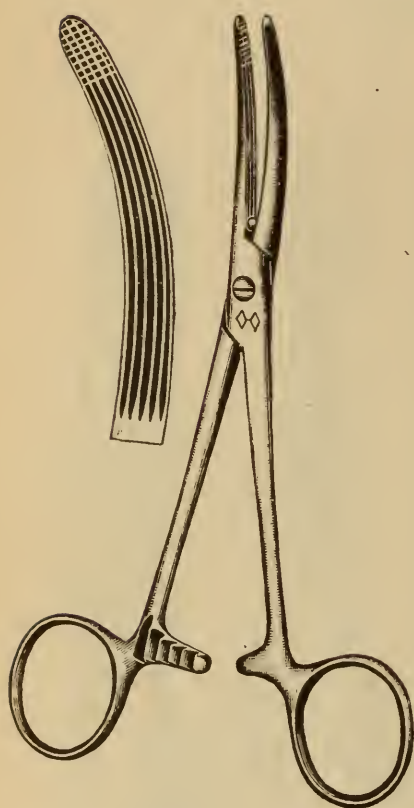
## GENERAL OPERATING



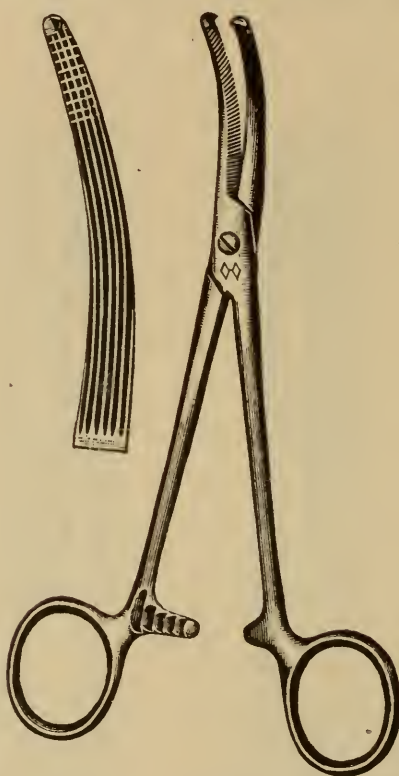
## HAEMOSTATIC FORCEPS

B-306	Ochsner's, straight, 6¼ inch, aseptic or screw joint.....	\$1.75
B-305	Ochsner's, straight, 7¼ inch, aseptic or screw joint.....	2.00
B-360	Ochsner's, straight, 6¼ inch, mortise screw joint .....	2.00
B-365	Ochsner's, straight, 7¼ inch, mortise screw joint .....	2.25
The box joint on this forcep has been replaced by the mortise screw joint, and we list accordingly.		
B-310	Pean's, straight, aseptic or screw joint, 4½ inch, \$1.25; 5 inch, \$1.25; 5½ inch .....	1.25
B-312	Pean's, straight, aseptic or screw joint, with grooves for needle, 4½ inch .....	1.25
*B-315	Pean's, curved, aseptic or screw joint, 4½ inch, 5 inch.....	1.35
B-316	Providence Hospital, straight, 5½ inch, box joint .....	1.65
B-317	Providence Hospital, straight, 5½ inch, mortise screw joint.....	1.50
*B-318	Providence Hospital, curved, 5½ inch, box joint.....	1.75
B-319	Providence Hospital, curved, 5½ inch, mortise screw joint.....	1.50
B-335	Tait's, straight, 4¾ inch, aseptic or screw joint.....	1.25
B-337	Tait's, curved, 4¾ inch, aseptic or screw joint.....	1.35
*B-340	Tait's, angled on flat, 4½ inch, aseptic or screw joint.....	1.50
*B-345	Thornton's, curved on flat, 5 inch.....	1.25
*B-346	Thornton's, straight, 5 inch .....	1.00
B-347	VanHook's, straight, 5¼ inch, aseptic or screw joint.....	1.50
*B-5251	Wyeth's .....	1.50

## GENERAL OPERATING



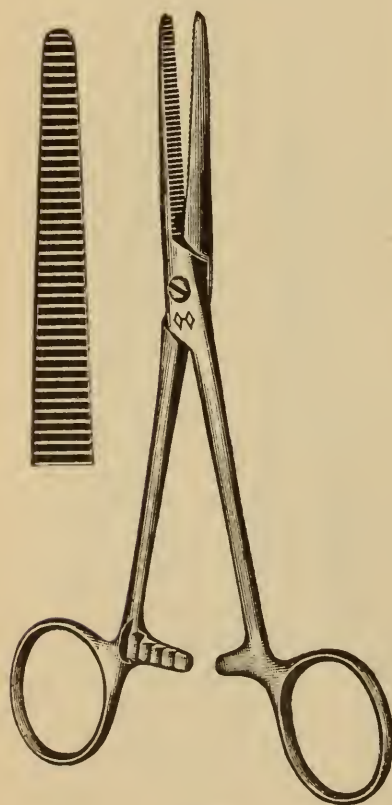
B-355



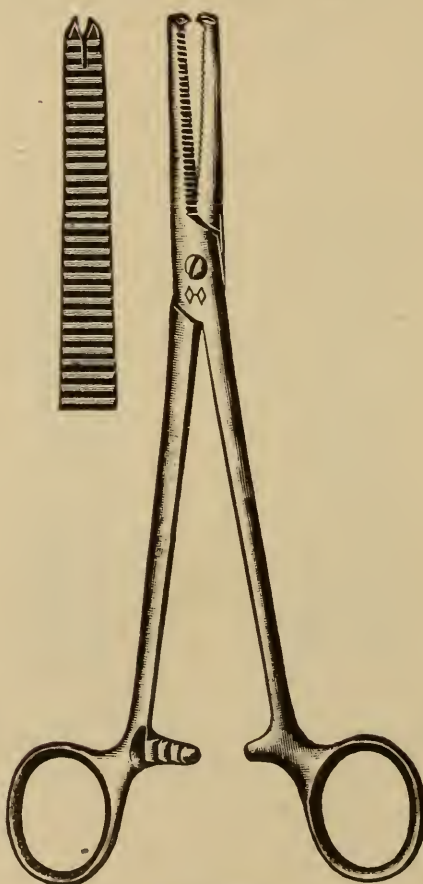
B-357



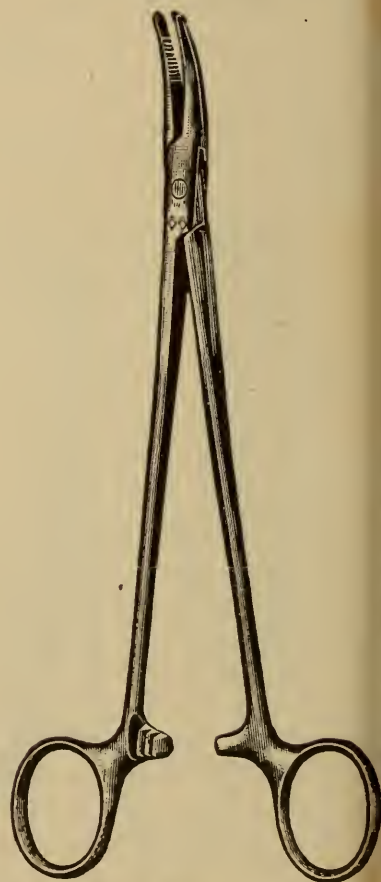
B-370



B-367



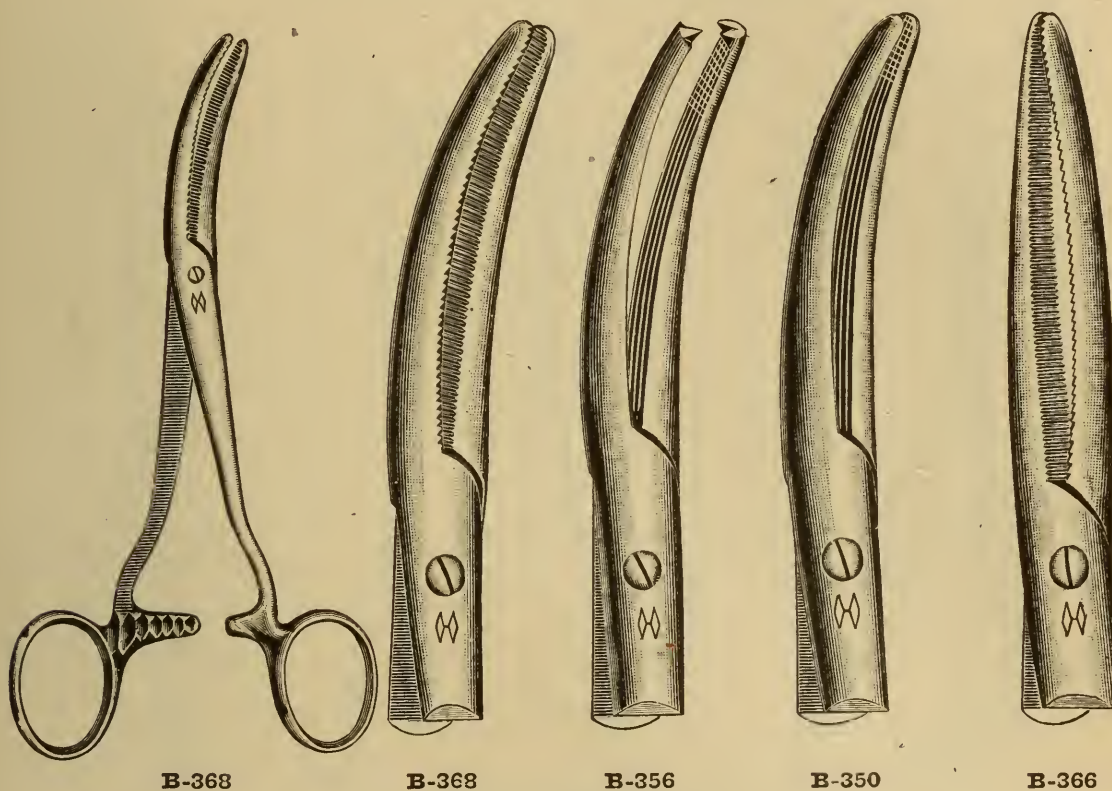
B-371-372



B-374



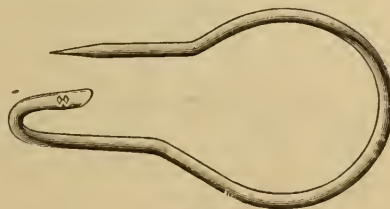
## GENERAL OPERATING



## HAEMOSTATIC FORCEPS

*B-349	Carmalt's, straight, 6½ inch, screw joint.....	\$1.50
B-350	Carmalt's, curved, 6¼ inch, screw joint .....	1.75
B-356	Carmalt's, curved, 6¼ inch, mouse tooth, screw joint.....	1.75
B-368	Pean's (or Kelly-Pean's), curved, 6¼ inch, long jaw, screw joint.....	1.75
B-366	Pean's, straight, 6¼ inch, long jaw, screw joint.....	1.50
B-355	Rochester-Carmalt's, curved, 6¼ inch, mortise screw joint.....	1.75
B-357	Rochester-Carmalt's, curved, 6¼ inch, mouse tooth, mortise screw joint.	1.85
B-371	Rochester-Ochsner, straight, 6¼ inch, mouse tooth, mortise screw joint..	2.00
B-372	Rochester-Ochsner, straight, 7¼ inch, mouse tooth, mortise screw joint..	2.25
B-367	Rochester-Pean's, straight, 6¼ inch, mortise screw joint.....	1.65
B-370	Rochester-Pean's, curved, 6¼ inch, mortise screw joint.....	1.85
B-374	Schmidt's, curved, 7 inch, fine pointed jaws, mortise screw joint.....	2.00

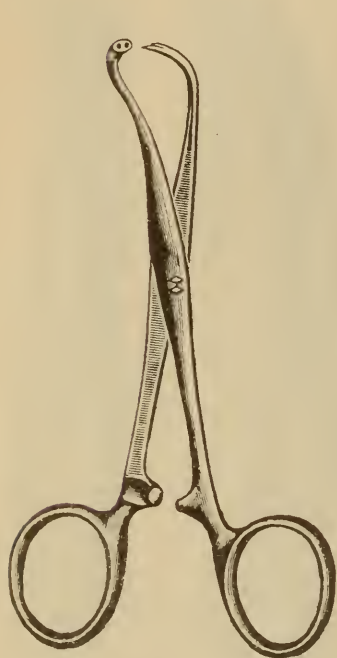
## SPECIAL PRICES IN LOTS OF ONE DOZEN OR MORE



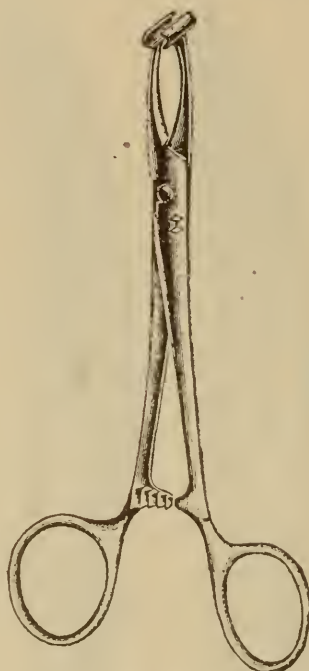
B-4471

B-4471	Bunt's, forcep ring or holder, improved, each, 10c; per dozen.....	\$1.00
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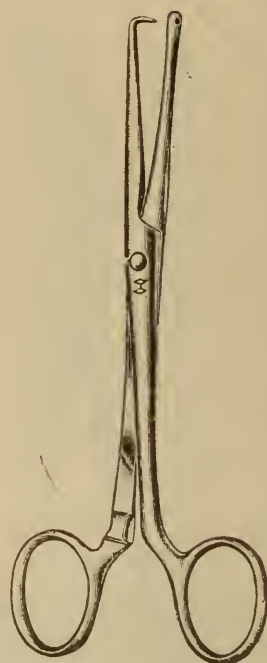
## GENERAL OPERATING



B-410



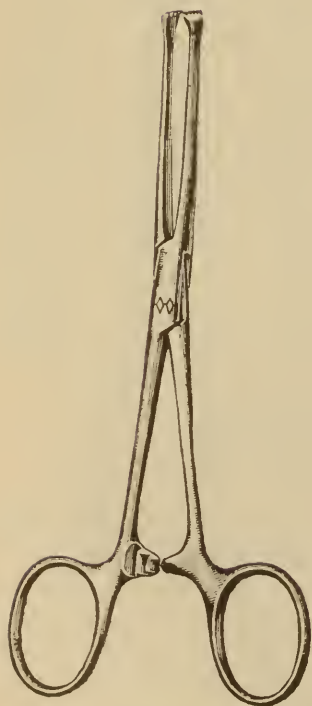
B-405



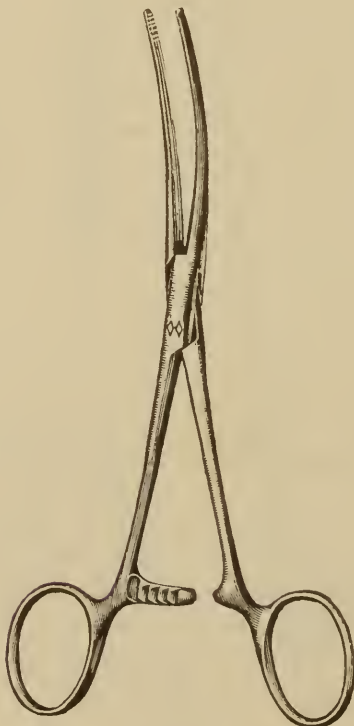
B-400



B-412



B-375-380



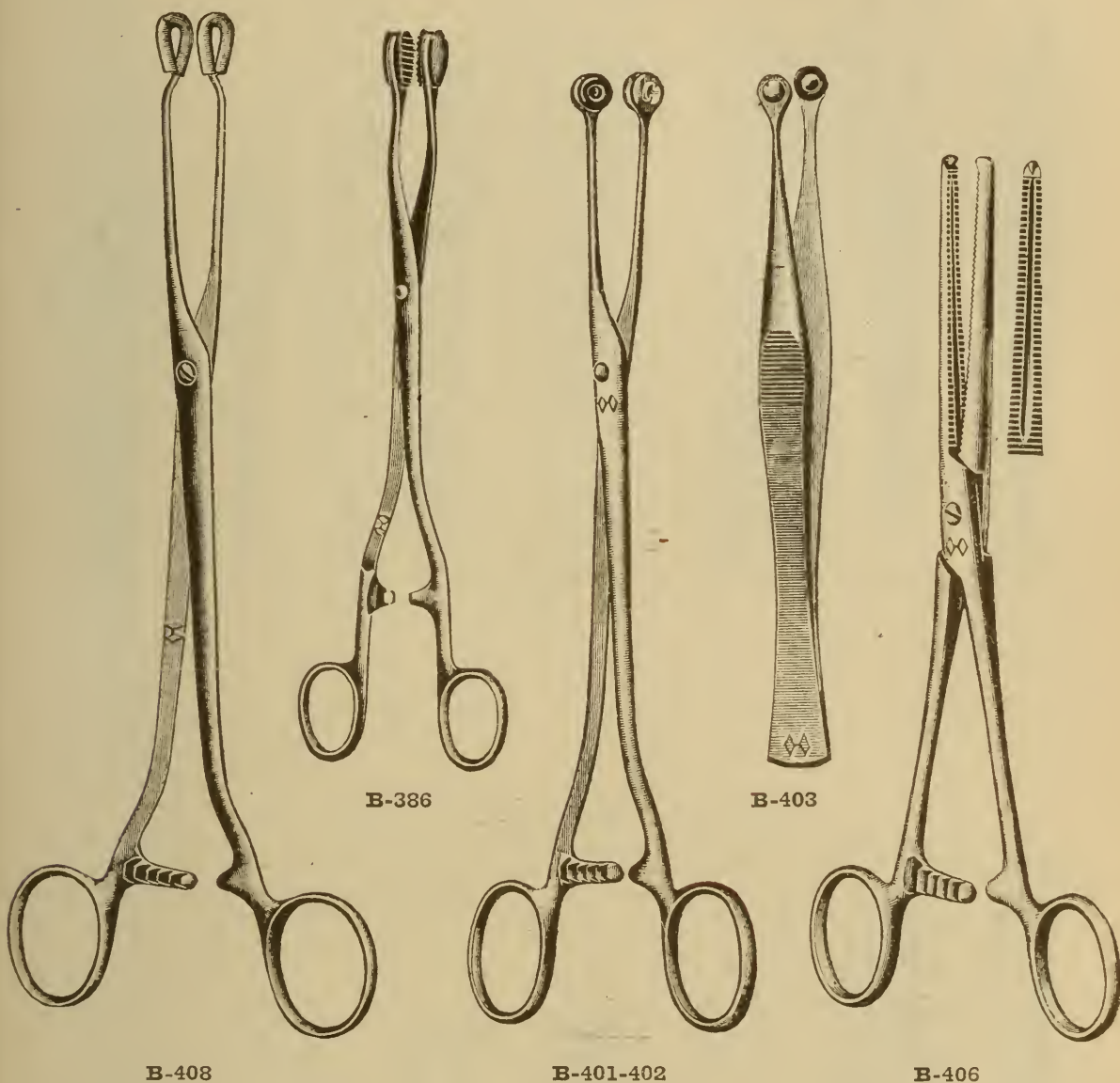
B-384



B-378



## GENERAL OPERATING



## INTESTINAL AND MARGINAL FORCEPS

B-375	Allis', end teeth, aseptic or screw joint.....	\$1.50
B-380	Allis', end teeth, box joint .....	2.00
B-400	Allis', tack, improved model.....	2.00
*B-382	Bainbridge's, straight, box joint .....	2.50
B-384	Bainbridge's, curved, box joint .....	2.75
B-401	Barrett's, 6¼ inch, rubber jaws .....	3.50
B-402	Barrett's, 8¼ inch, rubber jaws .....	4.25
B-403	Barrett-Murphy's, 6 inch, rubber jaws.....	2.00
B-386	Child's, 9¼ inch, rubber jaws .....	3.25
B-378	Jackson's, with flat teeth, mortise screw joint.....	1.75
B-405	Pratt-Smith's, T shape .....	1.85
B-406	Rosenthal's, hernial sac, 6¾ inch, \$2.50; 7½ inch.....	3.00
B-407	Schoenberg's, 8¾ inch, scissor handles .....	3.50
*B-408	Schoenberg's, 7¾ inch, spring .....	2.50
B-410	Smith's, marginal tenaculum .....	1.75
B-412	Young's, 7 inch, spring, rubber jaws.....	3.00

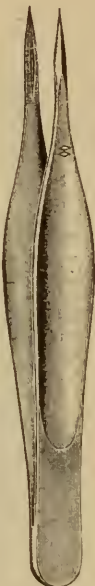
GENERAL OPERATING



B-460



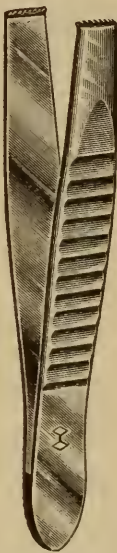
B-415



B-465



B-420



B-435



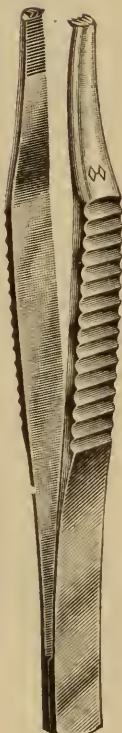
B-458



B-457



B-443



B-444



B-436



B-438



B-441



B-442



B-450



## GENERAL OPERATING



B-428



B-446



B-448

FULL  
SIZE

B-438



B-416

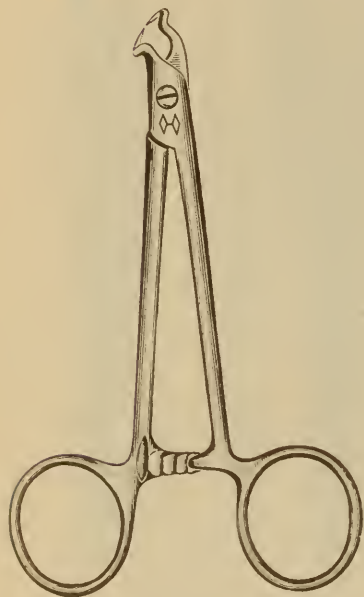
## DRESSING AND TISSUE FORCEPS

B-415	Dressing Forceps, 4½ in., \$0.55; 5 in., \$0.60; 5½ in., \$0.65; 6 in., \$0.70; 7 in., \$1.00; 8 in., \$1.10; 9 in., \$1.25; 10 in., \$1.50; 11 in., \$1.65; 12 in.....	\$1.80
B-416	Dressing Forceps, Kelly's, 5 in.....	.90
B-420	Tissue Forceps, 1 and 2 teeth, 4½ in., \$0.65; 5 in., \$0.70; 5½ in., \$0.75; 6 in. ....	.85
B-425	Tissue Forceps, 2 and 3 teeth, 4½ in., \$0.80; 5 in., \$0.90; 5½ in., \$1.00; 6 in. ....	1.10
B-426	Tissue Forceps, 3 and 4 teeth, 4½ in., \$1.00; 5 in., \$1.00; 5½ in., \$1.10; 6 in. ....	1.20
B-430	Tissue Forceps, 4 and 5 teeth, 4½ in., \$1.10; 5 in., \$1.20; 5½ in., \$1.30; 6 in. ....	1.30
B-435	Tissue Forceps, Collin's, 8 and 9 teeth, 3½ in.....	1.00
B-428	Tissue Forceps, English pattern, extra heavy, 7 in.....	1.75
B-436	Tissue Forceps, Farka's, 4 and 5 teeth, 5 in.....	1.25
B-438	Tissue Forceps, Kelly's, 5 in., 1 and 2 teeth, \$1.00; 2 and 3 teeth, \$1.10; 3 and 4 teeth .....	1.25
B-444	Tissue Forceps, London pattern .....	1.25
B-446	Tissue Forceps, Mayo's, 6 in.....	1.50
B-448	Tissue Forceps, Otto's, 5¼ in., 4 and 5 teeth.....	1.00
B-439	Tissue Forceps, Rochester pattern .....	1.20
B-441	Tissue Forceps, Roubaix's, straight, 5 in., for suture work.....	1.50
B-442	Tissue Forceps, Roubaix's, angular, 5 in., for suture work.....	1.60
B-443	Tissue Forceps, Russian, 6 in.....	1.50
B-450	Tissue Forceps, Stille's, 4 and 5 teeth, 5 in.....	1.00

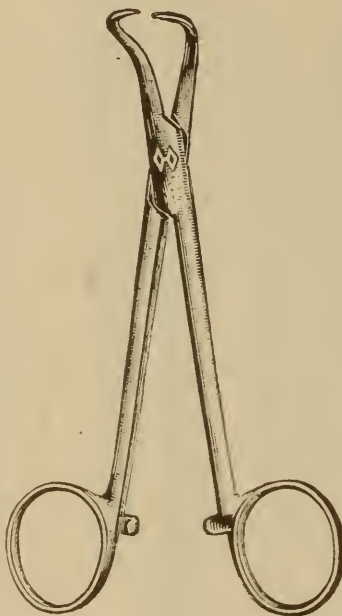
## SPLINTER FORCEPS

B-457	Carmalt's, straight, 4½ in.....	.75
B-458	Carmalt's, curved, 4½ in.....	.85
B-465	Feilchenfeld's, 4¾ in.....	.85
B-470	Little's, 4 in.....	.75
B-460	Plain, 2½ in., \$0.40; 3 in., \$0.45; 3½ in., \$0.45; 4 in.....	.50

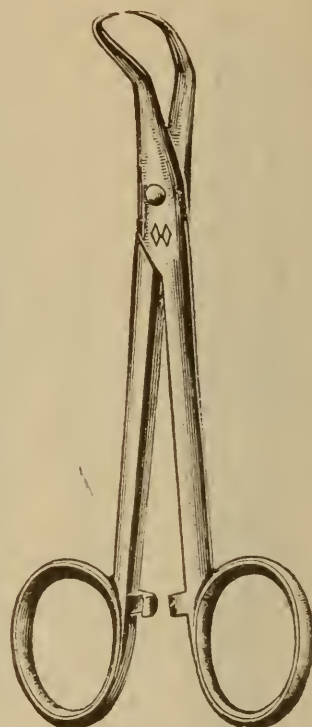
## GENERAL OPERATING



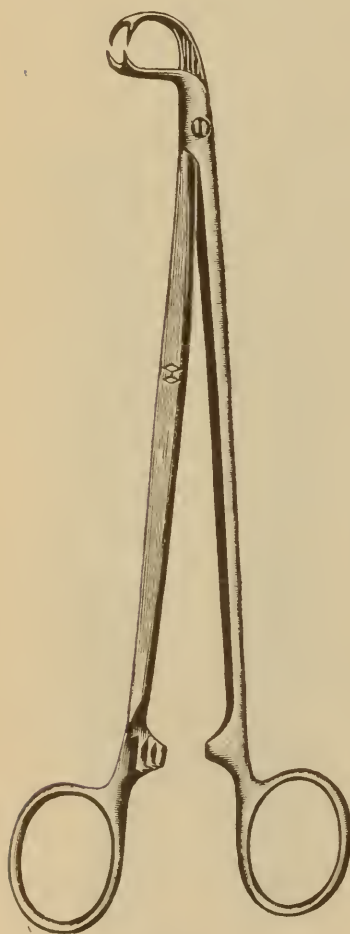
B-764



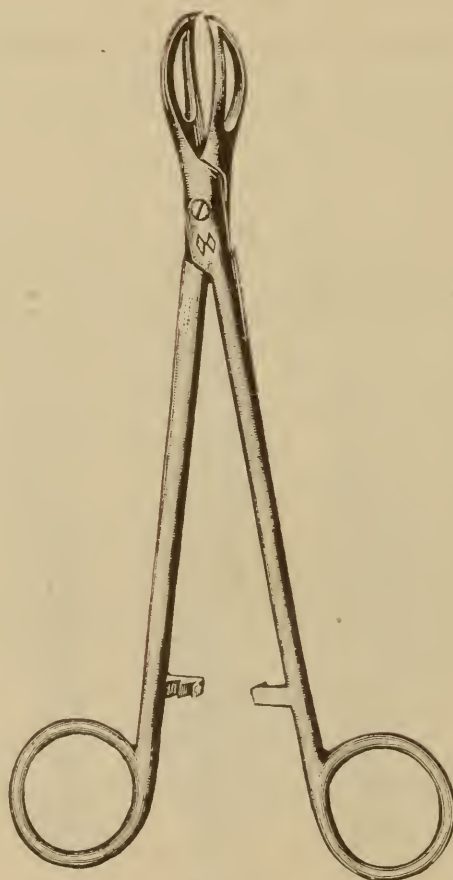
B-763



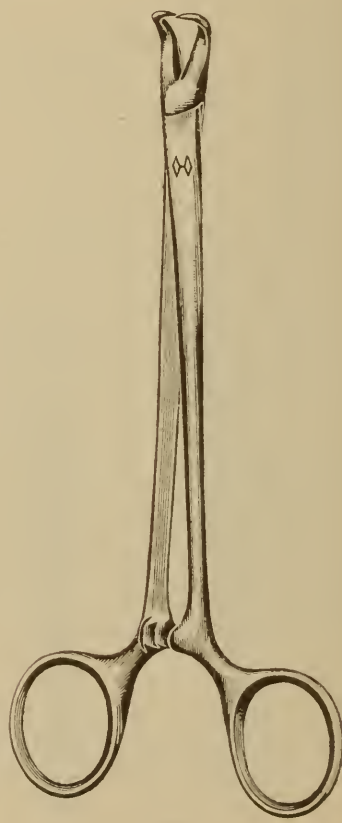
B-766



B-773



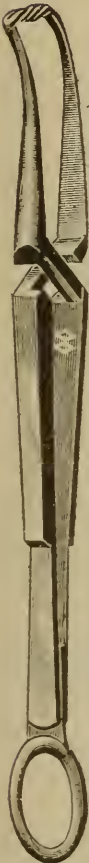
B-771



B-772



GENERAL OPERATING



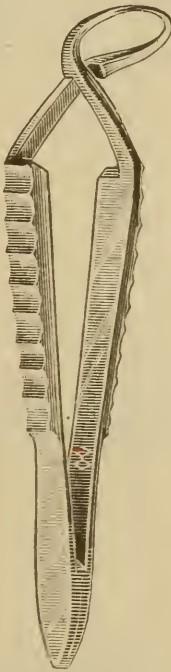
B-768



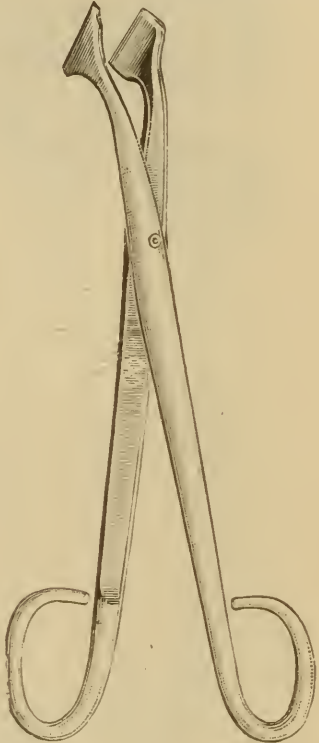
B-418



B-417



B-767



B-777

FORCEPS

Iodine Sponge Forceps

B-417	Loth's, plain, aluminum jaws.....	\$1.75
B-418	Loth's, cross action, aluminum jaws.....	2.50
(For making iodine applications. Iodine has no deteriorating effect on aluminum.)		

Sterilizer Forceps

B-775	Van der Poel's, long .....	3.75
B-777	Van der Poel's, short .....	2.50
B-779	Three Prong, 8 in. ....	2.75
B-779A	Three Prong, 12 in. ....	3.00

TOWEL FORCEPS

B-765	Backhaus', short, 3 inch.....	1.00
B-766	Backhaus', long, 5¼ inch, screw lock .....	1.50
B-763	Backhaus', long, 5¼ inch, with mortise screw joint.....	2.00
B-768	Doyen's, cross action.....	2.50
B-764	Haslam-Backhaus', with jaws at lateral angle.....	1.75
B-767	Jones', self-retaining .....	1.50
B-771	Lane's .....	2.75
B-772	Moynihan's, single prong.....	2.50
B-773	Moynihan's, double prong .....	3.00

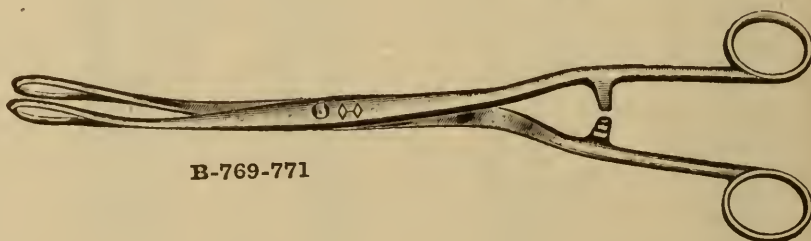
Vein Stripping Forceps

B-770	Mayo's (Dr. C. H.) dissecting.....	2.50
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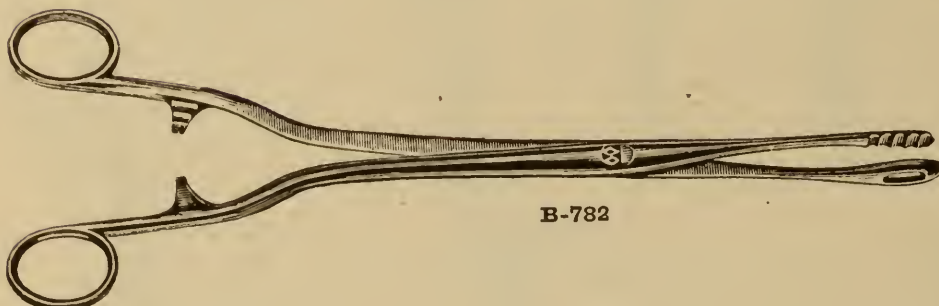
## GENERAL OPERATING



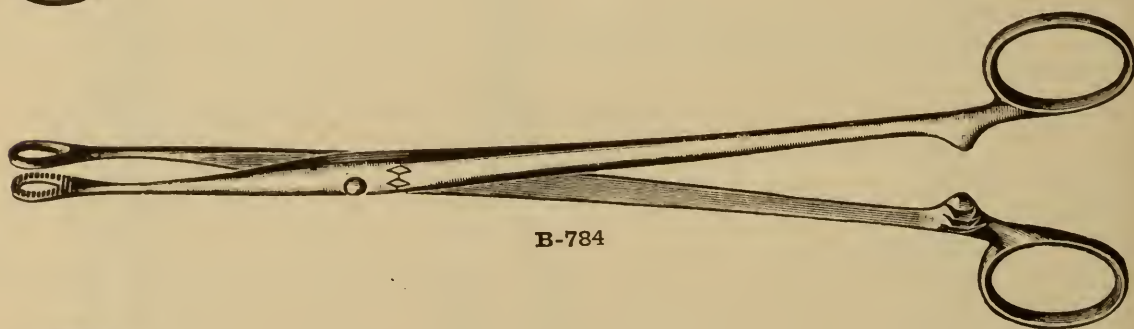
B-772



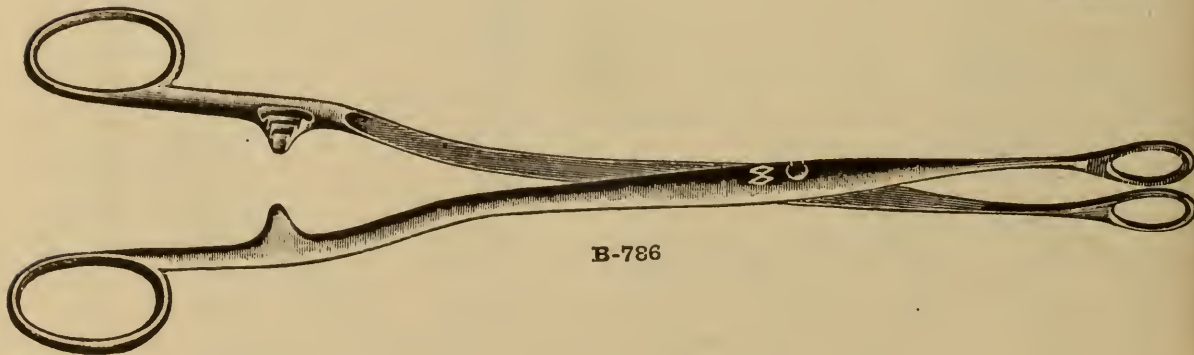
B-769-771



B-782



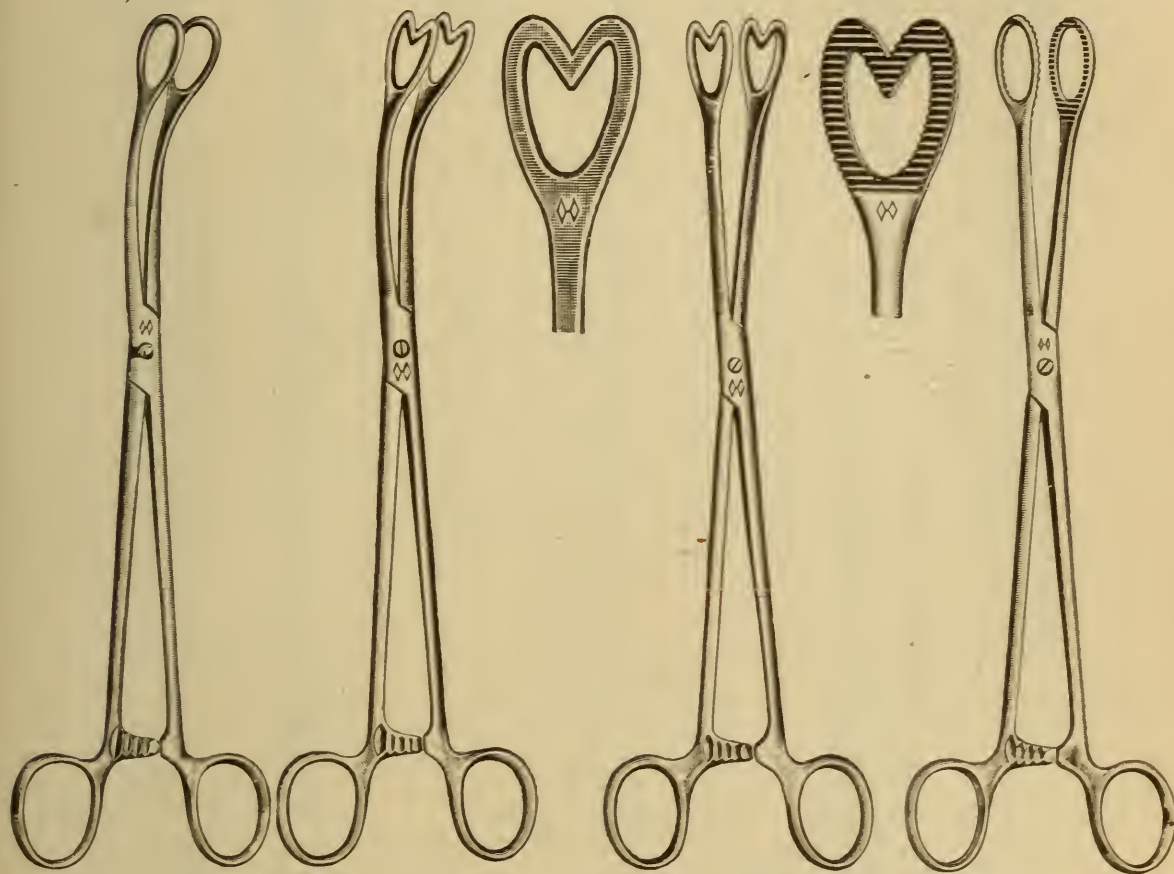
B-784



B-786



## GENERAL OPERATING



B-776-781

B-788-788A

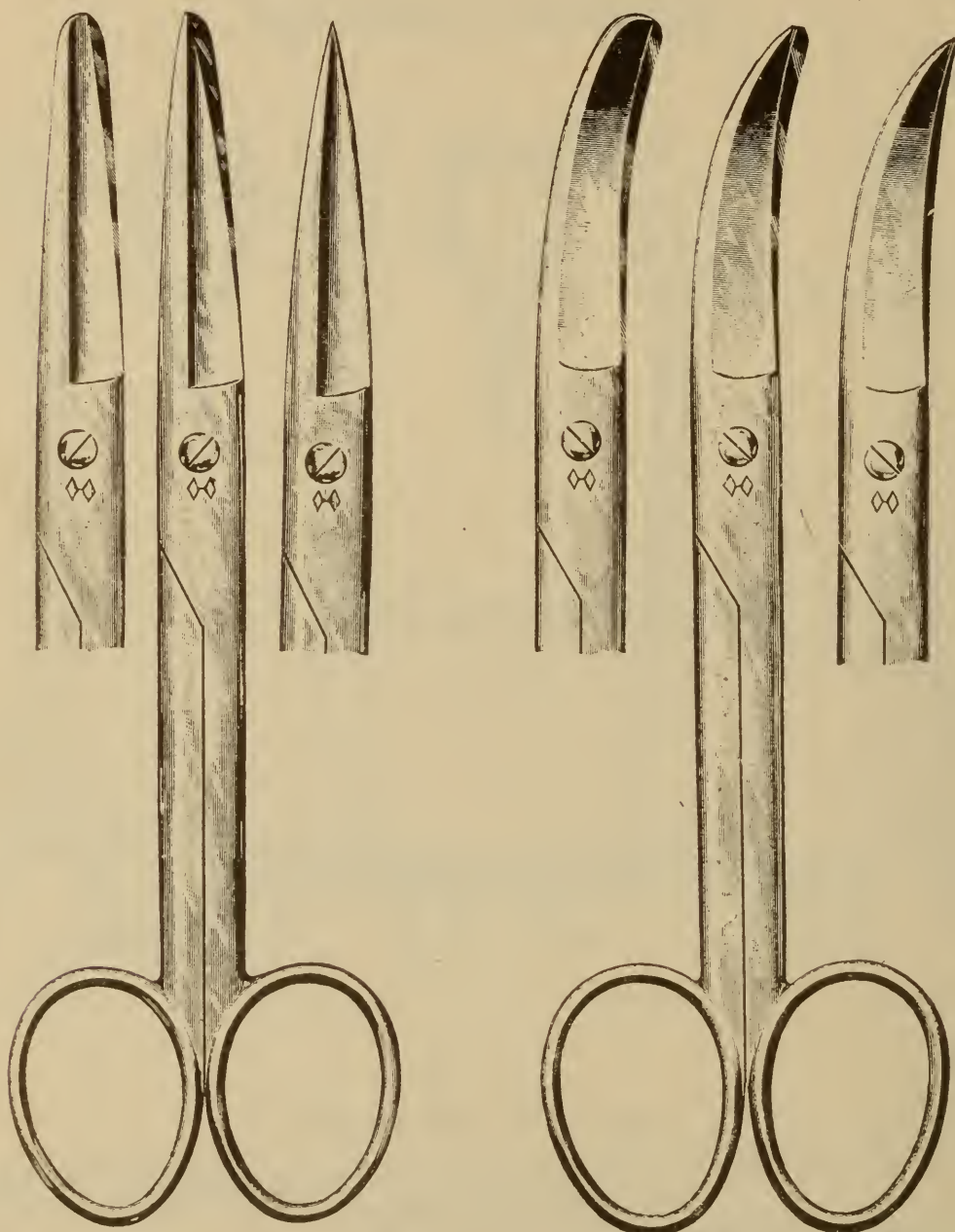
B-787-787A

B-773-774

## SPONGE HOLDING FORCEPS

B-769	Bellevue, plain blade .....	\$2.00
B-771	Bellevue, serrated blade .....	2.00
B-772	De Lee's, sponge holding and dressing, heavy.....	3.00
B-787	Douglass', straight, 9½ inch, plain jaws .....	1.75
B-787A	Douglass', straight, 9½ inch, serrated jaws .....	1.75
B-788	Douglass', curved on flat, 9 inch, plain jaws .....	2.00
B-788A	Douglass', curved on flat, 9 inch, serrated jaws .....	2.00
B-773	Foster's, Haslam model, straight, 7 inch, plain jaw .....	1.65
B-773A	Foster's, Haslam model, straight, 7 inch, serrated jaw .....	1.65
B-774	Foster's, Haslam model, straight, 9½ inch, plain jaw .....	1.75
B-774A	Foster's, Haslam model, straight, 9½ inch, serrated jaw .....	1.75
B-776	Foster's, Haslam model, curved, 7 inch, plain jaw .....	2.00
B-776A	Foster's, Haslam model, curved, 7 inch, serrated jaw .....	2.00
B-781	Foster's, Haslam model, curved, 9½ inch, plain jaw .....	2.15
B-781A	Foster's, Haslam model, curved, 9½ inch, serrated jaw .....	2.15
B-782	Haslam's, combined sponge, dressing and seizing.....	2.50
*B-783	Kelly's .....	2.75
B-784	Polk's, sponge .....	2.40
B-786	Wilson's serrated blades .....	2.00

## GENERAL OPERATING



B-480

B-481

B-482

B-485

B-486

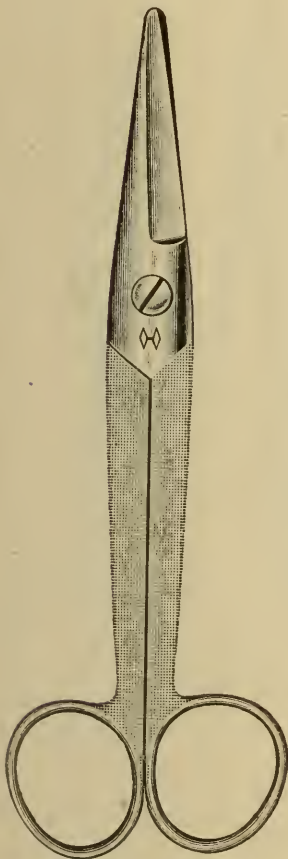
B-487

## OPERATING SCISSORS

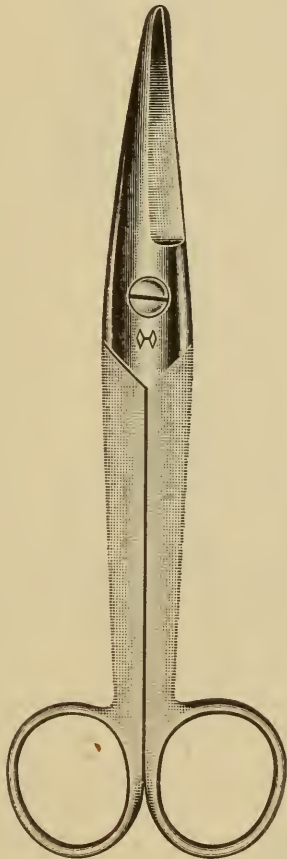
B-480	Scissors, straight No. 1, two blunt points,						
	Size .....4 in.	4½ in.	5 in.	5½ in.	6 in.	6½ in.	7 in.
	Price each...\$0.70	\$0.75	\$0.85	\$0.95	\$1.05	\$1.15	\$1.25
B-481	Scissors, straight, No. 2, one blunt and one sharp point,						
	Size .....4 in.	4½ in.	5 in.	5½ in.	6 in.	6½ in.	7 in.
	Price each...\$0.70	\$0.75	\$0.85	\$0.95	\$1.05	\$1.15	\$1.25
B-482	Scissors, straight, No. 3, two sharp points,						
	Size .....4 in.	4½ in.	5 in.	5½ in.	6 in.	6½ in.	7 in.
	Price each...\$0.70	\$0.75	\$0.85	\$0.95	\$1.05	\$1.15	\$1.25
B-485	Scissors, curved on flat, No. 1, two blunt points,						
	Size .....4 in.	4½ in.	5 in.	5½ in.	6 in.	6½ in.	7 in.
	Price each...\$1.00	\$1.05	\$1.10	\$1.20	\$1.30	\$1.40	\$1.50
B-486	Scissors, curved on flat, No. 2, one blunt and one sharp point,						
	Size .....4 in.	4½ in.	5 in.	5½ in.	6 in.	6½ in.	7 in.
	Price each...\$1.00	\$1.05	\$1.10	\$1.20	\$1.30	\$1.40	\$1.50
B-487	Scissors, curved on flat, No. 3, two sharp points,						
	Size .....4 in.	4½ in.	5 in.	5½ in.	6 in.	6½ in.	7 in.
	Price each...\$1.00	\$1.05	\$1.10	\$1.20	\$1.30	\$1.40	\$1.50



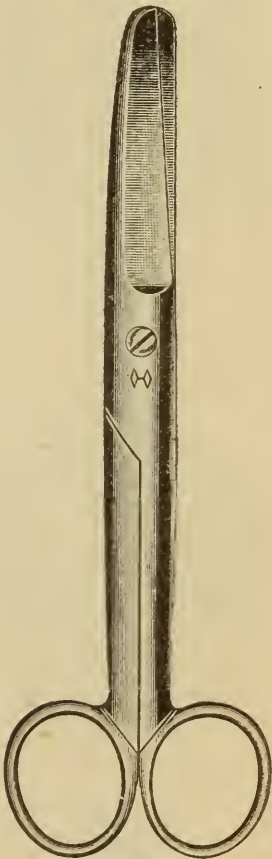
GENERAL OPERATING



B-508



B-509



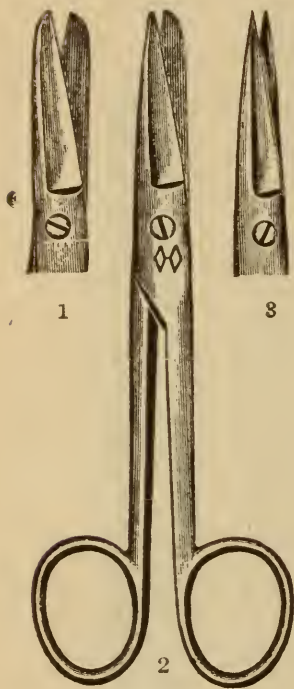
B-492

OPERATING SCISSORS—HAND FORGED

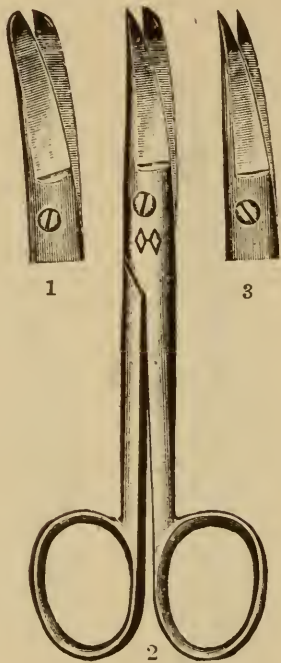
These scissors are made in the very latest Flat Form pattern, from English steel, and are hand forged throughout. We have no hesitancy in recommending these scissors as the very best that can be produced in design, construction, temper and finish.

*B-506	Scissors, straight, 5½ inch, one point, sharp, screw joint.....	\$1.60
*B-506A	Scissors, straight, 5½ inch, two points, blunt, screw joint.....	1.60
*B-506B	Scissors, straight, 5½ inch, two points, sharp, screw joint.....	1.60
*B-507	Scissors, curved on flat, 5½ inch, one point, sharp, screw joint.....	1.70
*B-507A	Scissors, curved on flat, 5½ inch, two points, blunt, screw joint.....	1.70
*B-507B	Scissors, curved on flat, 5½ inch, two points, sharp, screw joint.....	1.70
*B-491	Doyen's, straight, 7 inch, abdominal.....	1.75
B-492	Doyen's, curved on flat, 7 inch, abdominal.....	2.25
B-508	Noble's, straight, 6¼ inch, hand forged.....	5.00
B-509	Noble's, curved on flat, 6¼ inch, hand forged.....	5.50
*B-511	Noble's, straight, 6¼ inch, Mayo dissecting blades, hand forged.....	5.50
*B-512	Noble's, curved on flat, 6¼ inch, Mayo dissecting blades, hand forged...	6.00

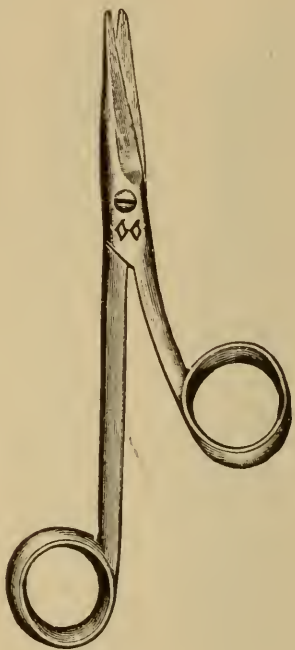
GENERAL OPERATING



B-515



B-520



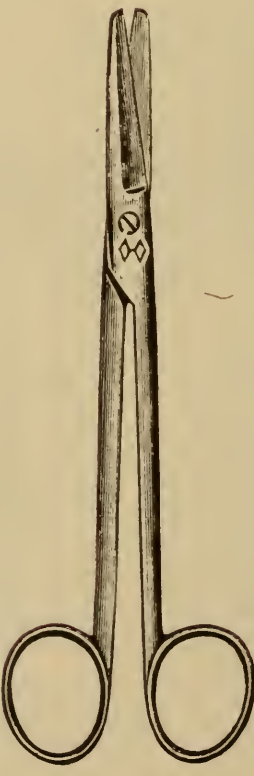
B-524



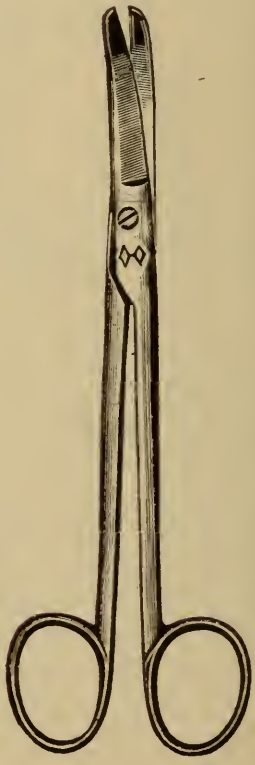
B-525



B-526



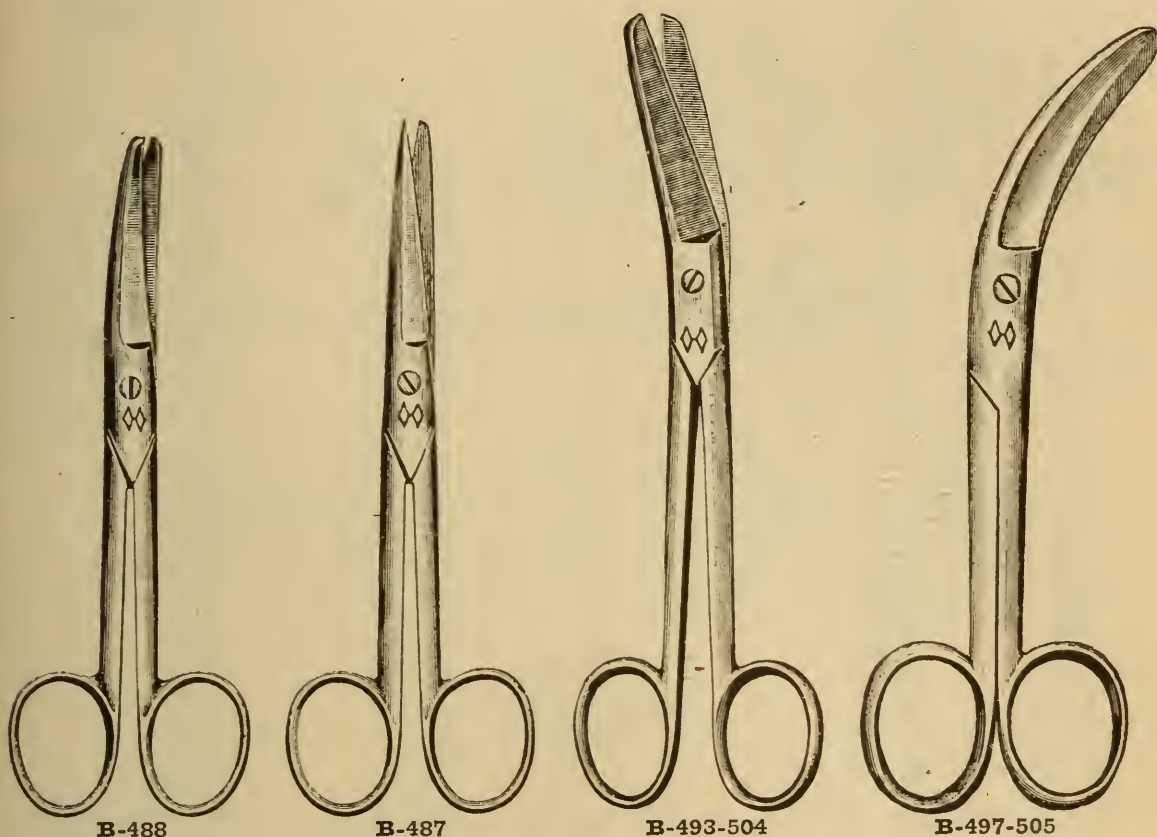
B-528



B-529



## GENERAL OPERATING

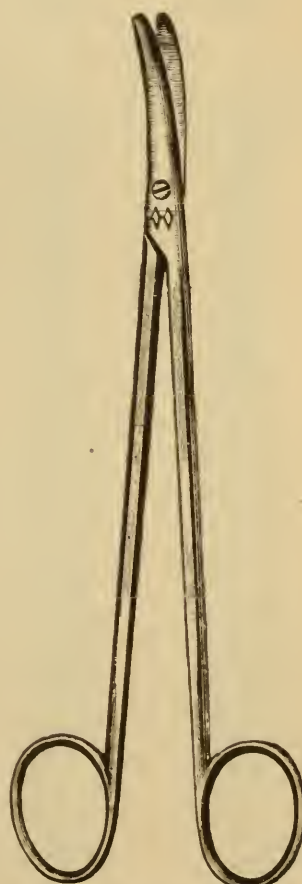


## OPERATING SCISSORS

B-487	Deaver's, straight, hand forged.....	\$1.60
B-488	Deaver's, curved on flat, hand forged.....	1.75
B-493	Ferguson's, angled on flat, 7 inch, \$2.00; 8 inch...	2.50
*B-496	Israel's, curved on flat, 6½ inch, two points, sharp	1.50
B-497	Krey's, curved on edge, blunt, 6½-inch.....	1.75
*B-498	Littauer's, stitch, 5½ inch.....	1.50
*B-499	Littauer's, stitch, 4½ inch.....	1.25
B-515	Mayo's (W. J.), straight, 5 inch, \$1.10; 5½ inch	1.25
B-520	Mayo's (W. J.), curved on flat, 5 inch, \$1.25; 5½ inch .....	1.35

In ordering Mayo scissors, please be explicit in stating whether you want one point sharp, two points sharp, or two points blunt.

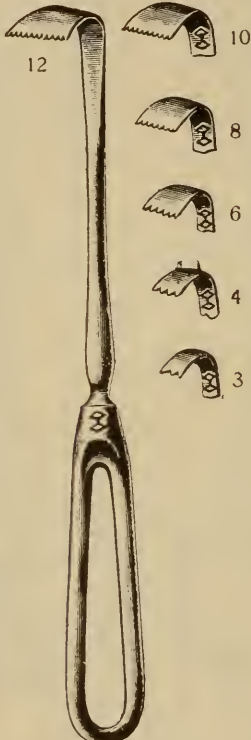
B-525	Mayo (C. H.), straight, dissecting, 5½ inch, \$1.50; 6½ inch.....	1.75
B-524	Mayo-Kocher's, straight, dissecting.....	2.25
B-526	Mayo-Murray's, curved on flat, dissecting, 5½ inch, \$1.65; 6½ inch.....	2.00
B-527	Metzenbaum's, curved on flat, slender, 7 inch....	2.00
B-528	Mixter's, straight, 6 inch.....	1.40
B-529	Mixter's, curved on flat, 6 inch.....	1.50
B-505	Murray's, curved on edge.....	1.75
B-500	Office dressing, straight, 5½ inch, \$0.75; 6 inch, \$1.00; 7 inch.....	1.25
B-504	Rochester, angled on flat, 7 inch, \$2.00; 8 inch..	2.50
*B-510	Straight, one probe point, 4½ inch, \$0.90; 5 inch.	1.00

**B-527**

GENERAL OPERATING



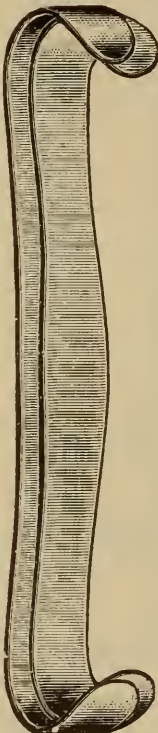
B-550



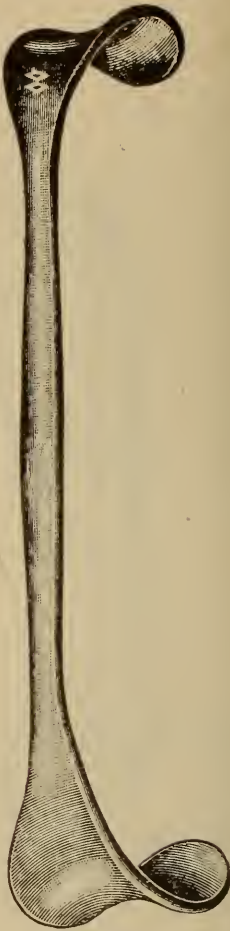
B-590-615



B-658



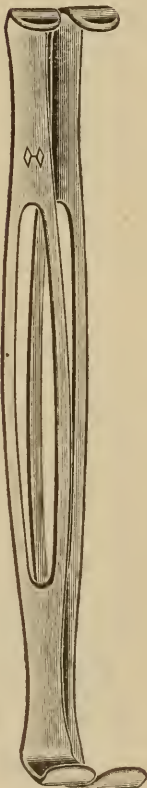
B-650



B-578



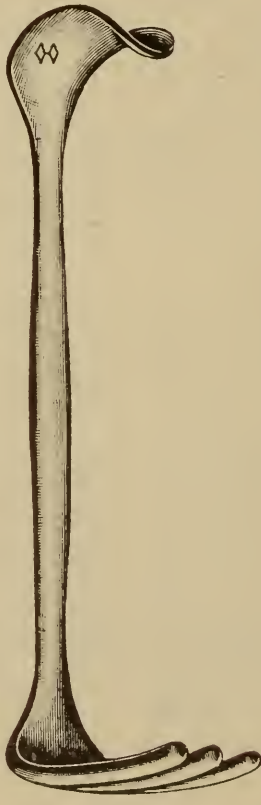
B-575



B-655



B-570



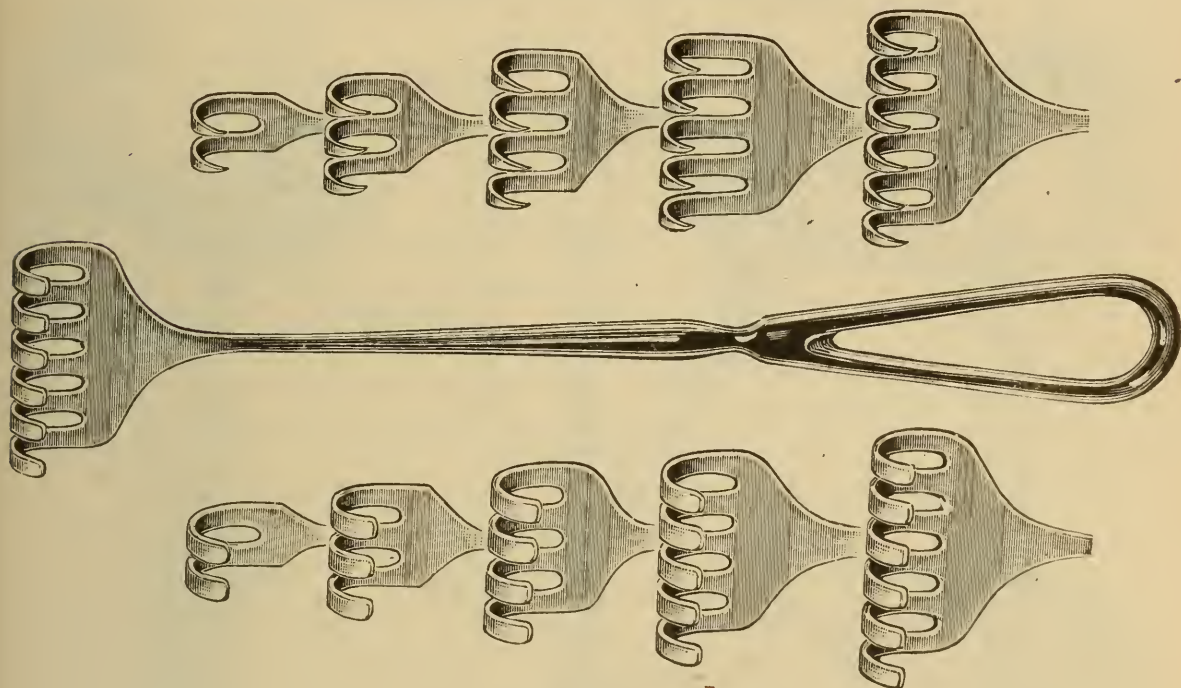
B-587



B-640



## GENERAL OPERATING



B660-665

## RETRACTORS—GENERAL



B-625

B-550	Bilroth's, blunt, 3 prong.....	\$1.75
*B-571	Clark's, blunt prongs, hooked handle	1.25
*B-574	Clark's, sharp prongs, hooked handle	1.50
B-570	Collin's, set of two, fenestrated.....	
B-575	Forwood's, set of two.....	2.75
B-578	Goelet's, double .....	1.75
*B-580	Green's, solid blade, small	1.25; large 1.50
B-587	Guitera's, double ended.....	3.00
B-590	Halstead's, 3 prongs.....	1.25
B-595	Halstead's, 4 prongs.....	1.35
B-600	Halstead's, 6 prongs.....	1.40
B-605	Halstead's, 8 prongs.....	1.60
B-610	Halstead's, 10 prongs.....	1.85
B-615	Halstead's, 12 prongs.....	2.00
*B-620	Israel's, 3 prongs, \$2.50; 6 prongs...	2.50
B-625	Lange's, major .....	1.75
*B-630	*Lange's, minor .....	1.50
*B-635	Little's .....	1.50
B-640	Middledorf's, fenestrated, 3 sizes...	2.25
B-650	Parker's, set of 2, short, \$0.75; long	1.00
B-652	Richardson's, small, original.....	1.75
*B-657	Schultz's, blunt, 6 prong.....	1.65
B-658	Schultz's, sharp, 6 prong.....	1.65
B-655	U. S. Army, steel, per pair.....	2.50
B-660	Volkman's, sharp—	
	Prongs .. 2 3 4 5 6	
	Price ...\$1.35 \$1.50 \$1.60 \$1.75 \$1.75	
B-665	Volkman's, blunt—	
	Prongs .. 2 3 4 5 6	
	Price ...\$1.35 \$1.50 \$1.60 \$1.75 \$1.75	

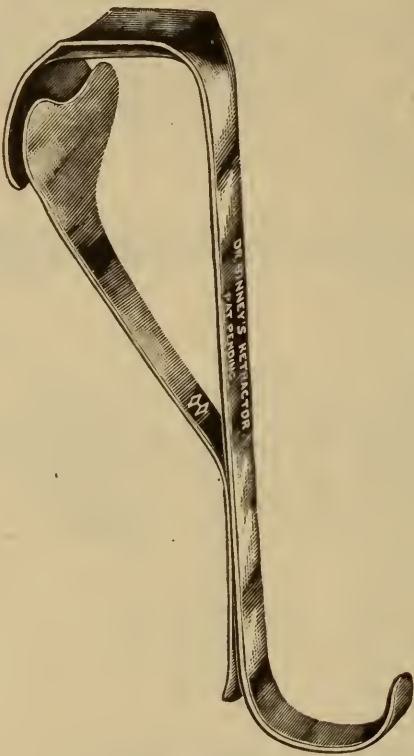


B-652

GENERAL OPERATING



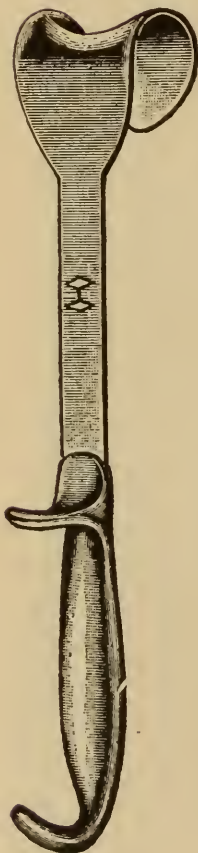
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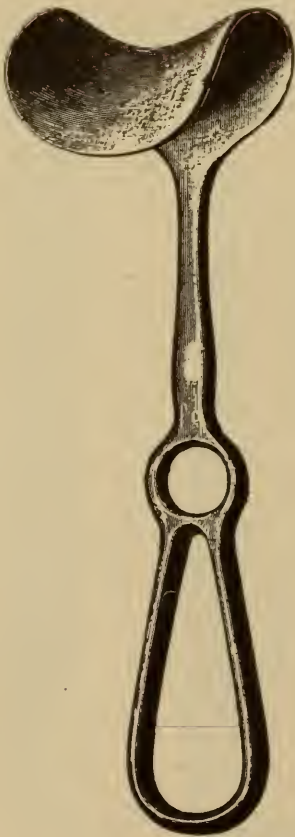
B-727



B-670



B-675



B-685



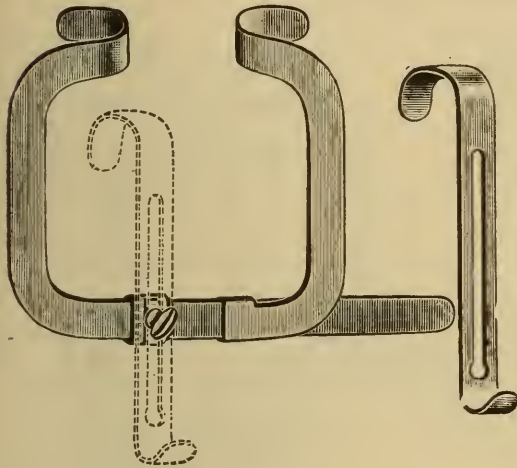
B-702-703



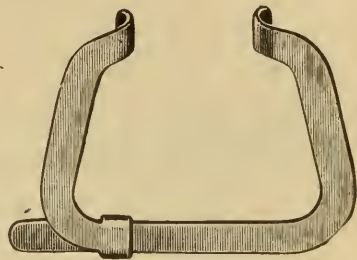
B-700



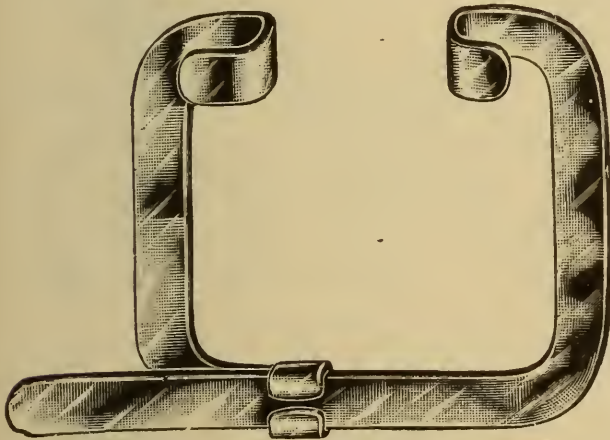
## GENERAL OPERATING



B-722



B-723



B-721



B-666

B-667

B-669

B-669

## RETRACTORS—ABDOMINAL

B-727	Binney's, abdominal lift retractor .....	\$5.25
B-666	Deaver's, short, 1 inch wide.....	1.10
B-667	Deaver's, long, 1 inch wide.....	1.25
B-668	Deaver's, extra long, 1 inch wide.....	1.40
B-669	Deaver's, extra long 2 inches wide.....	1.40
B-670	Donoghue's, 3 sizes, each.....	3.00
B-675	Doyen's, thin steel blade.....	4.25
B-680	Fritsch's, small .....	2.25
*B-685	Fritsch's, large .....	3.00
B-700	Kelly's, original model, 4 sizes, each.....	2.00
B-702	Roux's, double ended, blades $\frac{7}{8}$ and $1\frac{1}{2}$ inches wide.....	1.85
B-703	Roux's, double ended, blades $1\frac{3}{8}$ and $1\frac{7}{8}$ inches wide.....	2.25
B-729	Walsh's, new model .....	3.50

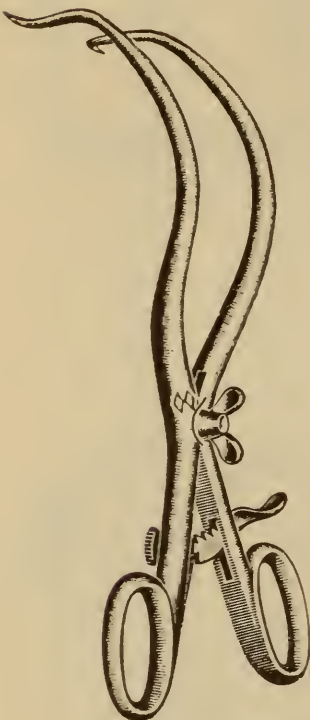
## THE SPARK'S SELF RETAINING RETRACTORS

B-721	Spark's, self retaining, abdominal.....	4.50
B-722	Spark's, self retaining, abdominal, with extra blade.....	5.50
B-723	Spark's, self retaining, appendectomy.....	4.00

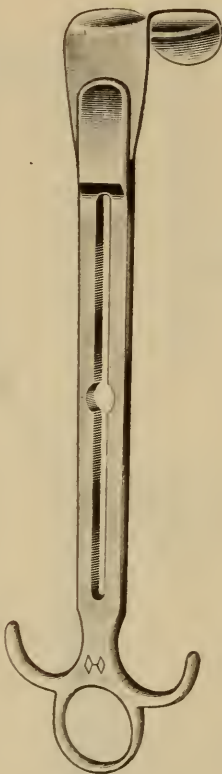
These retractors have been designed and perfected under the name of Spark's. They are guaranteed to be of the very best material and construction.

Each instrument is self retaining, is very simple, and consists of only two pieces of sheet steel, heavily plated over copper. The two parts can be instantly dismounted and folded into small space. The abdominal retractor has an opening of six inches and the appendectomy retractor has an opening of three and a half inches.

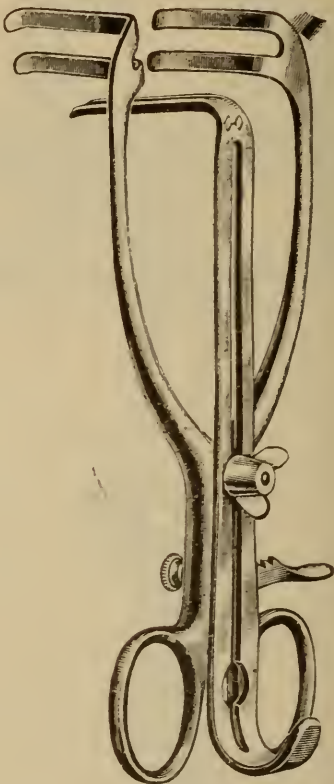
GENERAL OPERATING



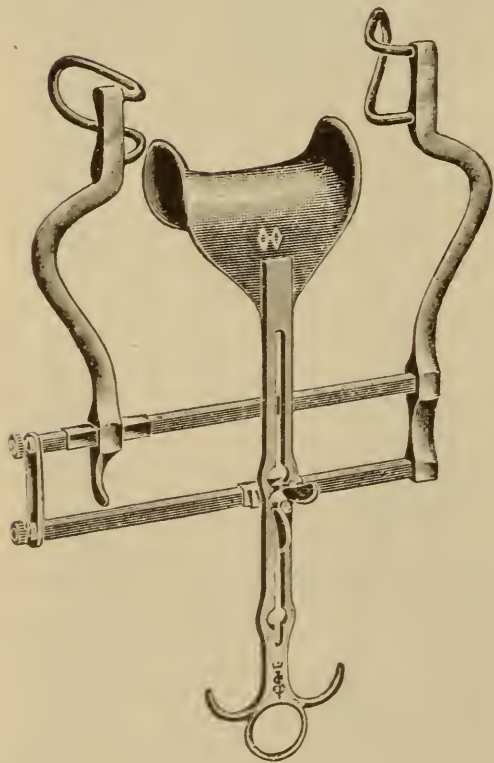
B-686



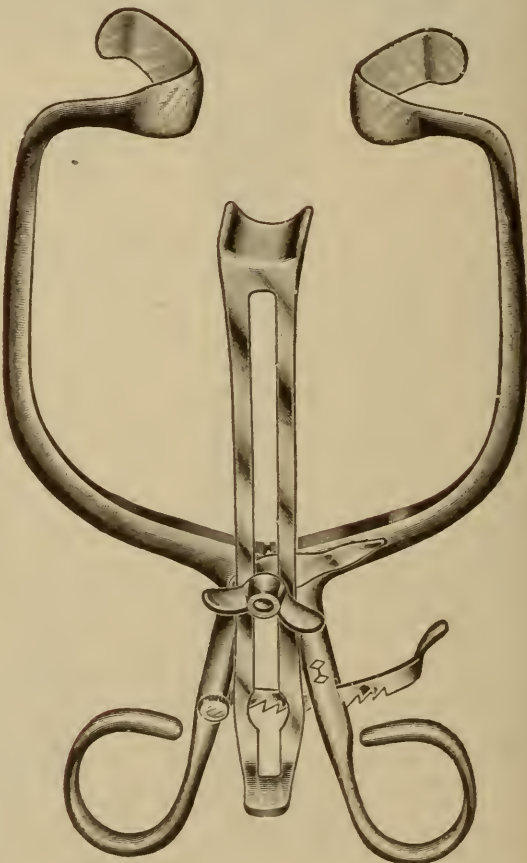
B-728 A



B-712



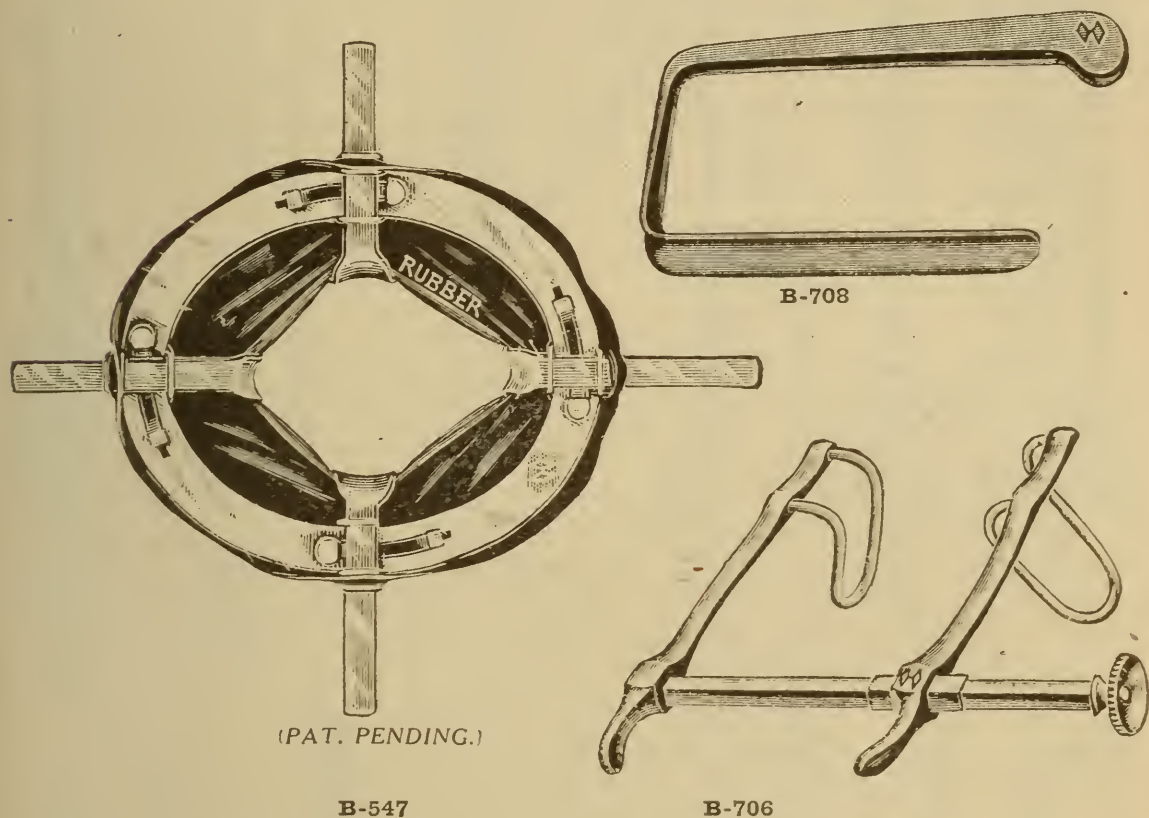
B-728



B-720



## GENERAL OPERATING



## RETRACTORS—SELF RETAINING

B-728	Balfour's, automatic .....	\$10.00
B-728A	Balfour's, extra narrow blade, only.....	4.00
B-547	Bates', automatic, no set screws, self locking blades, rubber dam protective. Gives retraction at four points, and does away entirely with the need of a retractor assistant.....	18.50
	Circular giving full description on request.	
B-686	Golpi's, perineal.....	5.00
*B-710	Mayo's (Dr. W. J.), for appendectomy and herniotomy.....	4.50
B-712	Mayo-Collins', for appendectomy and herniotomy.....	6.00
*B-715	Mayo-Simpson's, abdominal. This retractor is the same as B-720, minus the third blade .....	7.25
B-720	Mayo-Collins'-Simpson's, abdominal.....	9.00
B-706	Mayo's, Simplex, self-retaining.....	6.00
B-705	Morton's, abdominal wall lifter.....	3.50
*B-724	Webster's, self retaining, abdominal.....	15.00

GENERAL OPERATING



B-735



B-740



B-730



B-742



B-725



B-760



B-820



B-726



B-802



B-797



B-795



B-810



B-816



B-815



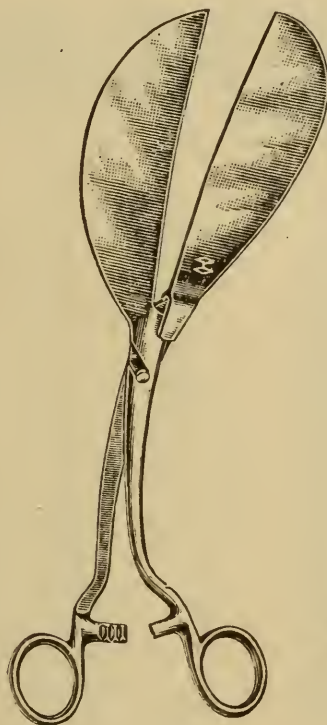
## GENERAL OPERATING



B-746



B-750



B-811



B-757



B-758

## DIRECTORS, PROBES, ETC.

B-725	Director, Arnott's, grooved, silver.....	\$1.50
B-726	Director, Boyd's hernia .....	1.10
B-742	Director, Willm's, hernia, angular handle.....	.60
B-730	Director, grooved, with aneurism needle, plated.....	.40
B-735	Director, grooved, with tongue tie, plated.....	.25
*B-737	Director, grooved, with tongue tie, spear point, plated	.50
*B-738	Director, grooved, spoon end, plated, 35c; aluminum..	.35
B-740	Director, grooved, with tongue tie, probe point, plated	.40
*B-745	Director, grooved, double curved, with tongue, tie, plated .....	.75
B-746	Director, Bruenner's, bronchocele .....	1.50
*B-747	Director, Kelly's, steel .....	.90
B-750	Director, Kocher's .....	1.20
B-757	Dissector, Mayo's .....	1.10
B-758	Dissector, Settegast's, for dissection and dilatation..	3.00
B-760	Dissector, Young's, prostatic .....	2.40
*B-778	Packer, Kelly's .....	.60
	Length .....	4½ in. 5 in. 5½ in. 6 in. 8 in. 10 in. 12 in.
B-780	Probe, with eye, plated .....	\$0.15 \$0.15 \$0.15 \$0.25 \$0.35 \$0.50 \$0.65
B-785	Probe, with eye, silver .....	.40 .40 .45 .60 .65 1.00 1.25
B-790	Probe, spear point, plated .....	.15 .15 .15 .25 .35 .50 .65
B-792	Probe, spear point, silver .....	.40 .40 .45 .60 .65 1.00 1.25
*B-800	Probe, plated, myrtle leaf end, 4½ and 5 in., each....	.30
B-802	Probes, Desjardine's, gall stone, 3 sizes.....	1.50
B-795	Probe, Faenger's, spiral, for gall duct; can also be used as a catheter.....	1.50
B-797	Probe, Mayo's, block tin, with scoop and director, for gall duct .....	1.25
B-811	Protector, Miller's, viscera .....	6.50
*B-805	Replacer, Richardson's, for packing the intestines....	3.00
*B-759	Spatula and Tongue Tie.....	.40
B-810	Spoon, Beck's, for depressing the intestines in suturing the peritoneum.....	1.75
*B-812	Tucker, Barrett's, for tucking in the cuff of the appendix .....	1.00
B-815	Tucker, Mayo-Boldt's, for tucking in the cuff of the appendix .....	.60
B-816	Tucker and Packer, Mayo-Kelly's.....	1.00
B-820	Vein Stripper, Dr. C. H. Mayo's, 3-sizes, for stripping or dissecting varicose veins, each.....	1.50

B-790

B-780

BONE INSTRUMENTS



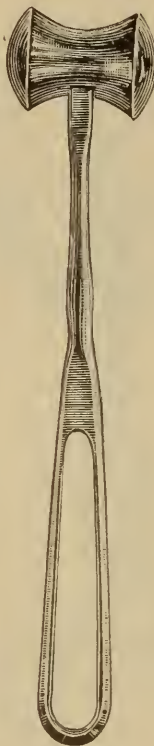
B-867



B-876



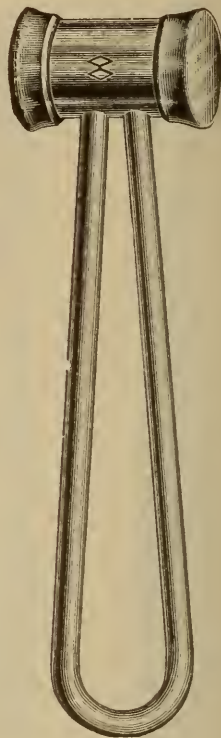
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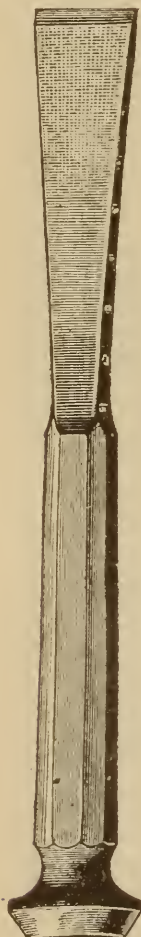
B-895



B-899



B-910



B-850



B-880



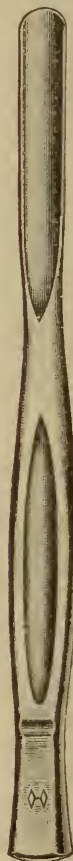
B-835



B-860



B-847



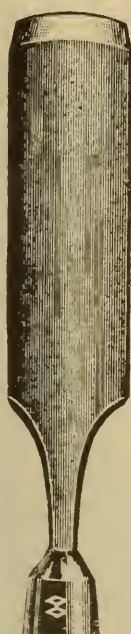
B-877



## BONE INSTRUMENTS



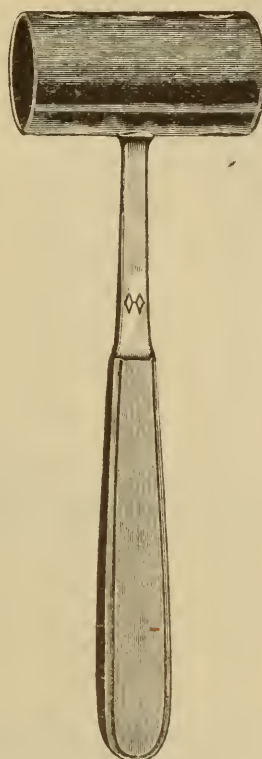
B-851



B-881



B-897



B-894



B-892

## CHISELS, GOUGES AND MALLETS

## Chisels

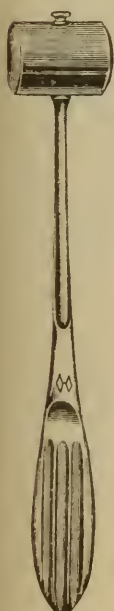
*B-830	Bergmann's, 3 widths, each.....	\$1.50
B-835	Brun's, 3 widths, each.....	1.35
*B-837	Down's, 3 widths, 7-8-9 mm., each....	1.10
*B-845	Esmarch's, large, 3 widths, 19-24-29 mm., each .....	4.50
B-847	Haslam's, 4 widths, each.....	1.00
B-850	McEwen's, 3 widths, each.....	1.50
*B-851	Murphy's, 1, 1¼, 1½, 1¾ and 2 inches wide, each .....	2.00
B-852	Poirier's, cranial, 8 mm.....	1.65
*B-853	Sczymanowski's .....	2.00

## Gouges

B-860	Brun's, straight, 3 widths, each.....	\$1.50
*B-865	Brun's, curved, 3 widths, each.....	1.75
*B-869	Darby's, gouge, chisel, elevators and raspatory .....	5.50
B-867	Down's, 3 widths, 6, 8 and 9 mm., each .....	1.35
*B-875	Esmarch's, 3 widths, 19, 29 and 33 mm., each .....	5.00
B-876	Hand, curved, round head.....	1.40
B-877	Haslam's, 3 widths, each.....	1.25
B-880	McEwen's, 3 widths .....	1.65
*B-881	Murphy's, 1, 1¼, 1½, 1¾ and 2 inches wide, each .....	2.50
*B-890	Sczymanowsky's, large .....	2.50

## Mallets

*B-896	Bonebrake's .....	\$2.25
*B-891	Boxwood, plain, metal bound.....	1.50
B-892	Boxwood, lead filled, metal bound....	2.00
B-894	Fibre, metal handle.....	3.60
B-899	Forwood's, small, bronze.....	1.50
B-897	Hajek's .....	3.00
B-898	Jansen's, small .....	2.10
B-895	Lead, regular .....	2.00
B-895A	Lead, extra small.....	1.80
B-910	Morgan's, hard copper, each.....	2.00
*B-915	Rawhide, small, \$1.00; large.....	1.50

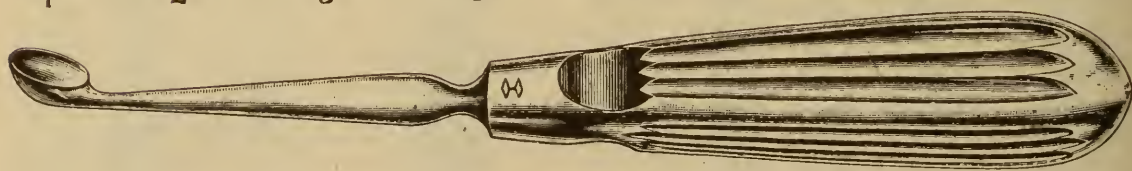
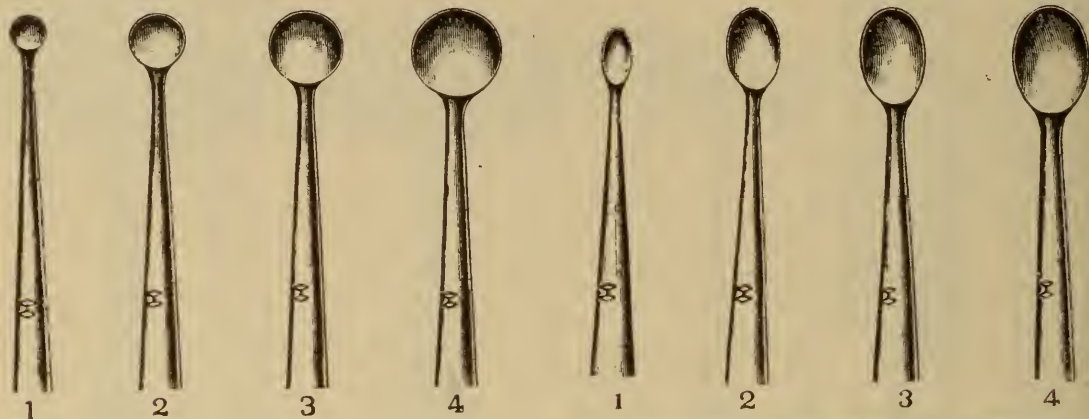


B-895A



B-898

## BONE INSTRUMENTS

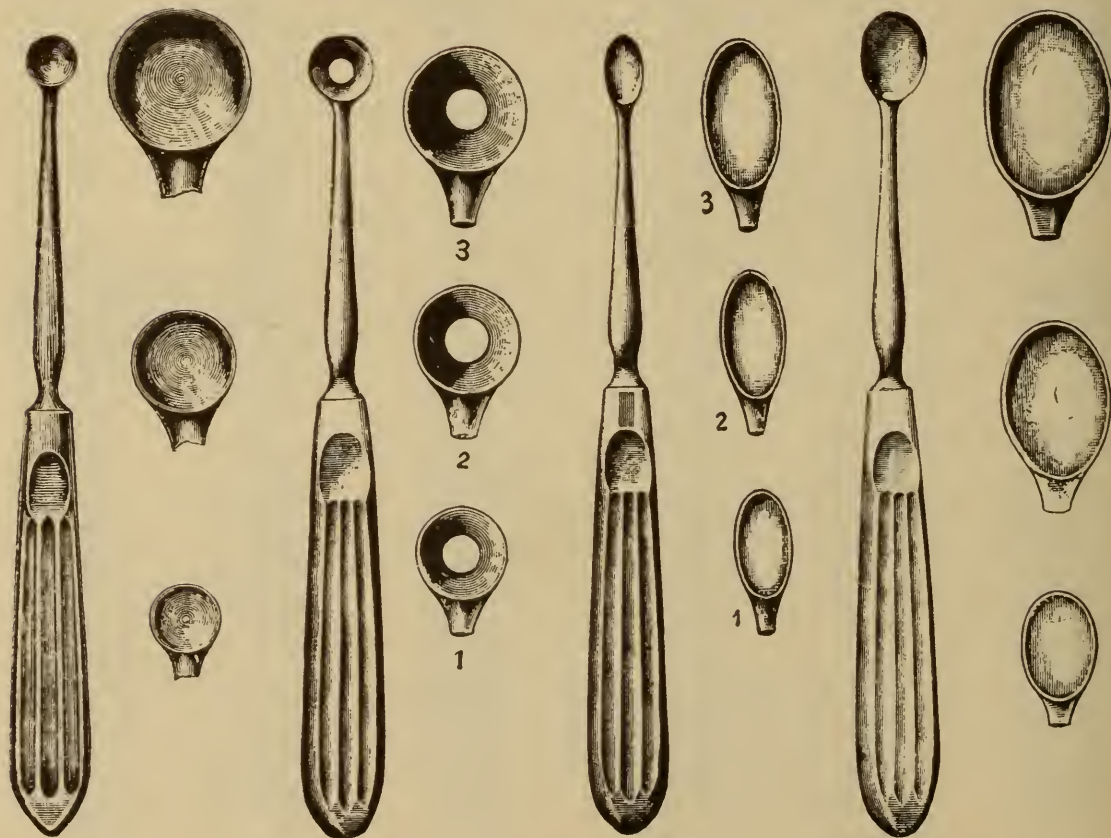


B-924

B-922



B-857



B-920

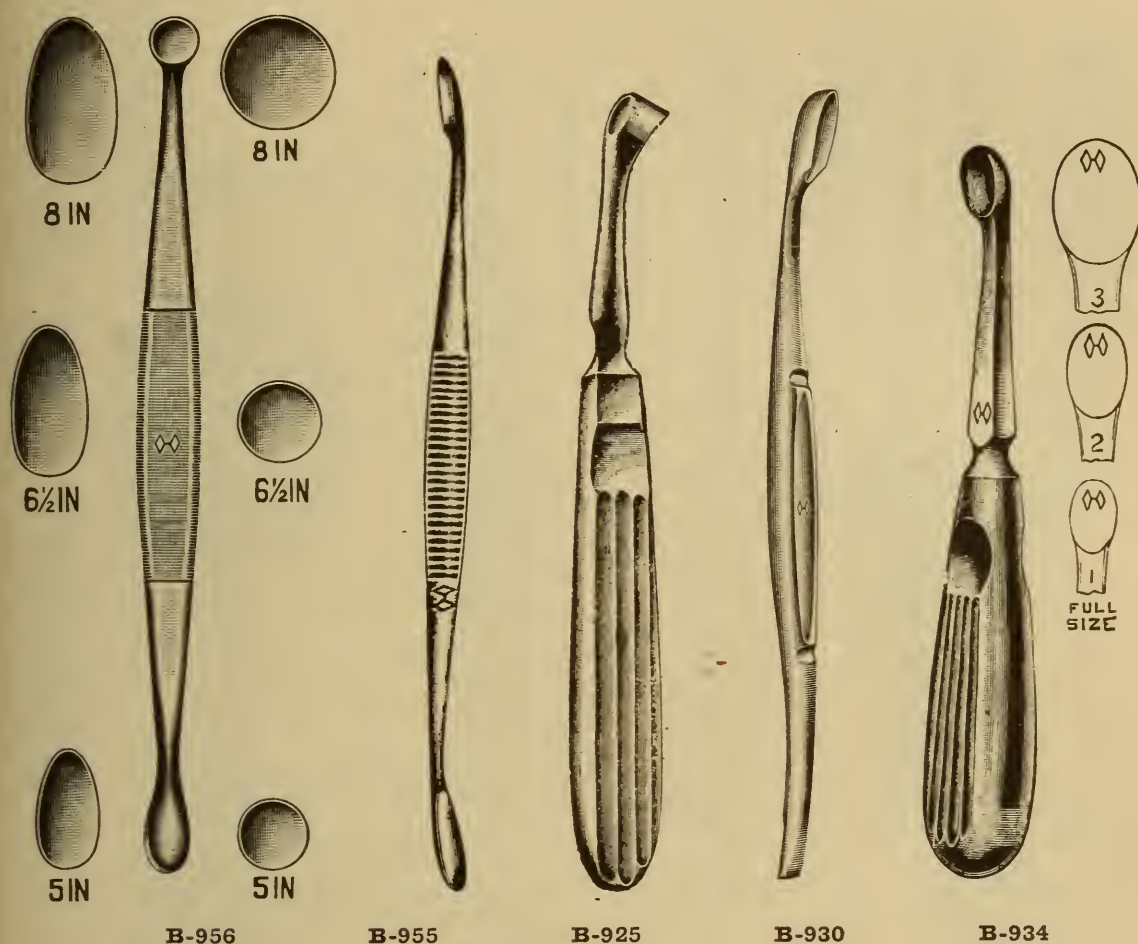
B-935

B-940

B-950



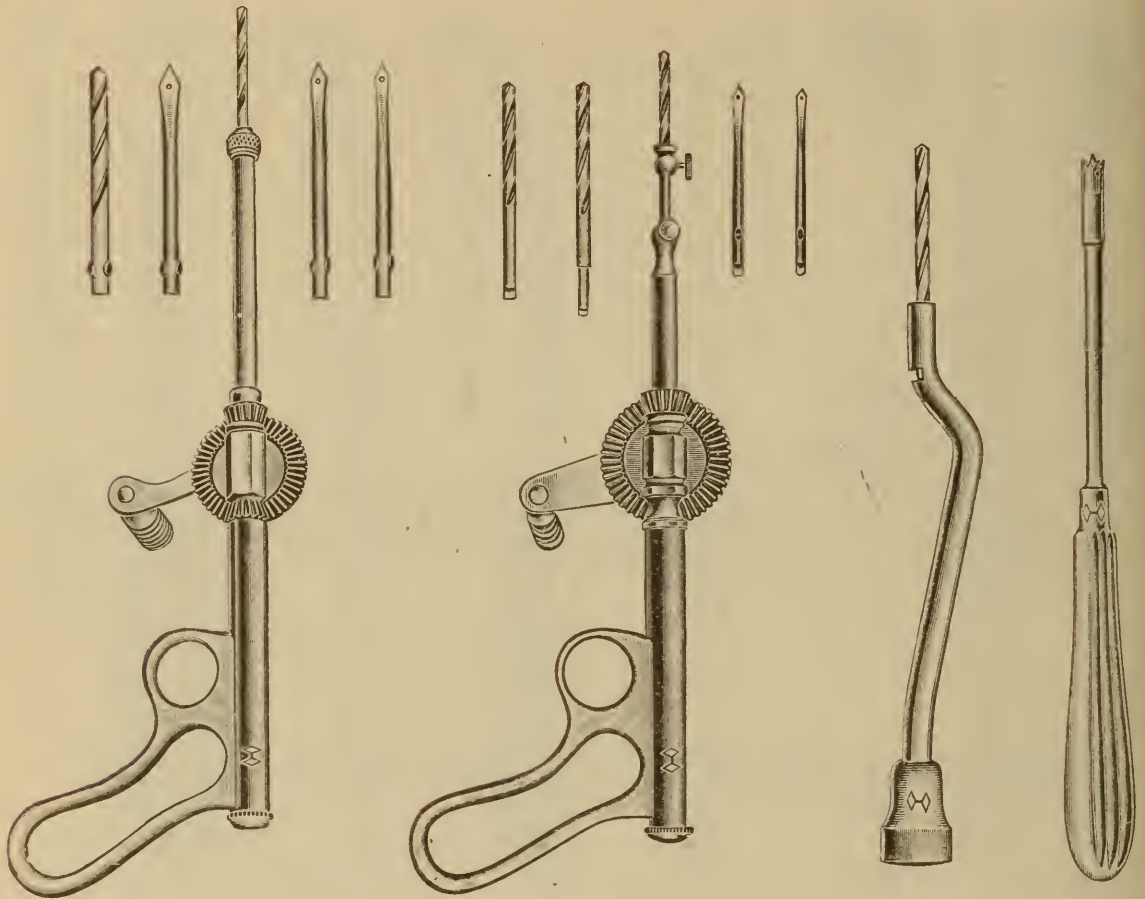
## BONE INSTRUMENTS



## BONE CURETTES

B-920	Brun's, 3 sizes, each.....	\$1.75
B-922	Buck's, oval, 4 sizes, for mastoid, each.....	1.80
B-924	Buck's, round, 4 sizes, for mastoid, each.....	1.80
B-925	Farabeuf's, curved, 1 size.....	2.00
B-930	Ferguson's, combined with pereosteotome.....	1.50
*B-932	Fowler's, double end.....	1.25
B-934	Greene's, extra heavy shank, 3 sizes, each.....	2.25
B-935	Luer's, 3 sizes, each.....	1.90
B-940	Schede's, 3 sizes, each.....	1.75
*B-942	Spratt's, 8 sizes, each.....	2.50
*B-945	Stille's, very large and heavy.....	4.50
B-950	Volkman's, 3 sizes, each.....	1.75
B-955	Volkman's, oval, double end, 4 1/2 in., \$0.80; 5 in., \$0.90; 5 1/2 in., \$0.90; 6 1/2 in., \$1.10; 7 1/2 in. ....	1.25
B-956	Volkman's, round and oval end, Haslam pattern, 5 in., \$1.00; 6 1/2 in., \$1.25; 8 in. ....	1.50
<p>This curette is made right, is properly balanced, the design is correct and it does not want to be confused with the cheap patterns of this same instrument offered the profession by some dealers.</p>		
B-957	Volkman's, round, double end, 8 in.....	1.50
*B-960	Volkman's, irrigating, 3 sizes, same design as B-950, each.....	3.50
B-965	Curette and Osteotrite.....	1.50

## BONE INSTRUMENTS

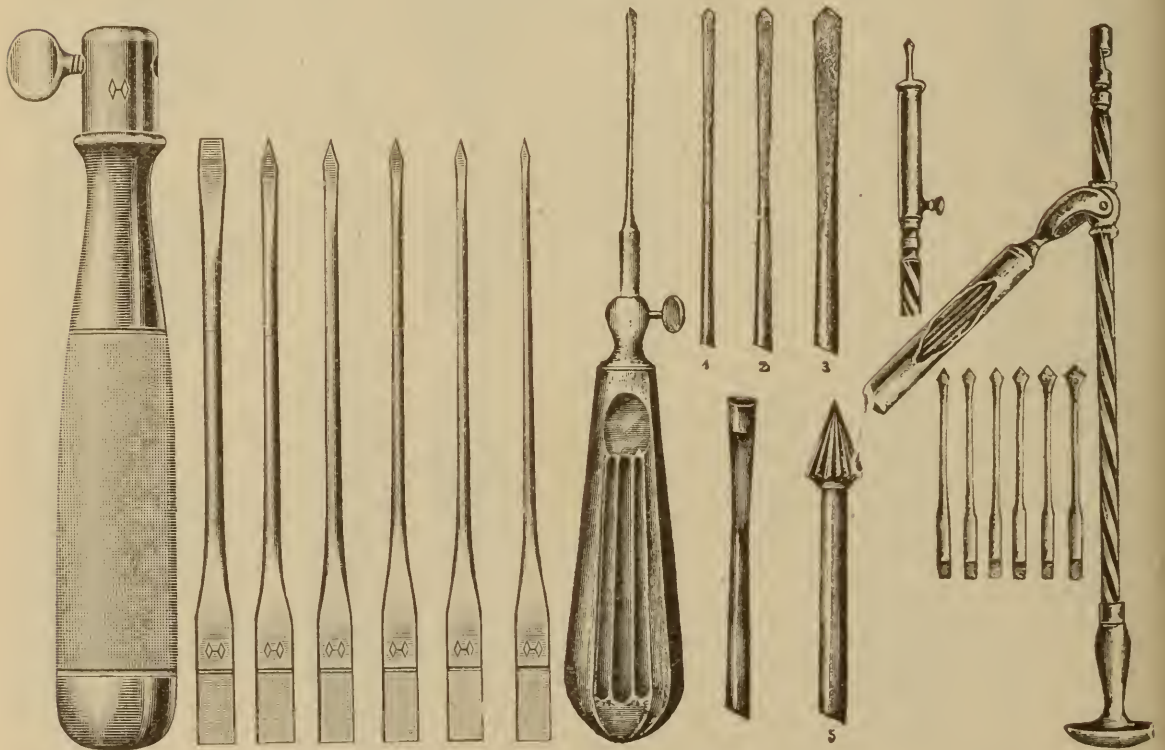


B-1012

B-1010

B-1018

E-1005



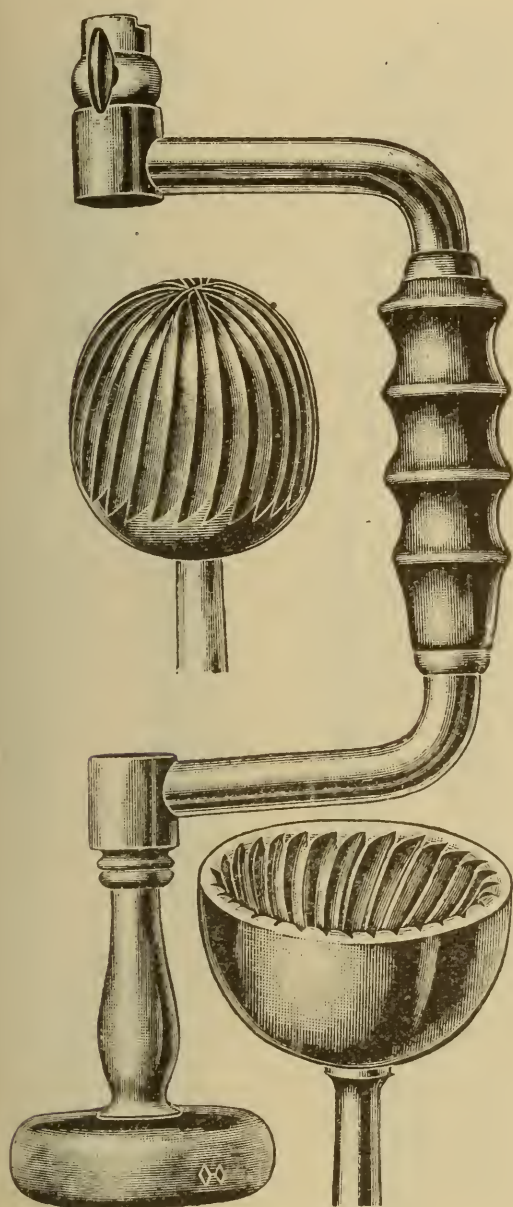
B-1002

B-970

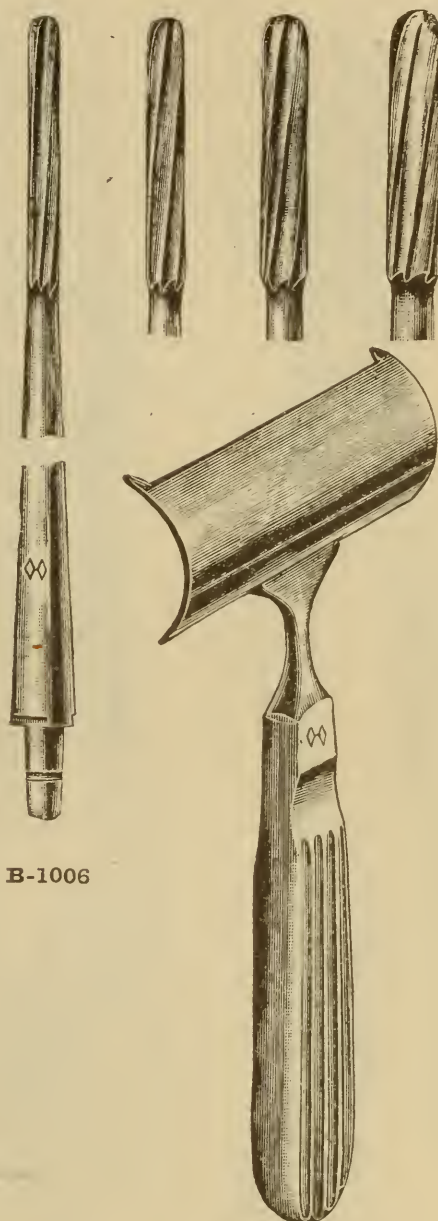
B-1000



## BONE INSTRUMENTS



B-1006



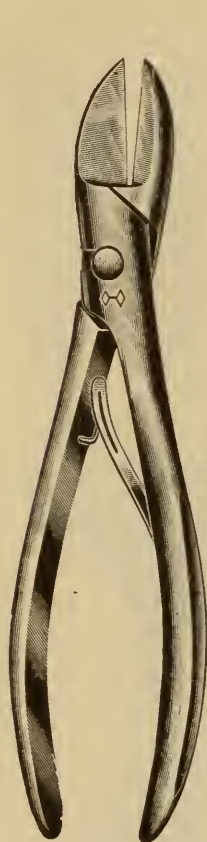
B-1006

B-1007

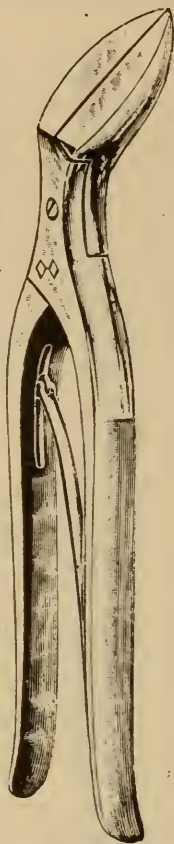
## BONE DRILLS

*B- 967	Automatic, push drill, heavy, with drills in partitioned handle.....	\$ 6.00
B- 970	Brainerd's, set of 5 drills .....	3.75
*B- 975	Brainerd's, set of 5 drills, with hollow metal handle for holding drills .....	4.50
*B- 980	Buck's, set, of 3 drills.....	3.50
B-1000	Hamilton's, with 6 drills, hollow metal handle for carrying drills.....	3.75
*B-1001	Hudson's, set of 4, cranial (circular mailed upon request).....	40.00
B-1002	Huntingdon-Lane Bone Drill, extra heavy, with screw driver.....	6.00
*B-1003	Lane's, set of 3 drills, with solid metal handle.....	4.50
B-1006	Murphy's, set of Medulla Reamers, 7¼ inches long, complete with brace handle .....	36.00
B-1007	Murphy's Retractor Guide.....	2.50
B-1005	Pope's, antrum .....	2.75
B-1010	Richter's, pistol grip, set of 6 drills, with hollow metal handle for carrying drills .....	6.75
B-1012	Richter's, pistol grip, set of 6 drills, with hollow metal handle, extra long shank for deep bone work, and with chuck jaw for holding drills .....	7.50
*B-1015	Stille's, set of 3 drills, 4 burrs and 1 crown.....	24.00
B-1018	Swivel, with swivel head, can be held and turned with one hand.....	2.00

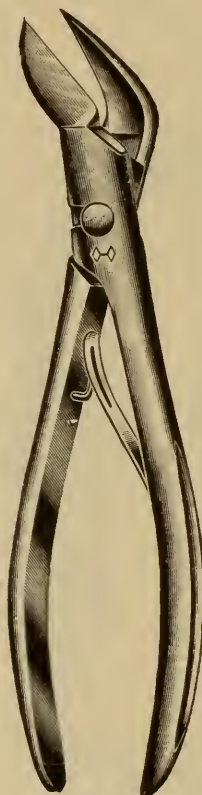
## BONE INSTRUMENTS



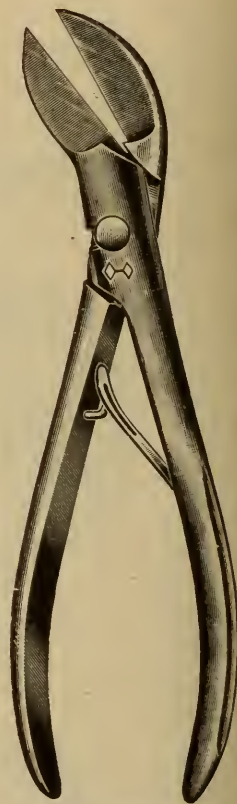
B-1020



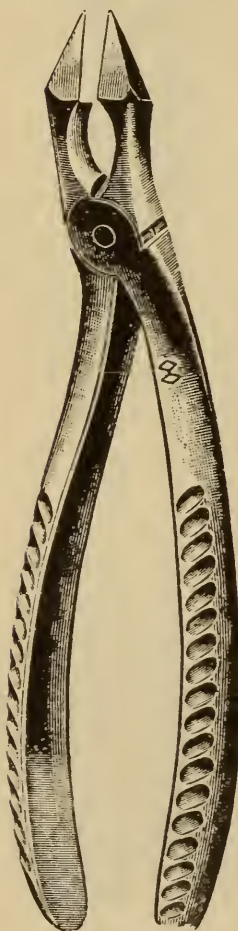
B-1037



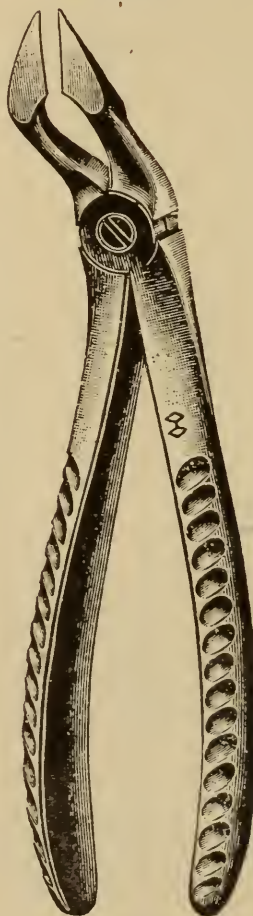
B-1035



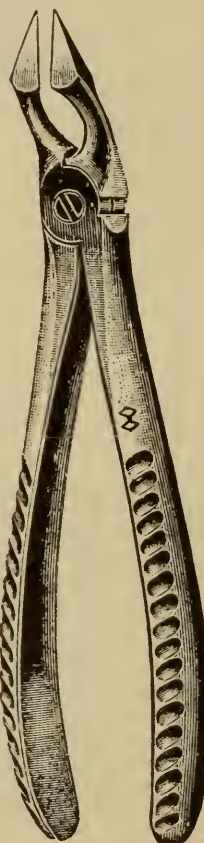
B-1040



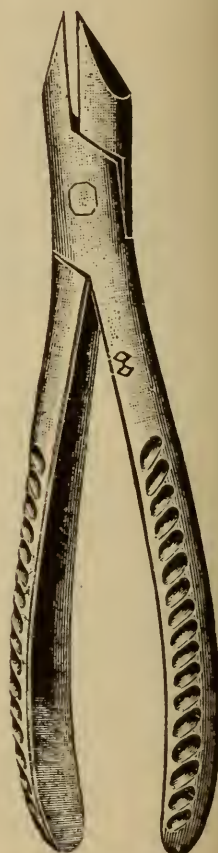
B-1082



B-1075



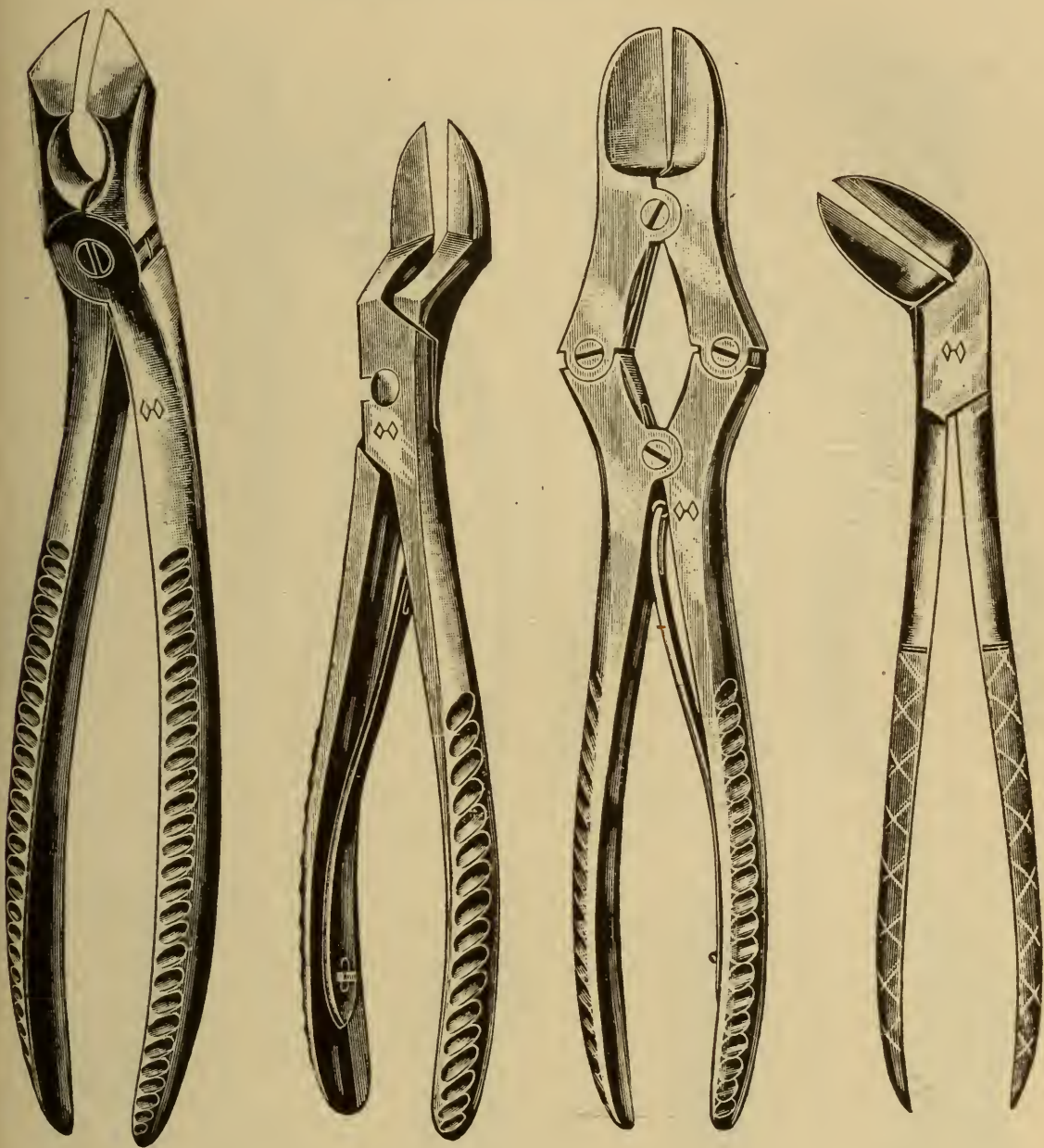
B-1080



B-1070



BONE INSTRUMENTS



B-1081

B-1045

B-1047

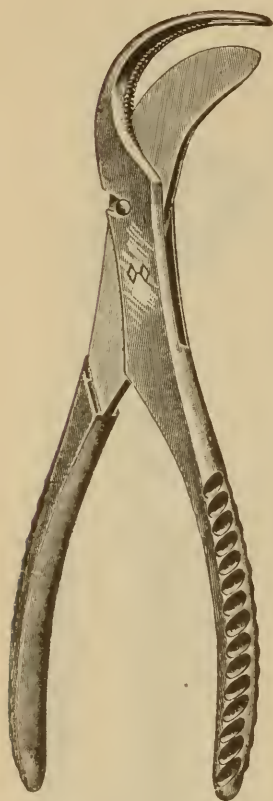
B-1042

Bone Cutting Forceps

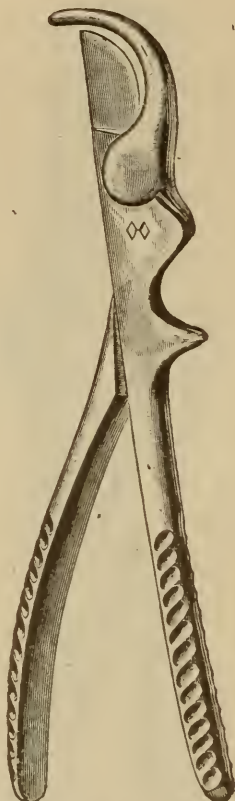
B-1020	Liston's, straight—						
	Size .....	5¾ in.	6¾ in.	7¾ in.	8¾ in.	9½ in.	10½ in.
	Price, each .....	\$2.85	\$3.25	\$3.50	\$3.75	\$4.50	\$5.00
*B-1022	Liston's straight, improved form of handle, see B-1037—						
	Size .....	5¾ in.	6¾ in.	7¾ in.	8¾ in.		
	Price, each .....	\$2.85	\$3.25	\$3.50	\$3.75		
B-1035	Liston's, curved on flat, 6¾ in., \$2.85; 7¾ in., \$3.50; 8¾ in., \$3.75						
B-1037	Liston's, curved on flat, improved form of handle, 6¾ in., \$2.85; 7¾ in., \$3.50; 8¾ in., \$3.75						
B-1040	Liston's, angular, 7 in., \$3.50; 8¾ in., \$3.75						
B-1042	Liston's, (Mayo's), angular, 12 in., \$9.00						
B-1045	Liston's, bayonet shape (Isaac's), \$4.50						
B-1047	Liston's, double jointed, very powerful, \$12.00						
*B-1065	Horsley's, curved on flat, 7½ in., \$4.65						
B-1070	Horsley's, straight, fine strong prismatic points, 7 in., \$4.25						
B-1075	Horsley's, with crank bend, acute angle, fine prismatic points, 7¾ in., \$4.75						
B-1080	Horsley's, with crank bend, fine prismatic points, 7 in., \$4.25						
B-1081	Horsley's, with double bend, 10½ in. long, \$6.75						
B-1082	Horsley's, with double bend, 7¾ in. long, \$4.75						
*B-1090	Satterlee's, \$3.50						
*B-1095	Velpau's, maxillary, \$4.25						

Note.—Special patterns of bone forceps made to order.

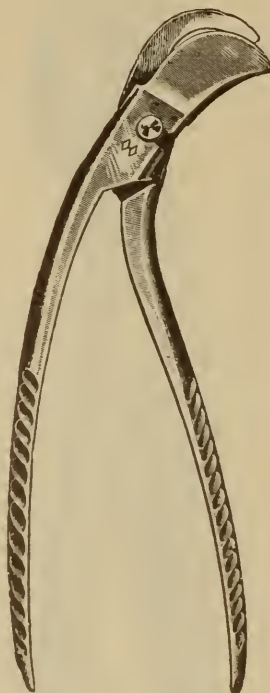
## BONE INSTRUMENTS



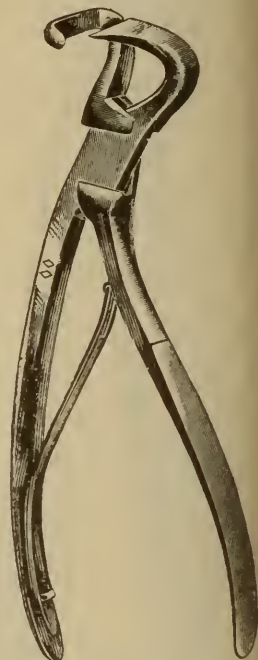
B-1115



B-1105-1110



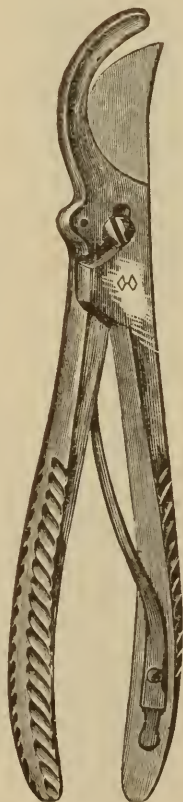
B-1100



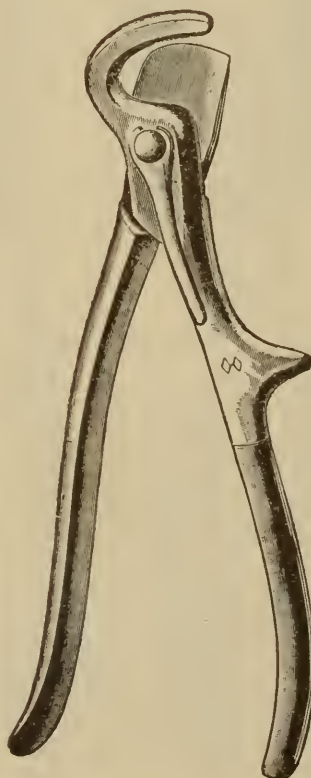
B-1104



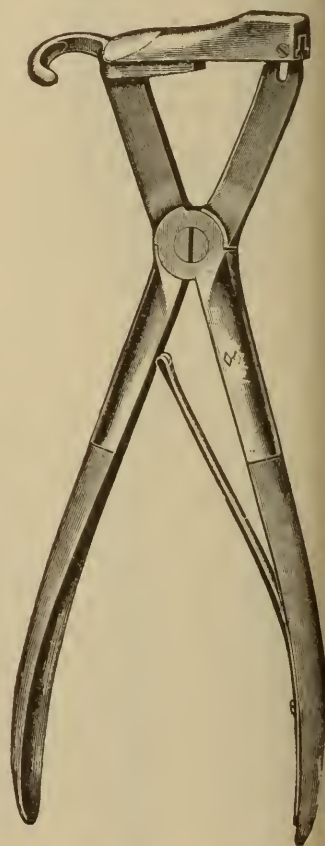
B-1117



B1118



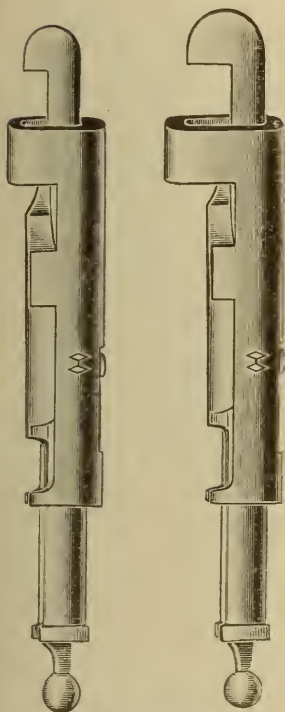
B-1122



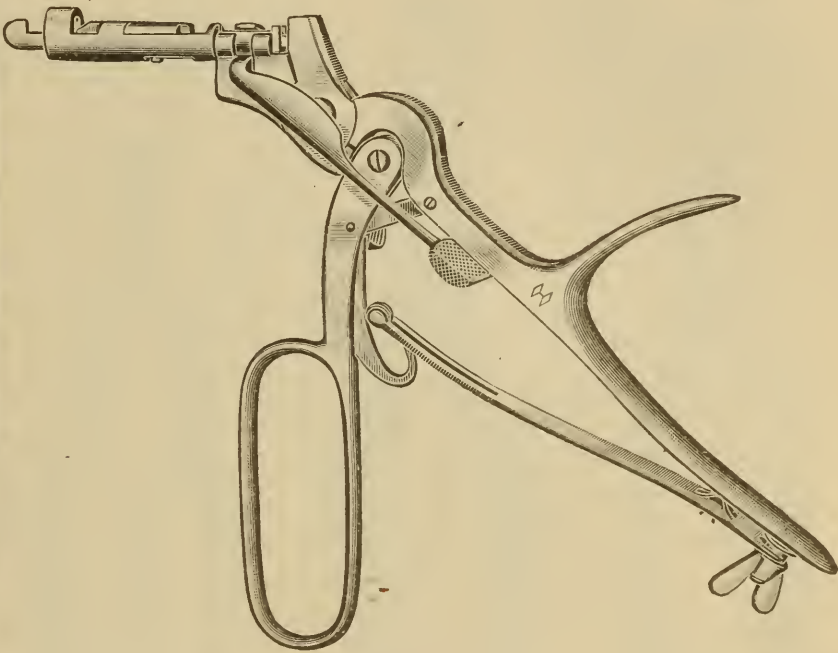
B-1120



BONE INSTRUMENTS



B-1124A



B-1124

BONE SHEARS

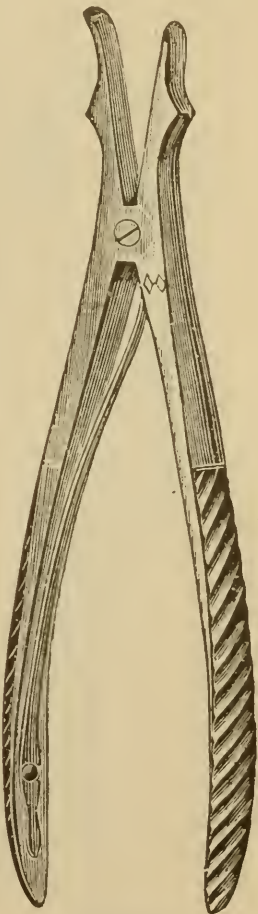
B-1100	Collin's, rib, full curved.....	\$ 4.00
B-1104	Doyen's, rib .....	9.00
B-1105	Gluck's, small, rib .....	4.50
B-1110	Gluck's, large, rib .....	5.00
B-1115	Mathieu's, rib, full curved.....	5.50
B-1117	Plain, rib .....	3.75
B-1118	Plain, rib, with eccentric sliding blade.....	4.85
B-1120	Shoemaker's (Leyden), rib.....	14.00
B-1121	Schumacher's (Berne), sternum.....	8.50
B-1122	Stille's, rib .....	3.50

RIB RETRACTOR

B-1123	Collin's .....	\$ 5.00
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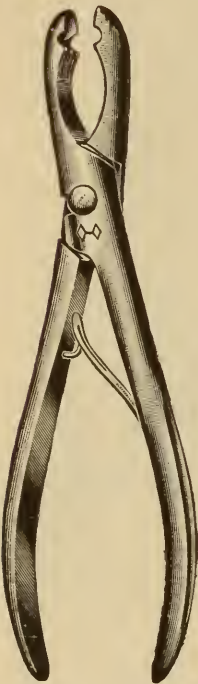
BONE GOUGING FORCEPS

B-1124	Huber's cranial forceps, with 1 cutting stem..	\$15.00
B-1124a	Huber's cranial forceps, with 2 cutting stems.	21.00
B-1124b	Huber's cranial forcep handle .....	10.50
B-1124c	Huber's cranial forcep cutting stems, 2 sizes,	
	each .....	6.00

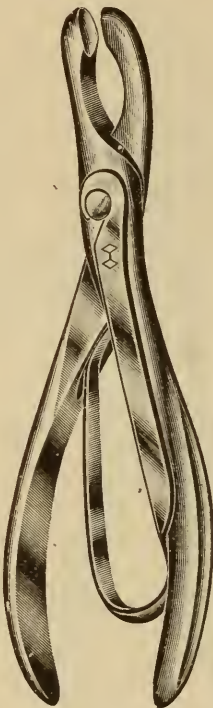


B-1123

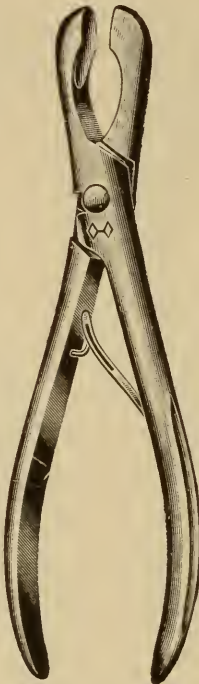
BONE INSTRUMENTS



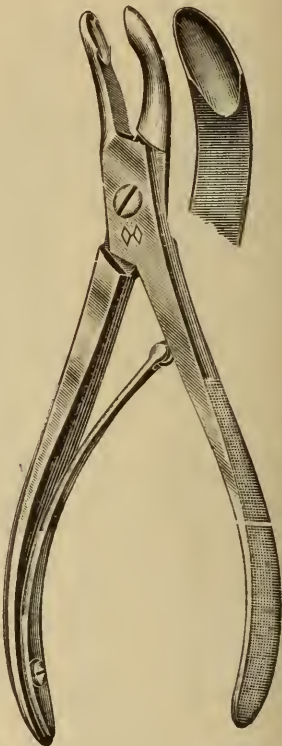
B-1130



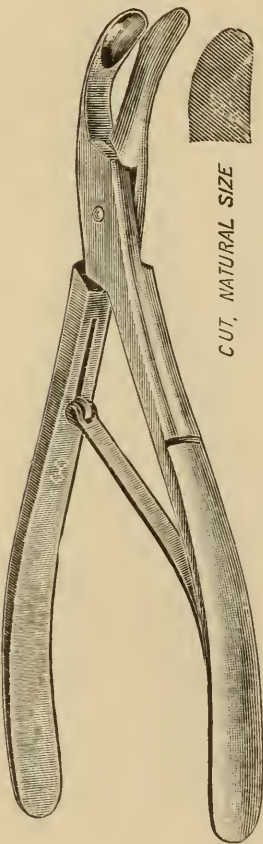
B-1165



B-1160

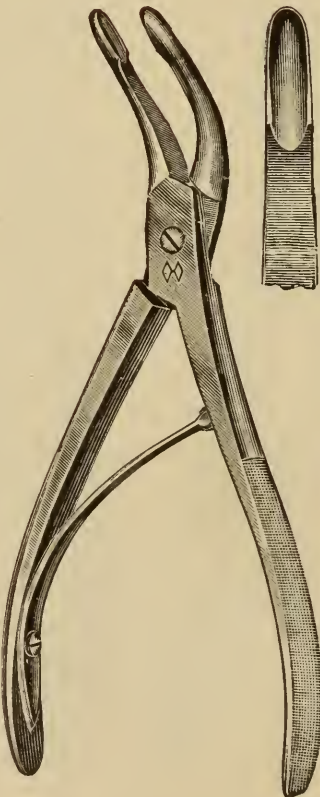


B-1147

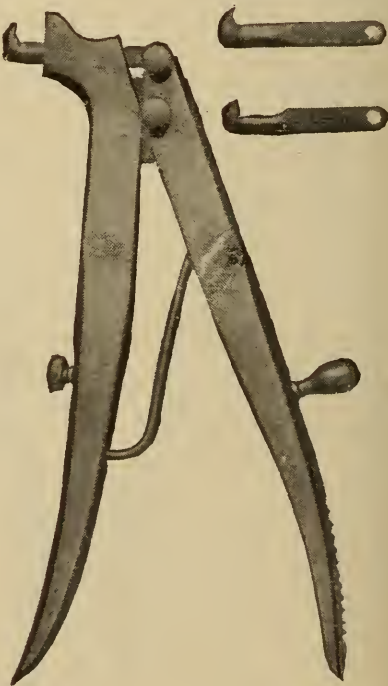


CUT, NATURAL SIZE

B-1127



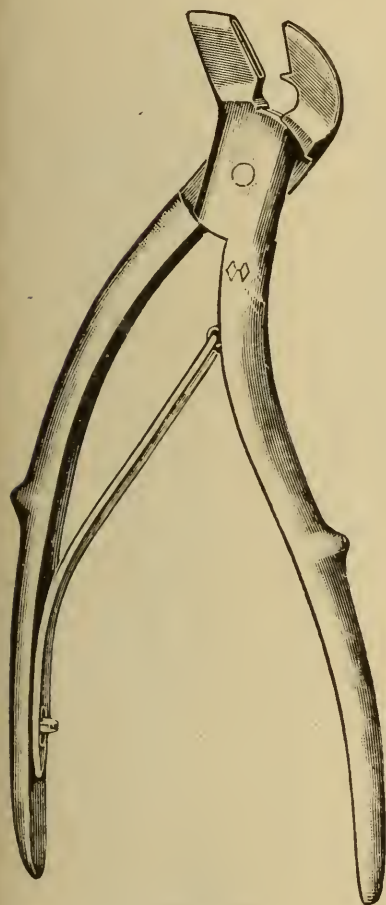
B-1162



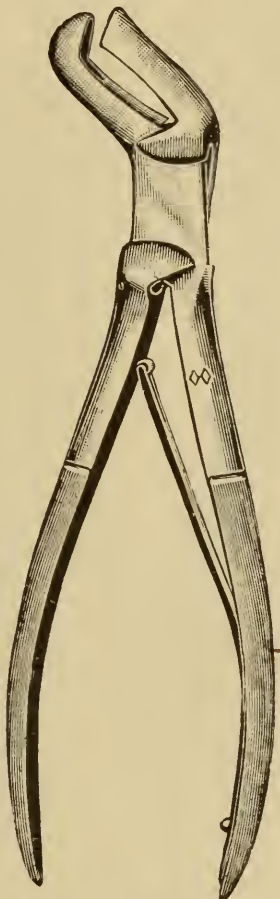
B-1140



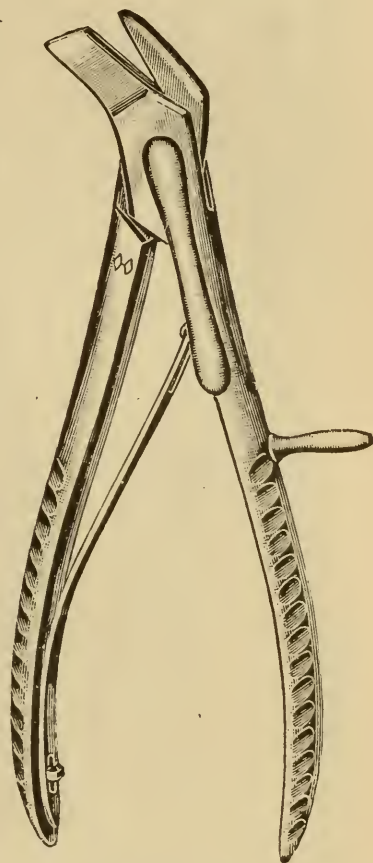
## BONE INSTRUMENTS



B-1159



B-1167

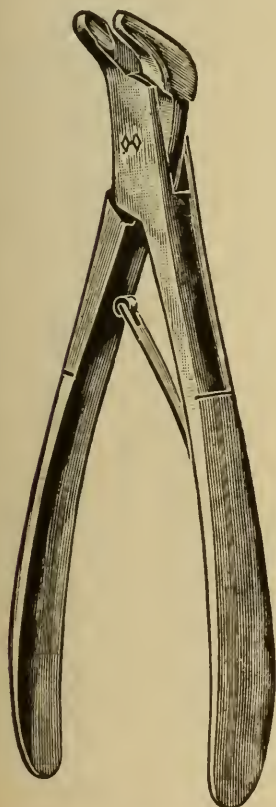


B-1155

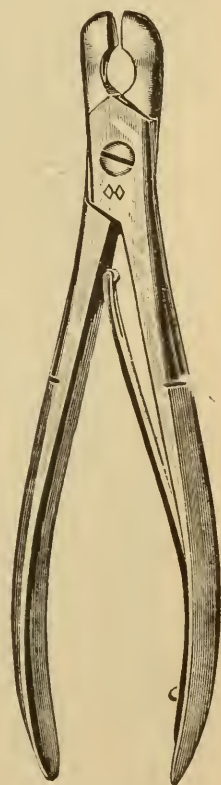
## BONE GOUGING FORCEPS

B-1127	Bane's mastoid .....	\$4.50
B-1130	Darby's .....	4.25
B-1140	DeVilbiss', cranial .....	8.00
B-1147	Hartman's, curved, mastoid....	5.00
B-1155	Hoffman's, angular.....	4.75
*B-1157	Hopkin's, cranial and spinal...	4.25
*B-1158	Hudson's, cranial (send for special circular) .....	18.00
*B-1161	Jansen's, mastoid .....	4.50
B-1159	Keen's, cranial and spinal....	5.00
B-1162	Lucae's, mastoid.....	4.75
B-1160	Luer's, straight.....	3.50
B-1165	Luer's, curved on flat (handle and spring similar to B-1160) .....	3.75
B-1167	Lombard's, bayonet shape....	7.75
B-1168	Pierce's, mastoid.....	5.25
*B-1170	Stille's, cranial.....	5.25
B-1172	Whiting's, mastoid.....	4.50

Note.—Special patterns of Bone Forceps made to order.

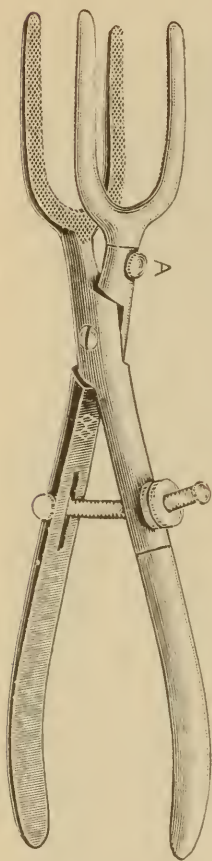


B-1168

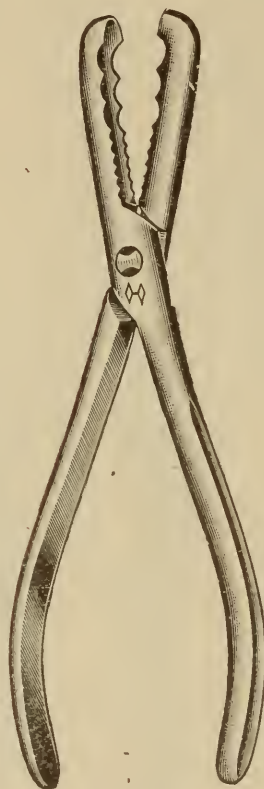


B-1172

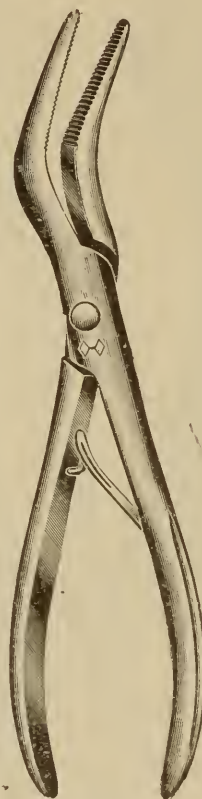
## BONE INSTRUMENTS



B-1179



B-1174



B-1195



B-1175



B-1190



B-1188



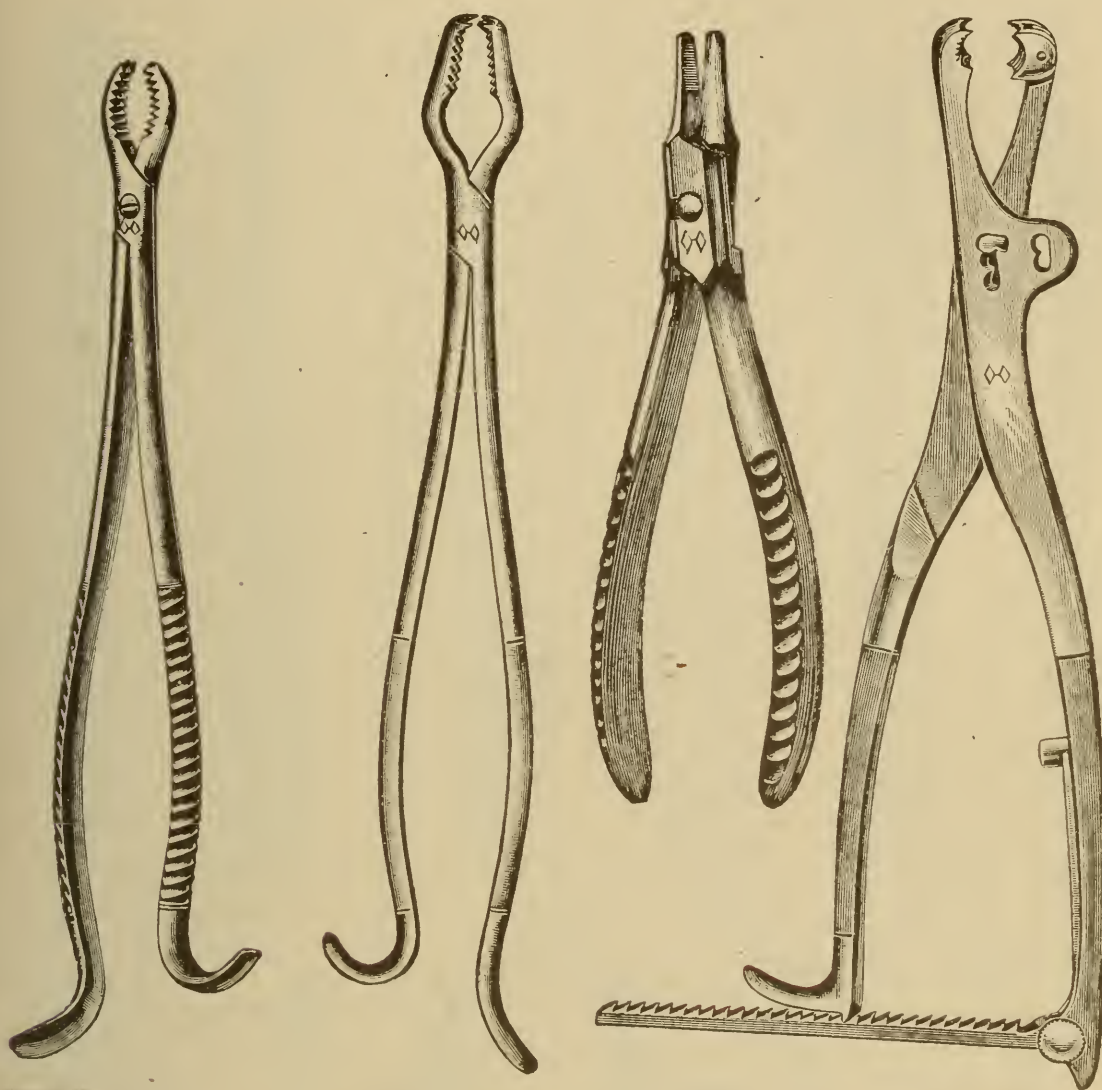
B-1191



B-1173



## BONE INSTRUMENTS



B-1181

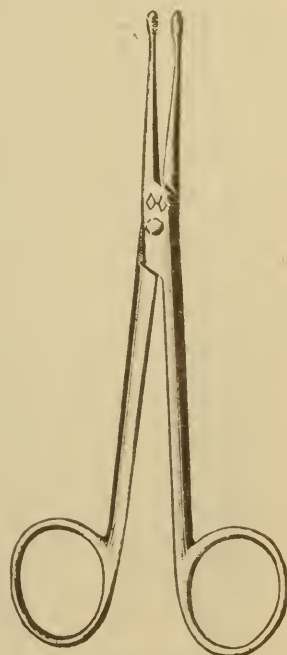
B-1186

B-1200

B-1182-1184

## BONE HOLDING FORCEPS

B-1173	Farabeuf's double articulation .....	\$ 4.50
B-1175	Ferguson's, lion jaw.....	3.00
B-1174	Forwood's, bone holding and gouging (U. S. A. pattern) .....	3.75
*B-1176	Hamilton's, with ring handles.....	3.00
*B-1177	Hamilton's, heavy .....	4.25
*B-1178	James', angular, for holding bone plate and bone at same time.....	7.50
B-1179	James', straight, for holding bone plate and bone at same time.....	7.50
B-1182	Lambotte's, small, 8¾ inch.....	9.00
B-1183	Lambotte's, medium, 10¾ inch.....	11.50
B-1184	Lambotte's, large, 12¾ inch.....	13.75
B-1181	Lane's, original model, 12 inch.....	5.75
B-1186	Lane's, improved model, 12 inch, \$5.75; 17½ inch .....	9.00
B-1187	Lister's, spiculae, for picking up bone fragments .....	1.50
B-1188	Mathieu's, straight, sequestrum .....	3.50
*B-1189	Mathieu's, curved on edge, sequestrum.....	4.25
B-1191	Mathieu's, angled on edge, sequestrum.....	5.00
*B-1185	Plain, straight, sequestrum .....	2.50
B-1190	Plain, curved on flat, sequestrum.....	2.65
B-1200	Post's, toe nail.....	2.25
B-1195	VanBuren's, bayonet shape, sequestrum.....	2.50



B-1187

BONE INSTRUMENTS



B-1248



B-1252



B-1240



B-1270



B-1265



B-1295



B-1260



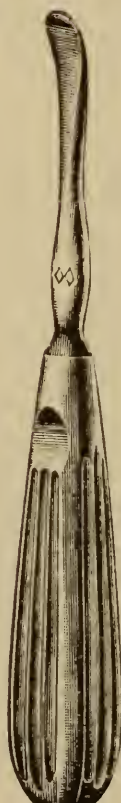
B-1261



B-1290



B-1255



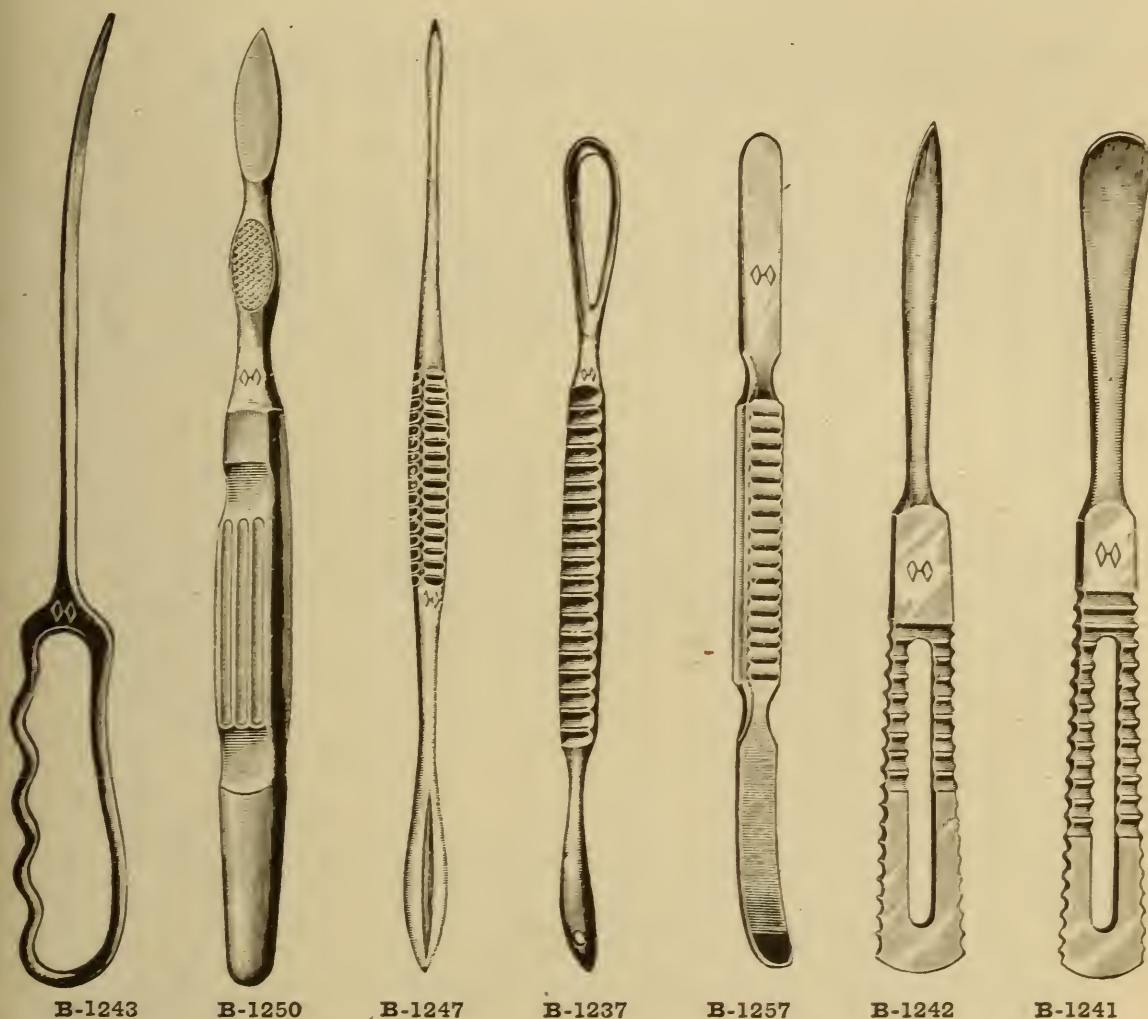
B-1245



B-1275



## BONE INSTRUMENTS



B-1243

B-1250

B-1247

B-1237

B-1257

B-1242

B-1241

## PERIOSTEAL ELEVATORS

B-1237	Adams', dry dissector, double.....	\$1.50
B-1240	Allis', dry dissector .....	.75
*B-1246	Cheyne's, double ended, elevator and dissector.....	1.00
B-1247	Durham's, double ended, elevator and dissector.....	1.35
B-1241	Lane's, detacher or elevator, broad.....	1.75
B-1242	Lane's detacher or elevator, narrow .....	1.75
B-1243	Lane's, detacher and dissector, sharp pointed.....	3.00
B-1245	Massachusetts General Hospital Pattern.....	1.75
B-1248	Plain, double ended .....	1.00
B-1252	Plain, with raspatory .....	.75
B-1250	Sand's, with scalpel.....	2.00
B-1255	Sayre's, double ended, blunt.....	1.10
B-1257	Watson-Cheyne's, double ended dissector.....	1.00

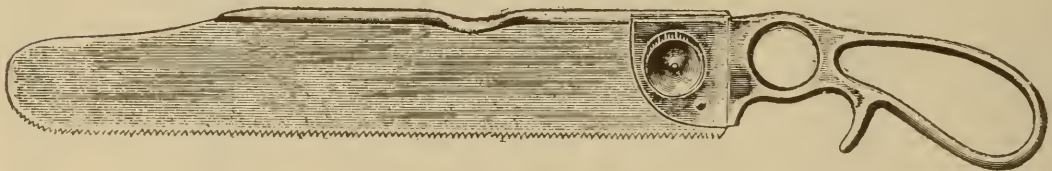
## RASPATORIES

B-1260	Doyen's, for costal periosteum.....	2.75
B-1261	Friedrich's, for costal periosteum, 3 sizes, each.....	2.25
B-1265	Langenbeck's, angular bent.....	1.35
B-1270	Langenbeck's, hook shape.....	1.35
B-1275	Mathieu's, straight, \$1.50; convex, \$1.60; concave.....	1.60
*B-1280	Ollier's, round .....	2.00
*B-1285	Ollier's, knife shape.....	2.00
B-1290	Sayre's, double ended, sharp.....	1.00
B-1295	Sedillot's .....	1.75

## BONE INSTRUMENTS



B-1325



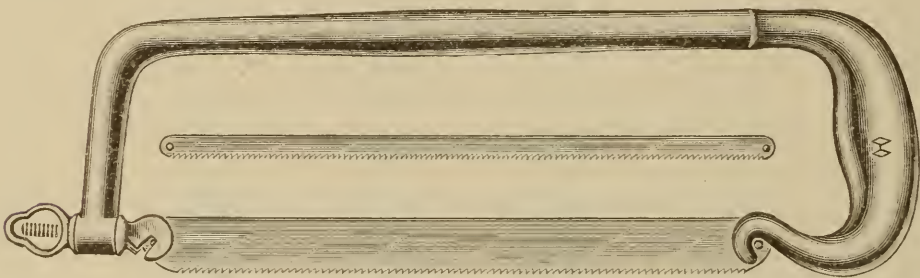
B-1300



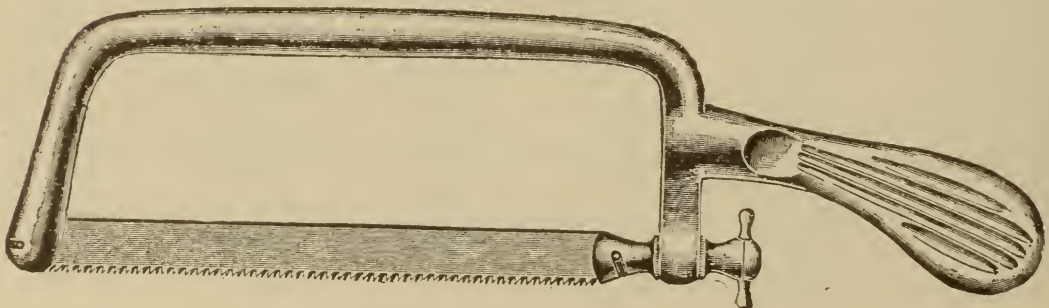
B-1320



B-1310



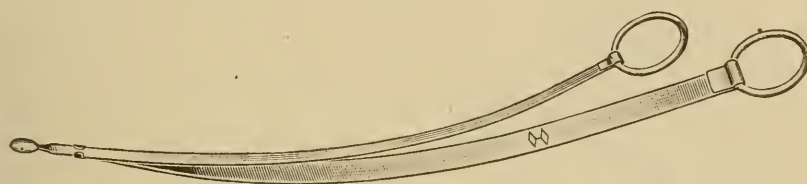
B-1317



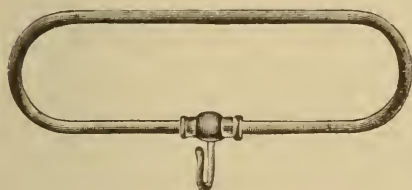
B-1305



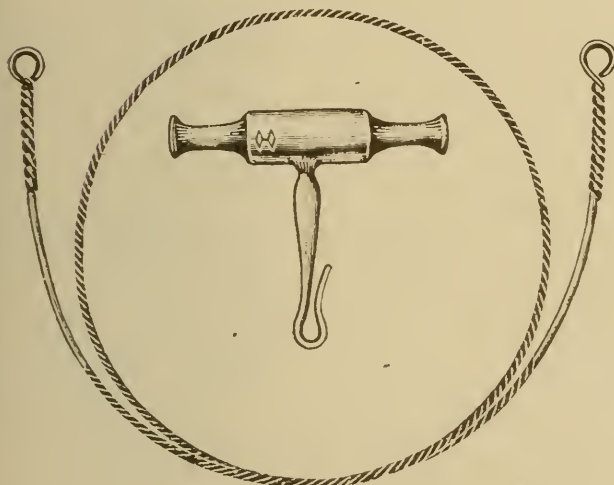
## BONE INSTRUMENTS



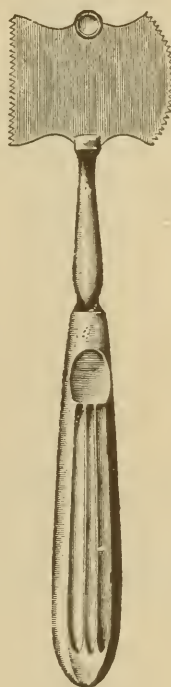
B-1362



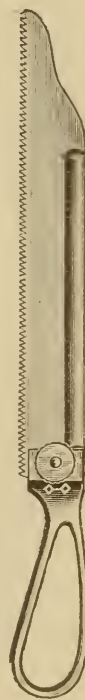
B-1355



B-1335-1350



B-1330



B-1322

## CAPITAL SAWS

B-1300	Charriere's, 6 in., \$2.25; 7 in., \$2.50; 8 in., \$2.75; 9½ in.....	\$3.00
B-1305	Charriere's, bow, with 2 blades.....	6.25
*B-1307	Dismounting, for compact operating cases.....	3.00
B-1310	Parker's .....	4.00
*B-1315	Reiner's, bow, American pattern.....	8.25
B-1320	Satterlee's .....	3.50
B-1317	U. S. Army, bow saw.....	5.00

## METACARPAL SAWS

B-1322	Charriere's, with lifting rack.....	2.00
B-1325	Langenbeck's, plain.....	1.75
*B-1326	Lente's, exsection, subcutaneous.....	1.75

## SKULL SAWS

*B-1327	Doyen's, with guard.....	8.75
B-1330	Hey's .....	2.00

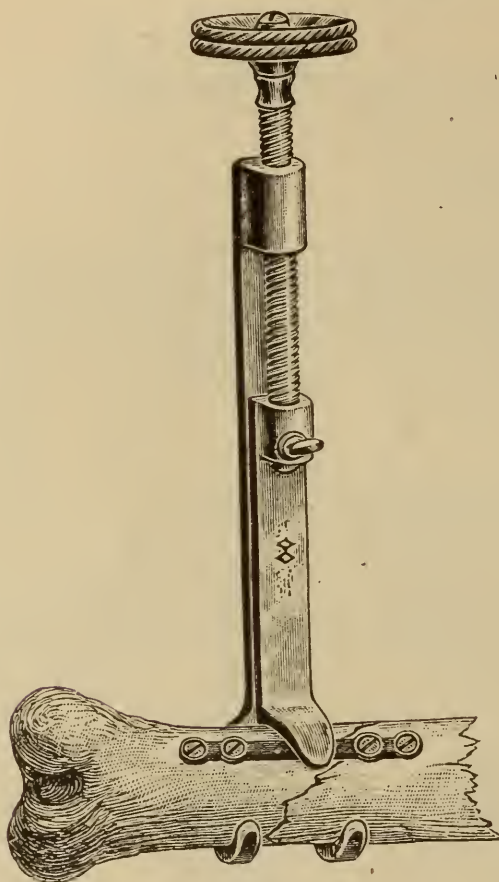
## WIRE SAWS AND HANDLES

B-1335	Gigli's, 12 inch.....	.25
B-1340	Gigli's, 20 inch.....	.40
B-1345	Gigli's, 30 inch.....	.50
B-1350	Handles, fine, per pair.....	1.00
B-1355	Handles, plain, per pair.....	1.25
*B-1360	Conductor, plain .....	.60
B-1361	Wire saw carrier, Schaefer's, cranial.....	2.25

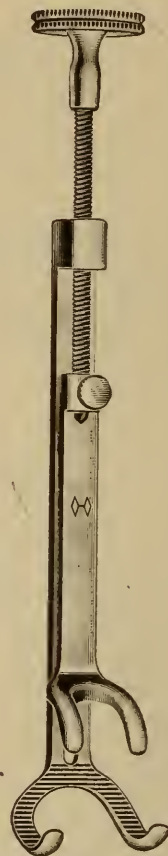
## CHAIN SAWS

*B-1365	Jeffrey's .....	7.75
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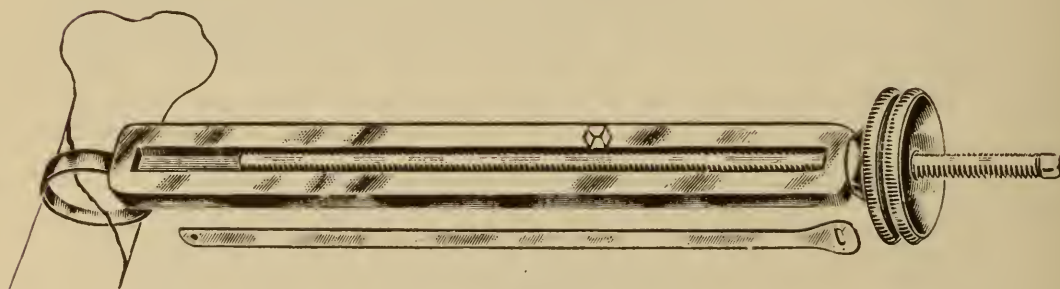
## BONE INSTRUMENTS



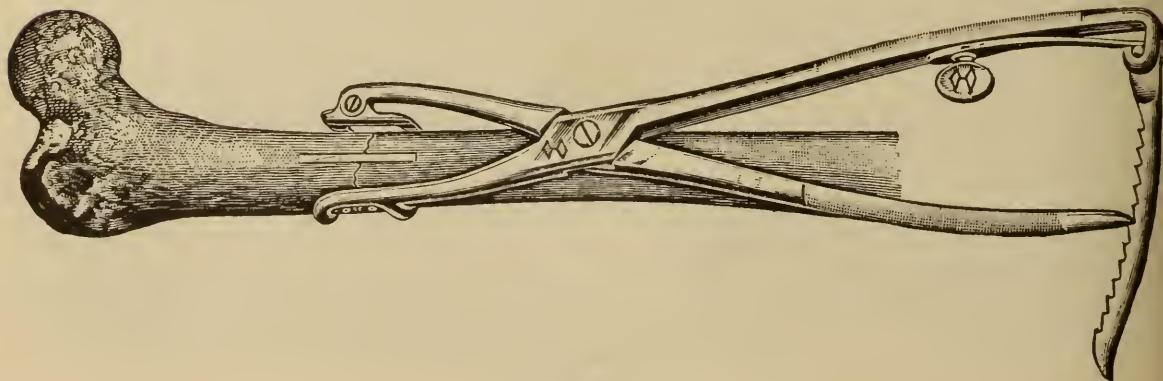
B-1384



B-1388



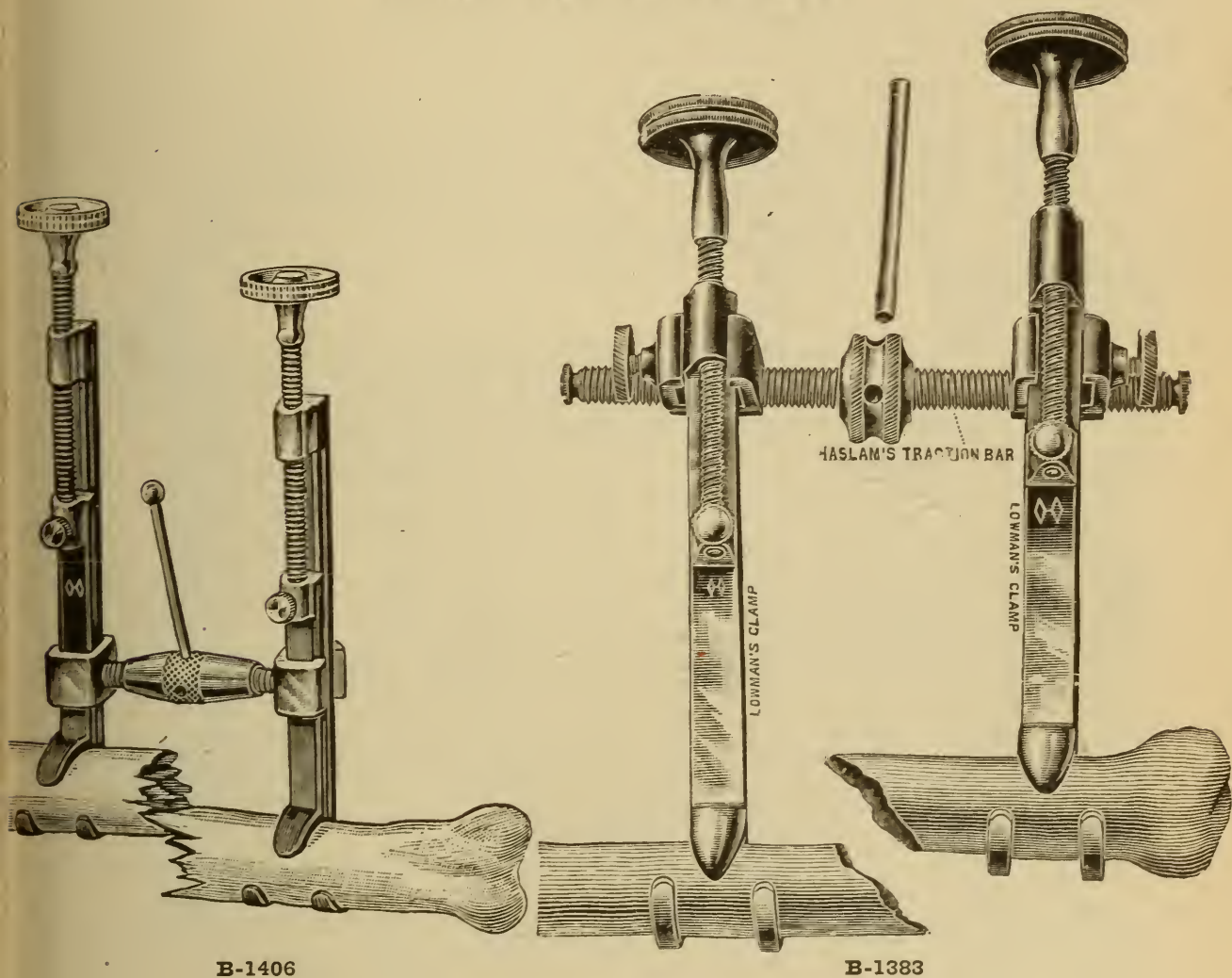
B-1404



B-1403



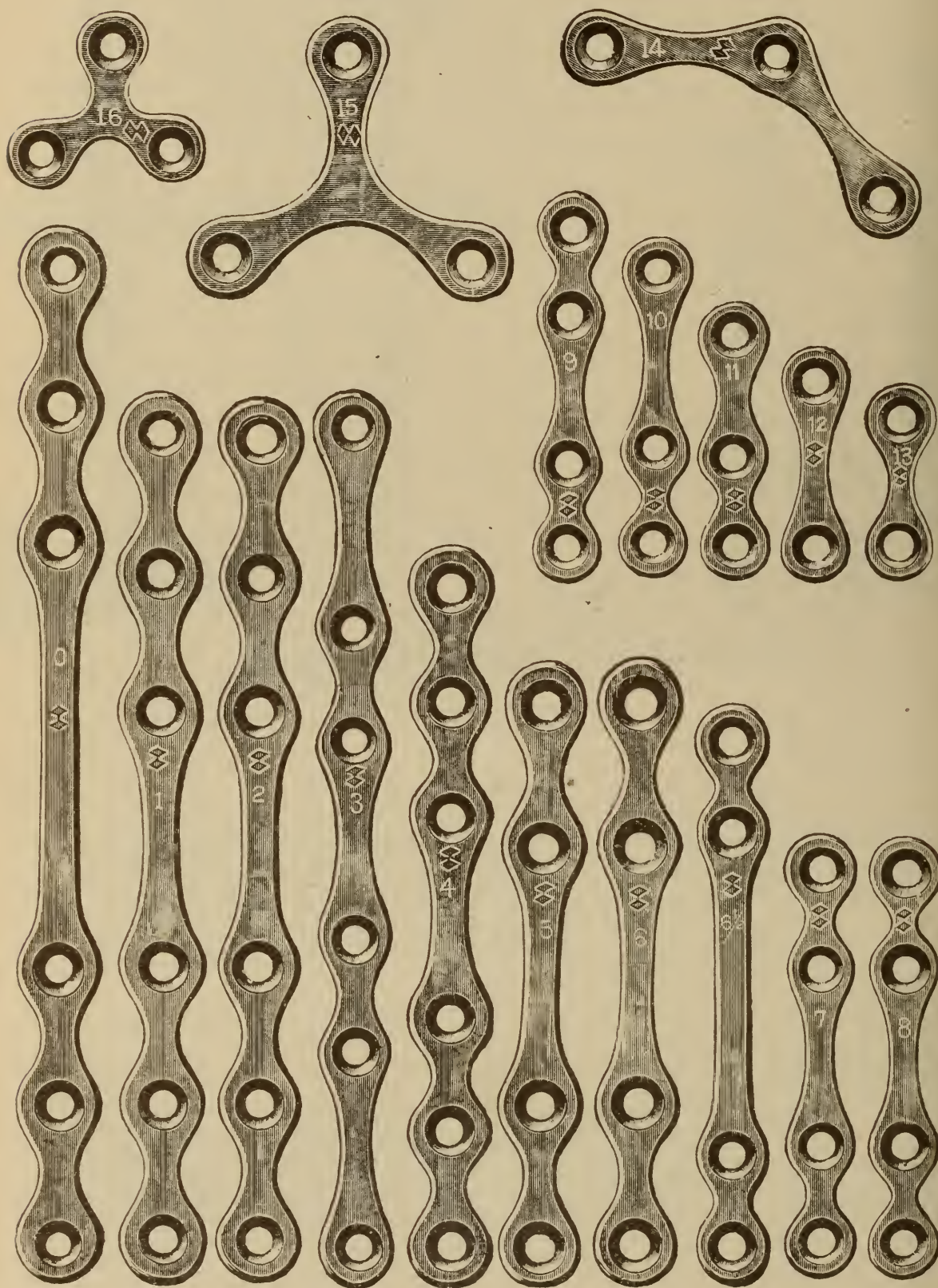
BONE INSTRUMENTS



BONE CLAMPS AND HOLDERS

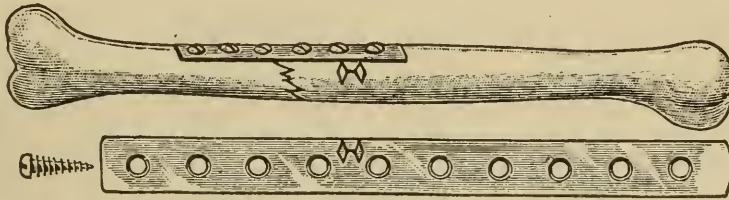
*B-1382	Bone Clamp, Parkhill's, silveroid, 3 sizes, each.....	\$ 7.50
B-1388	Bone Holder, Lambert-Lowman's, improved.....	7.50
B-1384	Hone Holder, Lowman's, 2 sizes, each.....	7.50
It holds the fracture in closest apposition and, at the same time, holds firmly the plate awaiting the introduction of the screws. The instrument possesses the advantages of being easily applied, of destroying but very little of the periosteum, and of disturbing but little the surrounding tissues.		
*B-1402	Bone Holder, Schroeder's.....	37.50
For holding and bringing into alignment fractured bones of the extremities, for the purpose of applying bone plates, bone splints of absorbable material or human bone grafts.		
B-1403	Bone Holding Clamp, Magnusson's.....	15.00
This clamp is especially adapted for holding fractured ends of bones, while inserting ivory plates or bone grafts. Has adjustable jaw, therefore will accommodate any of the long bones.		
B-1404	Bone Holder, Parham and Martin's.....	7.50
Extra metal bands.....		.35
This device is especially useful in the treatment of oblique fractures, where the bones have a tendency to over-ride. The metal band is passed around the bone, the knurled screw turned and the band drawn as tight as desired, after which it is bent, turned and cut off.		
B-1406	Turnbuckle, Gerster's (price does not include bone holders).....	4.75
B-1383	Turnbuckle, Haslam's (price does not include bone holders).....	4.75
Designed for the purpose of bringing into apposition over-riding bones; used in connection with two pairs of Lowman's clamps.		

## BONE INSTRUMENTS

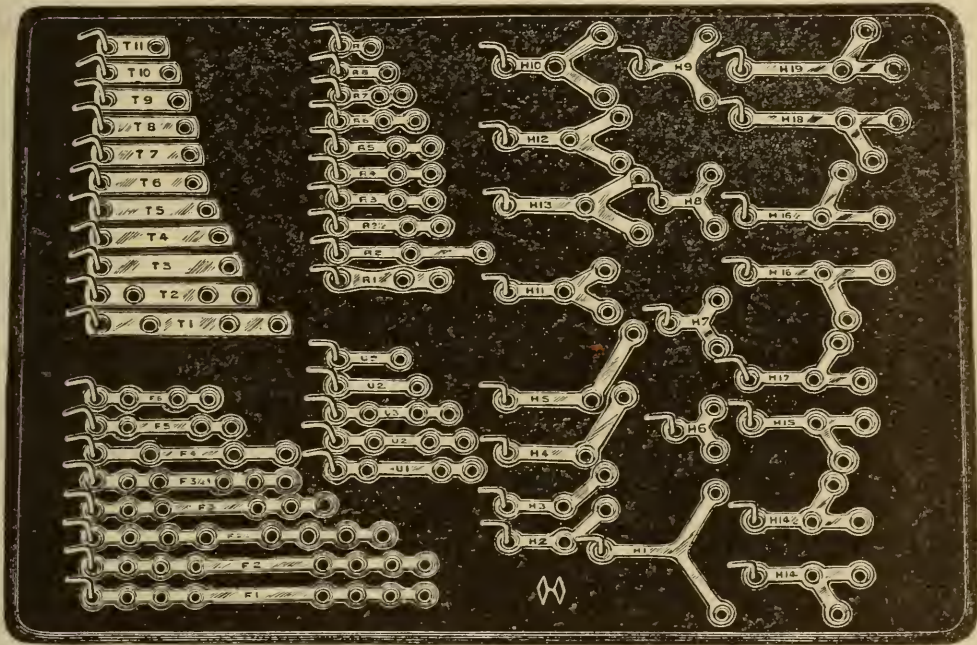




## BONE INSTRUMENTS



B-1387



B-1386-A, B, C and D



B-1388-1389

## BONE PLATES

## Lane's Vanadium Steel Bone Plates

B-1386	Femur, F, Nos. 1 to 6, each.....	\$0.60
B-1386A	Radius, R, Nos. 1 to 9, each.....	.60
B-1386B	Ulna, U, Nos. 1 to 5, each.....	.60
B-1386C	Tibia, T, Nos. 1 to 12, each.....	.50
B-1386D	Humerus, H, Nos. 1 to 19, each.....	1.00

Illustration shows plates one-third natural size, to be more exact, 35 per cent of natural size.

B-1387	Martin's silver, $\frac{1}{2} \times 2$ in., \$1.00; $\frac{1}{2} \times 3$ in., \$1.25; $\frac{5}{8} \times 2\frac{1}{2}$ in., \$1.25; $\frac{5}{8} \times 3\frac{1}{2}$ in., \$1.50; $\frac{1}{2} \times 3$ in., \$1.50; $\frac{1}{2} \times 4$ in.....	1.75
B-1388	Mayo's, silver plated, 12 inches.....	1.75
B-1389	Mayo's, German silver, 12 inches.....	1.50

## Sherman's Vanadium Steel Bone Plates

B-1402	Sherman's, blued Vanadium steel—	
	Nos. 0, 1, 2, 3, 4, 5, 6, $6\frac{1}{2}$ , 14, 15 and 16, each.....	1.00
	Nos. 7, 8, 9, 10, 11, 12 and 13, each.....	.75
	Complete set of 18 pieces.....	13.50

Illustrations are full size.

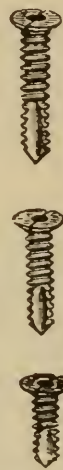
BONE INSTRUMENTS



B-1370



B-1411



B-1412



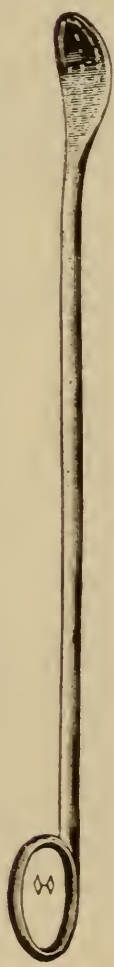
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B-1408



B-1421



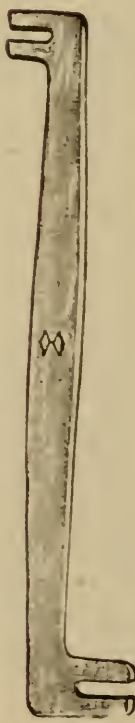
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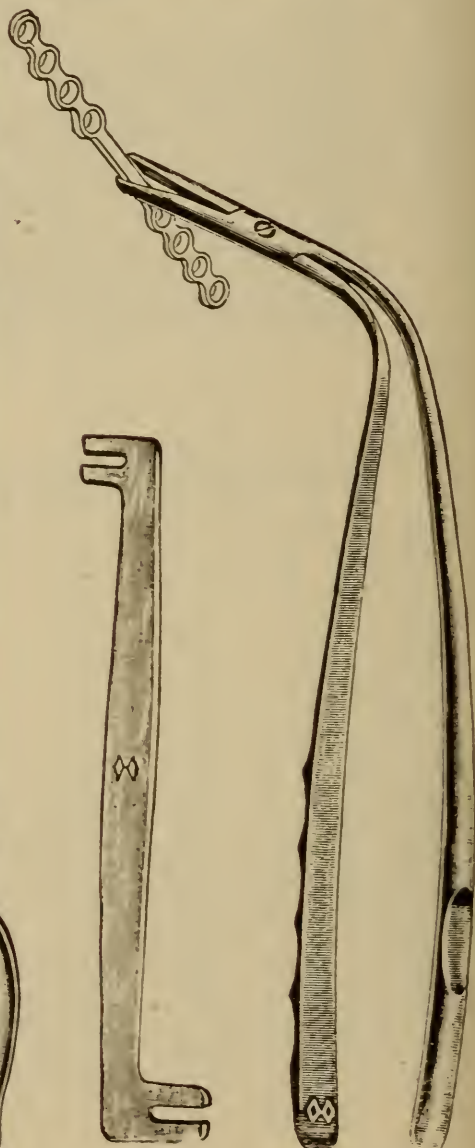
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B-1406



B-1424



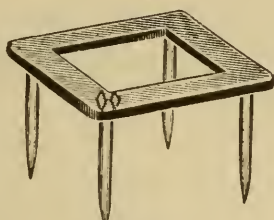
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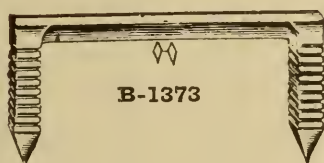
## BONE INSTRUMENTS



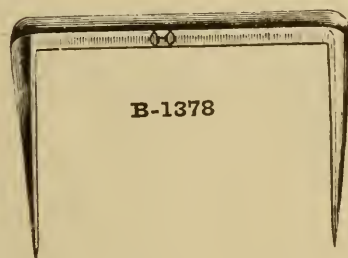
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B-1377



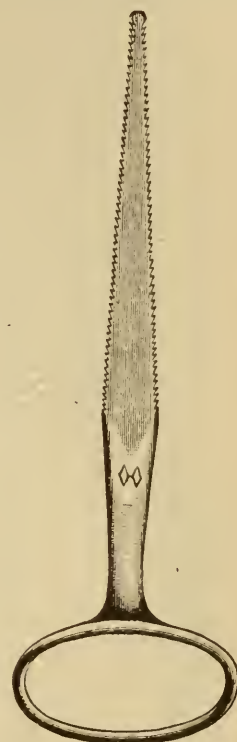
B-1373



B-1378



B-1397

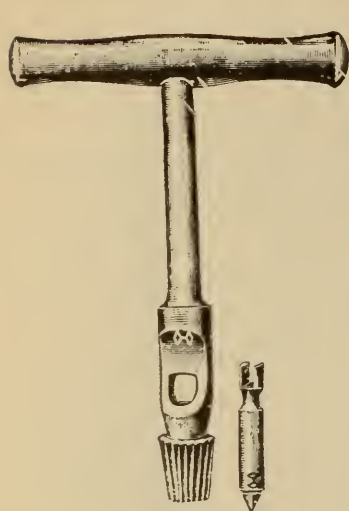


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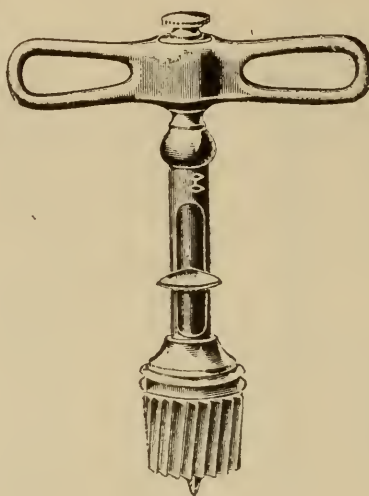
## BONE ELEVATORS, SCREWS, SPIKES, ETC.

B-1244	Bone Elevator and Retractor, Lane's, ring handle.....	\$2.50
B-1246	Bone Elevator and Retractor, Lane's, improved .....	3.25
B-1403	Bone Extension Instrument, Lane's.....	3.00
B-1404	Bone Plate Holding Forceps, Lane's.....	3.00
B-1406	Bone Skid, Murphy's, double ended.....	4.00
B-1407	Bone Skid, Scudder's, two sizes, each.....	2.50
B-1408	Bone Screws, Lambotte's, gold plated, 8 sizes, each.....	.60
*B-1409	Bone Screws, Lane's, silver plated, Nos. 3, 5 and 7, ½ and ⅝ in., dozen	.30
B-1411	Bone Screws, Mayo's, sterling silver, ⅜, ½, ⅝ and ¾ in., each.....	.70
B-1412	Bone Screws, Sherman's, Vanadium steel, ⅜, ½ and ⅝ in., dozen.....	1.65
B-1413	Bone Screws, Wood's, Vanadium steel, ⅜, ½ and ⅝ in., dozen.....	1.50
*B-1380	Bone Nails, ivory, each .....	.50
B-1370	Bone Nails, steel, each.....	.35
B-1373	Bone Spike, Jakael's, steel, 1⅜, 1½, 1⅝ and 1¾ in., each.....	.90
*B-1376	Bone Spike, Lambotte's, 3 prong, gold plated, each.....	.60
B-1377	Bone Spike, Lambotte's, 4 prong, gold plated, each.....	.70
B-1378	Bone Spike, Schede's, steel, 1⅜, 1⅝ and 2⅜ in., each.....	.75
B-1421	Screw Driver, Anderson's, to hold and drive the screw.....	3.00
B-1397	Screw Driver, Lane's, solid octagon handle, heavy.....	1.75
*B-1423	Screw Driver, Lentz's, to hold and drive the screw.....	3.00
B-1424	Wrench, Lane's, for bending bone plates.....	1.00
*B-1399	Silver Wire for wiring bones, pure—	
	B. & S. Gauge.....No. 14	No. 16
	Price, per foot.....\$0.50	\$0.30
		No. 18
		No. 20
		\$0.25
		\$0.20

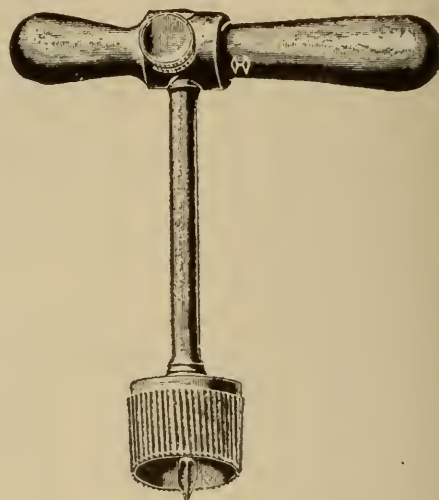
## BONE INSTRUMENTS—CRANIAL.



B-1405



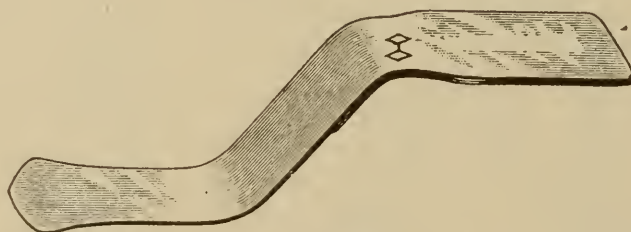
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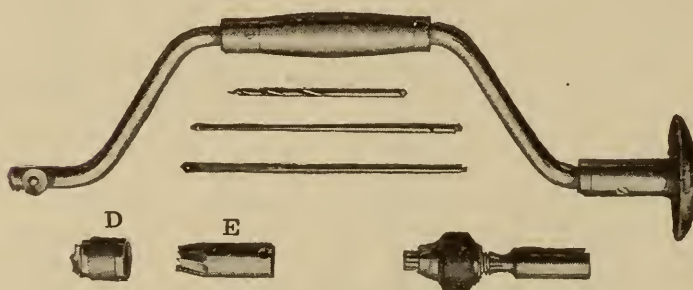
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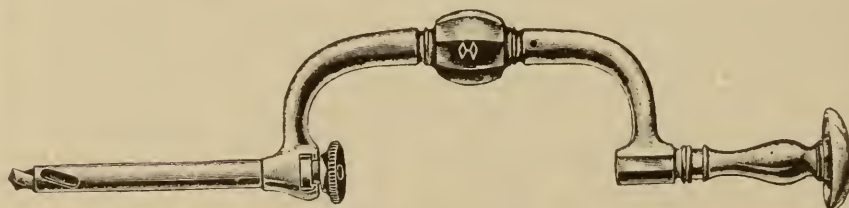
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B-1456



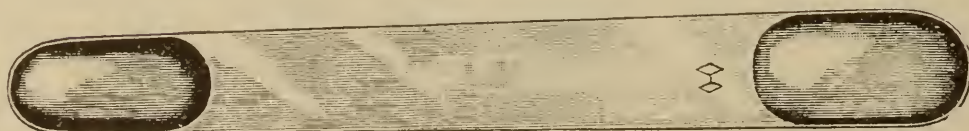
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B-1426



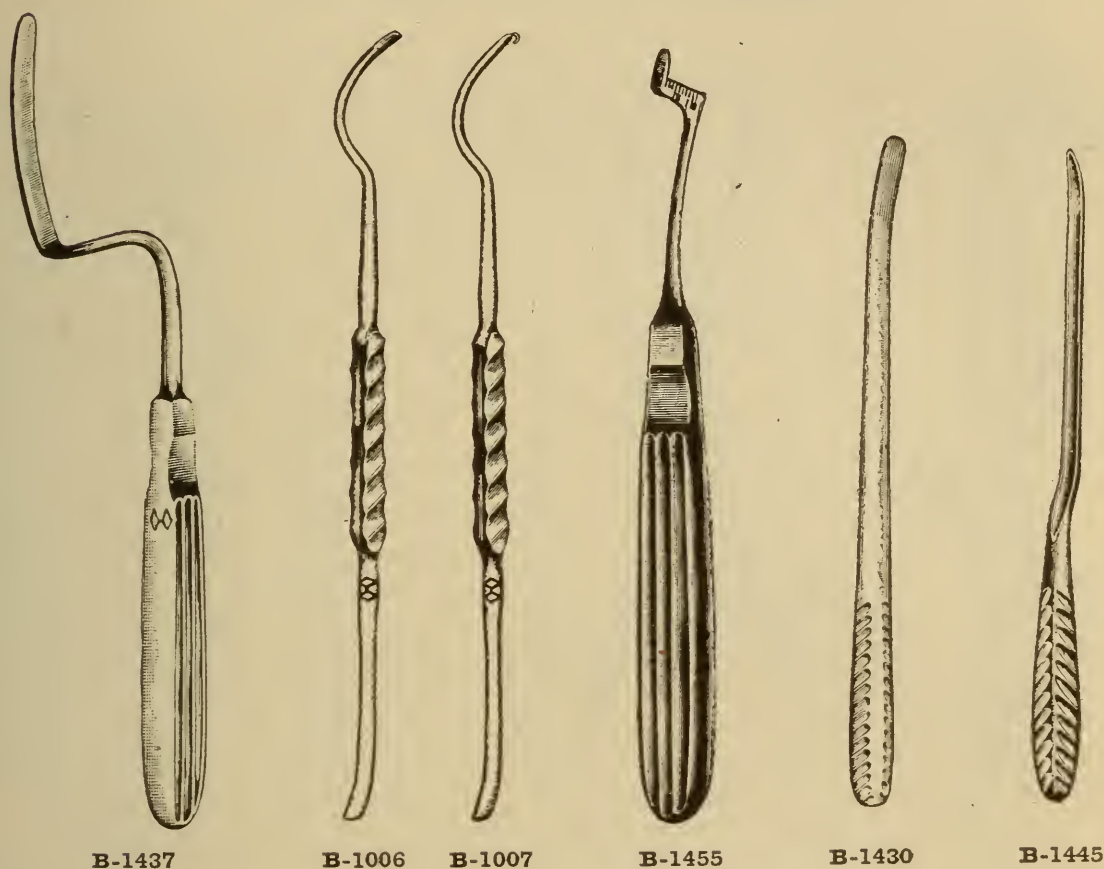
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B-1454



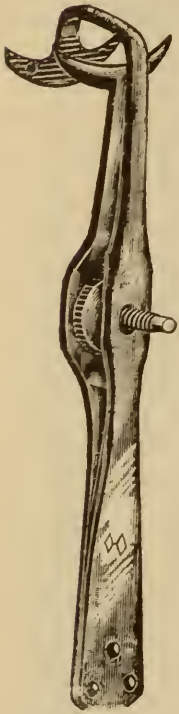
## BONE INSTRUMENTS—CRANIAL



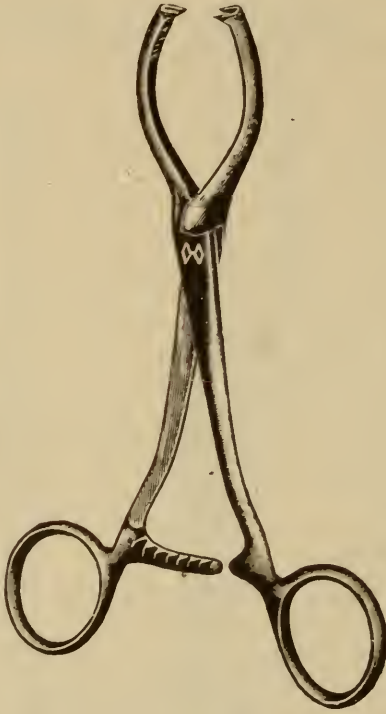
## CRANIAL INSTRUMENTS

*B-1395	Brush .....	\$ 0.75
B-1426	Drill, Carr's, for the cranium.....	9.00
B-1405	Trephine, DeVilbiss' .....	1.75
B-1427	Trephine, DeVilbiss', brace, with trephine, chuck and bone drills, complete .....	12.00
*B-1410	Trephine, Doyen's, brace, with 5 burrs.....	16.50
B-1415	Trephine, Galt's, 3 sizes, each.....	3.00
B-1420	Trephine, Robert's, 3 sizes, each.....	4.75
*B-1422	Trephine, Wood-Stellwagen's, with 1 knife blade and 3 saw blades; for osteoplastic resection of the skull.....	30.00
*B-1425	Tirefond, or Bone Screw, for lifting the plate.....	1.00
B-1428	Chisel, Chipault's, cranial, 3, 7 and 9 mm., each.....	2.85
B-1429	Chisel, Doyen's, cranial, 9 mm.....	3.50
B-1445	Director, Buchanan's.....	1.25
B-1430	Elevator, Buchanan's.....	.90
B-1006	Elevator, Hudson's, double ended.....	1.75
B-1007	Elevator, Hudson's, double ended, with saw carrier.....	2.00
*B-1401	Forcep, Abbee's, for bone fragments.....	1.75
B-1436	Gouge, Doyen's, cranial, 4 mm., for perforating cranium.....	4.00
B-1455	Mensurator, Doyen's .....	2.50
B-1437	Protector, Alexandre's, dura.....	2.25
B-1450	Separator, Horsley's .....	1.50
B-1454	Spatula, Cushing's, 3 sizes, 6¾, 7¾ and 11 inches, each.....	.90
B-1456	Spatula, Keen's, reinforced steel.....	2.00

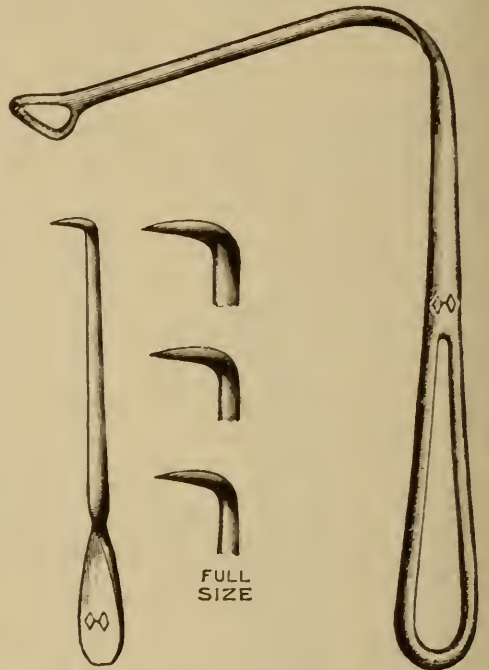
## CRANIAL INSTRUMENTS



B-1434



B-1442



B-1443

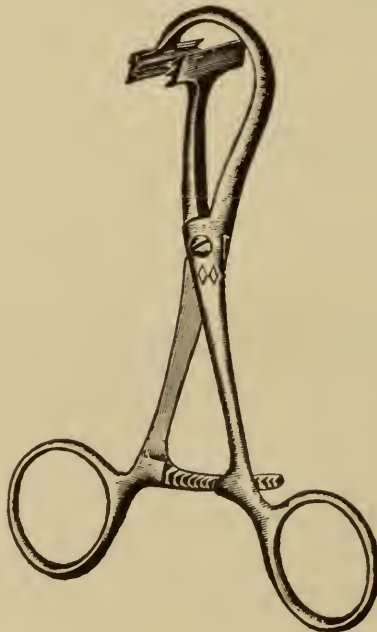
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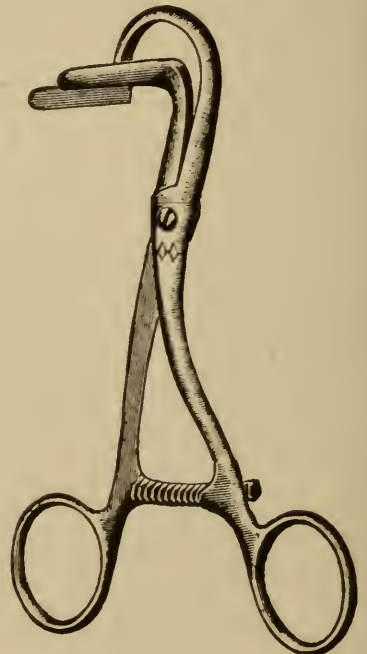
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B-1433



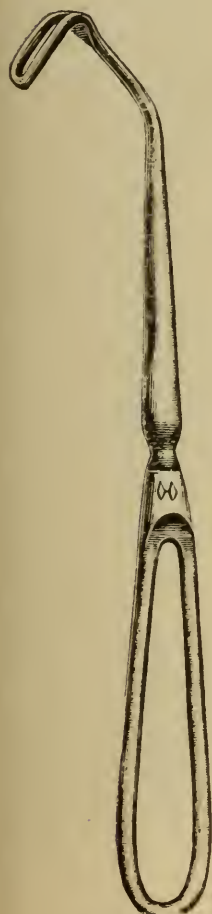
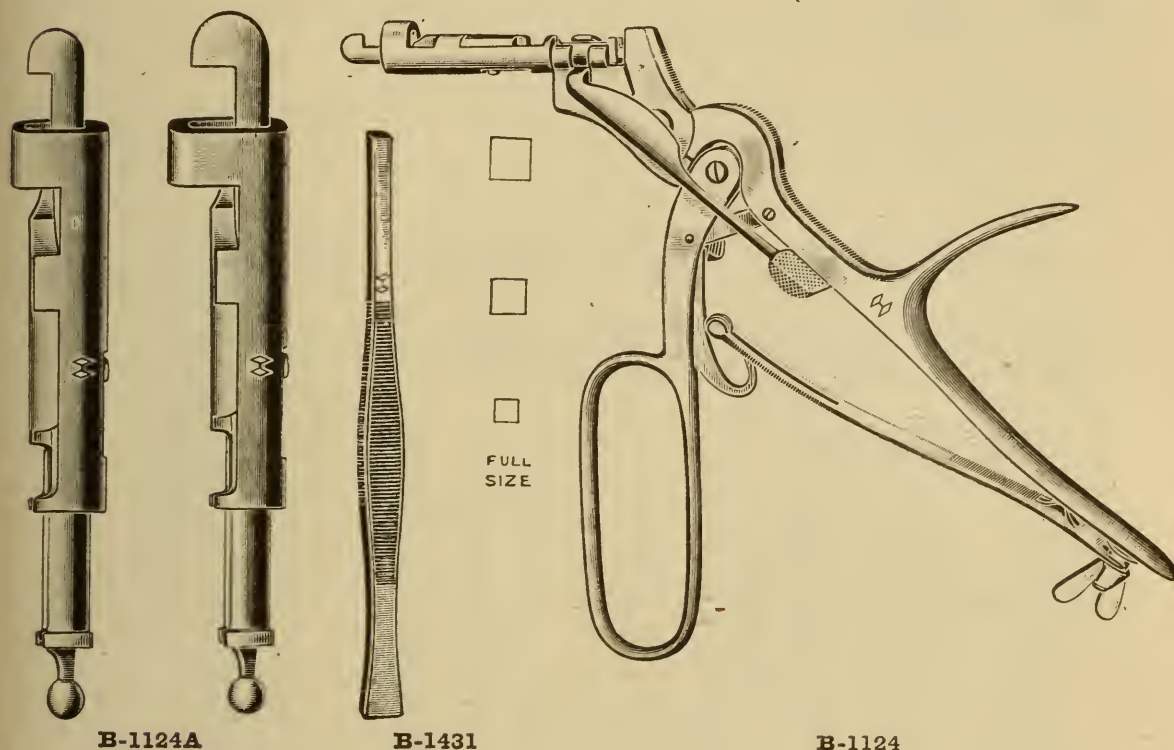
B-1438



B-1441



## CRANIAL INSTRUMENTS



B-1446

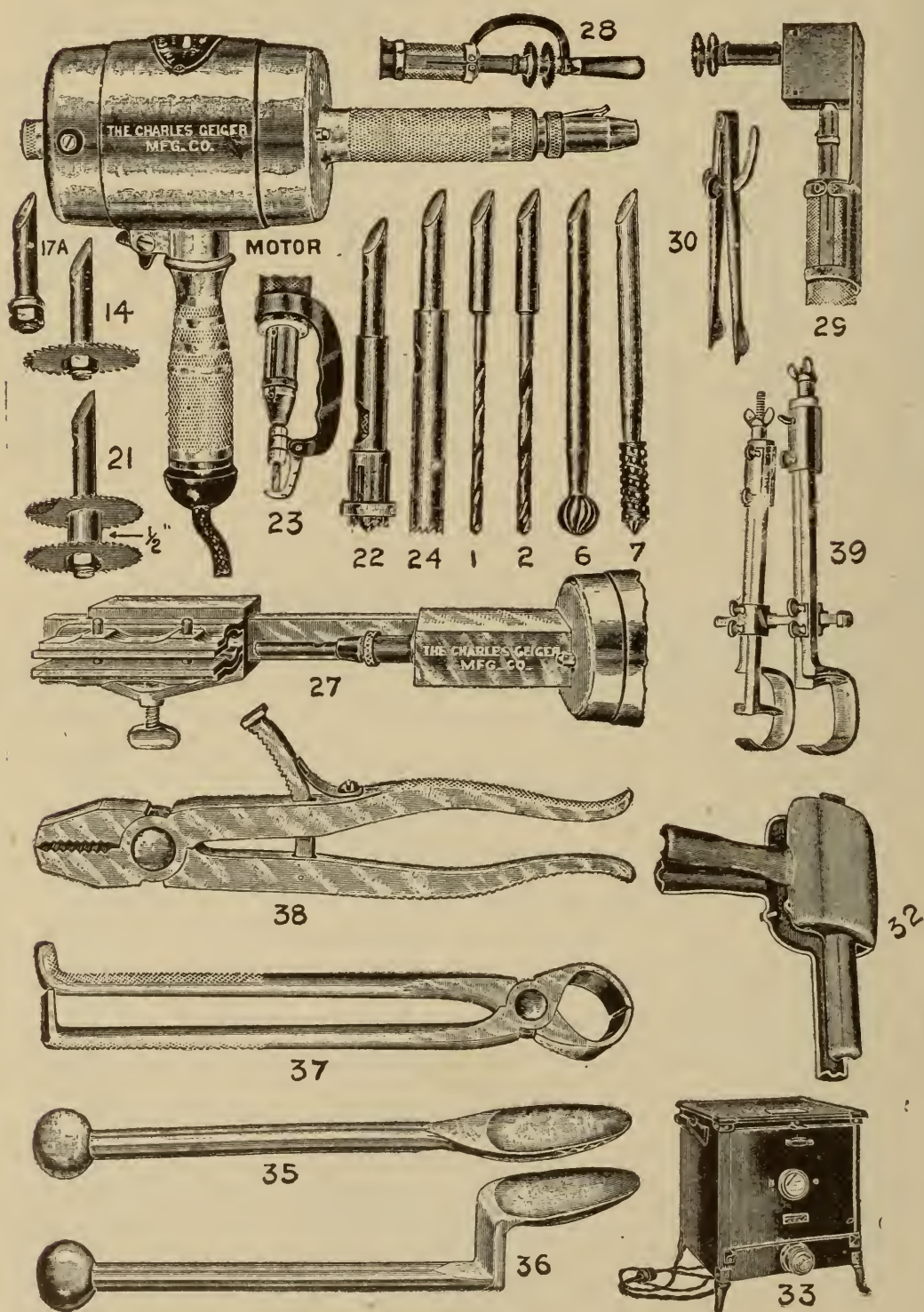
## CRANIAL INSTRUMENTS

B-1431	Chisel, Passow's, blunt, 3 sizes, for bone bleeding, each .....	\$ 1.10
B-1124	Forceps, Huber's, cranial cutting, with 1 cutter..	15.00
B-1124A	Forceps, Huber's, cranial cutting, with 2 cutters..	21.00
B-1124B	Forcep Handle, Huber's.....	10.50
B-1124C	Cutters, Huber's, 2 sizes, each.....	6.00
B-1433	Forceps, Blaisdell's, cranial haemostat.....	4.00
B-1434	Forceps, Carr's, cranial haemostat.....	4.00
B-1438	Forceps, Hoeve's, cranial haemostat.....	3.50
*B-1439	Forceps, Houzel's, cranial haemostat.....	2.75
B-1441	Forceps, Hudson's, cranial haemostat, $\frac{3}{4}$ and $1\frac{1}{4}$ in. jaws, each.....	3.75
B-1442	Forceps, Krause's, claw.....	2.75
B-1443	Hook, Krause's, for arresting hemorrhage, 3 sizes, each .....	.75
B-1444	Plate, Kredel's, pliable, 2 sizes, 2 and $2\frac{3}{4}$ in., each.	.60
B-1446	Retractor, Cushing's, brain.....	2.50
*B-1447	Spatula, Crile's, for arresting hemorrhage.....	1.50

## BONE INSTRUMENTS

## DR. CHAS. GEIGER'S ELECTRO-OPERATIVE SURGICAL BONE ENGINE AND ACCESSORIES

Used and Recommended by Dr. John B. Murphy, Dr. Fred H. Albee and Drs. W. T. and C. H. Mayo



For further details and price, write Dr. Charles Geiger, St. Joseph, Mo., U. S. A.



## BONE INSTRUMENTS

DR. CHARLES GEIGER'S ELECTRO-OPERATIVE SURGICAL BONE ENGINE AND  
ACCESSORIES

This set of instruments is especially made for bone transplantations, dowel making and cranial work. Water is not required to keep the cutters from burning the bone while using the Geiger Machine, because of the reduced speed, **250 revolutions per minute.**

## Points of Superiority

A few of the many advantages, not found in other motor bone engines, are: 1. Slow speed. 2. Great power. 3. Simplicity of chuck. 4. The firmness with which it can be held. 5. Motor is sterilizable by dry heat.

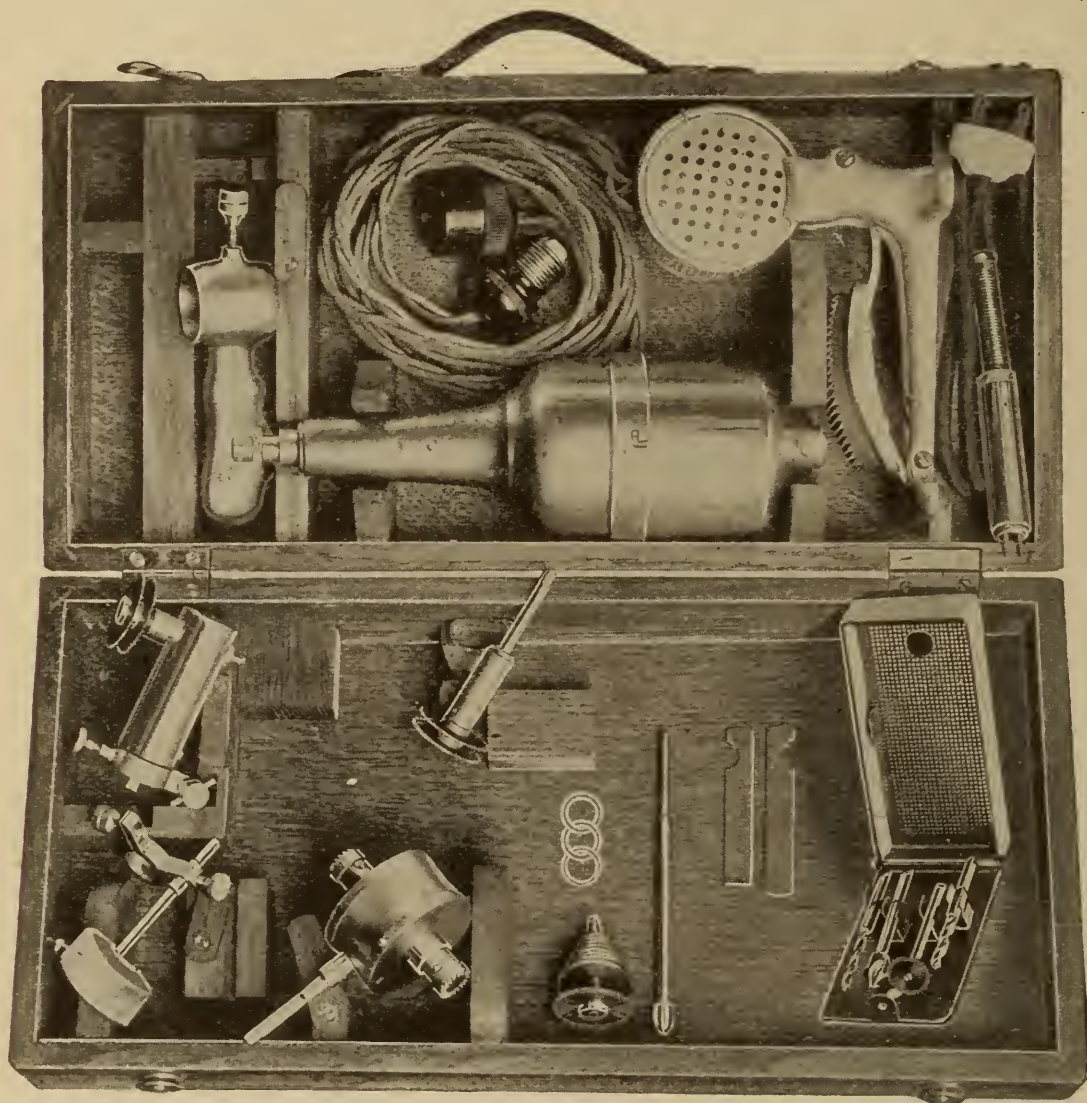
## PRICE LIST AND ORDER BLANK

Universal Motor, 60 cycle, 110 v., with sterilizable connecting cord.....	\$-92.00
Universal Motor with extra cycle or higher voltage.....	102.00
1 Drill, 5/64 in.....	1.25
2 Drill, 6/64 in.....	1.50
3 Drill, 1/8 in.....	1.75
4 Drill, 3/8 in.....	2.00
5 Drill, 3/8 in.....	3.00
6 "Cherry" Burr.....	3.50
7 Dr. Charles Geiger's Sharp Nose Burr.....	4.00
8 Saw with Mandrel, 1/2 in.....	2.25
9 Saw with Mandrel, 5/8 in.....	2.25
10 Saw with Mandrel, 6/8 in.....	2.25
11 Saw with Mandrel, 7/8 in.....	2.25
12 Saw with Mandrel, 1 in.....	2.50
13 Saw with Mandrel, 1 1/8 in.....	2.50
14 Saw with Mandrel, 1 1/4 in.....	2.50
15 Saw with Mandrel, 1 1/2 in.....	2.75
16 Saw with Mandrel, 1 3/4 in.....	2.75
17 Saw with Mandrel, 2 in.....	3.00
17A Mandrel for Saw.....	1.50
18 Dr. Charles Geiger's Twin Saws, 1 3/8 in.....	5.00
19 Dr. Charles Geiger's Twin Saws, 1 1/4 in.....	5.00
20 Dr. Charles Geiger's Twin Saws, 3/8 in.....	5.00
21 Dr. Charles Geiger's Twin Saws, 1/2 in.....	5.00
22 Dr. Charles Geiger's Trephine.....	12.00
23 Dr. Charles Geiger's Protected Burr or Skull Cutter with Hand Piece....	20.00
24 Dr. Charles Geiger's Dowel Shaper, 1/8 in.....	8.00
25 Dr. Charles Geiger's Dowel Shaper, 1/8 in.....	8.50
26 Dr. Charles Geiger's Dowel Shaper, 3/8 in.....	9.00
27 Dr. Charles Geiger's Lathe Attachment to Dowel Shapers.....	18.00
28 Dr. Charles Geiger's Extra Guide Handle for Twin or Single Saws.....	8.00
29 Dr. Charles Geiger's Right Angle Arm, with Gears, for all Cutters.....	22.00
30 Dr. Charles Geiger's Caliper Knife.....	6.00
31 Dr. Charles Geiger's Guards for Regulating depths of Saws (8).....	4.00
32 Dr. Charles Geiger's Sterilizable Aluminum Shell for Motor.....	18.00
33 Dr. Charles Geiger's Special Hot Air Sterilizer.....	18.00
34 Dr. Charles Geiger's Special Hot Air Sterilizer with thermostatic control.	34.00
35 Dr. Charles Geiger's Bone Elevating Spoon or Skid (straight).....	3.50
36 Dr. Charles Geiger's Bone Elevating Spoon or Skid.....	4.50
37 Dr. Charles Geiger's Bone Elevating Forcep.....	7.00
38 Dr. Charles Geiger's Bone Graft Retaining Forcep.....	10.00
39 Dr. Charles Geiger's Fracture Clamp.....	8.00
40 Handsome Carrying Case for Motor and Cutters.....	8.00

## BONE INSTRUMENTS

THE ALBEE ELECTRO-OPERATIVE BONE SET WITH HARTLEY-KENYON  
STERILIZABLE SHELL

Devised by Dr. Fred H. Albee, New York



## LIST OF PRICES

1	Complete Motor with Cords, sterilizable shell and handle.....	} \$125.00
2	Foot Rheostat .....	
3	Bone Reamer .....	
4	Small Saw with shaft and 8 sizes of disk stops for regulating the depth of the cut .....	
5	Twist Drill No. 32.....	
6	Sterilizer Case for Drills, Burrs, etc.....	
7	Set of Wrenches.....	
8	Carrying Case, polished oak.....	

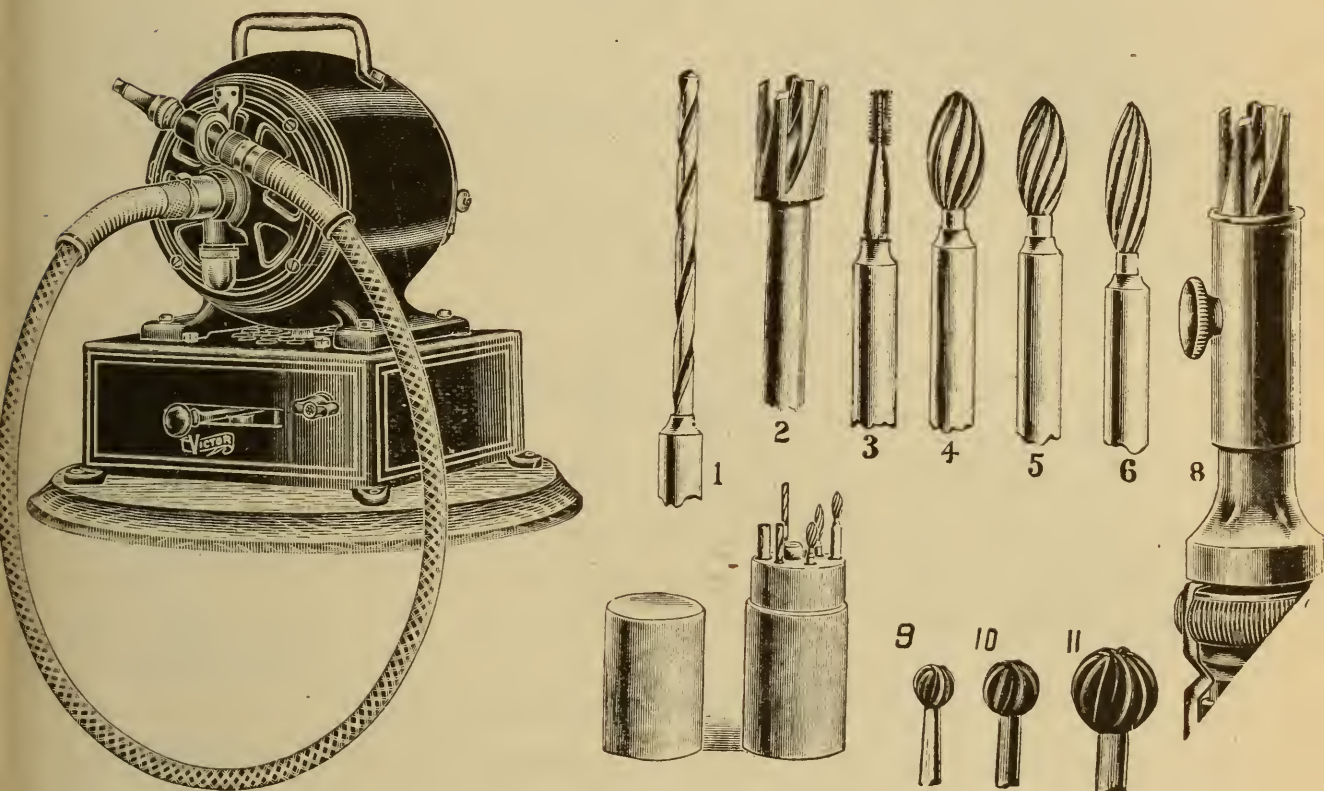
## ADDITIONAL INSTRUMENTS

9	Albee's Twin Saws, straight, mounted on adjustable mandrel for inlay graft or gutter, from $\frac{1}{8}$ in. to $\frac{5}{8}$ in.....	\$ 12.00
10	Albee's Dowel-Shaper with two sizes cutters and twist drill No. 15.....	30.00
11	Albee's Long Taper Burr Fraise for Femur.....	8.00
12	Albee's Twin Saws Angular, complete.....	30.00
13	Extra Small Saw for cross cut.....	2.50
14	Adjustable Guard with Spray.....	7.50
Complete set, comprising all the above.....		215.00
A Slow Speed Motor will be furnished upon request at an increased cost of \$10.00.		



## BONE INSTRUMENTS

## VICTOR BONE SURGERY ENGINE



## PRICES

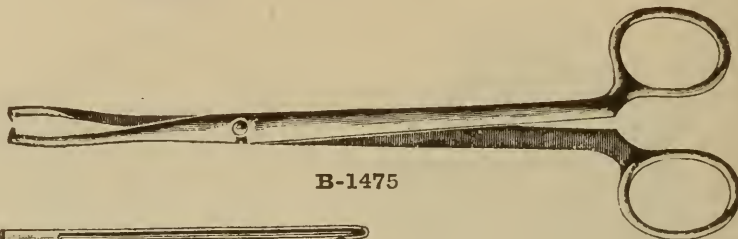
Price of engine complete for 110 volt 60 cycle alternating current, including new style handpiece and all cutters (but not including sawing instruments)	\$137.00
Price of engine complete as above for 110 volt direct current.....	127.00
Price of engine complete for 110 volt 60 cycle alternating current, including old style handpiece and all cutters (but not including sawing instrument)....	130.00
Price of engine complete as above for 110 volt direct current.....	120.00
Price of engine complete for 220 volt direct current with new style handpiece and cutters.....	132.00
Price of engine complete for 220 volt direct current with old style handpiece and all cutters.....	125.00
Price of engine for 110 volt 60 cycle alternating current, less cable, sheath, handpiece and cutters.....	72.00
Price of engine for 110 volt direct current, less cable, sheath, handpiece and cutters .....	62.00
Price of engine for 220 volt direct current, less sheath, cable, handpiece and all cutters .....	67.00
Improved handpiece, sheath and cable, without cutters.....	39.00
Old style handpiece, sheath and cable, without cutters.....	32.50
Magnuson's saws, complete.....	40.00
Zapffe's saws with guards, complete.....	27.00
Foot switch, for controlling engine.....	5.50

Note.—Write for Special Bone Surgery Equipment Bulletin, which gives complete description and illustrations.

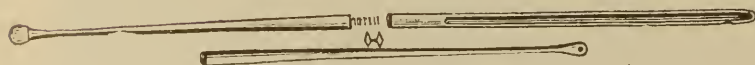
## BULLET INSTRUMENTS



B-1510



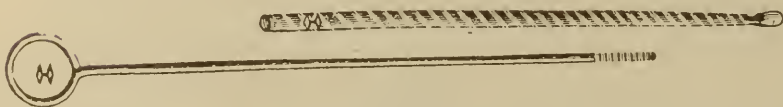
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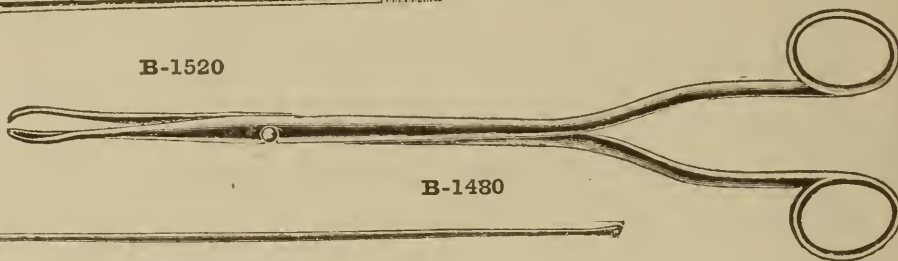
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B-1485



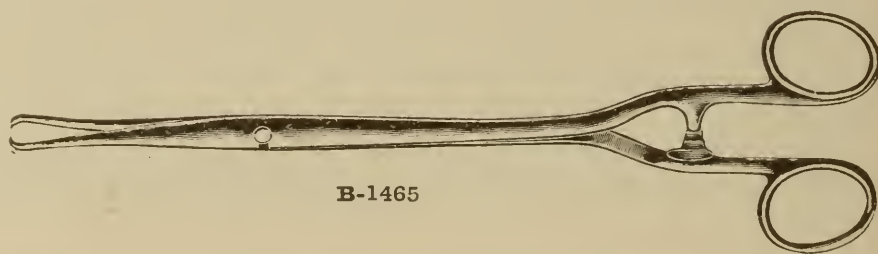
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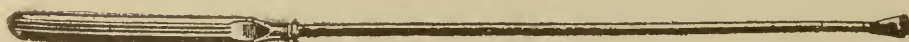
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B-1515



B-1465



B-1495



B-1490



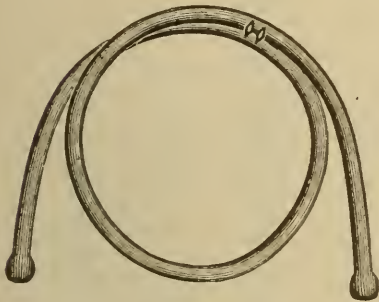
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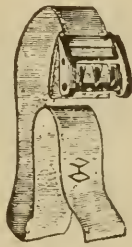
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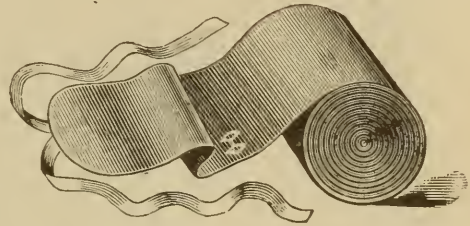
## BULLET INSTRUMENTS AND TOURNIQUETS



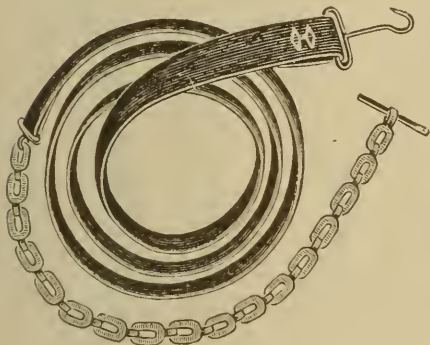
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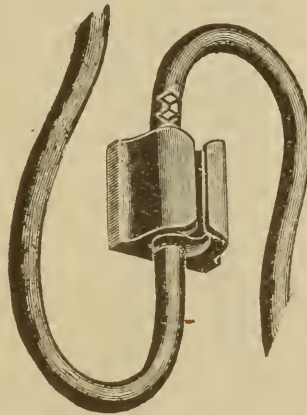
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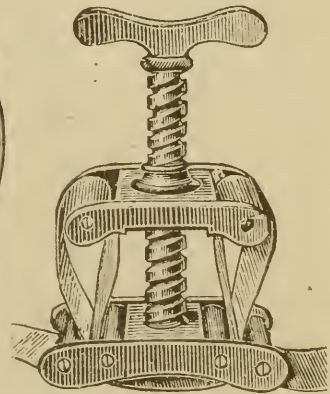
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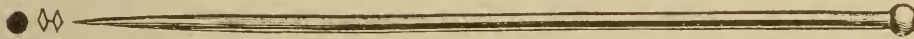
B-1535



B-1544



B-1550



B-1556

## BULLET FORCEPS

B-1465	Gross'	.....	\$1.85
*B-1467	Hamilton's	.....	3.00
B-1475	Senn's	.....	2.40
B-1480	Tiemann's, with catch.....		2.25
B-1485	U. S. Army Pattern.....		1.85

## BULLET PROBES

B-1490	Bulb, each end, all metal, plated, 8 in., \$0.50; 10 in., \$0.60; 12 in.....	\$0.75
B-1495	Burr Head .....	1.50
B-1500	Fluhrer's, aluminum .....	.90
B-1505	Hamilton's, with director.....	1.50
B-1510	Nelaton's, porcelain head, with handle.....	.60
B-1515	Nelaton's, double end.....	.75
B-1520	Spiral, flexible, jointed.....	1.00
B-1525	U. S. A. Pattern, silver, 8 in., \$1.25; 10 in., \$1.35; 12 in.....	1.50

## TOURNIQUETS

B-1535	Esmarch's, strap and chain.....	\$1.25
*B-1540	Esmarch's, strap and chain, with heavy pure gum bandage.....	3.50
B-1542	Esmarch's, bandage of heavy pure rubber, 10½ ft.....	2.50
B-1546	Field, U. S. A. style, complete with strap and buckle.....	1.25
*B-1543	Gradwohl's, for general and salvarsan work.....	1.25
B-1544	Instantaneous, with hard rubber clamp and solid rubber cord.....	.75
B-1550	Pettit's, spiral .....	2.50
B-1555	U. S. A. Pattern, 36 in. long, pure gum tubing.....	1.25
B-1556	Wyeth's, Transfixion Pins, round, \$0.90; oval.....	1.10

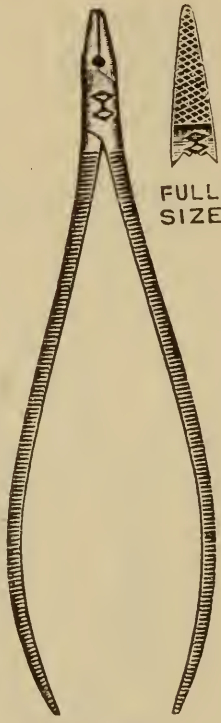
GENERAL OPERATING



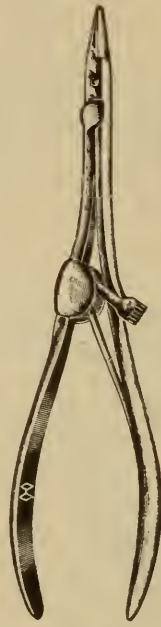
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B-1610



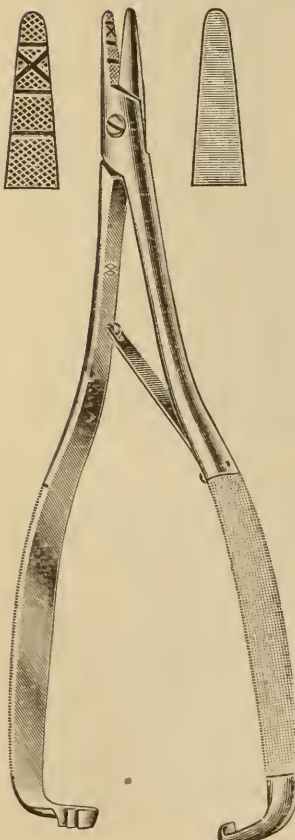
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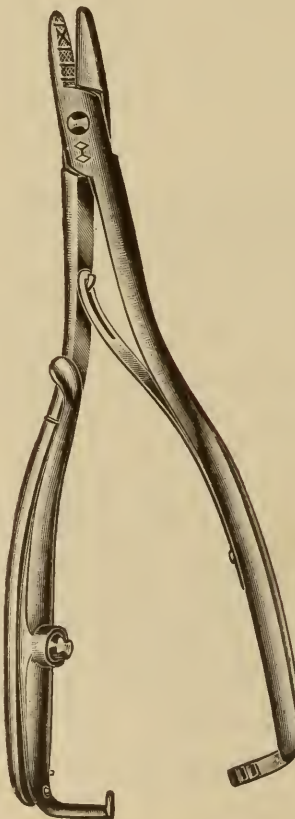
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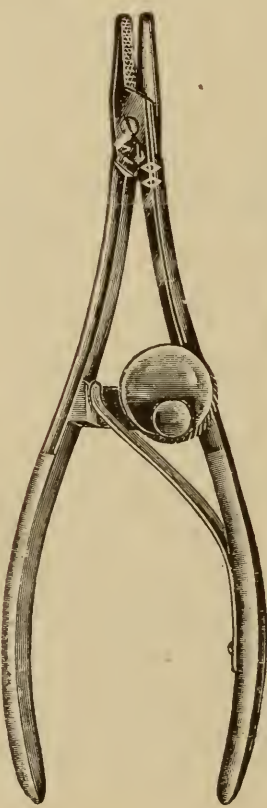
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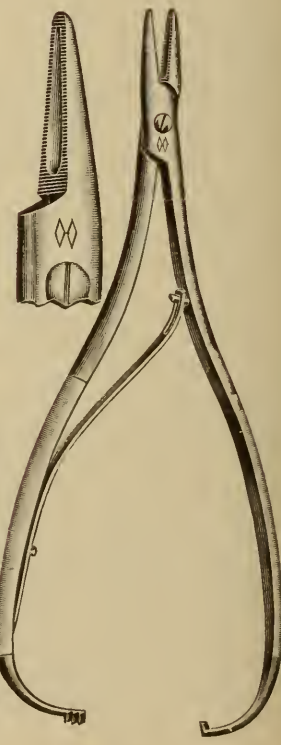
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B-1642



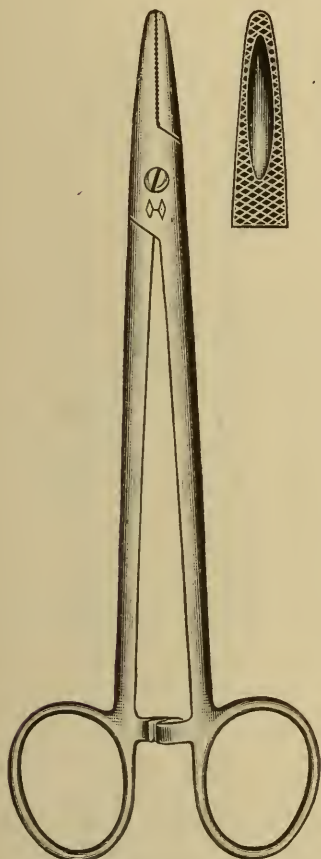
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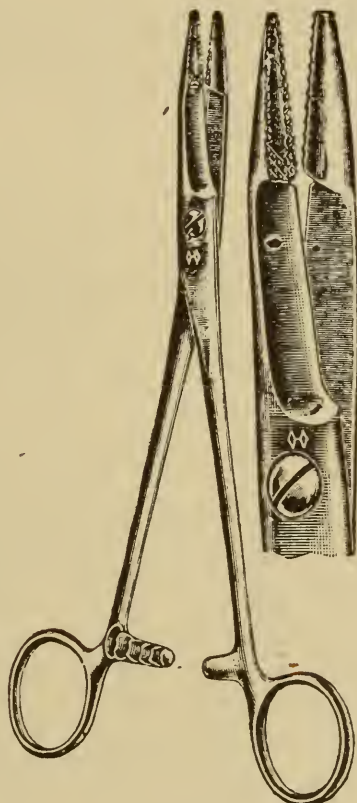
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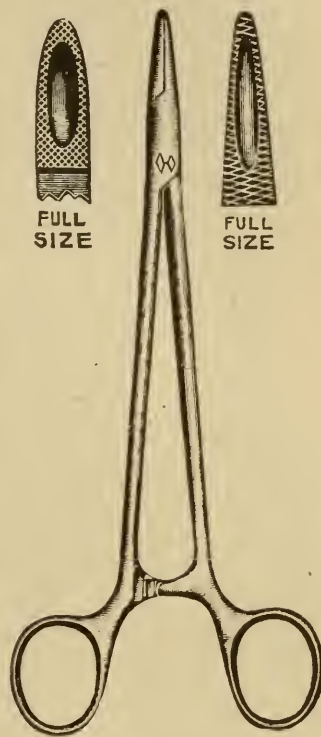
## GENERAL OPERATING



B-1585



B-1618



B-1608

## NEEDLE HOLDERS

B-1557 Brown's .....\$4.50

One of the most simple and durable needle holders made. It has no ratchet to get out of order; will not tear rubber gloves, catch thread or ligature; will hold any size of needle firmly; will not break needles; is perfectly noiseless; can be used with either hand; can be used as a needle holder or a needle forcep, which is a great advantage and saving of time, as three-fourths of the stitches can be taken better and much faster without using the catch.

B-1565 Crile's .....\$2.50

\*B-1582 Green's ..... 4.25

B-1585 Hegar's, with scissor handle, 6 in., \$2.50; 8 in. .... 3.00

\*B-1590 Langenback's, 6½ in., \$1.75; 8 in. .... 2.25

B-1595 Kelly-Miller's ..... 5.25

\*B-1605 Mathieu's, regular pattern, 4½ in., \$1.75; 5 in., \$1.75; 5½ in., \$2.00; 7 in., \$2.25; 7½ in., \$2.50; 8 in. .... 2.50

B-1607 Mathieu-Haslam's, improved pattern .... 2.50

B-1642 Mathieu-Richter, improved pattern, release catch, made with same style of handle as B-1635 ..... 4.50

B-1606 Mathieu-Stark's, Haslam pattern ..... 2.75

B-1608 Mayo-Hegar's, with box joint, narrow jaws, \$3.00; wide jaws ..... 2.85

\*B-1609 Mayo-Hegar's, with screw joint ..... 2.25

B-1610 McBurney's, 8 in. .... 3.25

B-1615 Murphy's, 10 in., narrow, pointed jaws.. 4.50

\*B-1617 Murphy's, 10 in., with release catch .... 5.00

B-1618 Olsen-Hegar's, needle holder and suture cutter ..... 3.50

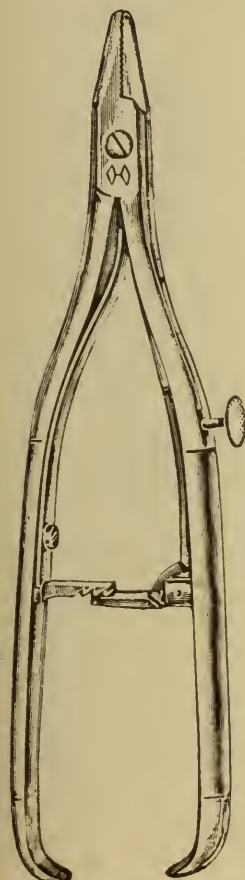
B-1620 Reiner's, with guard, to prevent the tearing of rubber gloves ..... 5.00

B-1621 Rochester, release catch, 6¾ in. .... 4.00

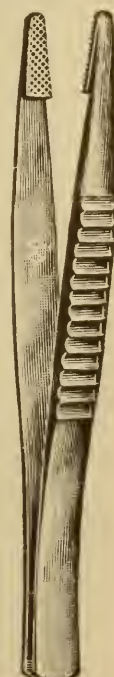
B-1623 Rochester, release catch, 7¾ in. .... 4.25

B-1624 Rochester, release catch, 9¼ in. .... 4.50

B-1622 Rochester Needle Pulling Forcep ..... 1.50

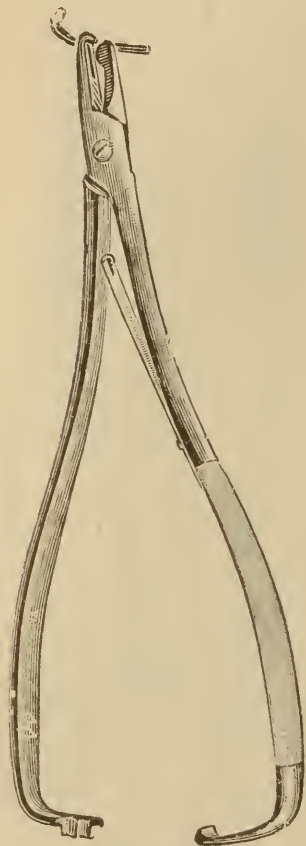


B-1621-23-24

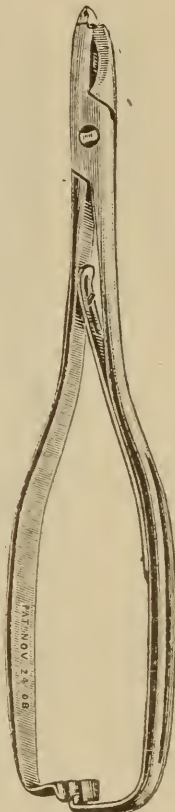


B-1622

GENERAL OPERATING



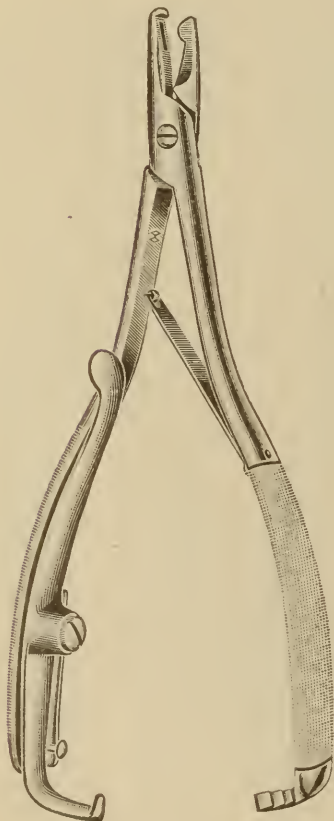
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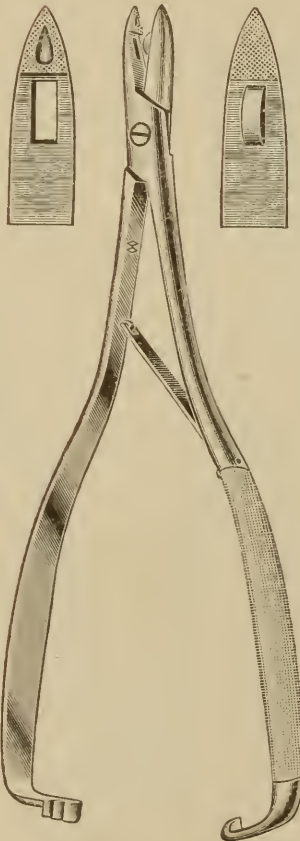
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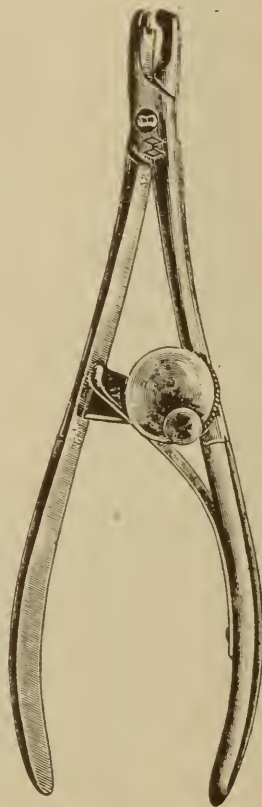
B-1645



B-1635



B-1640



B-1641



## GENERAL OPERATING



Fig. A. Shows Jaws Open

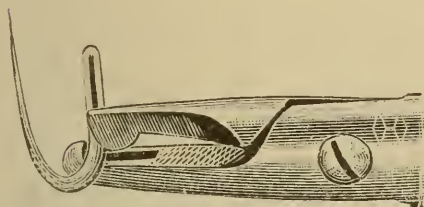
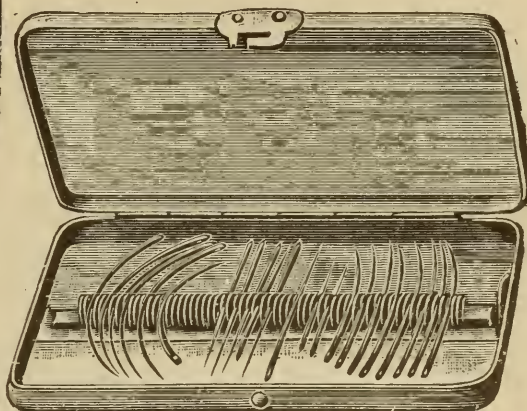
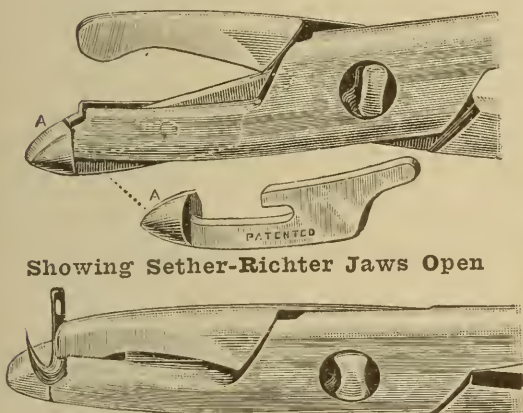


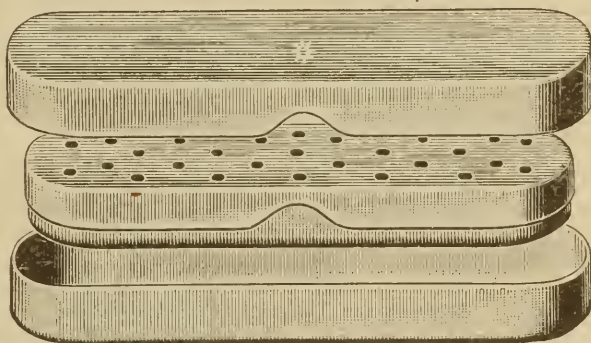
Fig. B. Shows Jaws Grasping Needle



B-1656



Showing Sether-Richter Jaws Open



B-1667

No. 2.  
Showing Sether-Richter Jaws Closed

## RICHTER NEEDLE HOLDERS

The Richter Needle Holders have attained, since their introduction several years ago, a popularity accorded to no other instrument of similar character. They have given the most satisfactory results wherever used.

The construction of the jaw of this instrument is shown in Fig. A, and the method of grasping and holding the needle in Fig. B. In a later construction, a grasping point has been added to the regular Richter jaw (see B-1630), in order to facilitate the grasping of the smallest needle point when exposed through the tissue. The jaws will hold any style of needle perfectly, whether round, flat or square. Every holder is forged by hand and carefully tempered.

An improved catch has also been added to the instrument as originally made (see B-1365). This catch, or rather release catch, permits the releasing of the needle at any point on the catch, in this manner eliminating the danger of breaking the needle by undue pressure when releasing.

## NEEDLE HOLDERS

B-1625	Richter's, improved model, 7 and 8 inch, each.....	\$3.50
*B-1630	Richter's, with grasping point, improved model, 7 and 8 inch, each.....	4.50
B-1635	Richter's, with improved release catch, improved model.....	5.00
B-1640	Richter's, with grasping point and improved release catch.....	5.00
B-1641	Richter-Brown's, with Brown revolving lock.....	5.00
B-1645	Mayo-Richter's .....	4.50
*B-1650	Mayo-Richter's, with grasping point.....	4.50
B-1652	Sether-Richter's, 5½ in., \$4.50; 7 in., \$5.00; 8 in.....	5.00
*B-1654	Sether-Richter's, improved release catch, 7 in.....	5.50

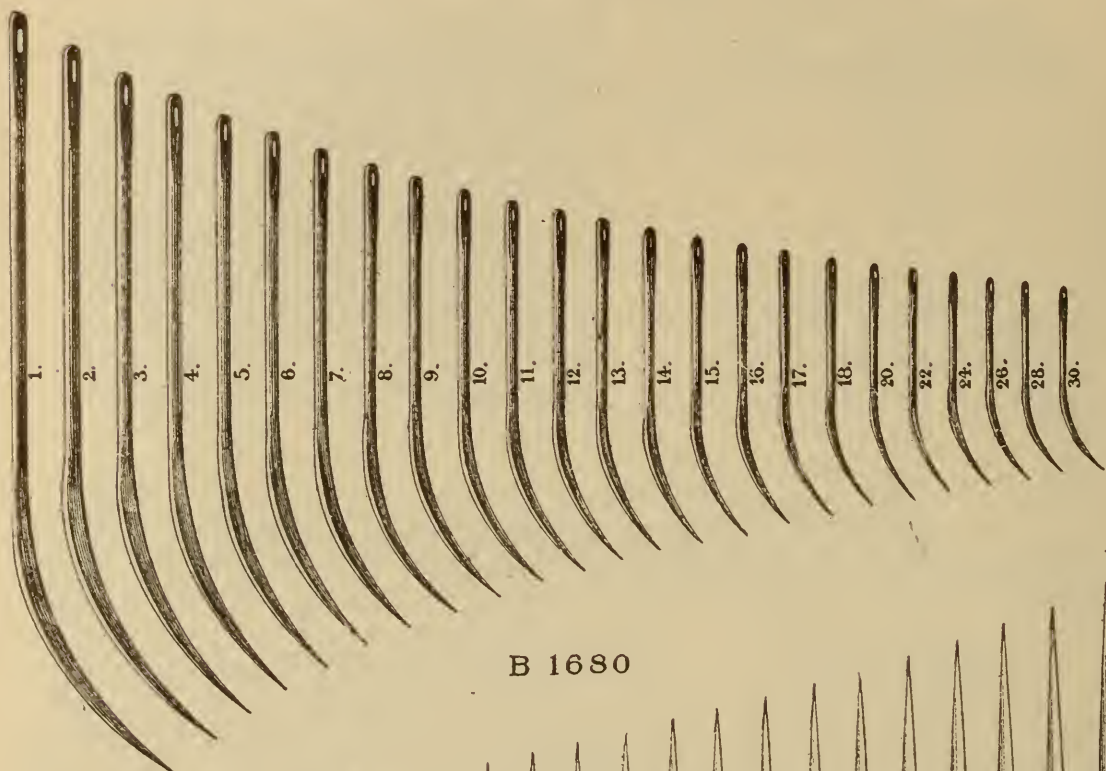
## NEEDLE BOXES

*B-1655	Rectangular Form, with spiral springs for needles.....	\$0.90
*B-1656A	Rectangular Form, with 1 dozen assorted needles.....	1.50
B-1656	Rectangular Form, with 2 dozen assorted needles.....	2.00
*B-1660	Round Form, with compartments for needles.....	.75
B-1667	Rectangular Form, with inner perforated box for sterilizing.....	1.65

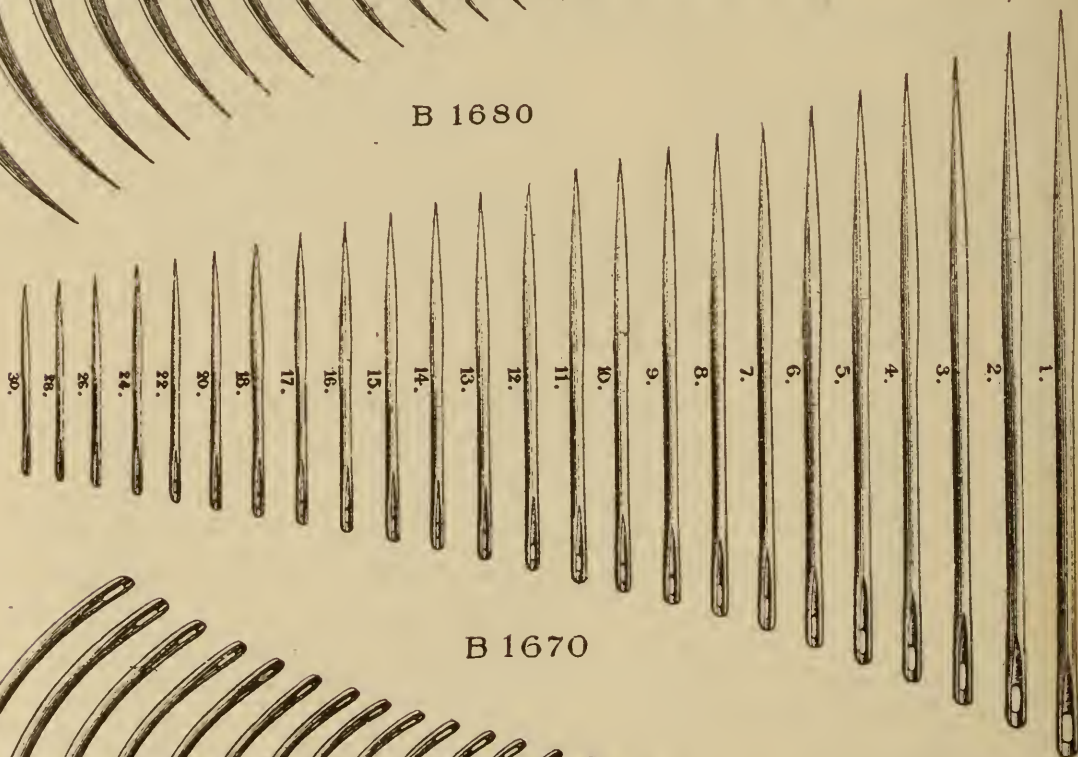
This container is made up of two separate boxes, the inside having a perforated top and bottom. Needles to be used can be left in this box, placed in sterilizer and boiled.

*B-5870	Leather Needle Case, with 2 dozen needles.....	1.50
*B-5870A	Leather Needle Case, with 1 dozen needles.....	1.25

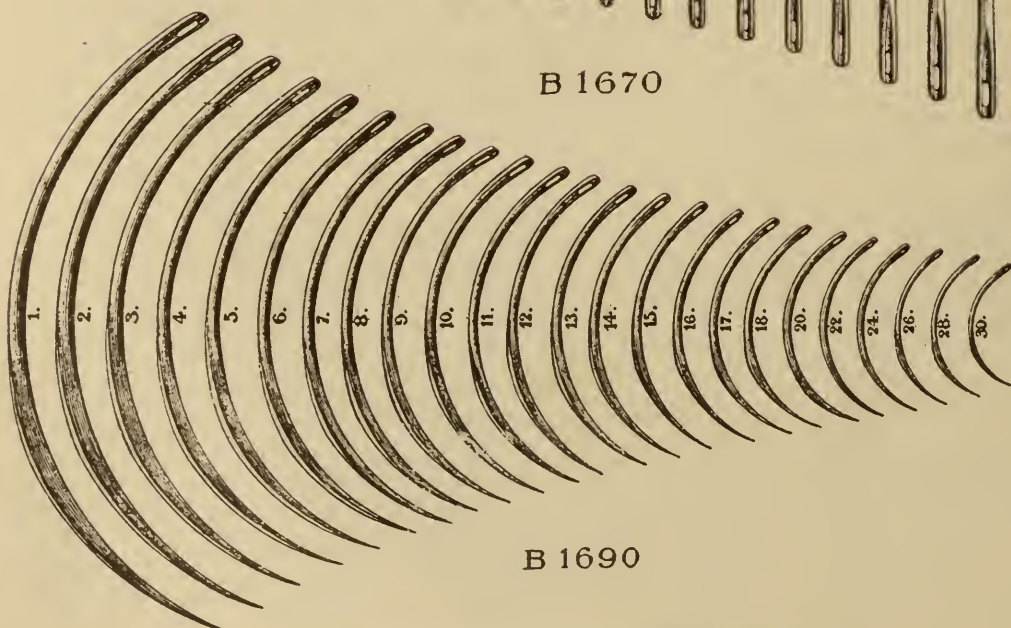
## GENERAL OPERATING—NEEDLES



B 1680



B 1670

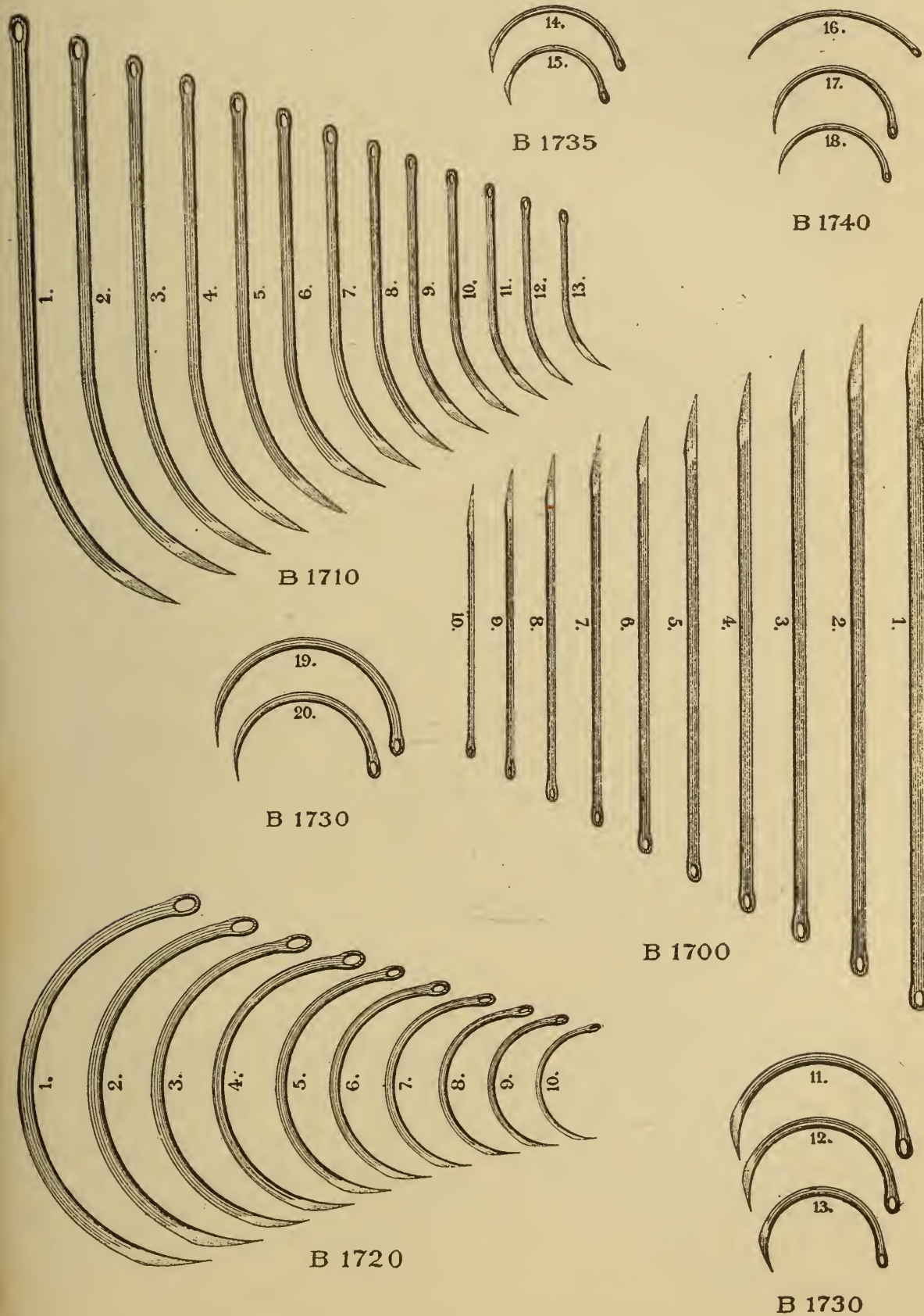


B 1690

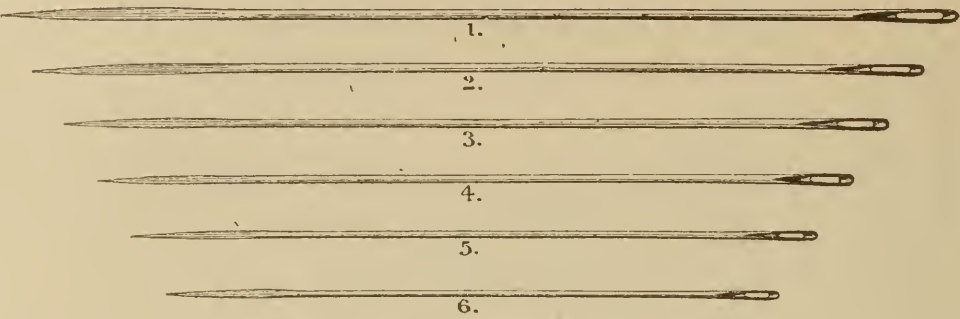
Illustrations Show Full Size of Needles



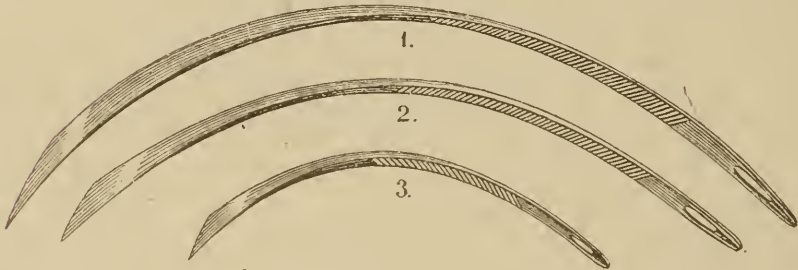
# GENERAL OPERATING—NEEDLES



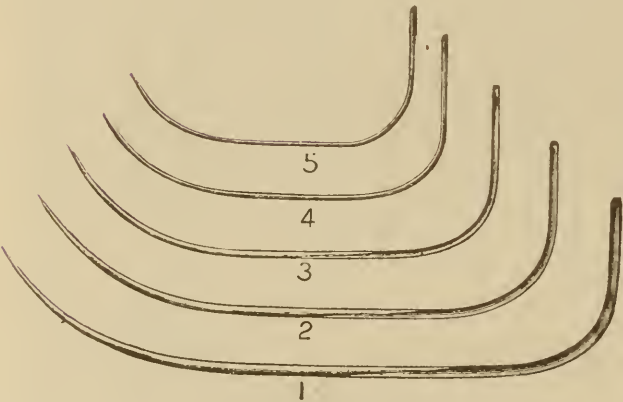
GENERAL OPERATING—NEEDLES



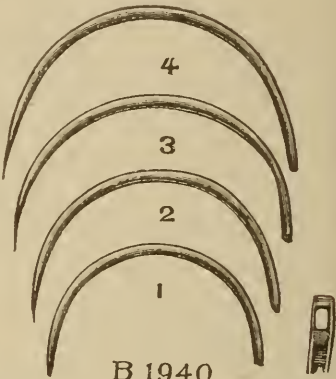
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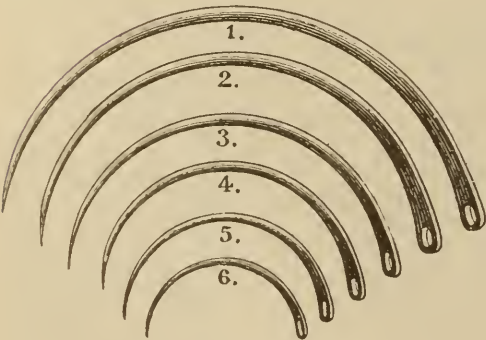
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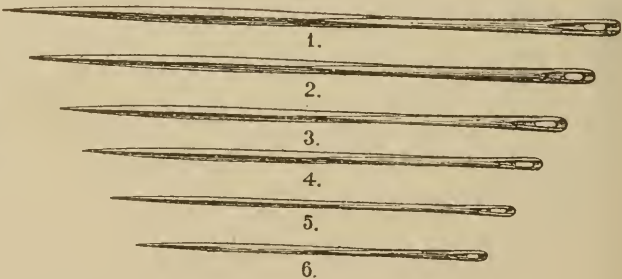
B 1930



B 1940



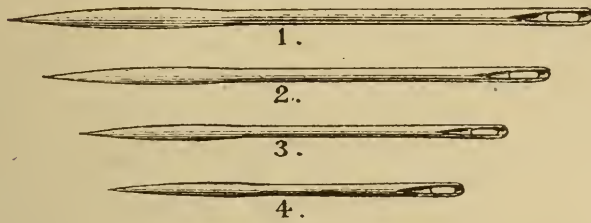
B 1815



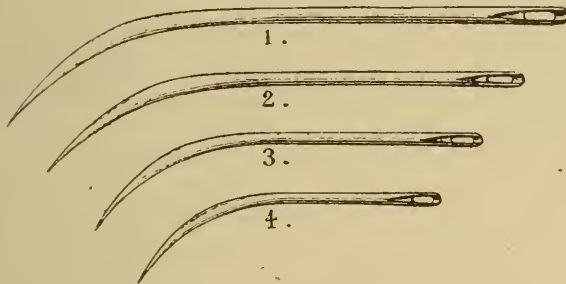
B 2025



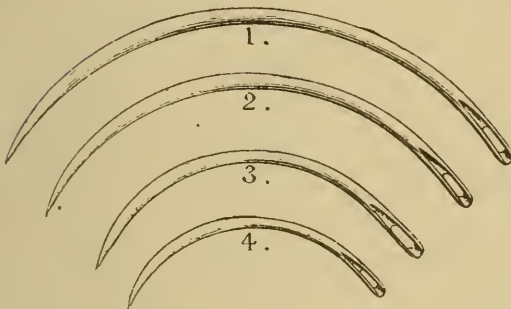
GENERAL OPERATING—NEEDLES



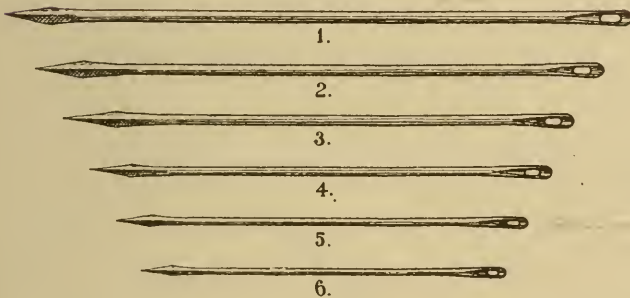
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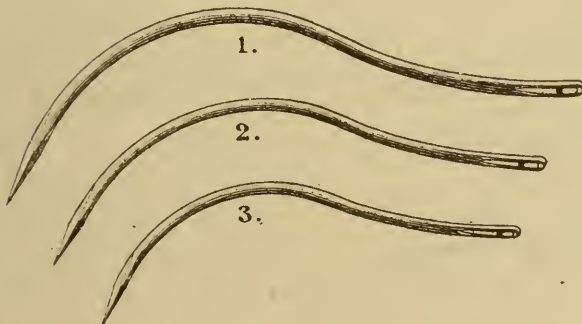
B 1995



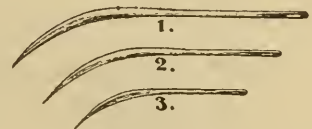
B 2000



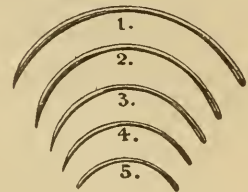
B 1915



B 1845



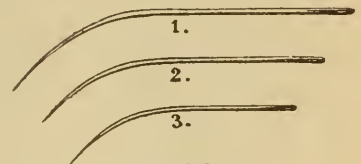
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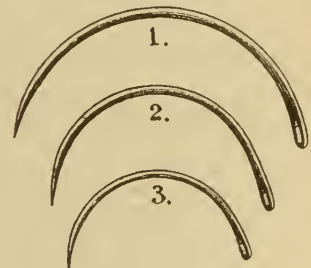
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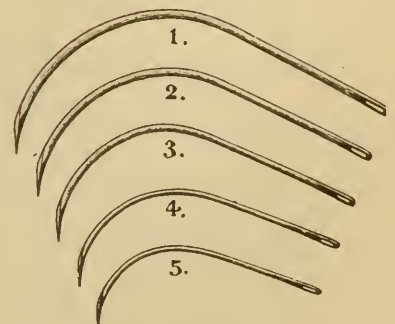
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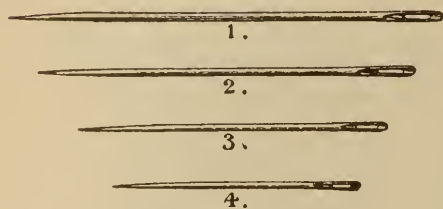


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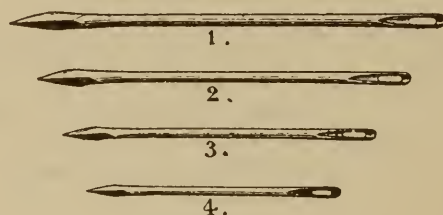


B 1910

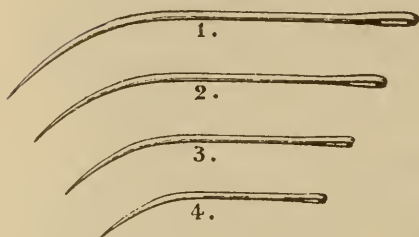
## GENERAL OPERATING—NEEDLES



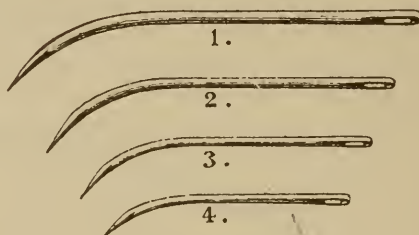
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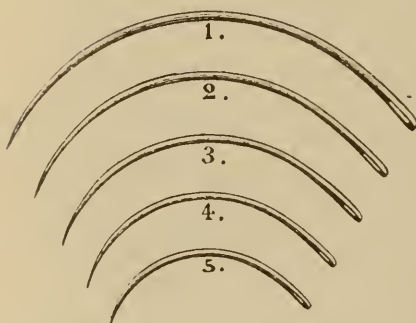
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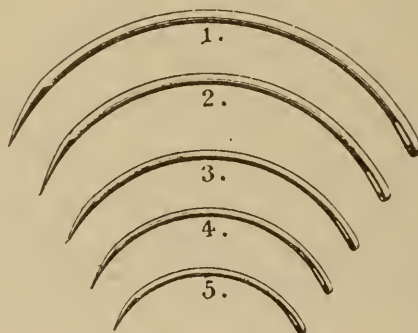
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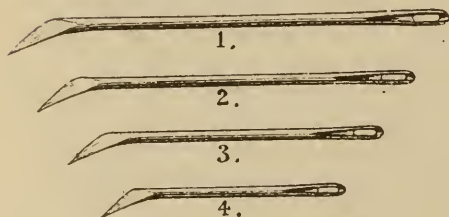
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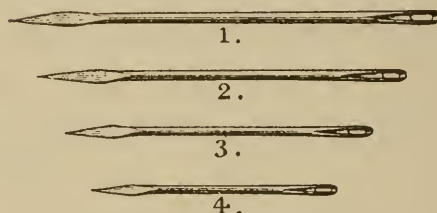
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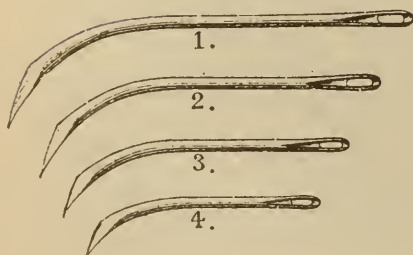
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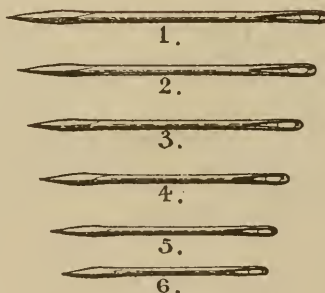
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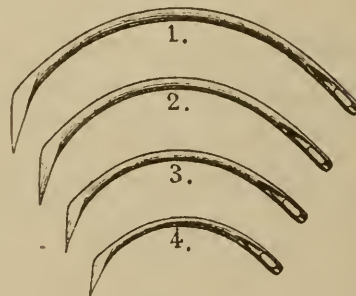
B 2020



B 2035



B 2005

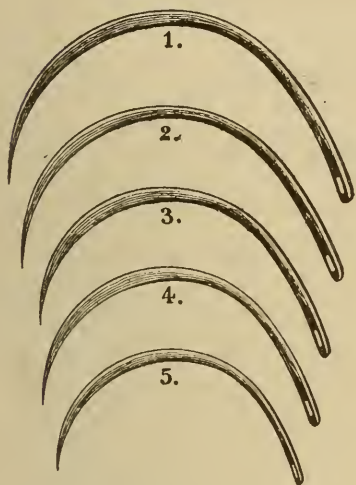


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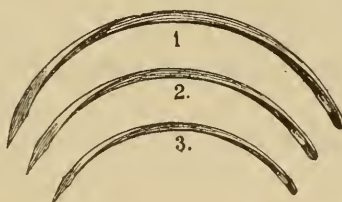
Illustrations Show Full Size of Needles



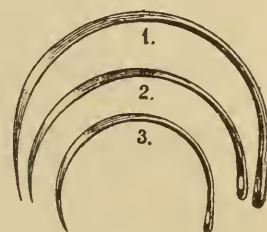
# GENERAL OPERATING—NEEDLES



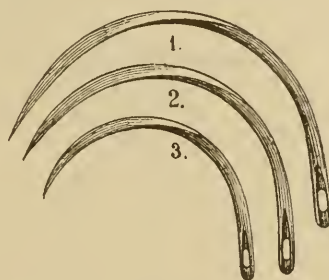
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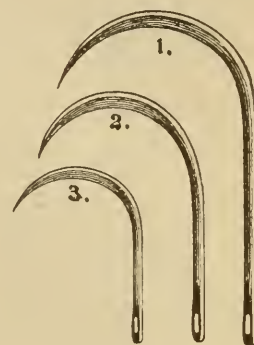
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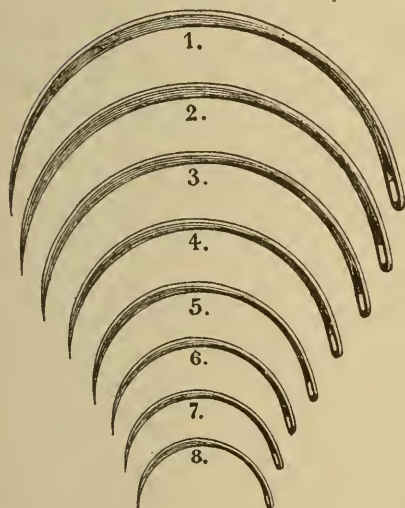
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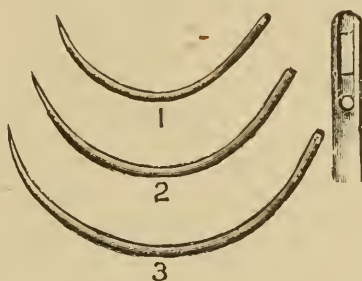
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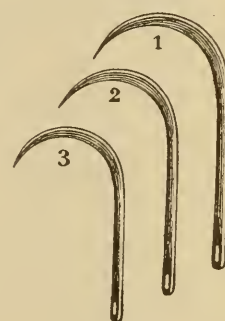
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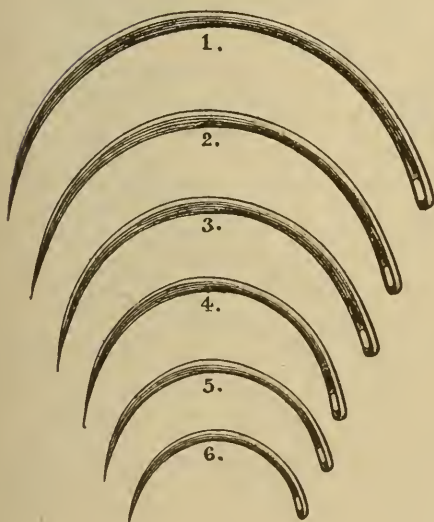
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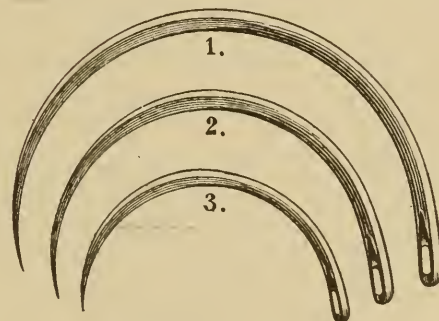
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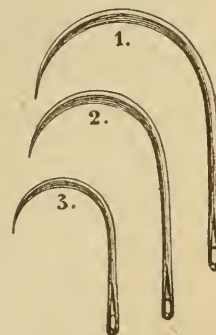
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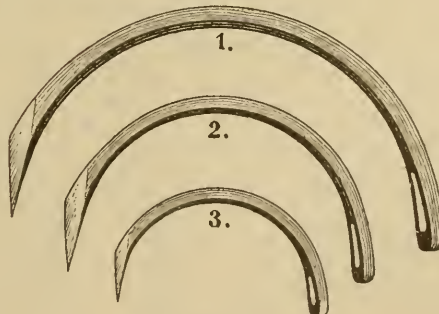
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B 1935



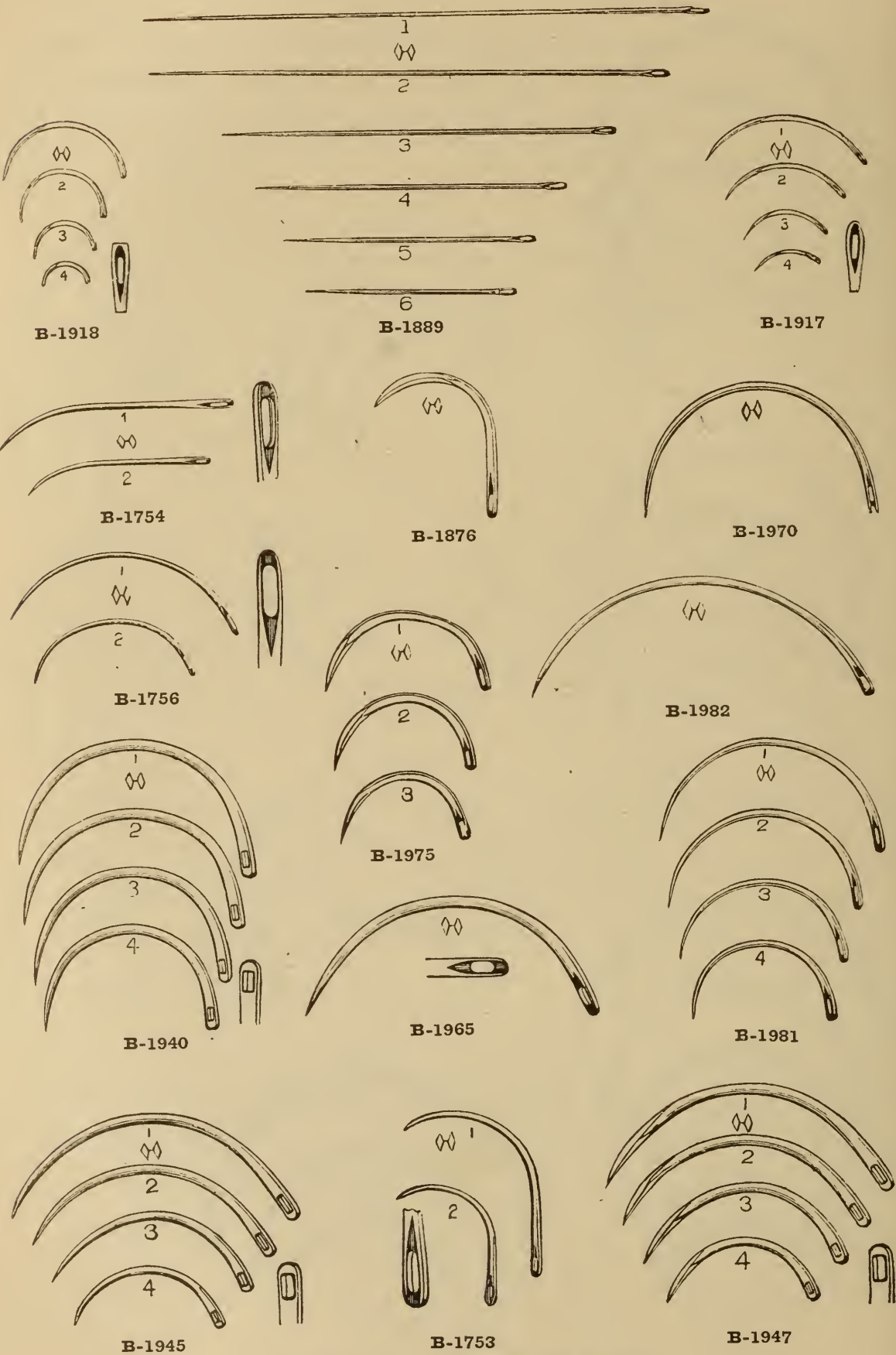
B 1885



B 1985

Illustrations Show Full Size of Needles

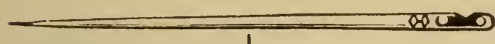
GENERAL OPERATING—NEEDLES



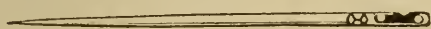
Illustrations Show Full Size of Needles



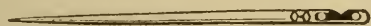
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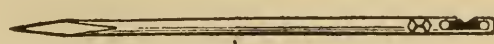


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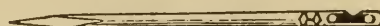
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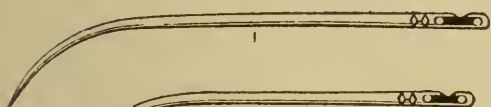


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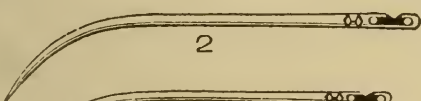


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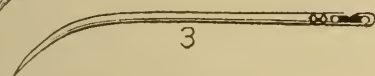
B-1991



1

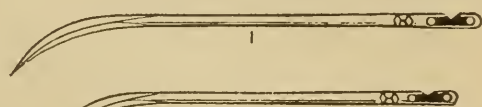


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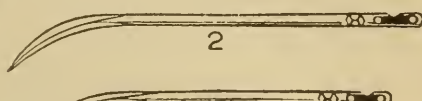


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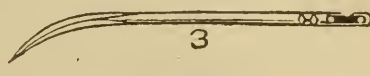
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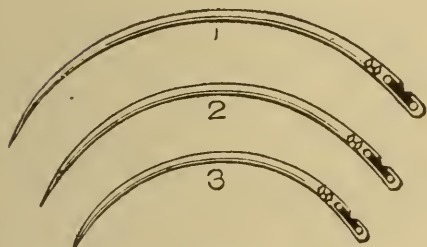


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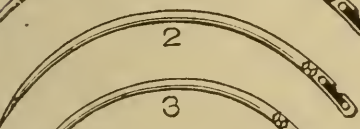


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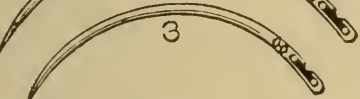
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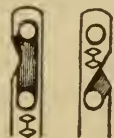


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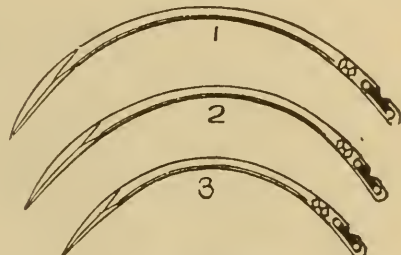


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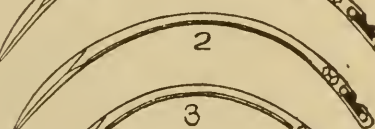
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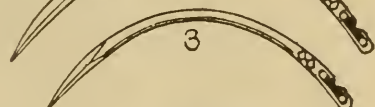
Sander's Eye



1



2

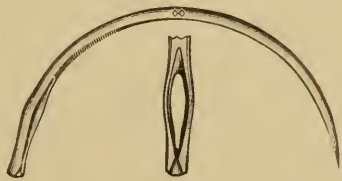


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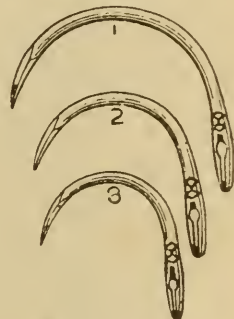
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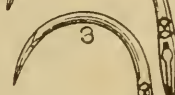
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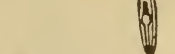
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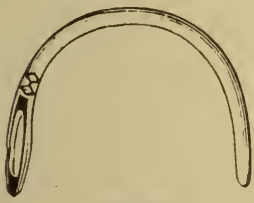


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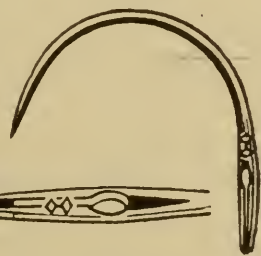


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B-1776



B-1752



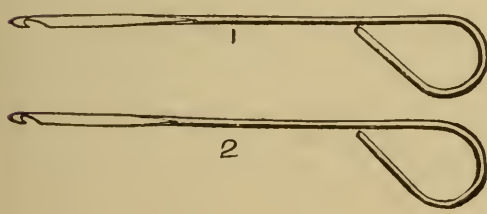
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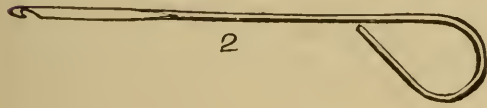
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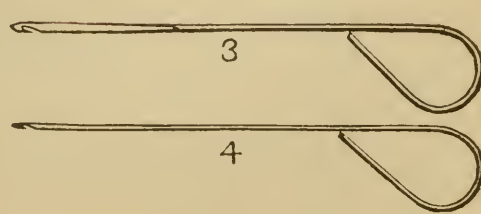
Cunningham Eye



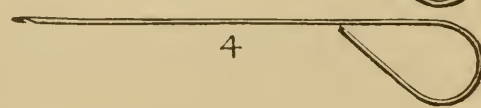
1



2



3



4

B-2057

Illustrations Show Full Size of Needles

## GENERAL OPERATING—NEEDLES

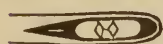


Fig. A



Fig. B



Fig. C



Fig. D

In order that surgeons may order intelligently we illustrate above the various eyes designated in price list, and used in our needle construction.

Fig. A. Plain, oval eye.

Fig. B. Plain, square eye.

Fig. C. Split or Spring eye, automatic threading.

Fig. D. Cunningham eye.

In this eye (Fig. D) the needle is threaded in the ordinary manner, and then, by pulling the suture or ligature into the narrow slot of the eye it is held firmly. The idea is a good one and saves a lot of valuable time.

Our needles are all made of the best tempered steel, with eyes as large as the body or shank of the needle will carry, facilitating in a great degree quick threading with a consequent saving of time.

## PRICE LIST OF SURGEON'S NEEDLES

	Per Doz.
B-1670 Regular, straight .....	\$0.60
*B-1675 Regular, straight, split eye.....	1.10
B-1680 Regular, half curved .....	.60
*B-1685 Regular, half curved, split eye.....	1.10
*B-1686 Regular, half curved, round body, sizes 1 to 18.....	.60
B-1690 Regular, full curved .....	.60
*B-1691 Regular, half circle curve, sizes 1 to 18.....	.75
*B-1695 Regular, full curved, split eye .....	1.10
*B-1696 Regular, full curved, round body, sizes 1 to 18.....	.60
*B-1697 Regular, full curved, with Cunningham eye, sizes 1 to 18.....	1.25
B-1700 Hagedorn's, straight .....	1.00
*B-1705 Hagedorn's, straight, with split eye.....	1.25
B-1710 Hagedorn's, half curved .....	1.00
*B-1715 Hagedorn's, half curved, with split eye.....	1.25
B-1720 Hagedorn's, full curved .....	1.00
*B-1721 Hagedorn's, $\frac{1}{4}$ circle curve.....	1.00
*B-1722 Hagedorn's, $\frac{5}{8}$ circle curve.....	1.00
*B-1725 Hagedorn's, full curved, with split eye.....	1.25
B-1730 Hagedorn's, fistula, stout .....	1.00
B-1735 Hagedorn's, fistula, thin .....	1.00
B-1740 Hagedorn's, intestinal .....	1.00
*B-1745 Hagedorn's, full curved, with reversed eye.....	1.00
B-1746 Abraham's, with Cunningham eye.....	1.25
*B-1747 Cunningham, straight taper, 1 size.....	1.25
B-1748 Cunningham, $\frac{3}{8}$ circle curve, taper .....	1.25
B-1749 Cunningham, $\frac{1}{2}$ circle curve, cutting .....	1.25
B-1751 Cunningham, fish hook, taper.....	1.25
*B-1750 Bonney's, full curved.....	1.50
*B-1762 Boston .....	1.00
B-1753 Butler's, cervix, fish hook curve, taper points, 2 sizes.....	1.25
B-1754 Butler's, cervix, half curve, taper points, 2 sizes.....	1.25
B-1756 Child's, cervix, full curve, taper points, 2 sizes.....	1.10
*B-1752 DeGarmo's, hernia, full curved, 1 size.....	2.00
*B-1755 Dibrell's, full curved, Hagedorn point and long eye.....	1.25
B-1760 Doyen's, curved, to be used with fingers, gilt.....	4.00
B-1765 Emmet's, straight, taper point.....	.75
B-1770 Emmet's, half curved, taper point.....	.75
B-1775 Emmet's, full curved, taper point.....	.75
B-1780 Emmet's, straight, trocar point.....	.90
B-1785 Emmet's, half curved, trocar point.....	.90
B-1790 Emmet's, full curved, trocar point.....	.90
B-1795 Eye, half curved .....	.90
*B-1800 Eye, half curved, split eye.....	1.25



## GENERAL OPERATING—NEEDLES

## PRICE LIST OF SURGEON'S NEEDLES—Continued

	Per Doz.
B-1805 Eye, full curved .....	.90
*B-1810 Eye, full curved, split eye.....	1.25
B-1815 Ferguson's, full curved, with taper point.....	1.00
*B-1820 Ferguson's, full curved, with reversed Hagedorn point.....	1.00
B-1825 Fistula, full curved, light .....	1.00
B-1830 Fistula, full curved, heavy .....	1.00
B-1835 Fistula, extra full curved, light.....	1.25
B-1840 Fistula, lesser curved, lance pointed.....	1.25
B-1845 Goodell's, perineal .....	1.30
B-1850 Harris, full curved, taper point, for wire.....	1.25
*B-1855 Henderson's, full curved, cutting edge, sizes Nos. 1 to 6.....	1.25
*B-1857 Hernia, extra heavy.....	1.50
B-1860 Keith's, straight, abdominal .....	.90
*B-1865 Kelly's, fistula .....	1.20
B-1870 Kelly's, gynaecic .....	1.20
B-1875 Kelly's, full curved, trachelorrhaphy, 3 sizes.....	1.25
B-1876 Kelly's, trachelorrhaphy, fish hook curve, trocar point, 1 size.....	1.25
*B-1880 Kelly's, full curved, intestinal, taper point, split eye, 3 sizes.....	1.35
B-1885 Koenig's, fish hook curve.....	1.25
B-1890 Intestinal, half curved, plain eye, taper point.....	.90
*B-1895 Intestinal, half curved, split eye, taper point.....	1.25
*B-1889 Intestinal, straight, taper points.....	.90
B-1900 Intestinal, full curved, plain eye, taper point.....	.90
*B-1901 Intestinal, $\frac{3}{8}$ circle curve, taper points.....	.90
*B-1905 Intestinal, full curved, split eye, taper point.....	1.25
B-1910 Intestinal, fish hook, plain eye, trocar point.....	1.25
B-1915 Lance pointed, straight.....	1.00
B-1917 Lane's, cleft palate, $\frac{3}{8}$ circle curve, trocar points.....	1.75
B-1918 Lane's, cleft palate, $\frac{1}{2}$ circle curve, trocar points.....	1.75
*B-1920 Ligating, full curved, taper points.....	1.25
B-1925 Lister's, fistula .....	1.10
B-1930 Loopuyt's, half curved, to be used with fingers.....	1.50
*B-1931 Loopuyt's, half curved, split eye, sizes 1 to 5.....	1.75
B-1935 Martin's, full curved, uterine.....	1.10
*B-1936 Martin's, uterine, with Cunningham eye.....	1.50
B-1940 Mayo's, full curved, large square eye, taper point, 4 sizes, for catgut....	1.10
B-1945 Mayo's, $\frac{3}{8}$ circle curved, large square eye, taper point, 4 sizes, for catgut .....	1.10
B-1947 Mayo's, $\frac{3}{8}$ circle curved, large square eye, trocar point, 4 sizes.....	1.10
*B-1950 Mayo's, full curved, plain eye, taper point, intestinal, 3 sizes.....	.90
*B-1952 Mayo's, half circle curve, with Cunningham eye, taper points, 4 sizes....	1.50
B-1889 Mayo's, intestinal, straight, taper points.....	.90
*B-1955 McGowan's, full curved, taper point, 3 sizes.....	1.50
*B-1960 McGowan's, full curved, trocar point, 3 sizes.....	1.50
B-1965 Moynihan's, full curved, plain eye, taper point, for catgut, 1 size.....	1.10
B-1970 Moynihan's, full curved, split eye, taper point, intestinal, 1 size.....	1.20
B-1975 Murphy's, full curved, cutting points, for trachelorrhaphy, 3 sizes.....	1.10
*B-1980 Murphy's, full curved, taper point, haemostatic, 1 size.....	1.10
B-1981 Murphy's, intestinal, full curve, taper point, 4 sizes.....	1.00
B-1982 Murphy's, liver, full curve, taper point, 1 size.....	1.10
B-1985 Packard's, full curved, cutting points, uterine, 3 sizes.....	1.25
B-1986 Sander's, straight, taper point.....	1.75
B-1987 Sander's, half curve, taper point.....	1.75
B-1988 Sander's, $\frac{3}{8}$ circle curve, taper point.....	1.75
*B-1989 Sander's, half circle curve, taper point.....	1.75
B-1991 Sander's, straight, trocar point.....	1.75
B-1992 Sander's, half curved, trocar point.....	1.75
B-1993 Sander's, $\frac{3}{8}$ circle curve, trocar point.....	1.75
B-1990 Schnetter's, straight, uterine .....	1.20
B-1995 Schnetter's, half curved, uterine.....	1.20
B-2000 Schnetter's, full curved, uterine.....	1.20
B-2005 Sim's, straight, lance pointed, uterine.....	1.00
*B-2010 Sim's, half curved, lance pointed, uterine.....	1.00
*B-2015 Sim's, full curved, lance pointed, uterine.....	1.00
B-2020 Skene's, straight, trocar pointed, uterine.....	.90
B-2022 Staphylorrhaphy, fish hook, sharp points.....	1.50
*B-2025 Triangular, straight .....	.60
B-2030 Uterine, straight, Hagedorn points, heavy.....	1.10
B-2035 Uterine, half curved, Hagedorn points, heavy.....	1.10
B-2040 Uterine, $\frac{3}{8}$ circle curve, Hagedorn points, heavy.....	1.10
*B-2045 Webster's, straight, sizes Nos. 1 to 5.....	1.25
*B-2050 Webster's, half curved, sizes Nos. 1 to 5.....	1.25
*B-2055 Webster's, full curved, sizes Nos. 1 to 5.....	1.25
B-2057 Surgical needle threaders, 4 sizes, per package of one dozen, assorted....	1.25

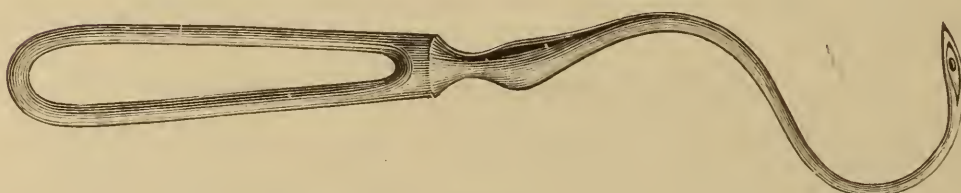
## GENERAL OPERATING



B-2085



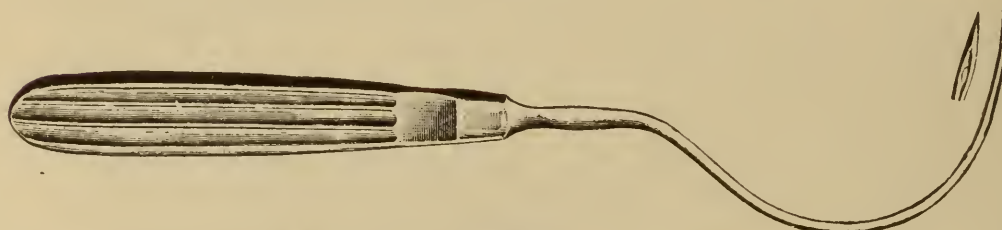
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B-2080



B-2100



B-2110



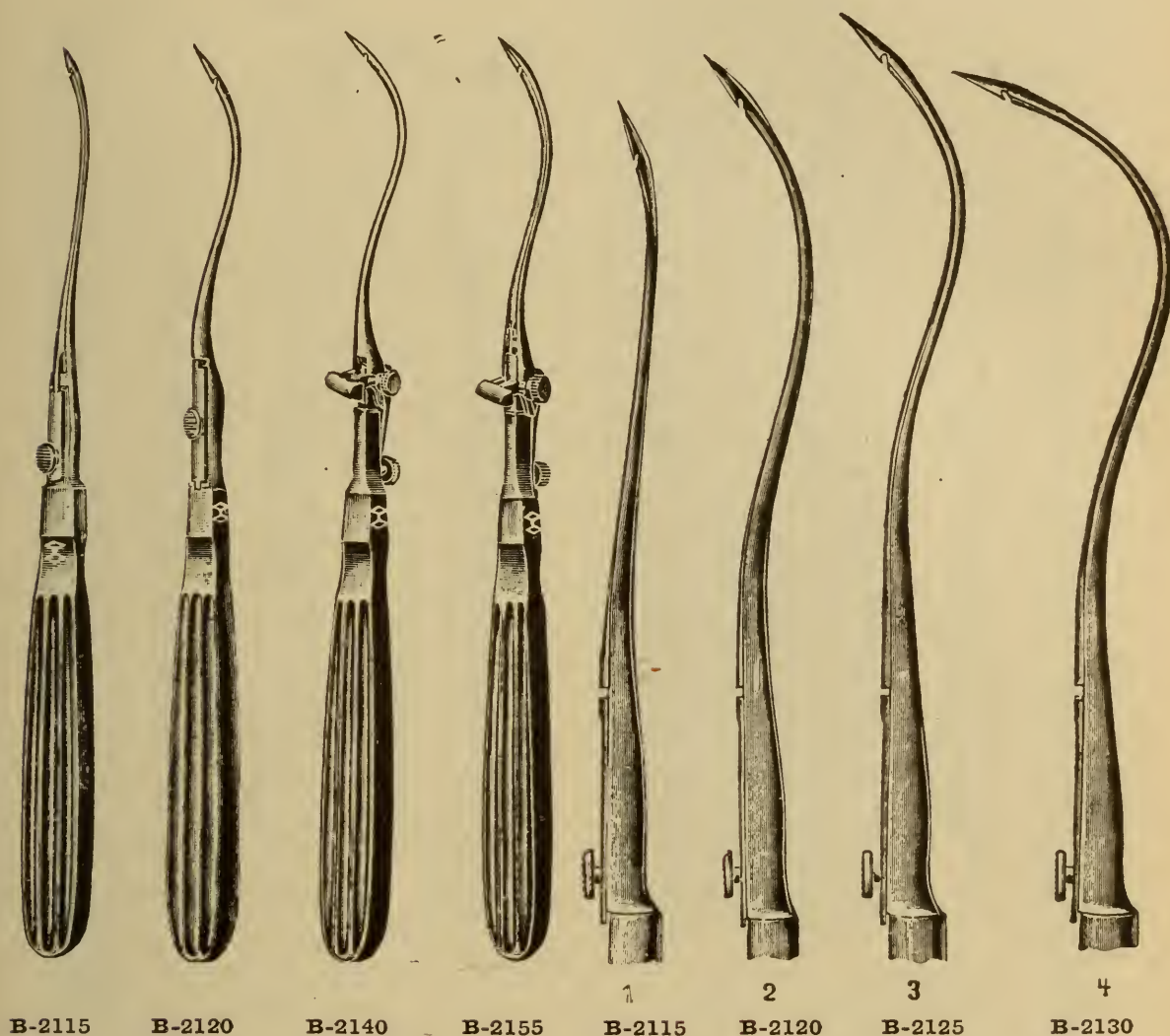
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B-2070



## GENERAL OPERATING



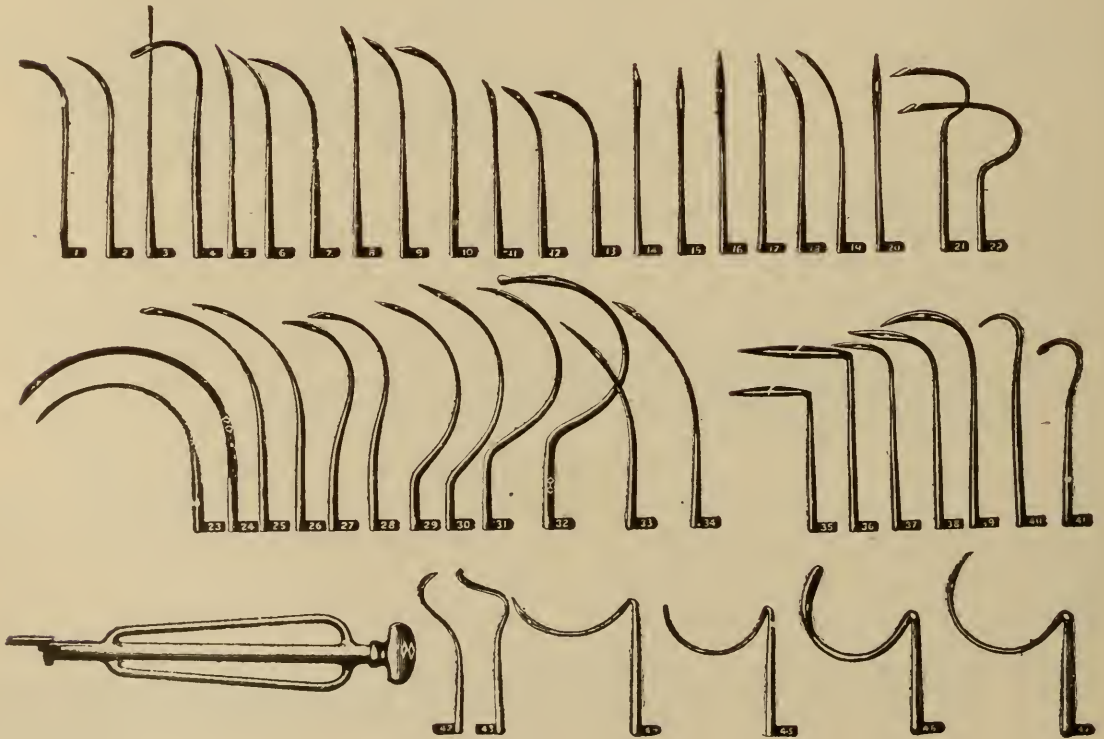
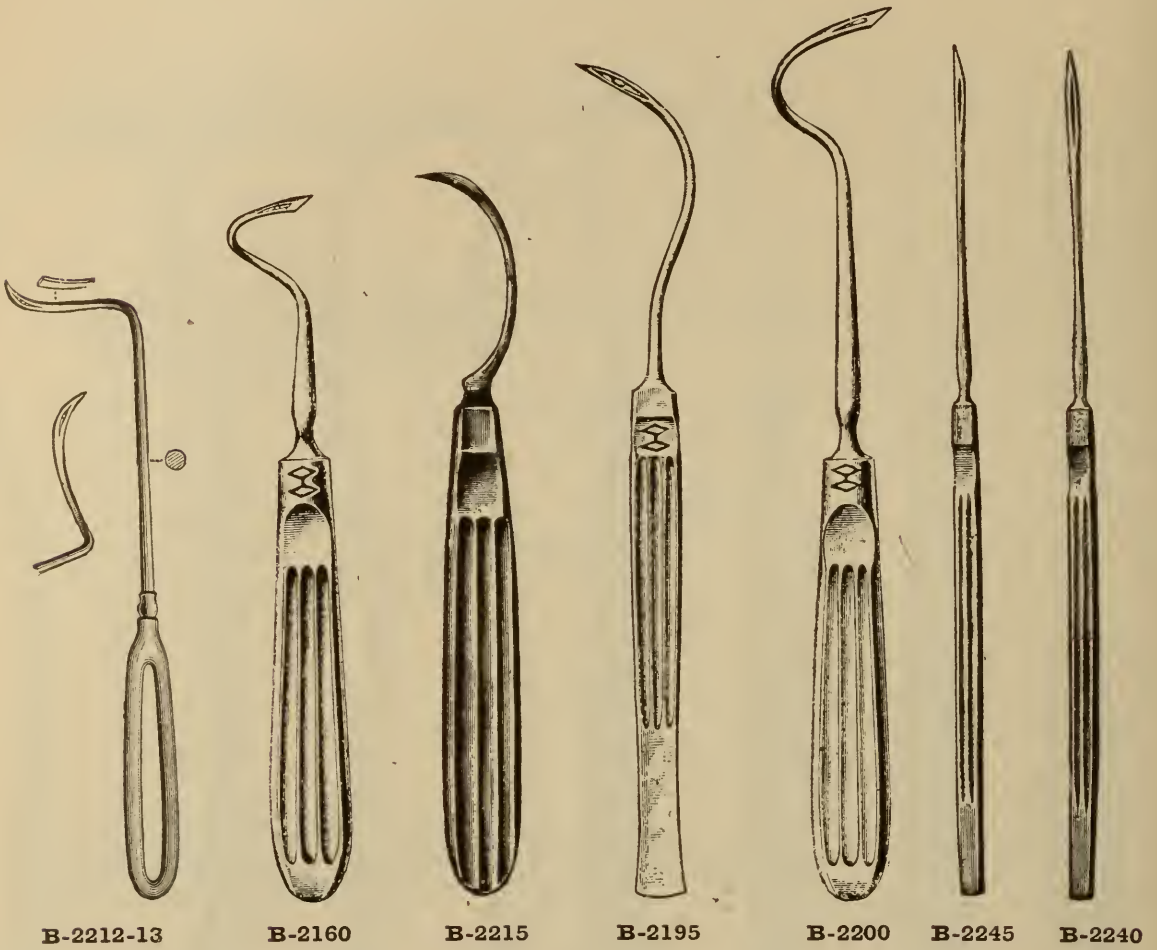
## LIGATURE NEEDLES

*B-2065	Billroth's, straight heavy .....	\$2.00
B-2070	Billroth's, half curved, heavy.....	2.00
B-2075	Carsten's, curved to right or left, blunt.....	1.50
B-2080	Davis', curved .....	1.50
B-2085	Deschamp's, curved to right or left blunt.....	1.50
*B-2090	Deschamp's, curved to right or left, sharp.....	1.50
B-2100	Landau's, sharp, with Hagedorn eye.....	2.40
B-2105	Langenbeck's, curved, blunt.....	1.50
B-2110	Pean's, curved, sharp.....	1.50

## SUTURE NEEDLES

B-2115	Reverdin's, plain, sliding eye, curve 1.....	\$3.25
B-2120	Reverdin's, plain, sliding eye, curve 2.....	3.25
B-2125	Reverdin's, plain, sliding eye, curve 3.....	3.25
B-2130	Reverdin's, plain, sliding eye, curve 4.....	3.25
B-2135	Reverdin's, improved, automatic eye, curve 1.....	4.25
B-2140	Reverdin's, improved, automatic eye, curve 2.....	4.25
*B-2145	Reverdin's, improved, automatic eye, curve 3.....	4.25
*B-2150	Reverdin's, improved, automatic eye, curve 4.....	4.25
B-2155	Reverdin's, improved, automatic eye, Hagedorn point.....	4.50

## GENERAL OPERATING



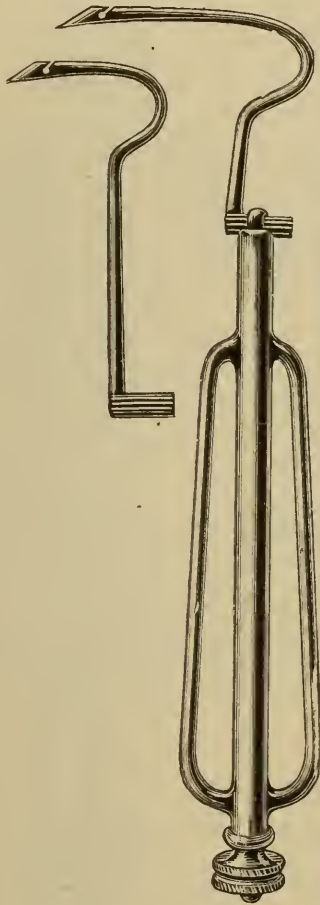
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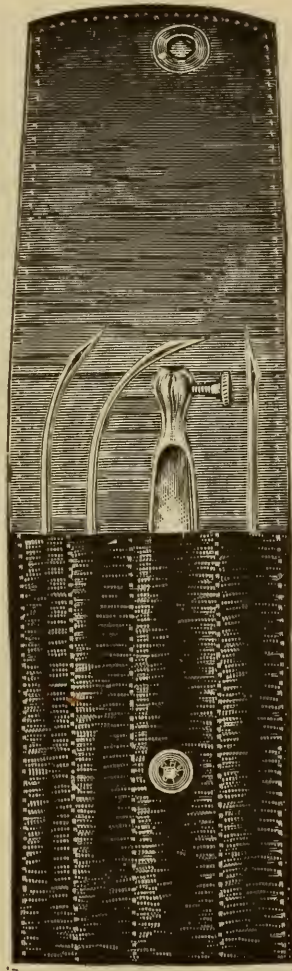
## GENERAL OPERATING



B-2185



B-2210



B-2220



B-2190

## CERVIX NEEDLES

B-2160	Carsten's, curved to right or left.....	\$1.50
*B-2165	Clark's, curved to right or left.....	1.25
*B-2180	Reverdin's, automatic eye, curved to right or left.....	8.50
B-2185	Spiral, curved to right or left.....	1.50
B-2190	Wilson's, curved to right or left.....	1.50

## PERINEUM NEEDLES

B-2195	Ashton's, plain.....	\$1.20
B-2200	Carsten's, curved to right or left.....	1.50
*B-2205	Clark's, curved to right or left.....	1.50
B-2210	Clark's, combined with cervix, one handle.....	2.75
B-2212	Dickinson's, Hagedorn point, right.....	1.25
B-2213	Dickinson's, Hagedorn point, left.....	1.25
B-2215	Felizet's, curved.....	2.00
B-2220	Haslam's, set of 3, with one handle, in leather case.....	2.00
B-5476	Haslam's, universal handle for Haslam needles.....	1.25
B-5477	Haslam's, perineum needles to fit above handles, 48 different patterns in stock. (Send for circular giving actual sizes and shapes.) Each.....	.60
*B-2225	Peaslee's, set of 3, with one handle.....	3.00
*B-2230	Skene's, with open eye.....	1.25
*B-2235	Wilson's, full curved.....	.85

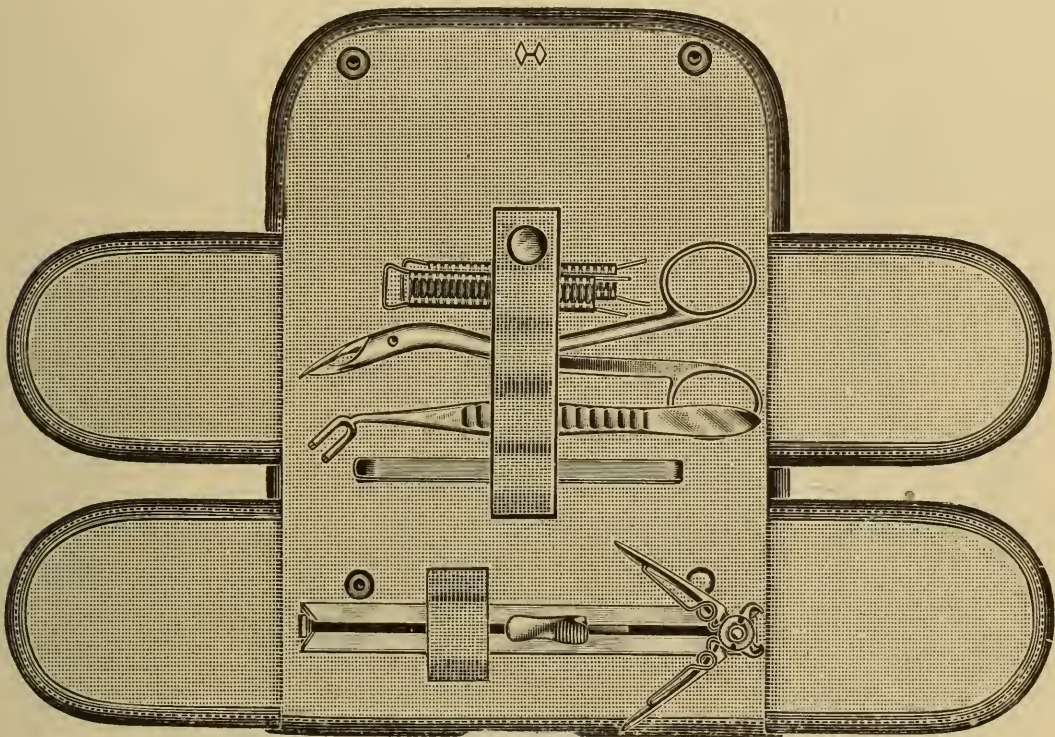
## VARICOCELE NEEDLES

B-2240	Keyes', plain, spear point.....	\$1.25
B-2245	Keyes', plain, oblique point.....	1.25
*B-2250	Keyes', plain, two eyes.....	1.50
*B-2255	Keyes', automatic, see B-2135.....	4.25





GENERAL OPERATING



B-2274A

DESCRIPTION

The forcep is made of non-corrosive metal, highly polished and nickel plated.

Fig. 1. Shows the Forceps,  $\frac{3}{4}$  size. A-A shows the Jaws about to close over a clip. B-B shows the Levers which are pressed together with thumb and index finger, in applying clips. D is the Thumb Push used to push clip into position. C is the Swivel Spring that holds the magazine of clips in position and is swung out when magazine is removed or inserted.

Fig. 2. Shows the Clip Transfer ( $\frac{3}{4}$  size).

Fig. 3. Shows how Clips are removed from Wire Frame to Clip Transfer.

Fig. 4. Shows how Clips are removed from Clip Transfer to Magazine.

Fig. 5. Shows Magazine loaded, about to be inserted in Forceps.

DIRECTIONS

To Load Magazine: Slide the Clip Transfer over the clips on the wire frame, hold the clips and pull out the wire frame.

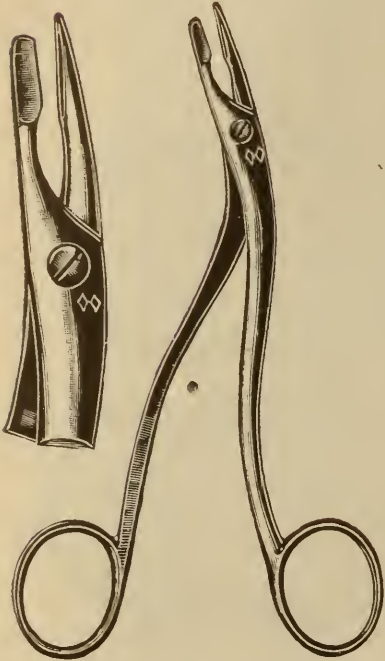
Clips are now ready to be loaded on the Magazine, which is done by pushing the wire of the Magazine through the eyes of the clips and then pulling away the Clip Transfer.

Next turn out the Swivel Spring "C" on Forceps and insert the magazine of clips into the Forceps, as shown in Fig. 5, far enough to permit the Swivel Spring to close over the wire, and Forceps are ready for the operator.

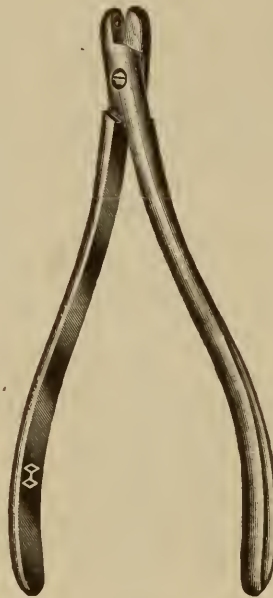
For greater convenience in carrying, we put up a neat set of suture instruments in Khaki roll, see B-2274. This outfit consists of Richter's Magazine Wound Clip Forceps, B-2274, Pressure Regulating and Removing Forceps, B-2277, Roubaix's Tissue Forceps, B-442, Clip Transfer and Wire Frames with 50 Clips.

B-2274 Richter's Magazine Wound Clip Forceps .....	\$ 7.50
B-2274A Richter's Magazine Wound Clip Forcep Set, complete, as illustrated and described .....	10.50

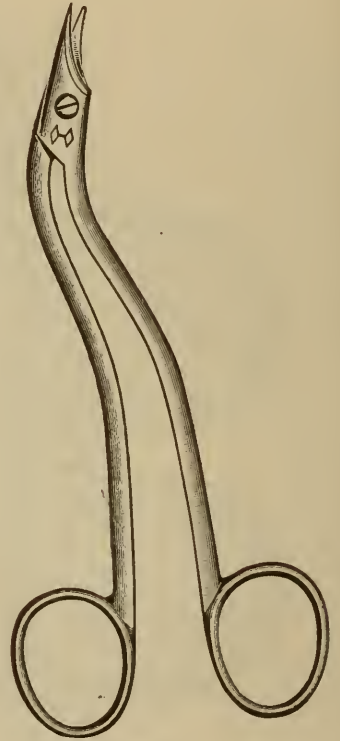
GENERAL OPERATING



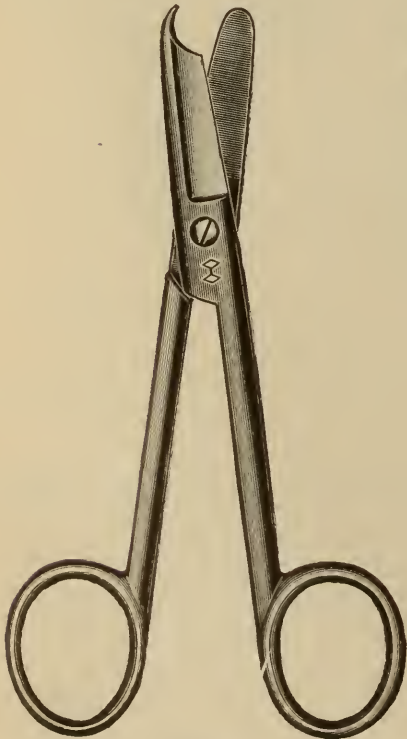
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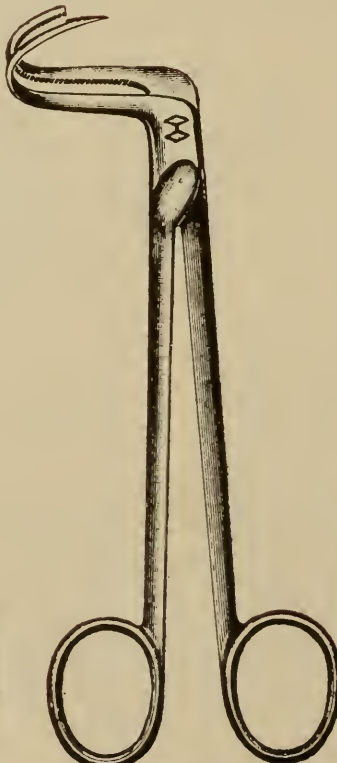
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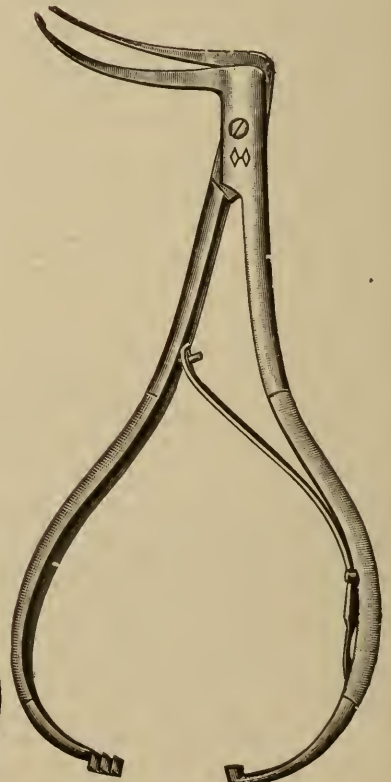
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B-2290



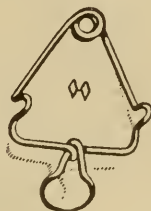
B-2260-2262



B-2265-2267



## GENERAL OPERATING



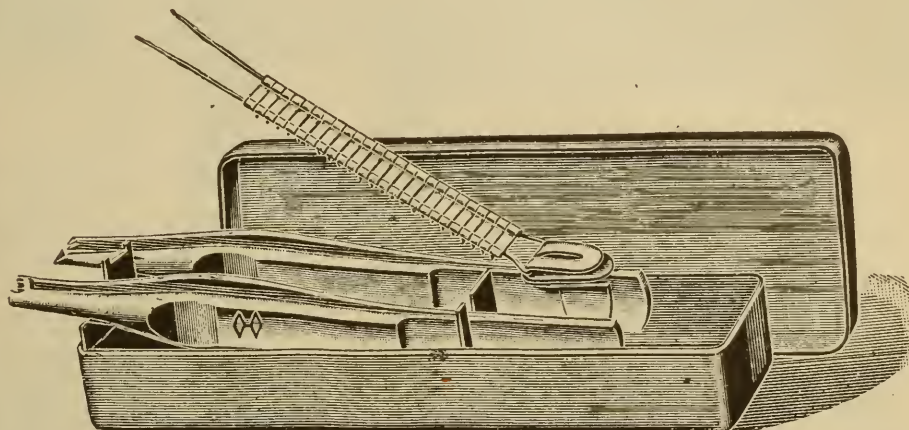
B-2312



B-2307



B-2325



B-2305

## LIGATURE CARRIERS

B-2260	Cleveland's, scissor handle, 8 in.....	\$2.40
B-2262	Cleveland's, scissor handle, 6 in.....	1.85
B-2265	Cleveland's, improved, right, latest model.....	2.75
B-2267	Cleveland's, improved, left, latest model.....	2.75

## SUTURE SUNDRIES

B-2280	Shot Compressor, Haslam's .....	\$2.25
*B-2285	Shot Compressor, Thomas' .....	2.25
B-2277	Spreading Forceps, for removing or regulating the pressure of Michel's Clips.....	1.50
B-2299	Suture Forceps, Michel's, plain.....	1.25
B- 442	Suture Forceps, Roubaix's, angular .....	1.60
*B- 441	Suture Forceps, Roubaix's, straight .....	1.50
B-2290	Suture Scissors, Littauer's, 4½ in., \$1.25; 5 in.....	1.50
B-2297	Suture Scissors, Malsah's .....	1.65
*B-2295	Suture Scissors, Smith's .....	1.65
B-2305	Suture Set, Michel's, in metal case, consisting of 2 Michel's plain Forceps, 25 Wound Clamps, 2 Wire Hooks for removing clamps.....	4.75
B-2307	Wound Clips, Michel's, small, per hundred .....	.85
	Wound Clips, Michel's, small, per thousand .....	6.00
	Wound Clips, Michel's, small, per ten thousand.....	50.00
	Wound Clips, Michel's, medium, per hundred .....	1.20
	Wound Clips, Michel's, medium, per thousand .....	8.00
	Wound Clips, Michel's, medium, per ten thousand.....	70.00
	Wound Clips, Michel's, large, per hundred .....	1.75
	Wound Clips, Michel's, large, per thousand .....	15.00
B-2312	Wound Clips, Herff's, automatic, per box of 25.....	3.00
*B-2308	Wound Clips, Van Schott's, complete with forceps, in case .....	4.75
*B-2309	Wound Clips, Van Schott's, 25 on wire magazine, per hundred .....	2.50
*B-2310	Silver Wire Mattress, 3¾x4¾ in.....	5.00
*B-2315	Silver Wire Mattress, 3½x4½ in.....	4.75
*B-2320	Silver Wire Mattress, 2¾x3½ in.....	4.50
B-2325	Perforated Shot, 100 in bottle.....	.65

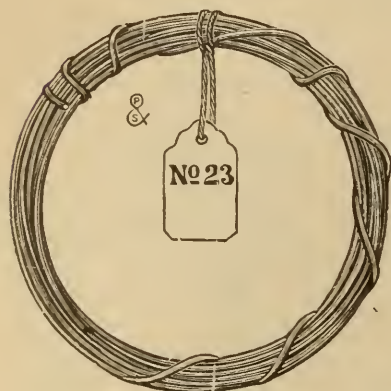


B-442

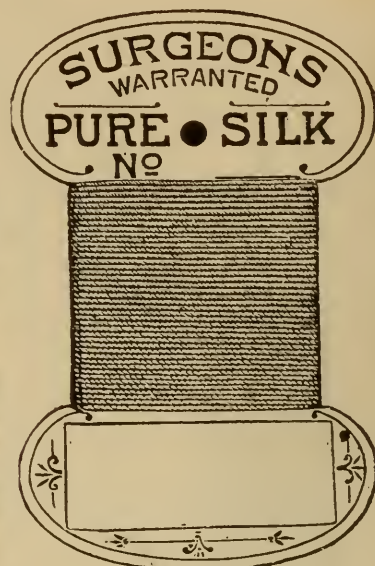


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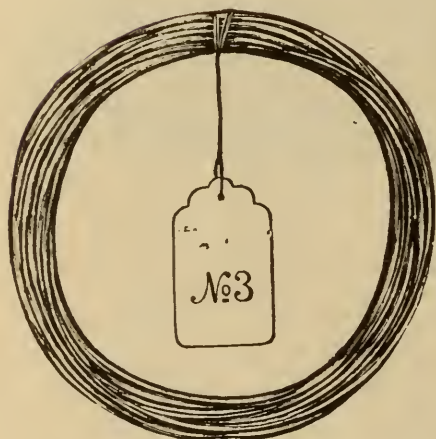
## GENERAL OPERATING



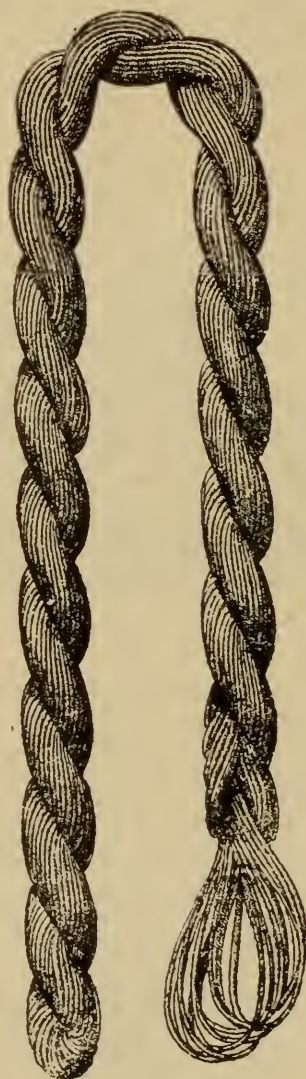
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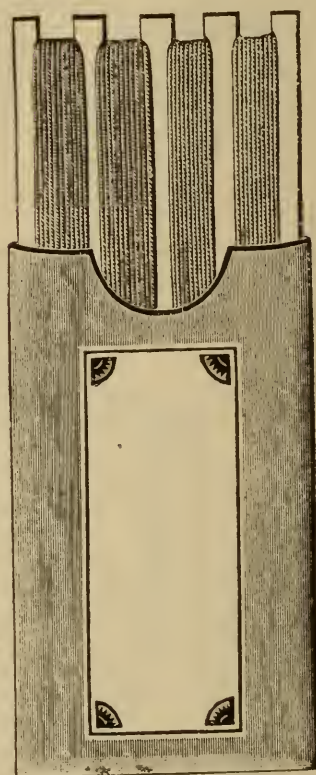
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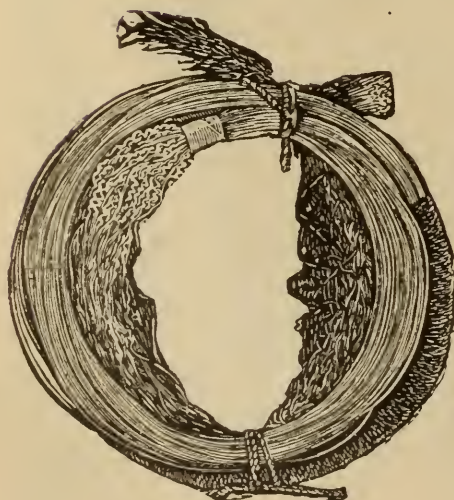
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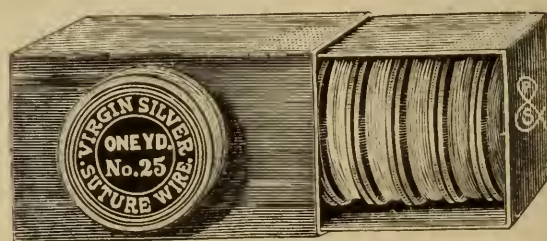
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B-2425



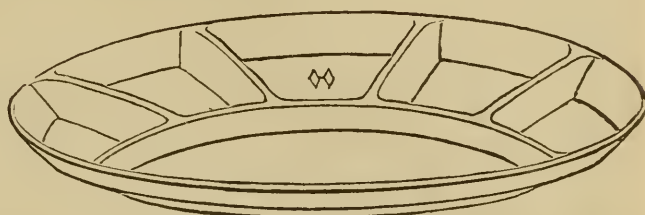
B-2500



B-2525



**B-2531-2532**



B-2533-2534



B-2407-2409

[illegible]

# Lukens Sterile Catgut

TRADE (Bartlett Process) MARK



Sizes, 00-1-2-3-4

Catgut-Plain	Per Dozen Tubes, \$2.50
Catgut-Tanned 20-Day	2.50
Catgut-Tanned 30-Day	2.50

## Lukens Catgut Double Dulox Needles TANNED TO RESIST DIGESTION



PAT. DEC.-22-14

Designed for the inner suture row of a lateral anastomosis and armed at both ends with **Dulox** needles which cannot come loose or catch when introduced.

Prepared in three sizes, 0-1-2

Price, Per Dozen Tubes . . . . . \$3.00

## Lukens Catgut Single Dulox Needle



PAT. DEC. 22-14

Prepared in three sizes, 0-1-2

Plain	Per Dozen Tubes, \$2.50
Tanned	2.50

Special Discounts on Quantity Lots



# Catgut <sup>on</sup> Lukens Ligating Reel

TEN FOOT LENGTH



PATENTS PENDING

Plain and Tanned  
Sizes, 00—0—1—2

Price, Per Dozen Tubes . . . . . \$3.50

# Lukens Oyloidin Silk

WITH NEEDLE



White and Iron Dyed  
Sizes, 1—2—3

Price, Per Dozen Tubes . . . . . \$2.50

# Lukens Oyloidin Linen

WITH NEEDLE

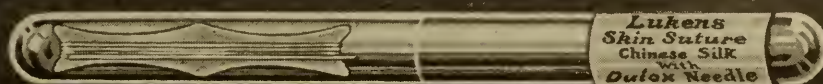


Natural and Iron Dyed  
Sizes, 1—2—3

Price, Per Dozen Tubes . . . . . \$2.50

# Lukens Skin Sutures

CHINESE SILK WITH *Dulox* NEEDLE



White

Price, Per Dozen Tubes . . . . . \$2.50

Special Discounts on Quantity Lots



# *Lukens Sterile Horsehair*

## 36 INCH LENGTHS



Price, Per Dozen Tubes . . . . . \$2.50

# *Lukens Sterile Bone Wax*

## PAT. 10-1-12



These patent containers permit a rapid and clean application  
to the oozing surfaces

Price, Per Dozen Tubes . . . . . \$2.50

# *Lukens Blood Vessel Sutures*

## WITH NEEDLE



White	Iron Dyed
Price, Per Dozen Tubes . . . . . \$2.50	

# *Lukens Umbilical Tape*



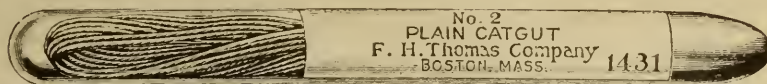
Extra Wide Silk Tape, each tube containing two sections;  
each fourteen inches in length

Price, Per Dozen Tubes . . . . . \$2.50

Special Discounts on Quantity Lots



## "THOMAS" STERILE LIGATURES (In Hermetically Sealed Glass Tubes)



### THOMAS STERILE CATGUT

Prepared in a well equipped laboratory conducted with the same attention to asepsis as is observed in the best operating rooms.

**Raw Material**—Only the finest violin quality gut used, selected with special reference to its surgical utility.

**Tensile Strength**—Each lot is carefully tested in a strength testing machine both before and after preparation.

**Sterilization**—Is accomplished by the most approved modern methods which will not injure the gut.

**Bacteriological Tests**—After sealing, a certain percentage of our tubes of sutures and ligatures are tested by a leading Bacteriologist of Harvard Medical School, under an incubation of fourteen days in various sterile media.

**Certification**—Each batch is put up under a certified number and records are open for inspection at any time.

Plain Catgut—Sizes 00, 0, 1, 2, 3, 4  
(60 inches to the tube), per dozen..\$2.00

Chromicized Catgut—Sizes 00, 0, 1, 2,  
3, 4 (60 inches to the tube), per  
dozen ..... 2.00

#### Iodized (Bartlett Method) Catgut

Plain—Sizes 00, 0, 1, 2, 3, 4 (60  
inches to the tube), per dozen.....\$2.00

Tanned, 20 Days—Sizes 00, 0, 1, 2, 3,  
4 (60 inches to the tube), per dozen 2.00

#### Miscellaneous Ligatures

Silkworm Gut—Plain and iron dyed.  
Fine, medium and coarse, per  
dozen .....\$2.00

Kangaroo Tendons—Fine, medium and  
coarse, per dozen..... 2.50

Horse Hair—Selected quality, per  
dozen ..... 2.00

Silk—Twisted, white and iron dyed.  
Sizes 1, 3, 5, 7, 9, 11, 13, 15, per  
dozen ..... 2.00

#### Emergency Ligatures

(For minor operations)

Plain Catgut—Sizes 00, 0, 1, 2, 3, 4  
(20 inches to the tube), per dozen.\$1.00

Chromicized Catgut, 20 Day—Sizes  
00, 0, 1, 2, 3, 4 (20 inches to the  
tube), per dozen..... 1.00

#### Sterile Sutures

Plain Catgut—With full curved, and  
half curved needles. Sizes 5, 9, 13,  
17, per dozen..... 2.00

Chromicized Catgut, 20 Day—With  
full curved needles. Sizes 5, 9, 13,  
17, per dozen..... 2.00

Silkworm Gut—Plain and iron dyed.  
With full curved and half curved  
needles. Sizes 5, 9, 13, 17, per  
dozen ..... 2.00

Silk Twisted—White and iron dyed.  
With full curved and half curved  
needles. Sizes 5, 9, 13, 17, per  
dozen ..... 2.00

#### Intestinal Sutures

Pagenstecher, Celluloid Thread—With  
straight intestinal needle, per  
dozen ..... 2.00

Silk, Iron Dyed—With straight intes-  
tinal needle, per dozen..... 2.00

# "VanHorn," STERILIZED SUTURES

FOR  
MINOR SURGERY

(Complete catalogue on request)



	Per doz. tubes
"VanHorn," Emergency Plain Catgut (20 in. in each tube) Sizes: 00, 0, 1, 2 and 3	\$1.00
"VanHorn," Emergency Plain Catgut (30 in. in each tube) Threaded on straight, curved or half-curved needle Sizes: 00, 0, 1, 2 and 3	2.25
"VanHorn," Emergency Chromic Catgut (20 in. in each tube) Four resistances: 10, 20, 30 and 40 day Sizes: 00, 0, 1 and 2	1.00
"VanHorn," Emergency Chromic Catgut (30 in. in each tube) Four resistances: 10, 20, 30 and 40 day Threaded on straight, curved or half-curved needles Sizes: 00, 0, 1 and 2	2.25
"VanHorn," Emergency Horsehair (two 14-in. strands in a tube)	1.00
"VanHorn," Emergency Horsehair (one 14-in. strand in a tube) Threaded on straight, curved or half-curved needle, with extra unthreaded strand	2.25
"VanHorn," Emergency Silk (20 inches in each tube) White or black. Sizes: 00 to 2	- - 1.00
"VanHorn," Emergency Silk (30 inches in each tube) Woven on straight, curved or half-curved needle White or black. Sizes: 00 to 2	- - 2.25
"VanHorn," Emergency Silkwormgut (two 14-in. strands in a tube) White, black or red. Sizes: fine, medium, heavy	1.00
"VanHorn," Emergency Silkwormgut (one 14-in. strand in a tube) Threaded on straight, curved or half-curved needle, with extra unthreaded strand White, black or red. Sizes: fine, medium, heavy	2.25
"VanHorn," Circumcision Sutures, Plain Catgut Threaded on No. 18 curved needle Sizes: 00 or 0	- - - 2.25
"VanHorn," Obstetrical Suture, Chromic Catgut Specially chromicized. With No. 6 curved needle	- - - 3.00
"VanHorn," Obstetrical Suture, Silk With No. 6 curved needle	- - - 3.00
"VanHorn," Obstetrical Suture, Silkwormgut With No. 6 curved needle	- - - 3.00

Made by

VAN HORN and SAWTELL

15 and 17 East 40th Street, New York



# *"VanHorn"* STERILIZED SUTURES



## FOR MAJOR SURGERY

(Complete catalogue on request)

	Per doz. tubes
<i>"VanHorn."</i> Plain Catgut (5 feet in each tube) - - - -	\$2.50
Sizes: 000, 00, 0, 1, 2, 3 and 4	
<i>"VanHorn."</i> Chromic Catgut (5 feet in each tube) - - - -	2.50
Four resistances in striated muscle: 10, 20, 30 and 40 day Sizes: 000, 00, 0, 1, 2, 3 and 4	
<i>"VanHorn."</i> Horsehair (6 strands in each tube) - - - -	2.50
<i>"VanHorn."</i> Intestinal Suture (black silk woven on straight needle) - - - - - - - - - -	2.25
Sizes: 00, 0 and 1	
<i>"VanHorn."</i> Kangaroo Tendons (2 tendons in each tube) -	2.50
Sizes: fine, medium and heavy	
<i>"VanHorn."</i> Linen—Black (5 feet in each tube) - - - -	2.50
Sizes: 00 and 0	
<i>"VanHorn."</i> Silk—Braided, white or black - - - - -	2.50
(Length varies with size) Sizes: 00 to 0	
<i>"VanHorn."</i> Silk—Twisted, white or black - - - - -	2.50
(Length varies with size) Sizes: 00 to 0	
<i>"VanHorn."</i> Silk—Arterial Suture, white or black - - -	3.00
<i>"VanHorn."</i> Silkwormgut, white, black or red - - - -	2.50
(5 14-inch strands in each tube) Sizes: X fine, fine, medium and heavy	
<i>"VanHorn."</i> Silkwormgut, white, black or red - - - -	3.00
(5 14-inch strands in each tube) Size: XX fine	
<i>"VanHorn."</i> Silkwormgut, white, black or red - - - -	2.50
(4 14-inch strands in each tube) Size: X heavy	
<i>"VanHorn."</i> Silver Wire (12-inch strand) - - - - -	2.50
Gauges: 23 to 30	

Made by

VAN HORN and SAWTELL

15 and 17 East 40th Street, New York

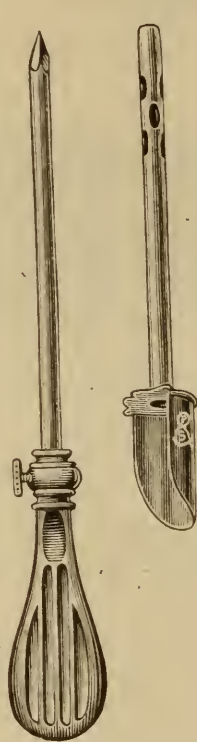
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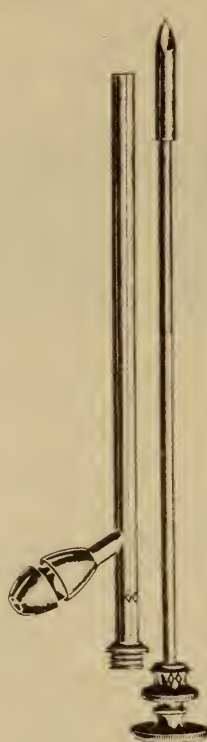
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B-2860



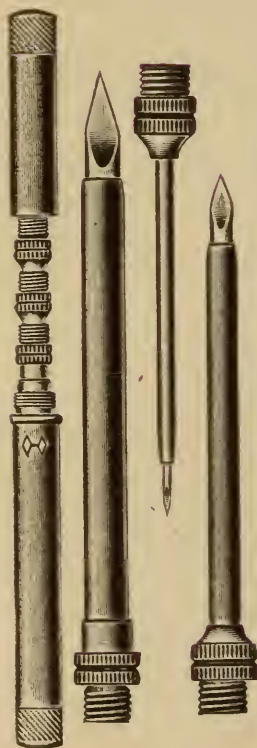
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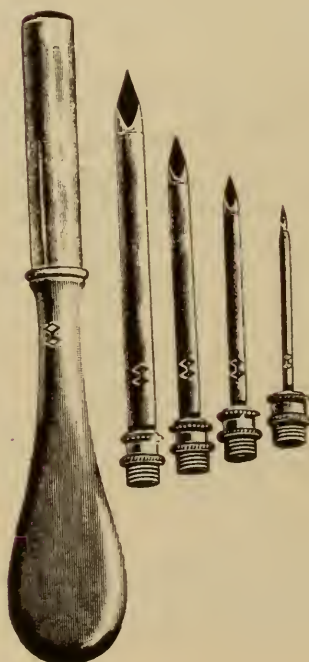
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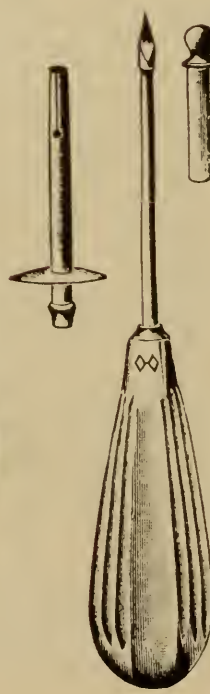
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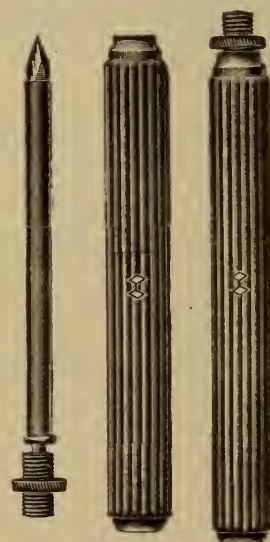
B-2865



B-2880



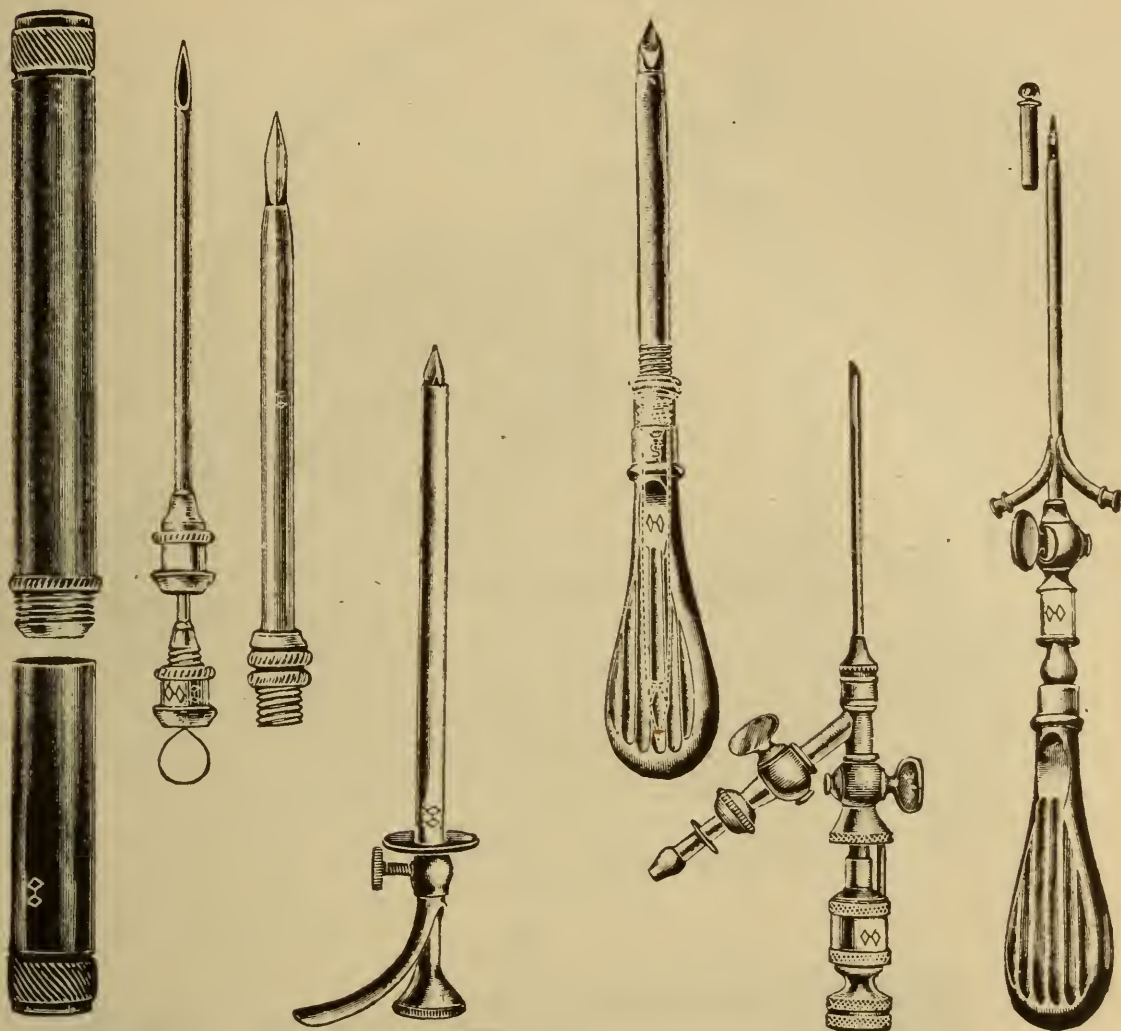
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B-2835



## GENERAL OPERATING



B-2825

B-2844

B-2862

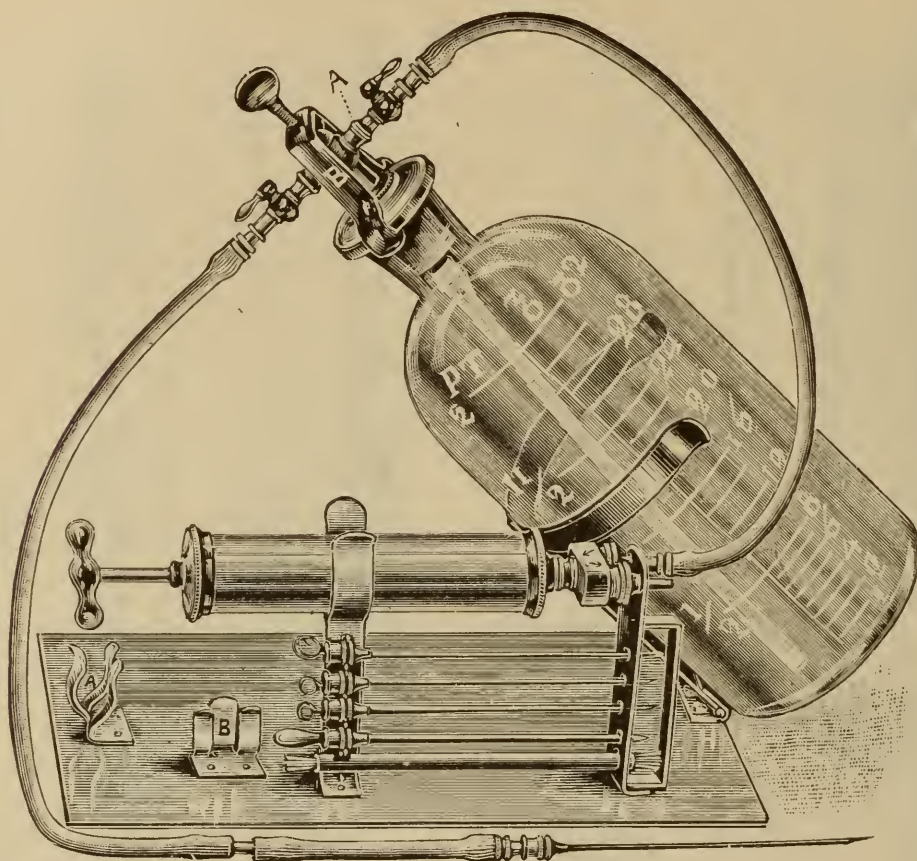
B-2854

B-2842

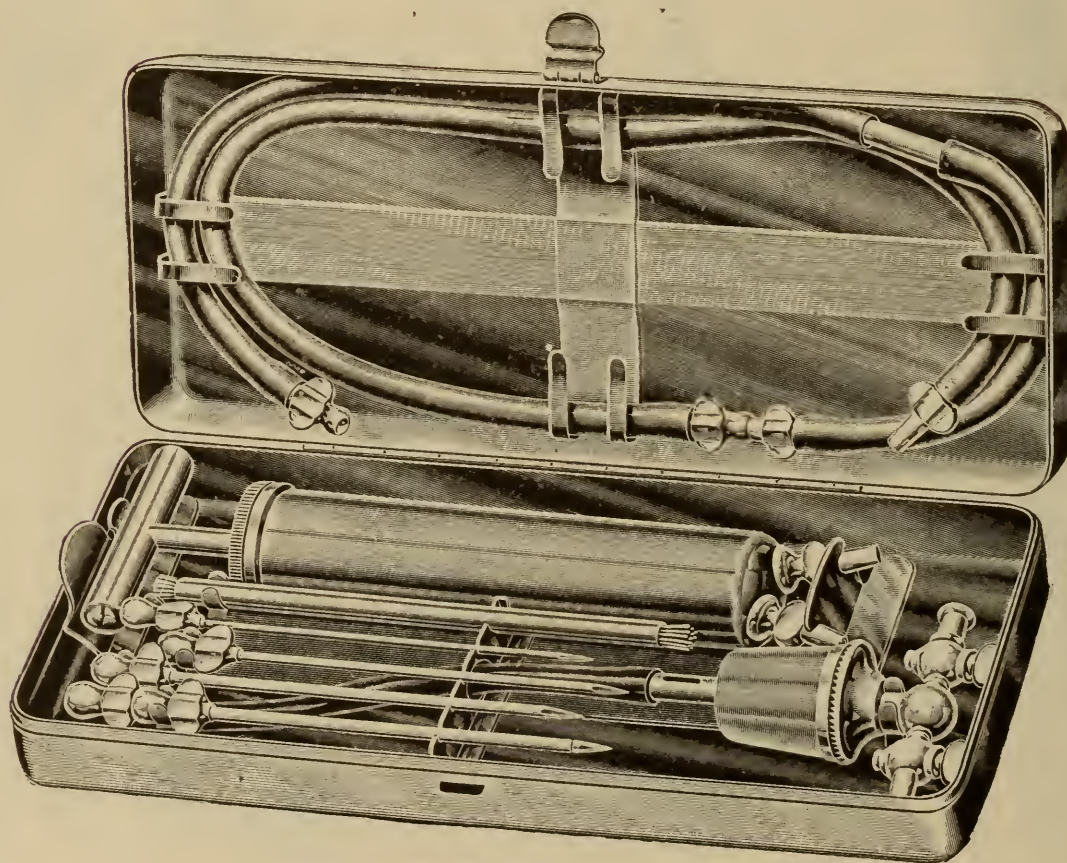
## TROCARS

*B-2800	Trocar, anasarca, Southey's .....	\$3.50
B-2805	Trocar, Birch's, with perforated canulae.....	1.50
*B-2810	Trocar, Emmet's, small, No. 10 French scale.....	2.75
B-2815	Trocar, exploring, German silver canulae.....	85
B-2825	Trocar, Fowler's, pocket, with salt infusion needles.....	1.75
*B-2830	Trocar, Guitera's, perineal .....	2.00
B-2835	Trocar, Haslam's, pocket .....	1.00
B-2840	Trocar, Haslam's, reversible .....	1.25
B-2842	Trocar, Kashimura's, thoracic, with stop cock.....	5.25
B-2844	Trocar, Lower's, for suprapubic drainage of bladder.....	2.50
B-2850	Trocar, Ochsner's, gall bladder, 3 sizes, $\frac{1}{8}$ , $\frac{3}{16}$ , $\frac{1}{4}$ in. diameter.....each	1.75
B-2854	Trocar, Robinson-Brauer's, thoracic, for pneumo-thorax.....	7.25
B-2860	Trocar, plain, reversible, with off-flow scoop.....	1.25
B-2861	Trocar, with disc and snap canulae, 3 sizes.....each	1.50
B-2862	Trocar, flat handle, reversible, 4 sizes.....each	1.25
B-2865	Trocar, telescopic, pencil case form, 3 in set.....	2.50
*B-2870	Trocar, telescopic, pencil case form, 4 in set.....	2.75
*B-2875	Trocar, telescopic, flat handle form, 3 in set.....	2.75
B-2880	Trocar, telescopic, flat handle form, 4 in set.....	3.50

## ASPIRATORS



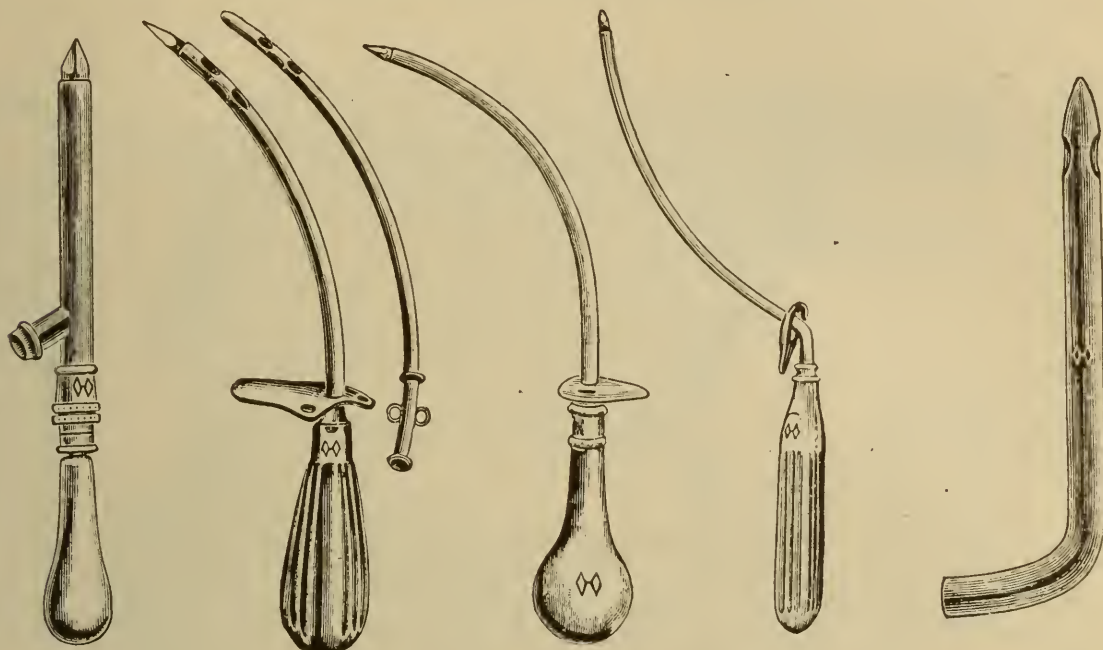
B-2935-2940



B-2925-2930



# TROCARS AND ASPIRATORS



B-2890

B-2920

B-2915

B-2910

B-2905

## TROCARS, OVARIAN

B-2890	Emmet's .....	\$ 3.00
B-2900	Pean's .....	4.25
B-2905	Wylie's, blunt .....	2.50
*B-2906	Wylie's, sharp .....	3.00

## TROCARS, VESICAL

B-2910	Buck's .....	2.75
B-2915	Plain .....	2.00
B-2920	Fleurant's .....	4.00

## TROCARS

B-2924	Aspirator, 3 sizes, each.....	.60
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## ASPIRATORS

B-2925	Potain's Aspirator, complete as shown, with leather packing.....	9.50
B-2930	Potain's Aspirator, complete as shown, with metal packing.....	10.50
B-2935	Haslam's, Potain Aspirator, complete as shown, with leather packing.....	15.00
B-2940	Haslam's, Potain Aspirator, complete as shown, with metal packing.....	16.50

This form of Potain's aspirator is very desirable, with new clamp for holding in the stopper during injection. It has the graduated bottle so mounted on metal plate that it may stand erect while being used, and closed down for carrying. The case is of morocco, with handle. Aspirator, bottle and all the fittings may be removed intact from case for use or sterilization.

*B-2942	Stomach Pump Attachment, to be used with either the Haslam or Potain aspirator .....	6.00
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**NOTE.**—Aspirator Syringes will be found illustrated on page 83.



B-2924

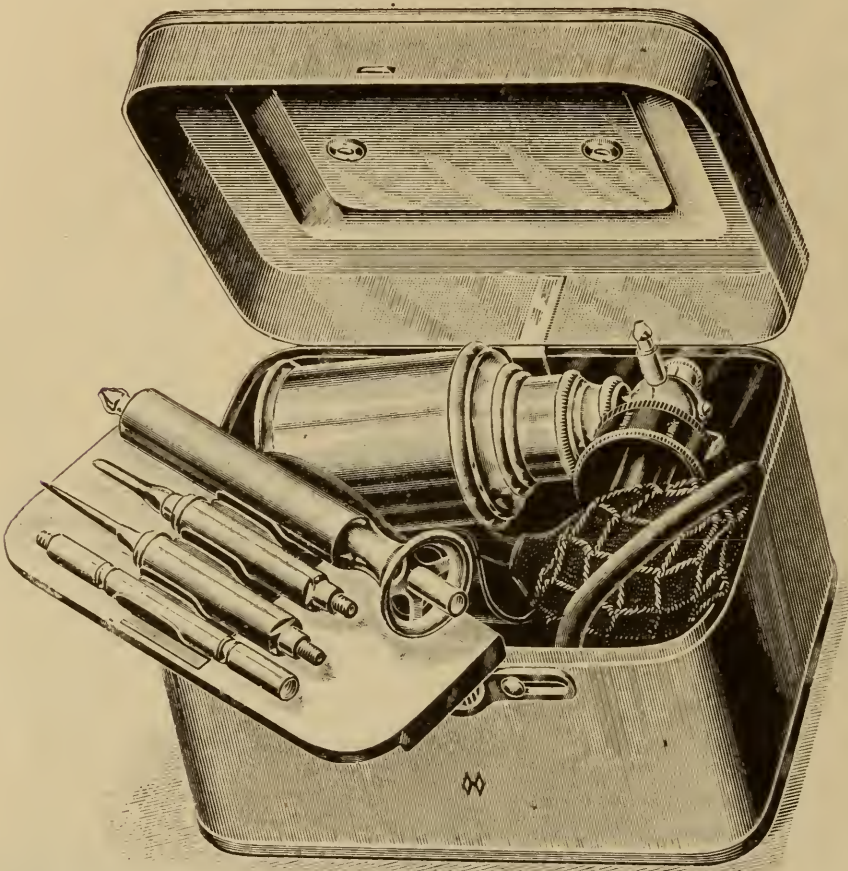


B-2900

GENERAL OPERATING



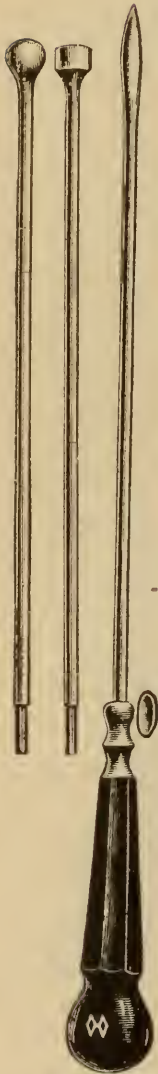
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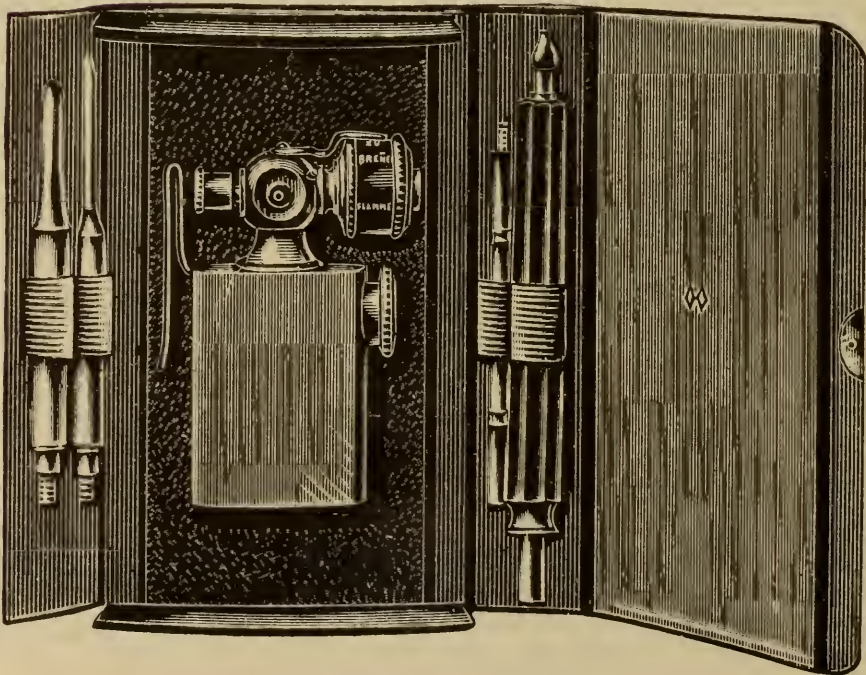
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B-2956



B-2958



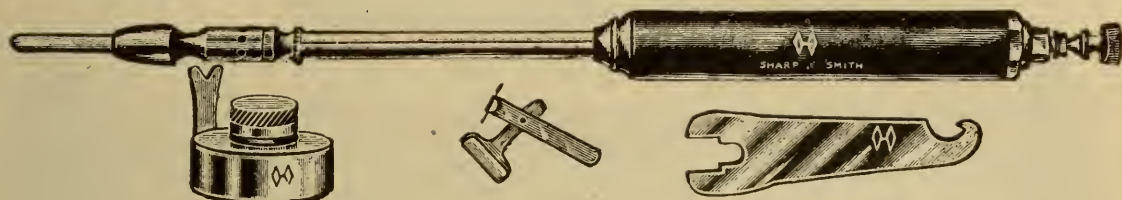
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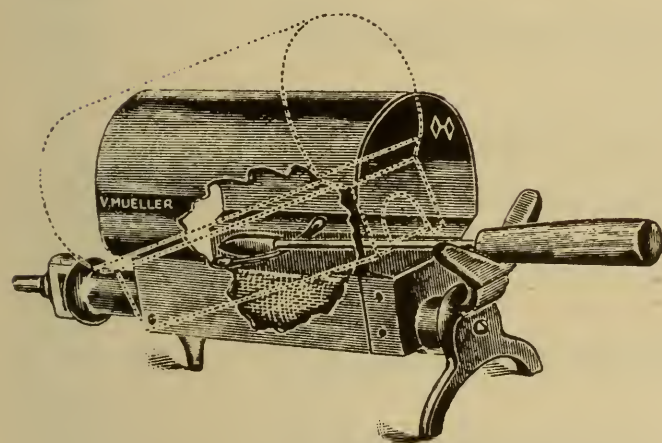
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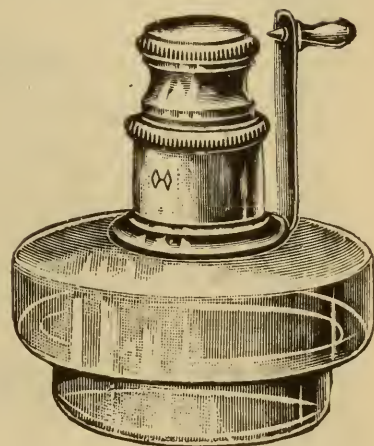
## GENERAL OPERATING



B-2948



B-2994



B-2992

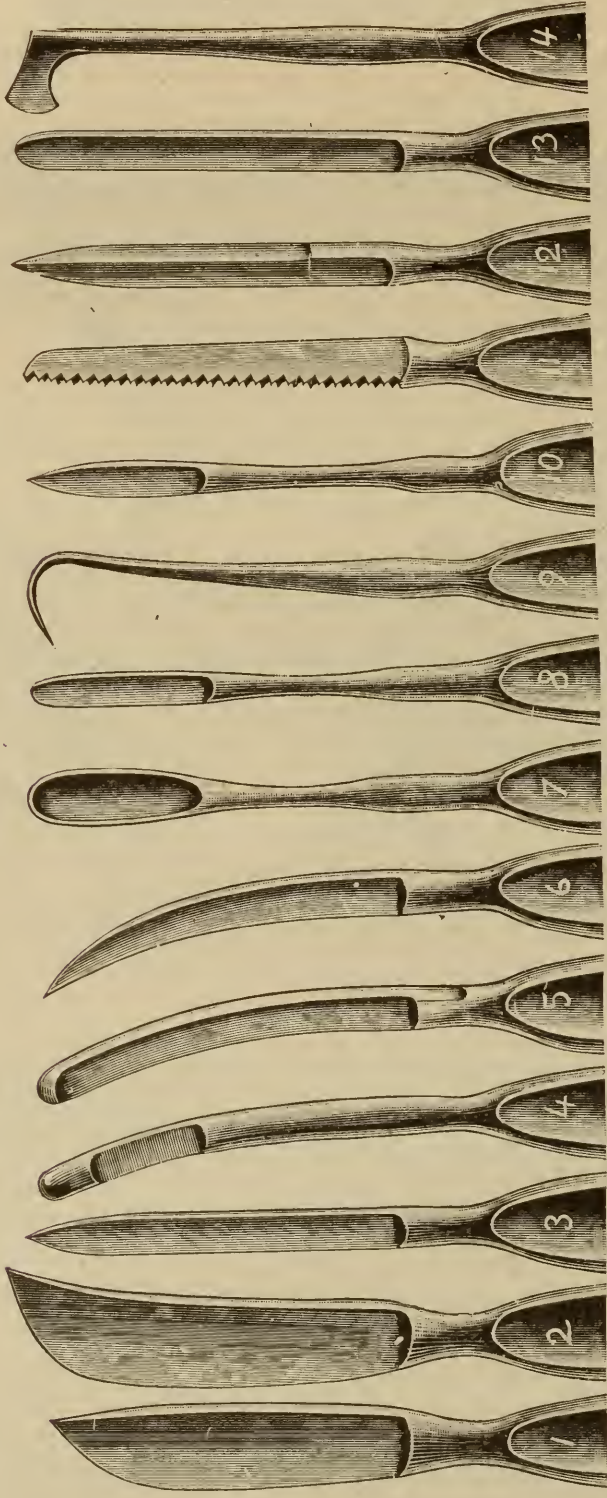
## THERMO AND ACTUAL CAUTERIES

B-2946	"Simplex" Pocket Thermo Cautery, complete with 1 knife burner, 1 button point burner, reservoir with three way cock, bulbs, in compact folding leather case.....	\$30.00
B-2947	"Simplex" Thermo Cautery, complete with 1 knife burner, 1 button point burner, reservoir, with 3 way cock, bulbs, in metal case.....	37.50
B-2948	Perfected Auto Ether Cautery, complete with alcohol lamp, wrench, cleaning needles and one point, in neat washable roll.....	15.00
*B-2952	Cautery Bulbs, pure gum.....	1.50
B-2954	Thermo Cautery Burner, platinum, knife shape.....	net 12.00
B-2956	Thermo Cautery Burner, platinum, button point.....	each 15.00
B-2958	Actual Cautery Irons, set of 3, fitting into 1 handle.....	4.50
*B-2961	Actual Cautery Irons, round point, rigid handle.....	each 2.50
*B-2962	Actual Cautery Irons, flat button point, rigid handle.....	2.50
*B-2963	Actual Cautery Irons, conical point, rigid handle.....	each 2.50
B-2985	Actual Cautery Coppers, light, with wood handles.....	.25
B-2992	Alcohol Lamp, for heating Thermo Cautery burners.....	1.75
B-2994	Gas Stove, for heating actual Cautery burners.....	3.00

GENERAL OPERATING



B-2995



B-3000

POCKET CASE KNIVES

The knives illustrated above are of American manufacture, hand forged blades, full 5½ inches in length and are fully guaranteed in every respect.

B-3000 is made in two different styles of finish, the bright nickel and the dull brush finish. In ordering specify the style wanted.

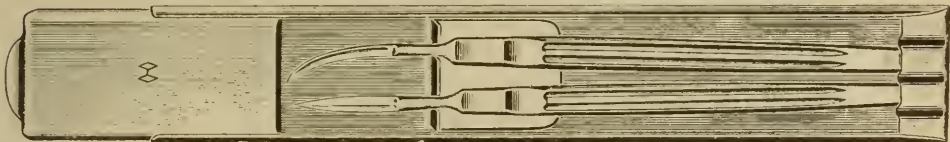
B-2995	Pocket Case Knife, concave handle, any style blade.....	\$0.90
B-3000	Pocket Case Knife, plain handle, any style blade.....	.75
*B-3005	Pocket Case Knife, plain handle, short, imported.....	.60
*B-3008	Pocket Case Knife, 4 blades, aluminum handle, folding, in pouch.....	3.75
*B-3009	Pocket Case Knives, double, aluminum handle.....	2.25



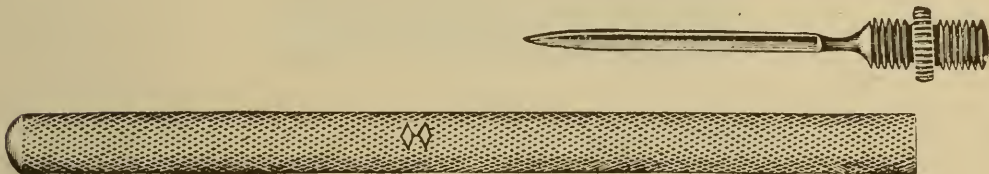
GENERAL OPERATING



B-3014



B-3013



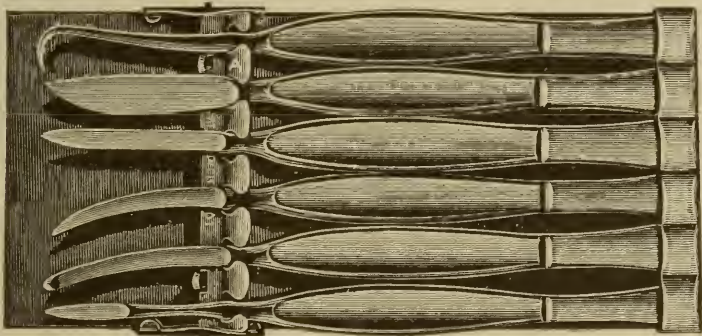
B-3011



B-3012

B-3011	Abscess Lancet, single edge, in reversible pencil case.....	\$1.50
B-3012	Abscess Lancet, double edged, in reversible pencil case.....	1.50
B-3013	Abscess Lancet, set of 2 knives, in metal carrying case.....	3.00
B-3014	Caustic Holder, aluminum, reversible.....	1.25

METAL KNIFE RACK FOR POCKET CASES

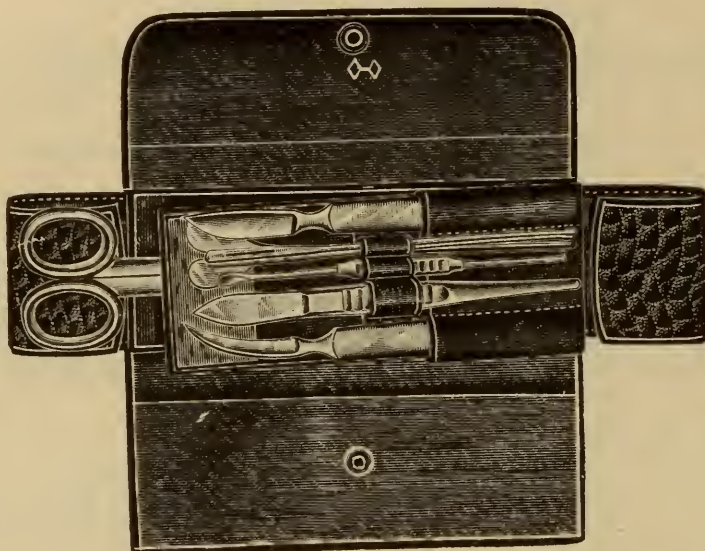


B-3020

This knife rack is made of brass, nickel plated, is made for four or six knives, has a movable rack engaging the shanks of the knife blades, permitting the knife to be raised for withdrawal from its proper sheath, also for holding the edges of the knives from the bottom of the tray should the entire rack be placed in the sterilizer for boiling. It can be supplied with any of our leather pocket cases holding four or six knives. The price of this rack should be added to that of the pocket case ordered, if wanted. Metal racks are only sold with complete pocket cases at prices quoted.

*B-3010	Metal Knife Rack, for four knives.....	\$1.50
B-3020	Metal Knife Rack, for six knives.....	1.50

## GENERAL OPERATING



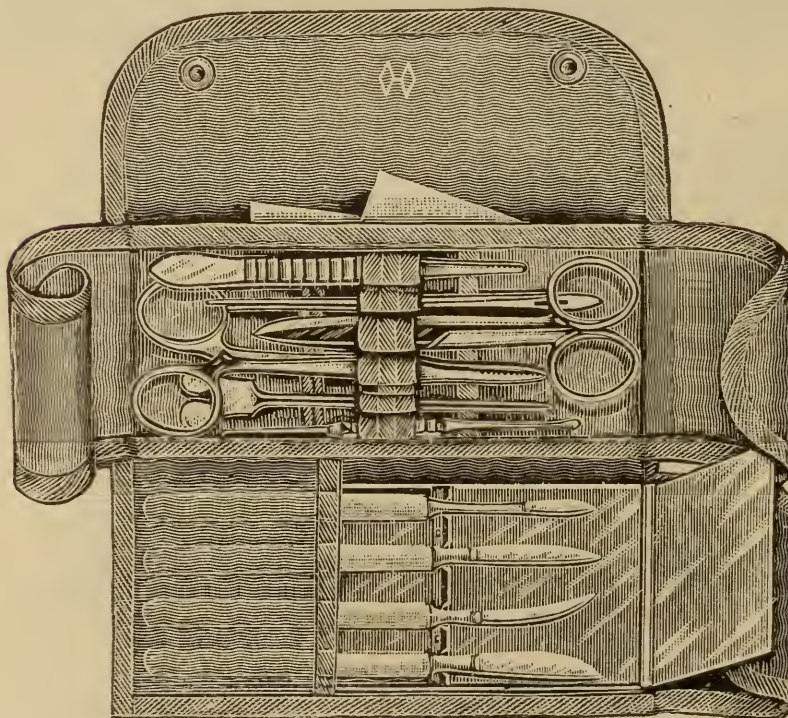
B-3024

**VEST POCKET EMERGENCY CASE No. 1**

- B-3024 Vest Pocket Case No. 1. Contents: 2 Little's knives, 1 straight scissors, 1 thumb forceps, 1 director and tongue tie, 1 Gross' hook and spoon, needles and silk, in fine black grained leather case.....\$4.50

**VEST POCKET EMERGENCY CASE No. 2**

- \*B-3035 Vest Pocket Case No. 2. Contents: 2 Little's knives, 1 straight scissors, 1 thumb forceps, 1 director and tongue tie, 2 probes, 1 Gross' ear spoon and hook, 1 Pean's haemostatic forceps, needles and silk, in fine black leather case.....\$4.75
- \*B-3040 Vest Pocket Case No. 2, in fine black grain leather case..... 4.75



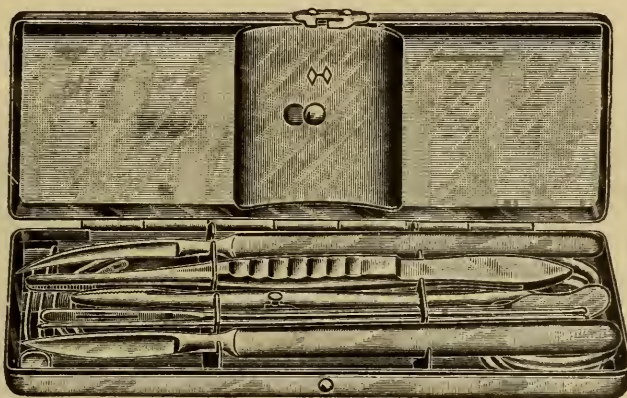
B-3047

**ARTHUR POCKET INSTRUMENT SET**

- B-3047 Arthur's Pocket Instrument Set. Contents: 4 knives, 1 thumb dressing forceps, 1 director and tongue tie, 1 pair probes, 1 straight scissors, 1 artery forceps, 1 Gross' ear spoon and hook, needles and silk, in a closely woven, high grade Khaki Canvas case that can be easily washed or sterilized.....\$7.00



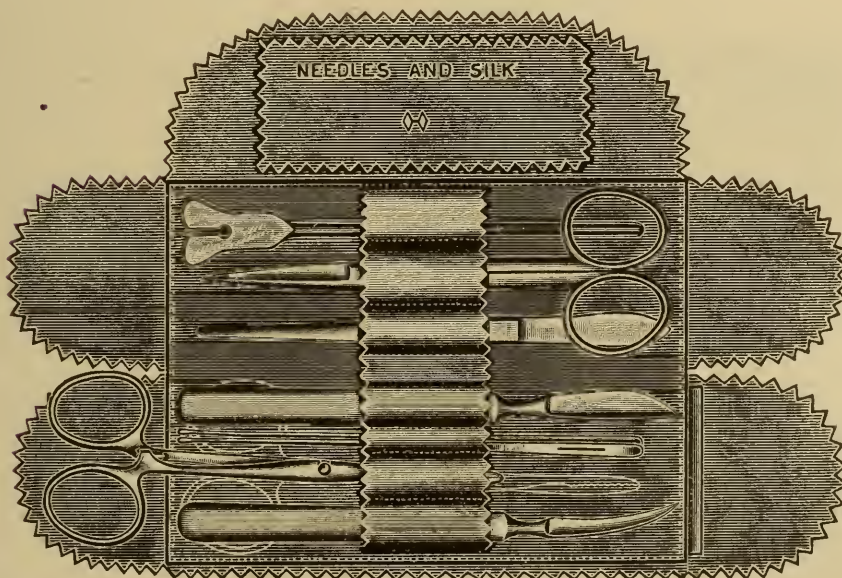
## GENERAL OPERATING



B-3175

## METAL VEST POCKET CASES Nos. 3 and 4

- \*B-3170 Metal Vest Pocket Case No. 3. 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. The case is made of metal, nickel plated, with cloth button pouch for carrying same.....\$5.50
- B-3175 Metal Vest Pocket Case No. 4. Contents: 2 Little's knives, 1 straight scissors, 1 thumb forceps, 1 director and tongue tie, 2 probes, 1 Gross' ear hook and spoon, 1 Pean's haemostatic forceps, needles and silk. The case is made of metal, nickel plated, with cloth button pouch for carrying same..... 6.00



B-3178

## DOUGLASS' EMERGENCY VEST POCKET CASE

- B-3178 Douglas' Emergency Vest Pocket Case. Contents: 2 Little's knives, 1 straight scissors, 1 thumb forceps, 1 director and tongue tie, 2 probes, 1 Pean's haemostatic forceps, needles and silk, in washable roll having an outline of each instrument indelibly printed on the back. The carrying case is of German silver, nickel plated..... 6.00



## GENERAL OPERATING

**B-3045. POCKET CASE No. 26**

B-3045 Pocket Case No. 26. Contents: 4 long knives, 1 straight scissors, 1 thumb forceps, 1 Pean's forceps, 2 probes, 1 director and tongue tie, 1 ear hook and spoon, needles and silk.

B-3045 Pocket Case No. 26, with fine concave handle knives.....\$7.75

\*B-3050 Pocket Case No. 26, with plain handle knives.....\$6.75

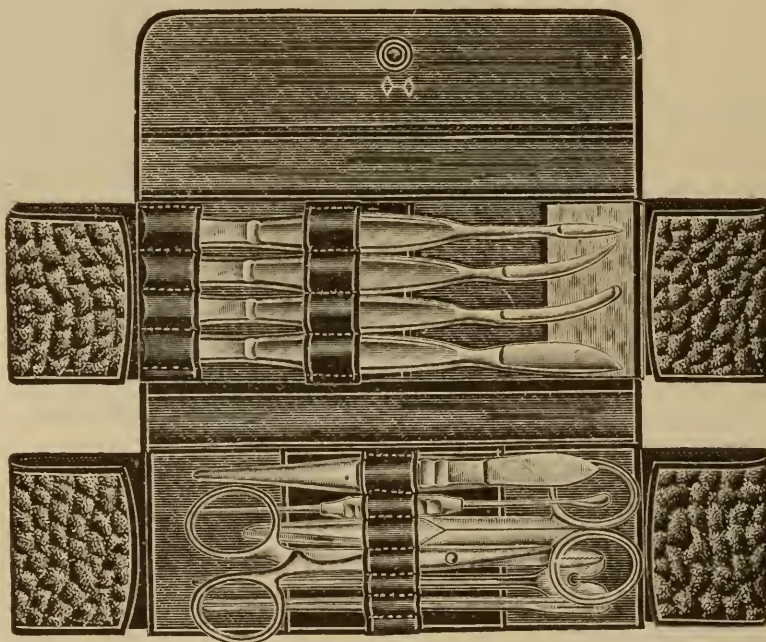
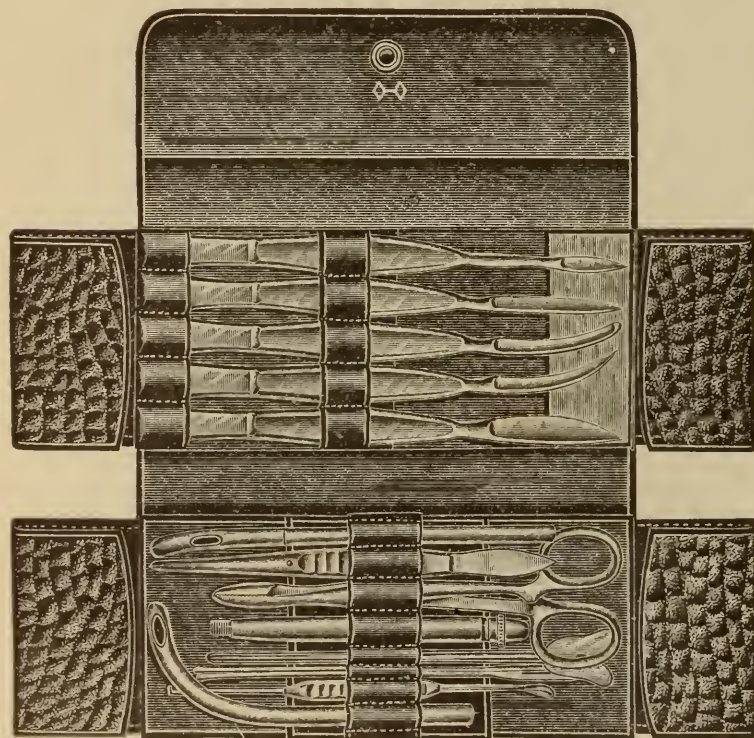
Cases put up in black morocco grain leather.

\*B-3055 Pocket Case No. 11. Contents: 4 long knives, 1 straight scissors, 1 thumb forceps, 1 Pean's forceps, 1 exploring needle, 1 ear spoon and director, 2 probes, Keen's needle holder, needle and silk.

\*B-3055 Pocket Case No. 11, with fine concave handle knives.....\$9.00

\*B-3060 Pocket Case No. 11, with plain handle knives.....\$8.00

Cases put up in black morocco grain leather.

**B-3045****B-3065. POCKET CASE No. 102**

B-3065 Pocket Case No. 102. Contents: 5 long knives, 1 Parker's catheter and caustic holder, 1 thumb forceps, 1 straight scissors, 1 Pean's needle forceps, 1 ear hook and spoon, 1 director and tongue tie, 2 probes, needles and silk.

B-3065 Pocket Case No. 102, with fine concave handle knives.....\$10.00

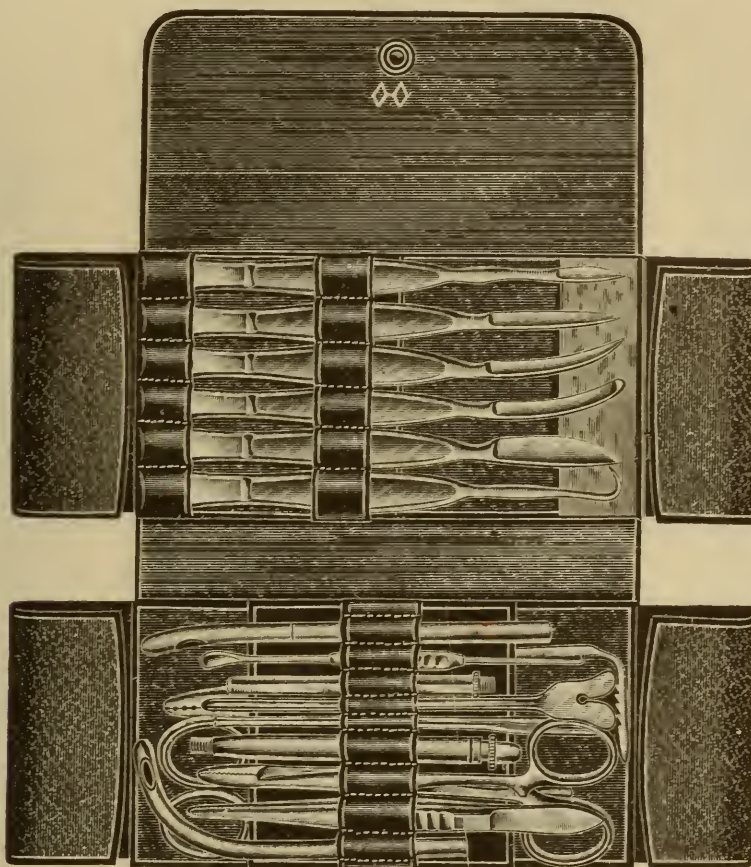
\*B-3070 Pocket Case No. 102, plain handle knives .....\$3.50

Cases put up in black morocco grain leather.

**B-3065**



## GENERAL OPERATING

**B-3090. POCKET CASE No. 13**

- B3090 Pocket Case No. 13. Contents: 6 long knives, 1 thumb forceps, 1 Keen's needle forceps, 1 straight scissors, 4½ inch, 1 Pean's forceps, 1 ear hook and spoon, 1 Parker's combined catheter and caustic holder, 1 exploring needle, 1 director and tongue tie, 2 probes, needles and silk.
- B-3090 Pocket Case No. 13, with fine concave handle knives.....\$13.50
- \*B-3095 Pocket Case No. 13, with plain handle knives..... 12.00

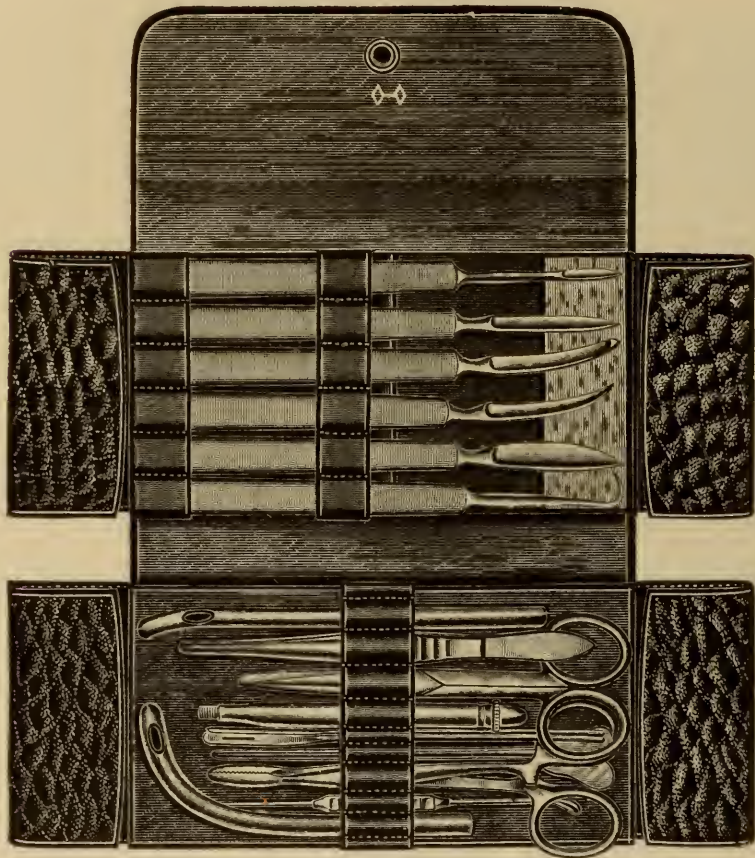
Cases put up in genuine morocco.

**B-3100. BLAKE'S 3-FOLD POCKET CASE No. 45**

- \*B-3100 Pocket Case, Blake's, No. 45. Contents: 8 long knives, 1 Blake's needle holder, 2 Pean's forceps, 1 combined male and female catheter, 1 curved scissors, 1 Nelaton's bullet probe, 1 exploring trocar, 1 director and aneurism needle, 2 probes, needles and silk.
- \*B-3100 Pocket Case, Blake's, No. 45, with fine concave handles.....\$15.00
- \*B-3110 Pocket Case, Blake's, No. 45, with plain handles ..... 13.50

This case is also supplied with metal knife rack B-3020. Case is put up in black seal grain leather.

GENERAL OPERATING



**B-3120. POCKET CASE No. 21**

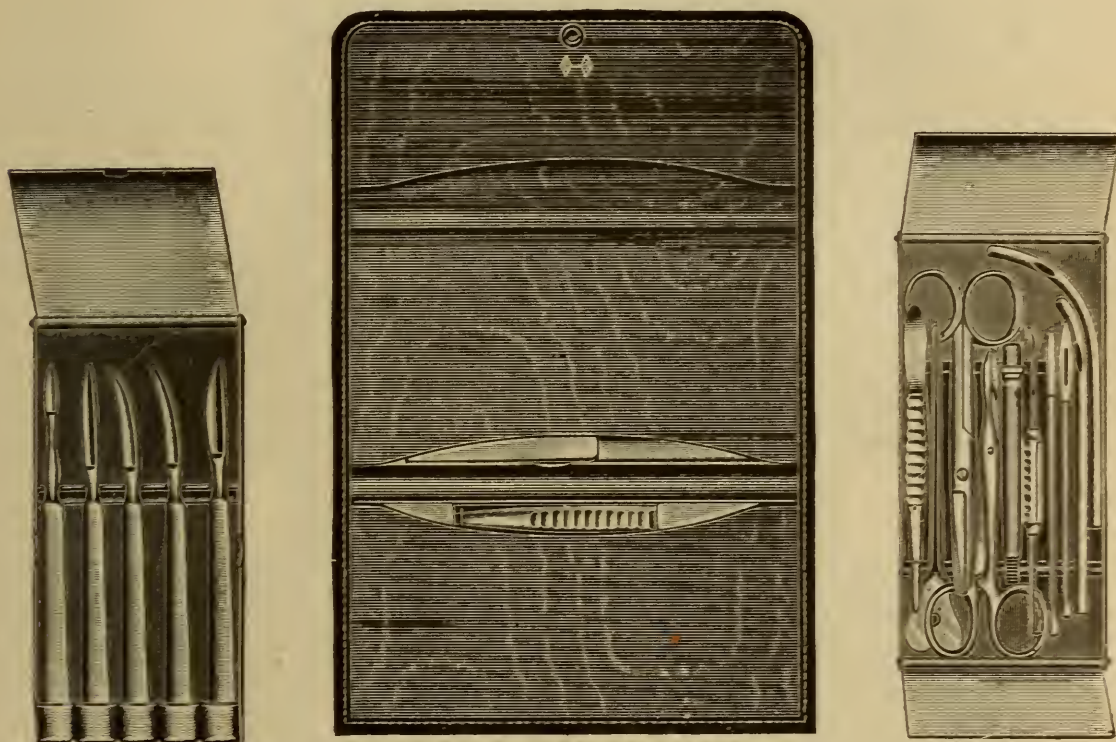
- B-3120 Pocket Case No. 21. Contents: Six long Little's knives, 1 straight scissors, 1 Parker's catheter with caustic holder, 1 Pean's needle forceps, 1 thumb forceps, 1 director and tongue tie, 1 ear hook and spoon, 2 probes, needles and silk.
- \*B-3115 Pocket Case No. 21, with fine concave handle knives.....\$10.50
- B-3120 Pocket Case No. 21, with plain handle knives..... 9.50
- Cases put up in black morocco and seal grain leathers.

**B-3125. POCKET CASE No. 40**

- B-3125 Pocket Case No. 40. Contents: 8 Little's long knives, 1 Keen's needle holder, 1 thumb forceps, 1 Pean's forceps, 1 exploring trocar, 1 Nelaton's bullet probe, 1 straight scissors, 1 combined male and female catheter, 1 director and aneurism needle, 2 Langenbeck's artery forceps, 2 probes, needles and silk.
- The case is of genuine morocco and is two fold.
- \*B-3125 Pocket Case No. 40, with fine concave handle knives.....\$15.00
- \*B-3130 Pocket Case No. 40, with plain handle knives..... 13.50



## GENERAL OPERATING



Patent Pending

**B-3157. THE WHITMARSH-DOUGLASS POCKET CASE**

Adopted by the U. S. Army

The new idea in Pocket Instrument Cases. The case is made up in the form of a regular card case, with three pockets; one for the reception of the metal tray holding the knives, one for the metal tray holding sundry instruments and the third for needles, silk, etc. The outer case is made of black grain leather lined with black watered silk. The metal trays are made of brass, nickel plated, and have hinged leaves which close down closely over the instruments to guard and hold them in place. The case when closed is flat and fits into the pocket without bulging. The outlines of the various instruments are etched on the bottom of the trays. There is no loss of time in returning the instruments to their proper places.

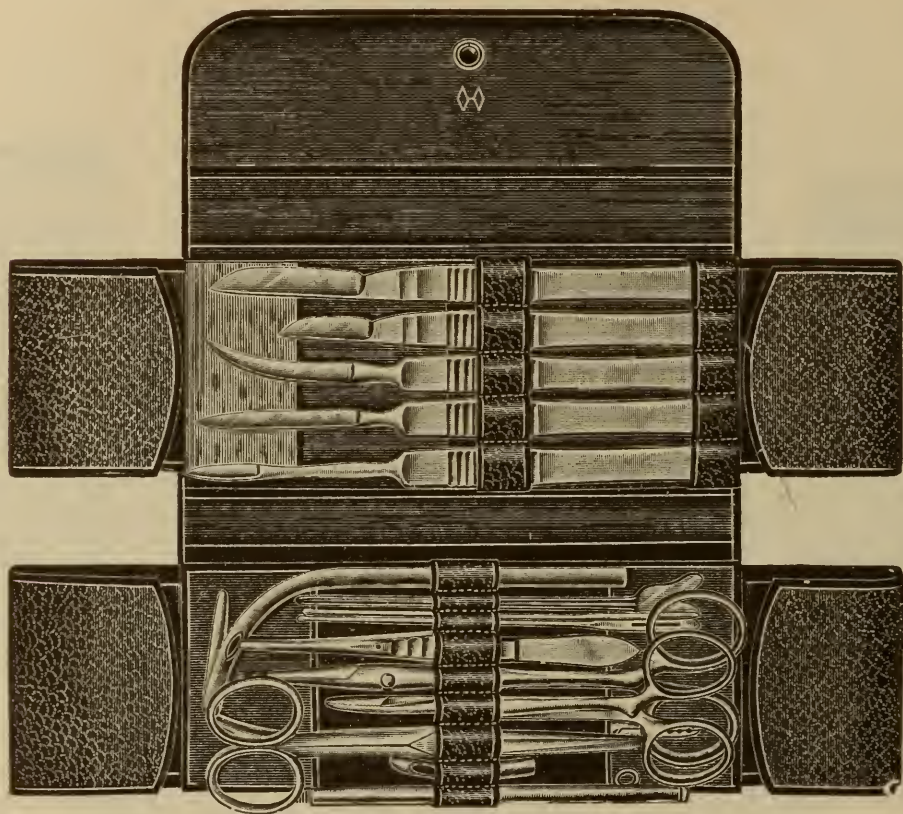
Contents: 1 scalpel, 1 curved sharp bistoury, 1 curved blunt bistoury, 1 straight sharp bistoury, 1 tenatome, 1 Pean's haemostatic forceps, 1 straight scissors, 1 spring dressing forceps, 1 groove director and tongue tie, 1 Gross' ear instrument, 1 male and female combined catheter with caustic holder, 1 pair silver probes, 1 dozen assorted needles, 1 card twisted silk.

B-3157	The Whitmarsh-Douglass Pocket Case, plain handled knives.....	\$11.50
*B-3158	The Whitmarsh-Douglass Pocket Case, concave handle knives.....	12.50
B-3159	The Whitmarsh-Douglass Pocket Case, plain handle knives, Khaki case	11.00
B-3161	The Whitmarsh-Douglass Pocket Case, concave handle knives, Khaki case .....	12.00
B-3162	The Whitmarsh-Douglass Pocket case, concave handle knives in fine grained black morocco case.....	13.00

**B-3135. POCKET CASE No. 100**

*B-3135	Pocket Case No. 100. 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.	
*B-3135	Pocket Case No. 100, with fine concave handle knives.....	\$ 9.50
*B-3140	Pocket Case No. 100, with plain handle knives.....	9.00
Cases put up in genuine morocco grain leather.		

GENERAL OPERATING



B-3155

B-3155. "THE JEFFERSON"

B-3155. "The Jefferson." This case is furnished with all that is best in the instrument line. The knives are all hand forged and are full length operating size. The forceps, scissors, etc., represent the most careful and satisfactory selection of instruments to be found in any pocket case and we can heartily recommend it to any surgeon who desires to obtain the best at a most reasonable price. Every instrument guaranteed to be made of the very best in material, construction, finish and design.

Contents: 5 operating knives, B-175, any style, 1 haemostatic forceps, Kelly's, 1 haemostatic forceps, Pean's, 1 straight scissors, 5½ inch, 1 male and female combined catheter, 1 spring dressing forceps, 4½ inch, 1 groove director and tongue tie, 1 pair silver probes, 4½ inch, 1 dozen needles, assorted, 1 card twisted silk.

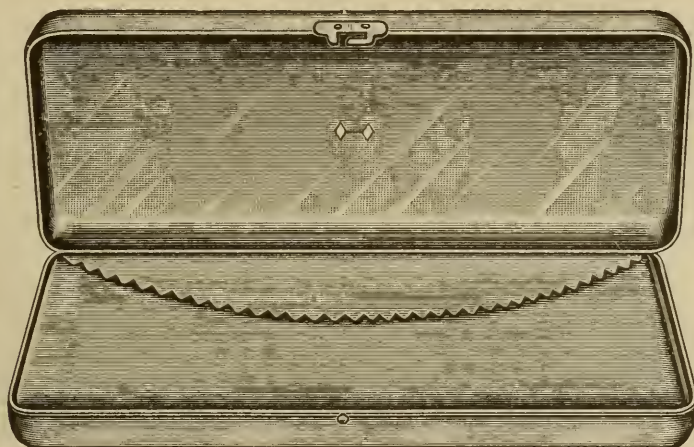
B-3155 Pocket Case, "The Jefferson".....\$12.50  
Case put up in genuine morocco grain leather.

B-3145. POCKET CASE No. 101

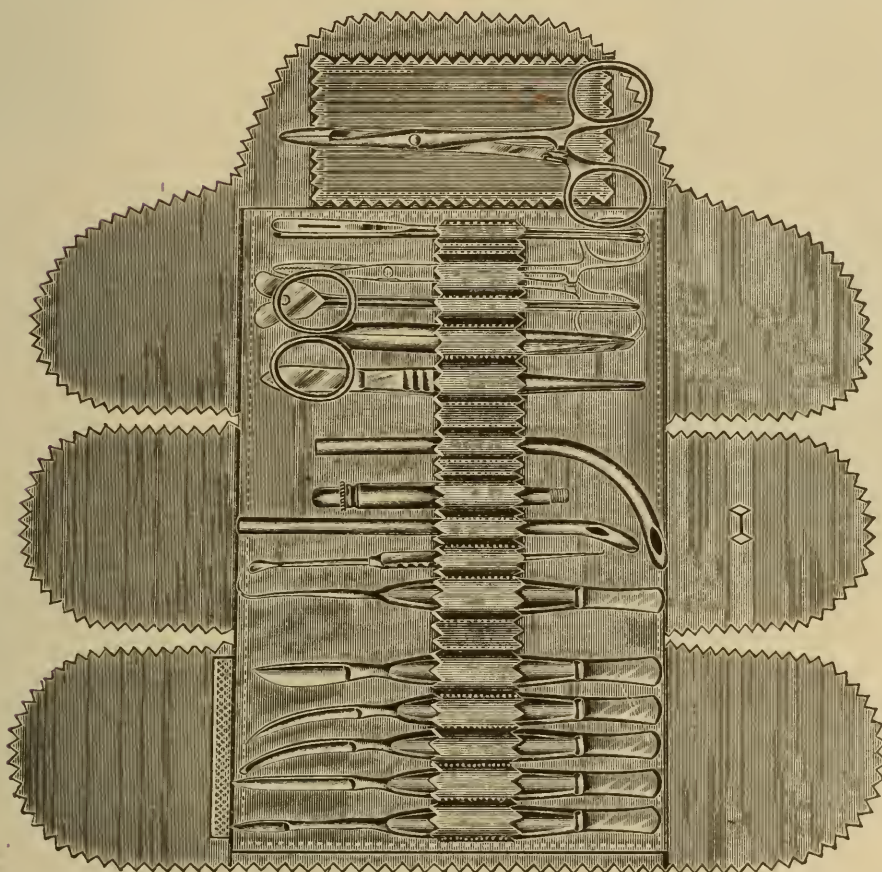
\*B-3145 Pocket Case No. 101. Contents: 6 long knives, 1 female catheter, 1 thumb forceps, 2 Pean's forceps, 1 straight scissors, 1 exploring needle, 1 ear hook and spoon, 1 director and tongue tie, 1 Keen's needle holder, 2 probes, 1 aspirating and infusion needle, needles and silk.  
\*B-3145 Pocket Case No. 101, with fine concave handle knives.....\$11.50  
\*B-3150 Pocket Case No. 101, with plain handle knives..... 10.50  
Cases are put up in black morocco grain leather.



## GENERAL OPERATING



Showing Roll in Metal Case

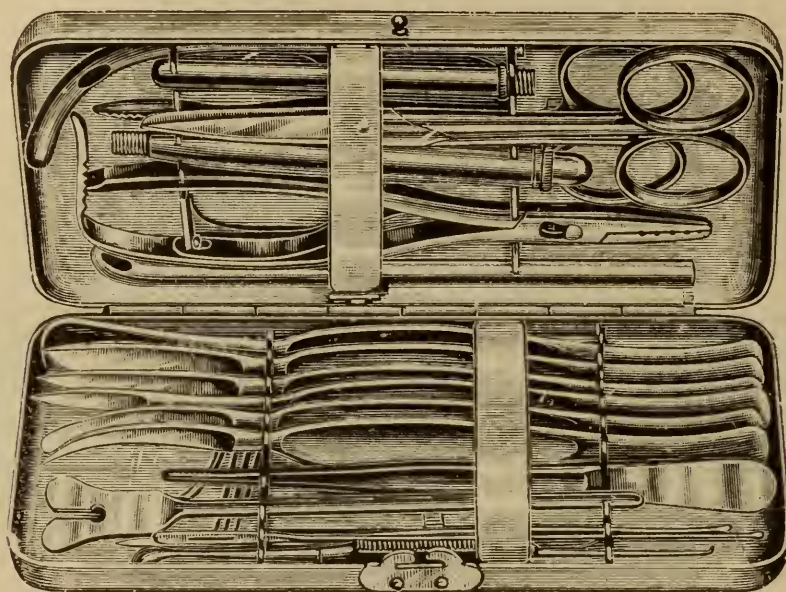
**B-3160. THE DOUGLASS POCKET CASE**

The instruments in this case are fitted in a roll of fine, white, washable twill with the outline of each instrument indelibly stamped so that each instrument can be readily returned to its proper place. The roll is carried in a fine German silver nickel plated case,  $\frac{3}{4}$  inch thick. It can be carried comfortably in the hip pocket.

The contents are the same as B-3120, No. 21, illustrated on page 216.

B-3160	Pocket Case, Douglass', with fine concave handle knives.....	\$10.50
*B-3165	Pocket Case, Douglass', with plain handle knives.....	9.50

## GENERAL OPERATING



B-3180

**B-3180. LITTLE'S METAL ASEPTIC POCKET CASE No. 25**

Contents: 6 special fine Little's knives, 1 fine scissors, 1 Pean's forceps; 1 Parker's catheter with caustic holder, 1 Keen's needle holder, 1 Gross' ear hook and spoon, 1 metal exploring needle, 1 flat end director, 2 probes, 1 thumb dressing forceps, needles and silk.

Case made of German silver, heavily plated. Racks are of metal and can be removed from the case. Measurements,  $5\frac{7}{8}$  inches long,  $1\frac{3}{4}$  inches wide,  $\frac{7}{8}$  inch thick. Furnished with cloth button pouch for carrying.

B-3180 Metal Pocket Case, No. 25, with fine concave handle knives.....\$13.50  
 \*B-3182 Metal Pocket Case, No. 25, with plain handle knives..... 12.00

**B-3210. ALL METAL NURSES' POCKET CASE**

Suggested by Maud Louise McKennie, of the University of Virginia,  
 and the Brooklyn Training School for Nurses

Contents: Soft rubber solid end catheter, all-metal hypodermic syringe, clinical thermometer, straight scissors, dressing forceps, improved manicure scissors, having nail files on the insides of handle and cleaner on the end of thumb ring, probe, 2 tablet vials, 6 hypodermic needles, in aluminum box, and box for pins, needles, etc. All in a finely polished and plated German silver case, with removable racks in a neat felt pouch.

\*B-3210 Nurses' Pocket Case, McKinnie's.....\$10.50

**B-3195. NURSES' POCKET CASE No. 52**

Contents: 1 hypodermic syringe, 1 scissors, 1 haemostatic and dressing forceps, 1 glass female catheter, 1 clinical thermometer. In round cornered satin lined case covered with chocolate colored morocco.

\*B-3195 Nurses' Pocket Case, No. 52.....\$ 5.00

**B-3200. NURSES' POCKET CASE No. 53**

Contents: 1 male and female catheter, 1 clinical thermometer, 1 scissors, 1 thumb dressing forceps, 1 pair probes. Case is made of fine black grain leather. Pocket case style, very neat and compact.

\*B-3200 Nurses' Pocket Case, No. 53.....\$ 4.00

**B-3205. NURSES' POCKET CASE No. 54, "BELLEVUE HOSPITAL"**

Contents: 1 silver female catheter, 1 thermometer with certificate, 1 fine scissors, 1 Pean's haemostatic forceps, 1 silver probe, 1 fine thumb dressing forceps. Case is of black morocco.

\*B-3205 Nurses' Pocket Case, No. 54.....\$ 5.50  
 With plated catheter and plain scissors..... 5.00

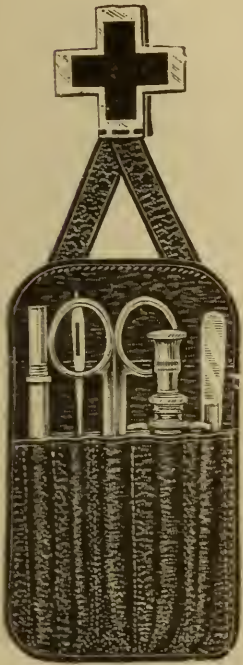


## GENERAL OPERATING

**B-3185. NURSES' RED CROSS CHATELAINE CASE No. 50**

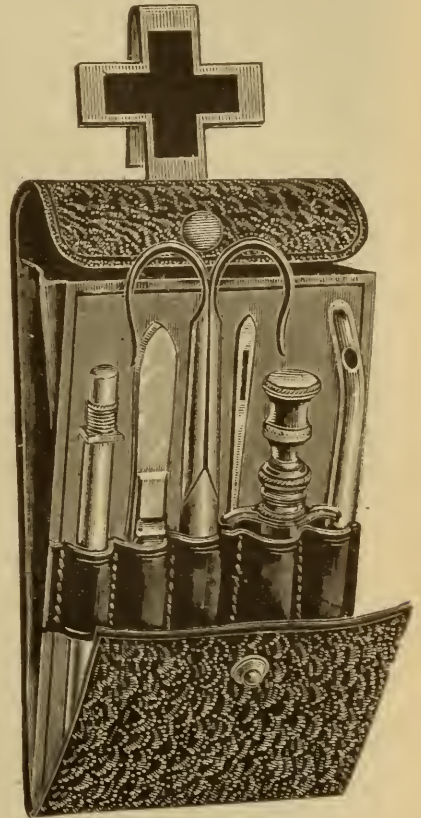
Contents: 1 thumb forceps, 1 all metal hypodermic syringe with needles, 1 scissors, 1 probe, 1 clinical thermometer in metal case, 1 female catheter.

B-3185 Nurses' Red Cross Chatelaine Case No. 50.....\$4.50

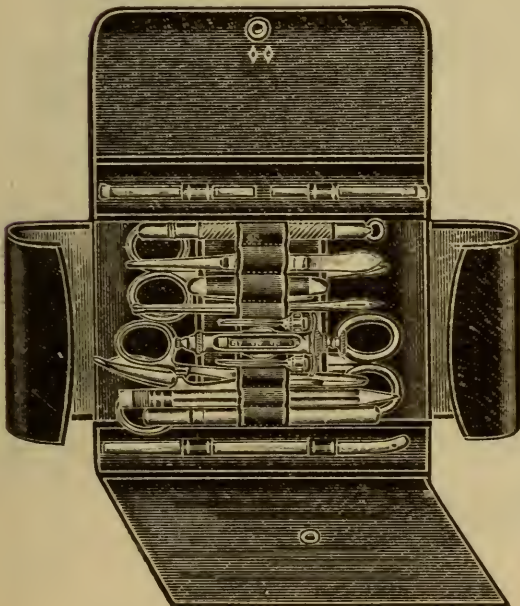
**B-3185****B-3190. NURSES' RED CROSS CHATELAINE CASE No. 51**

Contents: 1 thumb forceps, 1 all metal hypodermic syringe with needles, 1 scissors, 1 probe, 1 clinical thermometer, in metal case, 1 female catheter, plated. Case is made of black morocco or monkey grain leather with flap cover.

B-3190 Nurses' Red Cross Chatelaine Case No. 51..\$5.00

**B-3190**

Note.—Both the B-3185 and B-3190 cases can be supplied with black leather chatelaine hooks instead of crosses if desired.

**B-3207****B-3207. NURSES' COMPANION No. 61**

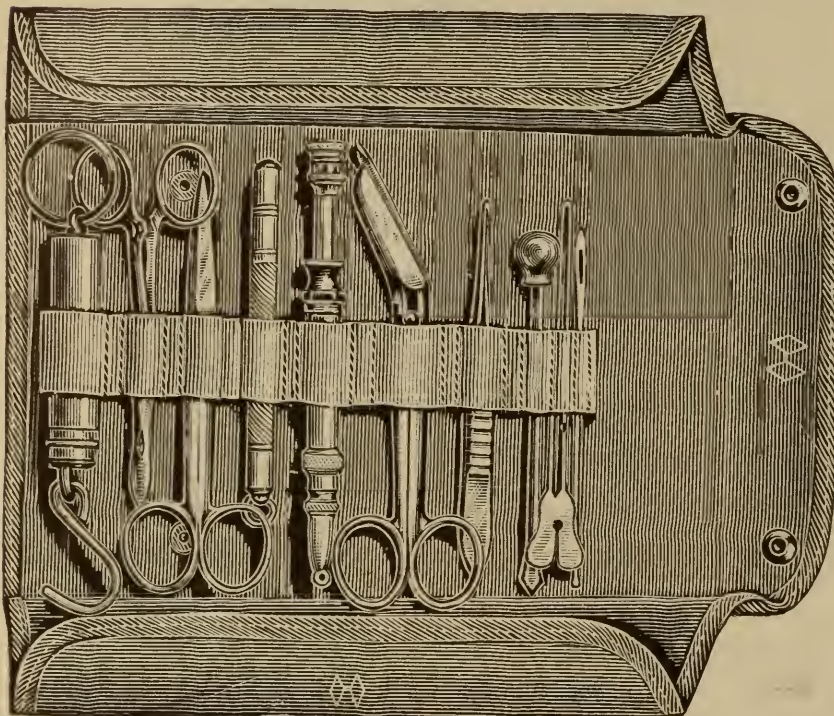
Contents: Bath thermometer, fine quality, minute clinical thermometer, hypodermic syringe with glass barrel, leather expanding piston, 2 hypodermic needles, Pean's forceps, straight scissors, angular bandage scissors, thumb forceps, pocket knife with 2 blades, pair of probes, lead pencil, 2 hypodermic vials, glass catheter, in folding leather case.

B-3207 Nurses' Companion .....\$8.50



## GENERAL OPERATING

## B-3209. TRAINING SCHOOL NURSE SET



B-3209

Contents: 1 probe, 1 director and tongue tie, 1 combined hypodermic syringe with solid gold needle and a one minute Clinical Thermometer, 1 dressing forceps, 1 bandage scissors, 1 straight scissors, 1 bath thermometer in plated case, 1 haemostatic forceps, and 1 baby scale, put up in very neat tan canvas of special quality.

Price .....\$7.00

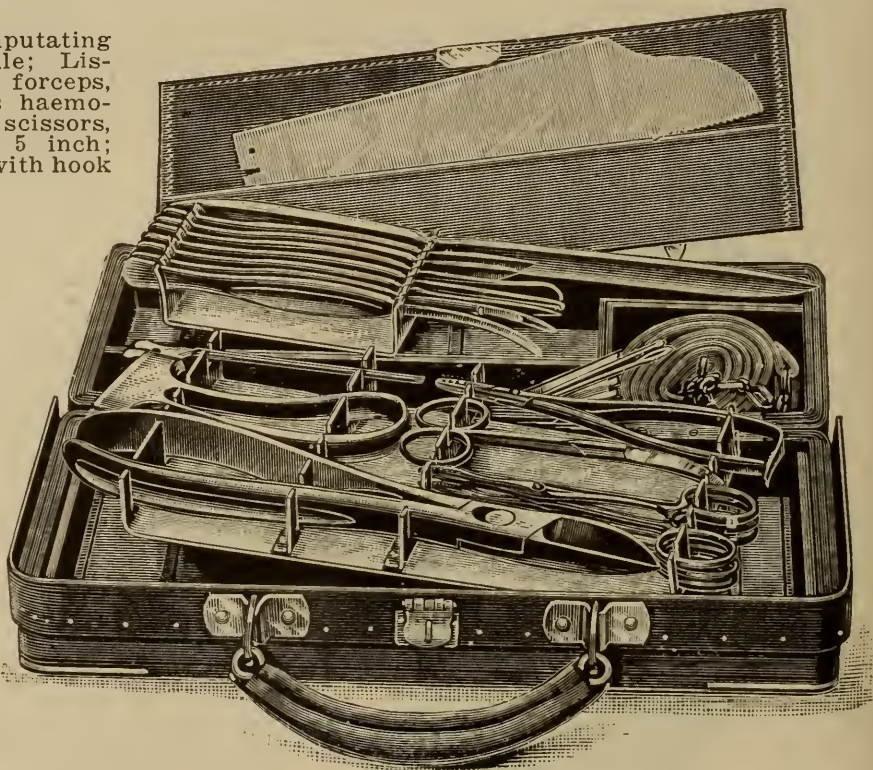
## B-3215. COMPACT OPERATING SET No. 12

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.

This case is extremely compact and well arranged. Every instrument is perfectly aseptic, and mounted in two metal removable racks.

The case is handsome and durable with metal corners and has a comfortable handle.

The racks are either nickel plated or aluminum, as desired, the latter being considerably lighter.



B-3215 Compact Operating Set No. 12 .....\$33.00

B-3220 Compact Operating Set No. 14. Same as above with one Galt's trephine and one trephining elevator and raspatory added..... 37.00



## GENERAL OPERATING

**B-3225. NEW COMPACT OPERATING SET No. 15**

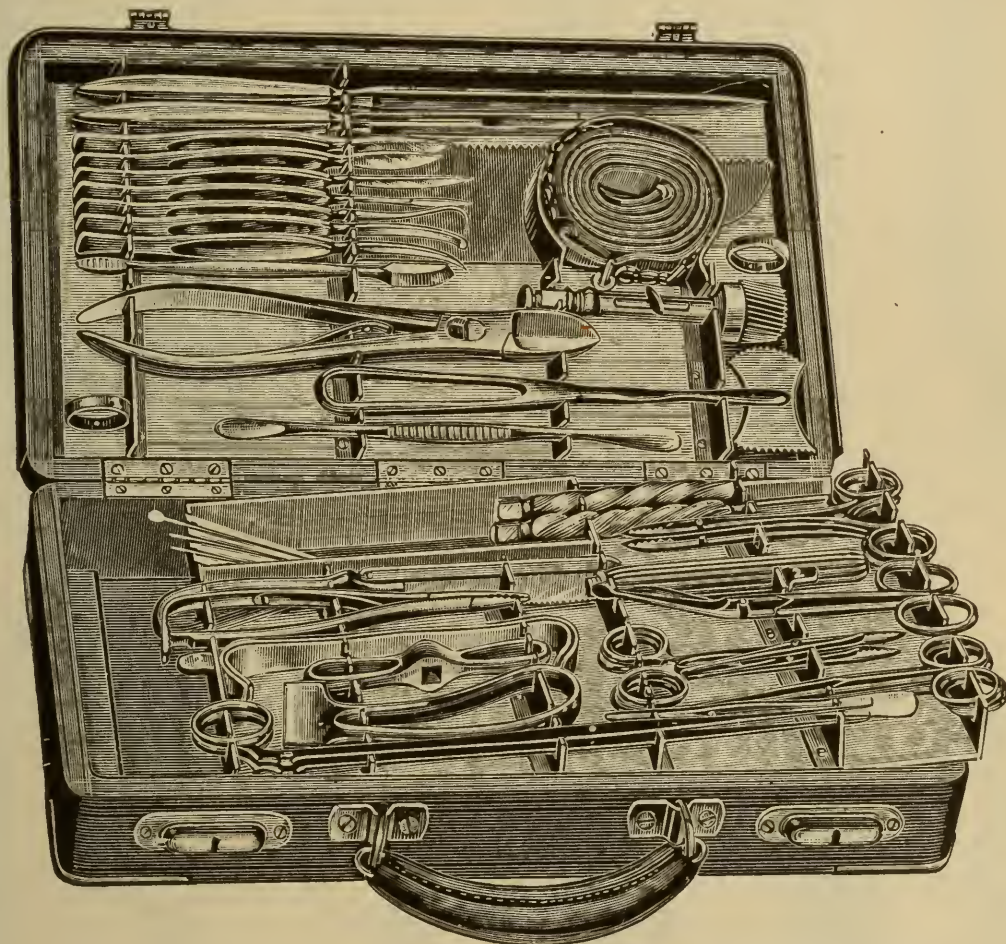
Contents: Large amputating saw, removable handle; Liston's bone forceps, 8½ inches, with spring; 3 Pean's haemostatic forceps, curved scissors, Richter's needle holder, Esmarch's tourniquet with hook and chain, amputating knife, 7 fine handle operating knives, assorted blades to suit; flat end director, 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.

The case is handsome and durable, has a comfortable handle and has metal corners.

*B-3225	Compact Operating Set No. 15	.....	\$32.50
*B-3226	Compact Operating Set No. 15, with plain needle holder.....		30.00
*B-3230	Compact Operating Set No. 15, with Galt's trephine and elevator and raspatory added	.....	37.50
*B-3231	Compact Operating Set No. 15, same as B-3230, with plain needle holder		32.50

**B-3235. COMPACT GENERAL OPERATING SET No. 13**

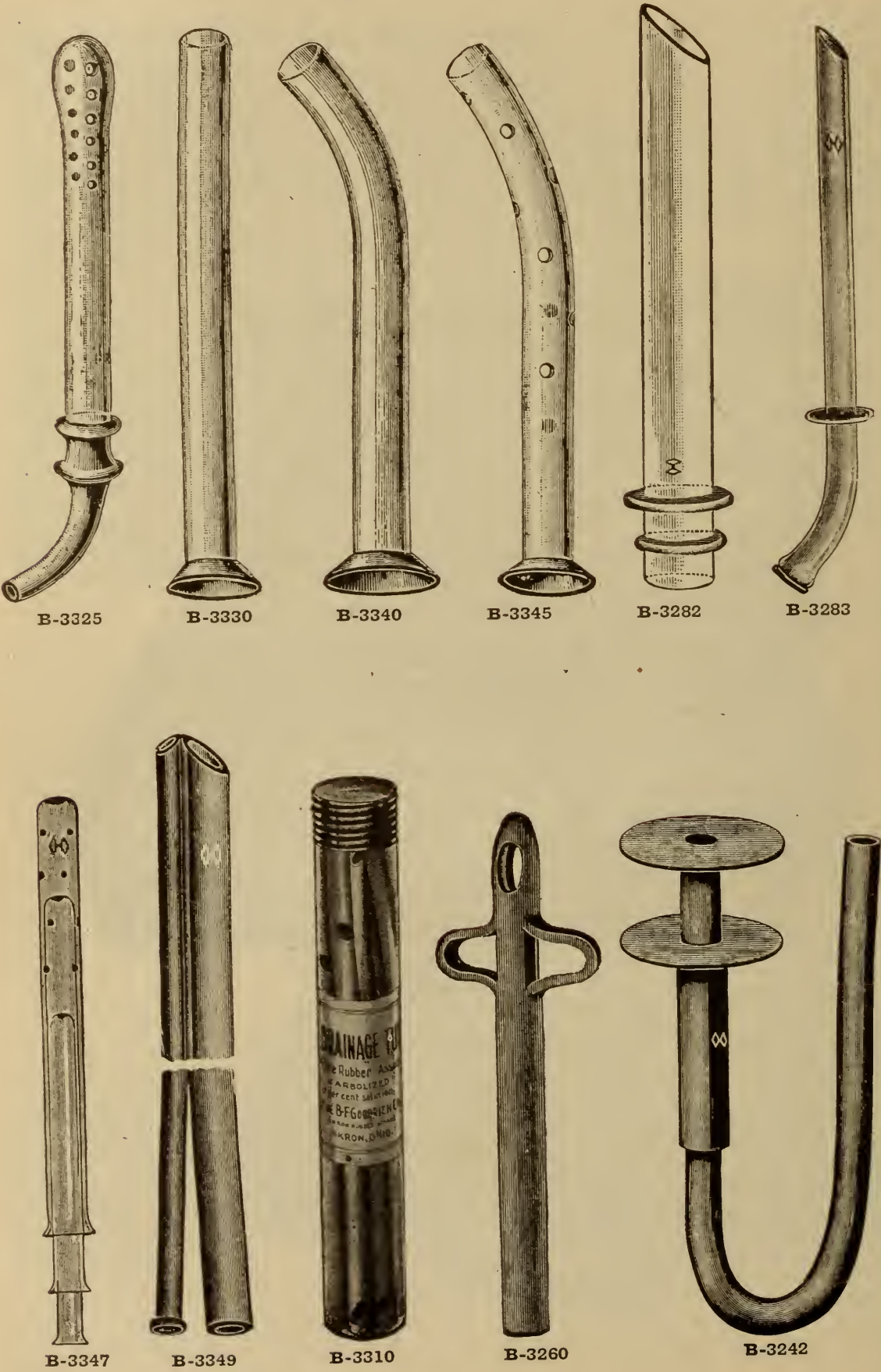
Contents: Large amputating saw, removable handle; medium amputating knife; small Catlin knife; 7 best Minor operating knives, assorted blades to suit; Esmarch's tourniquet; Galt's trephine; Hey's skull saw; trephining elevator and raspatory; 8½ inch bone forceps with spring; large size double end Volkman's bone curette; bone chisel, bone gouge; 2 Tait's haemostatic forceps; 1 reversible metal handle trocar; angular bandage shears; 2 Pean's haemostatic forceps; straight scissors; curved scissors; thumb dressing forceps; lifting back metacarpal saw; large Keen's needle holder; pair Parker's retractors; American bullet forceps with catch; Nelaton's porcelain head bullet probe; pair plated probes; director and aneurism needle; needles and silk assorted.

The racks are of aluminum, which greatly reduces the weight, or may be plated metal if preferred.

We can supply this set in fine morocco case with plated corners and trimmings, or in an extremely strong and durable sole leather case.

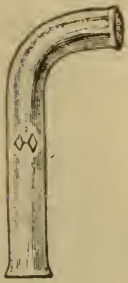
B-3235	Compact General Operating Set No. 13, in fine morocco case with plated corners and trimmings.....		\$60.00
B-3240	Compact General Operating Set No. 13, in durable sole leather case with nickel trimmings	.....	65.00

GENERAL OPERATING





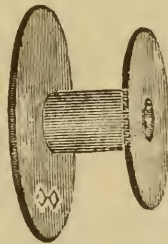
## GENERAL OPERATING



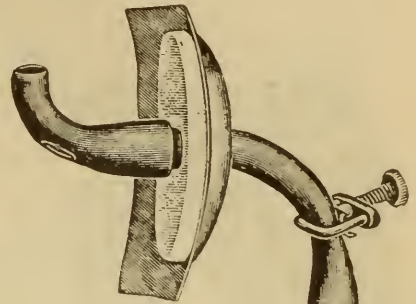
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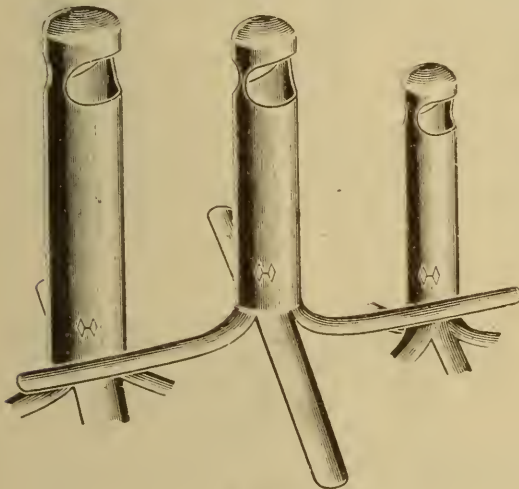
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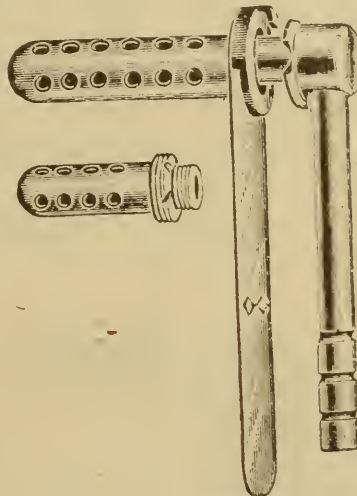
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B-3246



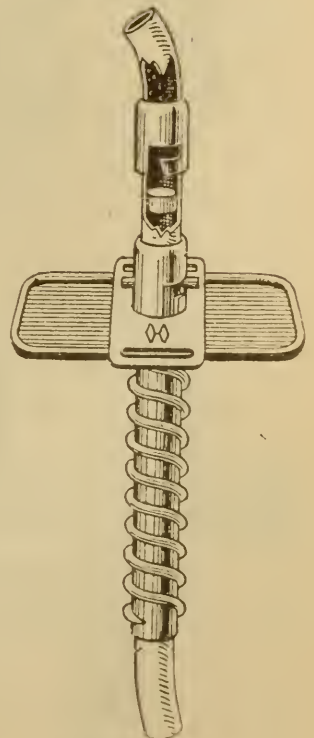
B-3243



B-3262

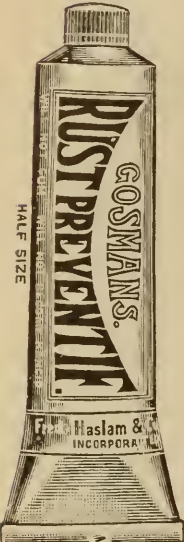
## DRAINAGE TUBES AND IODOFORM BOXES

B-3242	Brewer's, soft rubber, for empyema, 2 sizes, each	\$1.50
B-3243	Colton's, metal, plated, 3 sizes, each	2.25
B-3244	Denny's, silver, suprapubic, 3 sizes, each	4.50
*B-3250	Ferguson's, silver, prostatic	5.50
*B-3251	Keith's, glass	.40
B-3260	Kelly's, soft rubber, for pelvic abscess	1.25
B-3262	Kenyon's, suprapubic, to be used with suction apparatus, complete with 3 pairs of detachable drainage tubes	7.25
*B-3275	Mayo's, soft rubber, prostatic, double channel	1.50
*B-3277	Mayo's, glass, extra large, for draining abdominal cavity	.75
B-3282	Moynihan's, glass, abdominal, straight	.90
B-3283	Moynihan's, glass, abdominal, curved, 3 sizes, each	1.50
*B-3285	Murphy's, aluminum, straight	2.00
*B-3290	Murphy's, aluminum, curved, large	2.00
*B-3295	Murphy's, aluminum, straight, small	1.50
B-3296	Paul's, glass, for the small intestine, 3 sizes, each	.70
B-3298	Paul's, glass, for the large intestine, 3 sizes, each	.70
*B-3300	Plain, soft rubber, assorted sizes, per yard	.25 to .75
*B-3305	Perforated, soft rubber, assorted sizes, per yard	.35 to 1.00
B-3310	Perforated, soft rubber, 6 inch lengths, 6 in bottle, per bottle	.50
*B-3320	Senn's, silver, suprapubic	3.50
B-3325	Tait's, glass	.40
B-3330	Thomas', glass, straight, plain	.30
*B-3335	Thomas', glass, straight, perforated	.40
B-3340	Thomas', glass, curved, plain	.30
B-3345	Thomas', glass, curved, perforated	.40
B-3346	Von Ebert's, for empyema, 2 sizes, 9 and 12 mm., each	3.00
B-3347	Van Lennep's, glass, set of 3, nested	1.35
B-3348	Wilson's, soft rubber, for empyema, 3 sizes, each	.60
B-3349	Young's, soft rubber, double	1.75



B-3244

GENERAL OPERATING



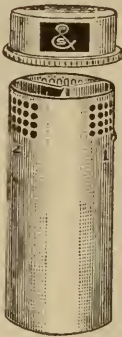
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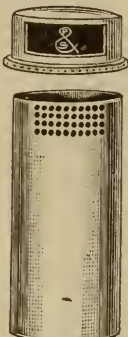
B-3370



B-3377



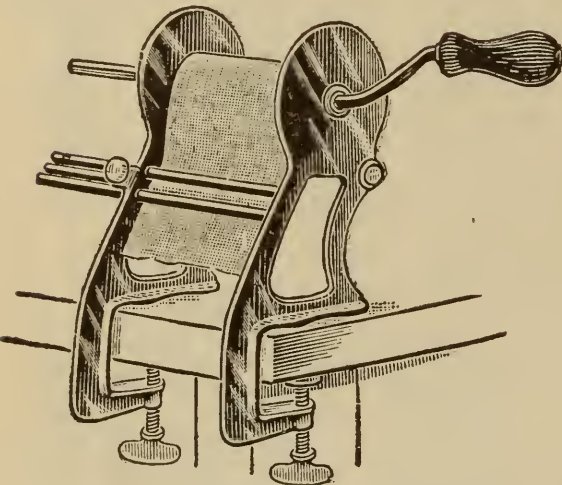
B-3355



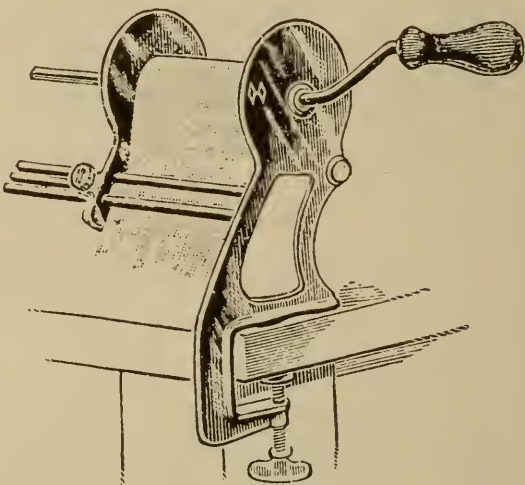
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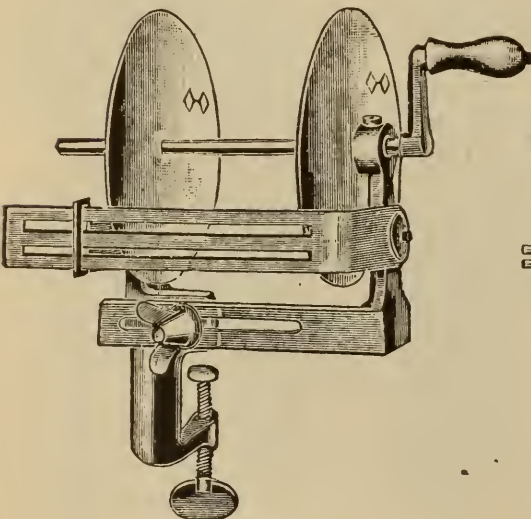
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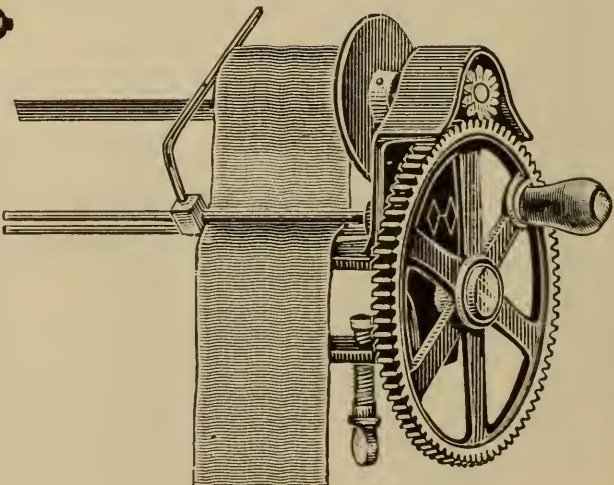
B-3487



B-3485-3486



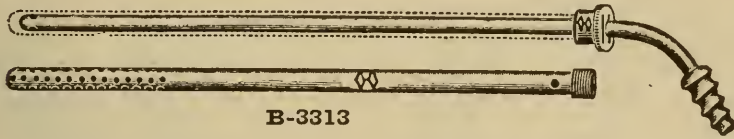
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B-3476



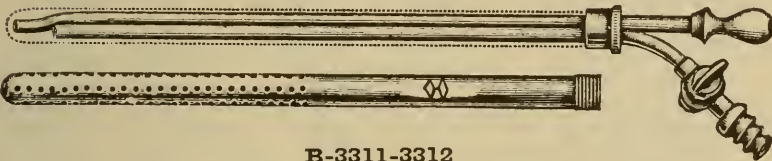
## GENERAL OPERATING



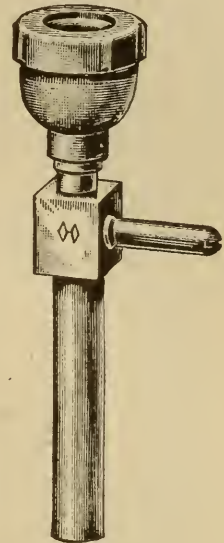
B-3313



B-3314



B-3311-3312



B-3316

## IRRIGATING AND SUCTION TUBES

B-3311	Poole's, Abdominal Irrigator, with stop cock, 9 in. long, 30 French scale .....	\$4.50
B-3312	Poole's, Abdominal Irrigator, with stop cock, 13 in. long, 1 in. in diameter .....	9.00
B-3313	Poole's, Abdominal Suction Tube, 8¾ in. long, 23 French scale.....	3.00
B-3314	Poole's, Abdominal Suction Tube, 8¾ in. long, 30 French scale.....	3.50
B-3316	Chapman's Water Suction Pump, for above, with soft rubber slip connection .....	3.00
*B-3317	Chapman's Water Suction Pump, for above, with metal screw cap connection .....	3.00

## IODOFORM BOXES

B-3350	Iodoform Box, Fowler's, metal, nickel plated.....	\$0.75
B-3355	Iodoform Box, Fowler's, metal, nickel plated, triple compartment.....	1.10
*B-3360	Iodoform Box, Green's, glass, with hard rubber mounts.....	1.00
*B-3365	Iodoform Box, hard rubber, small .....	.60
B-3370	Iodoform Box, hard rubber, medium .....	.90
*B-3375	Iodoform Box, hard rubber, large .....	1.20
B-3377	Iodoform Box, Haslam's, small, metal, ½ in. diameter.....	.25
B-3378	Iodoform Box, metal, extra large size, for hospital use.....	1.50

## BANDAGE ROLLERS

B-3476	Douglass', a rapid winding Bandage Roller, carefully made from proper materials, made to stand wear, guarded gears, made to take bandages up to 6½ inches.....	\$6.00
B-3485	Jobse's, nickel plated .....	2.25
B-3487	Jobse's, with 2 table clamps, nickel plated.....	3.00
B-3486	Jobse's, large, nickel plated, to roll bandages up to 8 in.....	2.50
B-3488	Kny-Scheerer, for winding bandages up to 4½ in.....	4.50
*B-3495	Plain, japanned .....	.75
*B-3496	Tiemann's, nickel plated, on wood base.....	4.00

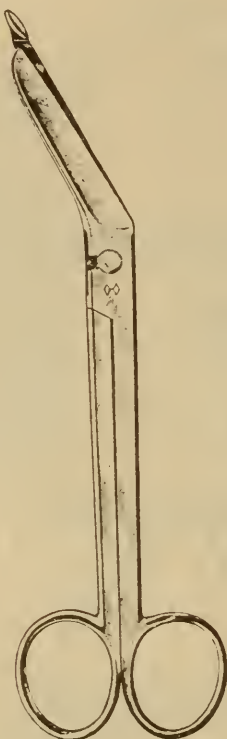
## SUNDRIES

*B-3390	Silver Foil, Halstead's, for dressing, 24 leaves to book, per book.....	\$0.25
*B-4475	Gosman's Rust Preventif, small jar.....	.40
*B-4480	Gosman's Rust Preventif, large jar .....	.65
B-4481	Gosman's Rust Preventif, in collapsible tube.....	.35

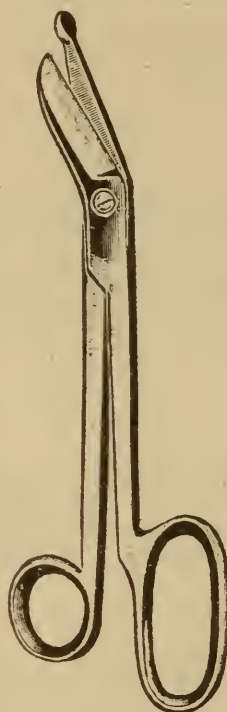
## DRESSING



B-3418-3430



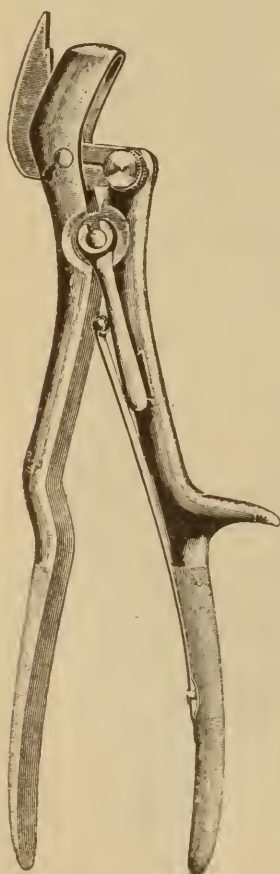
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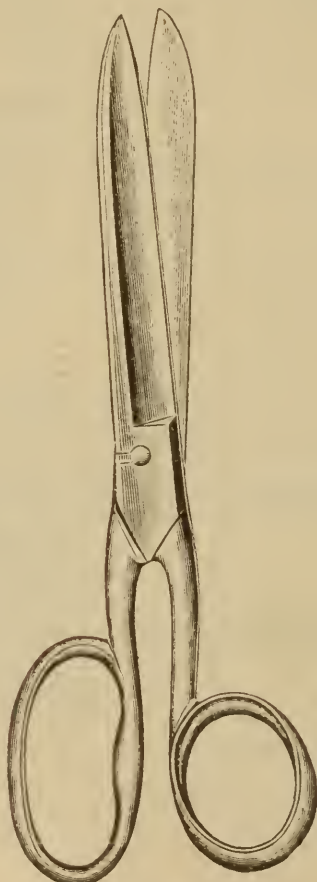
B-3455



B-3435-3440



B-3470



B-3415



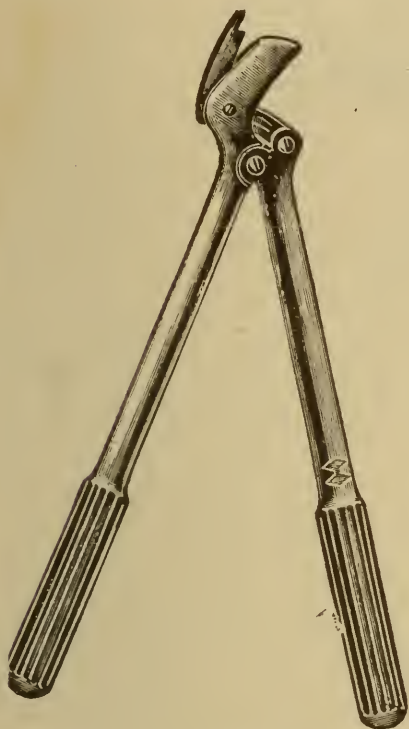
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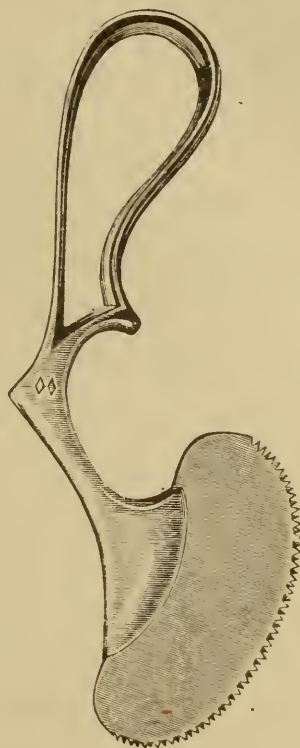
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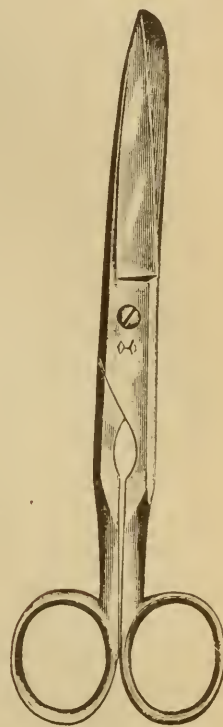
## DRESSING



B-3472



B-3410



B-3422

## KNIVES—PLASTER

B-3395	Esmarch's, with wedge.....	\$ 1.50
B-3400	Curved .....	2.00

## SAWS—PLASTER

*B-3405	Bergmann's .....	\$ 2.00
B-3410	Engel's .....	1.50

## SCISSORS—BANDAGE

B-3422	Gauze, extra heavy pattern, 6½ in., \$1.; 7¾ in..	\$ 1.10
B-3424	Gauze, heavy pattern, 6½ in., \$1.20; 7 in.....	1.40
B-3412	Haslam's, special, flat shanks, very fine, 6 in..	1.50
B-3414	Haslam's, special, flat shanks, very fine, 7 in..	1.75
B-3418	Lister's, 4½ in.....	1.10
B-3420	Lister's, 5½ in.....	1.25
B-3425	Lister's, 7 in.....	1.50
B-3430	Lister's, 8 in.....	1.75
B-3415	U. S. A. Pattern.....	1.50

## SHEARS—PLASTER

B-3435	Esmarch's, 8 in. ....	\$ 2.00
B-3440	Esmarch's, 9¼ in. ....	2.50
B-3445	Esmarch's, 8 in., with eccentric joint.....	3.50
B-3450	Esmarch's, 9¼ in., with eccentric joint.....	3.85
B-3455	New York Hospital Pattern.....	6.00
*B-3460	Seutin's .....	3.50
*B-3465	Seutin's, with eccentric joint.....	4.00
B-3470	Stille's, 9 in. ....	8.75
B-3472	Stille's, modified by Taylor, 14¾ in.....	16.50
*B-3474	Wight's, can also be used as a rib shear.....	4.50



B-3395



B-3400

# B & B Surgical Dressings

Prepared by

**BAUER & BLACK**

Chicago

New York

## ZINC OXIDE OR RUBBER ADHESIVE PLASTER

### Five Yard Spools

1/2 inch wide.....	dozen	\$ 3.00
1 inch wide.....	dozen	3.60
1 1/2 inches wide.....	dozen	4.20
2 inches wide.....	dozen	4.80
2 1/2 inches wide.....	dozen	6.00
3 inches wide.....	dozen	7.20
4 inches wide (Zinc Oxide only).....	dozen	9.00

### Ten Yard Spools

1/2 inch wide.....	dozen	4.80
1 inch wide.....	dozen	6.00
1 1/2 inches wide.....	dozen	7.20
2 inches wide.....	dozen	8.40
2 1/2 inches wide.....	dozen	10.80
3 inches wide.....	dozen	13.20
4 inches wide.....	dozen	16.20

### Rolls

1 yard rolls, 7 inches wide.....	dozen	4.20
5 yard rolls, 7 inches wide.....	each	1.25
5 yard rolls, 12 inches wide.....	each	1.75

### Rolls—Moleskin—(Zinc Oxide Only)

1 yard rolls, 7 inches wide.....	dozen	4.80
5 yard rolls, 7 inches wide.....	each	1.75

## COTTON

### Plain Absorbent Cotton

1 pound in handy package.....	pound	\$ 0.45
1/2 pound in handy package.....	pound	.50
1/4 pound in handy package.....	pound	.60
2 ounces in handy package.....	pound	.65
1 ounce in handy package.....	pound	.70
1/2 ounce in handy package.....	pound	.90

### Medicated Cotton—Borated, Carbolated or Sublimated

1 pound in handy package.....	pound	.65
1/2 pound in handy package.....	pound	.70
1/4 pound in handy package.....	pound	.75
2 ounces in handy package.....	pound	.80
1 ounce in handy package.....	pound	.85

## GAUZES

### Handy-Fold Plain Gauze—Originated by Bauer & Black

Sterile—folded into squares—each piece in germ proof envelope.

30 pieces, 6x36 (5 yards), in box.....	box	\$ 0.45
10 pieces, 18x36 (5 yards), in box.....	box	.40

### Handy-Fold Picric Acid Gauze

Sterile—folded into squares—each piece in germ proof envelope.

30 pieces, 12x18 inches, in box.....	box	1.35
10 pieces, 12x18 inches, in box.....	box	.50



# B & B Surgical Dressings

Prepared by  
**BAUER & BLACK**  
 Chicago New York

## GAUZES

### B & B Plain Gauze

1 yard in handy package.....	dozen	\$ 1.50
5 yards in handy package.....	dozen	4.80
25 yards in box .....	each	1.75

### L & L Plain Gauze

1 yard in handy package.....	dozen	1.25
5 yards in handy package.....	dozen	4.20
25 yards in handy package.....	each	1.65

### Plain Aseptic Gauze

1 yard in glass jar, moist.....	dozen	2.25
5 yards in glass jar, moist.....	dozen	7.80

### Borated Gauze

1 yard in glass jar, moist.....	dozen	2.40
1 yard in handy package, dry.....	dozen	2.00
5 yards in glass jar, moist.....	dozen	9.60
5 yards in handy package, dry.....	dozen	9.00
25 yards in box, dry .....	each	2.75

### Carbolated Gauze

1 yard in glass jar, moist.....	dozen	2.40
1 yard in handy package, dry.....	dozen	2.00
5 yards in glass jar, moist.....	dozen	9.60
5 yards in handy package, dry.....	dozen	9.00
25 yards in box, dry .....	each	2.75

### Corrosive Sublimate Gauze—1 to 1000 or 1 to 2000

1 yard in glass jar, moist.....	dozen	2.40
1 yard in handy package, dry.....	dozen	2.00
5 yards in glass jar, moist.....	dozen	9.60
5 yards in handy package, dry.....	dozen	9.00
25 yards in box, dry .....	each	2.75

### Iodoform Gauze—5 per cent

1 yard in glass jar, moist.....	dozen	4.20
1 yard in handy package, dry.....	dozen	3.60
5 yards in glass jar, moist.....	dozen	16.20
5 yards in handy package, dry.....	dozen	13.20
25 yards in box, dry .....	each	5.00

### Iodoform Gauze—10 per cent

1 yard in glass jar, moist.....	dozen	4.80
1 yard in handy package, dry.....	dozen	4.20
5 yards in glass jar, moist.....	dozen	18.00
5 yards in handy package, dry.....	dozen	16.20
25 yards in box, dry .....	each	5.50

### Iodoform Gauze—20 per cent

1 yard in glass jar, moist.....	dozen	7.20
5 yards in glass jar, moist.....	dozen	26.40

### Picric Acid Gauze

1 yard in glass jar, moist.....	dozen	4.80
5 yards in glass jar, moist.....	dozen	18.00

# B&B Surgical Dressings

Prepared by  
**BAUER & BLACK**  
Chicago New York

## BANDAGES

**Plain Gauze Bandages—One dozen in carton**  
10 yards long. Each bandage wrapped and sealed.

1	inch wide.....	dozen	\$0.55
1½	inches wide.....	dozen	.65
2	inches wide.....	dozen	.75
2½	inches wide.....	dozen	.85
3	inches wide.....	dozen	1.05
3½	inches wide.....	dozen	1.20
4	inches wide.....	dozen	1.35
Assorted, 1½ to 4	inches wide.....	dozen	.85

**Plain Gauze Bandages—One pound in carton**

10 yards long. Each bandage wrapped and sealed.

Any width or assorted.....	pound	.85
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**Plain Gauze Bandages—Five pounds in box**

10 yards long. Each bandage wrapped and sealed.

Any width or assorted.....	pound	.80
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**Muslin Bandages—Unbleached—One dozen in carton**

5 yards long. Each bandage wrapped and sealed.

1	inch wide.....	dozen	.50
1½	inches wide.....	dozen	.60
2	inches wide.....	dozen	.70
2½	inches wide.....	dozen	.80
3	inches wide.....	dozen	1.00
3½	inches wide.....	dozen	1.15
4	inches wide.....	dozen	1.30

**Muslin Bandages—Unbleached—One pound in carton**

5 yards long. Each bandage wrapped and sealed.

Any width or assorted.....	pound	.80
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**Muslin Bandages—Unbleached—Five pounds in box**

5 yards long. Each bandage wrapped and sealed.

Any width or assorted.....	pound	.75
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**Plaster Paris Bandages—Five yards long**

1½	inches wide.....	dozen	1.80
2	inches wide.....	dozen	2.10
2½	inches wide.....	dozen	2.40
3	inches wide.....	dozen	2.70
3½	inches wide.....	dozen	3.00
4	inches wide.....	dozen	3.30

## DERMAL AND TENSION SUTURES—ORIGINATED BY BAUER & BLACK

**Dermal Sutures, Aseptic Envelopes**

Superior to Horsehair.

One 40-inch strand in each envelope. Regular assortment: Fine, medium, coarse in each box. All one size in each box, or assorted.

Box of 1 dozen envelopes without needles.....	dozen	\$0.75
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**Dermal Sutures, Coils**

Regular assortment: Fine, medium and coarse. All one size in each container.

Each strand 200 inches long.

10 strands in box, fine.....	dozen boxes	\$3.60
10 strands in box, medium.....	dozen boxes	5.40
10 strands in box, coarse.....	dozen boxes	7.20

**Tension Sutures, Aseptic Envelopes**

Excel Silkworm Gut.

One 20-inch strand in each envelope. Regular assortment: Fine, medium, coarse in each box. All one size in each box, or assorted.

Box of 1 dozen envelopes without needles.....	dozen	\$0.75
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**Tension Sutures, Coils**

Regular assortment: Fine, medium and coarse. All one size in each container.

Each strand 200 inches long.

10 strands in box, fine.....	dozen boxes	\$ 9.00
10 strands in box, medium.....	dozen boxes	10.80
10 strands in box, coarse.....	dozen boxes	18.00

Coarse Tension Suture best adapted for veterinary surgery.

## SURGICAL LUBRICANT

2 ounces in collapsible tube.....	dozen	\$2.00
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## GENERAL OPERATING

### "KNUKLFIT" SURGEONS' RUBBER GLOVES

(The Glove with the Hump)

Patented.

**Endorsed by leading surgeons everywhere. Fully guaranteed by the manufacturer**

The "Knuklfitt" Glove eliminates tension on finger joints and cramping of fingers and hands. Permits that sensitive, cuticle-like touch that is absolutely necessary in operative work.



#### THE FACTS ARE

THAT the knuckles are the largest part of the fingers.

THAT unless there is a bulge in the glove fingers at these points, free action of the fingers will be impaired.

THAT the plain fingered glove will bind across the knuckles and cause tension on the finger tips.

THAT tension on the finger tips will impair that sensitive cuticle touch that is absolutely imperative in operative work.

THAT the gloves are made of the finest quality of Para rubber, by our own special process, and under our own personal supervision.



All gloves fully guaranteed by the manufacturer.

#### INFORMATION

We also make the plain finger rubber glove of the same quality of rubber as the "KNUKLFIT," and with the same care and supervision.

#### PRICES

A-4000	"Knuklfitt" Rubber Gloves, medium weight, smooth finish, per pair, \$0.75;	
	per dozen pairs, \$6.50; per gross.....	\$72.00
B-4005	"Lincoln" Rubber Gloves, regular, medium weight, smooth finish, per pair, \$0.60; per dozen pairs, \$5.50; per gross.....	60.00

#### EXTRA

Rough Finished Gloves, extra per dozen.....	\$ 0.50
Reinforced Wrists, extra per dozen pairs.....	.50

Made in either long or short fingers.

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## Lincoln Rubber Co.

## GENERAL OPERATING

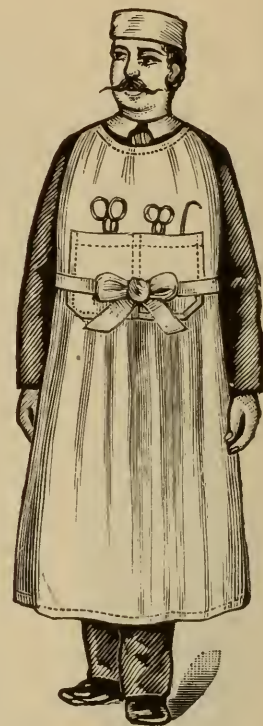


Front



Back

B-4350-4355



B-4395

## SAS OPERATING GOWNS, APRONS, CAPS, ETC.

SAS Gowns are carefully made from fine grade material of not too heavy weight. The seams are lapped. They are made with yoke, and well shaped. They have a pocket with partitions suitable for holding instruments. This is the best grade of Gown, and it is recommended for durability and its good appearance.

A white bag is supplied with each Gown for protecting it against contamination until used, and it also makes a very convenient package for carrying in satchel.

These Gowns are made in the following lengths and chest measurements. SPECIAL SIZES OF GOWNS MADE TO ORDER.

Length.....	50 in.	50 in.	52 in.	54 in.	56 in.	58 in.	60 in.
Chest.....	38 in.	40 in.	42 in.	44 in.	46 in.	48 in.	48 in.



B-4440



B-4390



B-4447

B-4350 SAS Operating Gowns, short sleeves, each.....\$2.00

B-4355 SAS Operating Gowns, long sleeves, each.....\$2.00

\*B-4351 SAS Plain Operating Gowns, short sleeves.....\$1.50

\*B-4352 SAS Plain Operating Gowns, long sleeves.....\$1.50

Note.—The SAS Plain Operating Gowns are made of white drill, and have given general satisfaction.

B-4395 SAS Operating Aprons, white drill, with two pockets and tapes for tying, short, 46 in.; medium, 50 in.; long, 54 in., each.....\$1.00

\*B-4425 Apron, rubber, short, 46 in.....\$1.50

\*B-4430 Apron, rubber, medium, 50 in.....\$1.75

\*B-4435 Apron, rubber, long, 54 in.....\$2.00

\*B-4436 Apron, Valentine's, rubber, to be worn by patient.....\$0.50

B-4440 Cap, surgeon's, plain, each.....\$0.50

B-4447 Cap, surgeon's, ventilated.....\$0.75

B-4390 Head Cover, Mayo's, gauze, with slit for eyes, and tapes for tying around the neck, each, \$0.35; per doz.....\$3.00

## Contagious Disease Gowns

B-4386 Contagious Disease Gowns, white drill, each.....\$2.00

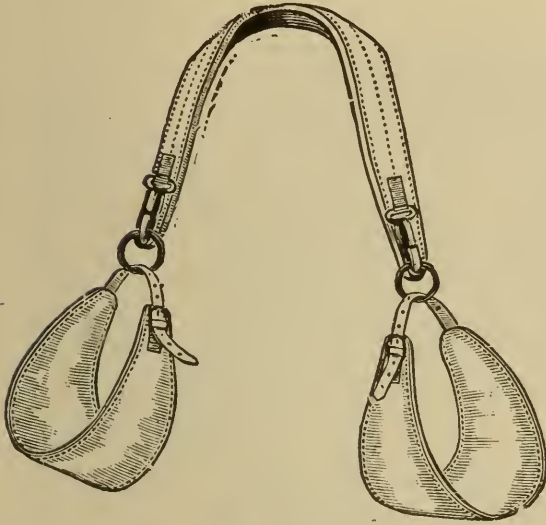
These gowns are made of white drill, with hood, and are of same lengths and chest measurements as the Operating Gowns. Please order accordingly.



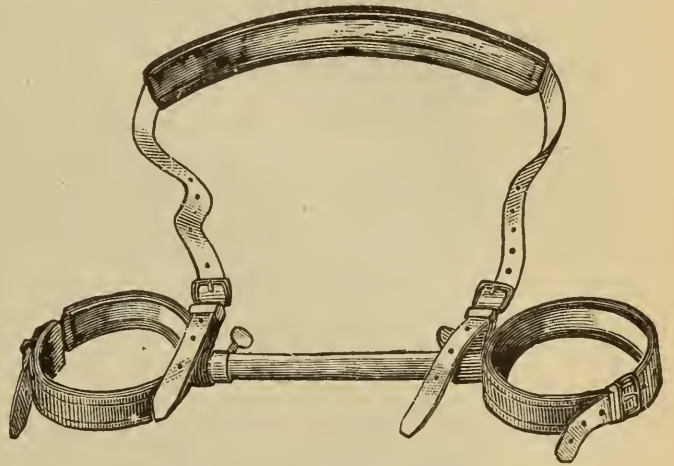
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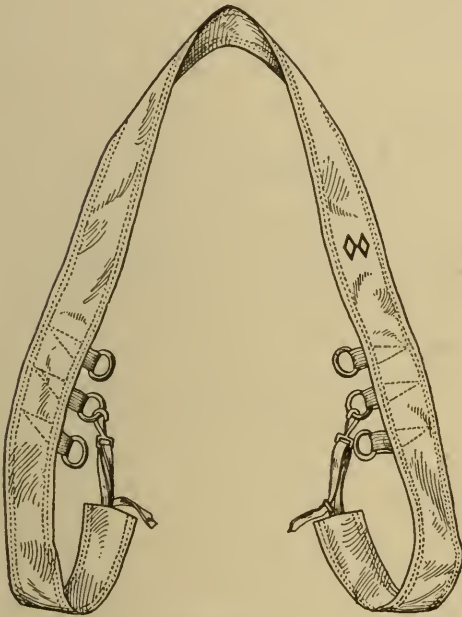
## GENERAL OPERATING



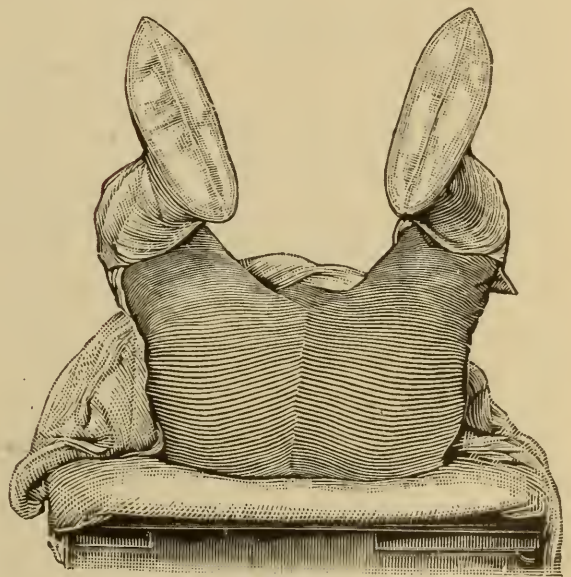
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B-4450



B-4465

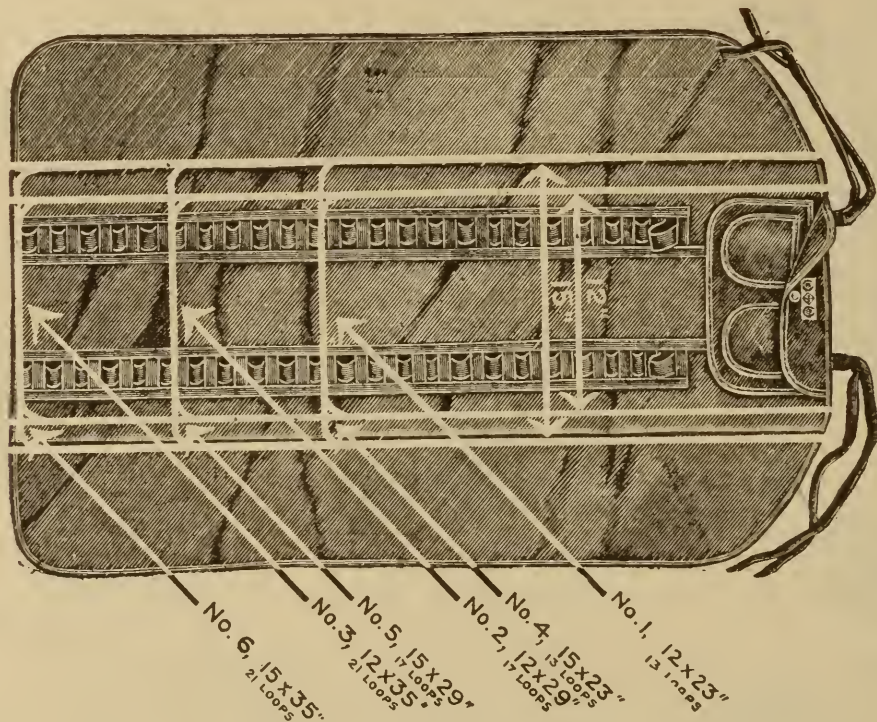


B-4460

## LEG HOLDERS

*B-4451	Brick's modification of Clover's crutch, having two additional straps to pass around the shoulders to prevent slipping.....	\$11.00
B-4450	Clover's crutch, lithotomy position, leather covered.....	9.00
B-4455	Kelly's, made of heavy canvas.....	1.25
B-4460	Mallet's, made of heavy canvas.....	2.00
B-4465	Robb's, made of heavy canvas.....	1.00

GENERAL OPERATING



SAS INSTRUMENT ROLLS

These rolls are well made and easily washed. They have two large and two small pockets at the end of the Roll for sutures and small articles.

They are made with either single or double rows of adjustable loops.

Sizes No. 1, 2 and 3 are usually used for Uterine, Urethral and General Operating Instruments. Nos. 4, 5 and 6 are especially designed for Obstetrical instruments.

Special sizes and styles made to order promptly.

WHITE CANVAS (REGULAR)

No. 1,	12x23	Inches,	13	Single	Row	Loops.....	each	\$0.90
No. 2,	12x29	Inches,	17	Single	Row	Loops.....	each	1.00
No. 3,	12x35	Inches,	21	Single	Row	Loops.....	each	1.10
No. 4,	15x23	Inches,	13	Single	Row	Loops.....	each	1.00
No. 5,	15x29	Inches,	17	Single	Row	Loops.....	each	1.10
No. 6,	15x35	Inches,	21	Single	Row	Loops.....	each	1.20
No. 8,	8x12	Inches,	13	Single	Row	Loops.....	each	.65
No. 1,	12x23	Inches,	13	Double	Row	Loops.....	each	1.18
No. 2,	12x29	Inches,	17	Double	Row	Loops.....	each	1.25
No. 3,	12x35	Inches,	21	Double	Row	Loops.....	each	1.35
No. 4,	15x23	Inches,	13	Double	Row	Loops.....	each	1.25
No. 5,	15x29	Inches,	17	Double	Row	Loops.....	each	1.35
No. 6,	15x35	Inches,	21	Double	Row	Loops.....	each	1.45
No. 8,	8x12	Inches,	13	Double	Row	Loops.....	each	.88
No. 13,	14½x32	Inches,	22	Double	Row	Loops.....	each	1.45

SPECIAL FAST TAN HIGH GRADE KHAKI

No. 1,	12x23	Inches,	13	Single	Row	Loops.....	each	\$1.75
No. 2,	12x29	Inches,	17	Single	Row	Loops.....	each	1.80
No. 3,	12x35	Inches,	21	Single	Row	Loops.....	each	2.00
No. 4,	15x23	Inches,	13	Single	Row	Loops.....	each	1.80
No. 5,	15x29	Inches,	17	Single	Row	Loops.....	each	2.00
No. 6,	15x35	Inches,	21	Single	Row	Loops.....	each	2.15
No. 8,	8x12	Inches,	13	Single	Row	Loops.....	each	1.00
No. 1,	12x23	Inches,	13	Double	Row	Loops.....	each	1.90
No. 2,	12x29	Inches,	17	Double	Row	Loops.....	each	2.10
No. 3,	12x35	Inches,	21	Double	Row	Loops.....	each	2.25
No. 4,	15x23	Inches,	13	Double	Row	Loops.....	each	2.10
No. 5,	15x29	Inches,	17	Double	Row	Loops.....	each	2.25
No. 6,	15x35	Inches,	21	Double	Row	Loops.....	each	2.40
No. 8,	8x12	Inches,	13	Double	Row	Loops.....	each	1.15

NOTE.—In ordering please specify size and material wanted.



## Section “C”

Eye

Ear

Nasal

Dermal

Oral

Tonsil

Tracheal

Laryngeal

Esophageal

Stomach

Intestinal

Gall Bladder



# DeZeng's



## Eye, Ear, Nose and Throat Diagnostic Equipment



No. 100



No. 144



No. 168



No. 185



No. 200



No. 280



No. 306



No. 375



No. 460

**No. 100 Loring Ophthalmoscope.** Has 19 lenses held by double-disk locking device; rectangular tilting mirror in either plano or concave; polished hard rubber handle and condenser lens. Price.....\$6.00

**No. 125 Morton Ophthalmoscope.** Improved model. Has a train of 29 lenses with 4 supplementary lenses, all held by metal fastening; a small and a large concave and a large plano mirror all adjustably mounted. Handle contains pupillometer and color test. Price.\$27.50

**No. 144 Electric Morton Ophthalmoscope.** Same as No. 125, with improved electric lighting attachment having DeZeng's metal mirror of Marple type; Dennett's adjustable lamp and Jumbo Handle Battery. Price, complete in case with two lamps.....\$40.00

**No. 168 Electric Ziegler Ophthalmoscope.** Has two independent disks giving a total of 78 foci; DeZeng's metal mirror of Marple type; Dennett's adjustable lamp, and Jumbo Handle Battery. Price, complete in case with two lamps.....\$25.00

**No. 185 Electric Loring Ophthalmoscope.** Has 19 lenses held by double-disk locking device; DeZeng's metal mirror of Marple type; Dennett's adjustable lamp, and Jumbo Handle Battery. Price, complete in case with two lamps.....\$20.00

**No. 200 Thorington Retinoscope.** Has plano or concave mirror  $\frac{3}{4}$ , 1,  $1\frac{1}{4}$  or  $1\frac{1}{2}$  inches in diameter, with DeZeng's detachable crown mounting. Price, each.\$1.00

**No. 280 Electric DeZeng Retinoscope.** Has plano glass mirror; special hairpin filament lamps; Illuminated Fixation Letters, and Jumbo Handle Battery. Price, complete in case with two lamps.....\$15.00

**No. 306 Socket Current Controller.** Screws into socket of electric fixture for D. or A. C. current of 110 to 115 volts. Has DeZeng's compressible contact; adjustable locking device; is graduated to show voltage delivered; is properly insulated; has heavy resistance coil; increased ventilation, and is furnished complete with resistance lamp. Price.....\$12.50

**No. 375 Wurdemann's Transilluminator.** For detection of foreign bodies, the study of the iris, the circumcorneal zone in glaucoma, and intraocular tumors. Is about the size of a fountain pen, is light, convenient to use has a special lens-tipped lamp and cord attached handle. Price, with two lamps...\$9.00

**No. 420 Adjustable Instrument Table.** Has metal base, quick hand-wheel screw adjustment and is finished in heavy baked white enamel. Has mahogany finished top 15x24 in. with chart drawer. Will remain in any position and cannot shake. Price.....\$22.00

**No. 450 McHardy Perimeter.** Is a new model and is fully automatic throughout. The frame, arc, dial and all mechanical parts are made of metal and are in perfect working balance. The instrument is beautifully designed and handsomely finished. Price..\$60.00

**No. 460 Standard Registering Perimeter.** Combines the valuable points of the Landolt and Priestly Smith Perimeters. The frame proper is all in one piece, and nothing short of breakage can impair its accuracy. Has four-wheel object carrier, with 6 interchangeable test objects and separate handle. Price.....\$20.00

**No. 475 Electric McHardy Perimeter.** Is the same instrument as No. 450, with the addition of Dr. Nelson Black's translucent color test. The lamps in the fixation point and object carrier are both on the same circuit and may be controlled by one rheostat. Price, with 4 lamps.....\$100.00

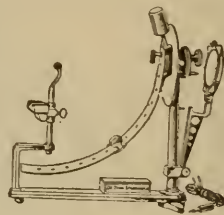
**No. 600 Asbestos Light Screen.** Has ventilated, covered top; iris diaphragm, and measures  $4\frac{1}{2}$  in. high by  $2\frac{1}{2}$  in. inside diameter. Price.....\$3.00

**No. 625 DeZeng's Dark Room Lantern.** For muscle work. Has Ziegler's Greek cross, Thorington's iris diaphragm and a white translucent disk mounted on an asbestos tube having ventilated caps. Complete, with light floor stand, cord conductors, lamp socket and 25-watt frosted lamp. Price.....\$13.50

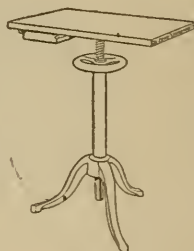
**No. 810 Improved Schematic Eye.** Has DeZeng's variable pupil and angle attachment, is accurately graduated for the varying degrees of ametropia, is made entirely of metal, and has normal fundus in color mounted radial, with center of the eye. Price...\$4.00

**No. 815 Portable Schematic Eye.** Same as No. 810, but has short stationary base and does not contain the variable pupil or angle attachments. Price..\$2.25

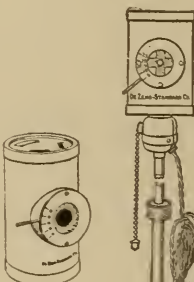
**No. 971 Combination Ophthalmoscope-Retinoscope Set.** Contains complete Electric Ophthalmoscope No. 185 and Electric Retinoscope Top of No. 280, with two lamps for each instrument. Price.....\$28.00



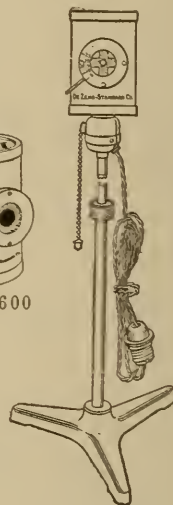
No. 475



No. 420



No. 600



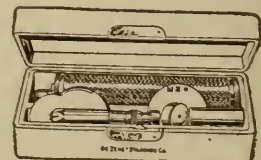
No. 625



No. 810



No. 815



No. 971

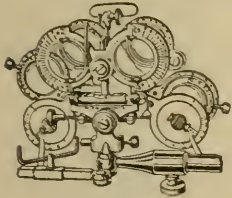




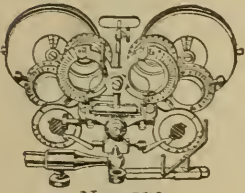
# DeZeng's



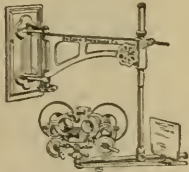
## Eye, Ear, Nose and Throat Diagnostic Equipment



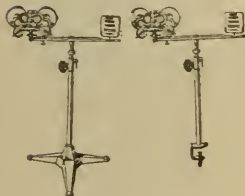
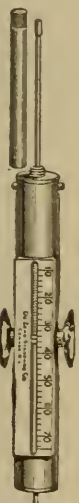
No. 560



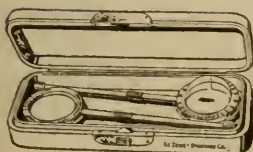
No. 570



Wall Bracket

Floor  
StandChair  
Fixture

No. 790



No. 1114

**No. 560 Phorometer-Trial Frame.** Is a compact combination of a three-cell gear-driven trial frame with all adjustments, a DeZeng universal double rotary prism unit of 30 D. set in a fully graduated mount on each side; a Maddox multiple white rod set in a graduated mount on each side; a Stevens phorometer with spirit level, and an adjustable near point test. Price, complete with wall bracket, floor stand or chair fixture.....\$85.00

**No. 570 Phoro-Optometer.** Same as No. 560 described above, with a multiple series of covered spherical lens-carrying disks mounted on each side. The lens are 1 inch in diameter, are centered, accurate to focus, and give a total of 214 numbers on each side. Price, complete with wall bracket, floor stand or chair fixture.....\$145.00

**No. 790 Souters Tonometer.** Is about the size and weight of a fountain pen and is applied horizontally while patient is in upright position. The scale represents pressures in millimeters of mercury. Price..\$18.00

**No. 1032 Electric Ootoscope.** For diagnosis, asperating, operating and massage. The head can be opened or closed as desired without impairing the illumination or the view. It has three specula in different sizes, a rubber compression bulb and Jumbo Handle Battery. Price, complete in case with two lamps..\$19.50

**No. 1040 Mastoid Transilluminator.** This attachment for the Ootoscope, when used in the dark, will transilluminate the mastoid. Price, with 2 lamps..\$6.00

**No. 1042 Nasal Speculum.** For use with the Ootoscope. Is most serviceable in nose work. Price..\$2.50

**No. 1048 Surgical Ear Instrument Set.** Contains Applicator, Curette, Spear Point and Knife, with interchangeable handle in compact holder and case. Price, complete.....\$6.50

**No. 1114 Combination Set of Rotary Prism and Rotary Cross Cylinder.** Contains the Risley Double Rotary Prism Unit No. 1105, which gives all prism equivalents from zero to 30 D., and DeZeng's Rotary Cross Cylinder No. 1110, which has a range of from zero to 6 D. 1½ inch size only. Price, in case..\$27.50

**\*No. 1210 DeZeng's Tongue Depressor.** This instrument gives a uniformly brilliant illumination, obtained from a cool lamp located at the base of the blade. Price, with two lamps.....\$7.00

**\*No. 1230 Laryngoscope and Transilluminator.** Has two interchangeable plano mirrors, ⅝ in. and ¾ in. in diameter, which may be rotated about the lamp. When used as a transilluminator the mirror is removed and the cool lamp placed in direct contact with the object. Price, with two lamps.....\$10.00

**No. 1286 Diagnostic Set.** Contains complete Electric Ophthalmoscope No. 185, Top of Electric Retinoscope No. 280, Head of Electric Ootoscope No. 1032, Laryngoscope and Transilluminator No. 1230, DeZeng's Tongue Depressor No. 1210, Holmes' Naso-Pharyngoscope No. 1500, Cord Adapter, No. 1095, and Pratt's Laryngeal Speculum No. 1400, with two lamps for each instrument. Price, complete in case.....\$105.00

**\*No. 1400 Pratt's Laryngeal Speculum.** Adult size. The lamp is located in the center of the blade, which position gives perfect illumination and prevents all internal reflexes. Price, with two lamps.....\$10.00

**\*No. 1402 Pratt's Laryngeal Speculum.** Same as No. 1400, but Infant size. Price, with two lamps..\$10.00

**\*No. 1500 Holmes' Naso-Pharyngoscope.** Gives a very large and perfectly defined field of view under a brilliant illumination with upright image. Has external rotatable snap contact with circuit breaker and detachable cords. It is furnished complete in cylindrical metal case. Price, with two lamps..\$38.50

### LAMPS

For Naso Pharyngoscope (2¼ v.) for Handle Battery or (4 v.) for Controller use. Price, each.....\$1.00

For all other instruments (2¼ v.) for Handle Battery or (4 v.) for Controller use. Price, each.....\$0.60

### NEW BATTERIES

No. 1060-B for Jumbo Handle Battery. Price...\$0.35

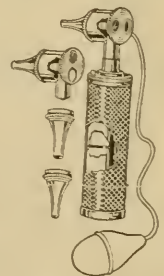
No. 1050-B for Standard Handle Battery. Price.. .30

*Detailed information relative to any instrument of DeZeng manufacture will be sent promptly on request*

**\*NOTE.**—All DeZeng electrically lighted instruments described are fully interchangeable and can be used on the self-contained Jumbo Handle Battery, which sells at \$6.00 complete with a two-cell dry battery; or on the city current (in connection with current controller) with Cord Handle No. 1070, which sells at \$3.50.



No. 1048



No. 1032

No.  
1040No.  
1042

No. 1210



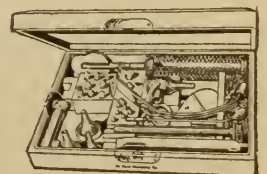
No. 1400



No. 1402

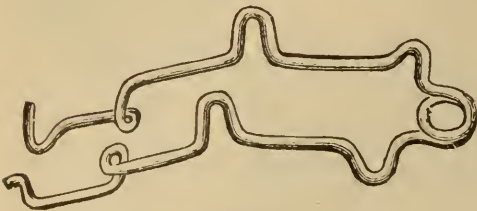


No. 1500 No. 1230

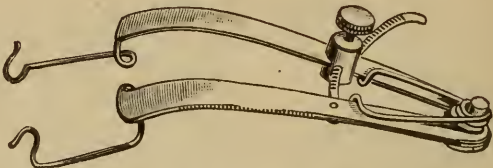


No. 1286

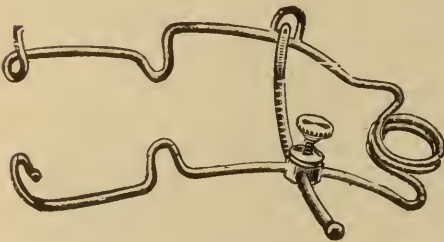
EYE INSTRUMENTS



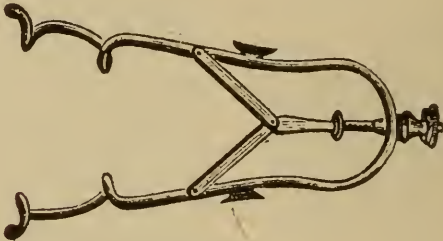
C-127



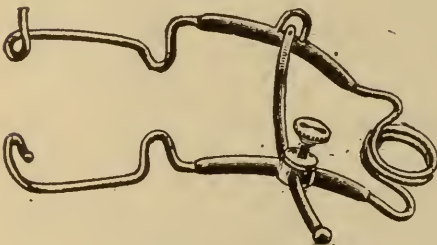
C-120



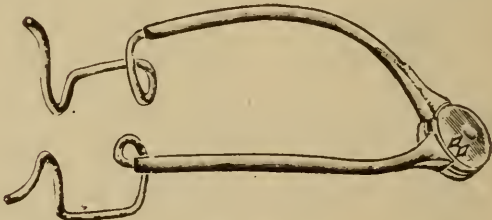
C-125



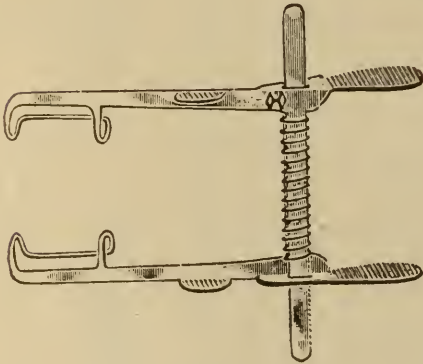
C-115



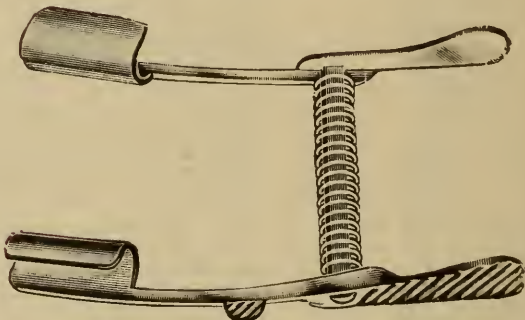
C-85



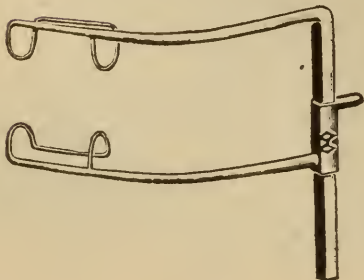
C-107



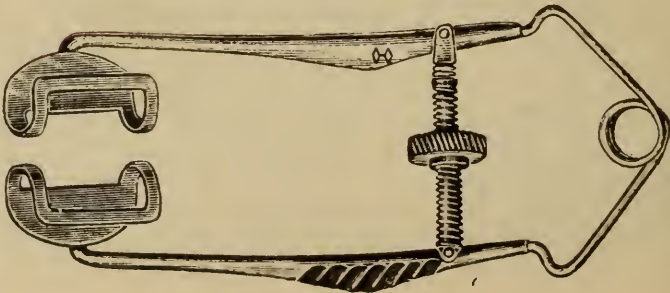
C-117



C-80



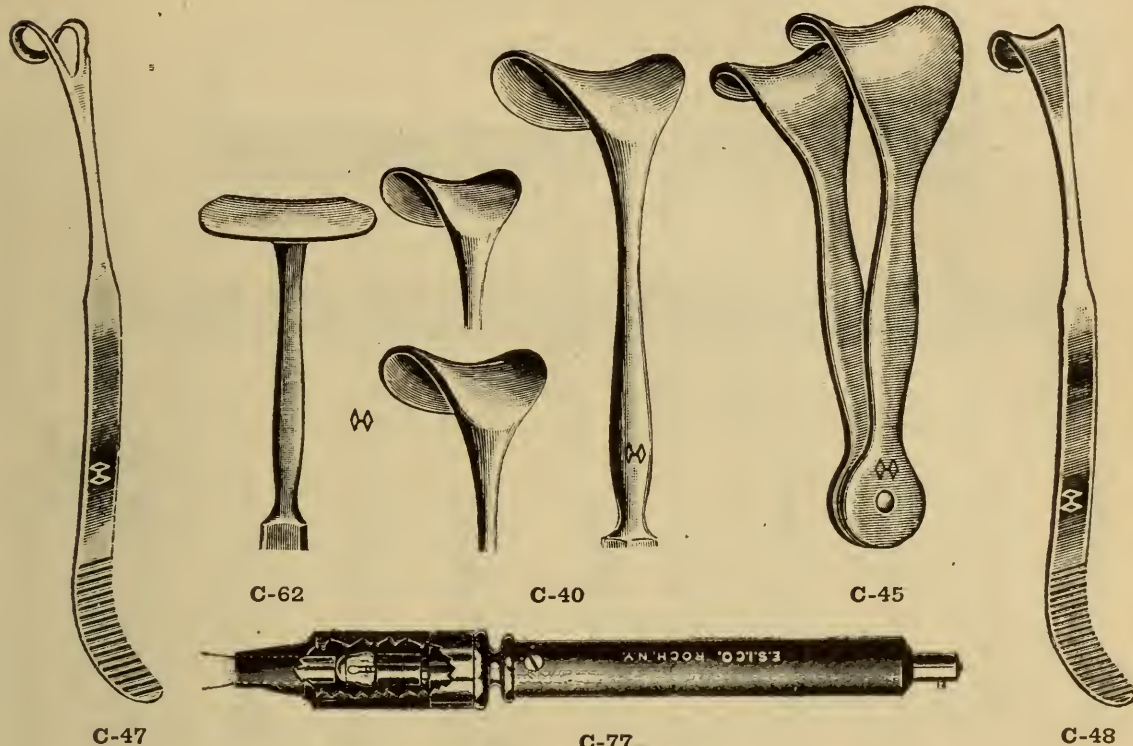
C-112



C-132



## EYE INSTRUMENTS



## RETRACTORS

C-40	Desmarre's, 4 sizes .....	each	\$1.25
C-45	Desmarre's, jointed, 2 sizes .....	each	1.25
C-47	Fisher's, fenestrated blade, flexible, for shaping .....	each	1.30
C-48	Fisher's, solid blade, flexible, for shaping .....	each	1.20
C-51	Fisher's, for lower lid, new model .....	each	1.25
C-52	Fisher's, lid hook, double, new model .....	each	1.50
*C-49	Moraweck's, fenestrated .....	each	1.25
*C-50	Noyes', fenestrated .....	each	1.85
*C-55	Stevens', shell .....	each	1.85
*C-60	Walton's, fenestrated .....	each	1.65
C-62	Zeigler's, one size .....	each	1.50

## LID PLATES

*C-65	Jaeger's, hard rubber .....	each	.40
*C-70	Jaeger's, ivory .....	each	1.20

## STRABISMOMETER

*C-75	Lawrence's, metal .....	each	2.00
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## EYE SPECULUMS

C-80	Beard's .....	each	2.00
C-85	Critchett's .....	each	1.40
*C-90	Fox's, improved .....	each	2.50
*C-95	Galante's .....	each	1.85
*C-100	Graefe's, plain .....	each	1.35
*C-105	Hinged .....	each	3.00
C-107	Major Smith's .....	each	2.75
*C-110	Monosmith's .....	each	1.75
C-112	Murdock's .....	each	2.50
C-115	Noyes' .....	each	1.35
C-117	Pana's, improved .....	each	1.50
C-120	Payne's .....	each	2.75
C-125	Plain wire, with set screw .....	each	1.00
C-127	Plain wire .....	each	.30
*C-130	Stevens' .....	each	1.75
C-132	Ziegler's .....	each	3.50

## TRANSILLUMINATOR

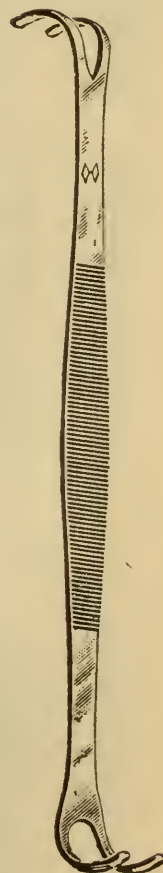
C-77	Transilluminator, E. S. I. Co.'s, ocular .....	net	4.00
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This instrument, originally suggested by Dr. R. D. Gibson, of Youngstown, Ohio, for the purpose of transillumination of the eye through the lids and sclera, is simple in construction and effective in operation, consisting in brief of a small hooded condenser lamp, the light from which passes through a short enclosed glass rod, about 5 mm. in diameter, to the tip of the instrument, which, being placed against the lid or sclera, gives, in the normal eye, brilliant illumination in the pupil and a well marked light-ring around the iris.

The instrument has the general size and shape of a fountain pen, has a 4-volt lamp and may be lighted on battery, socket current controller, wall plate or transformer. To obtain the most satisfactory results it should be used in a well darkened room.



C-51



C-52

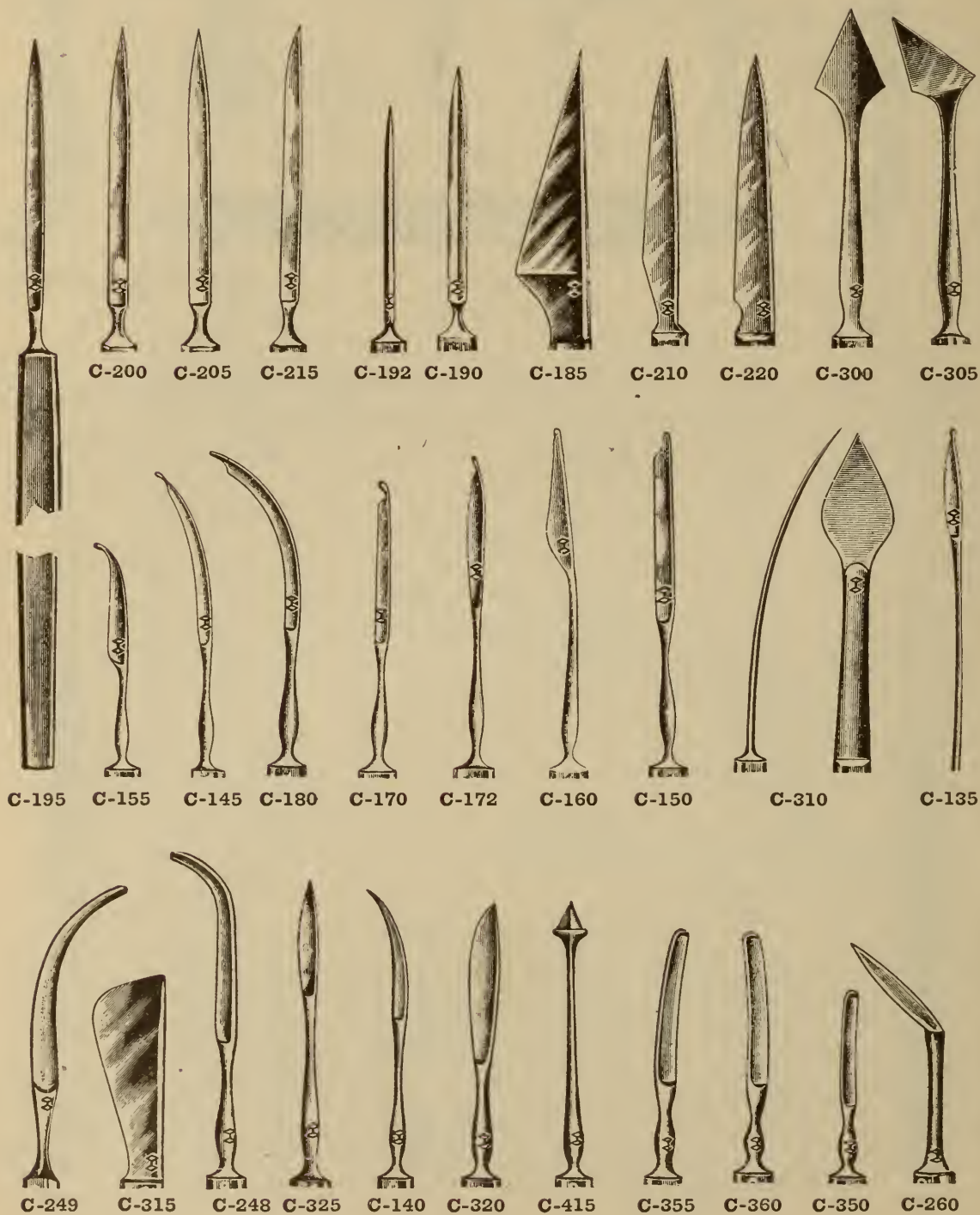
## EYE INSTRUMENTS



Box for Holding Eye Instruments.

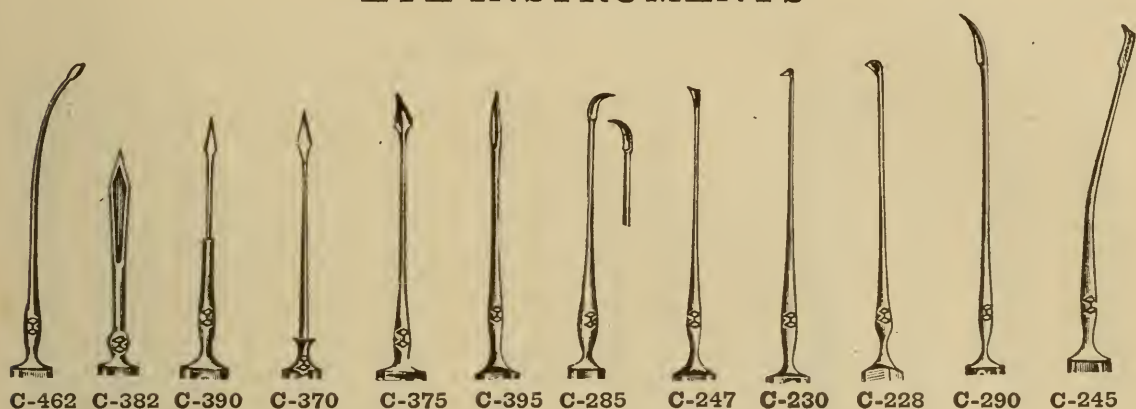


Handle for Eye Instruments, actual size.





## EYE INSTRUMENTS

**CANALICULA KNIVES**

C-135	Agnew's .....	\$1.65
C-140	Bowman's, sharp.....	1.75
*C-145	Bowman's, probe pointed....	1.75
C-150	Noyes' .....	1.75
C-155	Noyes-Stilling's .....	1.75
C-160	Schmidt-Rimpler's .....	1.75
*C-165	Thomas .....	1.80
C-170	Weber's, straight .....	1.75
C-172	Weber's, straight, English pattern .....	1.75
C-175	Weber's, half curved.....	1.75
C-180	Weber's, full curved.....	1.75

**CATARACT KNIVES**

C-185	Beer's, 3 sizes.....	1.75
C-190	Deutschmann's, double edged	2.25
C-192	Graefe's, very delicate.....	1.50
C-195	Graefe's, small .....	1.50
C-200	Graefe's, medium .....	1.50
C-205	Graefe's, large .....	1.50
C-207	Greene's, for Indian opera- tion, see page 245.....	1.80
C-210	Jackson's .....	1.75
C-215	Knapp's .....	1.60
C-220	Monoyer's .....	1.75
*C-225	Schweigger's .....	1.80

**KERATOMES**

C-300	Jaeger's, straight, 3 sizes....	1.75
C-305	Jaeger's, angular, 3 sizes....	1.75
C-310	Landolt's, curved .....	1.75
*C-312	Lichtenberg's, angular, probe	2.50

**CYSTOTOMES**

C-228	Beard's .....	1.50
C-230	Graefe's .....	1.50
*C-235	Graefe's, right .....	1.50
*C-240	Graefe's, left .....	1.50
C-245	Knapp's .....	1.50
C-247	Wilder's .....	1.50

**ENUCLEATION KNIVES**

C-248	Monosmith's .....	1.90
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**EXCENTRATION KNIVES**

C-249	Beard's, knife spatula.....	1.90
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**IRIDECTOMY KNIVES**

C-260	Agnew's .....	1.75
*C-265	Critchett's .....	1.75

**IRIS KNIVES**

*C-270	Adams' .....	1.80
*C-275	Double Edge .....	1.80
*C-280	Single Edge, with stop.....	1.50
C-285	Graefe's .....	1.65
C-290	Hayes' .....	1.65
*C-295	Sichel's .....	1.60

**LID KNIVES**

C-315	Beard's .....	1.75
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**SCALPELS**

C-320	Bellied, 3 sizes, each.....	1.50
C-325	Centre Point, 3 sizes, each..	1.50

**SCARIFIERS**

*C-330	Desmarre's .....	1.75
*C-335	Graefe's .....	1.75

**SCLERATOMES**

*C-340	De Wecker's.....	1.75
*C-345	Galezowski's .....	1.75

**SECONDARY KNIVES**

*C-347	Blake's, straight .....	2.00
C-350	Straight Edge .....	1.50
C-355	Concave Edge .....	1.50
C-360	Convex Edge .....	1.50
*C-365	Galezowski's .....	1.75

**CATARACT NEEDLES**

C-370	Straight .....	1.35
C-375	Curved .....	1.50
C-382	Walton's, grooved .....	1.90

**IRIS NEEDLES**

*C-385	Beer's, straight .....	1.40
C-390	Bowman's, with stop .....	1.50
C-395	Knapp's, knife.....	1.50
*C-400	Knapp's, with stop.....	1.75
*C-405	Zirn's .....	1.75

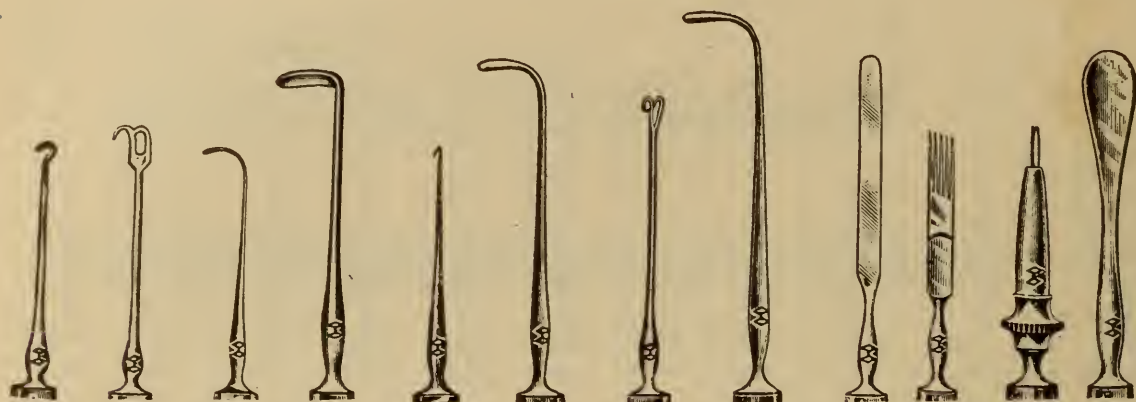
**PARACENTESIS NEEDLES**

*C-410	Plain .....	1.35
C-415	Desmarre's, straight.....	1.50

**SUTURE NEEDLES**

*C-425	De la Roza's.....	1.65
*C-430	Himley's .....	1.50
*C-435	Prince's .....	1.75

## EYE INSTRUMENTS



C-645

C-625

C-695

C-667

C-705

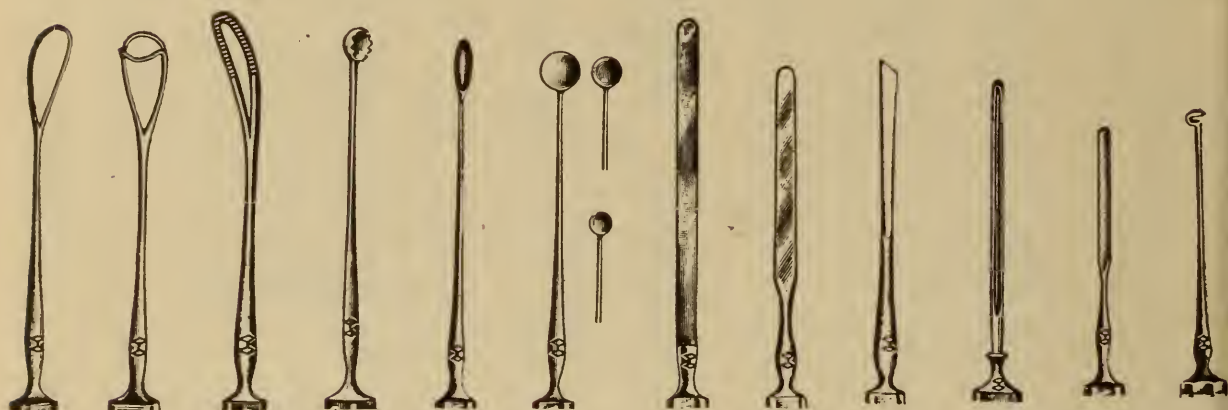
C-675

C-665

C-675

C-446

C-448



C-535

C-555

C-475

C-595

C-585

C-590

C-725

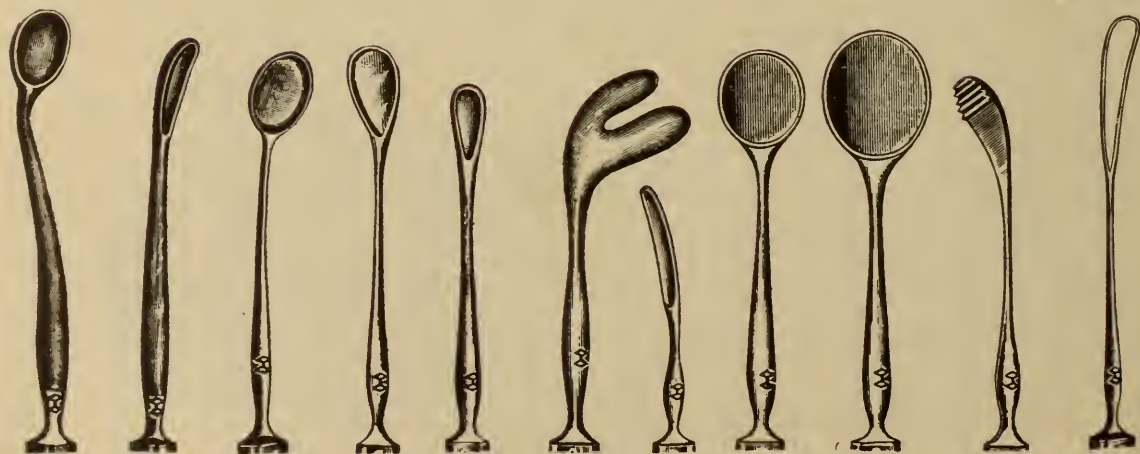
C-720

C-730

C-460

C-735

C-602



C-562

C-515

C-565

C-530

C-505

C-570

C-575

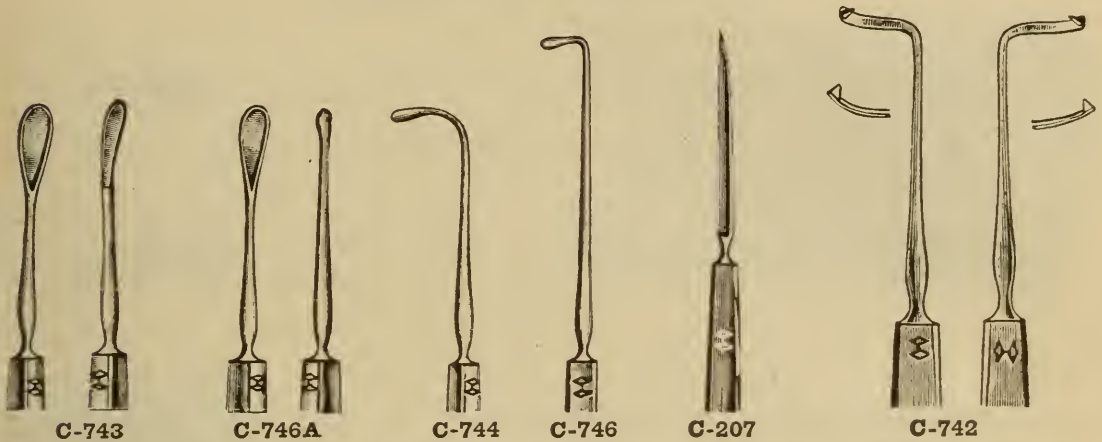
C-490

C-500

C-572



## EYE INSTRUMENTS



## TATTOOING NEEDLES

*C-440	Agnew's .....	\$1.85
*C-445	Baeder's .....	1.85
C-446	Baeder's, with spatulae .....	2.50
C-448	DeWecker's, with spatulae .....	2.50

## GOUGES

*C-450	Kuhnt's .....	1.50
*C-455	Kuhnt's .....	1.50
*C-457	Todd's, triangular point .....	1.50
C-460	Walton's .....	1.50

## PROBES

C-462	De Wecker's .....	1.35
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## SCOOPS

C-475	Arlt's, fenestrated .....	1.50
C-490	Bunge's, excentration .....	1.75
C-500	Critchett's, serrated .....	1.50
C-505	Daviel's .....	1.50
C-515	Graefe's, hard rubber .....	1.50
C-520	Graefe's, shell .....	1.65
C-530	Knapp's, silver .....	1.75
C-535	Lewis', fenestrated .....	1.50
C-555	Prince's, fenestrated cataract retractor .....	1.75
C-560	Schmidt-Rimpler's .....	1.50
C-562	Shell, lens, curved .....	1.75
C-565	Waldau's, silver .....	1.75
C-570	Wells', enucleation .....	1.50
C-572	Wilder's, fenestrated .....	1.75

## CURETTES

C-575	Daviel's, chalazion .....	1.65
C-585	Hebra's, chalazion .....	1.65
C-590	Meyerhoeffer's, chalazion .....	1.50
C-595	Skeel's, chalazion .....	1.75
C-602	Wheeler's, corneal .....	1.50

## HOOKS

C-625	Fixation, Guthrie's .....	1.50
*C-630	Foreign body, Graefe's .....	1.40
*C-640	Iris, angular, blunt .....	1.40
C-645	Iris, Tyrrell's, blunt .....	1.25
C-650	Iris, Tyrrell's, sharp .....	1.25
C-665	Lens, Graefe's, retractor .....	1.40
C-667	Pterygium, Prince's .....	1.50
C-675	Strabismus, Graefe's, 3 sizes .....	1.25
*C-680	Strabismus, sharp .....	1.25
C-695	Tendon, Stevens' .....	1.35
C-705	Traction, Stevens' .....	1.40

## SPATULAS

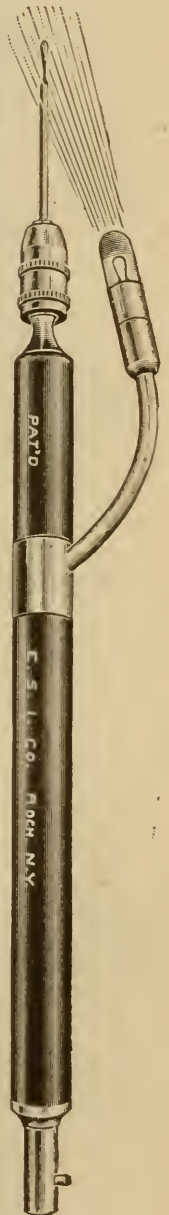
C-720	Flexible, silver .....	1.50
C-725	Flexible, shell .....	1.50
C-730	Daviel's, silver .....	1.50
C-746A	Green's, with pressure probe .....	2.40

## SPUDS

C-735	Dix's .....	1.25
*C-736	LaForce's, same as C-602 .....	1.65
C-737	Wheeler's, corneal, same as C-602 .....	1.50
C-738	Illuminated Eye Spud, E. S. I. Co.'s, with 2 spuds .....	4.00
C-741	Corelysis Hook, Fox's, double .....	2.50
C-742	Cystotome, Fox's, double .....	2.50
C-743	Spatula, Smith-Green's, double .....	2.40
C-744	Lid Retracting Hook, Smith-Green's .....	1.50
C-746	Pressure Hook, Smith-Green's .....	1.75

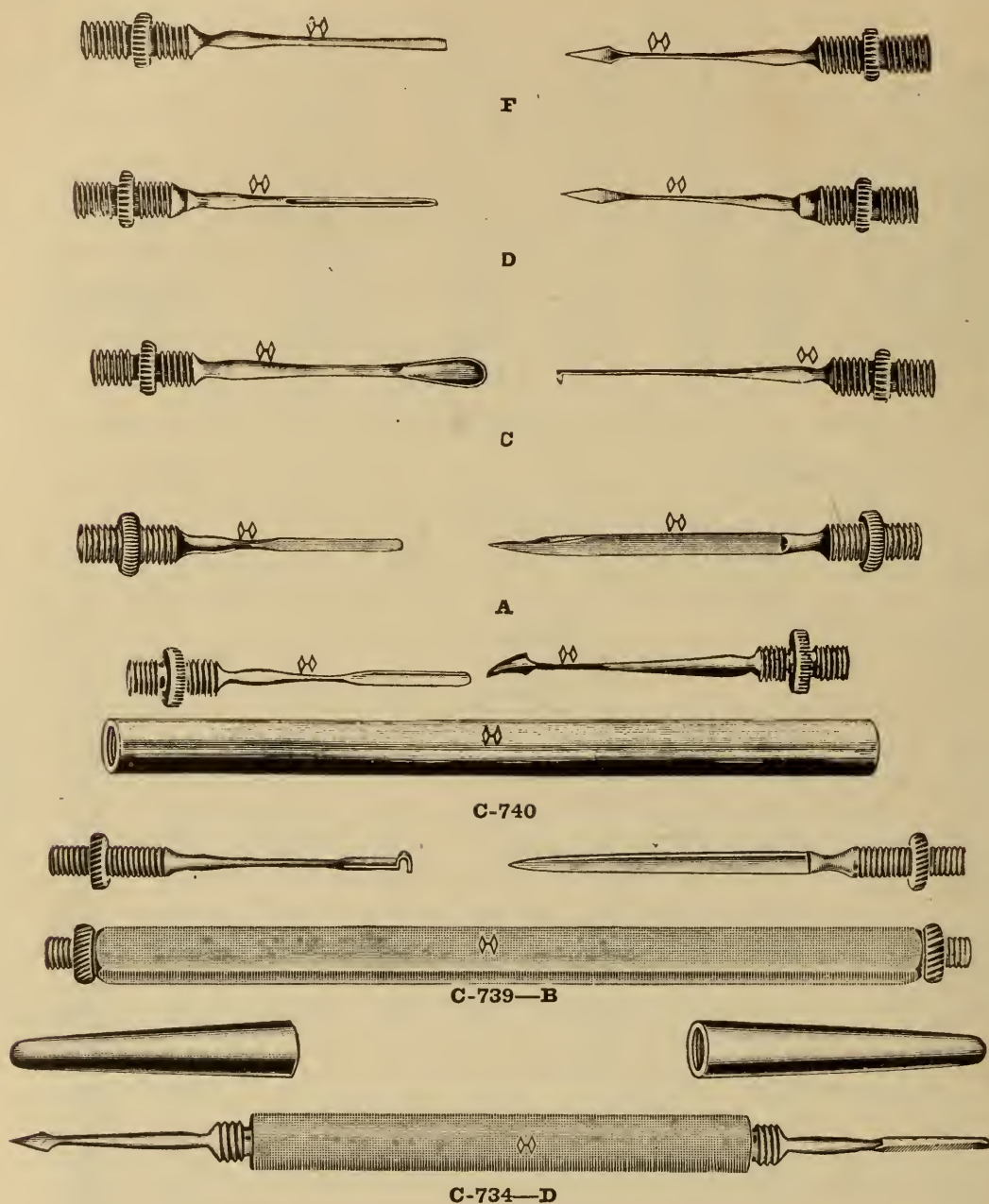


C-741



C-738

## EYE INSTRUMENTS



## DOUBLE EYE INSTRUMENTS

C-739	In Square, Metal, Reversible Pencil Case.	
	A—Graefe's Knife and Dix's Spud.....	\$1.75
	B—Graefe's Knife and Wheeler's Corneal Curette.....	2.25
	C—Cystotome and Scoop.....	1.50
	D—Needle, straight, with Gouge.....	1.50
	E—Needle, curved, with Gouge.....	1.50
	F—Needle, curved, with Spud.....	1.50
C-734	In Round, Metal, Pencil Case, with Screw Caps.	
	A—Graefe's Knife and Dix's Spud.....	\$1.75
	B—Graefe's Knife and Wheeler's Corneal Curette.....	2.25
	C—Cystotome and Scoop.....	1.50
	D—Needle, straight, with Gouge.....	1.50
	E—Needle, curved, with Gouge.....	1.50
	F—Needle, curved, with Spud.....	1.50
C-740	In Round, Metal, Reversible Pencil Case.	
	A—Graefe's Knife and Dix's Spud.....	\$2.00
	B—Graefe's Knife and Wheeler's Corneal Curette.....	2.25
	C—Cystotome and Scoop.....	1.75
	D—Needle, straight, with Gouge.....	1.75
	E—Needle, curved, with Gouge.....	1.75
	F—Needle, curved with Spud.....	1.75

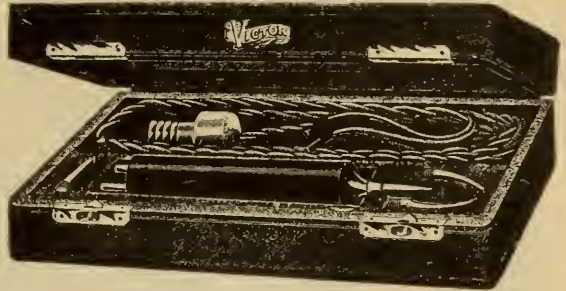


# EYE INSTRUMENTS

## C-749. VICTOR No. 3 EYE MAGNET

This magnet is 5¼ inches long without tip, and 1¼ inches in diameter; we supply with it 4 gold-plated tips and an attachment plug and cord. The Victor No. 3 is by far the strongest hand or portable magnet on the market; it is completely covered with polished hard rubber, the case is leather and plush lined.

Price for 110 Volt direct current, or for batteries as shown in case.....\$15.00  
 Price arranged for 220 Volt direct current ..... 16.50



C-749

## C-748. VICTOR No. 2 LITTLE GIANT EYE MAGNET

The No. 2 Little Giant Eye Magnet has a little over one-fourth the strength of the large Victor Giant Magnet. It can be raised or lowered, swivelled and tilted.

It is provided with two interchangeable gold-plated tips and is equal in appearance and workmanship to the larger magnet.

Price for 110 or 220 volt current, or for batteries....\$28.00  
 Price for Hand Controller Rheostat..... 10.00  
 Price for No. 1 Rectifier, necessary for alternating current only..... 25.00



C-748

## C-747. VICTOR GIANT EYE MAGNET

Great strength, perfect poise, ease of manipulation and absolute control of the magnet field have been combined in the design and construction of this magnet.

The magnet alone weighs 50 pounds and has a lifting power of approximately 400 pounds to the square inch. The crane, although weighing with the magnet over a hundred pounds, is mounted on light running casters and can be moved without any great effort. The chief advantage of this construction is that the patient may be laid on a couch or operating table and the crane moved into such a position that the magnet is suspended directly over him, and then by means of raising and lowering mechanism, the magnet may be lowered to the exact position desired; the accidental lowering of the magnet is impossible. It is best to use a rheostat so that its immense pulling power can be kept under perfect control. We strongly advise the use of the foot controller in preference to the one used by hand for the reason that the use of the former allows the operator perfect freedom in the use of both hands, as well as enabling him to concentrate his attention upon the work in hand.



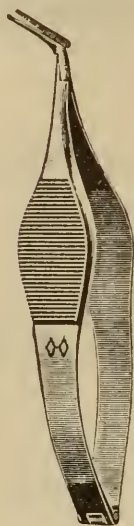
C-747

Price without rheostat, but otherwise as shown in the cut, for 110 volt direct current or for batteries.....\$130.00  
 Price additional wound for 220 volt, direct current..... 3.00  
 Price additional wound for 500 volt, direct current..... 5.00  
 Price of foot-rheostat for any circuit..... 26.00  
 Price of graduated wall-rheostat for 110 or 220 volt and battery circuits..... 9.00  
 Price of graduated wall-rheostat for 500 volt circuit..... 12.00  
 Price of crane only when not sold with the Victor giant magnet..... 65.00  
 Price of Victor No. 2 Rectifier, necessary on alternating current only..... 55.00

## EYE INSTRUMENTS



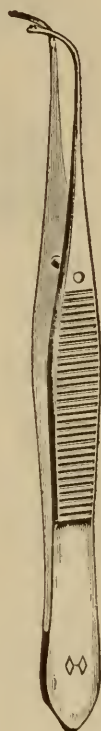
C-757



C-756



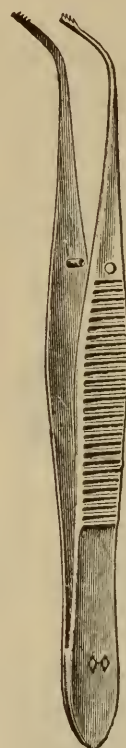
C-767



C-755



C-753



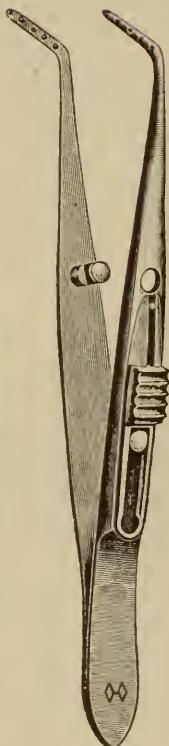
C-764



C-762



C-751



C-745



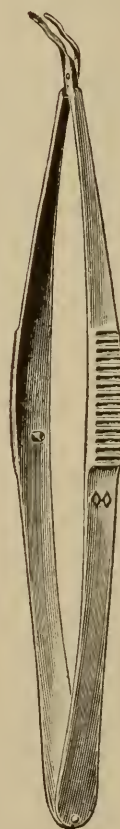
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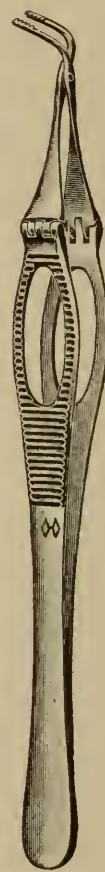
C-752



C-760



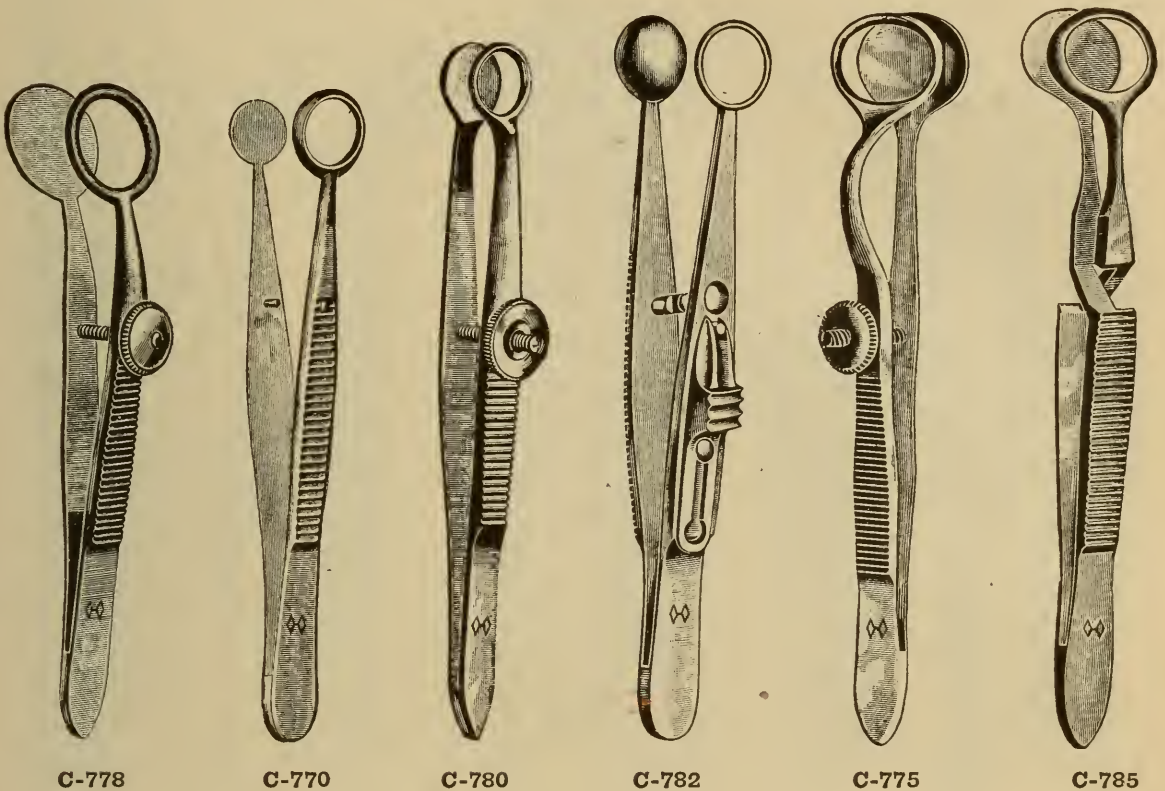
C-765



C-761



## EYE INSTRUMENTS



**EYE FORCEPS  
ADVANCEMENT**

C-751	Fisher's .....	\$2.50
C-745	Hotz's .....	2.50
C-750	Prince's .....	2.50
C-752	Reese's .....	4.00

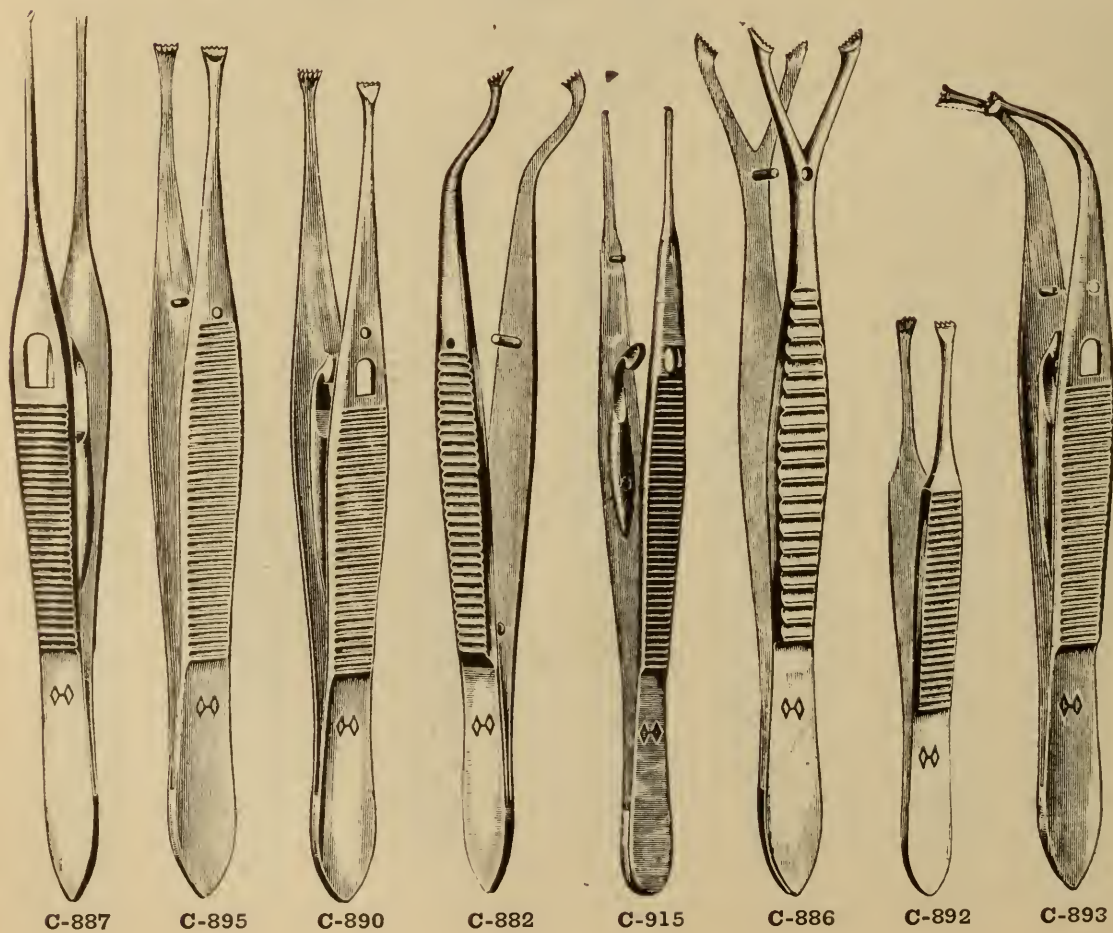
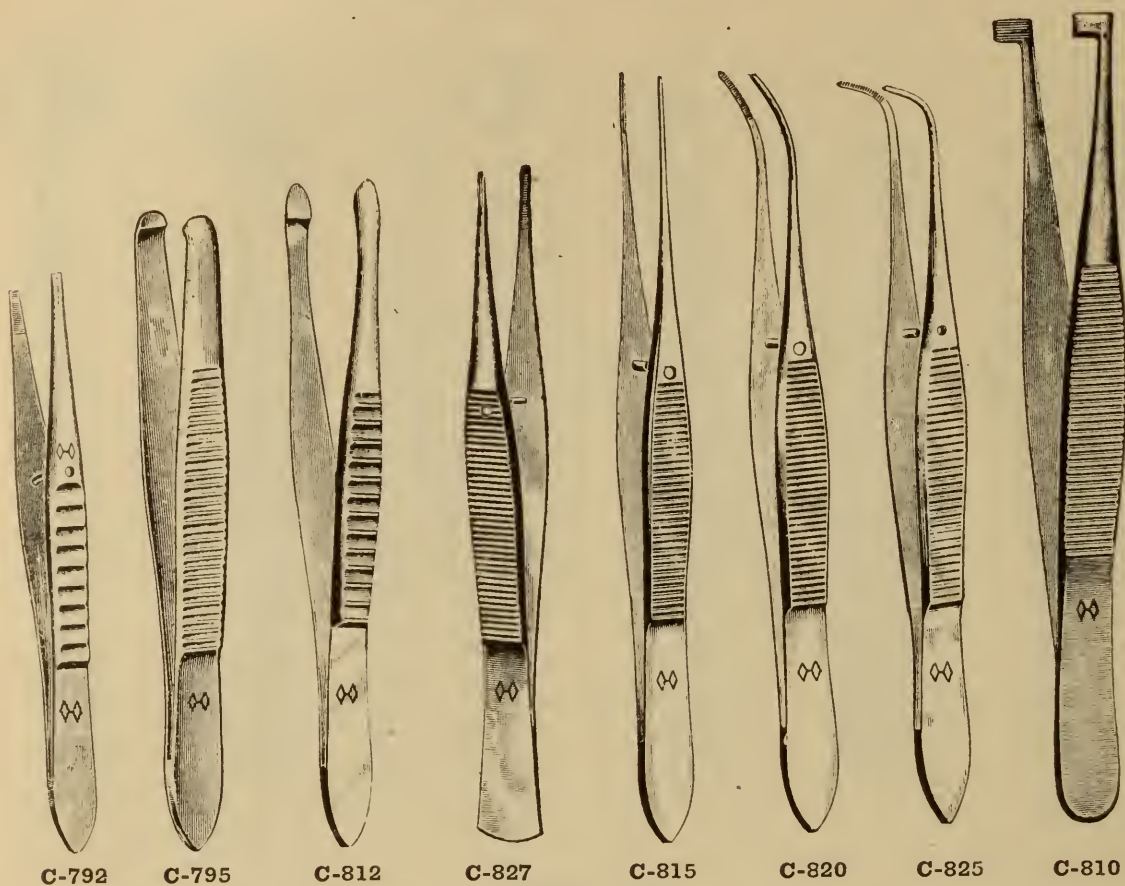
**CAPSULAR**

C-753	Fisher's .....	2.50
C-755	Foerster's .....	5.00
C-756	Francis', 4 and 4 teeth.....	5.00
C-757	Fuch's, Vienna pattern .....	2.00
C-760	Knapp's, original pattern .....	4.50
C-761	Knapp's, improved pattern .....	6.50
C-762	Mathieu's, for use in Indian operation.....	1.25
C-764	Schweigger's .....	1.75
C-765	Smith's .....	6.00
C-767	Terson's .....	2.50

**CHALAZION**

C-770	Ayer's .....	1.75
C-775	Francis' .....	3.25
C-778	Hunt's .....	2.75
C-780	Lambert's .....	3.00
C-782	Spencer's, slide catch.....	3.00
C-785	Starkey's .....	3.00
*C-790	Wilder's, clamp .....	2.50

## EYE INSTRUMENTS





## EYE INSTRUMENTS



C-835

C-836

C-852

C-832

C-855

## EYE FORCEPS

## CILIA

C-792	Douglass'	.....	\$0.50
C-795	Fine, broad points	.....	.50
*C-800	Fine, narrow points	.....	.50
*C-805	Henry's	.....	2.75
C-810	Piffard's	.....	1.25
C-812	Ziegler's	.....	.60

## DRESSING

C-815	Straight, serrated points	.....	1.00
C-820	Curved, serrated points	.....	1.10
C-825	Full curved, serrated points	.....	1.10
C-827	Non-magnetic, for use with eye magnet	.....	1.25

## ENTROPIUM

*C-830	Cross Bar	.....	2.50
C-832	Denis'	.....	3.00
C-835	Desmarre's	.....	2.00
C-836	Desmarre's, slide catch	.....	3.00
*C-840	Knapp's, right and left, each	.....	2.75
*C-850	Noyes', right and left, each	.....	2.50
C-852	Prout's, reversible, for right or left	.....	3.50
C-855	Snellen's, right and left, each	.....	2.50
C-857	Wilder's	.....	2.50
C-858	Ziegler's	.....	3.50

## ENUCLEATION

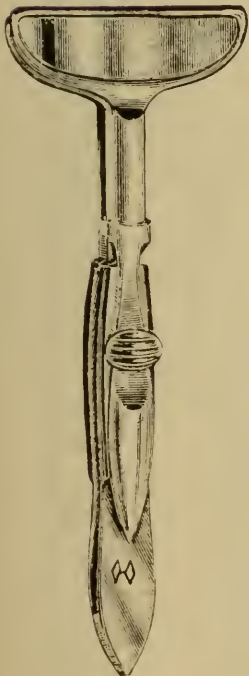
*C-860	Blitz's	.....	4.00
*C-865	Vulsellum, straight	.....	1.90

## LID

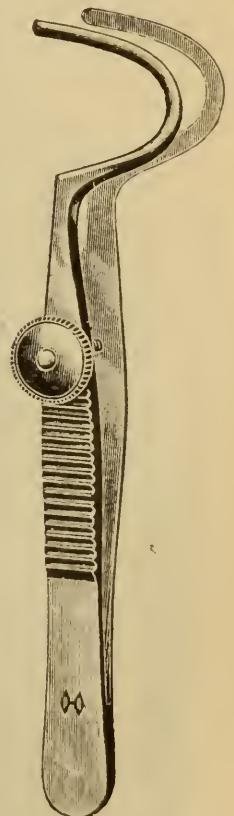
*C-870	Beard's	.....	2.75
*C-875	Fisher's	.....	2.50
*C-880	Kuhnt's	.....	2.50

## FIXATION

C-882	Barr's	.....	2.00
*C-885	Dudley's	.....	3.25
C-886	Ewing's	.....	3.50
C-887	Gifford's	.....	2.25
C-890	Graefe's	.....	1.75
*C-891	Greene's, for Indian operation, 1 and 2 teeth, \$1.25; 2 and 3 teeth	.....	1.40
C-892	Harmon's, 3 inches long	.....	1.50
C-893	Noyes', curved, spring catch	.....	2.00
C-895	Plain, straight	.....	1.25
*C-900	Plain, curved	.....	1.50
*C-910	Schweigger's	.....	2.10
C-915	Stevens'	.....	2.00

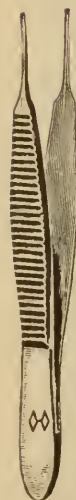


C-858



C-857

## EYE INSTRUMENTS



C-958



C-959



C-957



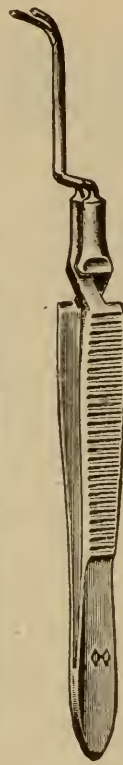
C-935



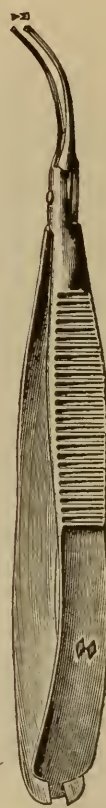
C-925



C-930



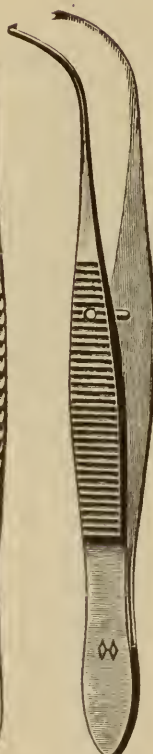
C-965



C-940



C-983



C-980



C-975



C-970



C-990



C-985



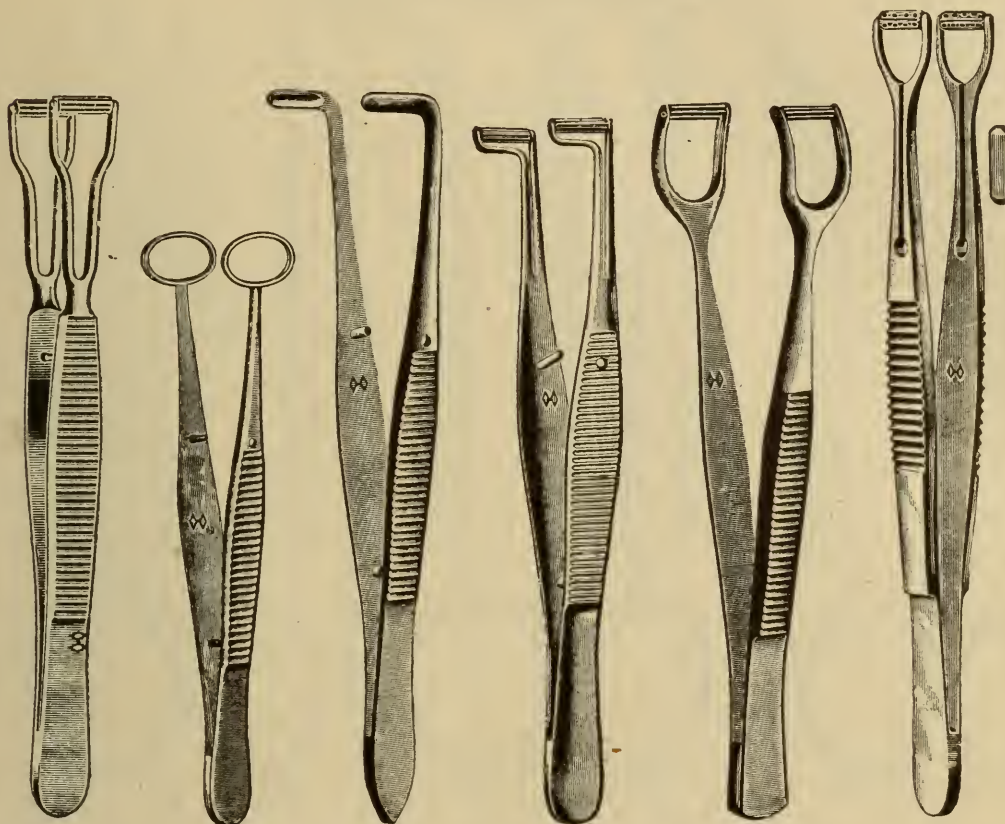
C-982



C-981



## EYE INSTRUMENTS



C-1000

C-1035

C-1032

C-1037

C-1005

C-992

## EYE FORCEPS

## IRIS

C- 925	Straight, fine, mouse tooth points.....	\$1.20
C- 930	Curved, fine, mouse tooth points.....	1.30
C- 935	Full curved, fine, mouse tooth points.....	1.30
C- 940	Collin's, curved .....	3.50
*C- 955	Fisher's .....	1.50
C- 957	Graefe's, angular .....	1.50
C- 958	Graefe's, straight, very delicate, 2½ inch.....	1.00
C- 959	Graefe's, curved, very delicate, 2½ inch.....	1.00
C- 965	Liebrich's improved pattern .....	5.25

## STRABISMUS

C- 970	Straight .....	1.20
C- 975	Curved .....	1.30
C- 980	Full curved .....	1.30
C- 981	Landolt's .....	1.75
C- 982	Non-magnetic, tissue, for use with eye magnet.....	1.75

## SUTURE

C- 983	Mule's .....	1.50
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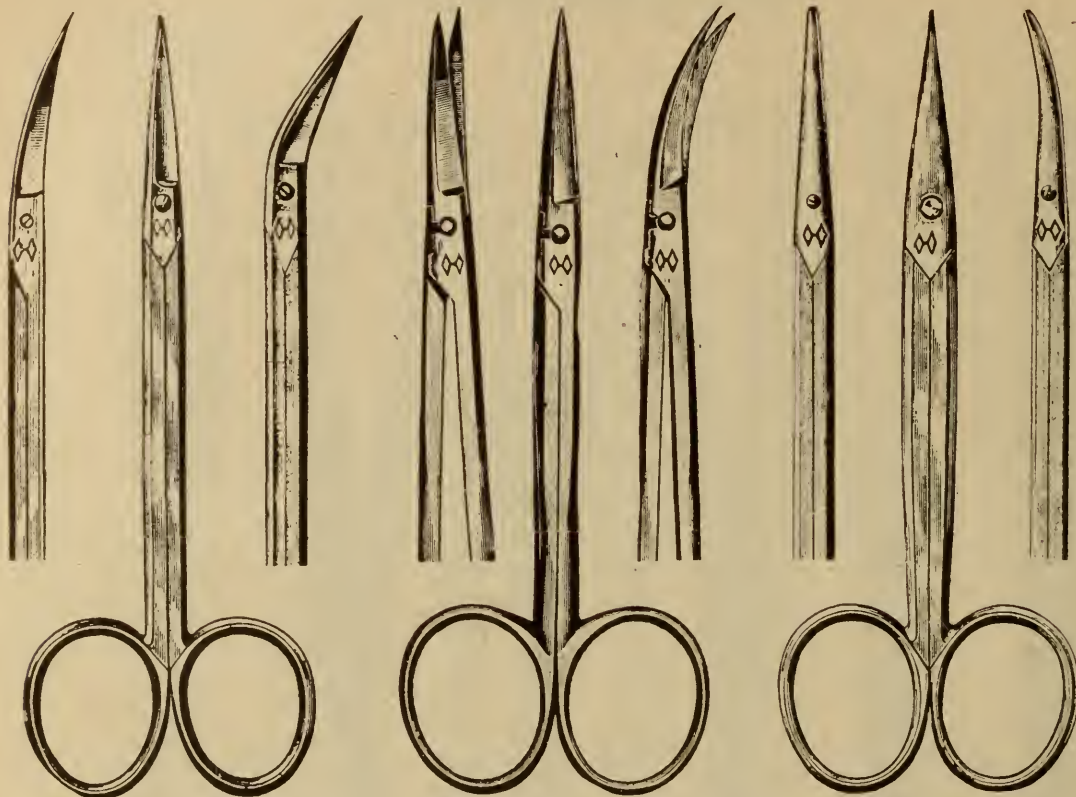
## TENDON

C- 985	Stevens', curved .....	1.50
C- 990	Stevens', straight .....	1.25

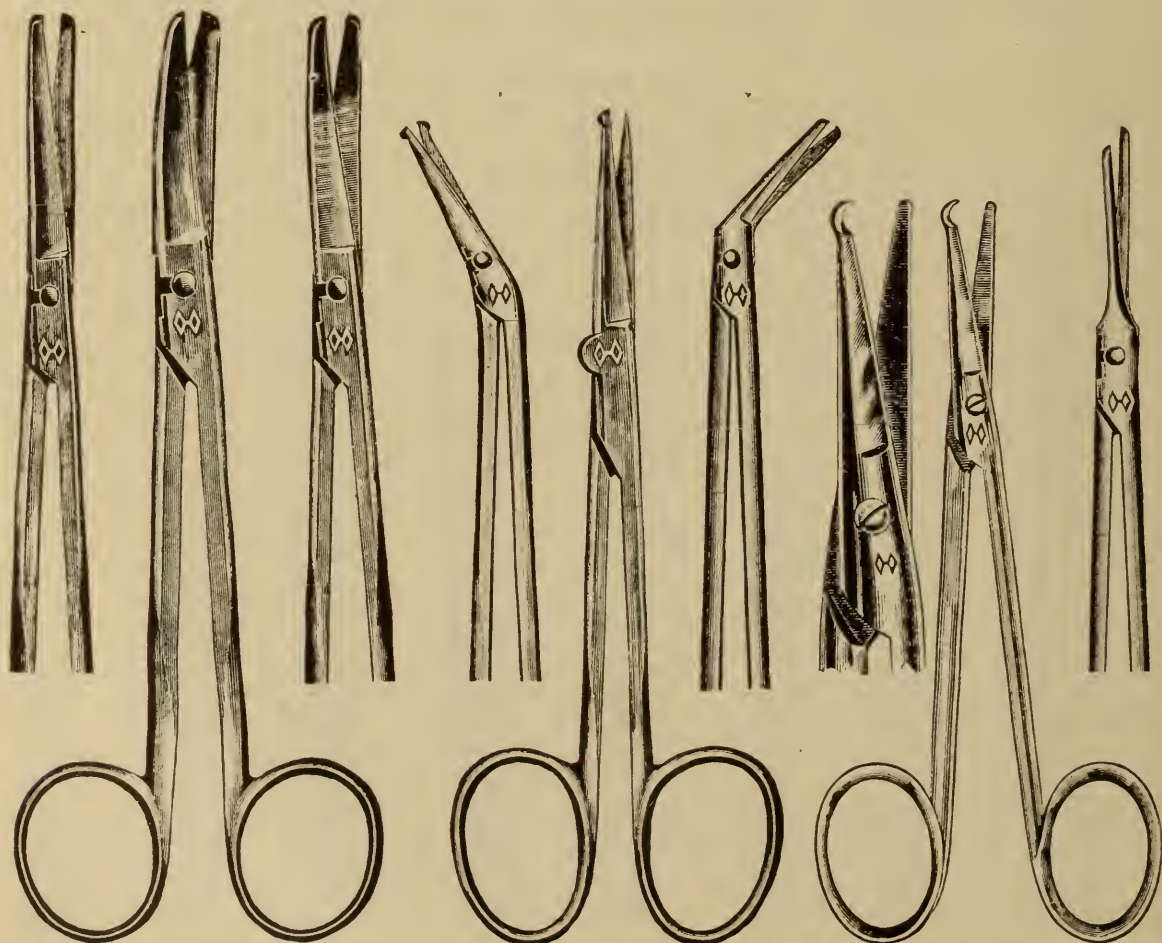
## TRACHOMA

C- 992	Falta's, with 3 rollers, 2 perforated and 1 plain.....	3.00
*C- 994	Falta's probe for cleaning rollers.....	.50
C-1000	Knapp's, original pattern .....	2.00
C-1005	Knapp's, improved pattern .....	2.00
C-1032	Noyes' .....	1.75
C-1035	Prince's .....	1.75
C-1037	Rust's, angular .....	2.75

## EYE INSTRUMENTS



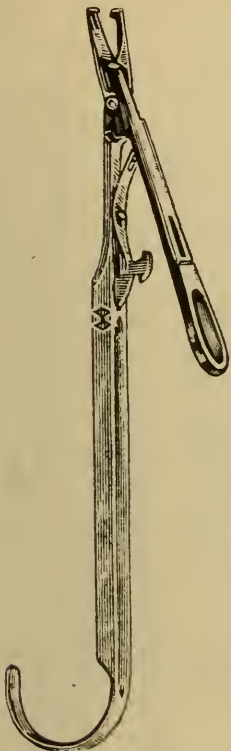
C-1070 C-1090 C-1050 C-1072 C-1092 C-1065 C-1170 C-1175 C-1155



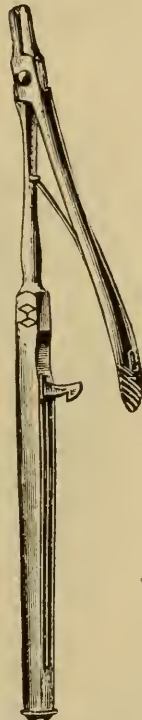
C-1043 C-1041 C-1040 C-1145 C-1125 C-1055 C-1174 C-1174 C-1120



## EYE INSTRUMENTS



C-1197



C-1195



C-1188



C-1200



C-1205

EYE SCISSORS  
ENUCLEATION

C-1040	Flat curved, 2 blunt points, light, 5 inch.....	\$1.50
C-1041	Flat curved, 2 blunt points, heavy.....	1.50
*C-1042	Flat curved, Fox's, 2 blunt points.....	1.65
C-1043	Straight, 2 blunt points, light, 5 inch.....	1.50
*C-1045	Warlomont's, with haemostatic clamp.....	7.50

## IRIS

C-1050	Angular, 2 sharp point, $4\frac{1}{2}$ inch.....	1.35
C-1055	Angular, 2 blunt points, $4\frac{1}{2}$ inch.....	1.75
C-1065	Edge Curved, heavy, 2 sharp points, $4\frac{1}{2}$ inch..	1.50
C-1070	Flat Curved, light, 2 sharp points, $4\frac{1}{2}$ inch...	1.35
C-1072	Flat Curved, heavy, 2 sharp points, $4\frac{1}{2}$ inch...	1.50
*C-1075	Flat Curved, lesser, 2 sharp points, Westcott handle .....	4.75
*C-1080	Flat Curved, full, 2 sharp points, Westcott handle .....	4.75
C-1090	Straight, light, 2 sharp points, $4\frac{1}{2}$ inch.....	1.35
C-1092	Straight, heavy, 2 sharp points, $4\frac{1}{2}$ inch.....	1.50
*C-1095	Straight, 1 probe point, $4\frac{1}{2}$ inch.....	1.50
C-1105	Wecker's .....	5.25

## LACHRYMAL

C-1120	Arlt's, $4\frac{1}{2}$ inch .....	1.65
C-1125	Knapp's, $4\frac{1}{2}$ inch.....	1.75

## PTERYGIUM

*C-1130	Chadwick's, curved to the right.....	2.85
*C-1132	Chadwick's, curved to the left.....	2.85
*C-1135	Chadwick's, curved on flat.....	2.10

## STRABISMUS

*C-1140	Angular, strong, 2 sharp points, $4\frac{1}{2}$ inch.....	1.50
C-1145	Angular, Maunoir's, 2 probe points, $4\frac{1}{2}$ inch..	1.65
C-1150	Flat curved, strong, 2 sharp points, $4\frac{1}{2}$ inch..	1.50
C-1155	Flat curved, strong, 2 blunt points, $4\frac{1}{2}$ inch...	1.50
*C-1160	Flat curved, Bowman's, 2 probe points, $4\frac{1}{2}$ in.	1.65
*C-1165	Straight, strong, 2 sharp points, $4\frac{1}{2}$ inch.....	1.35
C-1170	Straight, strong, 2 blunt points, $4\frac{1}{2}$ inch.....	1.35
*C-1172	Straight, Bowman's, 2 probe points, $4\frac{1}{2}$ inch..	1.50

## SUTURE

C-1174	Spencer's, stitch .....	2.25
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## TENOTOMY

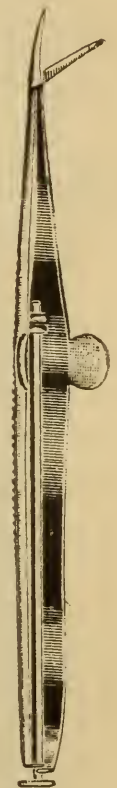
C-1175	Stevens', $4\frac{1}{2}$ inch.....	1.65
C-1110	Westcott's, spring handle .....	4.80

## NEEDLE HOLDERS

C-1188	Fisher's .....	4.00
C-1195	Knapp's .....	3.75
C-1197	Richter's .....	4.00
C-1200	Steven's .....	3.75
*C-1205	Stevenson's .....	3.75

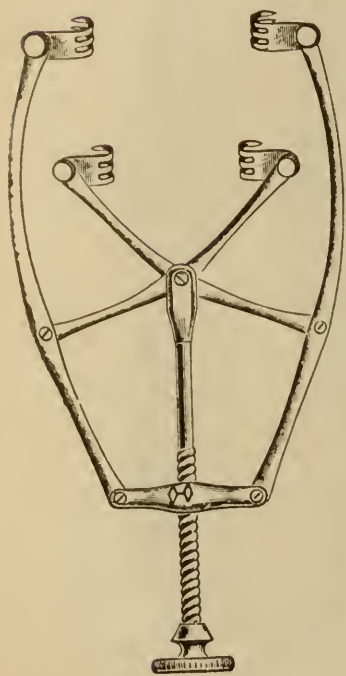


C-1110

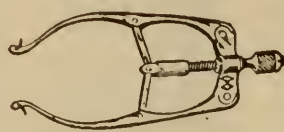


C-1105

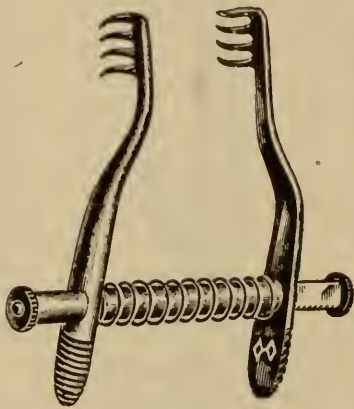
EYE INSTRUMENTS



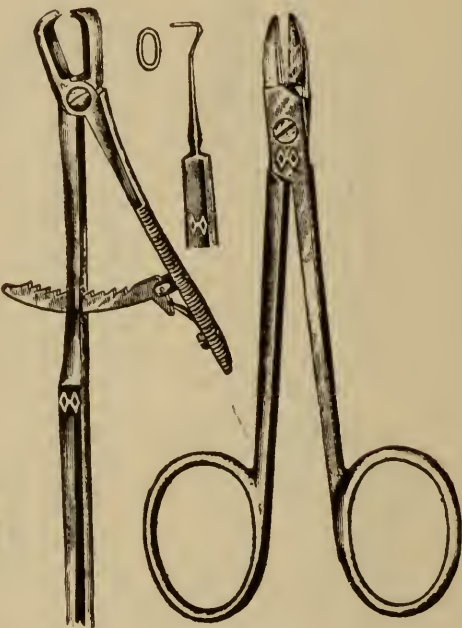
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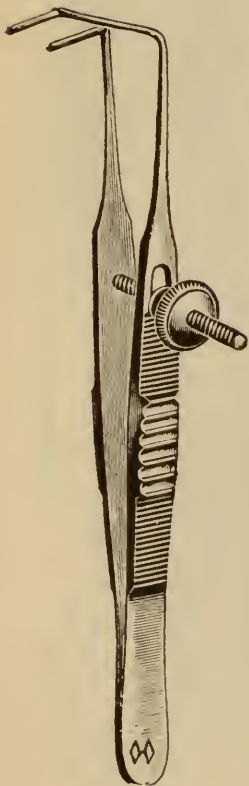
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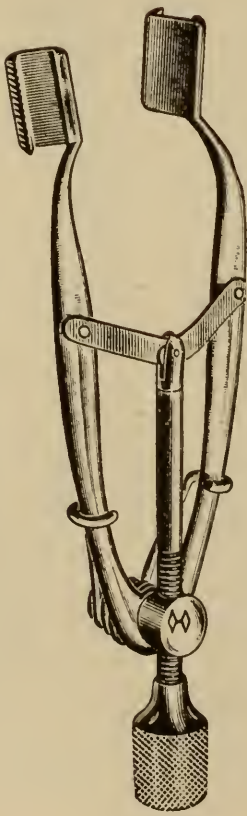
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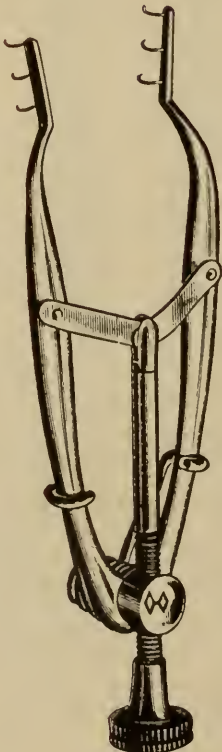
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C-1208



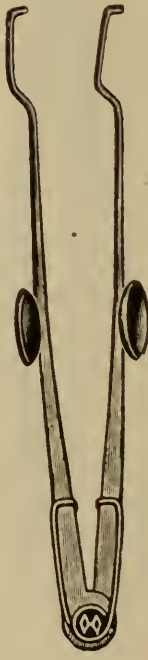
C-1216



C-1214



C-1210



C-1211



# EYE INSTRUMENTS



C-1221



C-1222



C-1226



C-1218



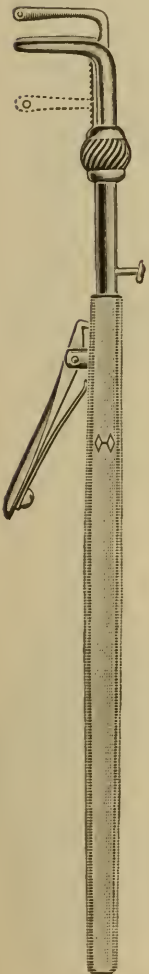
C-1223



C-1219



C-1224



C-1207

## TENOTOMY INSTRUMENTS

C-1206	Briggs' tendon shortening instruments, sets of 3.....	\$12.00
C-1207	Clark-Brun Tendon Tucker .....	7.25
C-1208	Greene's Tendon Tucker, right and left, each.....	3.00
C-1210	Todd's Tendon Tucker .....	4.50
C-1211	Valk's Double Strabismus Hook.....	3.50

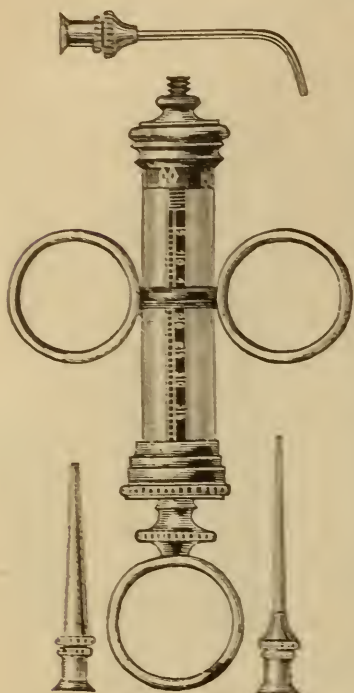
## RETRACTORS

*C-1212	Axenfeld's, lachrymal sac .....	5.00
C-1213	Sydney Stephenson's, lachrymal sac .....	5.75
C-1214	Stephenson's, original model, lachrymal sac.....	4.00
C-1216	Stephenson's, latest model, lachrymal sac.....	4.50
C-1217	Wilder's, non-magnetic, for opening the scleral wound..	5.40
C-1217a	Wilder's, lachrymal sac .....	4.50

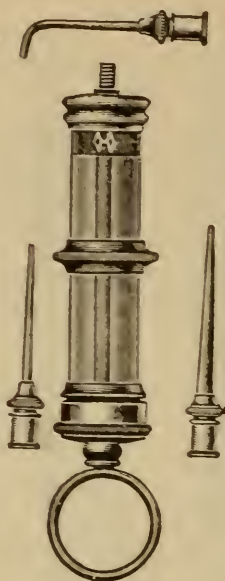
## TREPHINES—CORNEAL

C-1218	Bowman's, set of 3, 1, 1½ and 2 mm., in case.....	2.50
C-1219	Brown-Pusey's, 1, 1½ and 2 mm., each.....	3.50
C-1221	Cross' .....	4.00
C-1222	Elliott's, latest, with aluminum handle with steel chuck, 2-1½, and 2-2 mm. trephine blades, in case.....	6.75
C-1226	Lichtenberg's, 1½ or 2 mm. with centering pin.....	3.75
C-1223	Sydney Stephenson's, 3 sizes, 1, 1½ and 2 mm., each....	3.50
C-1224	Ziegler's, one size, 1½ mm.....	2.50

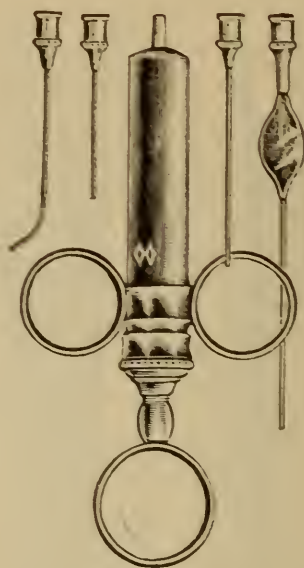
## EYE INSTRUMENTS



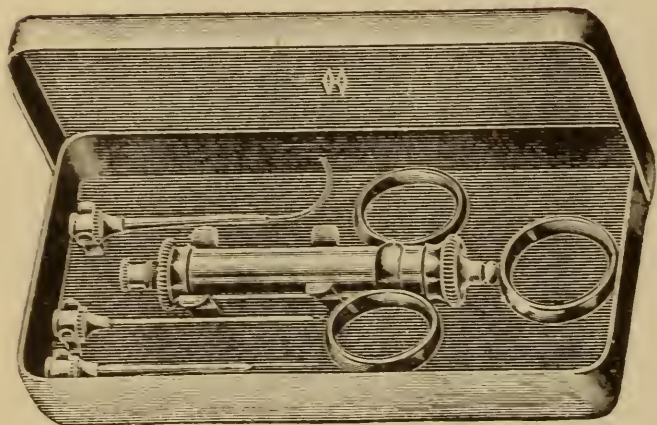
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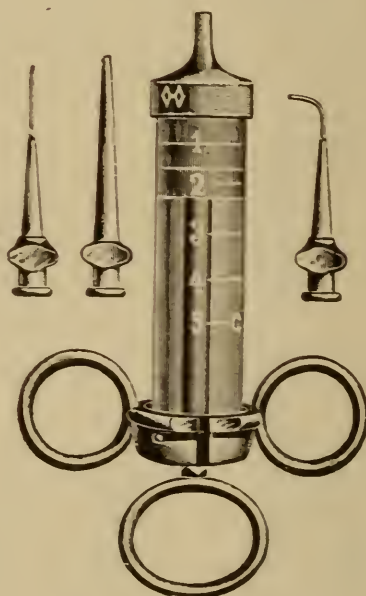
C-1288



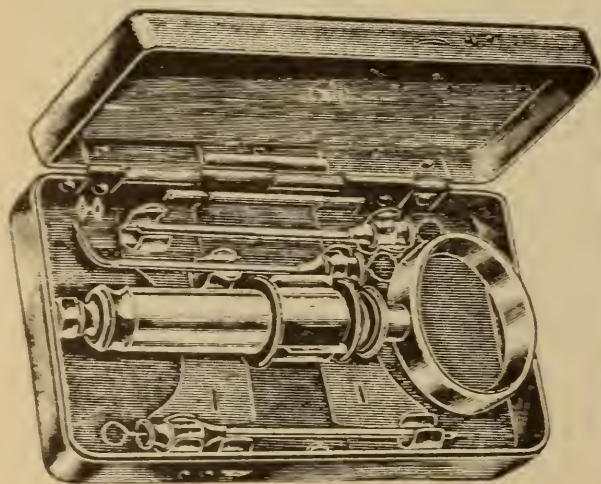
C-1302



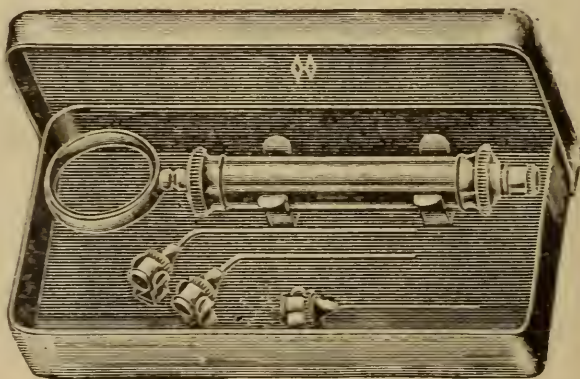
C-1298



C-1299



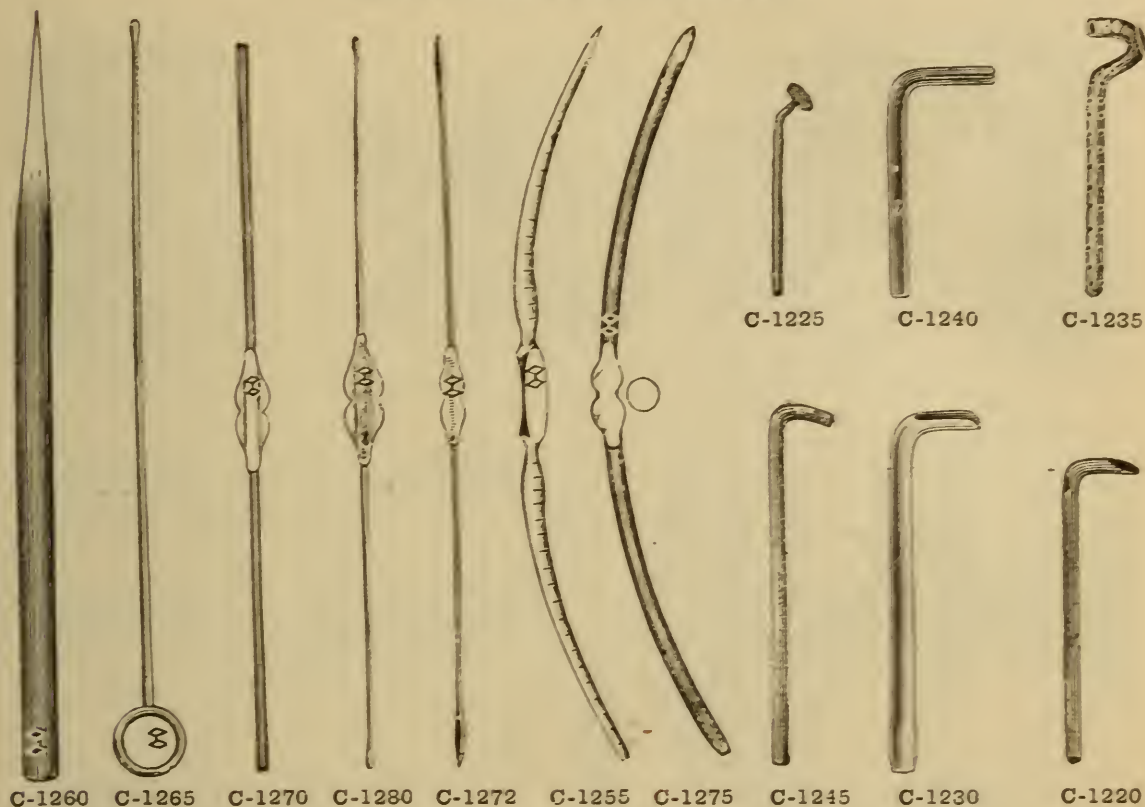
C-1296



C-1290



## EYE INSTRUMENTS



## ASPIRATOR

C-1228	Bowman's, for soft cataract.....	\$2.00
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## CANULAE AND STYLES

C-1220	Bowman's, silver .....	.60
C-1225	Bowman's, silver .....	.60
C-1230	Fox's, silver .....	.60
C-1235	Prince's, right and left, silver.....	.65
C-1240	Taylor's, silver .....	.60
C-1245	Style, silver .....	.50

## DILATORS

*C-1250	Peck's, silver, 2 sizes, each.....	1.25
C-1255	Weber's, graduated, silver, each.....	1.60
C-1260	Wilder's, conical, 3 sizes, plated, each.....	.50

## PROBES

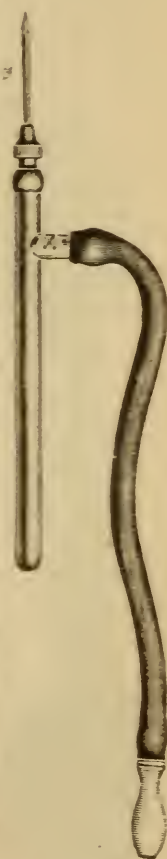
C-1265	Anel's, silver .....	.40
C-1270	Bowman's, 8 sizes, per set, plated, \$1.20; silver .....	2.40
C-1272	Holtz's, 6 sizes, plated, each.....	.60
C-1275	Theobald's, 16 sizes, per set, plated, \$4.00; silver .....	9.60
C-1280	Williams', 8 sizes, per set, plated, \$1.80; silver .....	2.20

## SYRINGES

*C-1285	Agnew's, lachrymal, plated, \$3.50; silver..	9.00
C-1288	Anel's, metal mounted, glass barrel, in case	3.25
C-1290	Anel's, all metal, with metal plunger, in metal case .....	4.00
C-1295	Colburn's, lachrymal, \$1.00; with middle ear tip .....	1.75
C-1296	Criterion, lachrymal, in metal case.....	4.00
C-1297	Luer's, metal mounted, glass barrel, in case	3.75
C-1298	Luer's, all metal, metal packing, in metal case .....	4.75
C-1299	Record's, 5 cc., with 3 canulae, in metal case .....	5.50
C-1302	Risley's, metal, with 4 tips.....	5.50



C-1295

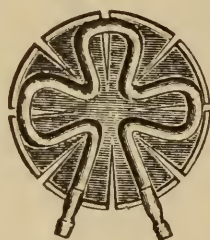


C-1228

# EYE INSTRUMENTS



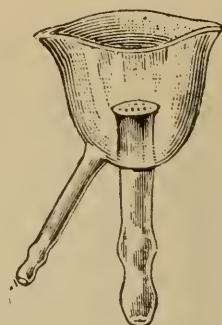
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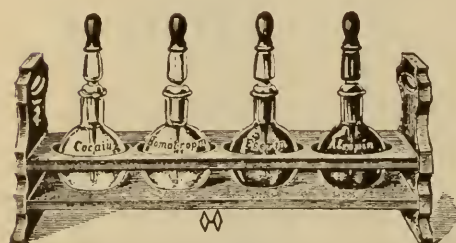
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C-1305



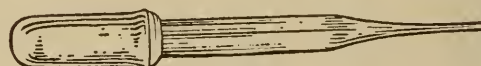
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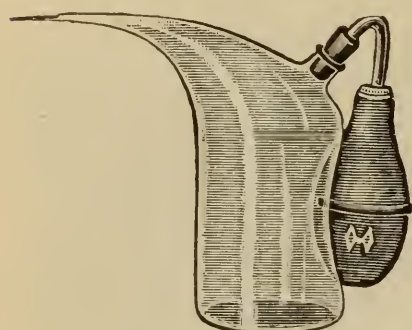
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C-1330



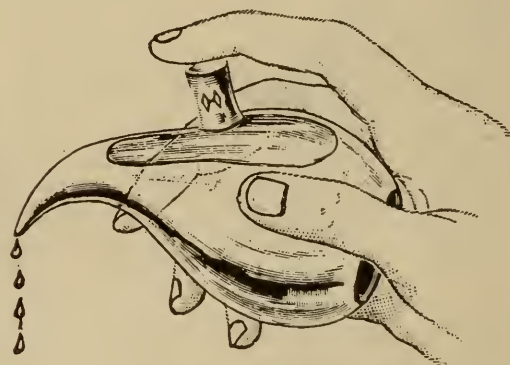
C-1332



C-1350



C-1360



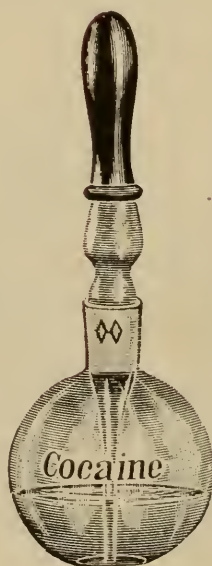
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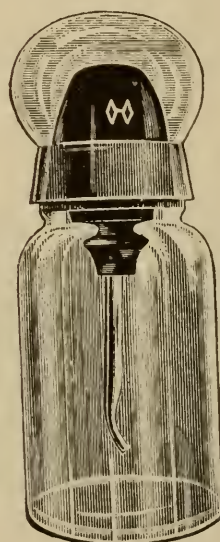
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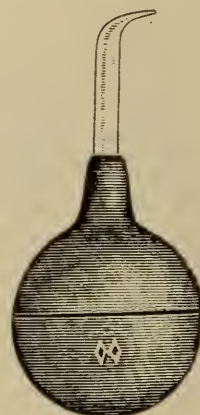
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C-1320



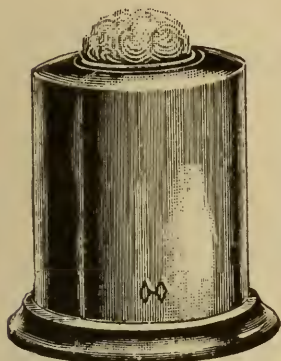
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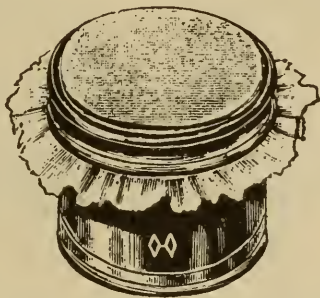
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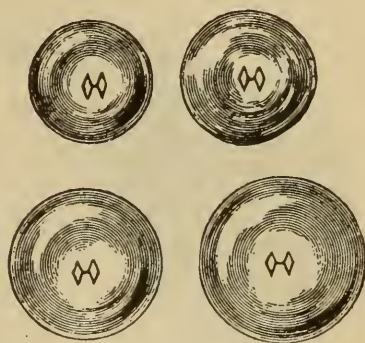
## EYE INSTRUMENTS



C-1324



C-1378



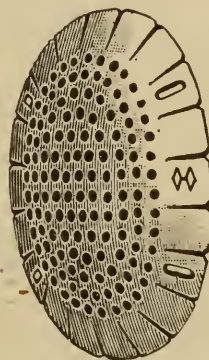
C-1374



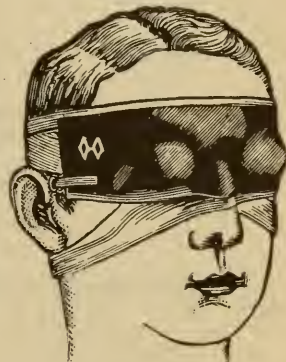
C-1365



C-1370



C-1372



C-1375

## SUNDRIES

C-1305	Bath, plain, glass .....	\$0.15
C-1306	Bath, plain, glass, combined with bottle. ....	.50
C-1310	Schweigger's, glass .....	.90
C-1316	Bottle, drop, ground stopper, 1 oz., 25c; 2 oz. ....	.35
C-1320	Bottle, Storchsein's, each, \$1.00; per set of 4 with tripod .....	5.00
C-1321	Bottle Stand, wood, for 4 Storchsein's bottle, stand only .....	2.25
C-1317	Bottle, Ziegler's, boric acid wash.....	1.75
*C-1318	Caustic Pencil, alum cone.....	.45
C-1319	Caustic Pencil, sulphate of copper cone..	.45
*C-1322	Caustic Pencil, pyoktannin cone.....	.90
*C-1323	Caustic Pencil, nitrate of silver cone....	.45
C-1324	Cotton Reservoir, small size.....	1.50
C-1325	Coil, Leiter's, lead, for hot and cold applications .....	1.35
C-1330	Dropper, glass, bulb end, per doz.....	.50
C-1332	Dropper, glass, curved, plain, per doz....	.50
*C-1335	Dropper, Dunn's .....	1.75
C-1340	Dropper, Undine, with stopper.....	.60
C-1342	Introducer, Carter's, for Mule's Vitreous spheres .....	3.25
C-1345	Irrigator, Gibson's, for anterior chamber	1.25
C-1350	Irrigator, Todd's, for anterior chamber..	1.75
C-1355	Irrigator, Woodruff's, for anterior chamber .....	1.00
C-1360	Pipette, Prince's, silver tip, 60c; platinum tip .....	1.50
C-1365	Shade, eye, single.....	.15
C-1370	Shade, eye, double .....	.25
C-1372	Shield, Fox's, aluminum.....	.60
C-1374	Spheres, Mule's, vitreous, 4 sizes, each...	.15
C-1375	Mask, Ring's, for cataract.....	.40
C-1378	Test Drum, with piece of fine, thin kid..	.60

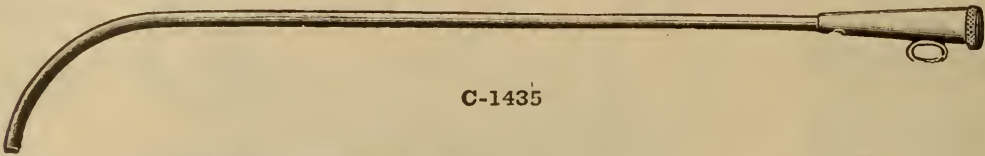


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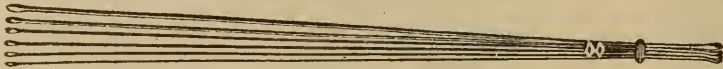


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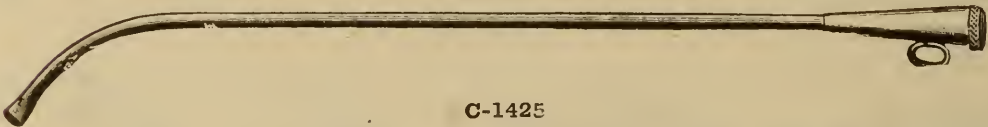
EAR INSTRUMENTS



C-1435



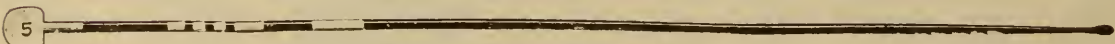
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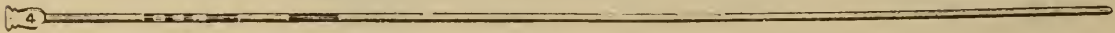
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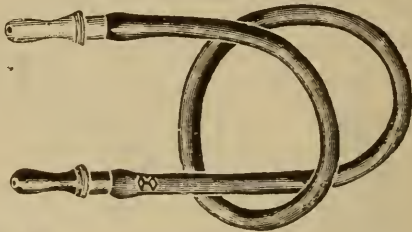
C-1437



C-1416



C-1417



C-1440



C-1494



C-1490



C-1492



C-1491



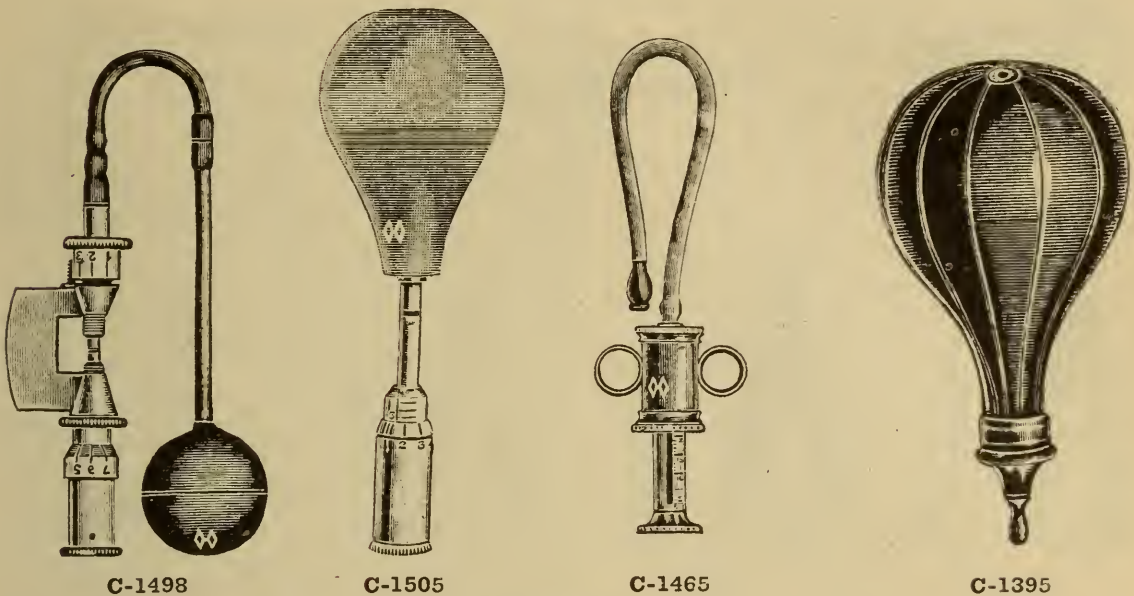
C-1475



C-1493



## EAR INSTRUMENTS



## ACOU METERS

*C-1381	Barany's, Lärm Apparat.	\$ 7.50
*C-1380	Bartlett's	1.50
*C-1382	Politzer's	3.00

## AIR BAGS

*C-1385	Lenox-Brown's	2.25
C-1395	Politzer's, with valve, 4 oz., \$1.20; 8 oz., \$1.80; 12 oz.	2.40
C-1400	Politzer's, without valve, 4 oz., \$1.35; 8 oz., \$1.95; 12 oz.	2.65
*C-1405	Tips, A connection, .25; B, hard rubber, .25; C, hard rubber, .25; D, glass	.15

## BOUGIES

C-1410	Urbanschitsch's, celluloid, 6 sizes, set.	3.50
*C-1415	Whalebone, double end, 5 sizes, set, \$1.50; each.	.40
C-1416	Yankauer's, graduated, 5 sizes, each.	1.00
C-1417	Yankauer's, sounds, graduated, 5 sizes, each.	1.00

## CATHETERS

*C-1420	Hard Rubber, 6 sizes, each.	.35
C-1425	Hartman's, 6 sizes, plated, each, .80; silver, each.	1.75
*C-1430	Herzfeld's, spiral end.	2.00
C-1435	Plain, 6 sizes, plated, each, .70; silver, each.	1.65
C-1437	Weber-Liel's, silk	1.00

## DIAGNOSTIC TUBE

C-1440	Toynbee's, 3 ft. long, hard rubber ear pieces.	.75
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## INHALERS

*C-1450	Buttle's, hard rubber.	1.00
*C-1452	Pomeroy's, glass nozzle.	.60
*C-1455	Pyncheon's, hard rubber.	1.00

## MASSEURS

*C-1460	Delstanche's	3.00
C-1465	Delstanche's, with 3 rings.	3.50
*C-1470	Wigmore's, for compressed air	10.50

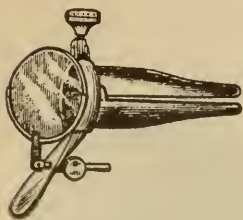
## TUNING FORKS

C-1475	Plain, 4½ in., A or C.	.50
*C-1480	Fine, 6½ in., C2, 512 vibrations.	1.50
*C-1485	Dench's, large, 26 to 64 vibrations.	10.75
C-1490	Hartman's, C, 128 vibrations.	3.00
C-1491	Hartman's, C1, 256 vibrations.	2.75
C-1492	Hartman's, C2, 512 vibrations.	1.50
C-1493	Hartman's, C3, 1,024 vibrations.	1.25
C-1494	Hartman's, C4, 2,048 vibrations.	4.50
*C-1494A	Hartman's, set of 5 in case.	14.25
*C-1497	Bezold's, continuous tone series of tuning forks, consisting of 10 forks, 3 whistles, and 1 hammer, in case, complete.	210.00

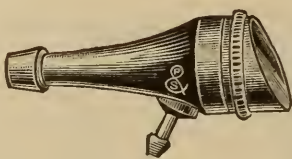
## WHISTLES

C-1498	Bezold's	23.50
*C-1500	Dench's	4.75
C-1505	Galton's	4.25

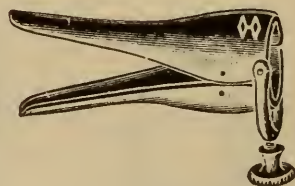
## EAR INSTRUMENTS



C-1532



C-1520



C-1534



C-1565



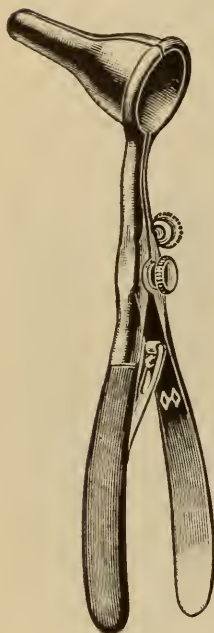
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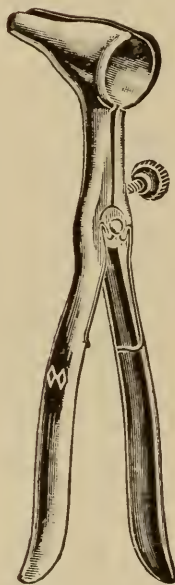
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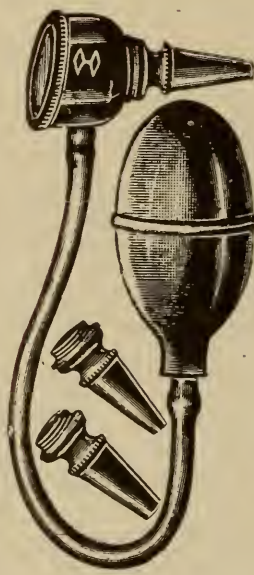
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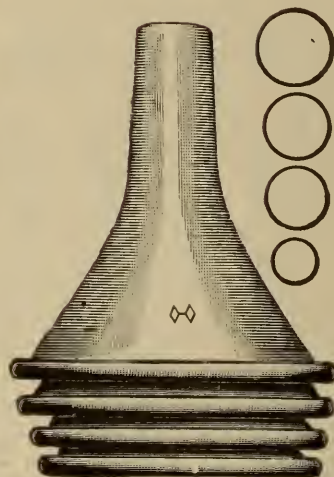
C-1546



C-1545



C-1530



C-1535-1535A

## OTOSCOPES AND SPECULUMS

## OTOSCOPES

C-1520	Burnett's, with bulb.....	\$2.50
*C-1525	Pyncheon's, with bulb.....	3.50
C-1530	Siegel's, with bulb.....	3.00
C-1532	Simrock's, with magnifier.....	3.00

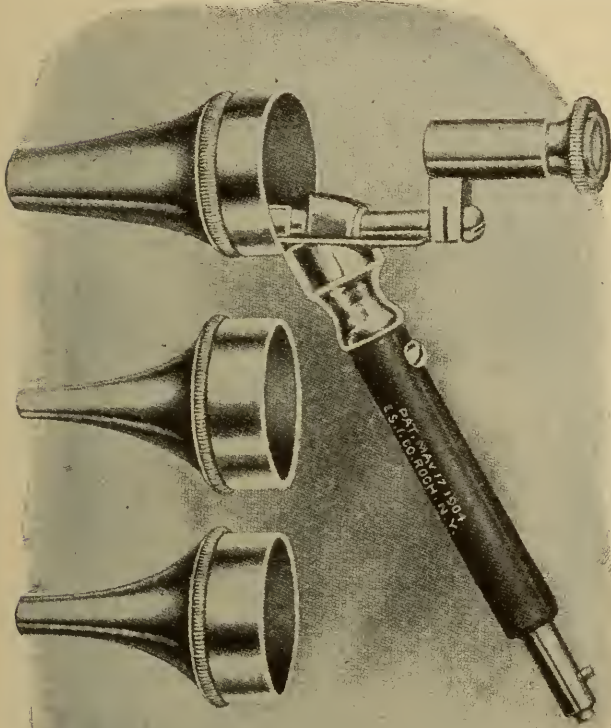
## SPECULUMS

C-1534	Bonafont's, bivalve.....	\$2.00
C-1535	Boucheron's, set of four, aluminum, \$1.50; in case.....	1.75
C-1535A	Boucheron's, set of four, plated, \$1.50; in case.....	1.75
C-1540	Gruber's set of 3, plated, \$1.20; in case, \$1.45; silver, \$4.50; in case....	4.75
C-1541	Gruber's, set of 4, hard rubber, .75; in case.....	1.00
C-1545	Kramer's, bivalve, 4 sizes, brass, nickel plated.....	1.35
C-1546	Kramer's, all steel, with set screw.....	1.75
C-1560	Toynbee's, set of 3, hard rubber, .70; in case.....	.95
*C-1561	Toynbee's, set of 3, plated, \$1.20; in case.....	1.45
*C-1562	Toynbee's, set of 3, silver, \$4.50; in case.....	4.75
C-1565	Wild's, set of 3, hard rubber, .70; in case.....	.95
C-1565A	Wild's, set of 3, plated, \$1.00; in case.....	1.25
C-1565B	Wild's, set of 3, silver, \$3.50; in case.....	3.75



## EAR INSTRUMENTS

THE ELECTRO SURGICAL INST. CO.'S (ROCHESTER, N. Y.) ELECTRIC  
AURISCOPES



**C-1567. THE E. S. I. CO. AURI-  
SCOPE, STYLE B**

This improved model has sufficient space between the speculum and the magnifier for the convenient introduction of instruments, applicators, etc. The handle placed at an oblique angle allows great freedom of movement. The lamp is small, is so placed as to take up practically no available working space, and being lens-tipped, throws condensed illumination directly on the drum-head. It has been found especially valuable for paracentesis and similar operative work, one of its great advantages being that it can be used with the patient in any position, thus making it invaluable for bedside work.

When so desired this auriscope is furnished without the handle and with the cord connection attached directly to the instrument.

Price, complete, with 3 specula. \$6.00

Price, form without handle, complete as above ..... 6.00

Price, additional specula, each.. .75

**C-1566. THE E. S. I. CO. PNEUMATIC AURISCOPE**

Two windows are now furnished with this instrument, one air-tight with large lens for diagnostic purposes and massage, the other consisting of an open ring with a small lens attached at one point on its internal surface, leaving almost the whole lumen free for operation, with magnified image through the small lens. The ring turns easily in the auriscope barrel so that the small lens may be brought into any position around the periphery without shifting the auriscope, a feature possessed by no other instrument of this class and of the greatest possible value in keeping the lens out of the operator's way. This auriscope has been found especially useful for bedside work and for the examination of children. When so desired the auriscope is furnished without the handle. In this form the cord connection is on the instrument proper, and when preferred can be attached directly to our tungsten battery, the latter forming a handle.

The lamp may be lighted with battery, socket current controller, wall plate or transformer.

Price, complete, with two specula, two lens windows and bulb... \$8.00

Price, form without handle, complete as above ..... 8.00

Price, additional specula, each ..... .75



## EAR INSTRUMENTS



C-1570



C-1580



C-1575



C-1585



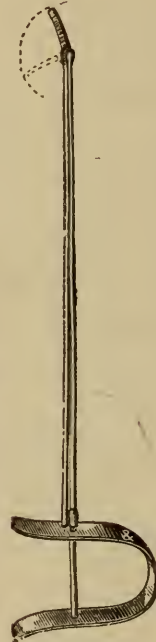
C-1600



C-1605



C-1610



C-1695



C-1602-3



C-1616



C-1589



C-1588



C-1675



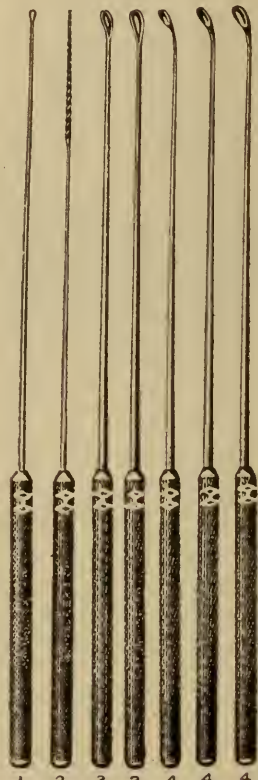
C-1640



C-1645



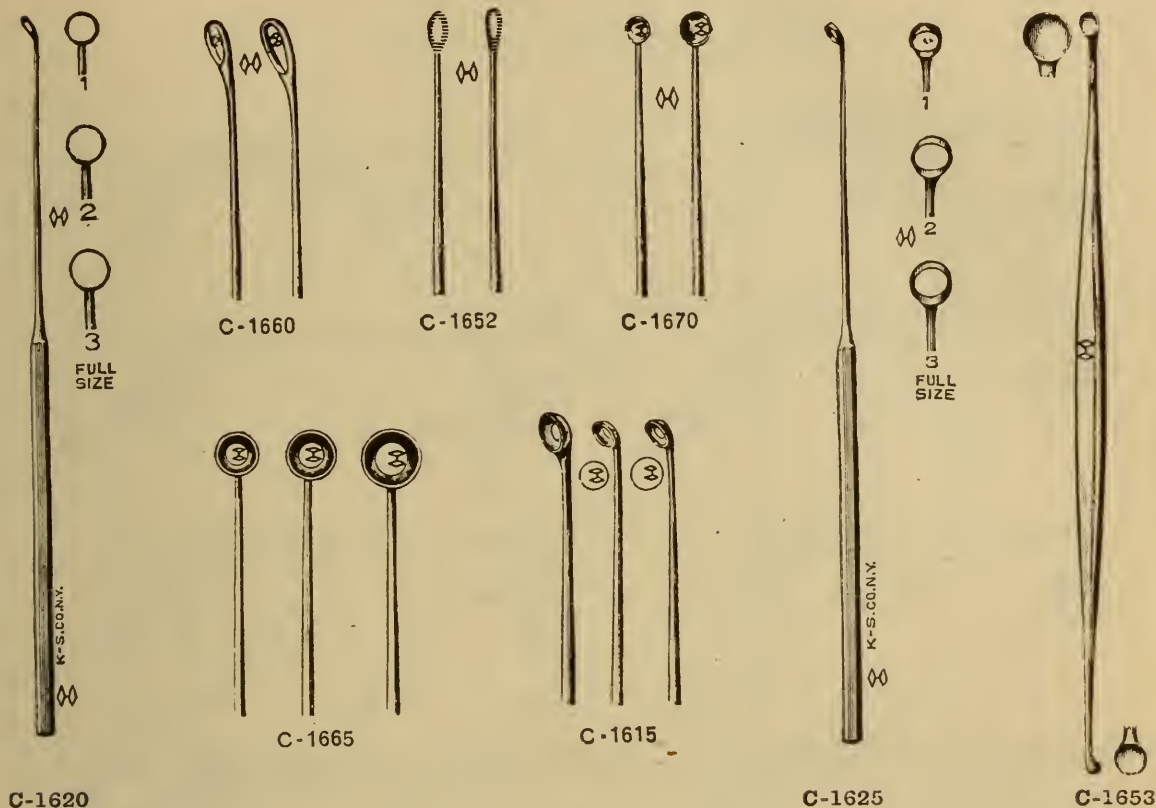
C-1650



C-1690



## EAR INSTRUMENTS



## APPLICATORS

C-1570	Andrews', aluminum, 3 sizes, each.....	\$0.20
C-1575	Brown's, steel, aluminum handle, each.....	.25
C-1580	Hotz's .....	.50
C-1585	Ivan's, steel.....	.25
*C-1586	Yankauer's, graduated handle, for wire applicators	1.25
C-1587	Yankauer's, spiral wire applicators, eustachian, 1 doz. in glass tube.....	.90

## PACKERS

C-1588	Allport's, gauze.....	1.00
C-1589	Pierce's, gauze.....	.75

## PROBES

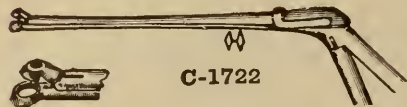
C-1600	Buck's, fine, silver.....	.60
C-1602	Fish's, silver, with handle.....	.90
C-1603	Fish's, silver, plain .....	.60
C-1605	Hotz's, fine, silver.....	.60
C-1610	Plain, bayonet shaped, plated, .75; silver.....	1.00
*C-1612	Plain, straight.....	.50
*C-1613	Straight, graduated.....	.65
*C-1614	Weaver's, very delicate, silver.....	.75
C-1616	Yankauer's .....	1.50

## CURETTES

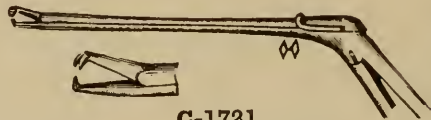
C-1615	Bishop's, sharp, 3 sizes, each.....	1.25
C-1620	Buck's, dull, 3 sizes, each.....	.60
C-1625	Buck's, sharp, 3 sizes, each.....	.65
*C-1628	Delstanche's, sharp, angular.....	1.85
*C-1635	Fenestrated, sharp, 2 sizes, each.....	1.00
C-1640	Gross', with hook.....	.45
C-1645	Gross', with spud.....	.45
C-1650	Gross', fenestrated, with hook.....	.60
C-1652	Hartman's, serrated, 2 sizes, each.....	.80
C-1653	Jansen's, double ended.....	1.65
C-1660	Oval, sharp, 2 sizes.....	1.00
C-1665	Politzer's, sharp, 3 sizes, each.....	1.00
C-1670	Round, sharp, spoon shape, 2 sizes, each.....	1.00
C-1674	Sexton's, double.....	1.25
C-1675	Speir's, spiral.....	.90
C-1678	Yankauer's, eustachian or salpingeal, 3 sizes, each	2.50
C-1690	Hotz's, set of 5 curettes, 1 applicator and 1 probe	6.50
C-1695	Quire's, foreign body instrument.....	1.50



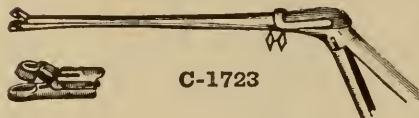
EAR INSTRUMENTS



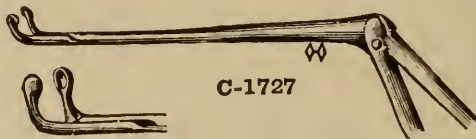
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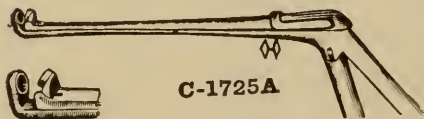
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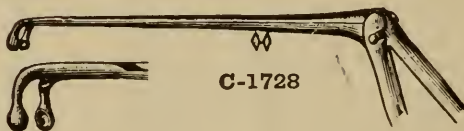
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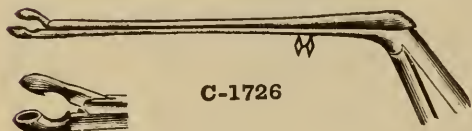
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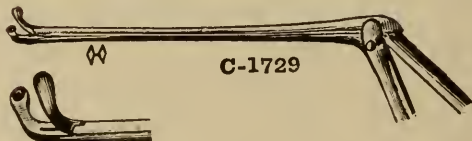
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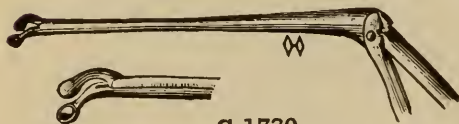
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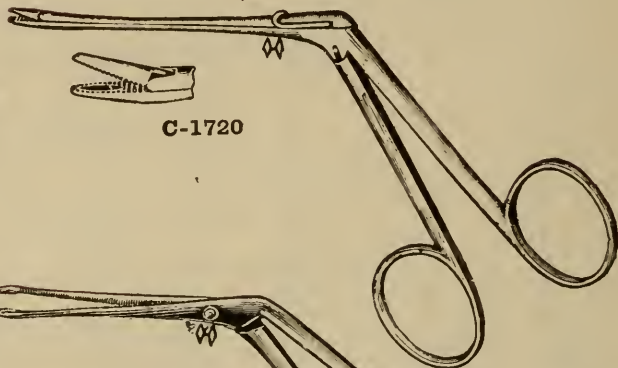
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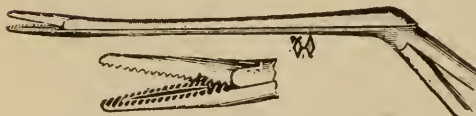
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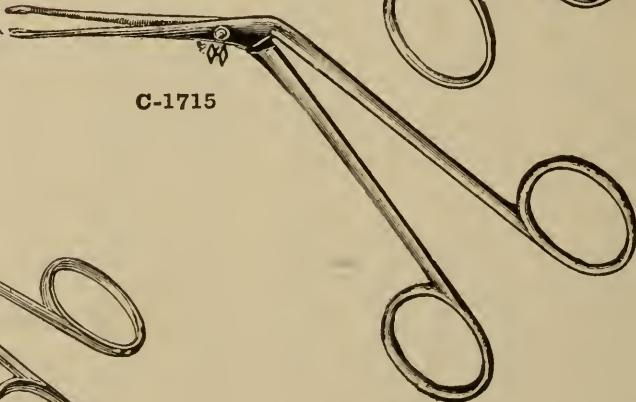
C-1730



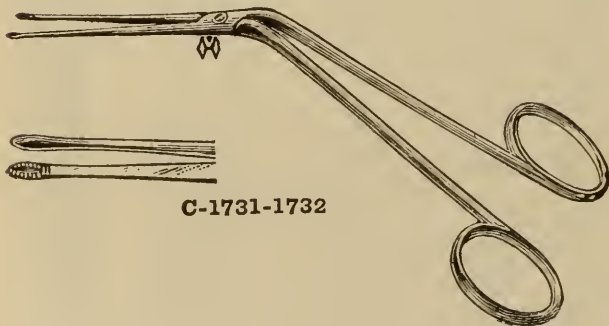
C-1720



C-1745



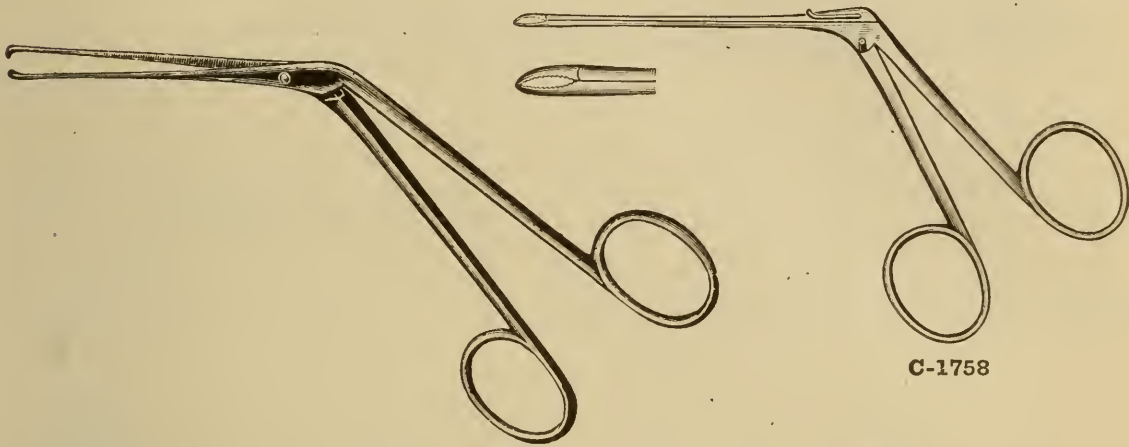
C-1715



C-1731-1732

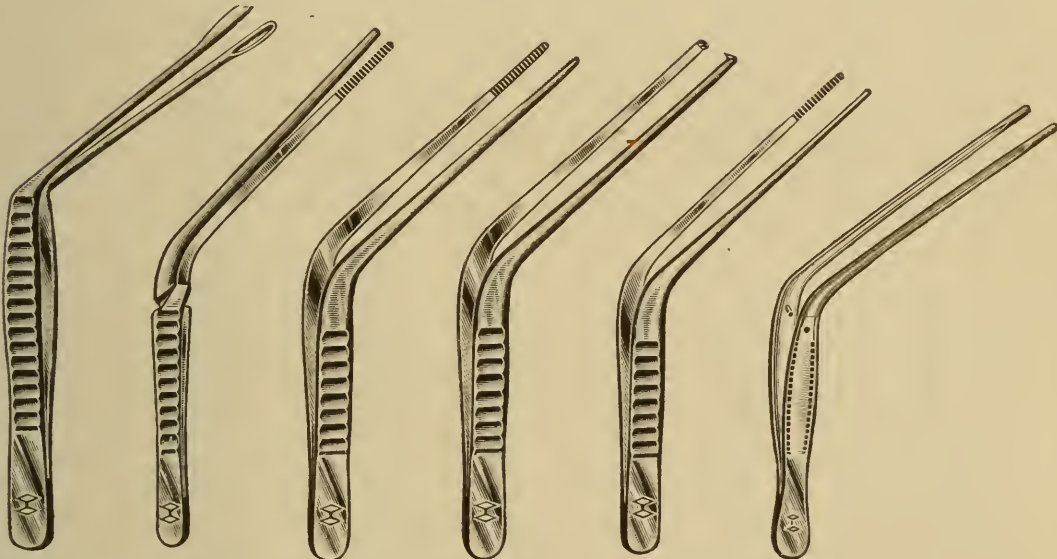


EAR INSTRUMENTS



C-1755

C-1758



C-1750

C-1770

C-1760

C-1765

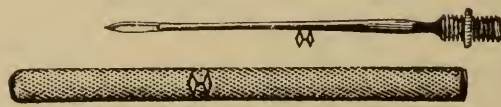
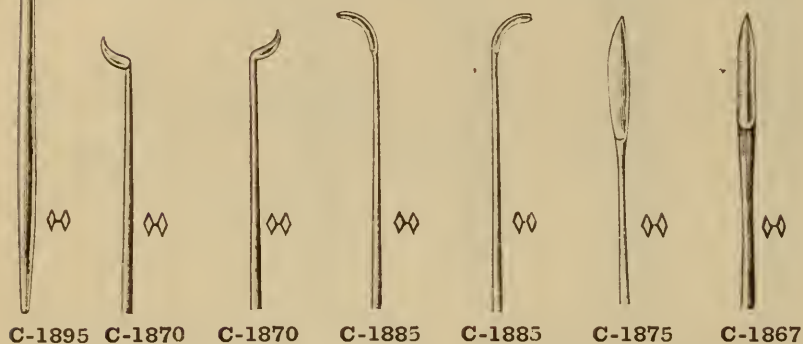
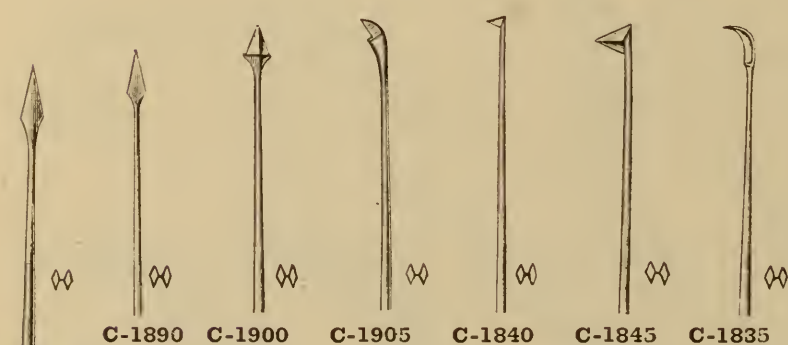
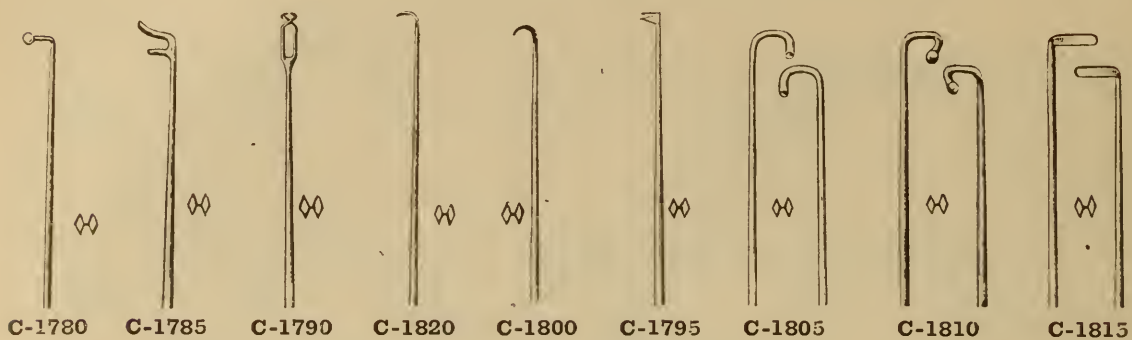
C-1709

C-1708

EAR FORCEPS

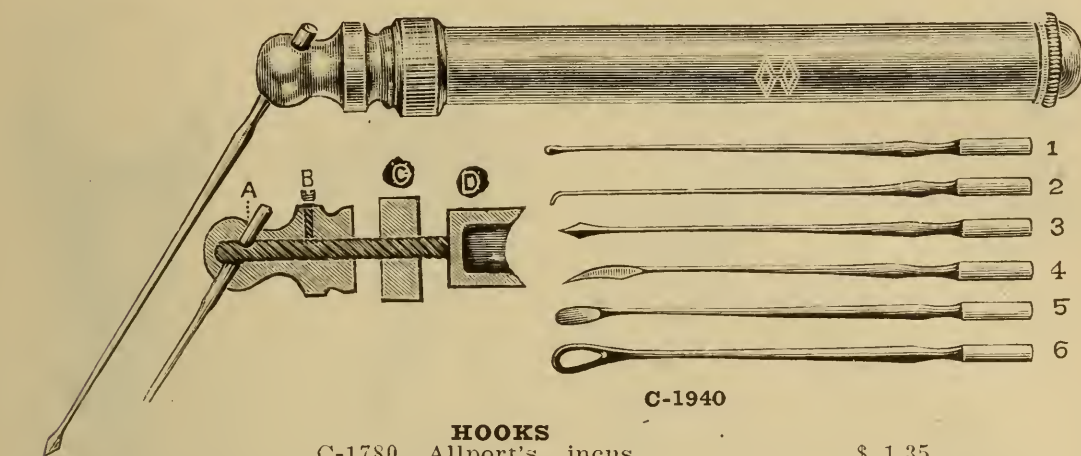
C-1708	Amberg's, very delicate, one side concave.....	\$1.25
C-1709	Blake's, very delicate, serrated points.....	.90
C-1715	Hartman's, plain .....	1.35
C-1720	Hartman's, alligator jaw, delicate, serrated.....	3.50
C-1721	Hartman's, alligator jaw, delicate, mouse tooth.....	4.00
C-1722	Hartman's, alligator jaw, round, cutting, straight.....	7.25
C-1723	Hartman's, alligator jaw, oval, cutting, straight.....	7.25
*C-1724	Hartman's, alligator jaw, oval, cutting, right.....	7.25
*C-1725	Hartman's, alligator jaw, oval, cutting, left.....	7.25
C-1725A	Hartman-Cittelli's, alligator jaw, spoon, curved upward.....	7.50
C-1726	Hartman-Herzfeld's, alligator jaw, spoon, straight .....	6.50
C-1727	Hartman-Herzfeld's, alligator jaw, spoon, curved up .....	6.50
C-1728	Hartman-Herzfeld's, alligator jaw, spoon, curved down .....	6.50
C-1729	Hartman-Herzfeld's, alligator jaw, spoon, curved to right .....	6.50
C-1730	Hartman-Herzfeld's, alligator jaw, spoon, curved to left .....	6.50
C-1731	Haslam's, delicate, bent on edge.....	1.50
C-1732	Haslam's, delicate, bent on flat.....	1.60
*C-1735	Lucae's, bayonet shape.....	1.25
*C-1740	McKay's, cross action.....	3.50
C-1745	Noyes', alligator jaw, serrated, large.....	2.50
*C-1748	Noyes', alligator jaw, serrated with mouse tooth.....	2.85
C-1750	Politzer's .....	1.50
C-1755	Pomeroy's .....	1.85
C-1758	Weingartner's .....	6.50
C-1760	Wild's, serrated points.....	1.00
C-1765	Wild's, mouse tooth points.....	.90
C-1770	Wild's, cross action, serrated points.....	1.25
*C-1775	Wild's, cross action, mouse tooth points.....	1.40

## EAR INSTRUMENTS





## EAR INSTRUMENTS



## HOOKS

C-1780	Allport's, incus.....	\$ 1.35
C-1785	Bishop's, ossicle vibrator.....	1.25
C-1790	Deville's, double screw.....	1.25
C-1795	Hartman's, double.....	1.25
C-1800	Hotz's, sharp.....	1.25
C-1805	Incus, right and left, each.....	1.25
C-1810	Incus, probe point, right and left, each.....	1.25
C-1815	Lever, angular, right and left, each.....	1.25
C-1820	Tenaculum.....	1.25

## KNIVES

C-1825	Bistoury, curved, blunt.....	\$ 1.25
C-1830	Bistoury, curved, double edge, blunt.....	1.25
C-1835	Bistoury, full curved, delicate.....	1.25
C-1840	Buck's, furuncle.....	1.25
C-1845	Buck's, furuncle, large.....	1.25
C-1850	Buck's, curved, sharp.....	1.10
C-1855	Buck's, curved, sharp, delicate.....	1.25
C-1860	Buck's, curved, blunt.....	1.25
C-1865	Buck's, myringotome.....	1.25
C-1867	Double edged.....	1.25
C-1870	Hartman's, right and left, each.....	1.25
C-1872	Hartman's, furuncle.....	1.50
C-1871	Hayden's, angular, double edge.....	1.25
C-1873	Royce's, straight, reversible handle.....	1.50
C-1874	Royce's, curved, reversible handle.....	1.50
C-1875	Sexton's, sharp.....	1.25
C-1880	Sexton's, blunt.....	1.25
C-1885	Schwartz's, tenotomes, right and left, each....	1.50

Fig. A shows the style of metal handle used with our ear instruments.

## PERFORATORS

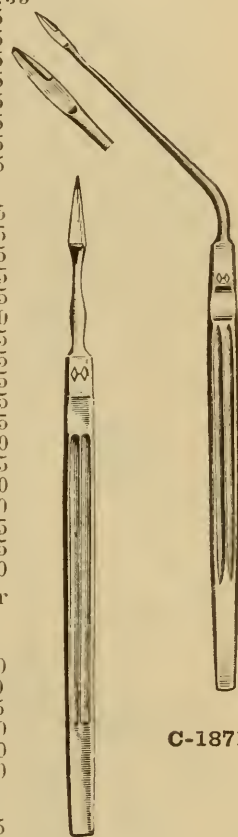
C-1887	Haslam's, universal handle for ear instruments..	\$ 2.00
C-1890	Lucae's, bayonet shape.....	1.10
C-1895	Politzer's, angular.....	1.35
C-1900	Troeltsch's, angular.....	1.10
C-1902	Williams'.....	2.00
C-1905	Perforator, angular, with stop.....	1.10

## SNARE CANULAE

*C-1910	German silver, to fit universal handle.....	\$ 0.85
C-1912	Ear instruments C-1780 to C-1905, with shanks to fit universal handle C-1887, each.....	.85

## EAR SETS

*C-1915	Buck's, of 2 sharp curettes, 1 blunt curette, 1 perforator, 1 probe, 1 myringotome, 2 cotton carriers, in leather covered case.....	8.50
*C-1920	Burkhardt-Merian's, of 1 universal handle, 2 tympanum perforators, 1 fine double hook, 2 sickle-shaped knives, 1 scoop (sharp), 1 hook (fine), 1 knife (probe pointed), 1 curette (sharp), 1 curette (toothed), 1 probe (measuring), 1 probe (buttoned).....	\$13.25
*C-1930	Dench's, set for middle ear, of 1 curette (straight), 1 double edged knife (curved on flat), 1 knife (straight, blunt), 2 knives (straight, sharp), 2 knives (angular), 2 incus hooks (right and left), 2 curettes (angular, right and left); instruments with solid handles and flexible shanks in leather covered case.....	13.25
*C-1935	Hartman's, small set, of 1 universal handle, 1 knife (curved, sharp pointed), 1 knife (curved, probe), 1 sharp hook, 1 sharp curette, 1 tympanum perforator, 1 myringotome, 1 sharp scoop; in leather covered case.....	7.50
*C-1940	Haslam's, pocket emergency set of 1 dull curette, 1 sharp curette, 1 curved sharp bistoury, 1 perforator, 1 blunt hook and 1 silver probe, with hollow universal handle. The instruments are carried in handle when not in use.....	4.50



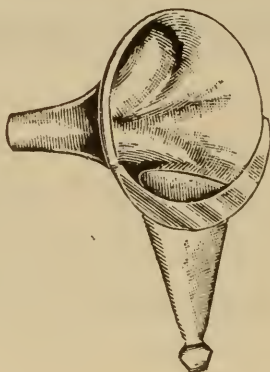
C-1871

C-1872

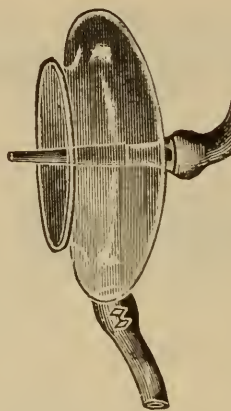
## EAR INSTRUMENTS



C-2005



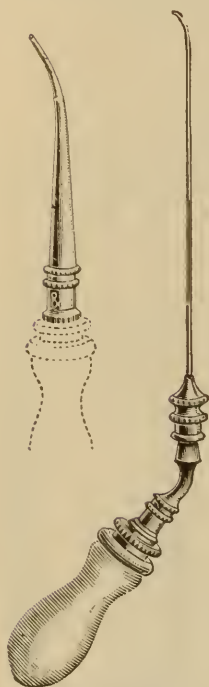
C-1985



C-1998



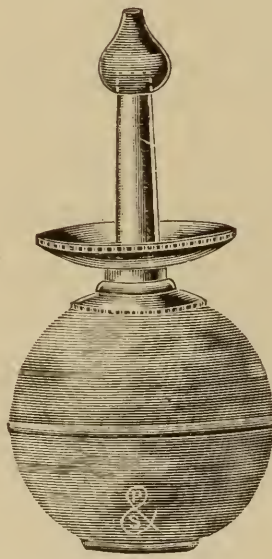
C-1990



C-2050-2055



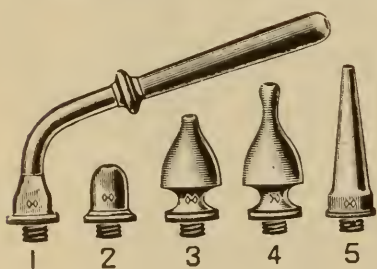
C-2025



C-2020



C-2040



1

2

3

4

5



11



18



19



6



7



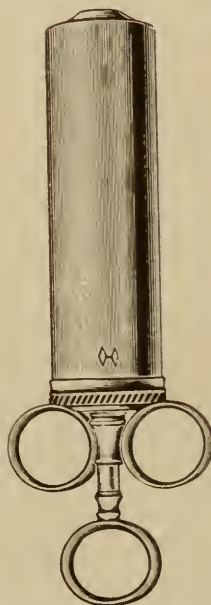
8



9



10



12



14



13



15



16

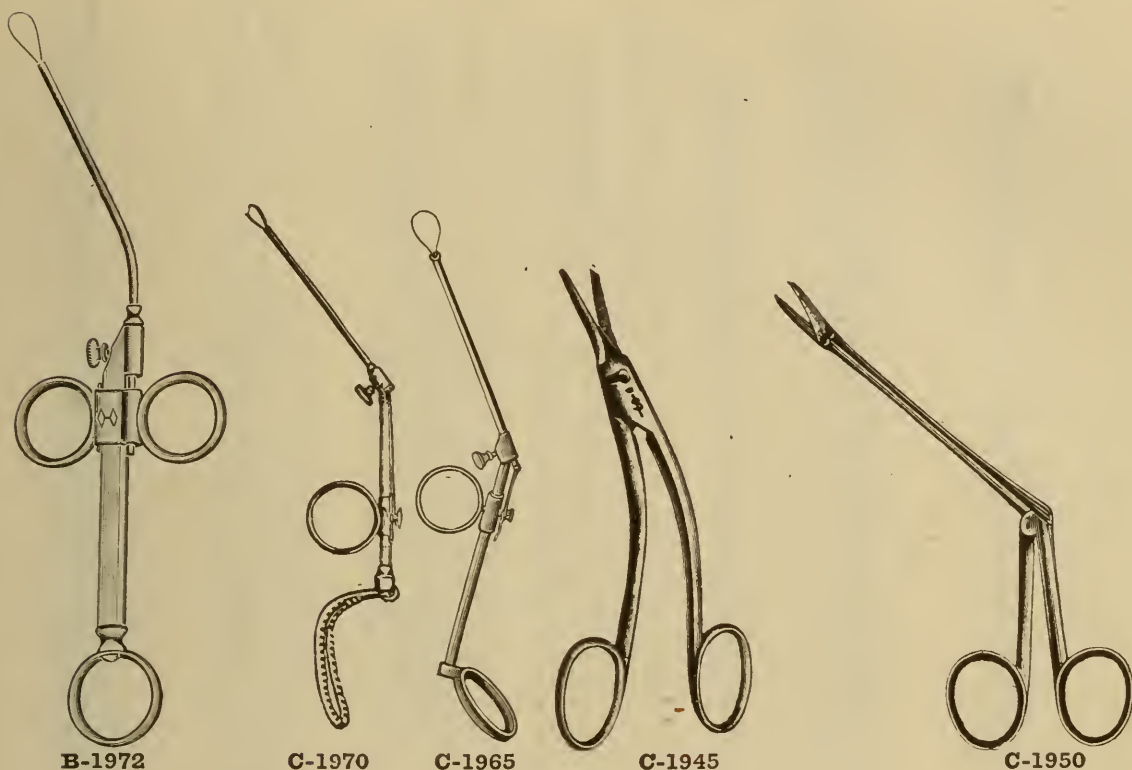


17

C-2026-2027



## EAR INSTRUMENTS



## SCISSORS

C-1945	Gruber's .....	\$2.00
C-1950	Noyes .....	6.00

## SNARES

*C-1965	Blake's original.....	\$2.50
C-1970	Blake's, improved.....	2.25
C-1972	Krause's extra small, for ear.....	3.50

## SPOUTS

C-1985	Beck's, ear drain.....	\$2.25
C-1990	Hosmer's, improved.....	.75
*C-1995	Hosmer's, with spring.....	1.50
*C-1996	Plain .....	.40

## DOUCHES

C-1998	Fowler's, glass.....	\$1.00
*C-2000	Hewitt's, for middle ear.....	2.00
C-2005	Lucae's .....	.30

## SYRINGES, EXTERNAL

C-2020	Allport's .....	\$2.25
C-2025	Hard Rubber, ½ oz., \$1.00; 1 oz., \$1.25; 2 oz.....	1.50
C-2026	Haslam's, Perfection, all metal, with metal piston, 1 oz., \$2.75; 2 oz., \$3.30; 3 oz., \$4.00; 4 oz.....	4.75
C-2027	Haslam's, Perfection, metal barrel, leather piston, 1 oz., \$2.25; 2 oz., \$2.75; 3 oz., \$3.25; 4 oz.....	3.75

NOTE.—Prices are for syringe and one tip only. Ear tips are Nos. 2, 3 and 4. For prices on other tips, see page 86.

*C-2035	Pomeroy's, leather packing, 2 oz., \$2.00; 4 oz.....	\$3.50
C-2040	Ulcer and Ear, soft rubber .....	.45
*C-2045	Ulcer and Ear, soft rubber, 3 oz.....	.75
*C-2047	Ulcer and Ear, soft rubber, with shield.....	.65

## SYRINGES, MIDDLE EAR

*C-5052	Blake's, inner ear.....	\$3.75
C-2050	Colburn's, with middle ear tip only.....	1.40
C-2055	Colburn's, with middle ear and lachrymal tip.....	1.75

## MASTOID INSTRUMENTS



C-2075



C-2125



C-2067



C-2092



C-2069



C-2096



C-2068



C-2094



C-2072



C-2122



C-2093



C-2066



C-2091



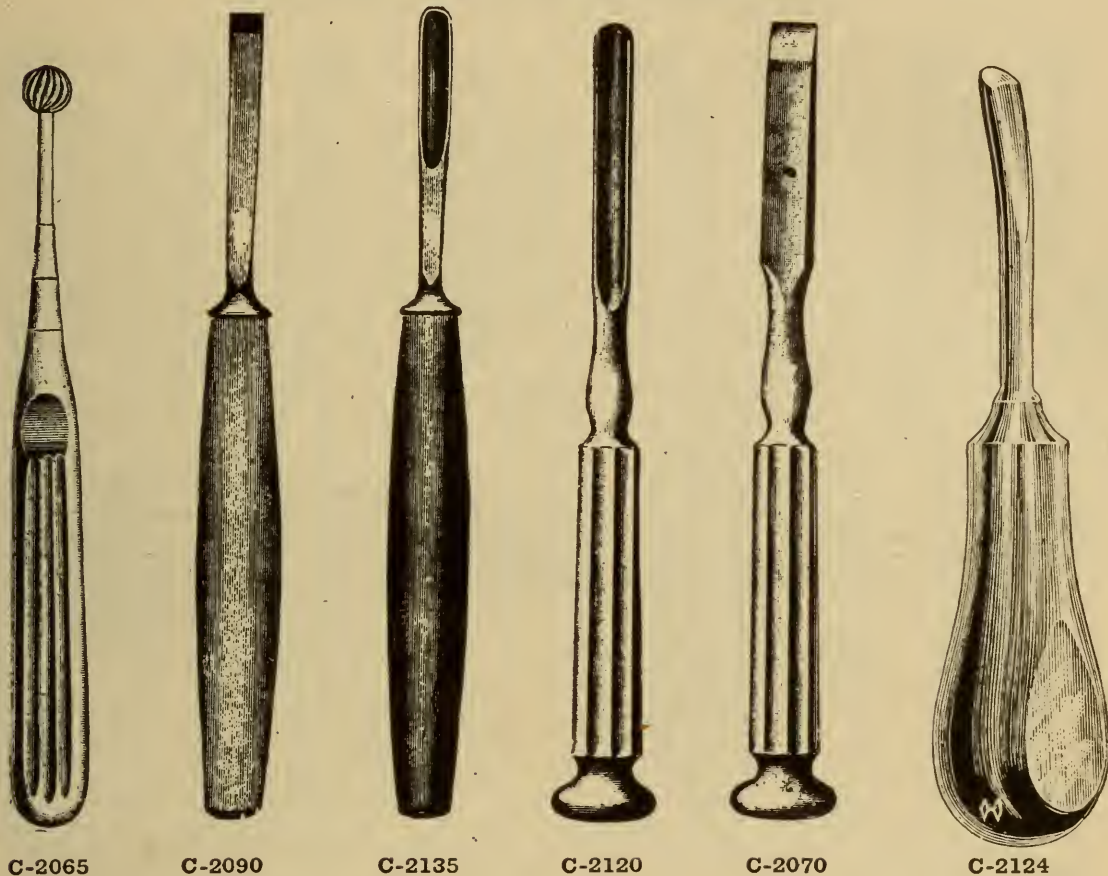
C-2064

FULL  
SIZEFULL  
SIZE

C-2060



## MASTOID INSTRUMENTS



## BURRS, CHISELS AND GOUGES

## Burrs

C-2060	Allport's, eustachian.....	\$2.75
*C-2065	Ballenger's, mastoid, 4 sizes, each.....	3.25
C-2064	Stucky's, eustachian.....	2.75

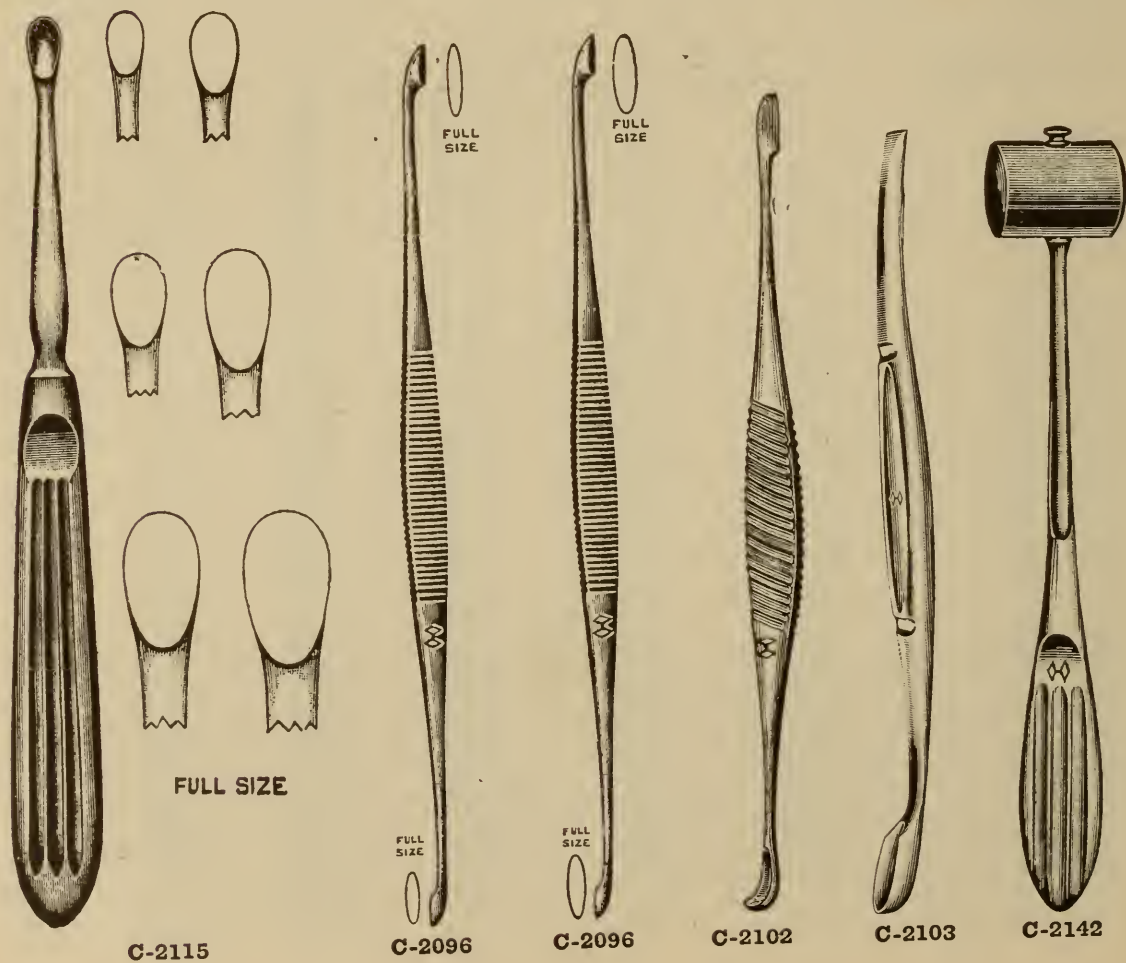
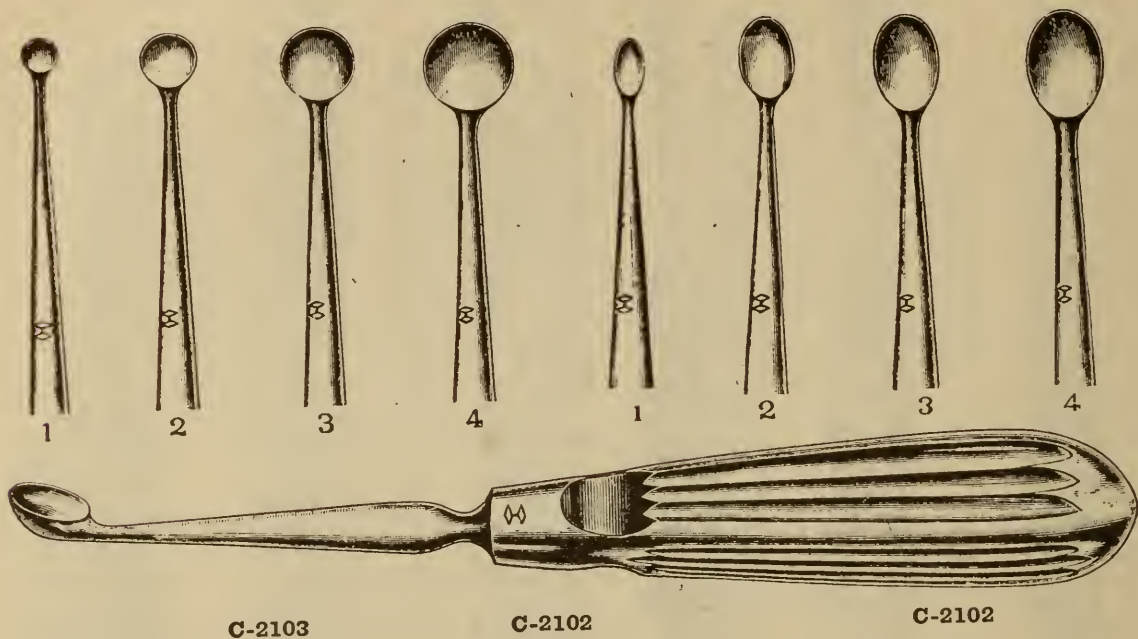
## Chisels

C-2066	Alexander's, $6\frac{3}{4}$ inches long, 6 sizes, each.....	\$1.85
C-2067	Andrew's, 6 inches long, 2 sizes, each.....	1.25
C-2068	Bishop's, $6\frac{3}{4}$ inches long, 3 sizes, each.....	1.00
C-2069	Down's, 3 sizes, each.....	1.10
C-2070	Hajek's, 4 sizes, 3, 6, 9 and 12 mm., each.....	2.50
C-2072	Haslam's, 4 sizes, 3, 5, 7 and 9 mm., each.....	1.00
C-2075	Schwartz's, 4 sizes, each.....	.60
*C-2085	Stacke's, bayonet shape, 1 size.....	1.10
C-2090	Whiting's, 6 sizes, each.....	2.40

## Gouges

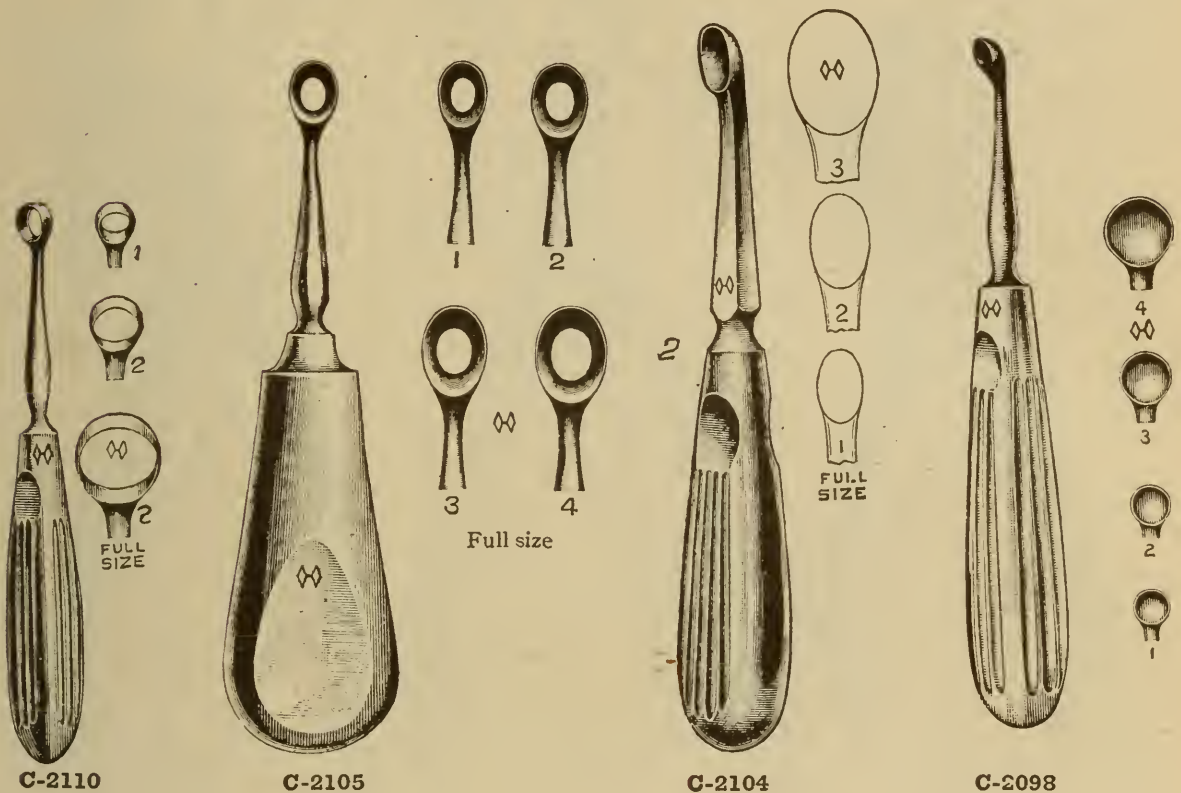
C-2091	Alexander's, $6\frac{3}{4}$ inches long, 6 sizes, each.....	\$2.25
C-2093	Allport's, $6\frac{3}{4}$ inches long, 6 sizes, each.....	3.00
C-2092	Andrew's, 6 inches long, 2 sizes, each.....	1.50
C-2094	Bishop's, 3 sizes, each.....	1.25
C-2096	Down's, 3 sizes, each.....	1.35
C-2120	Hajek's, 4 sizes, 3, 6, 9 and 12 mm., each.....	2.75
C-2122	Haslam's, 4 sizes, 3, 5, 7 and 9 mm., each.....	1.25
C-2124	Randall's, with weighted handle.....	2.25
C-2125	Schwartz's, 4 sizes, each.....	.75
*C-2130	Stacke's, curved, 3 sizes, each.....	1.25
C-2135	Whiting's, 6 sizes, each.....	2.75

# MASTOID INSTRUMENTS





## MASTOID INSTRUMENTS



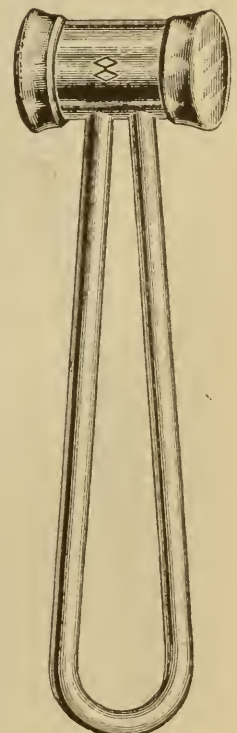
## CURETTES AND MALLETS

## Curettes

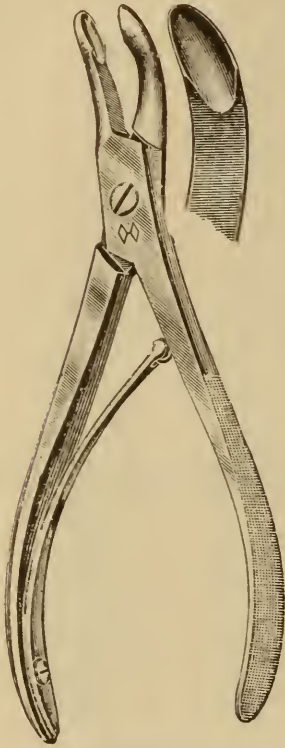
C-2096	Barth's, double end, 2 sizes, each.....	\$2.25
C-2098	Buck's, round, 4 sizes, each.....	1.75
*C-2095	Brun's, round, 3 sizes, each.....	1.75
C-2102	Double end, mastoid.....	2.00
C-2103	Ferguson's, with pereosteotome.....	1.50
C-2104	Green's, 3 sizes, each.....	2.25
*C-2100	Luer's, round, fenestrated, 3 sizes (see B-935), each.....	1.90
C-2102	Mastoid, oval, 4 sizes, each.....	1.30
C-2103	Mastoid, round, 4 sizes, each.....	1.80
C-2105	McKernon's, fenestrated, 4 sizes, each....	2.75
C-2110	Politzer's, round, fenestrated.....	1.85
C-2113	Spratt's, 8 sizes, each.....	2.75
C-2115	Whiting's, 6 sizes, each.....	2.35

## Mallets

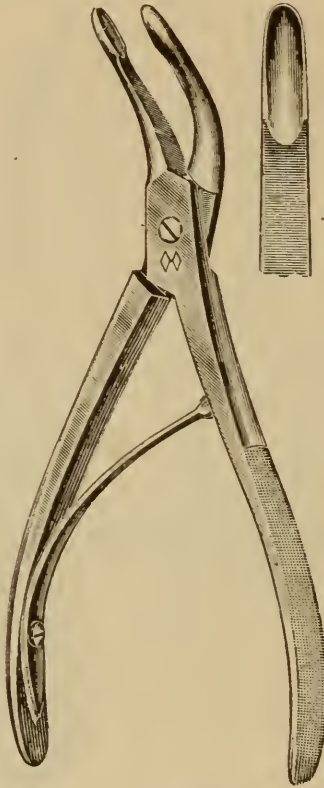
*C-2138	Fibre, with metal handle, boilable.....	\$3.60
C-2139	Forwood's, bronze.....	1.50
*C-2140	Hajek's .....	3.00
C-2142	Lead Mallet, small, flat faced.....	1.80
C-2145	Morgan's, bronze.....	2.00
*C-2150	Plain, lead filled.....	2.00
C-2155	Rawhide, 2 sizes, small, \$1.00; large.....	1.50



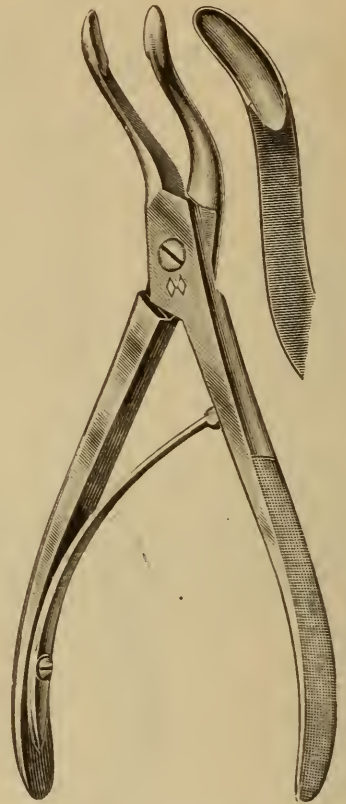
# MASTOID INSTRUMENTS



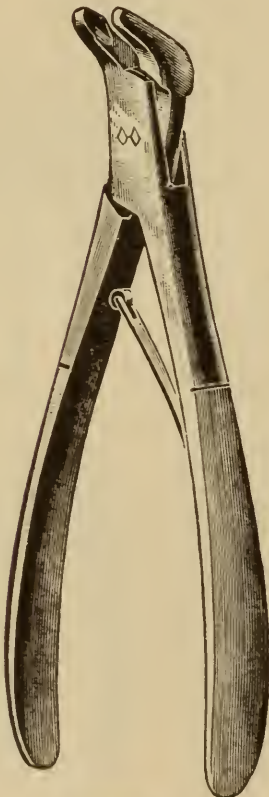
C-2180



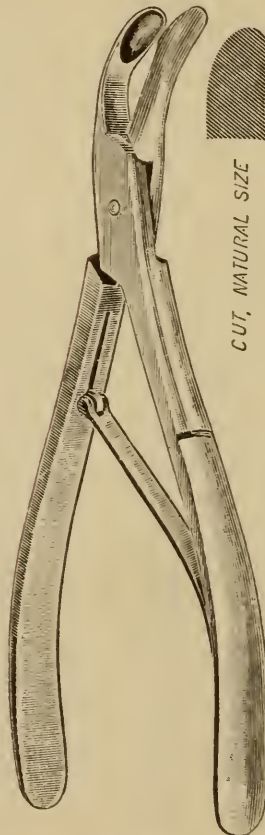
C-2205



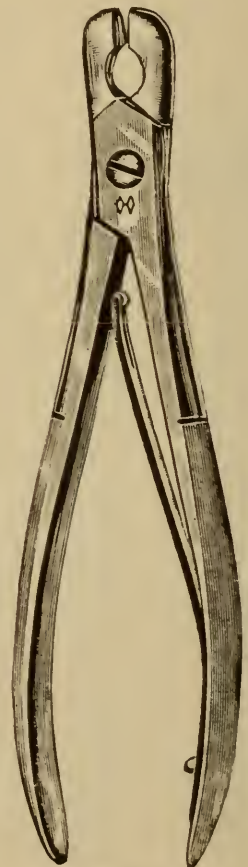
C-2195



C-2206



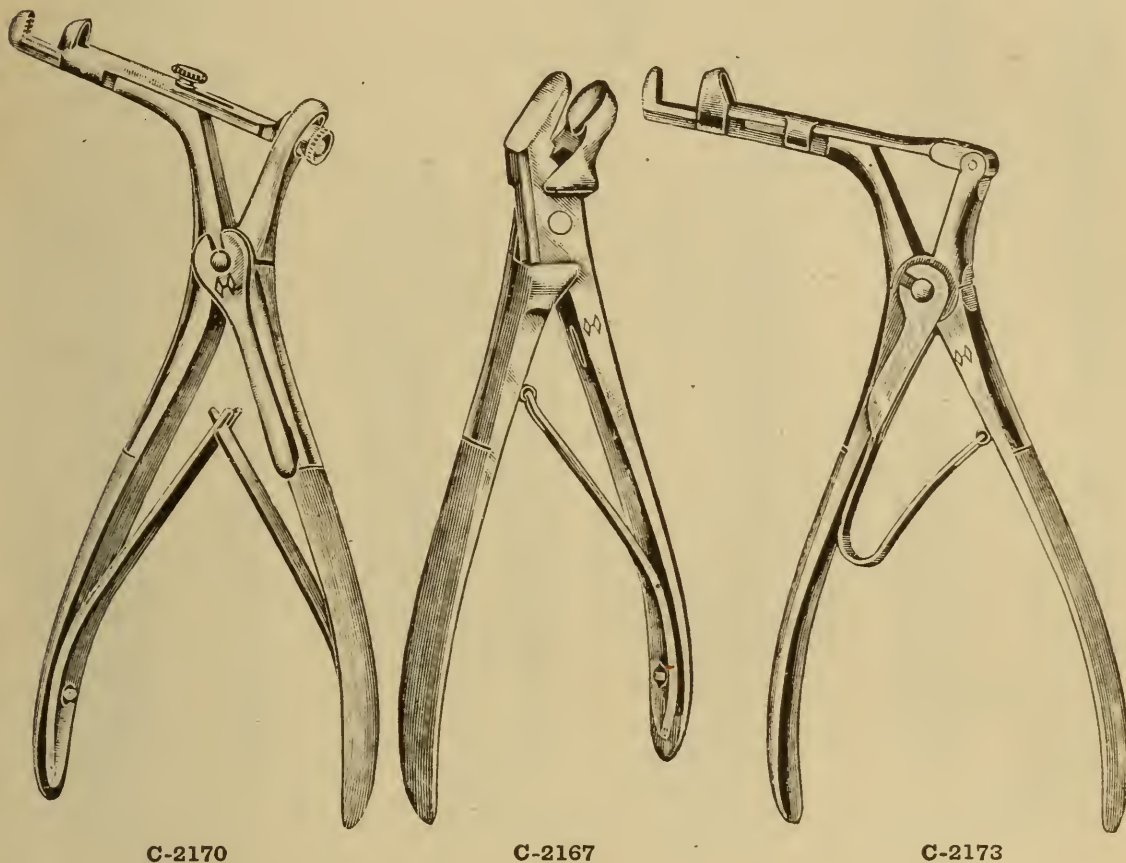
C-2165



C-2210



## MASTOID INSTRUMENTS



C-2170

C-2167

C-2173

## MASTOID BONE GOUGING FORCEPS

C-2165	Bane's .....	\$ 4.50
C-2167	Barnhill's .....	6.00
C-2170	Citteli's .....	10.00
*C-2171	Citteli's, heavy.....	15.00
C-2173	Cozzolini-Allport's, latest model.....	12.50
*C-2175	DeVilbiss' .....	6.00
C-2180	Hartmann's, curved.....	3.50
*C-2187	Huber's, with 1 cutter and universal handle (for illustration see B-1124)	15.00
*C-2187	Huber's, with 1 cutter and universal handle (for illustration see B-1124) ..	15.00
C-2195	Jansen's .....	4.75
*C-2200	Kerrison's, 3 sizes, each.....	10.25
*C-2202	Lombard's .....	7.75
C-2205	Lucae's .....	4.75
C-2206	Pierce's .....	5.25
C-2210	Whiting's .....	4.50
*C-2212	Zaufal's, curved.....	4.75
*C-2214	Zaufal's, straight.....	4.50

NOTE.—For other styles of rongeur forceps, see pages 146-149.

## MASTOID INSTRUMENTS



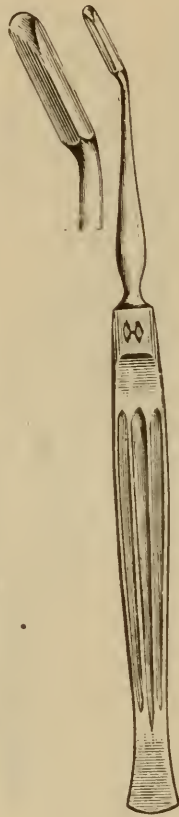
C-2225



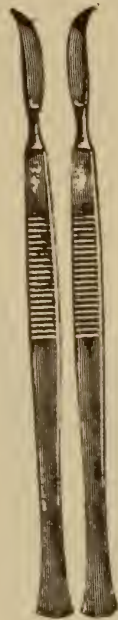
C-2230



C-2235



C-2242



C-2250



C-2215



C-2220



C-2260



C-2270



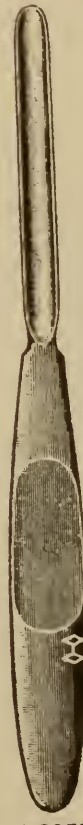
C-2275



C-2278



C-2277



C-2252



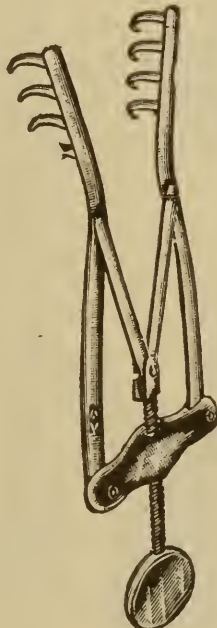
C-2255



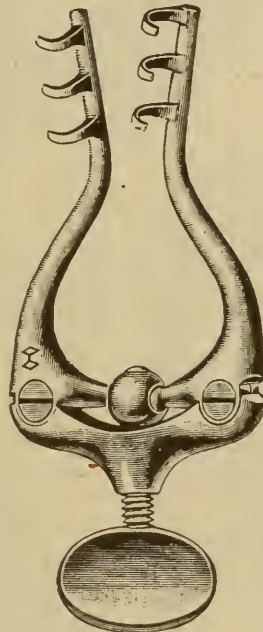
## MASTOID INSTRUMENTS



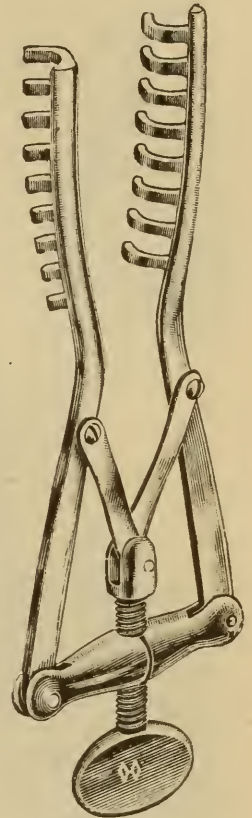
C-2308



C-2285



C-2310



C-2306

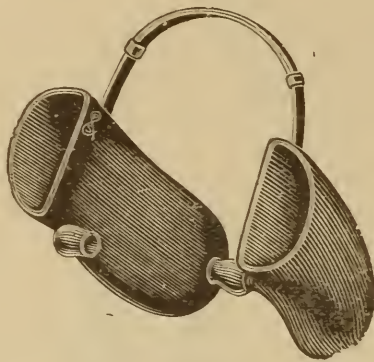
## KNIVES, RASPATORIES, RETRACTORS, ETC.

C-2215	Elevator, Stacke's.....	\$1.25
C-2220	Guard, Stacke's.....	1.00
C-2225	Knife, Allport's, convex edge.....	1.50
C-2230	Knife, Allport's, double edge.....	1.50
C-2235	Knife, Buck's .....	1.50
C-2242	Knife, Heath's, meatal flap.....	2.40
C-2250	Knife, Stacke's, right and left, each.....	1.75
C-2252	Pereostotome, Allport's .....	1.50
C-2255	Pereostotome, Andrews' .....	1.35
C-2260	Pereostotome, Ballenger's .....	1.75
*C-2265	Raspatory, Buck's .....	2.25
C-2270	Raspatory, Hartmann's, straight.....	1.50
C-2275	Raspatory, Hartmann's, convex .....	1.50
C-2277	Raspatory, Jansen's, right angled.....	1.75
C-2278	Raspatory, Jansen's .....	1.75
C-2280	Raspatory, Trautmann's .....	1.75
C-2285	Retractor, Allport's, steel, self-retaining.....	3.25
*C-2290	Retractor, Andrews', steel, self-retaining.....	5.00
C-2306	Retractor, Burch-Allport's, only one necessary for an operation.....	5.00
*C-2307	Retractor, Gifford's, small, with 3 prongs on each side.....	5.50
C-2308	Retractor, Gifford's, mastoid and jugular.....	5.75
C-2310	Retractor, Jansen's, new model, very powerful.....	4.50
*C-2312	Retractor, Jansen-Wagner's .....	6.00
*C-2315	Retractor, Malherbe's, self-retaining.....	5.50
*C-2318	Retractor, Vail's, small, for babies.....	5.00
*C-2320	Drainage Tube, Gruening's, curved, silver.....	.75
*C-2325	Drainage Tube, Knapp's, straight, silver.....	1.50
*C-2330	Cooling Coil, Leiter's, metal, for hot or cold water.....	1.50
*C-2335	Ice Bag, Bishop's, soft rubber.....	1.00
*C-2340	Ice Bag, Sprague's, soft rubber.....	1.50

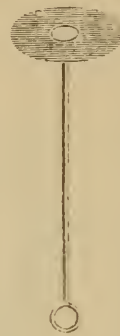
## HEARING INSTRUMENTS



C-2435



C-2360



C-2475



C-2380



C-2385



C-2445-2450



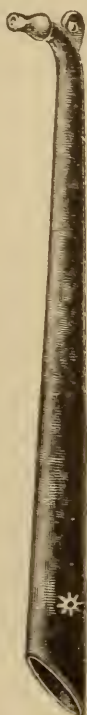
C-2440



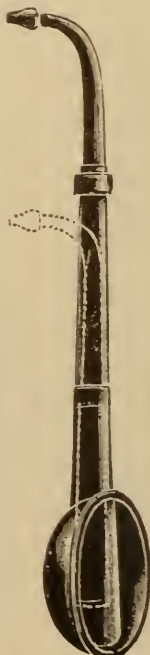
C-2390



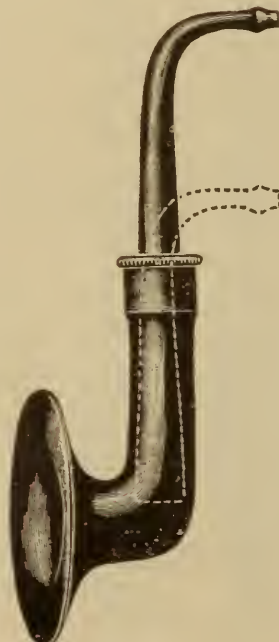
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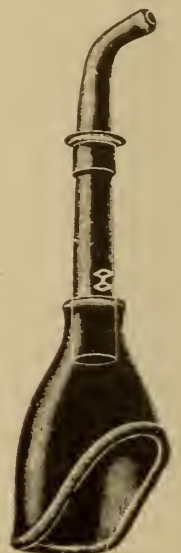
C-2418



C-2410



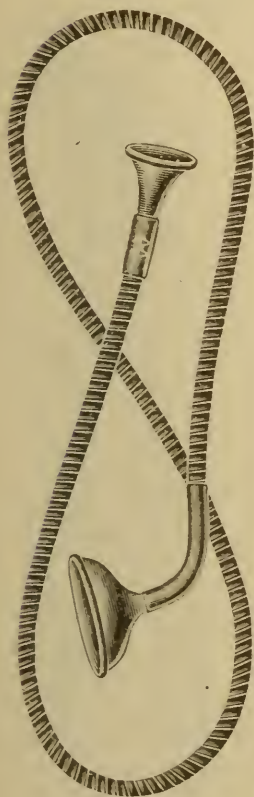
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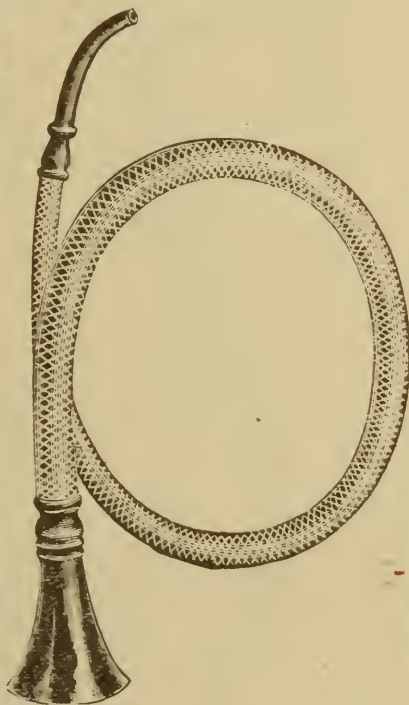
C-2400



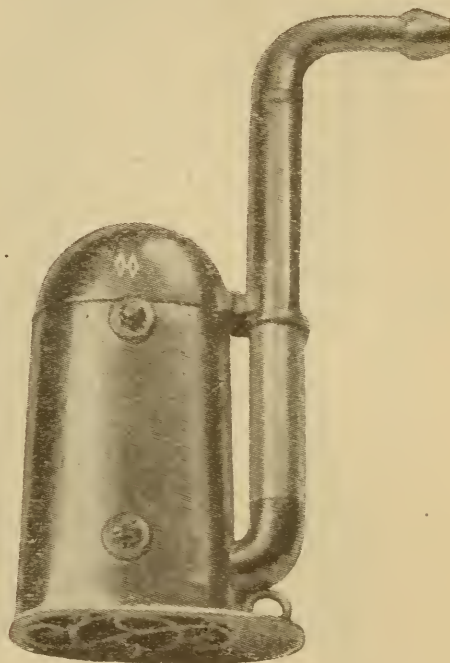
## HEARING INSTRUMENTS



C-2366



C-2375



C-2452-2454

## HEARING INSTRUMENTS

*C-2345	Apparitor Auris, silver, enameled flesh color.....	\$ 3.00
*C-2350	Audiphone, hard rubber, fan shape.....	6.00
*C-2355	Audiphone, hard rubber, fan shape, folding.....	8.50
C-2360	Auricles, leather covered.....	3.50
C-2365	Auricles, silk covered.....	5.50
*C-2370	Conversation Tube, cylindrical, cotton, \$2.00; silk.....	2.50
C-2375	Conversation Tube, conical, cotton, \$3.50; silk.....	4.00
C-2366	Conversation Tube, Gladding's, spiral metal tube.....	4.00
*C-2376	Cornets, Clayton's, celluloid, right and left, each.....	.75
C-2380	Cornets, silver, oval, single, \$1.25; per pair.....	2.50
C-2385	Cornets, silver, round, single, \$1.25; per pair.....	2.50
C-2390	Ear Trumpet, bugle shape, tin, japanned, 3 sizes, each.....	3.50
*C-2395	Ear Trumpet, telescopic, hard rubber, 1 part.....	2.75
C-2400	Ear Trumpet, telescopic, hard rubber, 2 parts.....	4.00
C-2405	Ear Trumpet, telescopic, hard rubber, 3 parts.....	3.75
C-2410	Ear Trumpet, telescopic, hard rubber, improved shape.....	6.50
C-2415	Ear Trumpet, telescopic, hard rubber, improved shape.....	6.50
C-2418	Hearing Horn, Clayton's, celluloid, fan shape.....	4.50
*C-2420	Hearing Horn, double dome.....	6.50
C-2430	Hearing Horn, Greene's, tin, japanned, short or long tube.....	2.50
C-2440	Hearing Horn, Haslam's "Little Giant," very powerful.....	3.75
C-2445	Hearing Horn, London, black finish, small, \$3; medium, \$3.50; large....	4.00
C-2450	Hearing Horn, London, nickel finish, small, \$3; medium, \$3.50; large....	4.00

Our London hearing horns are not the cheap instrument that generally passes under that name, but are correctly made with an idea of securing the greatest acoustic value.

C-2452	Hearing Horn, The "Sonor," 3x2x7/8 in., oxidized metal body.....	\$ 6.50
C-2453	Hearing Horn, The "Sonor," 3x2x1 1/2 in., oxidized metal body.....	8.50
C-2454	Hearing Horn, The "Sonor," 4 1/2 x 2 3/4 x 1 1/2, oxidized metal body.....	10.50

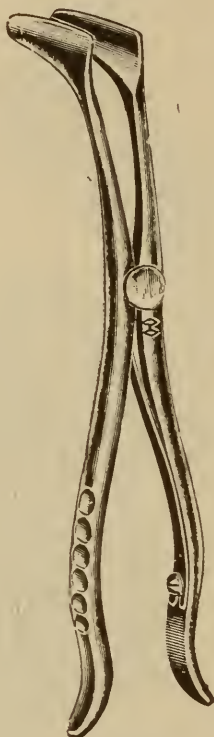
This hearing instrument has a leather cover or outside case, made to resemble a lady's purse and without in the slightest degree impairing its acoustic value. When in use the ear piece is pulled out and inserted into the ear. When closed it readily passes inspection as a purse of more than ordinary value.

*C-2455	Stetho-Clare, No. 1A, cylindrical, silk tube.....	\$ 7.00
*C-2460	Stetho-Clare, No. 1, conical, silk tube.....	8.00
*C-2465	Stetho-Clare, No. 3, with two conical silk tubes and bells.....	12.00
*C-2470	Stetho-Clare, No. 2, for distance.....	6.50
C-2475	Tympanum, Toynbee's artificial.....	.50

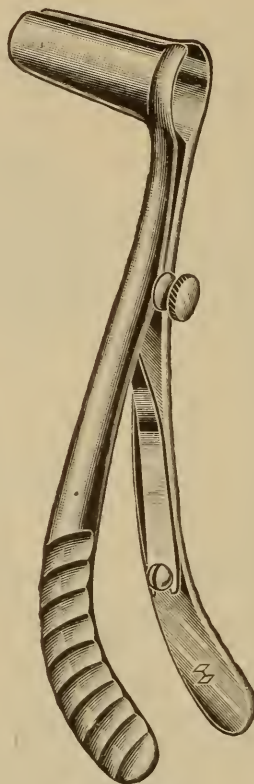
## NASAL INSTRUMENTS



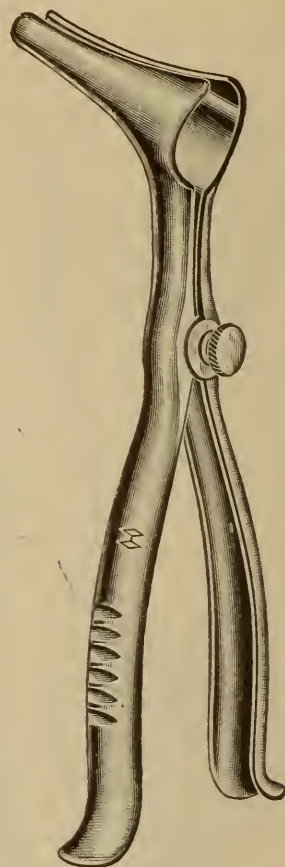
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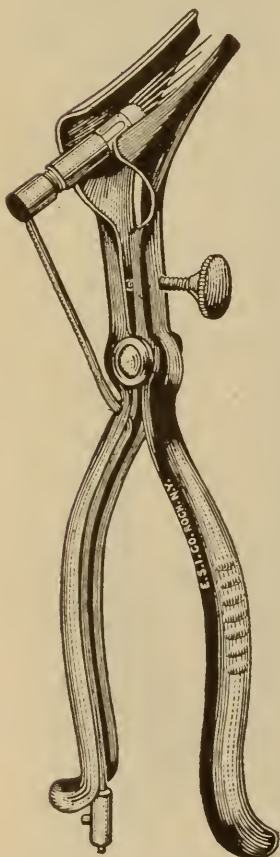
C-2520



C-2498



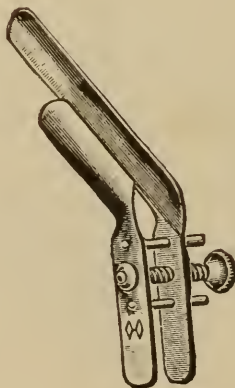
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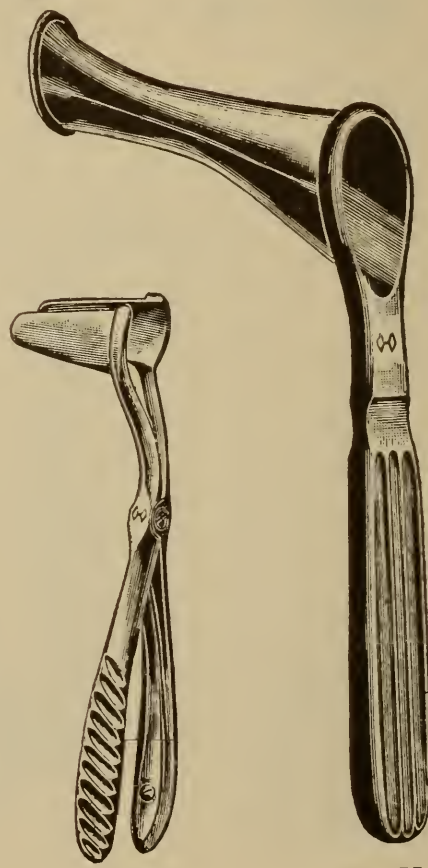
C-1508



C-2502



C-2548

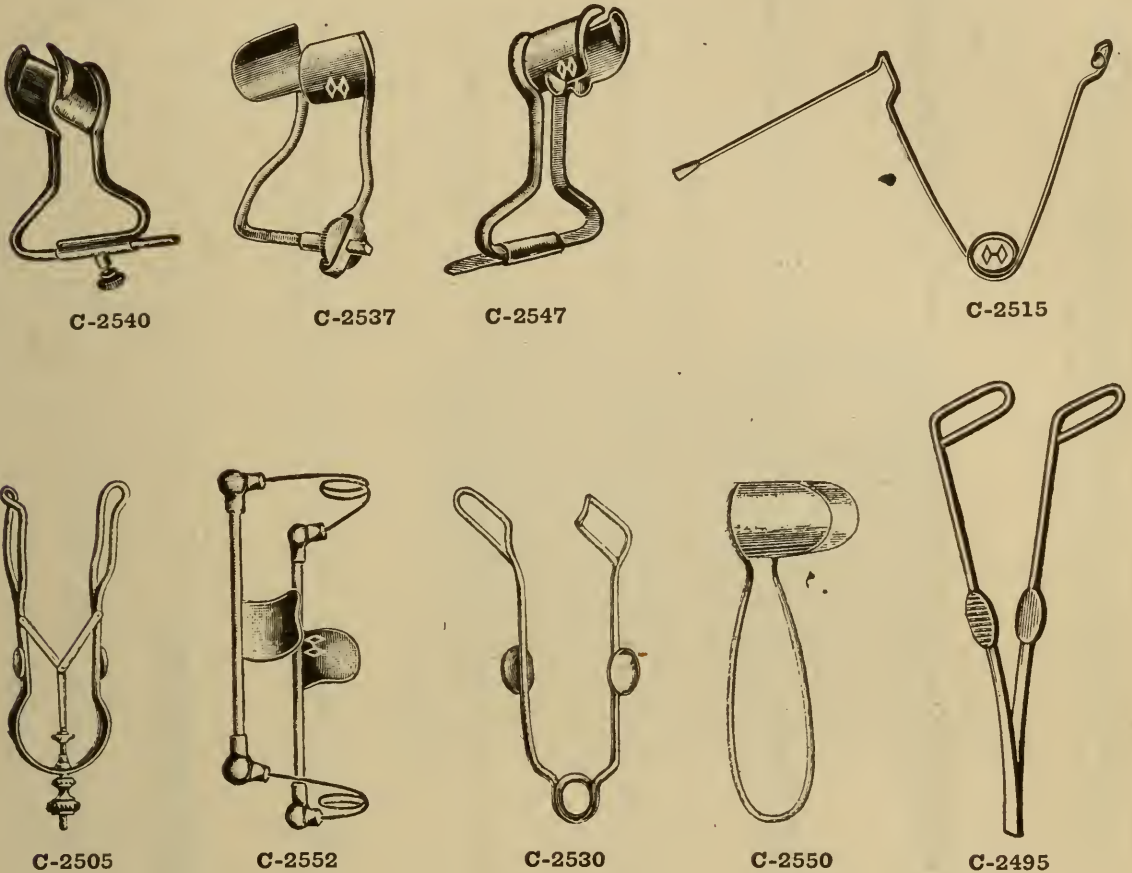


C-2521

C-2554



## NASAL INSTRUMENTS



## DILATORS

*C-2480	Ali Nasi Distender.....	\$0.50
*C-2485	Feldbausch's .....	.60

## SPECULUMS

*C-2490	Beckman's .....	\$2.25
C-2495	Bosworth's, 2 sizes, improved, each.....	.85
*C-2496	Bosworth's, plain wire.....	.35
C-2498	Coakley's .....	1.75
C-2502	Collins' .....	2.00
C-1568	E. S. I. Co.'s nasal and ear speculum, electrically lighted.....	4.00

This speculum is intended for ear and nasal work, is made of wrought metal highly polished and nickel plated. It is light, strong and easily rendered aseptic. The lamp is located well back of the left blade and does not interfere in any way with the free use of the applicators, probes, etc. The lamp has a condenser or bull's-eye blown on the end of the bulb, throwing the light well forward and illuminating the cavity perfectly.

C-2505	Frankel's, improved.....	\$1.35
C-2510	Hartman's, wrought metal.....	1.35
C-2515	Heffernan's, right and left, each.....	.40
C-2520	Ingal's .....	1.10
C-2521	Ingal's, fine steel.....	1.75
*C-2525	Jarvis' .....	.75
C-2530	Lubinski's .....	1.10
*C-2535	Monosmith's .....	1.50
C-2537	Muncaster's .....	2.00
C-2540	Myles', self-retaining, 3 sizes, each.....	1.20
C-2545	Pyncheon's .....	1.25
C-2547	Ray's, 2 sizes, adult's and child's, each.....	1.50
C-2548	Schmidt's, cauterizing, right and left, each.....	3.00
C-2550	Thudicums' .....	.60
*C-2551	Vienna .....	1.50
C-2552	Yankauer's .....	1.75
C-2554	Yankauer's, naso-pharyngeal.....	4.00

NASAL INSTRUMENTS



C-2555



C-2590



C-2593



C-2585



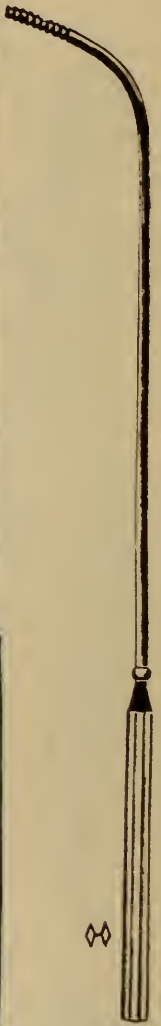
C-2580



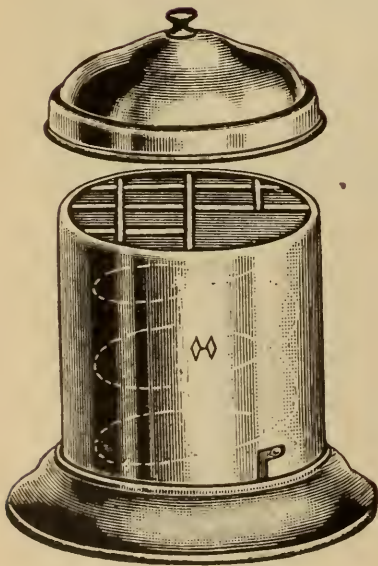
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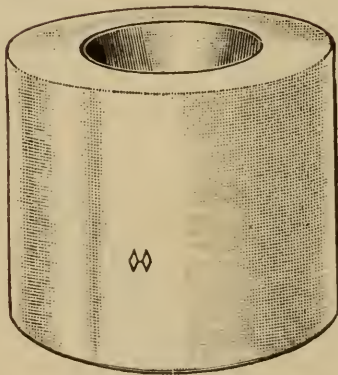
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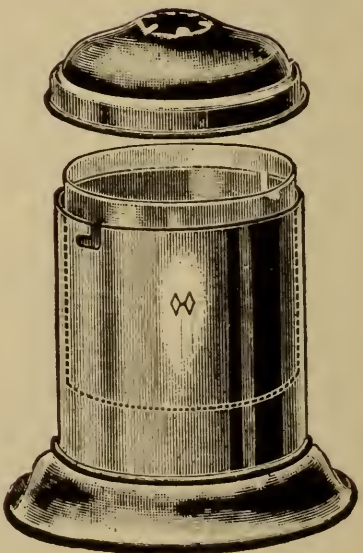
C-2594



C-2620



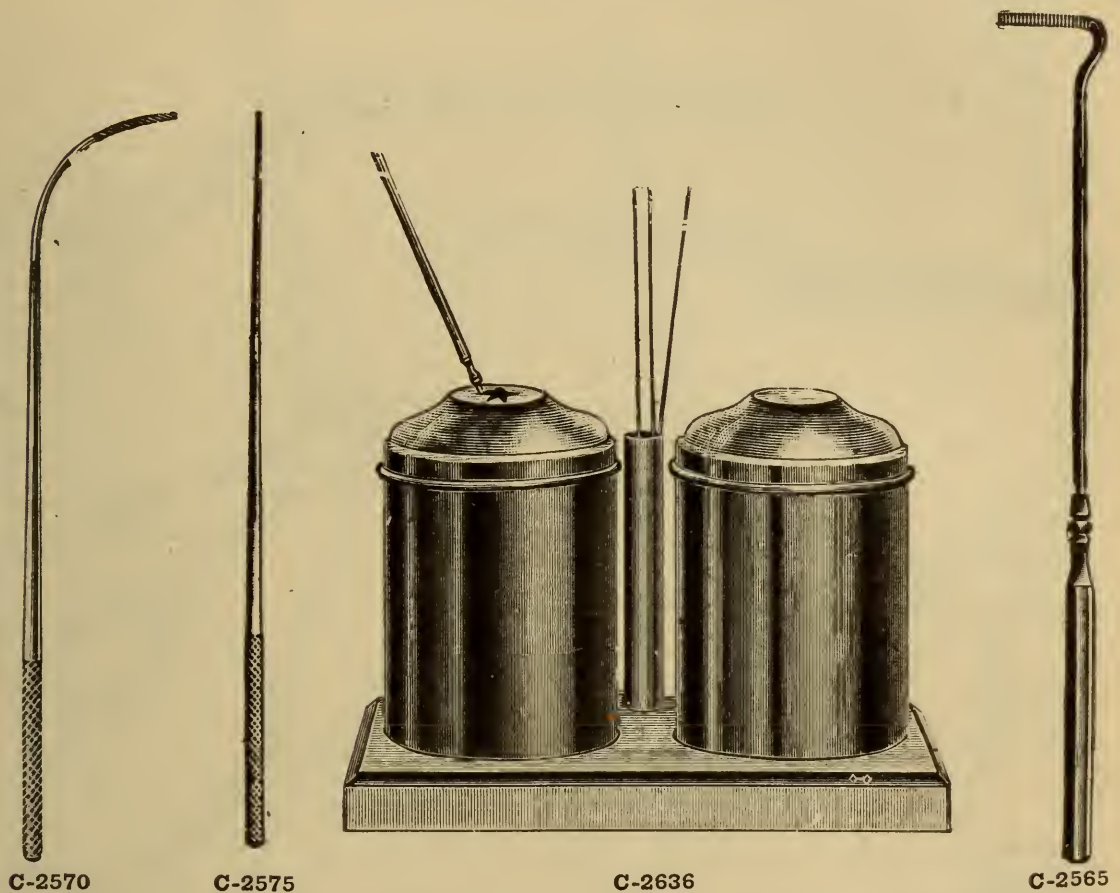
C-2637



C-2630



## NASAL INSTRUMENTS



## APPLICATORS

C-2555	Andrews', aluminum, 3 sizes, each.....	\$0.15
*C-2560	Bosworth's, aluminum.....	.35
C-2565	Buckwalder's, pharyngeal.....	.60
*C-2567	Farlow's, post nasal.....	.40
C-2568	Hartman's, steel.....	.75
C-2570	Ivans', all steel, pharyngeal.....	.35
C-2575	Kyle's, all steel.....	.35
C-2580	Plain, aluminum, 2 rough ends, \$0.10; per dozen.....	1.00
C-2585	Plain, aluminum, 1 flat and 1 rough end, \$0.10; per dozen.....	1.00
C-2590	Plain, with handle, flat end.....	.25
*C-2591	Plain, with handle, triangular end.....	.25
*C-2592	Plain, with handle, rough end.....	.25
C-2593	Plain, with handle, spiral end.....	.25
C-2594	Post Nasal, steel.....	.40
C-2596	Tapering, 8 inch, spiral end, copper.....	.15
C-2597	Tapering, 8 inch, spiral end, aluminum.....	.15

## PROBES

*C-2595	Angular, Farlow's, plated.....	\$0.60
*C-2600	Plain, flexible, plated.....	.25

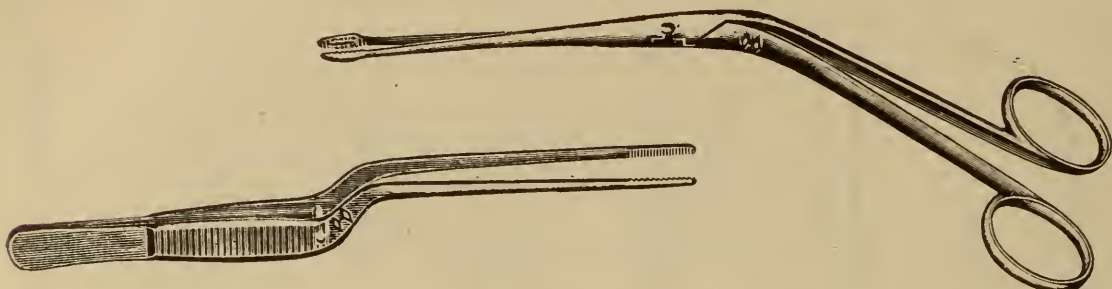
## RESERVOIRS FOR COTTON

C-2620	Phillips'.....	\$2.00
*C-2625	Phillips', with waste trough.....	2.50

## RESERVOIRS FOR WASTE

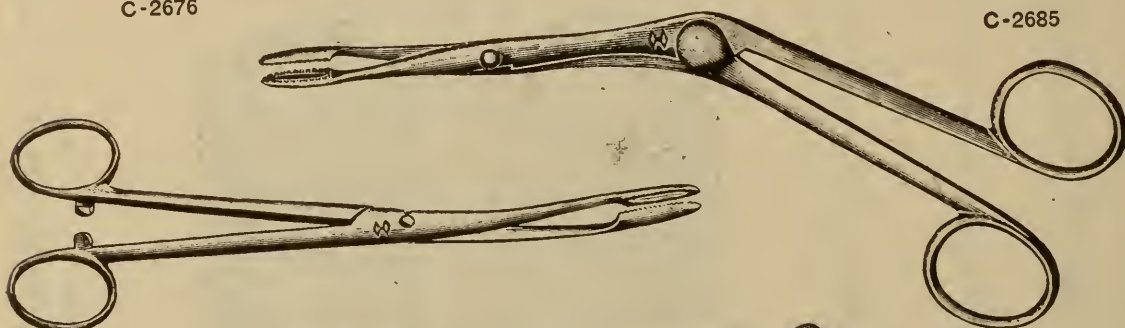
C-2630	Campbell's.....	\$2.00
C-2636	Haslam's, duplex, cotton reservoir and waste receptable, with container for applicators.....	5.50
C-2637	Yankauer's Cocaine Cup, porcelain.....	.35

NASAL INSTRUMENTS



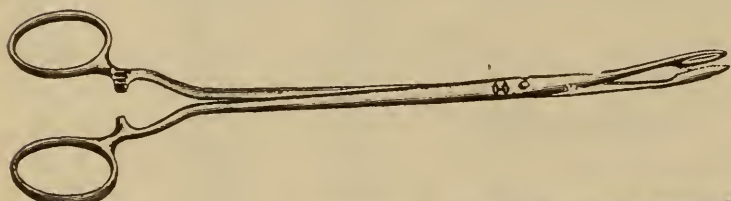
C-2676

C-2685

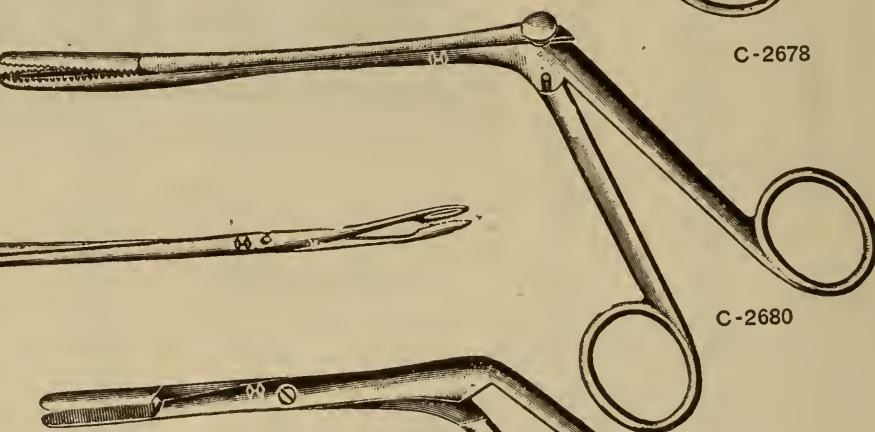


C-2655

C-2678



C-2650



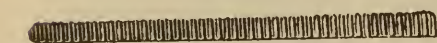
C-2680

C-2677



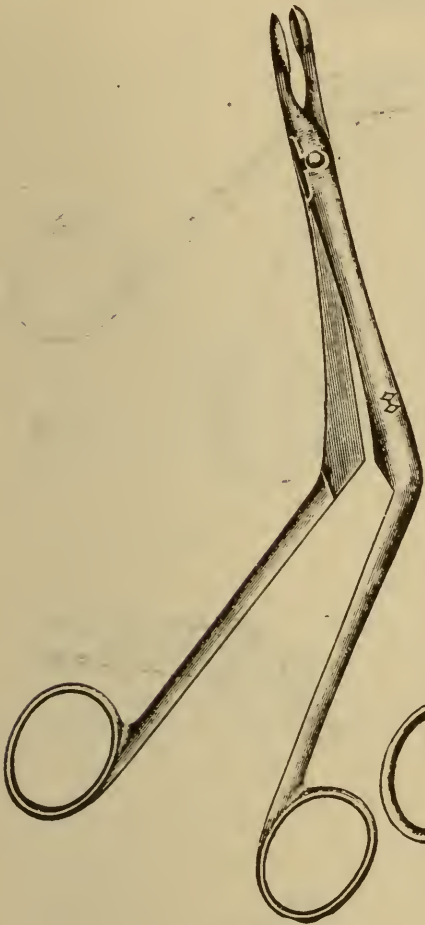
C-2679

C-2670

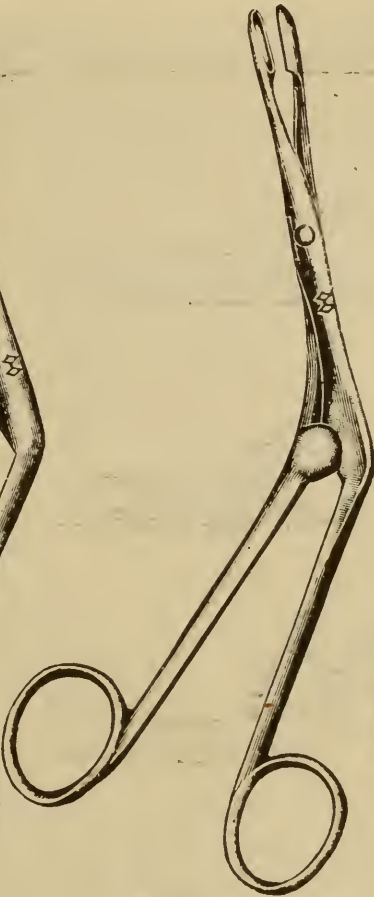




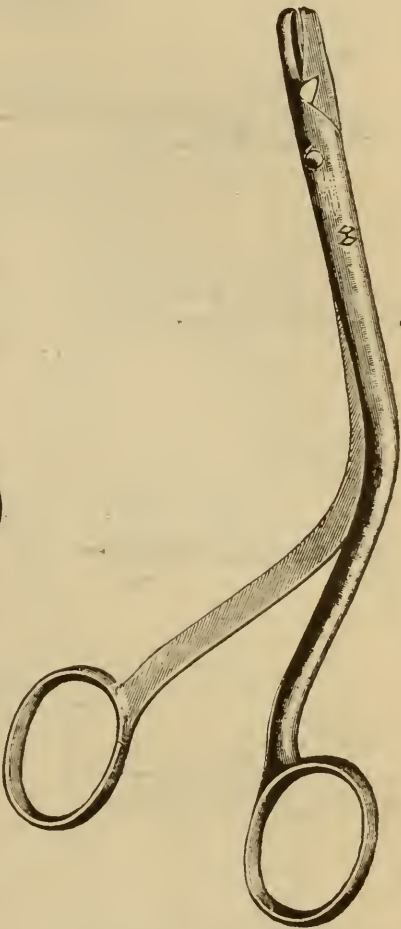
NASAL INSTRUMENTS



C-2700



C-2705



C-2715

NASAL FORCEPS

Dressing and Polypus Forceps

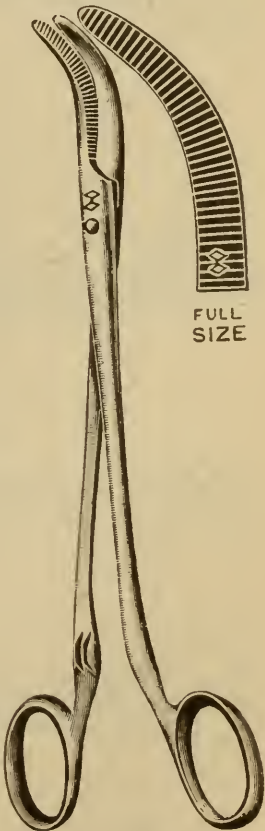
C-2650	Duplay's, polypus, curved.....	\$2.25
C-2655	Gross', polypus, curved.....	2.00
*C-2660	Gruenwald's, tampon.....	2.00
*C-2665	Hartman's, polypus.....	1.65
C-2670	Hartman's, dressing.....	1.65
C-2675	Ingal's, dressing.....	1.75
C-2676	Jansen's, dressing.....	1.50
C-2677	Killian's, septum compression, small, \$3.50; large..	3.75
C-2678	Knight's, polypus.....	2.00
C-2679	Musehold's, dressing and tampon.....	2.50
C-2680	Noyes', alligator jaw.....	4.50
C-2685	Simrock's, dressing.....	2.00

Cutting Forceps

C-2700	Heymann's, improved.....	\$3.00
C-2705	Knight's .....	3.50
*C-2715	Pynchon's .....	4.50

Haemostatic Forceps

C-2724	Shallcross', double curved.....	\$3.00
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C-2724

## NASAL INSTRUMENTS



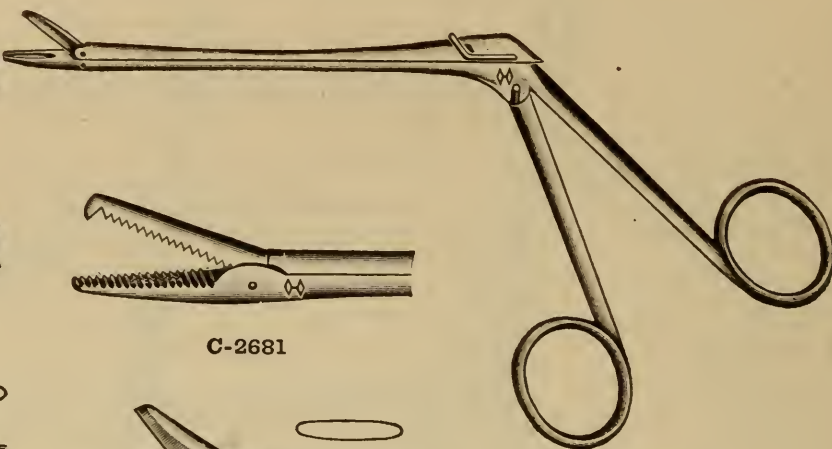
C-2728



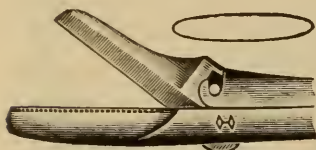
C-2680



C-2681



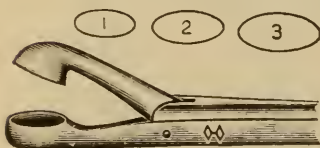
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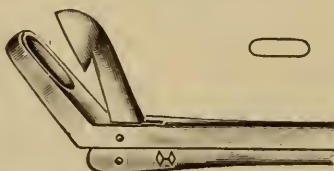
C-2737



C-2738



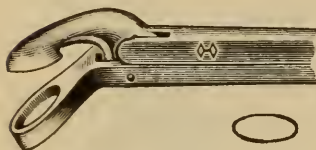
C-2735



C-2740



C-2745



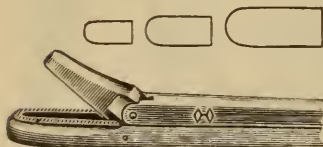
C-2751



C-2750



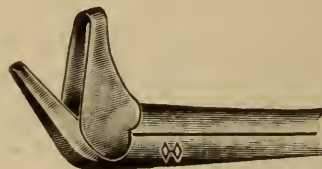
C-2739



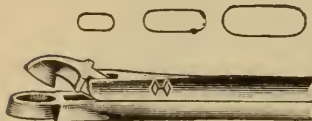
C-2760



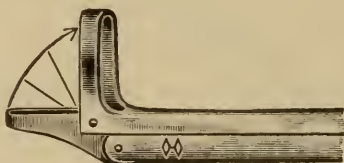
C-2765



C-2777



C-2726



C-2759



C-2776



C-2756



C-2758

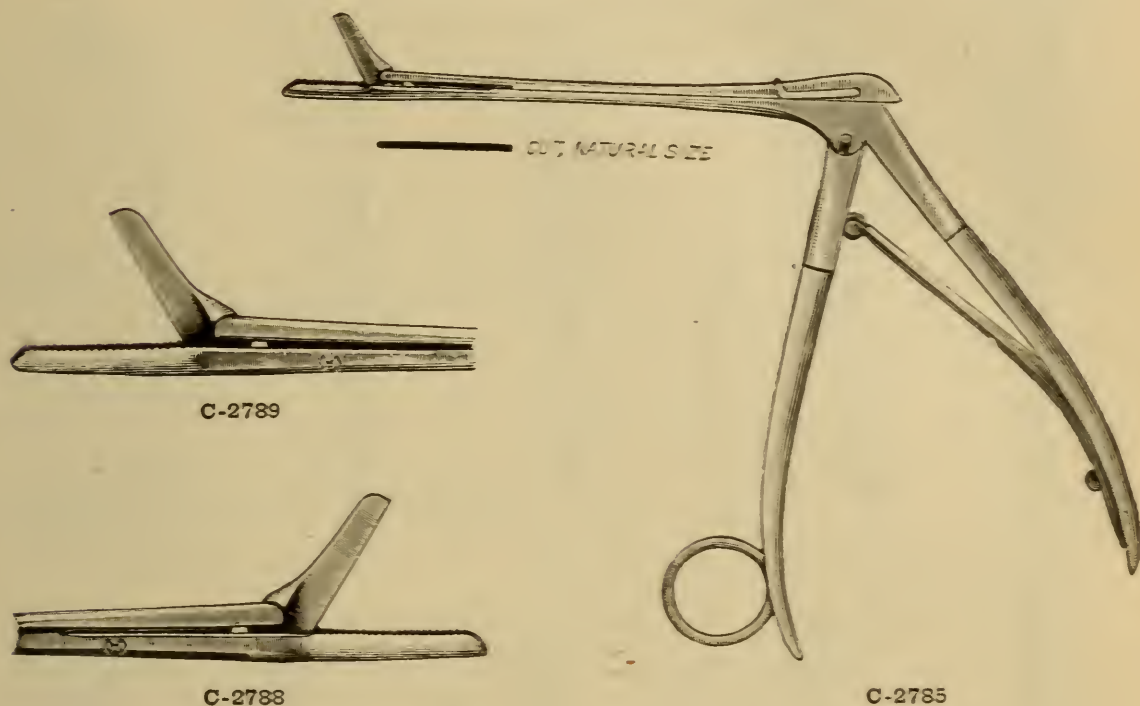


C-2757

NOTE.—All nasal forceps illustrated on this page have the same construction of shanks and handle shown in C-2728. Illustrations show the jaws full size.



## NASAL INSTRUMENTS

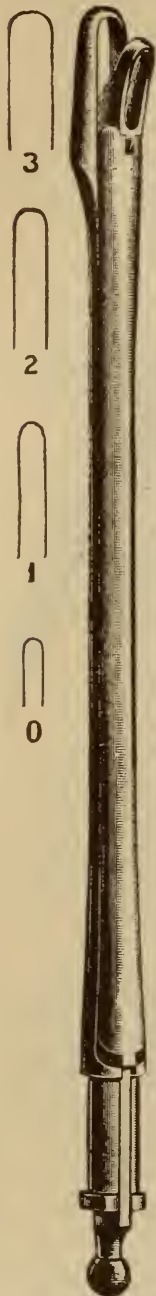


## NASAL CUTTING FORCEPS

C-2726	Bryant's, for cutting ethmoid cells.....	\$ 0.00
C-2728	Fish's, ethmoid cutting.....	6.50
*C-2729	Fish's, ethmoid, grasping (same as C-2680).....	4.50
C-2735	Gruenwald's, straight, oval cut, 3 sizes.....	8.50
C-2736	Gruenwald's, straight, half oval cut, 5 sizes.....	8.50
C-2737	Gruenwald's, improved, large oval cut.....	8.50
C-2738	Gruenwald's, improved, small oval cut.....	8.50
C-2739	Gruenwald's, improved, reverse cut.....	9.00
C-2740	Gruenwald's, curved up.....	9.00
C-2745	Gruenwald's, curved down.....	9.00
C-2750	Gruenwald-Hartman's, curved to right.....	10.00
C-2751	Gruenwald-Hartman's, curved to left.....	10.00
C-2756	Hartman's, Conchotome, straight, 3 sizes, each.....	8.50
C-2757	Hartman's, Conchotome, cutting to right, 3 sizes.....	8.50
C-2758	Hartman's, Conchotome, cutting to left, 3 sizes.....	8.50
C-2759	Hurd's, ethmoid and sphenoid.....	9.00
C-2760	Myles', latest, straight, 3 sizes, each.....	8.50
C-2765	Myles', latest, curved up, ethmoid.....	9.00
C-2680	Noyes', plain jaw, grasping.....	4.25
C-2681	Noyes', with mouse tooth, grasping.....	4.50
*C-2770	Prince's, for bridge and middle turbinates.....	4.25
*C-2775	Prince's, for polypus and inferior turbinates.....	4.75
C-2776	Reaves', ethmoid turbinate, right and left, each.....	7.50
C-2777	Roe's, improved, cutting up, ethmoid.....	6.50
C-2785	Van Struycken's, latest, straight.....	12.50
C-2788	Van Struycken's, latest, straight, lateral cut, right.....	12.50
C-2789	Van Struycken's, latest, straight, lateral cut, left.....	12.50
*C-2782	Weingaertner's, nasal punch, oval.....	10.50
*C-2790	Weir's.....	3.50

The attention of the specialist is called to the construction of our Van Struycken forceps. The construction offers two distinct advantages over other makes. The cut is narrower and sharper. The groove on each side of the blades, extending backward toward the handles, permits of continuous forward cutting.

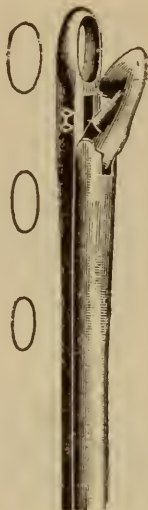
NASAL INSTRUMENTS



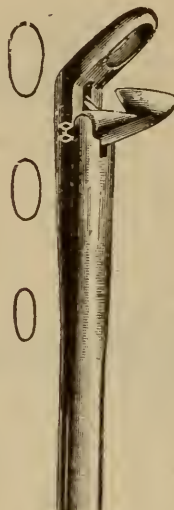
C-2801



C-2791



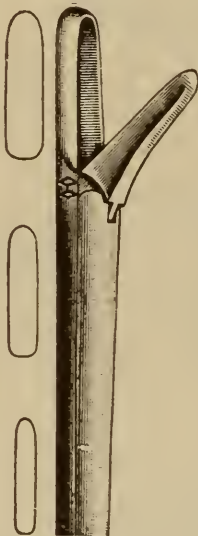
C-2792



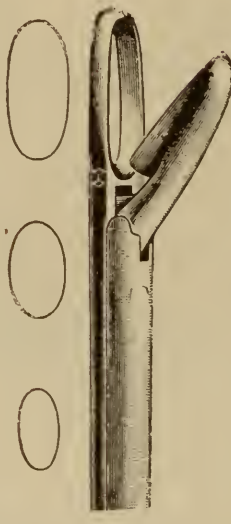
C-2793



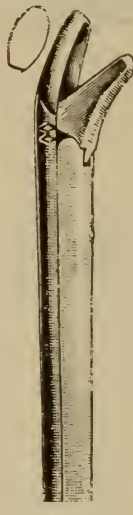
C-2802



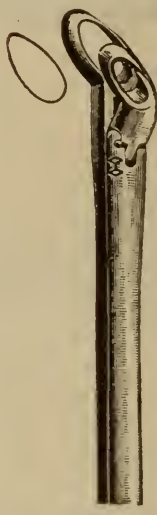
C-2797



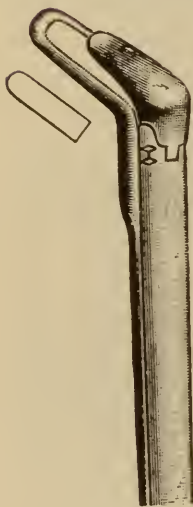
C-2798



C-2799



C-2796



C-2803



C-2804



C-2804B



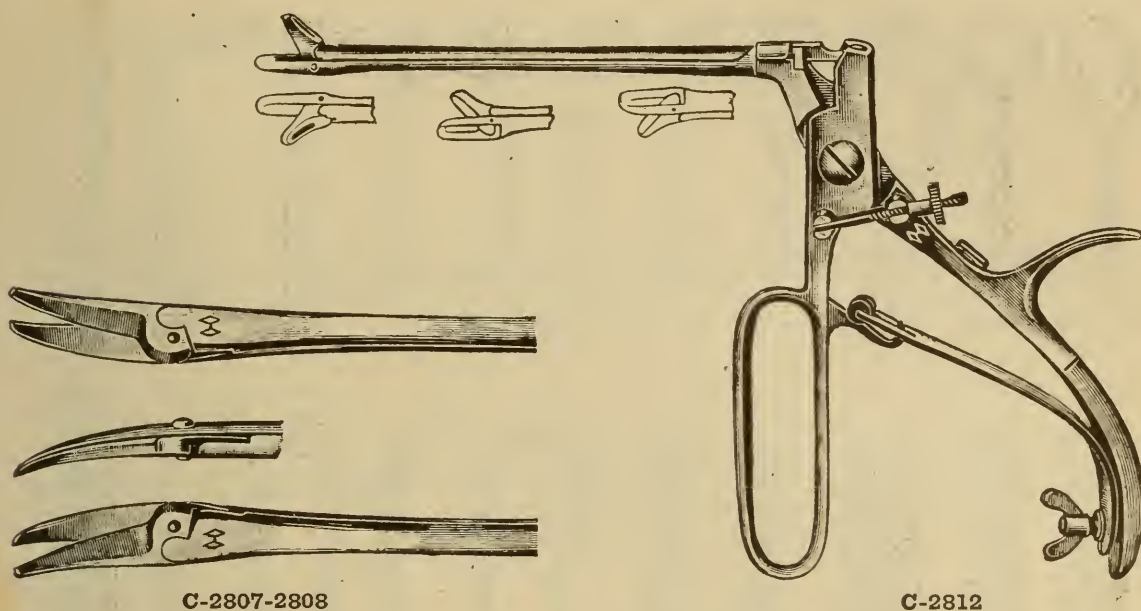
C-2804A



C-2809



## NASAL INSTRUMENTS



C-2807-2808

C-2812

## NASAL CUTTING FORCEPS—FITTING UNIVERSAL HANDLE

C-2791	Fry's, curved up.....	\$7.50
C-2792	Gruenwald's, straight, 3 sizes, each.....	6.00
C-2792A	Gruenwald's, straight, same as C-2792, but with pointed jaw.....	6.00
C-2793	Gruenwald's, curved up, 3 sizes, each.....	7.50
*C-2794	Gruenwald's, curved down, 3 sizes, each.....	7.50
C-2796	Gruenwald-Kuemmel's, curved right and left, each.....	8.00
C-2797	Gruenwald-Struycken's, 3 sizes, each.....	6.50
C-2798	Hartman's, oval, straight, 3 sizes, each.....	6.50
C-2799	Lermoyez's, each.....	6.50
C-2801	Myles', straight, 3 sizes, each.....	8.50
C-2802	Myles', curved, 1 size.....	8.50
C-2803	Myles', curved, right or left, each.....	8.50
C-2804	Struycken's, cutting, straight.....	9.50
C-2804A	Struycken's, cutting, to right.....	9.50
C-2804B	Struycken's, cutting, to left.....	9.50

## NASAL SCISSORS

*C-2806	Hartman's, straight.....	\$7.25
*C-2807	Holmes', straight.....	7.25
C-2808	Holmes', curved.....	7.50
C-2809	Watson's, angular.....	8.50

NOTE.—Prices quoted above are for blades only.

## UNIVERSAL HANDLE

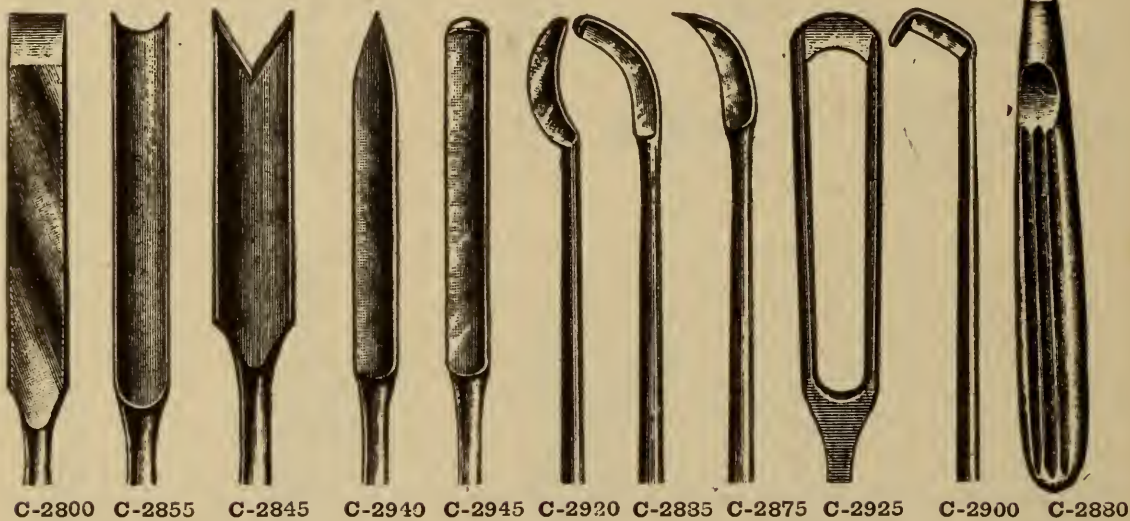
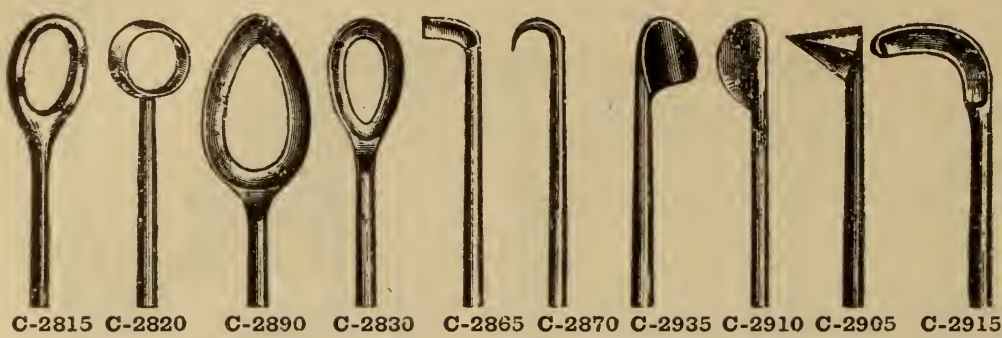
C-2812	Universal Handle, only.....	\$7.25
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The shanks of the nasal cutting forceps and scissors listed above are made interchangeable to fit the Universal Handle. The mechanical construction of the handle is very simple. It fits the hand perfectly, gives great power and is so designed as to place the hand of the operator well out of the line of vision. The blades can be rotated in the handle and held in four different positions. A simple mechanism attached to the handle permits the changing of the blades in a few seconds.

The interchangeable feature adds slightly to the cost if a single instrument is purchased, but where two or more blades are purchased or where the purchaser, when buying the first instrument, has a practice that might demand other blades for future work, the practitioner will find that he can effect a considerable saving.

We guarantee every blade to be perfect in fit, design, finish, temper and cut.

NASAL INSTRUMENTS





## NASAL INSTRUMENTS



C-2825



C-2852



C-3283



C-2952

## CHISELS, GOUGES, CURETTES, KNIVES, HOOKS, ETC.

C-3283	Chisel, Andrews', turbinated.....	\$2.25
C-3286	Chisel, Freer's, angular, submucous septum....	1.75
C-3287	Chisel, Freer's, curved, submucous septum....	1.50
C-3280	Chisel, Freer's, straight, submucous septum...	1.50
C-2800	Chisel, plain .....	1.35
C-2805	Chisel, White's .....	1.75
C-2815	Curette, Kyle's, blunt.....	2.00
C-2820	Curette, round, sharp.....	1.50
C-2825	Curette, Schafer's, double, graduated handle....	1.65
*C-2835	Elevator, Asch's, septum.....	1.25
*C-2840	Gouge, Asch's, septum.....	1.50
C-2850	Gouge, Ballenger's, V shape.....	1.25
C-2852	Gouge, Freer's, 2 sizes, each.....	1.20
C-2845	Gouge, Hajek's, 3 sizes, each.....	1.50
C-2855	Gouge, plain .....	1.50
C-2860	Gouge, White's .....	1.85
C-2865	Hook, Hajek's, flat, sharp.....	1.40
C-2870	Hook, Hajek's, sharp pointed.....	1.10
C-2875	Knife, Allen's, septum.....	1.75
C-2880	Knife, Ballenger's, swivel, septum, 2 sizes, each	3.00
C-2885	Knife, Barnes', septum.....	1.75
C-2890	Knife, Behren's, spoke shave, 2 sizes in 1 handle	5.25
*C-2895	Knife, Chappell's, ring, 2 sizes.....	1.50
C-2897	Knife, Dean's, turbinate, right and left.....	1.75
C-2900	Knife, Douglass', hook shape, septum.....	1.75
C-2905	Knife, Douglass', septum.....	1.75
*C-2910	Knife, Ingal's, septum.....	1.80
C-2915	Knife, Killian's, exostosis.....	2.75
C-2920	Knife, Kyle's, septum.....	1.75
C-2925	Knife, Nichol's, spoke shave, with 1 blade.....	5.00
C-2930	Knife, plain, spoke shave.....	2.75
C-2935	Knife, Schultz's, spoke shave, right and left, each	1.75
C-2937	Knife, Sluder's, turbinate, set of 2, right and left, with 1 handle.....	4.50
C-2940	Knife, straight, sharp, septum.....	1.75
C-2945	Knife, straight, blunt, septum.....	1.75
C-2948	Knife, Yankhauer's, angular, mucous membrane	2.25
C-2952	Shave, Burrell's, submucous septum.....	3.50

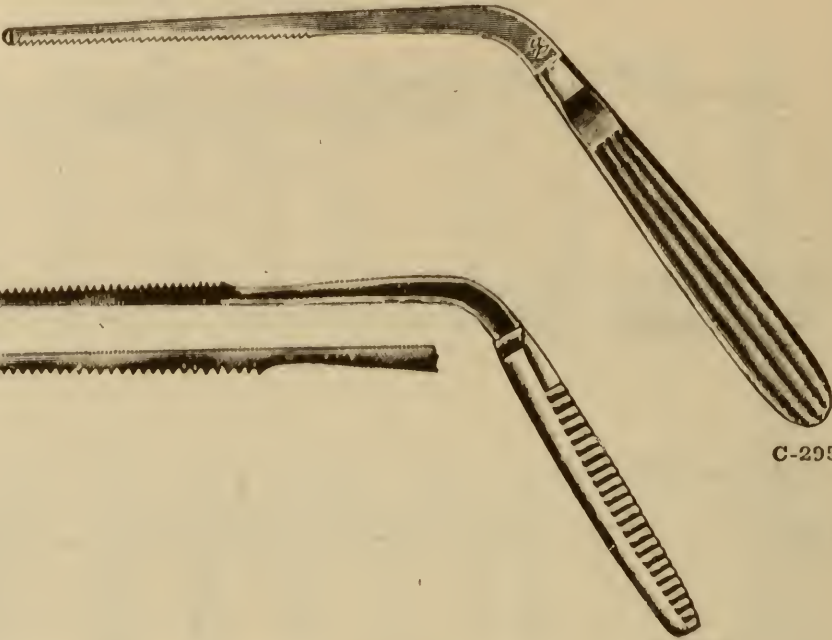


C-2948

FULL  
SIZE

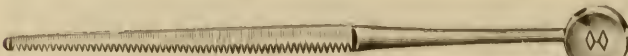
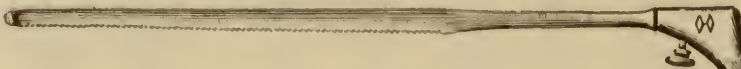
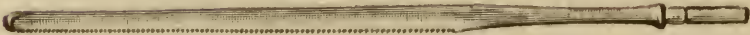
C-2897

NASAL INSTRUMENTS



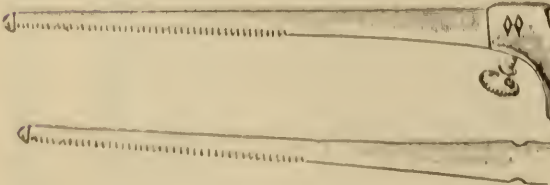
C-2957

C-3005

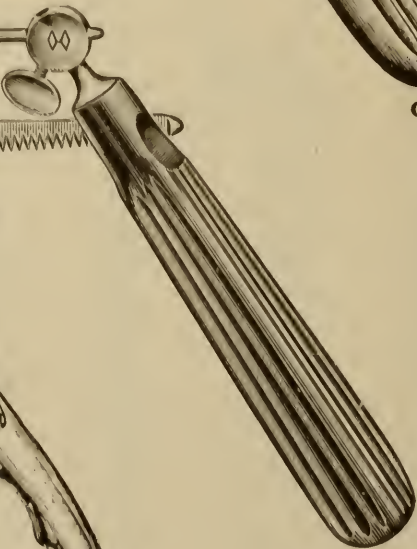


C-7475

C-2980



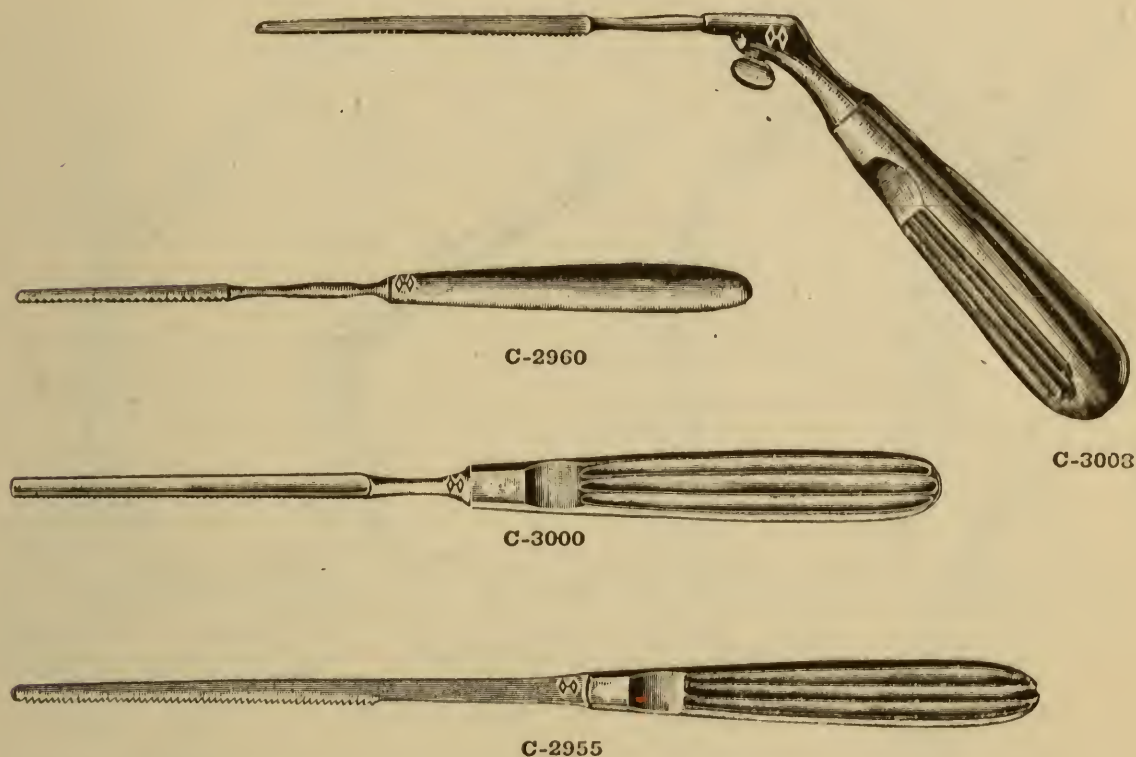
C-2997



C-2980-2982



## NASAL INSTRUMENTS



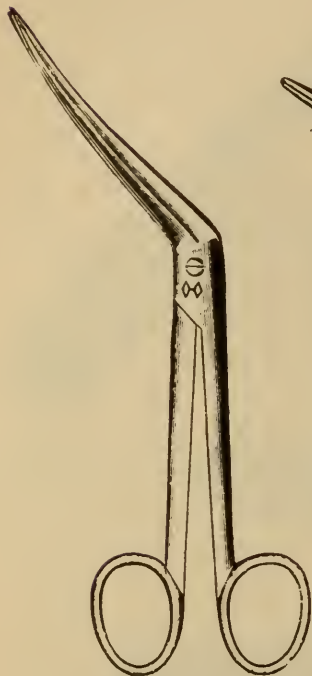
## NASAL SAWS

*C-7473	Armstrong's .....	\$2.50
C-2955	Bosworth's, straight .....	1.60
*C-2956	Bosworth's, angular, cutting upward.....	1.60
C-2957	Bosworth's, angular, cutting downward.....	1.60
C-7475	Bucklin's set of 2 blades.....	3.25
*C-7482	Collins' .....	2.50
C-2960	Curtis', straight, thin blade.....	1.50
*C-2965	Fetterhof's, rasp, small or large.....	1.75
*C-2975	Hall's, beveled edge, 2 blades with 1 handle, same as C-2997.....	2.50
C-2980	Haslam's, latest model, beveled edge, 2 blades with 1 handle.....	3.75

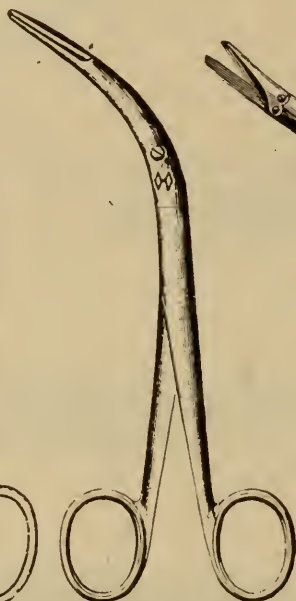
The blades of this saw have beveled edges, finely tempered, and are right and left. The handle is large and comfortable. The blades can be adjusted either straight or at an angle.

*C-2982	Haslam's, 2 blades with 1 handle, in case.....	\$4.25
*C-2985	Holmes', thin blade, with straight or back cutting teeth.....	1.80
*C-2990	Kyle's, horizontal.....	2.00
*C-2995	Kyle's, vertical.....	2.00
C-2997	McAuliff's, 2 blades having beveled edges with 1 handle.....	2.50
C-3000	Pynchon's, concave blades, right or left.....	2.50
C-3005	Robertson's, up and down, each.....	1.60
C-3008	Schoetz's, adjustable.....	2.75

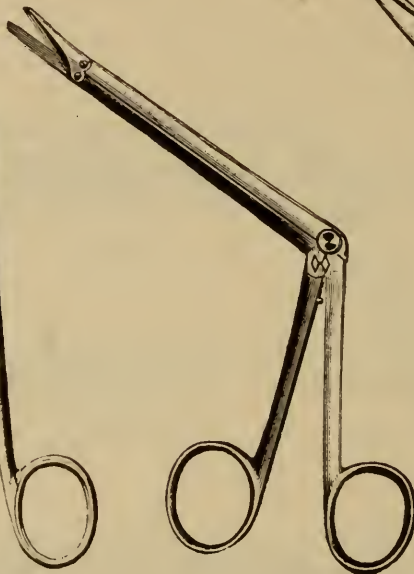
## NASAL INSTRUMENTS



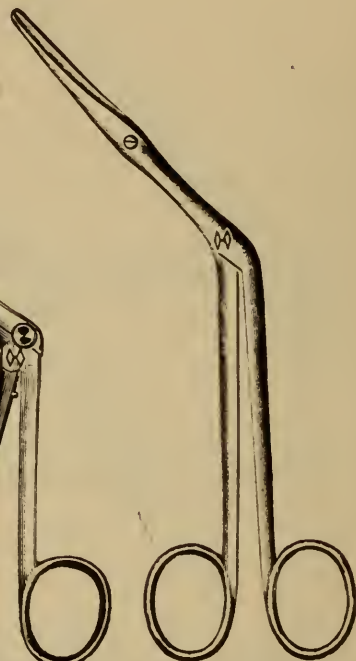
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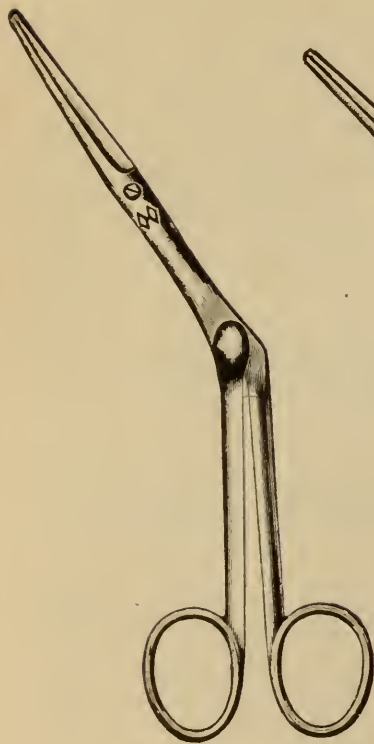
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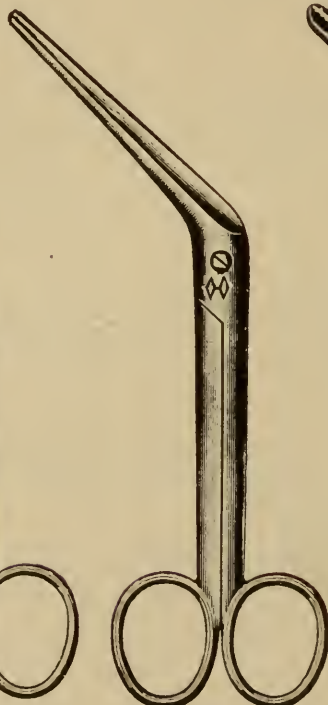
C-3040



C-3055



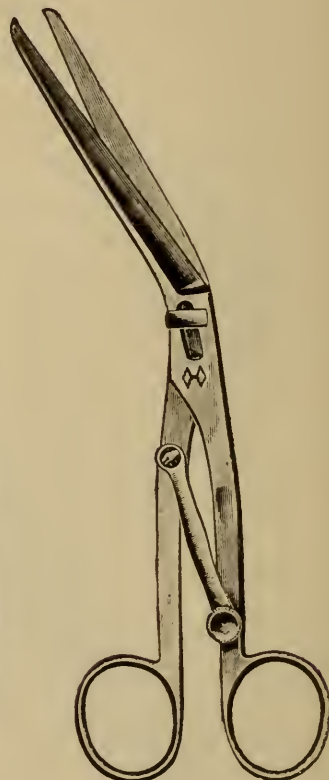
C-3070



C-3080



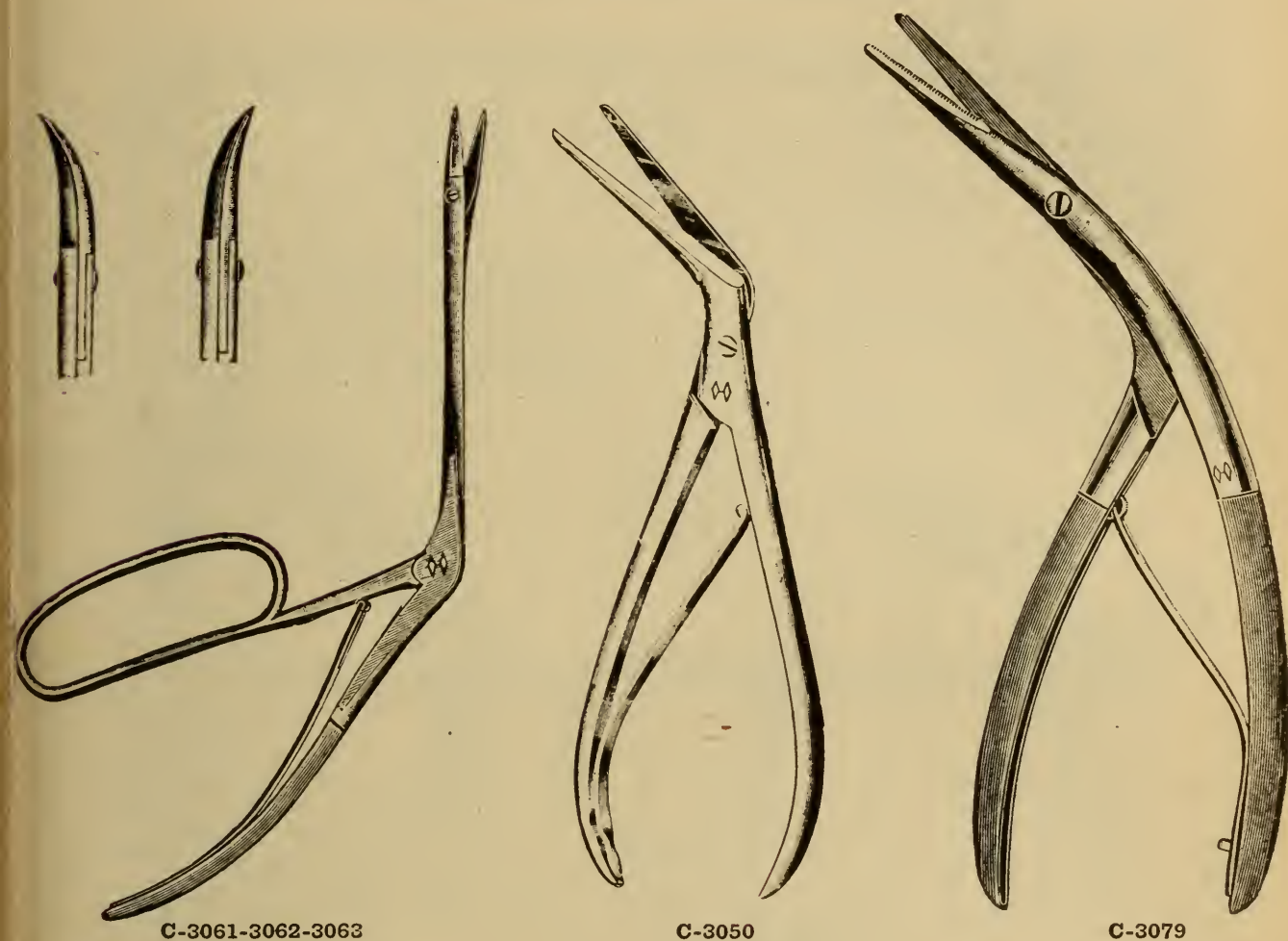
C-3065



C-3075



## NASAL INSTRUMENTS



C-3061-3062-3063

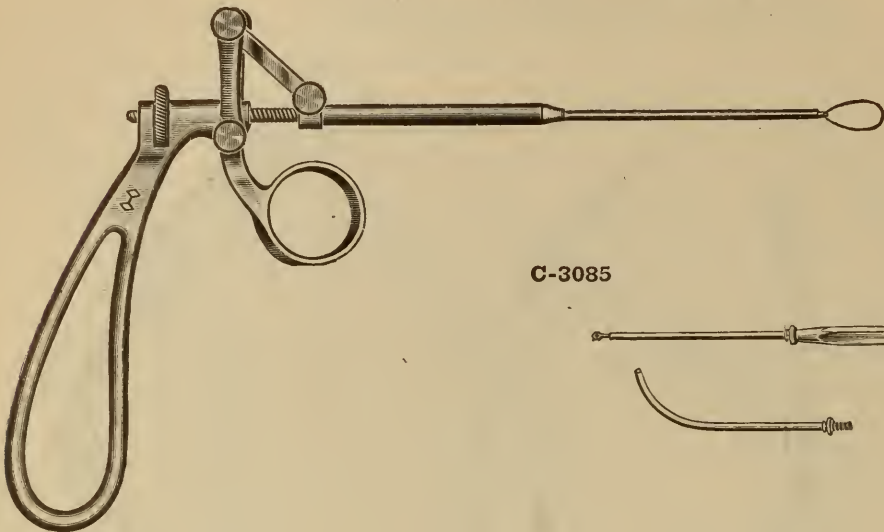
C-3050

C-3079

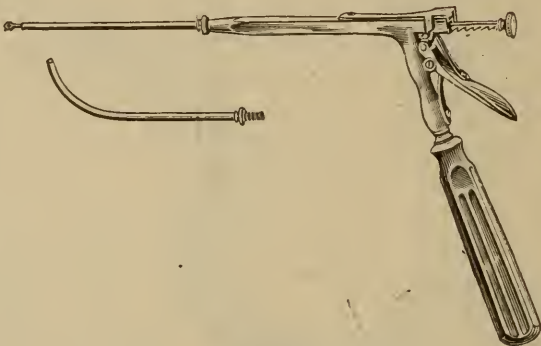
## NASAL SCISSORS

C-3015	Beckman's, for upper turbinates.....	\$2.75
C-3020	Beckman's, for middle turbinates.....	2.75
*C-3035	Casselberry's, serrated edges.....	2.50
C-3040	Gruenwald's, alligator action.....	8.00
C-3050	Herzfeld's, forcep handle.....	2.60
C-3055	Heymann's .....	2.10
C-3061	Holmes', latest, straight.....	9.50
C-3062	Holmes', latest, curved to right.....	9.50
C-3063	Holmes', latest, curved to left.....	9.50
C-3065	Jackson's, turbinatome .....	4.00
*C-3066	Jackson's, turbinatome, saw edge.....	4.25
C-3070	Knight's .....	2.00
C-3075	Mueller's, Vienna pattern, sliding blade.....	5.00
C-3080	Seiler's, regular pattern.....	2.00
*C-3078	Seiler's, heavy pattern.....	2.50
C-3079	Thompson's, turbinatome, saw edge.....	3.50
*C-3081	Watson's .....	9.50

NASAL INSTRUMENTS



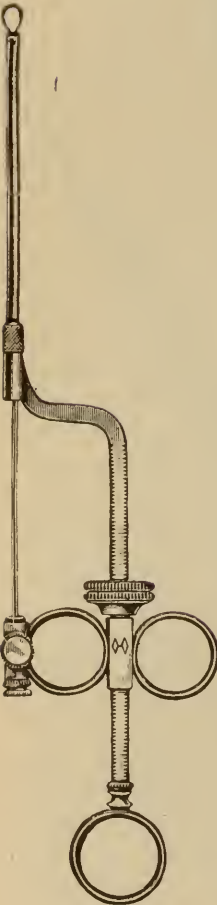
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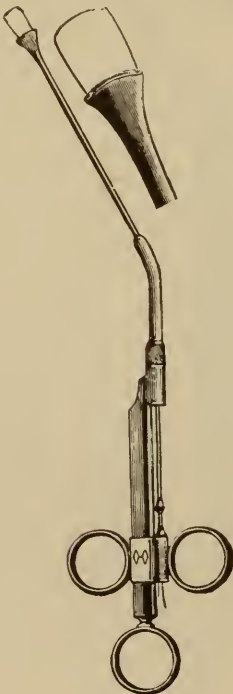
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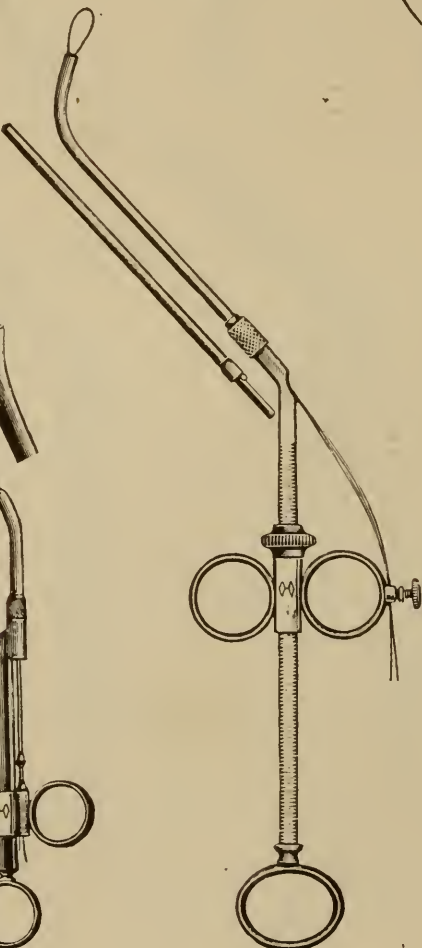
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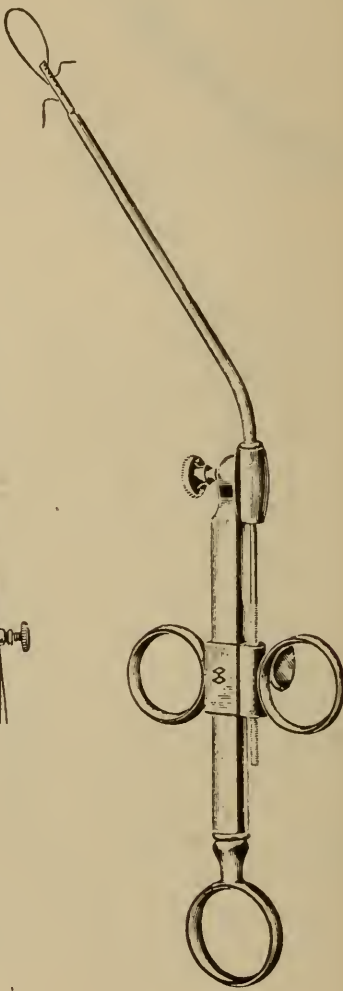
C-3110



C-3127



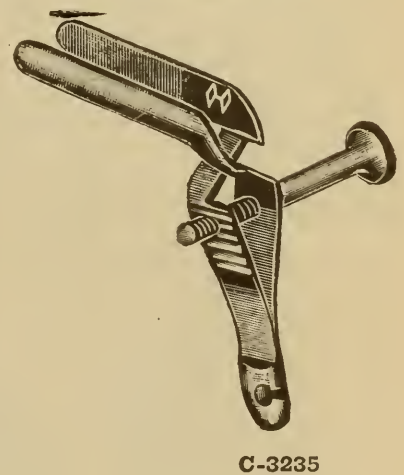
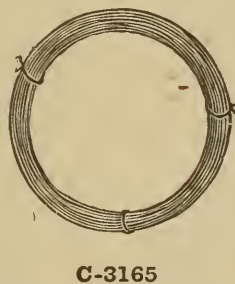
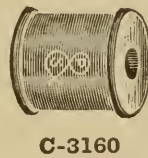
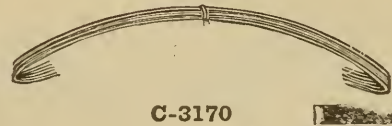
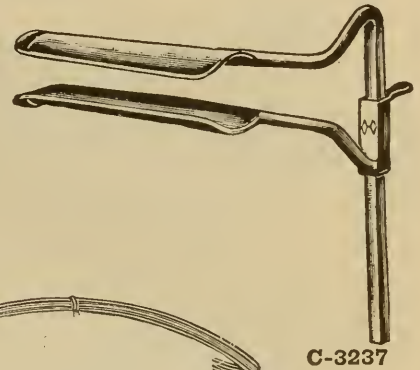
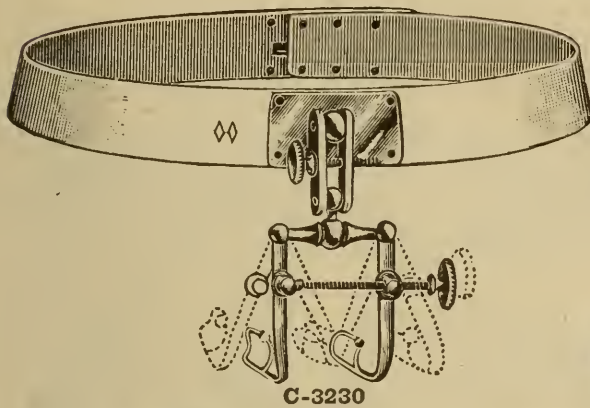
C-3095



C-3130



## NASAL INSTRUMENTS



## NASAL SNARES

*C-3083	Annisdale's, in cloth roll.....	\$6.00
C-3085	Baker's .....	4.90
C-3095	Bosworth's, improved, seamless steel tips.....	1.75
C-3110	Douglass' .....	3.75
*C-3115	Duffee's .....	6.00
*C-3125	Jarvis', straight.....	1.50
C-3127	Jaennicke's, with automatically reforming loop.....	5.00
C-3130	Krause's, .....	4.50
*C-3135	Martin's .....	3.75
C-3140	Sajou's, original.....	1.65
C-3150	Wright's, 2 tips .....	6.75
*C-3155	Wright's, 2 tips, folding handle.....	7.75

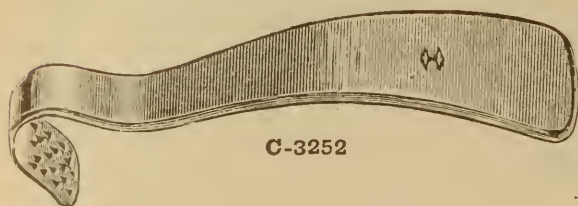
## SNARE WIRE

C-3160	Snare Wire, on spools, sizes 1 to 5, each.....	\$0.10
C-3165	Snare Wire, in ¼-lb. coils, sizes 1 to 5, per coil.....	.75
C-3170	Snare Wire, cut ready for use with éyelet, sizes 1 to 5, 12 in package, package .....	.15
C-3172	Yankauer's Wire Loops, for nasal snares, per dozen.....	.60

## SPECULUMS FOR SUBMUCOUS RESECTIONS

C-3225	Ballenger's .....	\$1.50
C-3230	Beck's, self-retaining, to be used with head band.....	2.50
C-3235	Beck's nasal clamp.....	2.25
C-3237	Carter's, steel.....	2.00

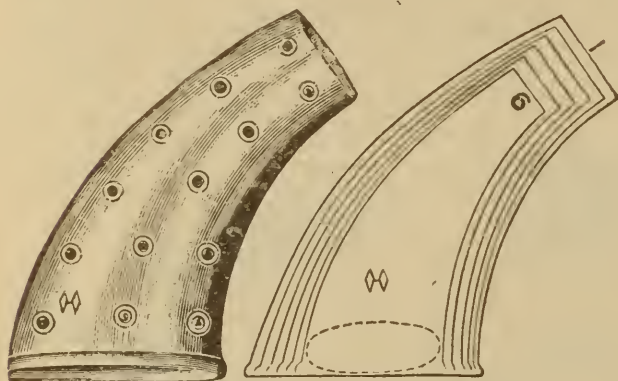
## NASAL INSTRUMENTS



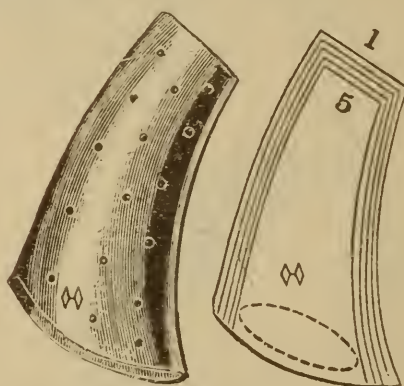
C-3252



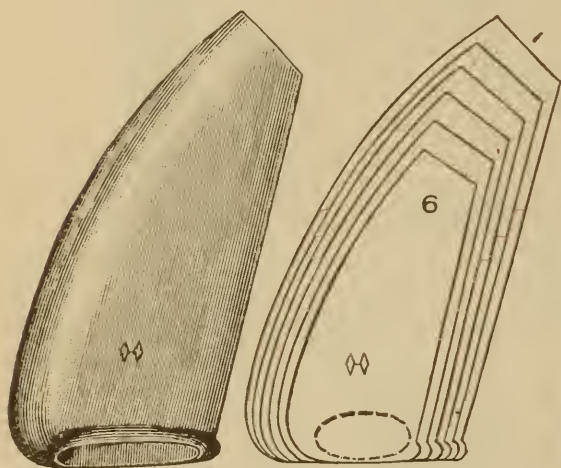
C-3276



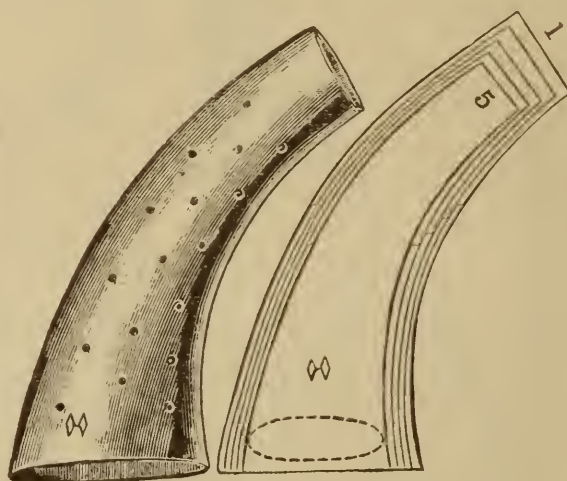
C-3270



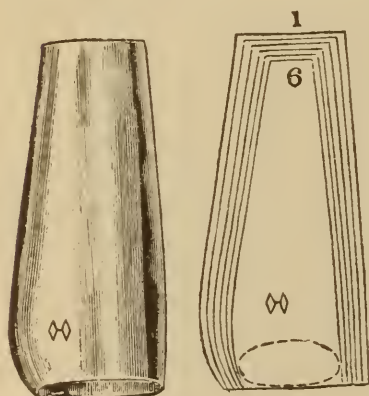
C-3265



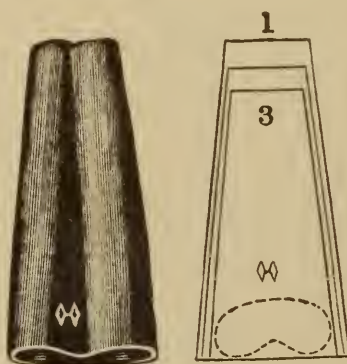
C-3275



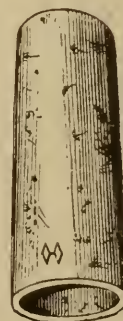
C-3266



C-3260



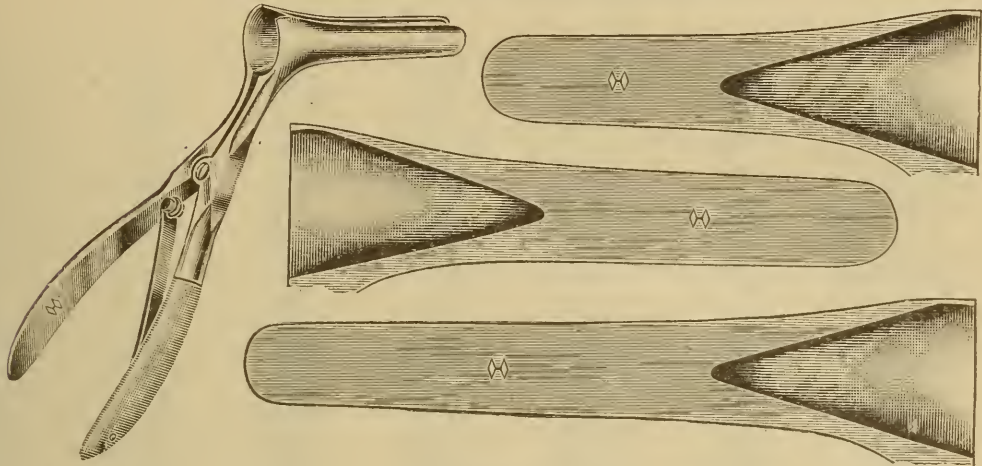
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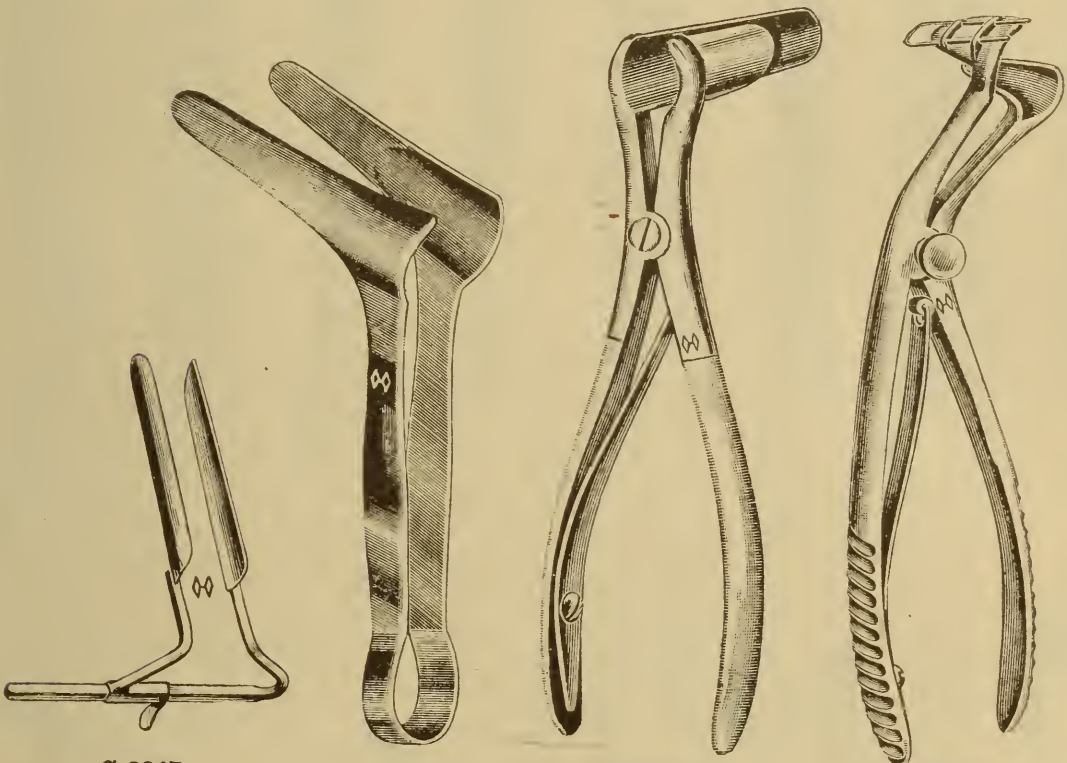
C-3253



## NASAL INSTRUMENTS



C-3240



C-3247

C-3238

C-3239

C-3248

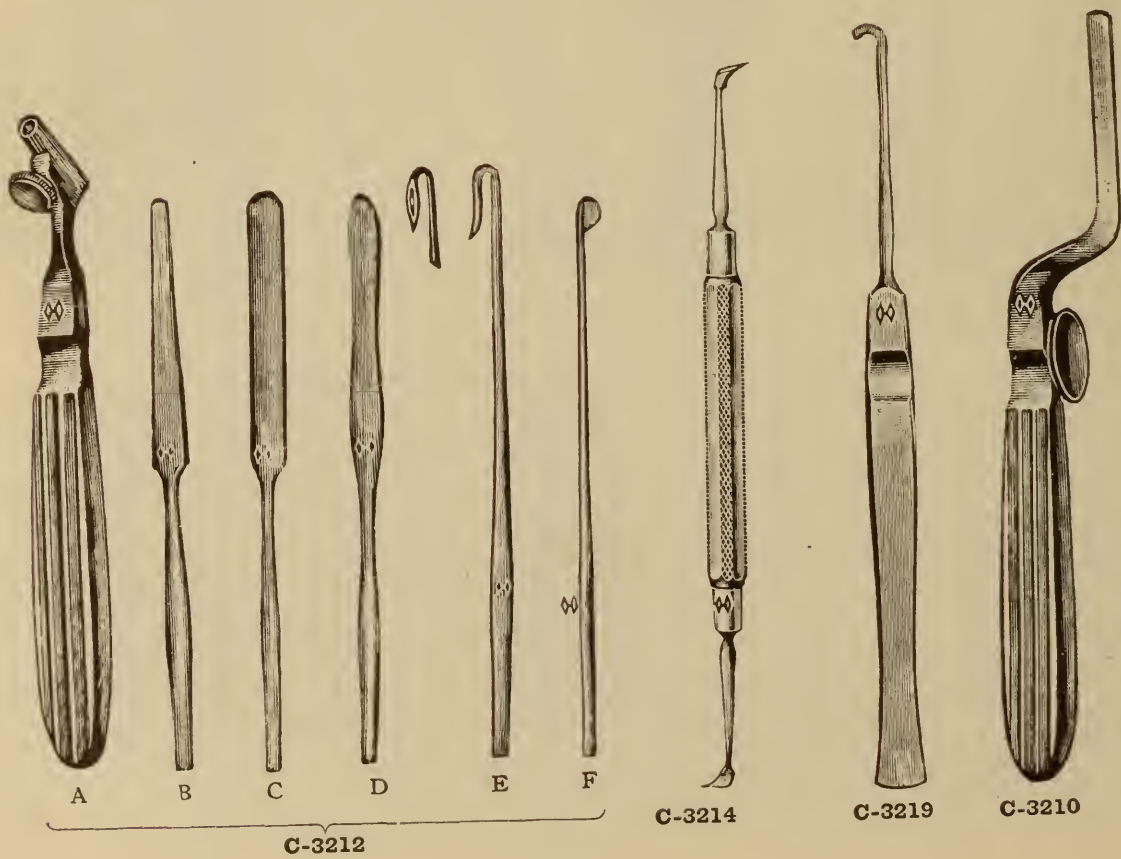
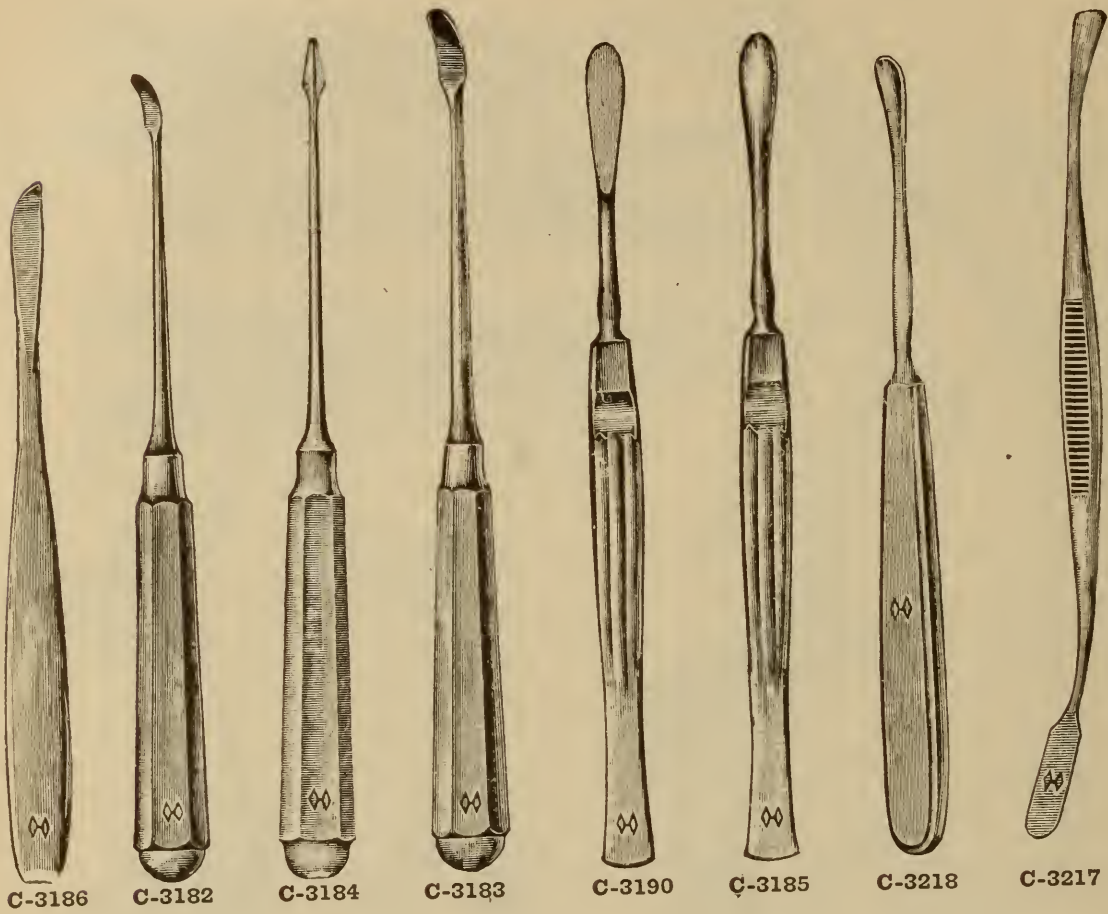
## SPECULUMS FOR SUBMUCOUS RESECTIONS

C-3238	Good's, self-retaining .....	\$1.75
C-3239	Hurd's, one long and one short blade, steel.....	2.50
C-3240	Killian's, latest, made of tempered steel, very thin blades, 3 sizes, 2, 2½ and 3 inches long, each.....	3.50
*C-3242	Metzenbaum's .....	3.25
*C-3244	Mosher's, with 2 sets of wire blades.....	3.00
C-3248	Murphy's, latest model.....	2.50
C-3247	Patton's, all steel, 2 sizes, 1 and 2-inch blades.....	1.50

## SEPTUM SPLINTS

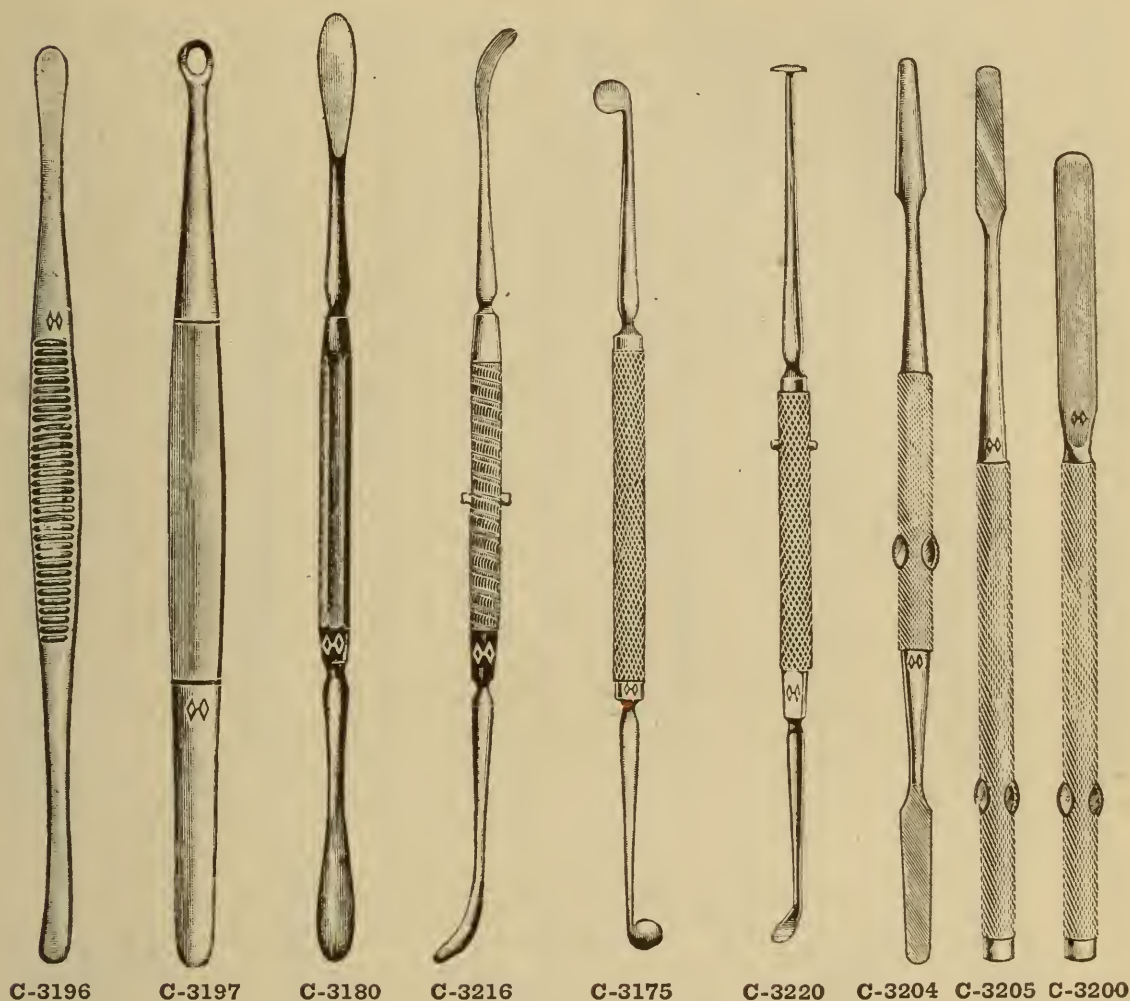
C-3252	Andrews' .....	\$0.75
C-3253	Cork, round, each.....	.60
C-3255	Douglass', hard rubber, 3 sizes, each.....	1.00
C-3260	Farrell's, metal, 6 sizes, each.....	.90
C-3265	Kyle's, metal, perforated, 5 sizes, each.....	.65
C-3266	Kyle's, metal, perforated, extra long, 5 sizes, each.....	.70
C-3270	Mayer's, hard rubber, 6 sizes, each.....	.60
C-3275	McKernon's, hard rubber, 6 sizes, each.....	1.00
C-3276	Tampons, Simpson's, Bernay's Sponge, 2 sizes, per box of 4 dozen.....	.90

NASAL INSTRUMENTS





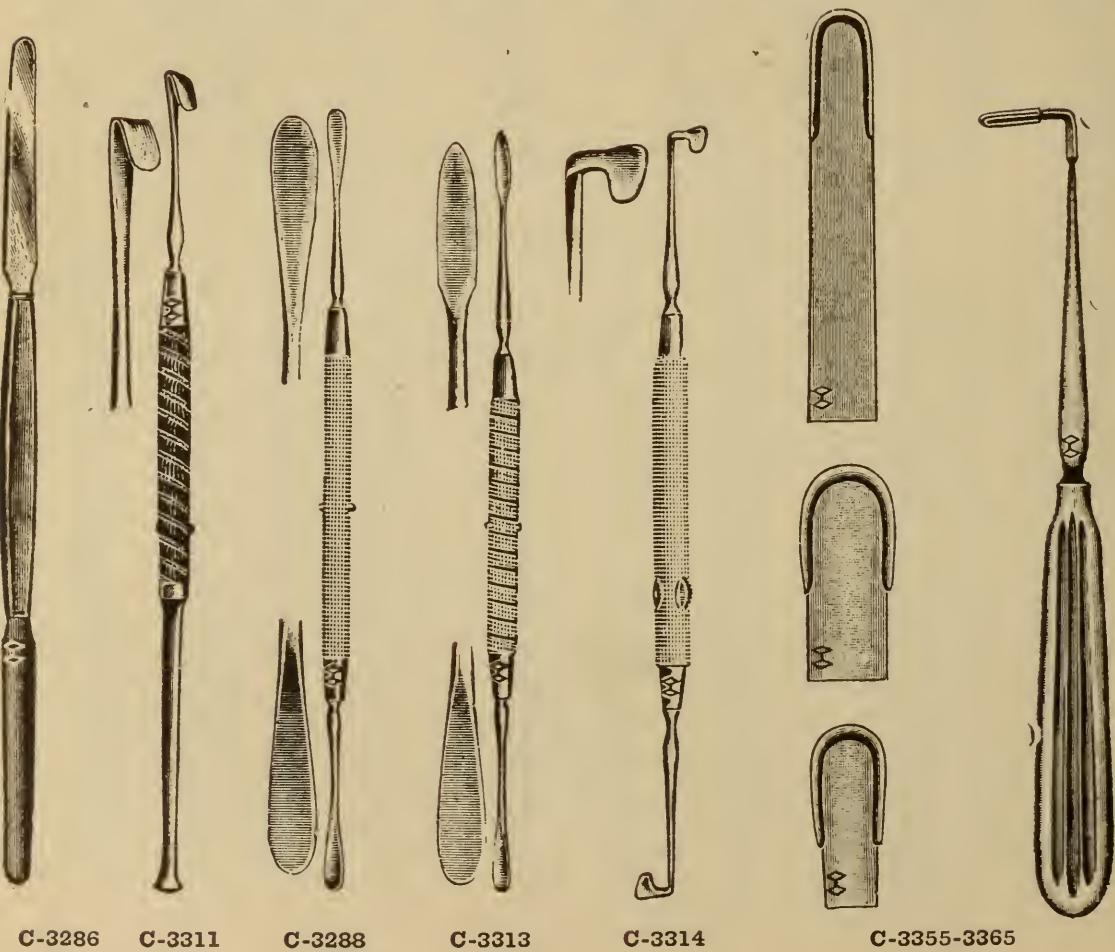
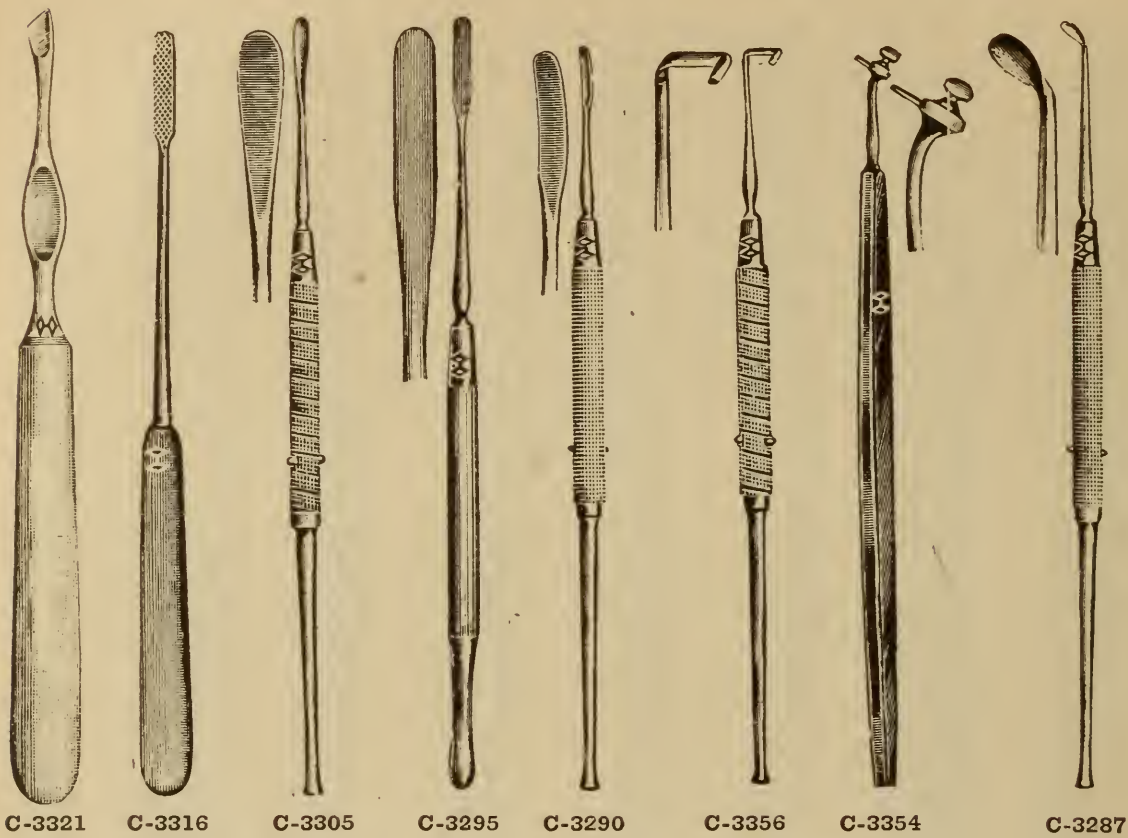
## NASAL INSTRUMENTS



## DISSECTORS AND ELEVATORS

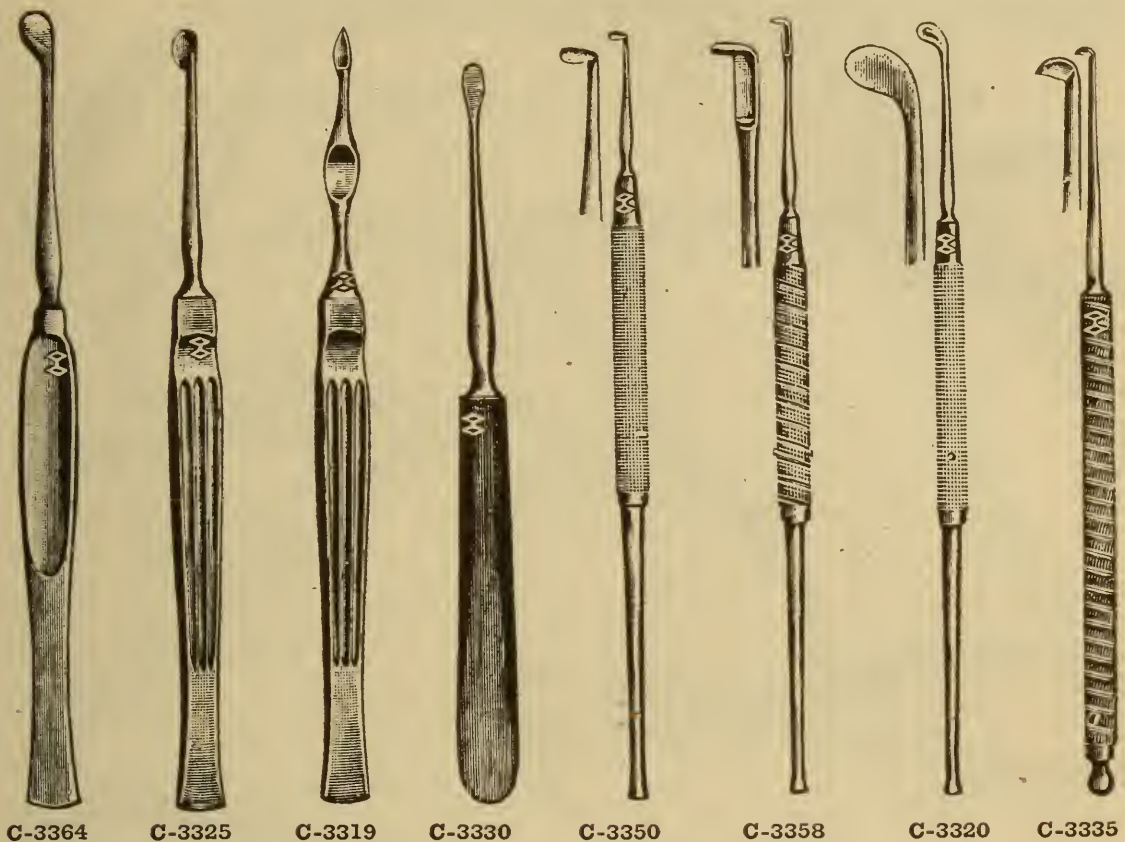
C-3182	Abraham's, narrow.....	\$1.50
C-3183	Abraham's, wide.....	1.50
C-3184	Abraham's, flat on one side, triangular on other, sharp edges, semi-blunt point .....	1.75
C-3186	Asch's .....	1.25
C-3190	Ballenger-Hajek's, semi-sharp.....	1.50
C-3185	Ballenger-Hajek's, blunt.....	1.50
C-3180	Ballenger-Hajek's, double ended.....	1.80
*C-3215	Beck's, hoe and knife.....	2.25
C-3220	Brown's, dissector and hoe.....	1.85
*C-3195	Freer's, double, blunt and sharp.....	2.00
C-3196	Hurd's, dissector, sharp and blunt, blunt end is copper, flexible.....	2.00
C-3197	Hurd's, separator and curette.....	2.50
C-3204	Killian's, new model, blunt and sharp.....	2.00
C-3205	Killian's, sharp.....	1.50
C-3200	Killian's, blunt.....	1.50
C-3210	Killian's, bayonet shape, right and left, each.....	2.35
C-3212	Killian's, set of 5 instruments with 1 handle.....	7.25
C-3175	Pierce's, sub-mucous dissector.....	2.25
C-3214	Purcell's, pereosteotome.....	2.40
C-3216	Roger's, dissector, semi-sharp.....	2.10
C-3217	Spratt's, dissector.....	1.75
C-3218	Yankhauer's, elevator, blunt.....	1.65
C-3219	Yankhauer's, elevator, hook shape.....	1.50

NASAL INSTRUMENTS





## NASAL INSTRUMENTS



## INSTRUMENTS FOR RESECTION OF THE NASAL SEPTUM

## ELEVATORS

C-3286	Blackwell's, flexible copper.....	\$2.50
C-3287	Freer's, angular .....	1.75
C-3288	Freer's, double end, sharp and blunt.....	2.50
C-3305	Freer's, L, sharp .....	1.50
C-3310	Freer's, M, blunt .....	1.50
C-3290	Freer's, X, short, sharp.....	1.50
*C-3291	Freer's, X, short, blunt.....	1.50
C-3295	Freer's, Y, long, sharp.....	1.50
*C-3296	Freer's, Y, long, blunt.....	1.50
C-3311	Goldstein's, blunt .....	2.00
*C-3312	Goldstein's, sharp .....	2.00
C-3313	Haseltine's, with knife.....	2.00
C-3314	Thomsen-Von Colditz's.....	2.50

## FILE

C-3316	Good's, septum .....	2.50
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## HOOKS

*C-3315	Freer's, U, double, sharp.....	1.50
*C-3317	Killian's, angular, sharp.....	1.50
*C-3318	Killian's, angular, blunt.....	1.50

## KNIVES

C-3319	Ballenger's, mucosa .....	1.50
C-3321	Ballenger-Murphy's, septum .....	1.50
C-3320	Freer's, A .....	1.80
C-3325	Freer's, D .....	1.75
C-3330	Freer's, E .....	1.75
C-3335	Freer's, H .....	1.75
C-3350	Freer's, V .....	1.75
*C-3352	Freer's, I.....	1.75
C-3354	McCoy's .....	4.50
C-3356	Metzenbaum's .....	2.50
C-3358	Murray's .....	2.00
C-3364	Stein's .....	2.00

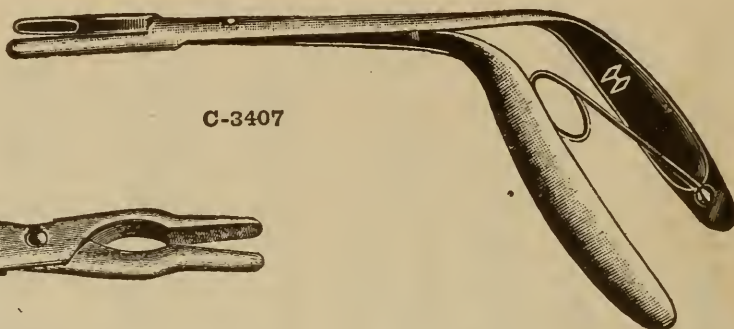
## RETRACTORS

C-3365	Freer's, Q, extra long.....	2.00
C-3355	Freer's, R, medium, 8 mm. ....	1.75
C-3360	Freer's, S, small, 6 mm. ....	1.75

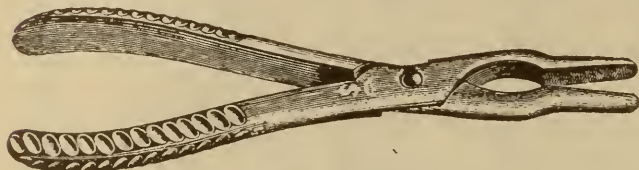
## NASAL INSTRUMENTS



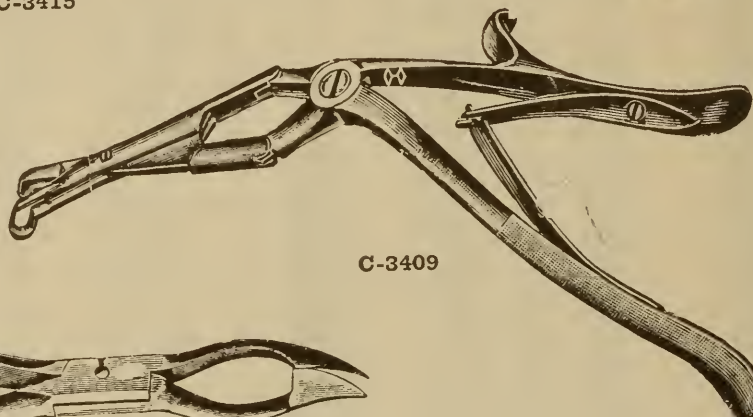
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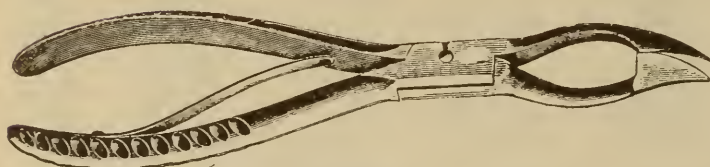
C-3407



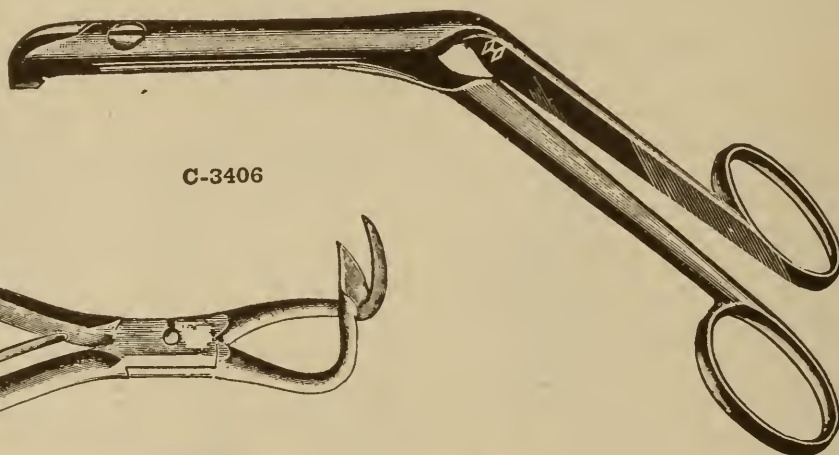
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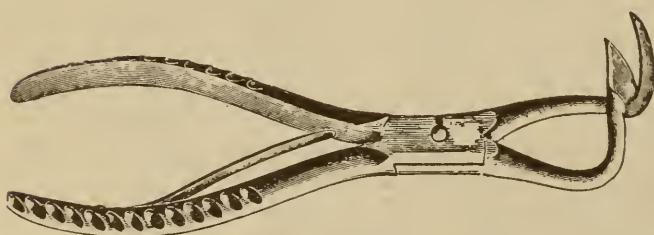
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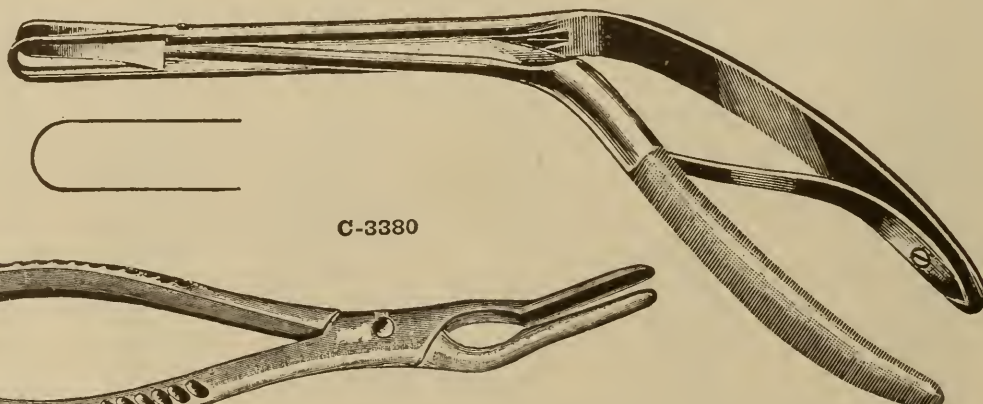
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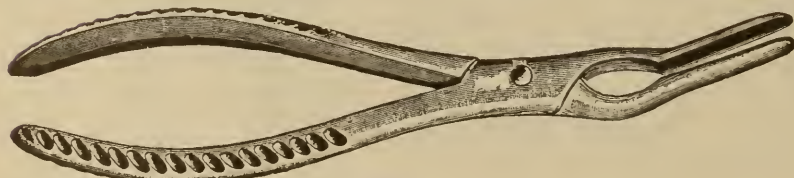
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C-3370



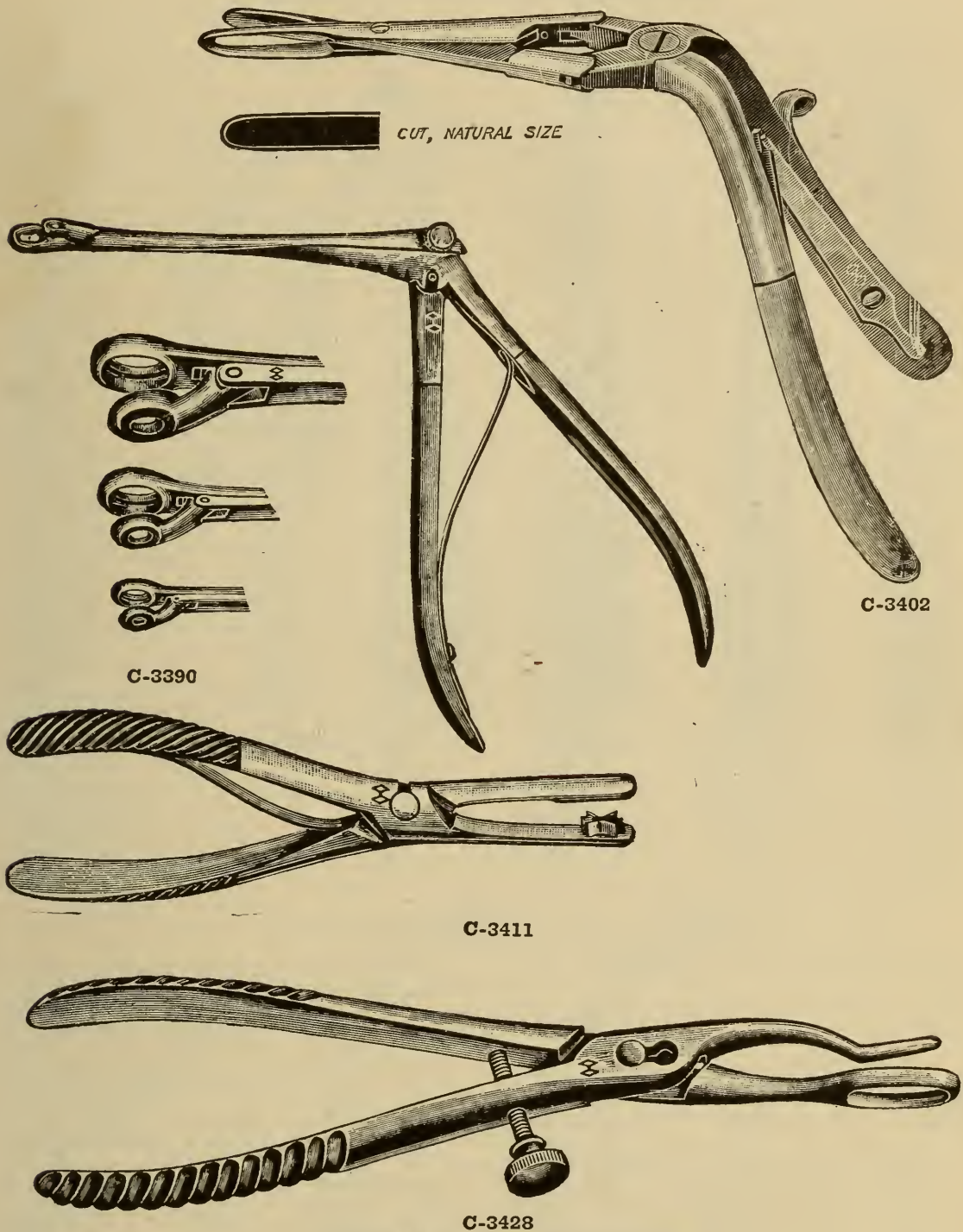
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C-3420



## NASAL INSTRUMENTS



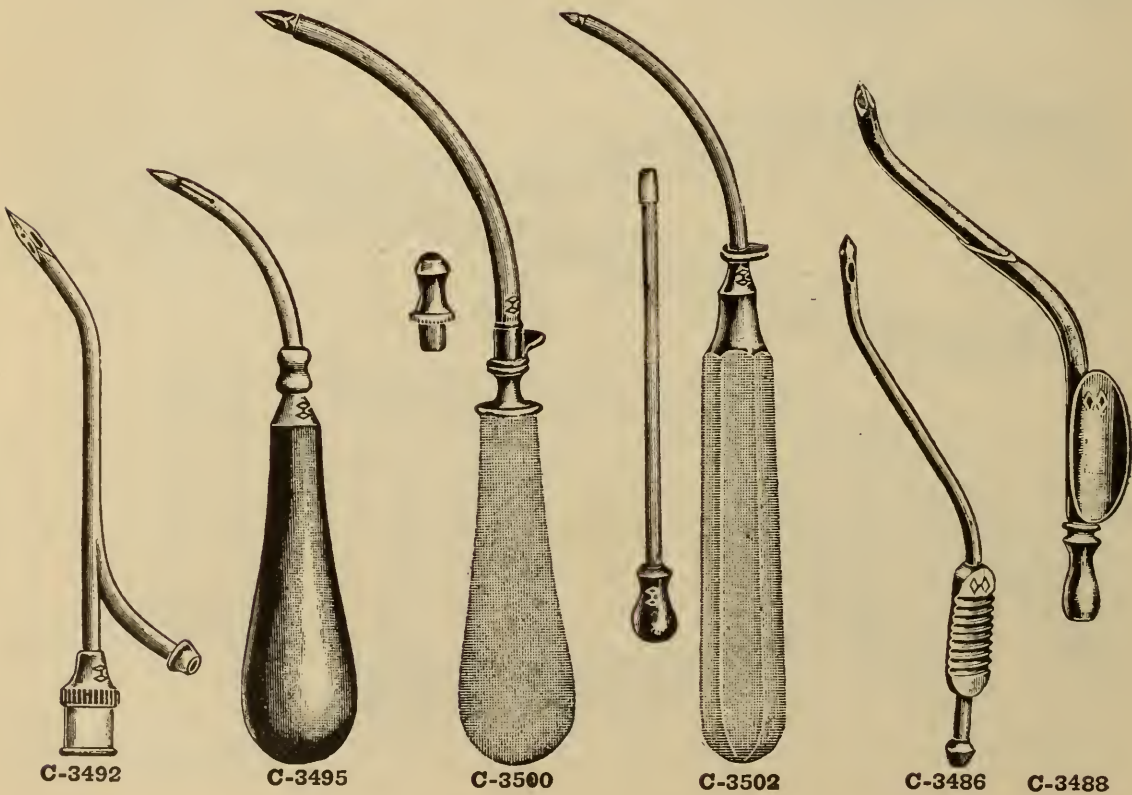
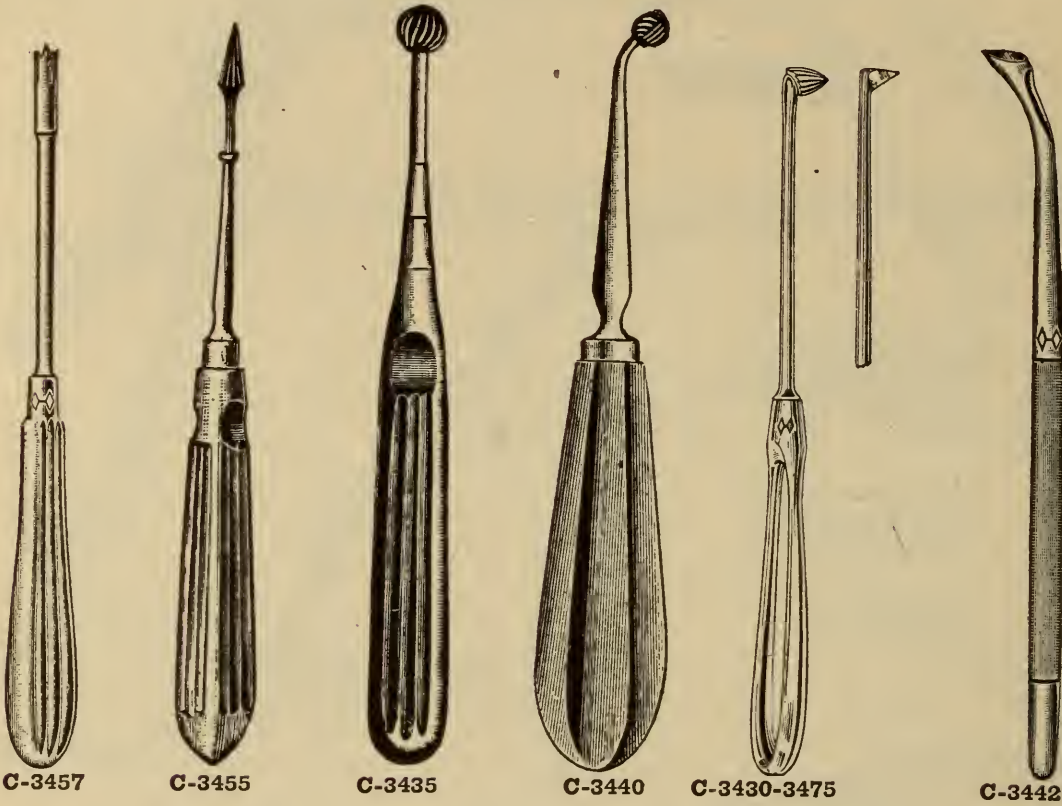
## SEPTUM CUTTING FORCEPS

C-3370	Asch's, angular	\$ 4.75
C-3375	Asch's, straight	4.50
C-3380	Ballenger-Foster's, for cutting perpendicular plate	9.75
C-3390	Freer's, 3 sizes, Figs. D, E and F, right and left, each	8.50
*C-3400	Hurd's, septal ridge	8.50
C-3402	Jansen-Middleton's, cross action cutting blades	14.25
*C-3403	Jansen-Middleton's, bent down (same as C-3409)	15.00
*C-3405	Jarvis'	6.00
C-3406	Lutz's, septal ridge	6.00
C-3407	McCoy's, straight	6.00
C-3408	McCoy's, curved	6.00
C-3409	Mial's, septal ridge	15.00
C-3411	Steele's	5.50

## SEPTUM STRAIGHTENING FORCEPS

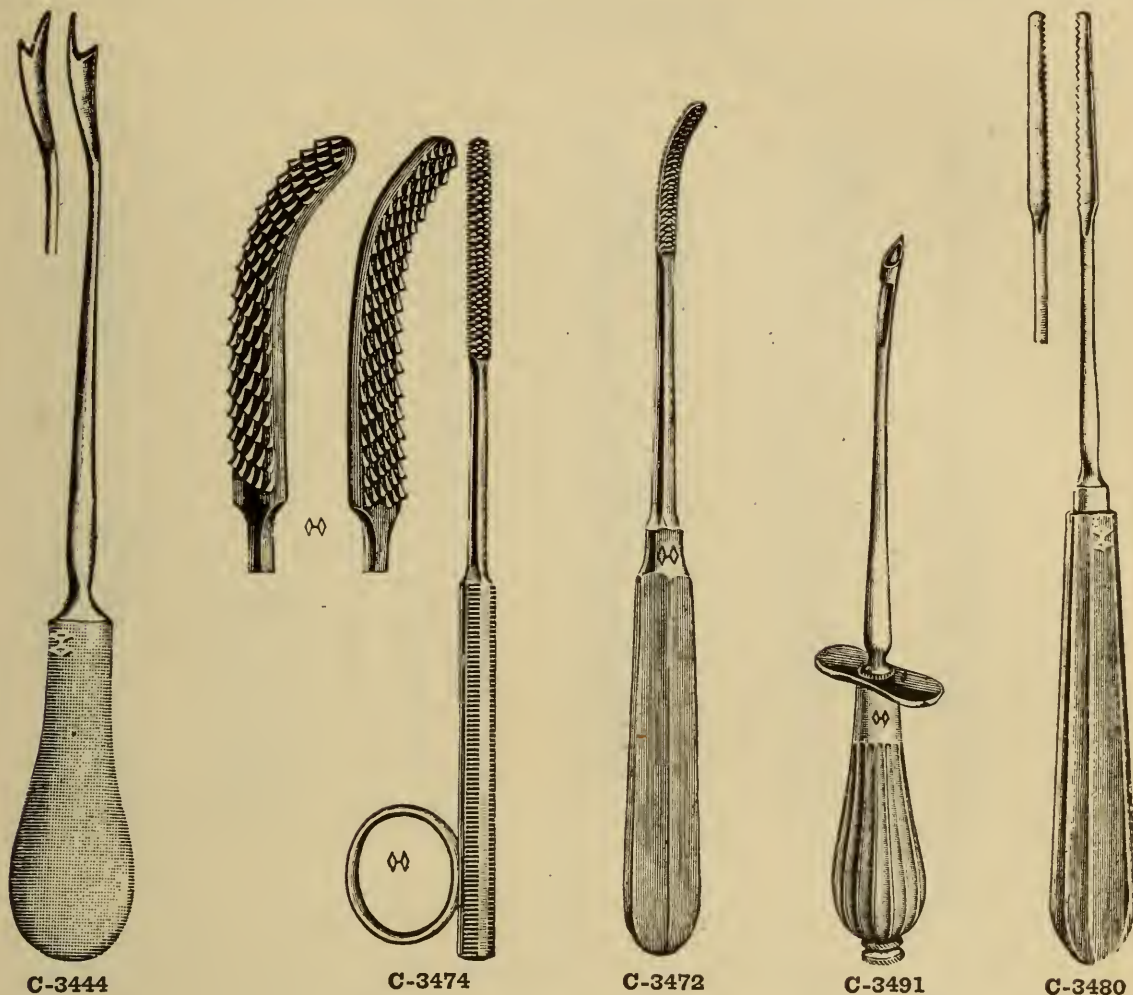
C-3415	Adams'	2.25
C-3420	Asch's	3.00
*C-3425	Kyle's	2.75
C-3428	Roe's, 2 sizes	6.00

ANTRUM INSTRUMENTS





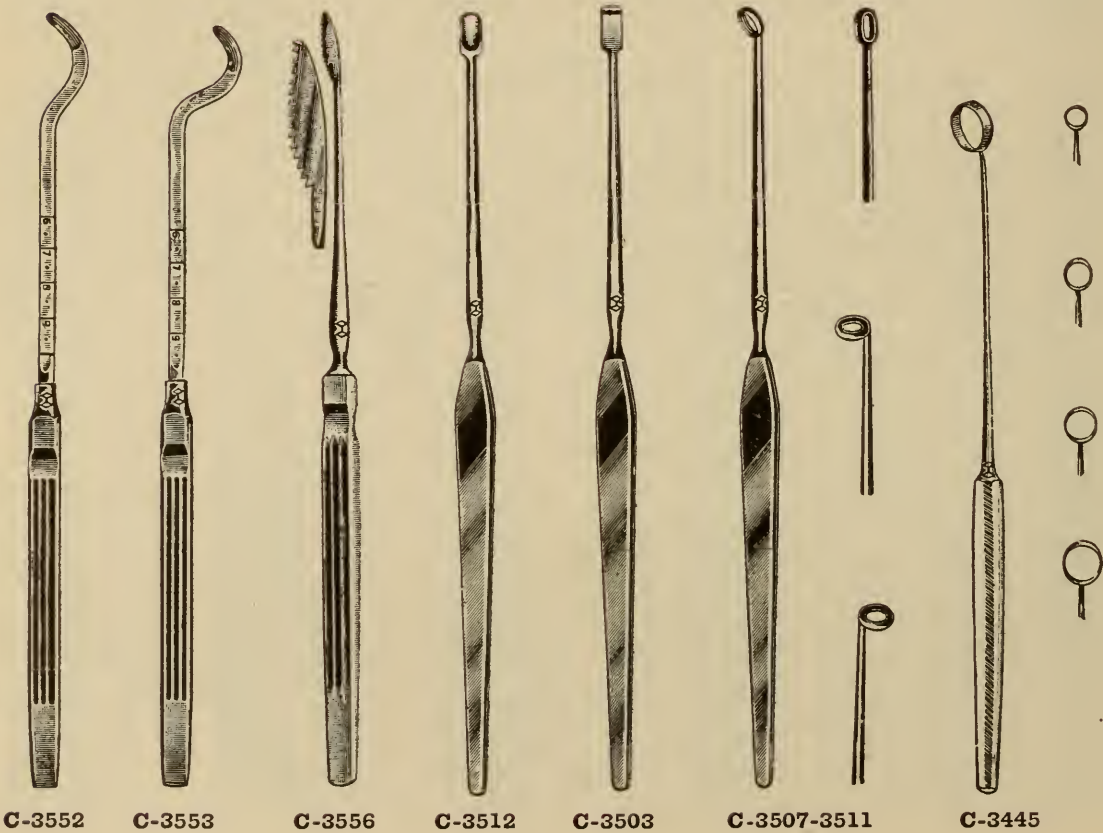
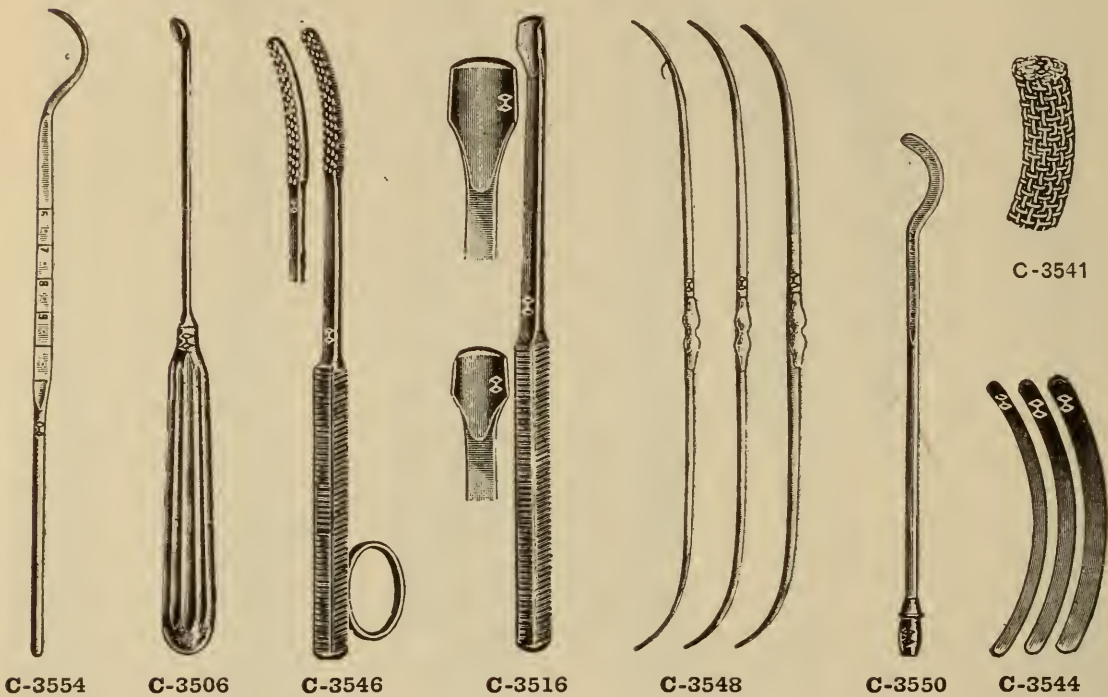
## ANTRUM INSTRUMENTS



## ANTRUM INSTRUMENTS

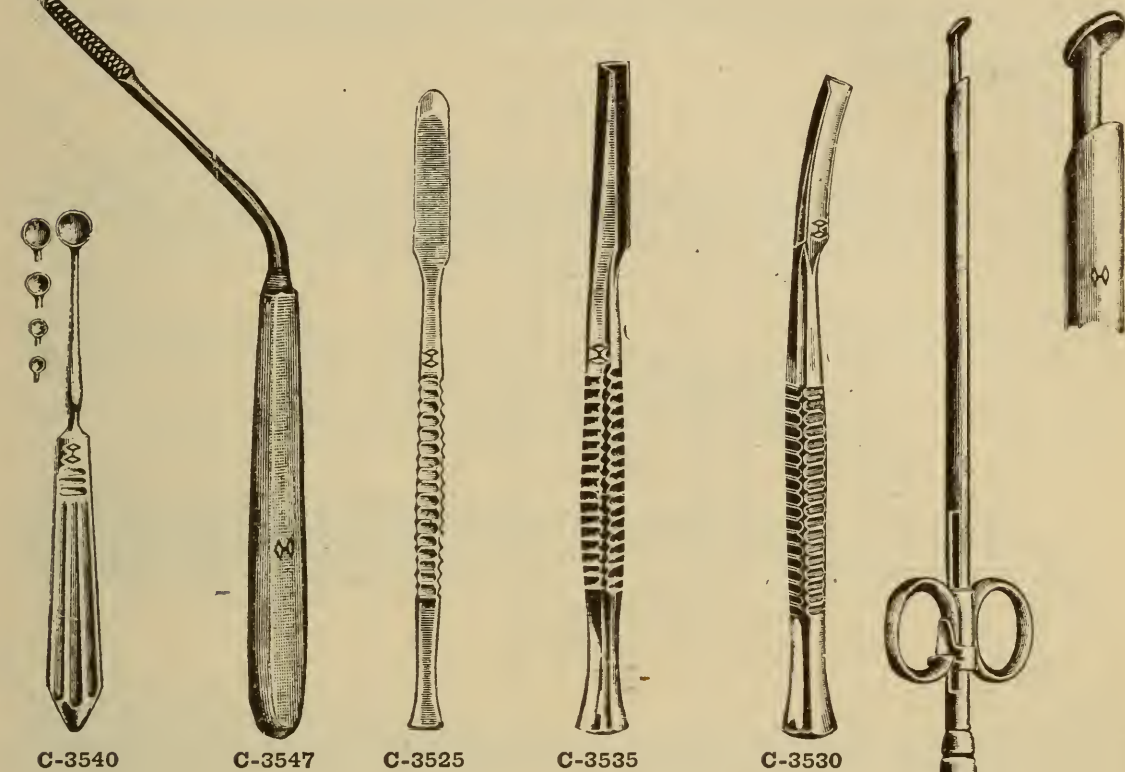
C-3430	Antrum Burr, Abraham's .....	\$3.00
C-3435	Antrum Burr, Ballenger's, 2 sizes, each.....	3.25
C-3440	Antrum Burr, Tilley's, curved, 3 sizes, each.....	3.25
*C-3441	Antrum Chisel, Corwin's, 2 sizes, each.....	2.00
C-3442	Antrum Chisel, Myles', sharp.....	2.50
C-3444	Antrum Chisel, Stein's, antro-turbinate, right and left, each.....	3.00
*C-3445	Antrum Curette, Myle's, flexible shank, 5 sizes, each.....	1.50
*C-3450	Antrum Drill, Boettcher's .....	3.00
C-3455	Antrum Drill, Hartman's .....	1.85
C-3457	Antrum Drill, Pope's, trephine.....	2.75
*C-3463	Antrum Knives, Andrews', right and left, each.....	2.00
*C-3465	Antrum Perforator, Mikulicz's .....	2.25
*C-3470	Antrum Perforator, Wellaminski's .....	2.40
C-3472	Antrum Rasp, Brawley's .....	2.50
C-3474	Antrum Rasp, Gallaher's, 3 patterns, straight concave and convex, each...	2.50
C-3475	Antrum Reamer, Abraham's .....	2.50
C-3480	Antrum Saw, Vail's, right and left, each.....	3.00
C-3486	Antrum Trocar, Douglass', combined with washing tube.....	2.25
*C-3487	Antrum Trocar, Fein's, 2 sizes, each.....	1.50
C-3488	Antrum Trocar, Gallaher's, with openings in trocar point.....	2.75
*C-3490	Antrum Trocar, Jurascz's .....	4.00
C-3491	Antrum Trocar, Killian's, new model.....	2.75
C-3492	Antrum Trocar, Krause's .....	3.50
C-3495	Antrum Trocar, Myles', latest .....	3.00
C-3500	Antrum Trocar, Pierce's .....	3.25
C-3502	Antrum Trocar, Robertson's .....	3.00

ETHMOIDAL, FRONTAL SINUS AND SPHENOIDAL  
INSTRUMENTS





ETHMOIDAL, FRONTAL SINUS AND SPHENOIDAL  
INSTRUMENTS



ETHMOIDAL

C-3503	Chisel, Griffin's.....	\$2.25
C-3506	Curette, Bellenger's, 2 sizes, each.....	2.00
C-3507	Curette, Griffin's, straight .....	2.25
C-3508	Curette, Griffins, half curved.....	2.25
C-3509	Curette, Griffin's, left side cutting.....	2.25
C-3511	Curette, Griffin's, right side cutting.....	2.25
C-3512	Gouge, Griffin's .....	2.25

C-3537

FRONTAL SINUS

C-3516	Chisel, Good's, 2 sizes, each.....	\$2.00
*C-3520	Chisel, Killian's, bayonet shape .....	1.80
C-3525	Chisel, Killian's, convex edge .....	1.80
C-3530	Chisel, Killian's, curved.....	1.80
C-3535	Chisel, Killian's, straight .....	1.80
C-3537	Chisel, Yankauer's, with guard.....	10.00
C-3539	Curettes, Coakley's, sinus, stiff shanks, 6 patterns, each.....	1.00
C-3540	Curette, Killian's, 5 sizes.....	1.50
C-3541	Drainage Tube, Good's, gold plated.....	1.50
C-3544	Protector, Good's, 3 sizes, each \$0.25; set.....	.60
*C-3545	Protector, Killian's.....	1.80
C-3546	Rasp, Good's, right and left, 2 sizes.....	2.50
C-3547	Rasp, Brawley's .....	2.50
C-3548	Sounds, Good's, copper, double ends, set of 3.....	2.50

SPHENOIDAL

C-3550	Canulae, Andrew's .....	1.50
C-3552	Knife, Andrew's, long curve.....	2.50
C-3553	Knife, Andrew's, short curve.....	2.50
C-3554	Probe, Andrew's.....	.60
C-3556	Rasp, Good's.....	2.50

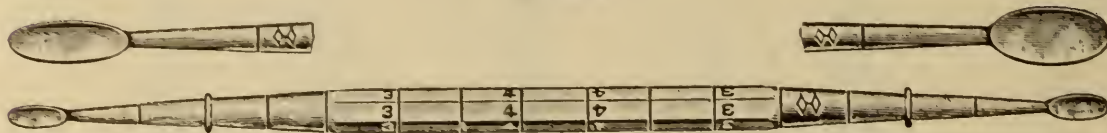
# ETHMOIDAL, FRONTAL SINUS AND SPHENOIDAL INSTRUMENTS



C-3540N



C-3540A



C-3540B



C-3540C



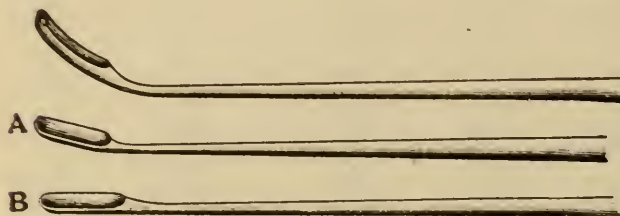
C-3540G



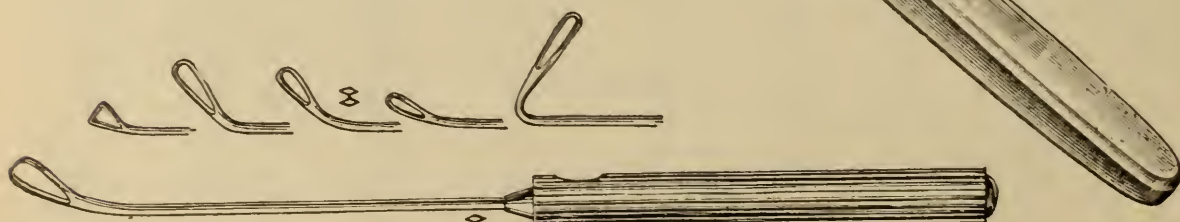
C-3540P



C-3540P



C-3540F-C-3540H

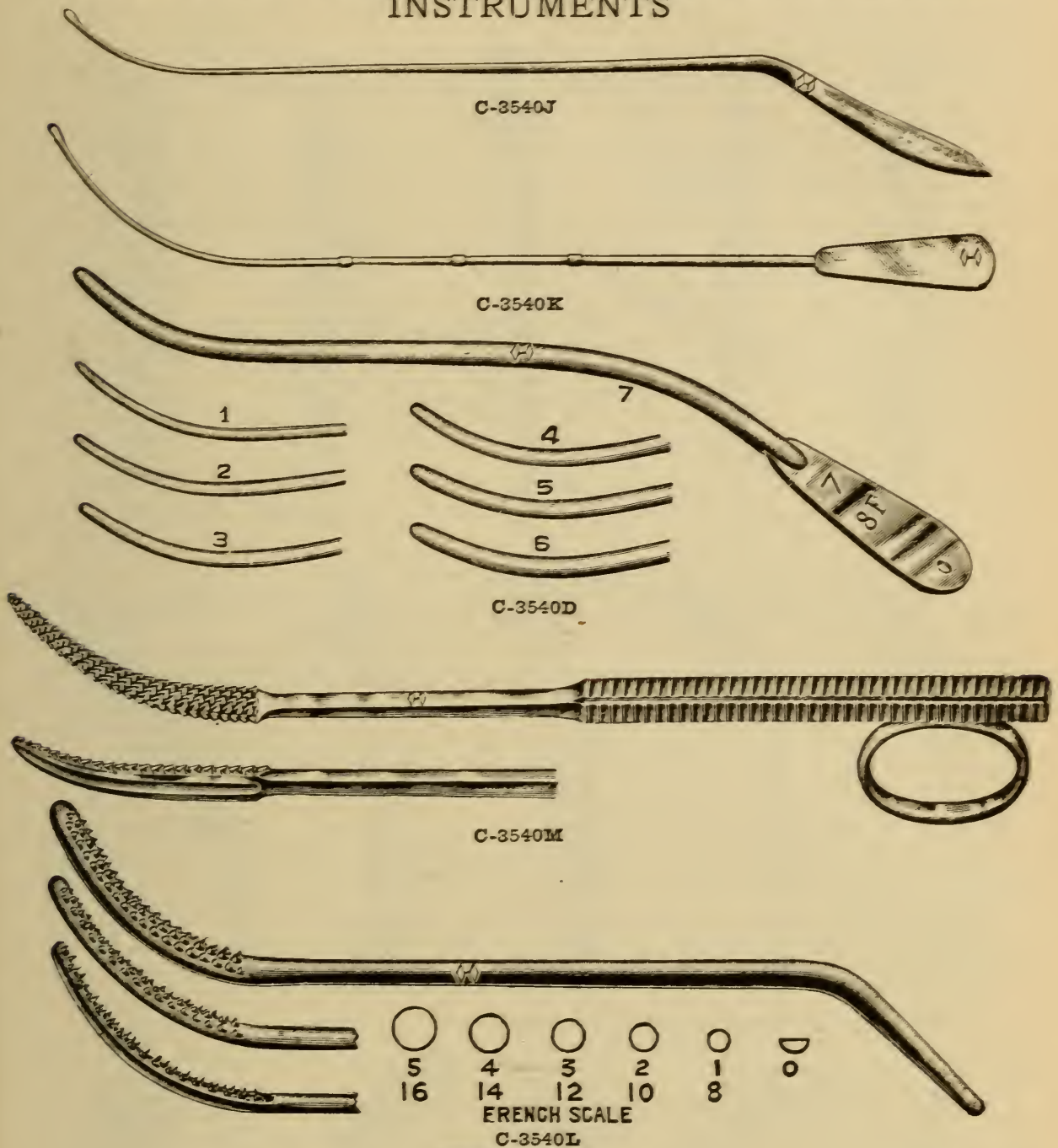


C-3540E

C-3540I



# ETHMOIDAL, FRONTAL SINUS AND SPHENOIDAL INSTRUMENTS



## ETHMOIDAL

C-3540A	Curette, Carmody's, irrigating, 2 sizes, each.....	\$4.00
C-3540B	Curette, Moshier's, original, double graduated.....	3.00
C-3540C	Curette, Moshier's, latest model.....	2.25

## FRONTAL SINUS

C-3540D	Bougies, Ritter's, 7 sizes, each.....	1.50
C-3540E	Curette, Coakley's, rigid shank, 6 styles, each.....	1.50
C-3540F	Curette, Dean's, Fig. A.....	2.50
C-3540P	Curette, Freer's, Figs. 2, 3, 4, and 5, each.....	2.50
C-3540G	Curette, Halle's, 2 styles, 1 cupped on concave, 1 cupped on convex, each.....	2.50
C-3540H	Curette, Kenavell's, Fig. B, straight.....	2.25
C-3540I	Curette, Rector's, latest model.....	2.50
C-3540P	Dilator, Freer's, flexible, Fig. 1.....	1.25
C-3540J	Probe, made of copper, \$0.75; made of silver.....	1.25
C-3540K	Probe, Skillern's, graduated, pure silver.....	1.25
C-3540L	Rasps, Sullivan's, 5 sizes, 8, 10, 12, 14 and 16, Fch. scale, and 1 half round, with flat upper surface. To be used with universal handle, each.....	1.50
C-3540M	Rasps, Thompson's, 2 models, ground on back for passing rasp over probe, each.....	2.50

## SPHENOIDAL

C-3540N	Burr, Grayson's.....	2.00
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# ANTRUM, ETHMOIDAL, SPHENOIDAL AND FRONTAL SINUS



C-3589



C-3591



C-3584



C-3586



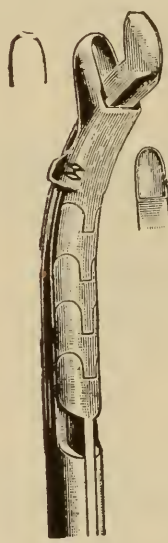
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C-3581



C-3582



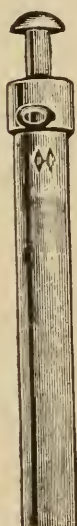
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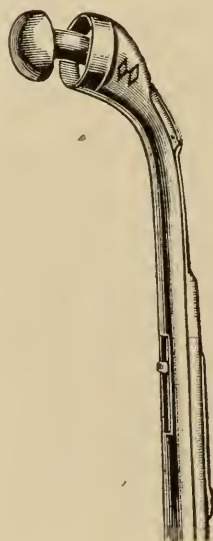
C-3588



C-3588A



C-3583A



C-3577A



C-3586A



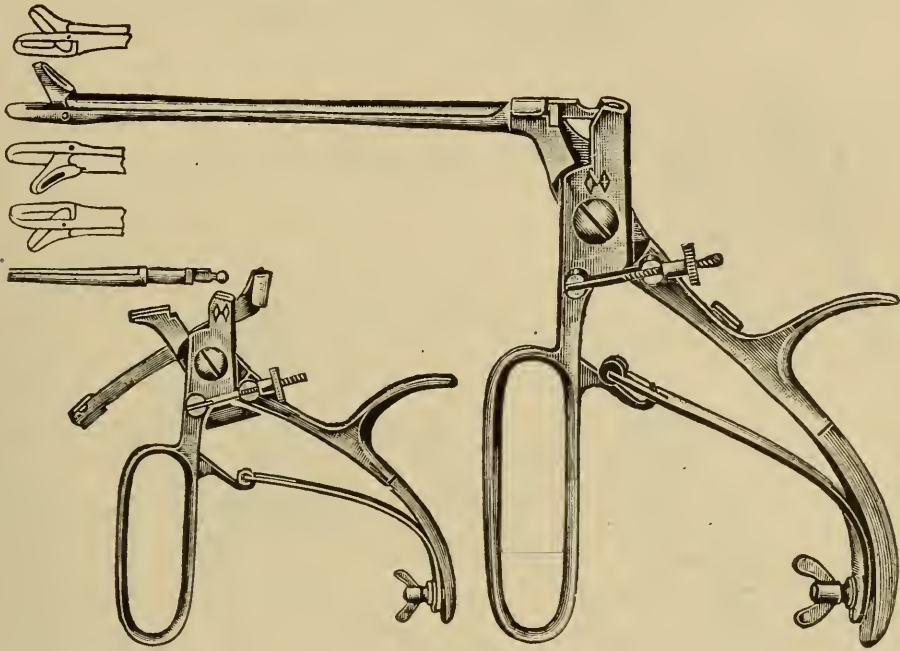
C-3577B



C-3578



# ANTRUM, ETHMOIDAL, SPHENOIDAL AND FRONTAL SINUS



C-3592

**PUNCHES—ANTRUM**

*C-3557	Ostrom's .....	\$10.00
*C-3558	Ostrom's, set of 2 punches, antrum and sphenoidal, 1 handle.....	17.50
*C-3561	Spiess', reversible .....	12.00
*C-3562	Wagner's, cutting forward .....	18.00
*C-3563	Wagner's, cutting backward .....	18.00
*C-3564	Wagner's, set of 2 forceps, with 1 handle.....	30.00

**PUNCHES—ETHMOID**

C-3566	Lange's .....	8.50
*C-3566A	Lange's, curved, with probe point.....	8.75
*C-3568	Myle's, clipper .....	7.25
*C-3571	Schmithuisen's, clipper .....	12.00

**PUNCHES—FRONTAL SINUS**

*C-3572	Prince's .....	\$12.50
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**PUNCHES—SPHENOID**

*C-3573	Cordes' .....	16.50
*C-3577	Ostrom's .....	10.00

Note—All punches listed above are made according to the originator's design and are complete as listed.

The following punches are made with the cutting portion of the blade as originally designed, but with the shank and shank extremity made to fit the Universal Handle:

**PUNCHES FITTING UNIVERSAL HANDLE  
ANTRUM**

C-3577A	Anderson's .....	\$ 9.00
C-3577B	Fletcher's .....	10.80
C-3578	Ostrom's, straight, reversible.....	7.80
*C-3579	Ostrom's, curved, reversible.....	8.10
C-3581	Speiss', curved.....	10.80
C-3582	Wagner's, cutting forward .....	10.80
C-3583	Wagner's, cutting backward .....	10.80

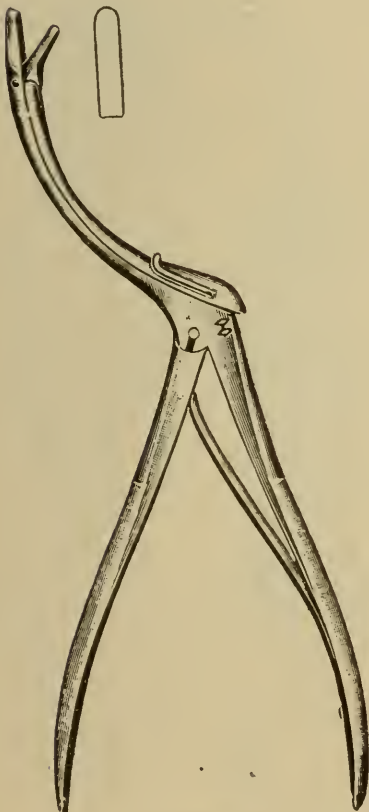
**ETHMOID AND SPHENOID**

C-3583A	Anderson's, sphenoidal.....	7.25
C-3584	Cordes', ethmoid .....	6.90
C-3586	Cordes', sphenoid .....	6.90
C-3586A	Fletcher's, ethmoid and sphenoid.....	9.60
C-3587	Gruenwald's, ethmoid, reversible.....	7.25
C-3588	Lange's, ethmoid, curved.....	7.50
C-3588A	Lange's, curved, with probe point.....	7.50
C-3589	Schmithuisen's, ethmoid and sphenoid, 4½ inches .....	8.75
C-3591	Schmithuisen's, ethmoid and sphenoid, 6¼ inches .....	9.25

Note—Prices quoted are for punches only. Handle is extra.

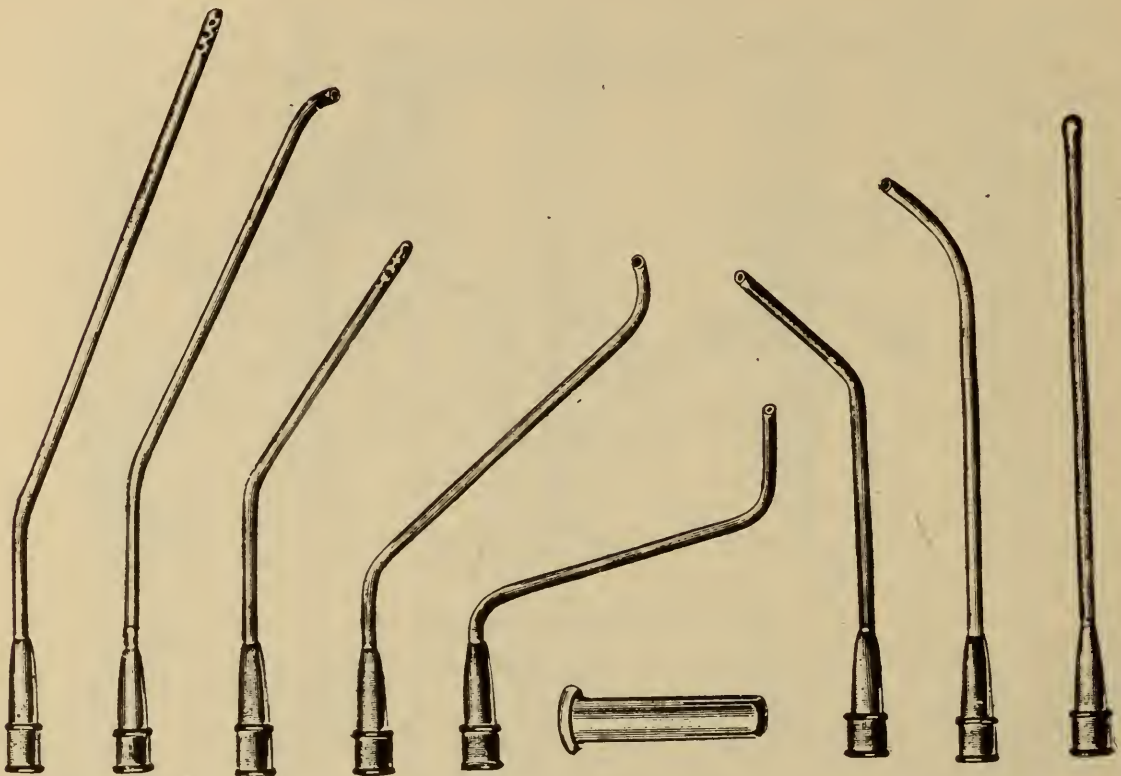
**UNIVERSAL HANDLE**

C-3592	Handle, fitting any of the punches listed above .....	7.25
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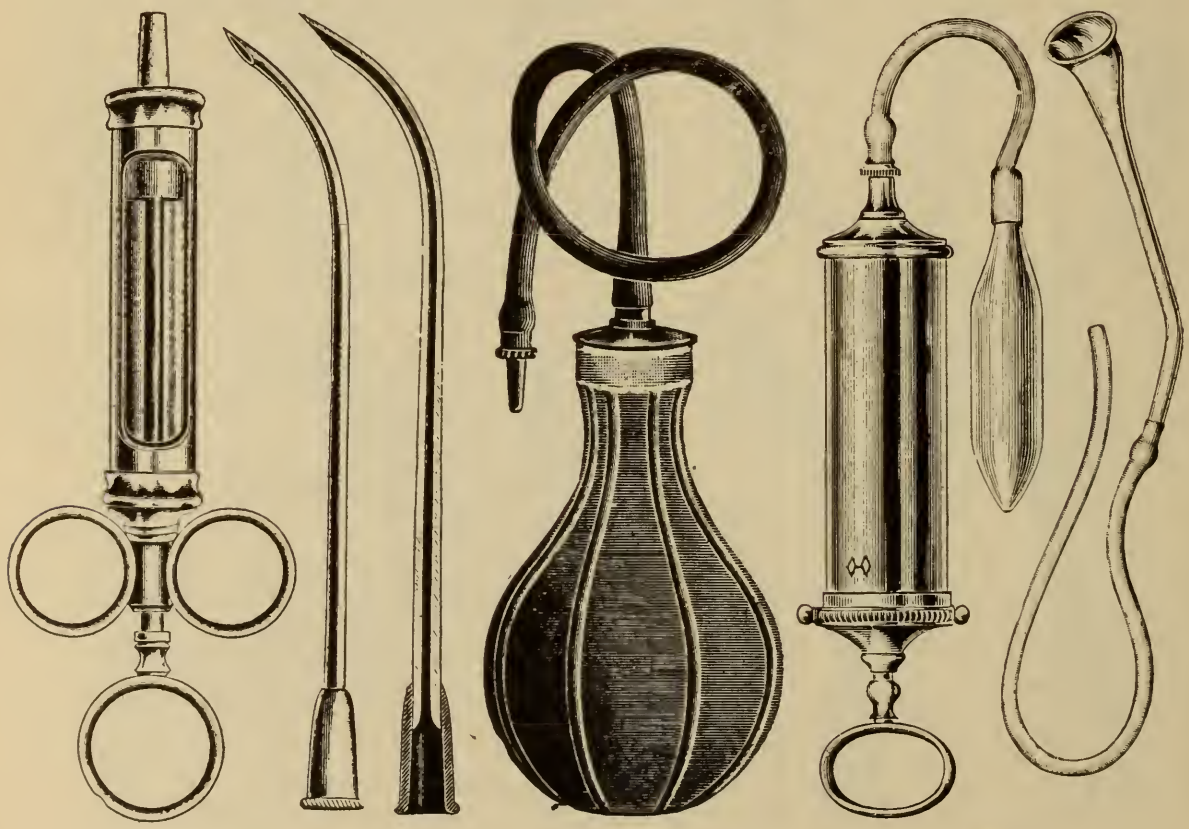


C-3566

ANTRUM, ETHMOIDAL, SPHENOIDAL AND  
FRONTAL SINUS



C-3585 C-3565 C-3590 C-3595 C-3600 C-3625 C-3580 C-3570 C-3605



C-3670 C-3665 C-3661

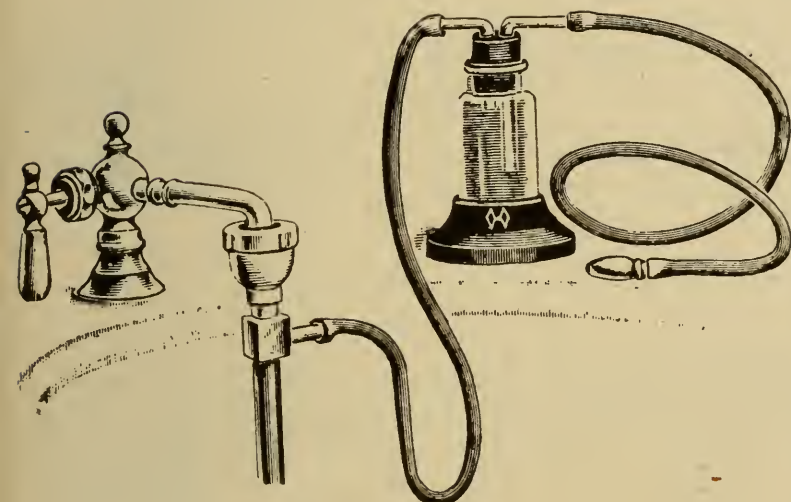


# ANTRUM, ETHMOIDAL, SPHENOIDAL AND FRONTAL SINUS

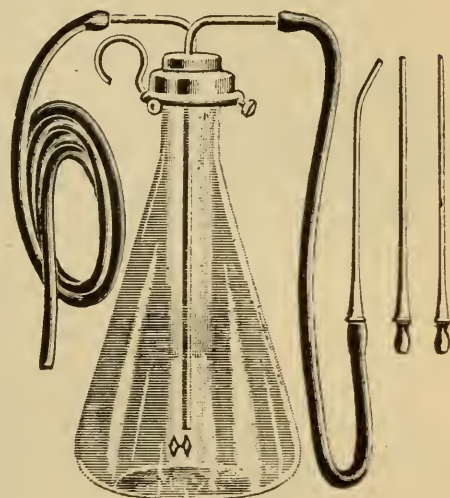


C-3605

C-3602



C-3662



C-3663

## CANULAE

C-3565	Bezold's, antrum, right and left, each.....	\$0.75
C-3570	Bresgen's, frontal sinus.....	.75
C-3575	Fish's, antrum, delicate.....	1.10
C-3580	Fraenkel's, antrum .....	.90
C-3585	Gruenwald's, frontal sinus.....	.90
C-3590	Gruenwald's, sphenoidal sinus.....	.90
C-3595	Hartman's, antrum .....	.90
C-3600	Hartman's, frontal sinus.....	.90
C-3602	Killian's, antrum .....	1.35
C-3605	Myles', antrum, 3 sizes, each.....	.90
C-3610	Myles', exploring.....	2.25

## DRAINAGE TUBES

C-3625	Hovell's, silver.....	1.65
*C-3640	Myles', soft rubber, 3 sizes, each.....	.20

## NEEDLES

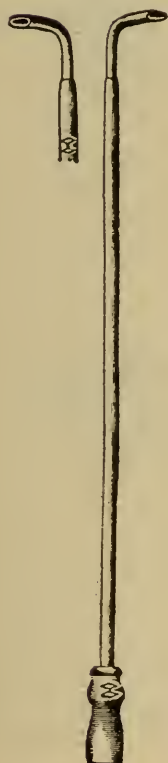
C-3654	Killian's right or left, each.....	1.20
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## SUCTION APPARATUS

C-3661	Beck's .....	4.50
C-3662	Brawley's .....	4.50
C-3663	Haskin's, complete with tubing and 3 silver tubes of different calibre.....	9.60

## SYRINGES

C-3665	Antrum, for use with washing canulae.....	2.00
C-3670	Antrum, Abraham's, with steel trocar needle	3.50
C-3675	Antrum, Collins' .....	1.25



C-3654

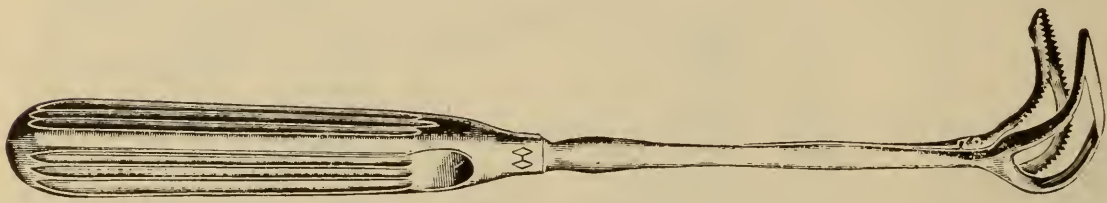


C-3610

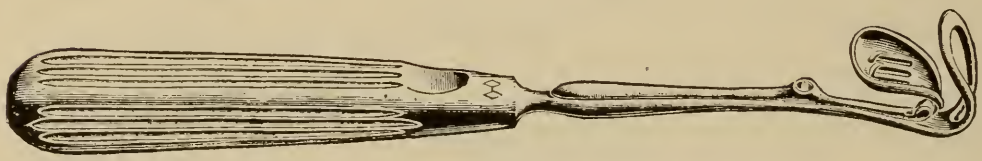
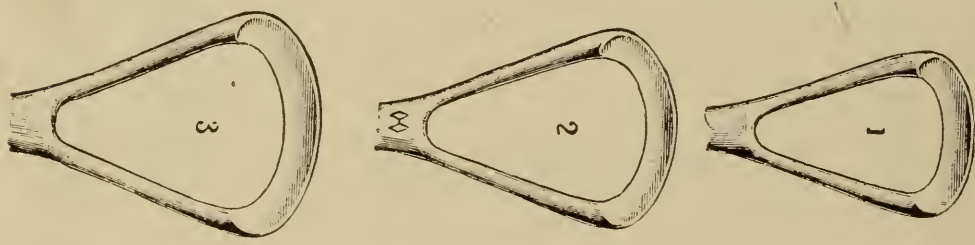
POST NASAL INSTRUMENTS



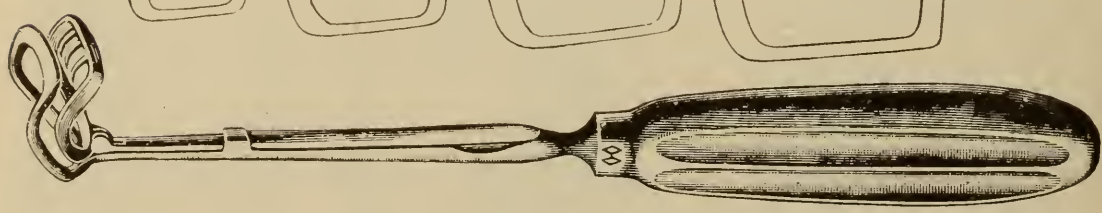
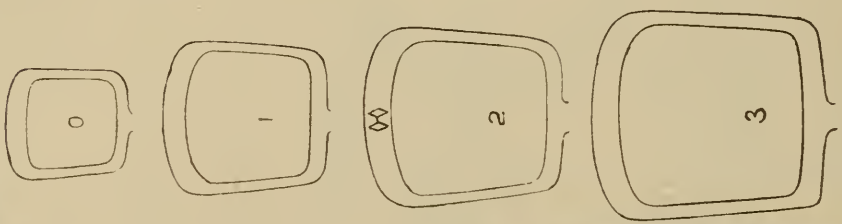
C-3715



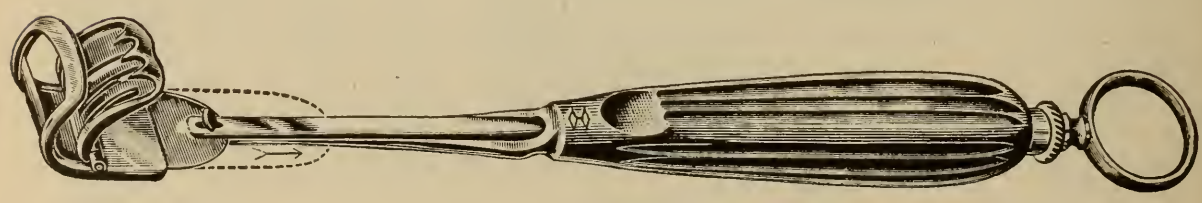
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C-3685



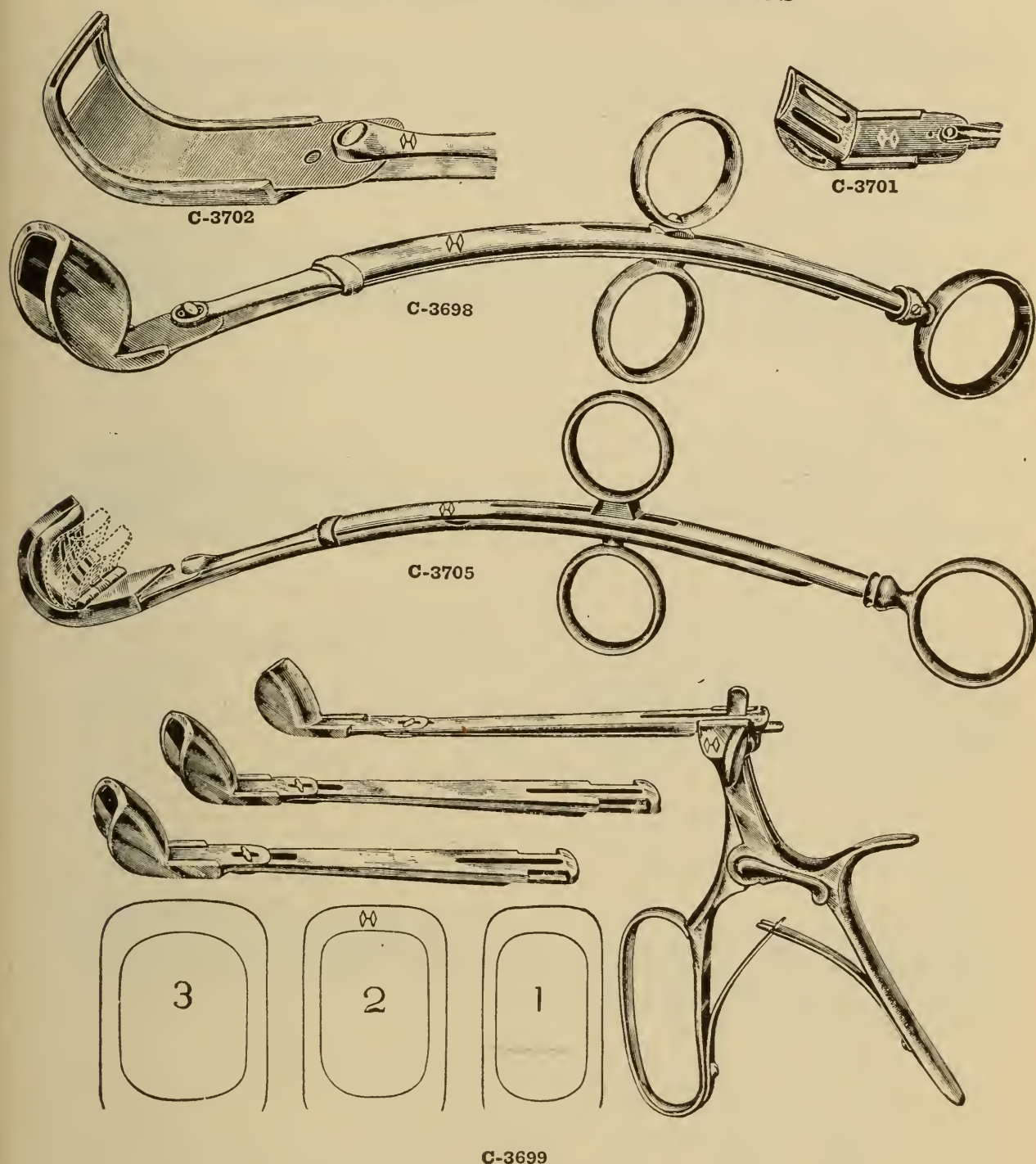
C-3705



C-3686



## POST NASAL INSTRUMENTS



C-3699

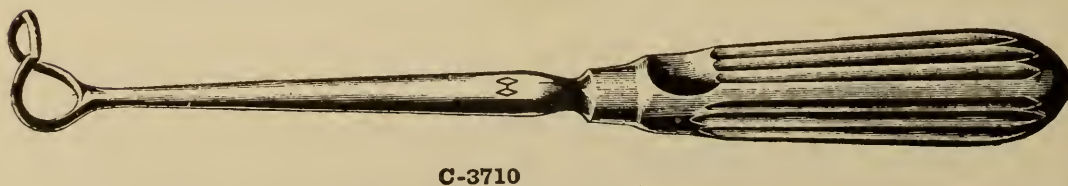
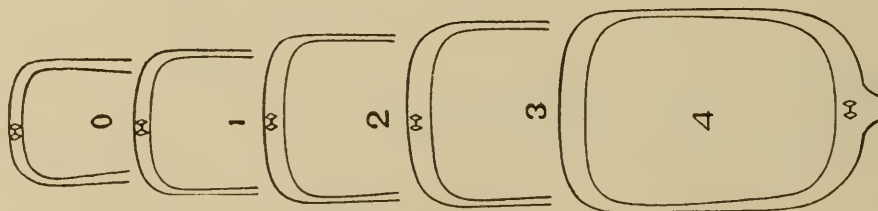
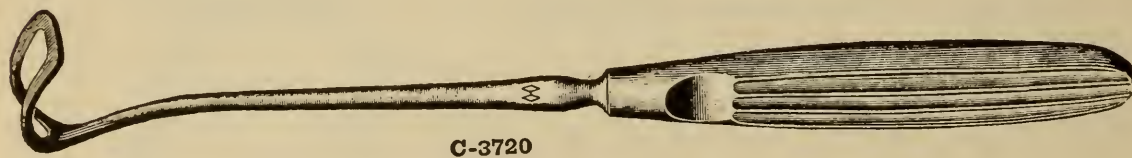
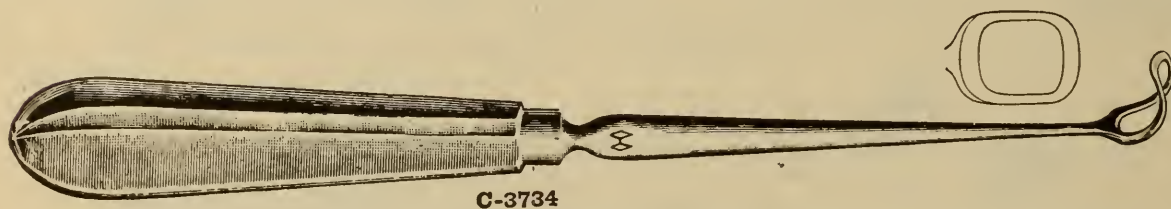
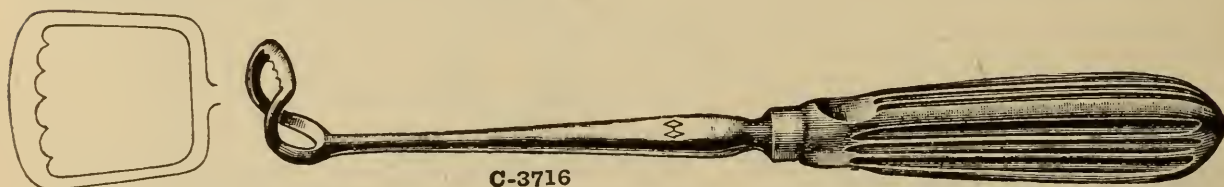
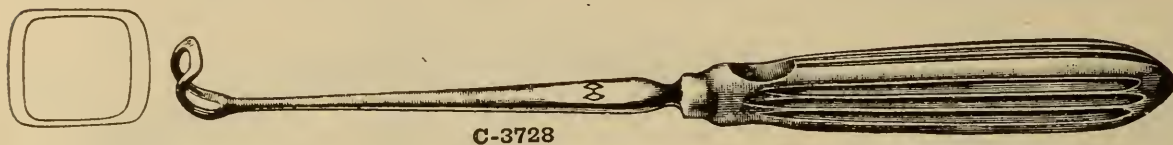
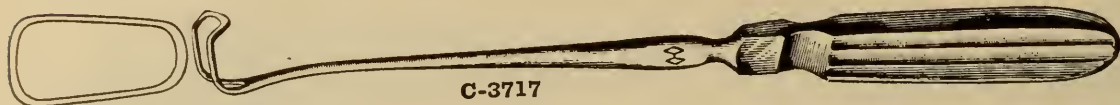
## ADENATOMES

C-3686	Collum's, arranged to cut downward as in a regular adenatome, with extra sliding blade for severing the remaining strands of tissue.....	\$11.00
C-3685	Delstanche's, 3 sizes, each.....	6.50
*C-3695	Gradle's .....	15.75
C-3698	La Force's, latest model, 3 sizes, each.....	12.00
C-3699	La Force's, set of 3 with universal handle, set.....	30.00
C-3701	La Force's, shape of box modified by Bane.....	12.00
C-3702	La Force's, modified by Reaves. Advocated for use with a shallow vault where adenatomes with a box cannot be introduced.....	12.00
C-3705	St. Clair Thompson's, 4 sizes, each.....	6.00
C-3706	Stevenson's, modification of La Force's.....	11.00
C-3707	Todd's, right and left, 2 sizes, each.....	6.50

## ADENOID CURETTES

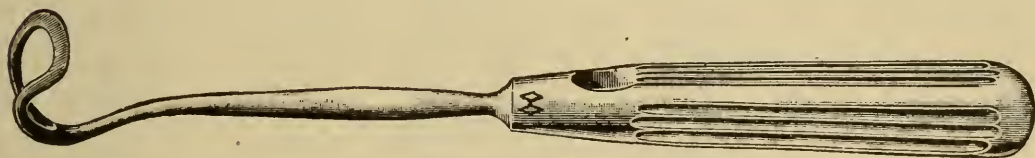
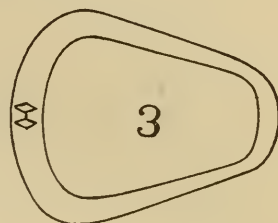
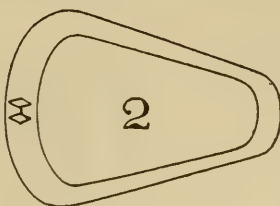
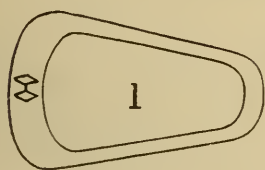
C-3715	Beckmann's, 4 sizes, each .....	2.50
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POST NASAL INSTRUMENTS

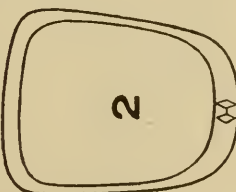
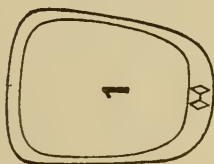




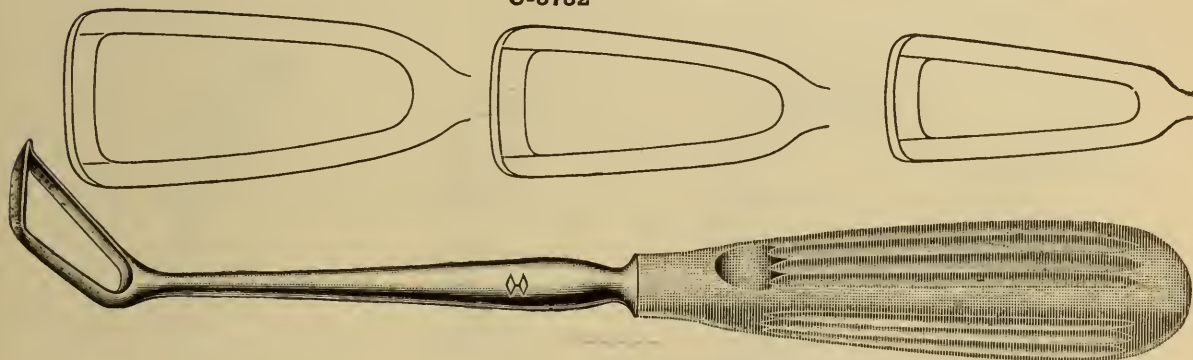
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C-3725



C-3732



C-3733

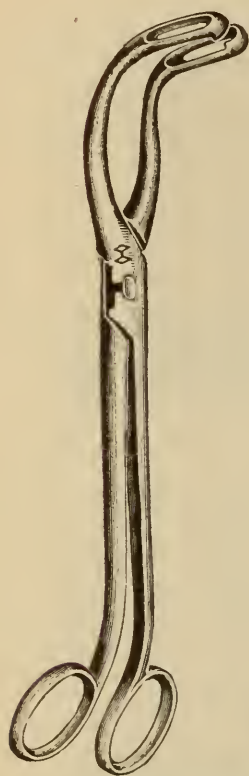
## ADENOID CURETTES

C-3710	Barnhill's, 5 sizes, each.....	\$2.50
C-3716	Beck's, with hollow ground, waved edge.....	4.00
C-3717	Boston's, for infants.....	3.00
C-3720	DéRoalde's, 4 sizes, each.....	3.00
C-3725	Gottstein's, 3 sizes, each.....	2.25
C-3728	Ingersoll's, 1 size, each.....	2.75
C-3730	Kirstein's, 3 sizes, each.....	2.50
C-3731	Royce's, 3 sizes, each.....	3.25
C-3733	Sluder's, 3 sizes, each.....	3.75

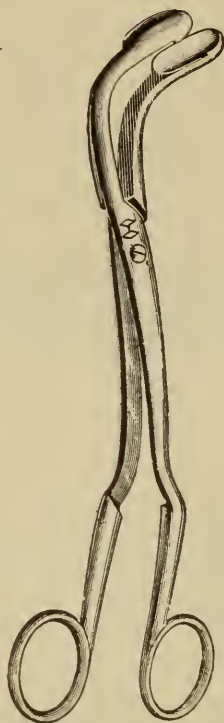
Designed for use in throats in which the distance between the hard palate and the rostrum of the sphenoid is much greater than average.

C-3732	Stubb's, 4 sizes, each.....	\$3.00
C-3734	Vogel's, for infants.....	2.75

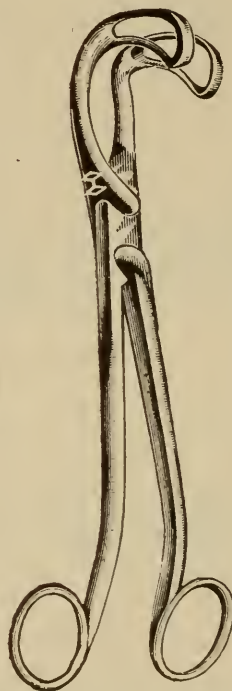
## POST NASAL INSTRUMENTS



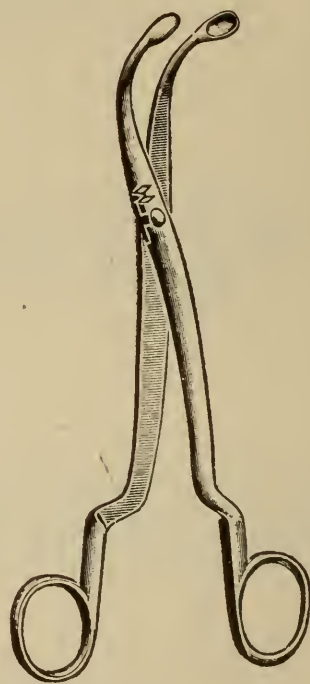
C-3770



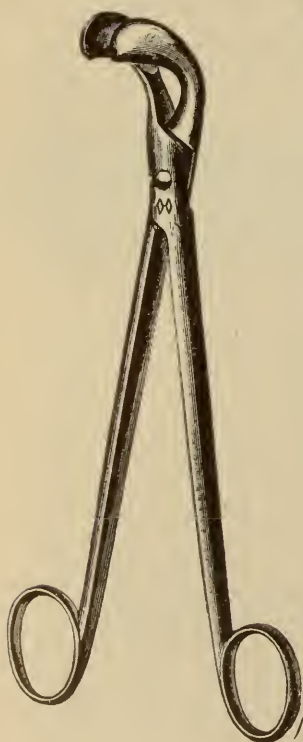
C-3795



C-3775



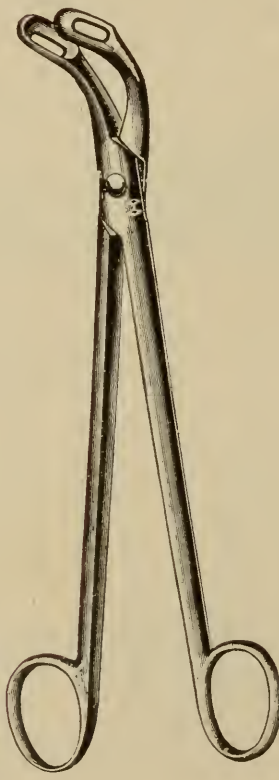
C-3780



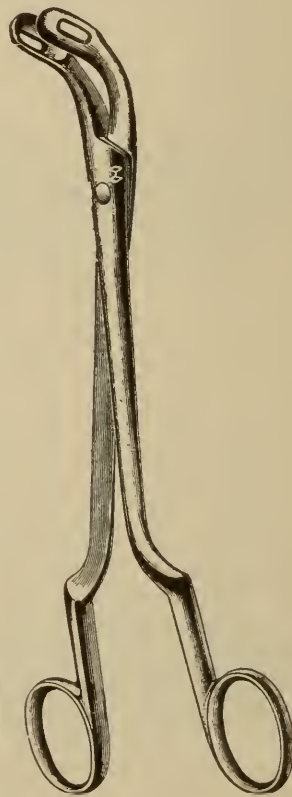
C-3760



C-3805



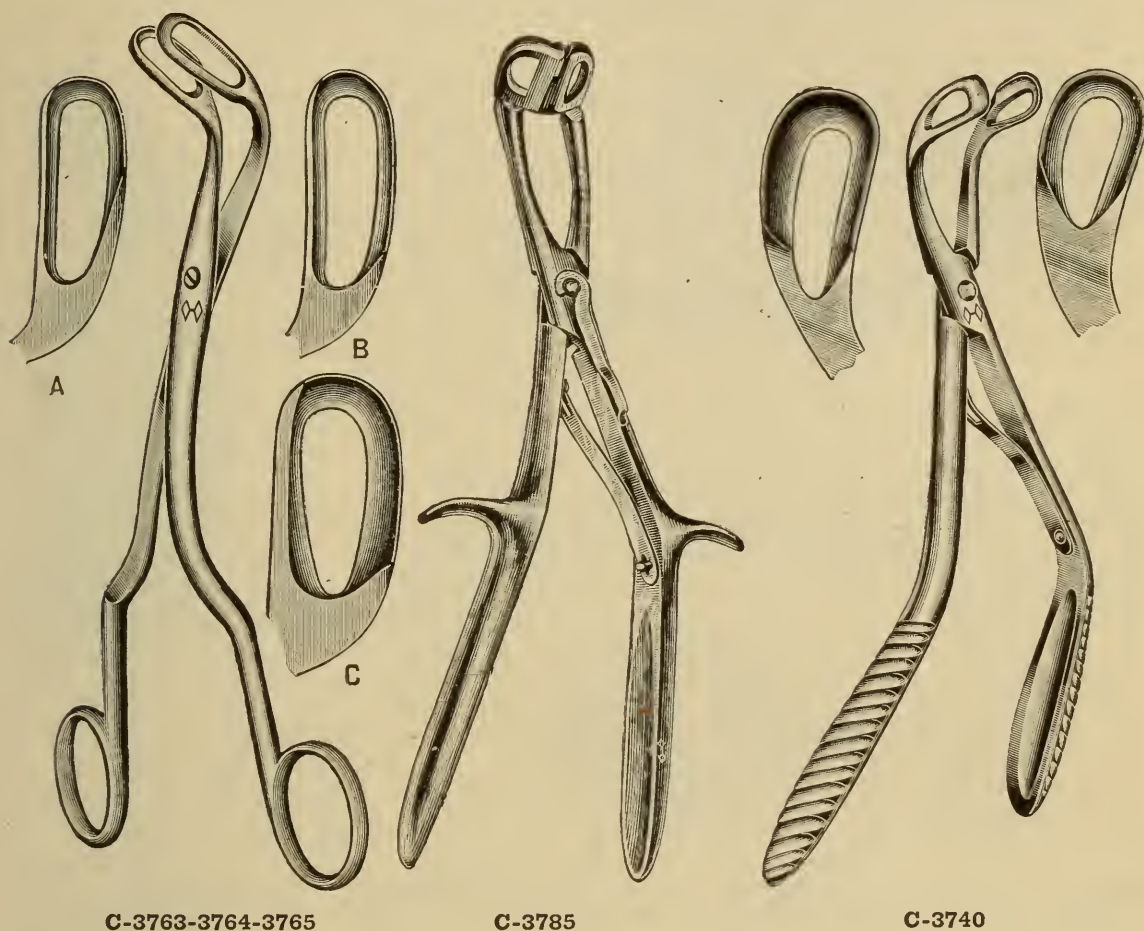
C-3802



C-3747



## POST NASAL INSTRUMENTS



## ADENOID CUTTING FORCEPS

C-3740	Brandegge's, 2 sizes, latest.....	\$6.75
*C-3745	Casselberry's .....	3.85
C-3747	Chatellier's .....	4.75
*C-3750	Cohen's, curette .....	3.50
*C-3755	Curtis' .....	3.50
C-3760	Doyen's, cutting .....	5.50
C-3763	French's, lymphoid, Fig. B.....	4.50
C-3764	French's, vault, Fig. A.....	4.50
C-3765	French's, latest, Fig. C.....	4.75
C-3770	Jurascz's, original pattern, 3 sizes, each.....	4.50
C-3775	Jurascz's, latest pattern, 2 sizes, each.....	4.50
C-3780	Lowenberg's, latest pattern.....	3.50
C-3785	McAuliff's .....	9.50
*C-3790	Meniere's .....	4.75
C-3795	Prince's, latest pattern.....	4.25
*C-3800	Quinlan's .....	3.75
*C-3762	Ritter's, cutting .....	4.50
C-3802	Ruault's .....	5.00

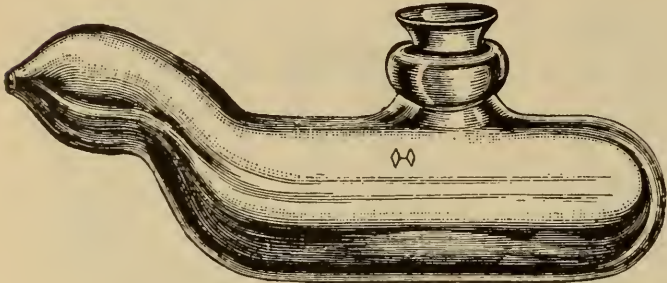
## ADENOID GRASPING FORCEPS

C-3805	Doyen's .....	\$4.75
*C-3810	Kathi's .....	3.00
C-3812	Stille's, sponge and dressing.....	2.50
*C-3815	Wagner's .....	3.50

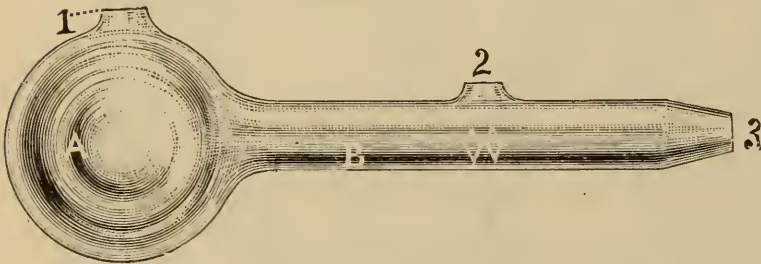


C-3812

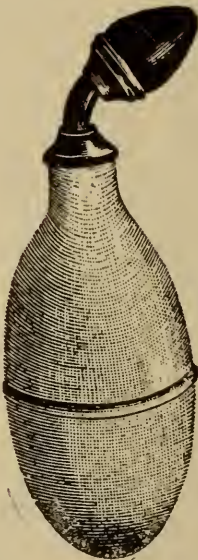
NASAL AND POST NASAL INSTRUMENTS



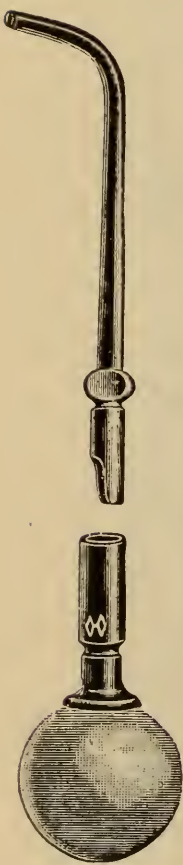
C-3820



C-3852



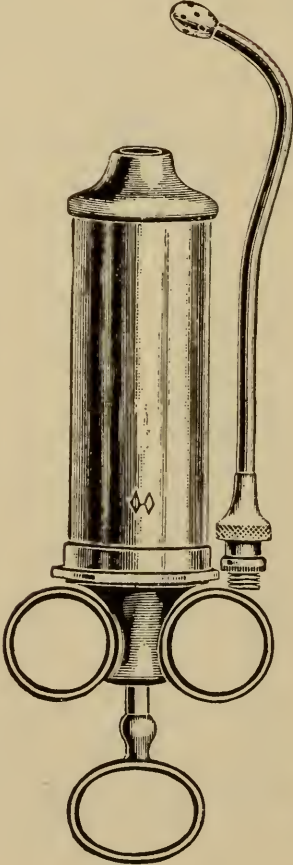
C-3830



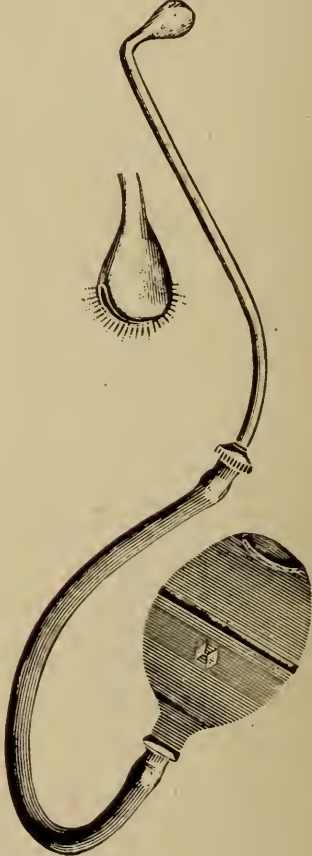
C-3875



C-3880-3885



C-3892



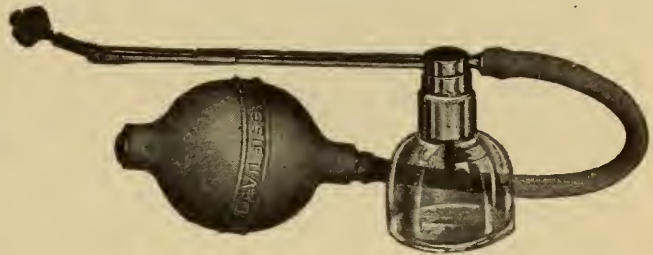
C-3835



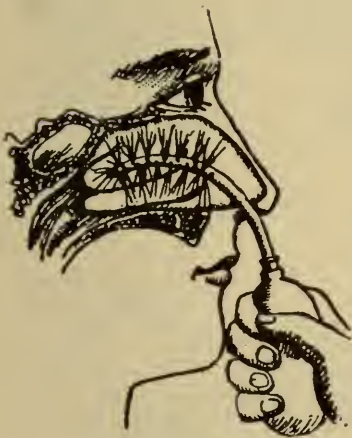
## NASAL AND POST NASAL INSTRUMENTS



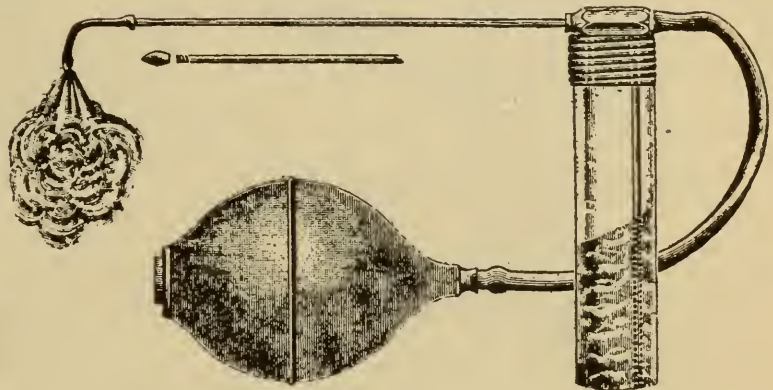
C-3854



C-3860



C-3845



C-3855

DOUCHES, INSUFFLATORS, SYRINGES  
DOUCHES

C-3820	Birmingham, glass .....	\$0.20
C-3830	Gem, pocket .....	.50
C-3835	Holmes', post nasal.....	1.50
C-3845	Success, with soft rubber perforated nasal tube.....	1.25
*C-3850	Warner's, post nasal.....	.90

## INHALERS

C-3852	Evans', pocket glass .....	\$0.60
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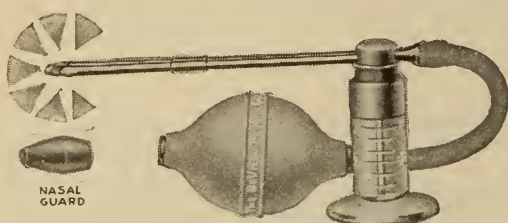
## INSUFFLATORS

C-3854	Atlas, No. 32.....	\$0.50
C-3855	Climax .....	1.50
C-3860	DeVilbiss', No. 36.....	1.00
C-3875	Scoop, hard rubber tube.....	.75

## SYRINGES

C-3880	Catarrhal, hard rubber, ½ oz.....	\$1.50
C-3885	Catarrhal, hard rubber, 1 oz.....	1.75
*C-3890	Cohen's metal .....	3.50
C-3892	Plain, post nasal, all metal, 2 oz.....	3.75

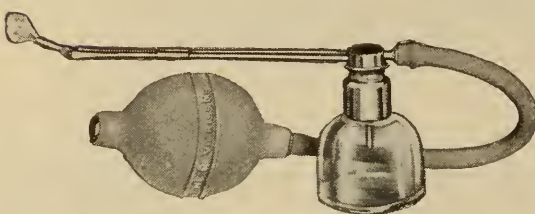
ATOMERS AND NEBULIZERS



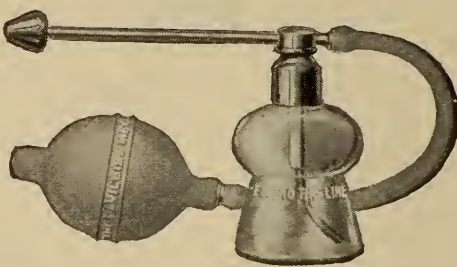
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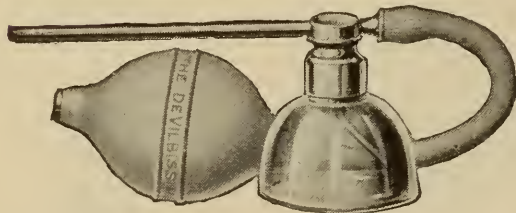
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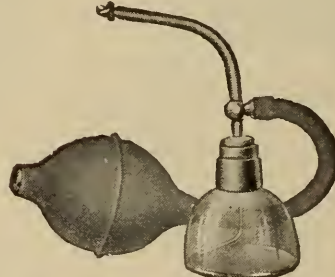
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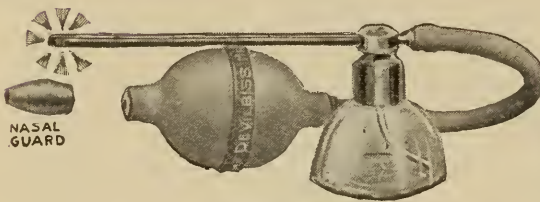
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No. 28



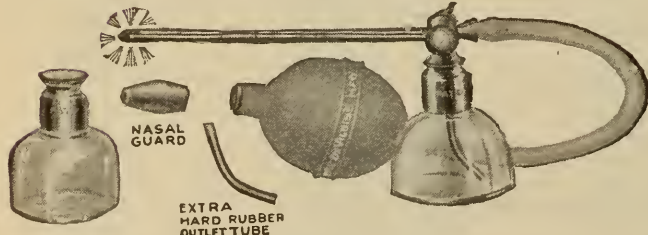
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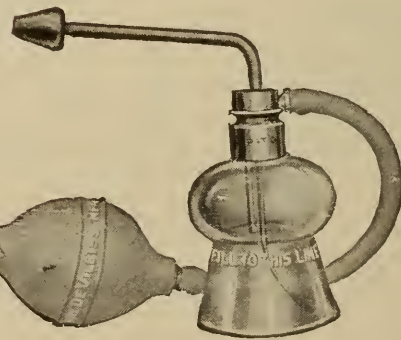
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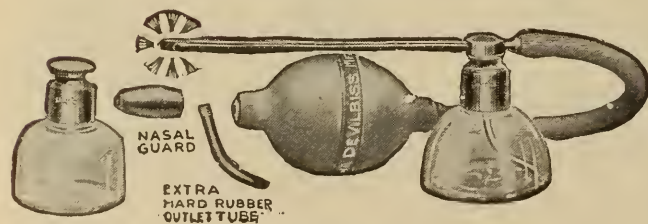
No. 29



No. 18



No. 22



No. 16



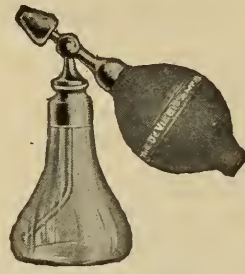
## DEVILBISS ATOMERS AND NEBULIZERS



No. 20 T R



No. 20



No. 30



No. 526



No. 90



No. 41



No. 49

## ATLAS SPRAYS

Atlas Nasal Spray, No. 20, for oil or water.....	\$0.60
Atlas Spray, No. 23, for oil or water.....	.85
Atlas Continuous Spray, No. 29, for oil or water.....	.75
Atlas Powder Blower, No. 32, single tube, diffuses powder perfectly.....	.60

## DeVILBISS ATOMERS

DeVilbiss Atomer, No. 12.....	1.50
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It is supplied with a one dram graduated bottle, especially designed for spraying expensive solutions or where only a few drops are used. Will spray oils or aqueous solutions in any direction and from any bottle or container. Can be sterilized by boiling.

DeVilbiss Atomer, No. 15.....	1.25
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This atomer is the same in action as the No. 16. It has one bottle, and a metal outlet tube only.

DeVilbiss Atomer, No. 16.....	1.50
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It will spray any liquid: oil, aqueous or alcoholic, in any direction desired, from any bottle or open container, has two bottles, is provided with extra hard rubber outlet tube for spraying corrosive solutions.

DeVilbiss Atomer, No. 18.....	2.00
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Has all of the qualities of No. 16, and in addition, is so constructed that a quarter turn of a thumb nut closes air and fluid tubes, making it non-spillable.

DeVilbiss Atomer, No. 22.....	1.00
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This atomer is a continuous spray for either oils or aqueous solutions. Can be inverted without spilling the contents.

DeVilbiss Atomer, No. 28.....	1.00
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Sprays any liquid: oil or aqueous, provided with extra hard rubber outlet tube for spraying corrosive solutions. Construction is simple, and it can be readily taken apart for cleaning.

DeVilbiss Atomer, Nasal, No. 30.....	1.00
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Sprays either oil or aqueous solutions. Embodies our pipe point construction, eliminating the fine fluid tube, and minimizing the trouble of stopping up. Anatomically correct and far superior to the ordinary nasal atomizer. Can be readily taken apart for cleaning.

DeVilbiss Atomer, No. 31 (Continuous Spray).....	1.25
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Sprays any solution, oil or aqueous. Supplied with a hard rubber outlet tube for spraying corrosive solutions. Supplied with a nasal guard, which should be removed when spraying the throat.

DeVilbiss Nebulizer, No. 41.....	1.25
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Differs from No. 49 in that it has no table for regulating the vapor.

DeVilbiss Nebulizer, No. 49.....	1.50
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For oils only, throwing a dry or moist vapor. The vapor may be weakened by turning the little table to a horizontal position, or strengthened by turning it to a perpendicular position. Is invertible, can be placed in any position and the contents will not spill.

DeVilbiss Single Nebulizing Tube, No. 20 T R for spray No. 20.....	.15
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DeVilbiss Double Nebulizing Tube, No. 526, can be attached to any DeVilbiss Nebulizer.....

.25

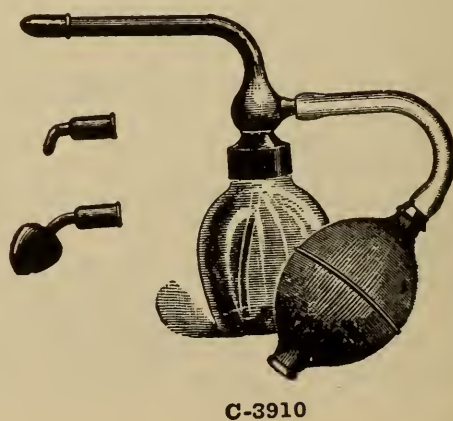
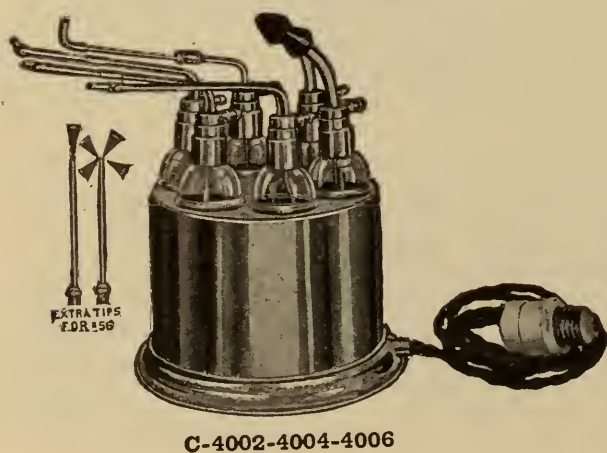
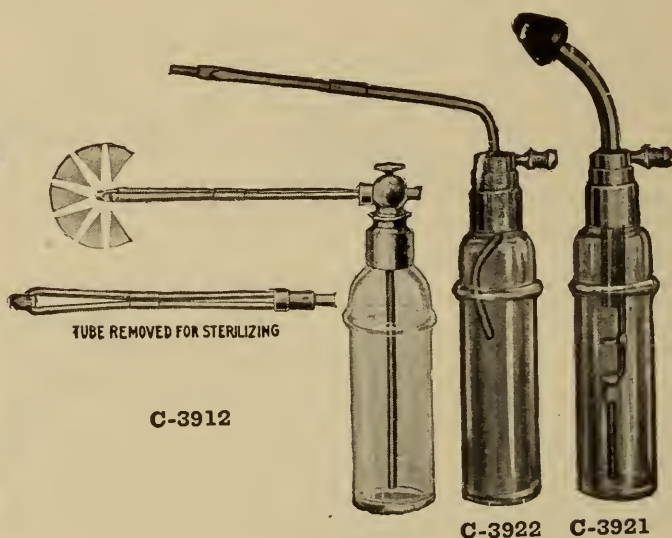
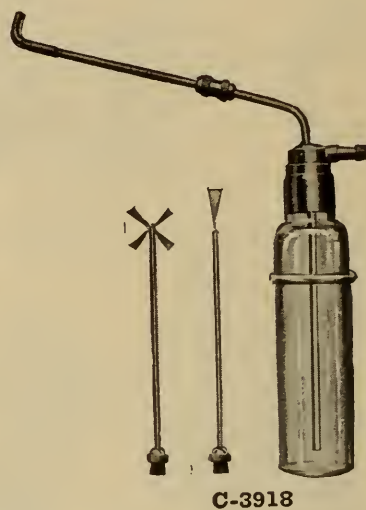
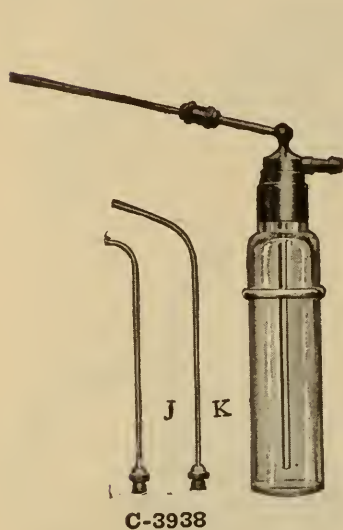
DeVilbiss Powder Blower, No. 36.....	1.00
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Will diffuse powder perfectly in any desired direction. The result is accomplished by a counter current preventing any of the powder bunching.

DeVilbiss Eye Irrigator, No. 90.....	1.00
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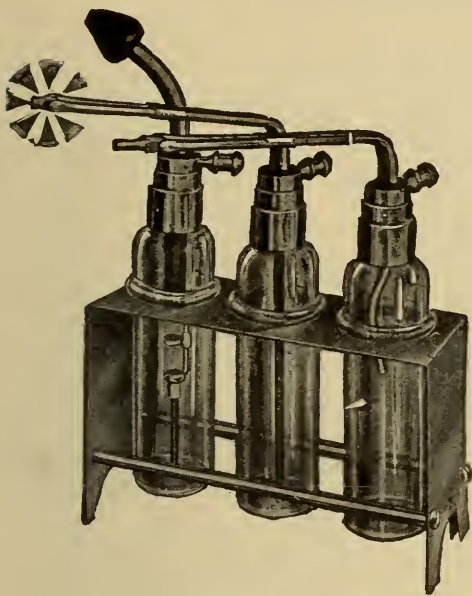
Throws a very fine stream of any solution. Especially useful in treating eyes, washing ulcers, etc.

## ATOMERS AND NEBULIZERS

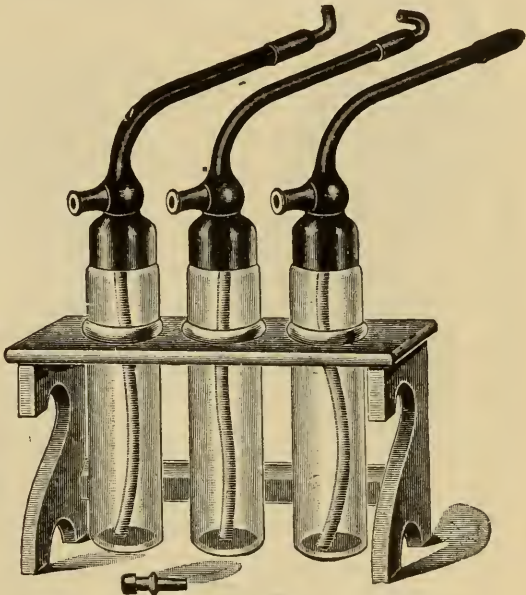




ATOMERS AND NEBULIZERS



C-3930



C-3905

HAND ATOMIZERS

*C-3895	Hard Rubber, with 3 detachable tips.....	\$1.25
*C-3900	Hard Rubber, with straight tip only.....	.50
C-3910	Hard Rubber, Davidson's, with 3 platinum-lined tips.....	1.75
C-3905	Davidson's Atomizer, No. 10, set of 3 tubes with stand.....	2.50

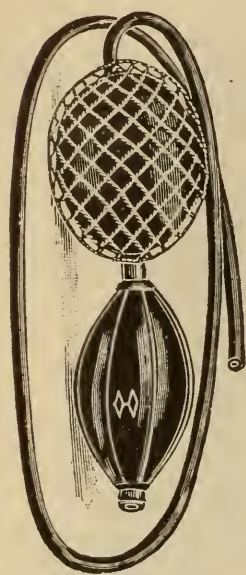
ATOMERS, NEBULIZERS, ETC., FOR USE WITH COMPRESSED AIR

C-3916	DeVilbiss Atomer, No. 52.....	1.00
Sprays and liquid—oil, aqueous or alcoholic—in any direction desired and from any bottle or open container.		
C-3917	DeVilbiss Atomer, No. 53.....	1.00
Same as No. 52, except that it will spray in any direction laterally.		
C-3912	DeVilbiss Atomer, No. 54.....	2.00
This Atomer has all the advantages of Nos. 52 and 53. Spray tube can be readily removed for sterilization, and also makes it possible to have individual spray tubes for each patient. Extra spray tubes supplied at \$1.00 each.....		
C-3918	DeVilbiss Atomer, No. 56.....	1.50
Furnished with three tips as illustrated.		
C-3919	DeVilbiss Atomer, No. 58.....	1.00
Will throw a fine spray of any liquid, either oil or aqueous. Is particularly designed for spraying expensive solutions.		
C-3921	DeVilbiss Nebulizer, No. 80.....	1.00
For oil only and produces a moist or dry vapor by regulating the table as in DeVilbiss Nebulizer No. 49.		
C-3922	DeVilbiss Powder Blower No. 73.....	1.00
Diffuses powder perfectly in any desired direction, and is furnished with extension tip, which can be removed when desired.		
C-3930	DeVilbiss Three-piece Set.....	3.50
Includes No. 52 Atomer, No. 80 Nebulizer and No. 73 Powder Blower, with nickel-plated stand.		
C-3935	DeVilbiss Four-piece Set.....	5.50
Includes Nos. 52 and 56 Atomers, No. 80 Nebulizer and No. 73 Powder Blower.		
C-3938	DeVilbiss Syringe, No. 57, with tip for middle ear.....	1.00
Frontal Sinus Tube K (silver), extra.....		1.00
Antrum Tube J (silver), extra.....		1.00

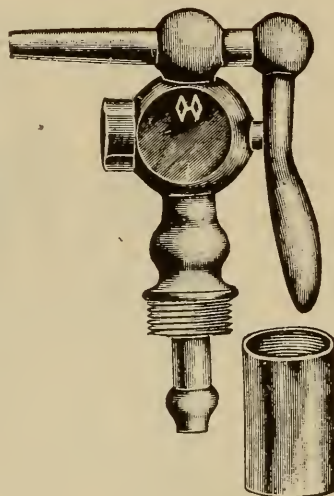
ELECTRICAL HEATERS

C-3995	DeVilbiss 6-hole open heater without electric fittings.....	2.50
Electric Fittings for 6-hole open heater, extra.....		1.40
C-4002	DeVilbiss 6-hole closed heater without atomers and electric fittings.....	5.00
C-4003	DeVilbiss Wall Bracket, nickel plated, for closed heater.....	1.50
C-4004	Electric Fittings for DeVilbiss open or closed heaters, 4 C. P. electric lamp, with socket, and 12 feet cord and plug for attaching.....	1.10
C-4006	DeVilbiss 6-hole closed heater, with two No. 52, two No. 80, one No. 73 and one No. 56, and with electric lamp, socket, 12 feet of cord and plug for attaching.....	12.90

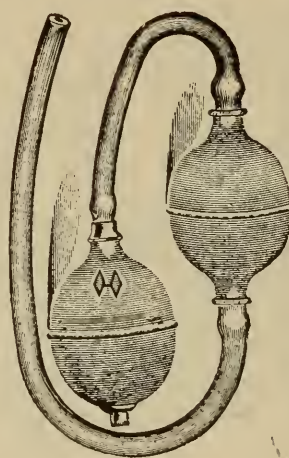
## COMPRESSED AIR APPARATUS



C-4103



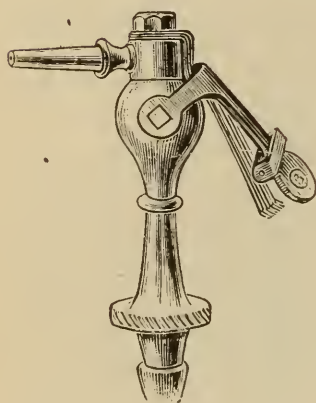
C-4115



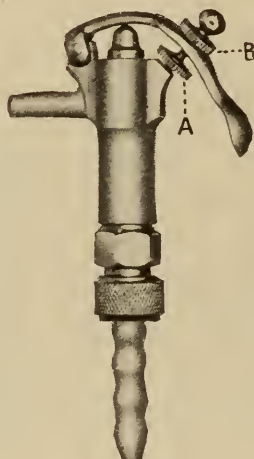
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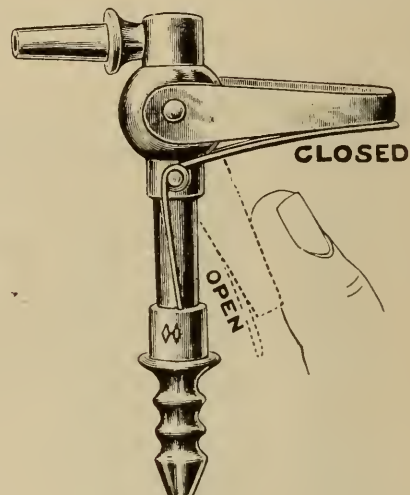
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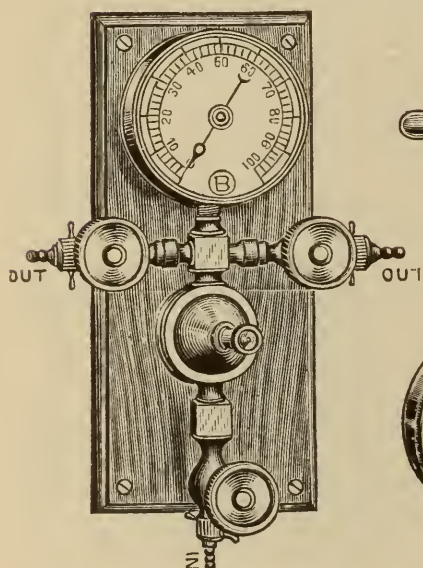
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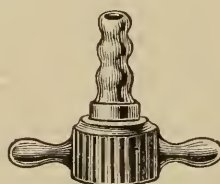
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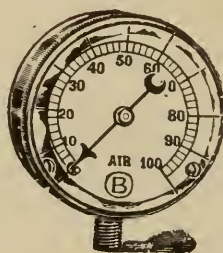
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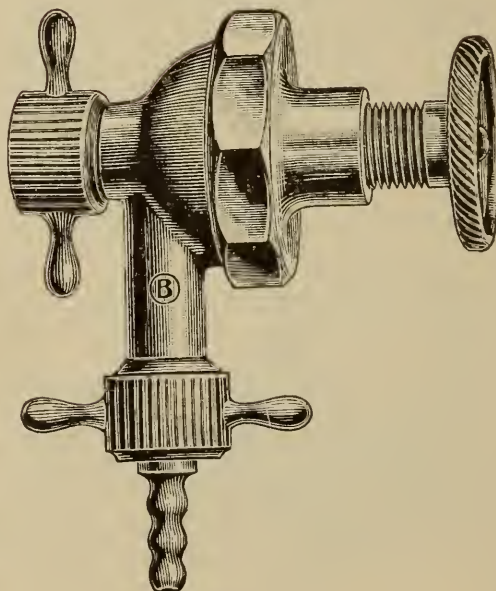
C-4100



C-4170



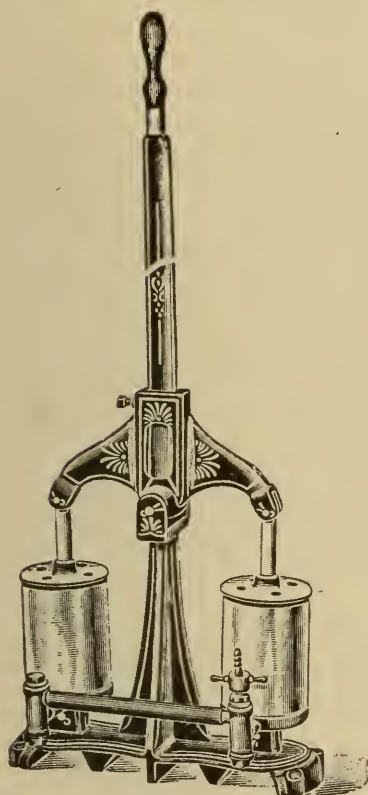
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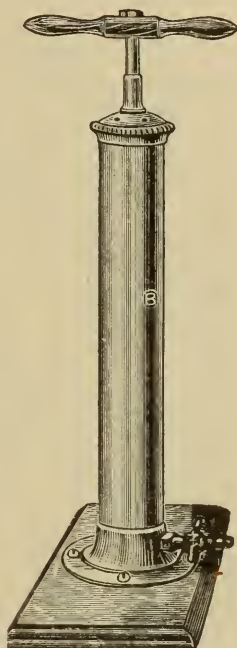
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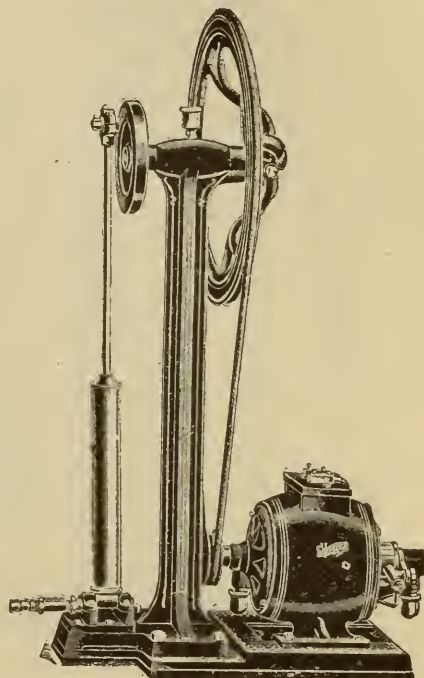
## COMPRESSED AIR APPARATUS



C-4145



C-4150

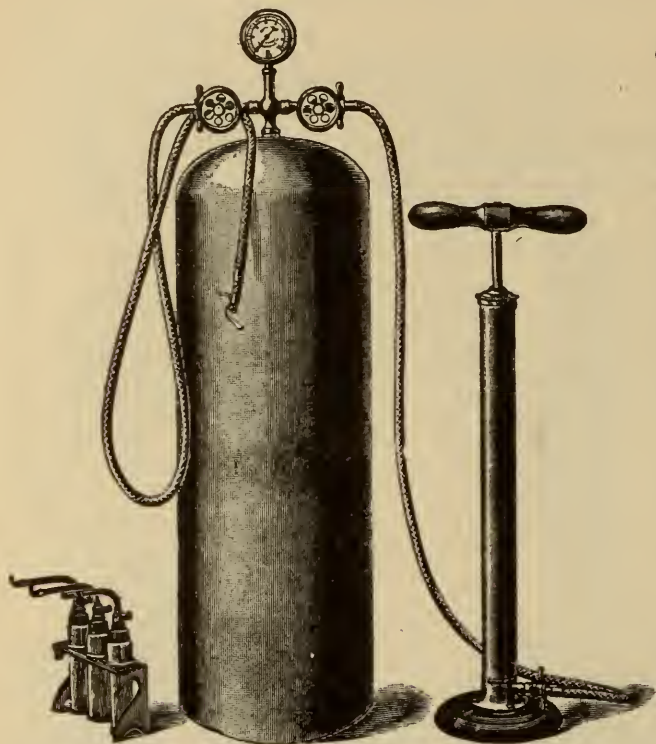


C-4180

## COMPRESSED AIR SUNDRIES

C-4085	Air Regulating Valve, Boekel's, to reduce the initial to any desired pressure .....	\$ 5.25
C-4090	Air Pressure Gage, 3 inches in diameter, nickel plated.....	4.50
*C-4095	Air Pressure Gage, 3 inches in diameter, with double cross cock, nickel plated.....	10.50
C-4100	Air Gage Board, Boekel's, with gage, 1 inlet and 2 outlet valves, 1 air regulator, mounted as shown.....	18.00
C-4101	Atomizer Bulbs, single, white rubber.....	.40
C-4102	Atomizer Bulbs, double, white rubber.....	1.00
C-4103	Atomizer, Bulbs, double, pure gum.....	1.25
C-4104	Atomizer Bulb, pure gum, to be worked by foot pressure.....	5.00
C-4105	Automatic Cut-off, Boekel's, improved.....	1.50
*C-4115	Automatic Cut-off, improved model.....	1.25
C-4117	Automatic Cut-off, DeVilbiss', new model.....	2.00
*C-4122	Automatic Cut-off, Haslam's .....	1.00
C-4124	Automatic Cut-off, Yankauer's .....	1.75
*C-4135	Air Pump, Eureka, hydraulic, compound.....	30.00
*C-4140	Air Pump, Little Wonder, hydraulic, gives 1 lb. air pressure for each pound of water pressure up to 30 lbs., which is its full capacity.....	27.50
C-4145	Air Pump, double cylinder, lever handle.....	20.00
C-4150	Air Pump, T handle, 2½ inches by 16 inches, height 21½ inches.....	7.50
C-4180	Victor Air Compressor, No. 2, as shown in cut, wound for 110 or 220-volt direct current.....	55.00
C-4190	Victor Air Compressor, No. 2, complete pump for alternating current of 50 or 60 cycles.....	55.00
C-4195	Victor Air Compressor, No. 2, complete pump for alternating current of 125 to 133 cycles.....	60.00
C-4200	Victor Air Compressor, No. 2, complete pump without motor.....	28.00
*C-4160	Silk-covered rubber tubing, per foot.....	.25
*C-4165	Linen-lined rubber tubing, per foot.....	.20
C-4170	Connectors .....	.35
*C-4175	Ferrules, brass, nickel plated.....	.10

## COMPRESSED AIR APPARATUS



C-4210

**C-4210 COMPRESSED AIR OUTFIT**

This outfit consists of a seamless steel tank, 10x36 inches, tested up to 500 pounds air pressure, equipped with air pressure gage, cross cock with inlet and outlet valve, and finished in either aluminum bronze or nickel plate; T handle pump of the regular pattern, very powerful; 4 feet of silk-covered tubing, 4 feet of linen-lined rubber tubing, automatic cut-off, and set of 3 hard-rubber spray tubes.

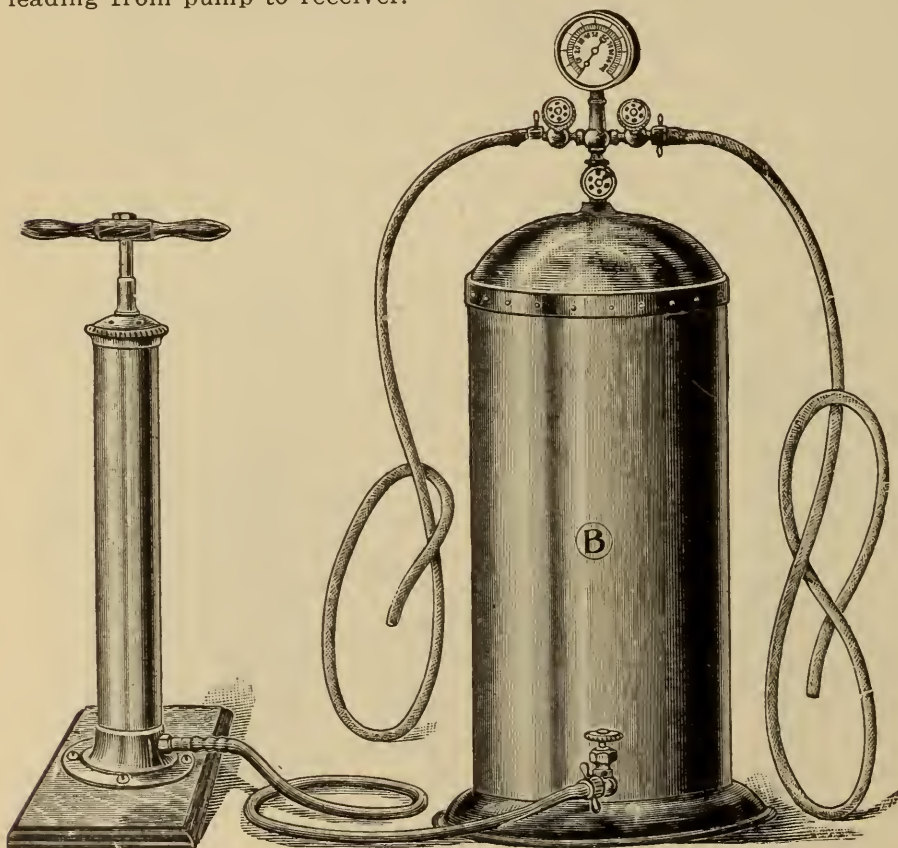
Price in aluminum and bronze finish, pump and fittings nickel plated .....\$35.00

Price in all nickel-plated finish. 37.50

If double cylinder, lever handle pump is wanted instead of the T handle pump described, add \$5.00 to the price of apparatus as listed.

**C-4215 COMPRESSED AIR OUTFIT**

This outfit consists of a T handle pump, receiver, set of 3 hard-rubber atomizing tubes, 4 feet silk tubing with automatic cut-off, 4 feet of linen-lined rubber tubing leading from pump to receiver.



C-4215

Receiver is made of brass, with dome riveted and sweat-ed on, bottom of tank sweat-ed on, equipped with air pressure gage, inlet and outlet valve, and air regulating valve from receiver to outlet. Tested up to 100 lbs. air pressure, gage reading to 50 lbs. Receiver and fittings highly polished and nickel plated.

The pump is of the regular T handle style of the best make and fully guaranteed.

For a physician whose practice requires only a limited amount of compressed air, we can heartily recommend this apparatus.

Price, complete as described ..\$31.50



## “TANKLESS” APPARATUS

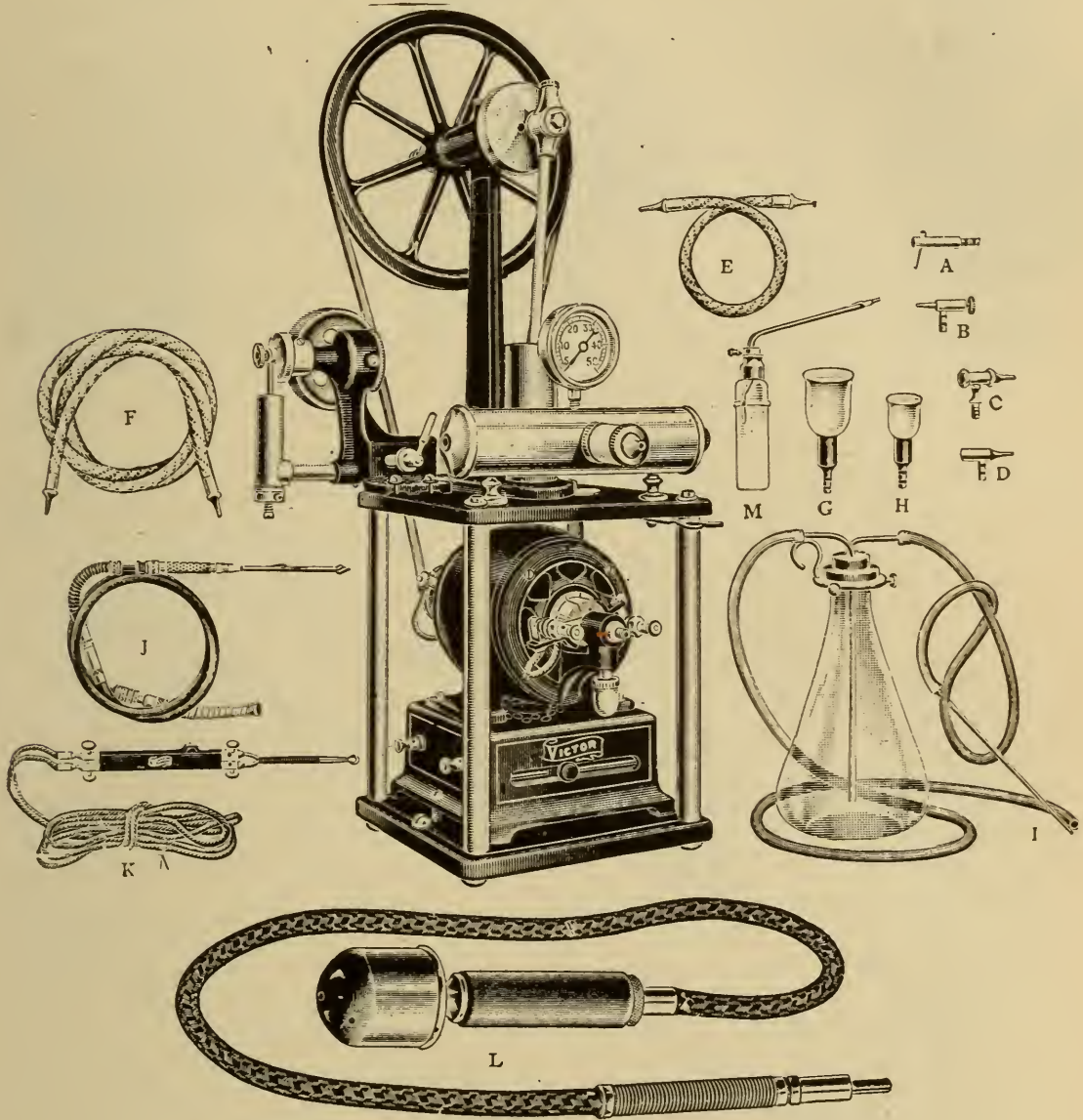


Fig. 1 (VICTOR "NO. 8" TANKLESS)

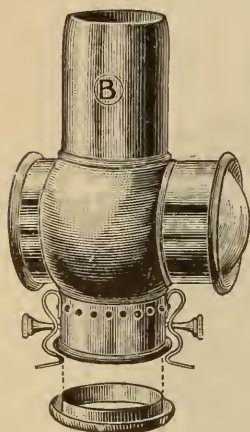
### VICTOR TANKLESS APPARATUS

**Range of Service**—Tankless compressed air up to and exceeding 50 lbs., suitable for all types of spray, nebulizing and powder blowing bottles; suction for aspirating and all Bier Hypermic appliances; pneumatic massage (ordinary application); pneumatic massage (delicate application); cautery current (complete service); endoscopic light current (complete service); motive power for all flexible shaft appliances, such as vibratory massage handle, nasal drill or bone surgery cable.

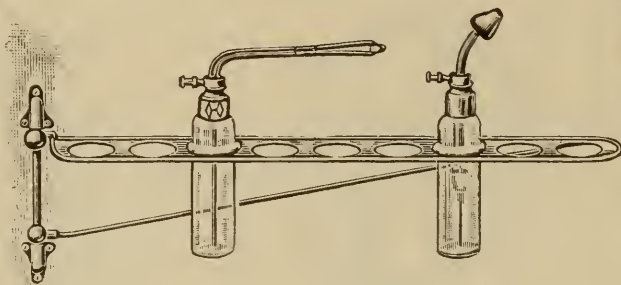
This type of apparatus is finished in four models, complete particulars being given in a separate bulletin, which will be sent free on request.

Price, \$68.00 and upward, according to scope of service.

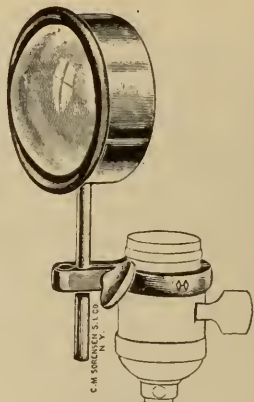
BRACKETS AND ILLUMINATING APPARATUS



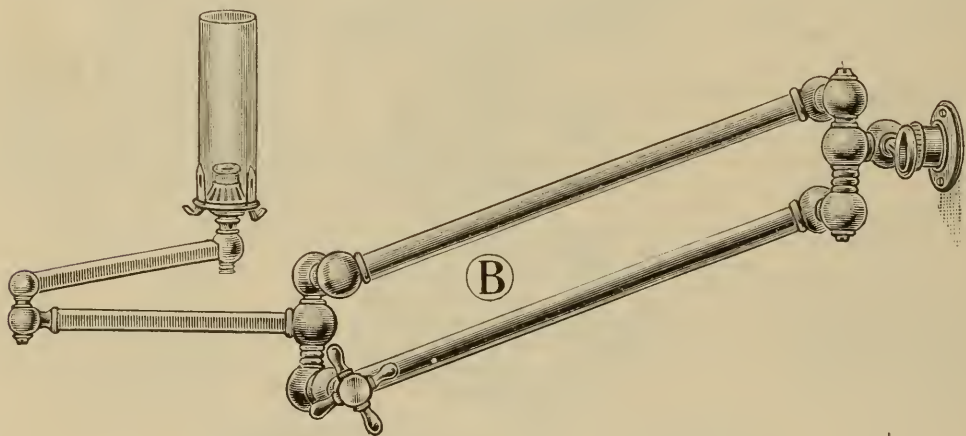
C-4305



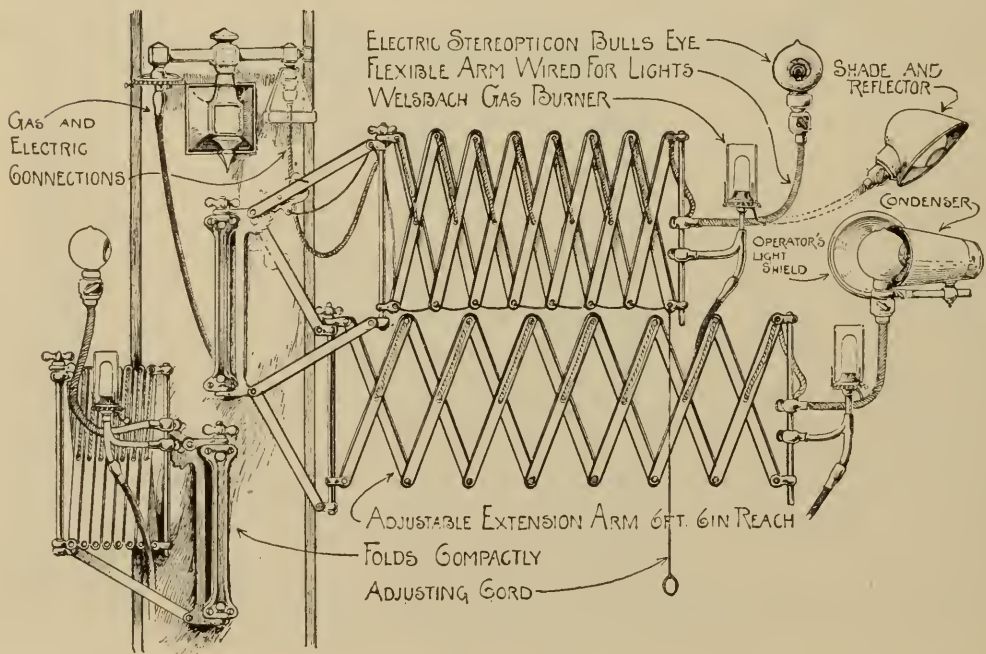
C-4233



C-4317



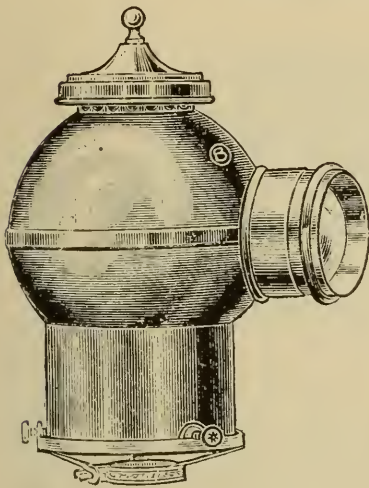
C-4246



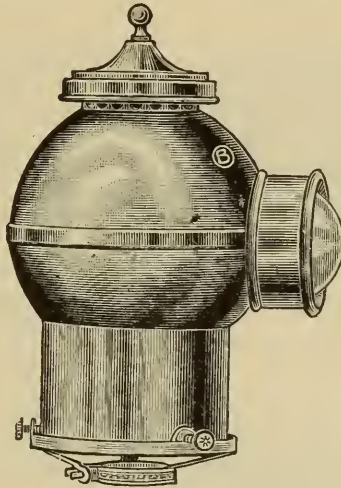
C-4250



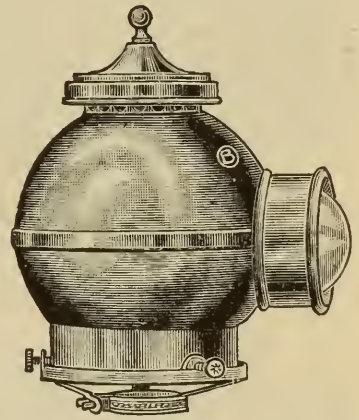
## ILLUMINATING APPARATUS



C-4308



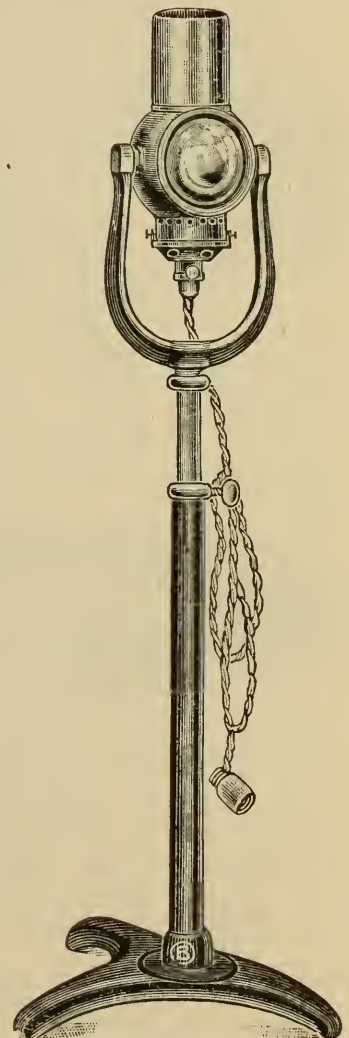
C-4306



C-4301

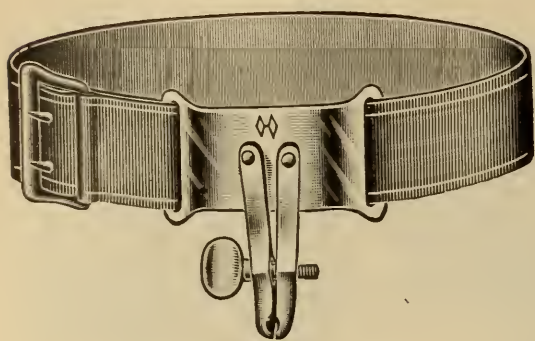
## BRACKETS, CONDENSERS, STANDS, ETC.

*C-4232	Swinging Spray Bottle Rack, with 6 holes.....	\$3.00
C-4233	Swinging Spray Bottle Rack, with 9 holes.....	4.50
*C-4240	Extension Bracket, adjustable, double arm, extreme length 22 inches, complete with Argand burner and chimney, polished brass, nickel plated.....	\$ 9.00
C-4246	Extension Bracket, adjustable, triple arm, complete with Argand burner and chimney, polished brass, nickel plated.....	10.75
C-4250	Extension Bracket, Allison's. When closed it fits closely to the wall, and can be extended 6½ feet. It can be raised and lowered in all 22 inches.	
C-4250A	No. 1 Bracket with electric cord, plug and flexible arm.....	12.00
C-4250B	No. A Bracket with 6-ft. gas tubing, no burner .....	10.50
C-4250C	Nos. 1 and A combined for gas and electricity, no bulb or burner.....	14.00
C-4250D	Condenser .....	6.00
C-4250E	Operator's light shield.....	.85
C-4250F	Reflector, frosted aluminum.....	.85
C-4250G	Argand Gas Burner and Chimney for No. A..	.85
C-4250H	Stereopticon bulbs—	
	80-Watt 2½-inch round clear.....	.75
	80-Watt 2½-inch Bull's-eye.....	1.00
	128-Watt 3½-inch Bull's-eye.....	1.50
	200-Watt 3½-inch Bull's-eye.....	2.00
Prices of accessories on application.		
*C-4275	Extension Bracket, stationary, for use with McKenzie condenser.....	3.50
*C-4280	Chimney, asbestos, plain, for student lamp or Argand burner.....	1.00
*C-4285	Chimney, asbestos, with metal ring having 3 different sized openings.....	2.00
*C-4290	Chimney, asbestos, with regulating metal iris diaphragm .....	2.75
C-4301	Condenser, Boekel's, improved electric, made for Edison stereopticon lamp.....	6.00
*C-4302	Condenser, Boekel's, improved electric, made for 50 C. P. Edison stereopticon lamp.....	7.50
C-4306	Condenser, Boekel's, improved electric, with adjustable lens focus, made for Edison stereopticon lamp.....	6.50
*C-4307	Condenser, Boekel's, improved electric, with adjustable lens focus, made for 50 C. P. Edison stereopticon lamp.....	8.00
C-4308	Condenser, Boekel's, improved electric, with adjustable lens focus, made with long neck, for regular electric lamp.....	8.00
C-4305	Condenser, McKenzie's, for Argand burner or student lamp.....	4.50
C-4309	Electric Light Stand, Coakley's, complete with condenser, spiral filament electric lamp, extension socket, 6 feet of cord and plug..	25.00
C-4317	Condenser, plain, with bracket for attaching to electric lamp socket.....	4.50
*C-4320	Perfection Student Lamp, with glass oil reservoir .....	10.50

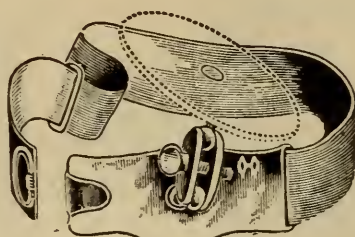


C-4309

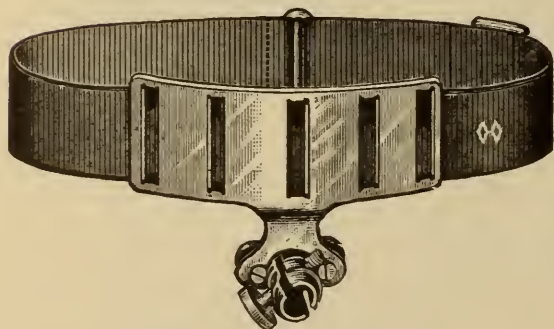
## HEAD BANDS AND MIRRORS



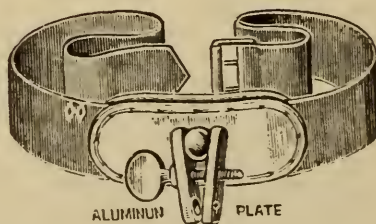
C-4400



C-4400

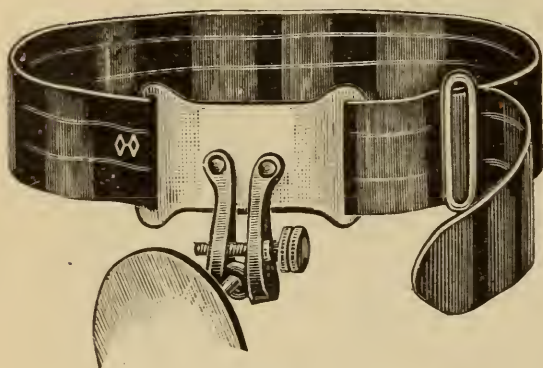


C-4440

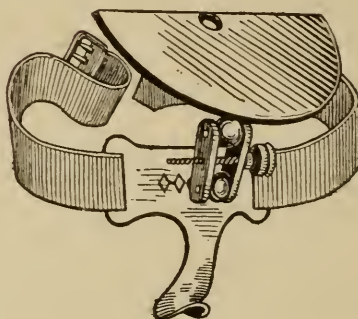


ALUMINUM PLATE

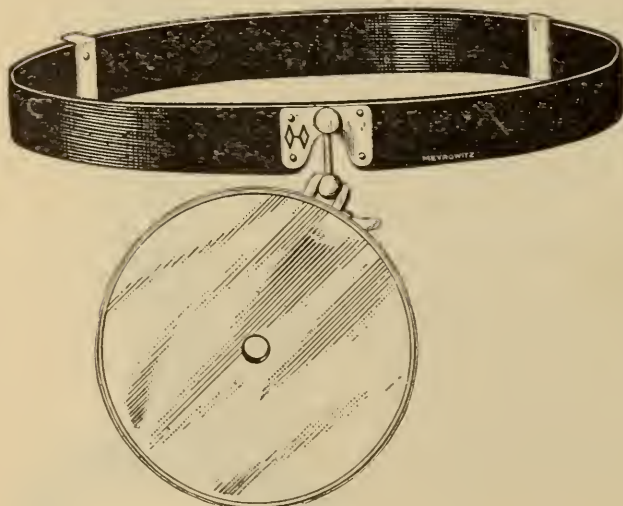
C-4395



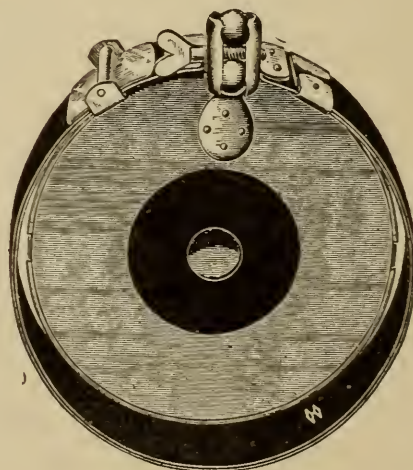
C-4380



C-4405



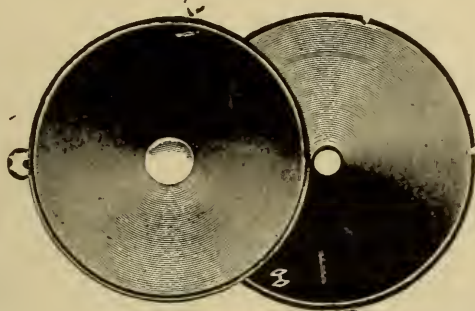
C-4393



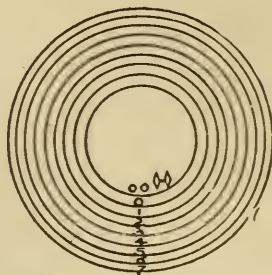
C-4394-4394A



## HEAD BANDS AND MIRRORS



C-4455-4460



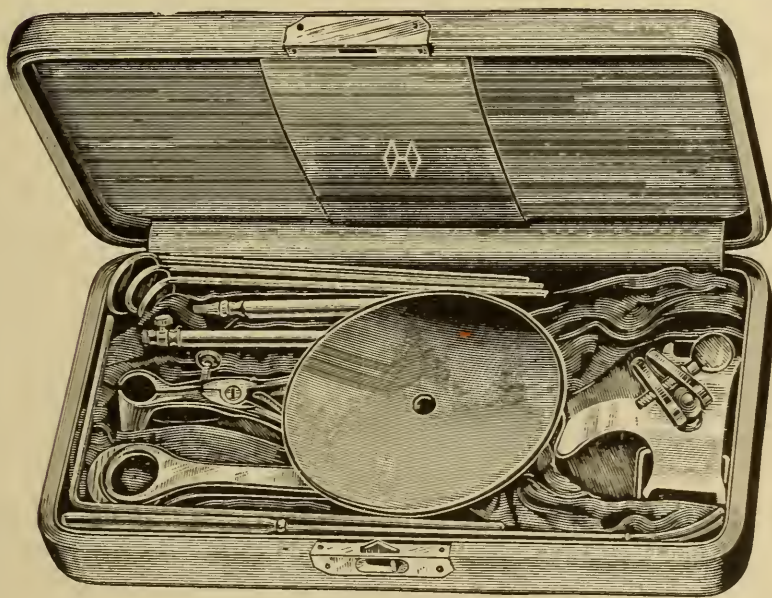
Laryngeal Mirror Sizes



C-4465-4472



C-4475



C-4482

## HEAD BANDS

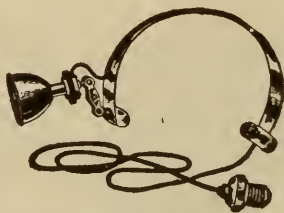
C-4380	Bosworth's .....	\$1.00
*C-4392	Fox's, spectacle frame.....	5.00
C-4393	Frankel's, without mirror.....	2.25
C-4394	Frankel's, with head mirror, aluminum back, 3 inch.....	4.50
C-4394A	Frankel's, with head mirror, aluminum back, 4 inch.....	5.00
*C-4396	French's, aluminum plate, leather band, non-puncturing buckle.....	1.50
C-4395	French's, aluminum plate, silk band.....	1.25
C-4400	Gleason's, with leather strap.....	1.25
C-4405	Haslam's, with nose rest.....	1.25
*C-4435	Pyncheon's, metal front plate, hard-rubber back.....	1.50
C-4440	Schroetter's B and L pattern.....	1.50
*C-7410	Smith's .....	1.25
*C-4442	Worrell's, steel spring.....	1.75
*C-4443	Worrell's steel spring, folding.....	2.00
*C-4444	Worrell's, steel spring, with extra cross spring.....	

## MIRRORS

C-4455	Head, regular pattern, 2½ in., \$1.75; 3 in., \$1.90; 3½ in., \$2.10; 4 in.....	\$2.25.
*C-4462	Head, Frankel's, aluminum back, with protector, 3 in., \$2.25; 3½ in., \$2.50; 4 in.....	2.75.
These mirrors can be furnished with 7, 10 and 12 mm. openings.		
*C-4464	Laryngeal, regular, no handle, sizes 00 to 7.....	.50.
C-4465	Laryngeal, regular, with metal handle, sizes 00 to 7.....	.65
*C-4470	Laryngeal, boilable, extra thin, nickel back, no handle, sizes 00 to 7, each	.65
C-4472	Laryngeal, boilable, extra thin, nickel back, with handle, sizes 00 to 7, each	.80
The boilable mirrors have extra thin pure nickel back, and can be rendered thoroughly sterile. They are more than worth the difference in price.		
C-4475	Mirror handle, metal, with set screw.....	.30
*C-4480	Mirror Protector, aluminum, 3 in., \$0.30; 3½ in., \$0.30; 4 in.....	.30
C-4482	Laryngoscopic Set No. 5.....	9.00.

NOTE.—Special Laryngoscopic Sets made to order.

ILLUMINATING APPARATUS

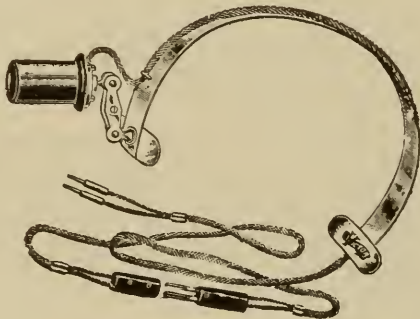


ELECTRIC HEAD LAMPS

C-4446 Victor No. 3 Head Lamp

Connects to any electric light socket provided with duplex swivel joint.

Price, arranged for the 110-volt direct or alternating current.....\$7.50  
Price, arranged for the 220-volt direct or alternating current..... 9.50



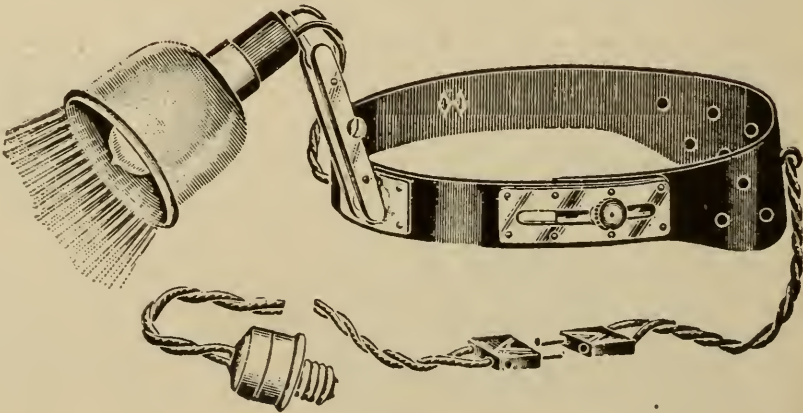
Victor No. 1 Head Lamp

Provided with telescopic lens and reflector for concentrating or diffusing the light. Lamp is of the miniature type and must be used in connection with socket controller or current tap.

Price .....\$10.00

C-4449 Murphy's (Dr. J. B.) Electric Head Lamp

Murphy's Electric Head Lamp, to be attached to any 110-volt electric light circuit, is equipped with aluminum reflector, round 3-10 C. P. tipless lamp, vulcanite head band, non-breakable plug, 9 feet of silk-covered cord and hard-rubber stage connector, which separates the cords into 3 and 9-foot lengths.  
Price .....\$9.00



Murphy's Electric Head Lamp, vulcanite band, without cord separator.

Price .....\$7.00

Murphy's Electric Head Lamp, equipped with metal arch band with padded front and rear cross-piece.

Price .....\$9.00

NOTE.—Current Controllers for use with Electric Illuminating Apparatus will be found in Section F.



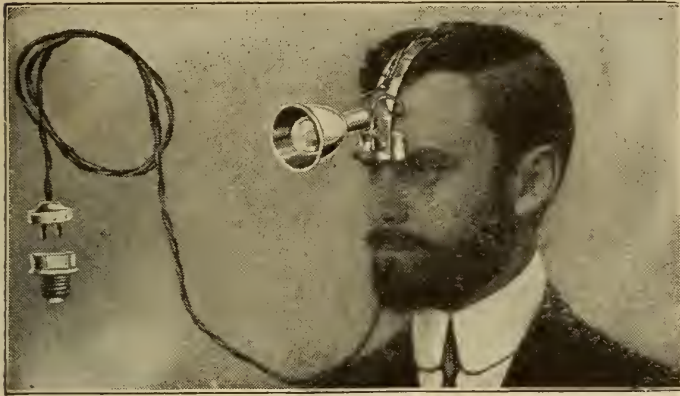
## ILLUMINATING APPARATUS

## ELECTRIC HEAD LAMPS

## C-4454 McIntosh No. 1 Aseptic Head Lamp

All connections pass through fibre outlet at back of reflector in which is contained tipless lamp, throwing a powerful diffused light free from shadows, which may be adjusted by the double ball and socket joint. The instrument is finely finished and provided with rich, silk-covered cord and plug connecting with any lamp socket to 104-115-volt direct or alternating current. Specify plain or frosted bulb.

McIntosh No. 1 Aseptic Lamp, as illustrated.....\$6.00

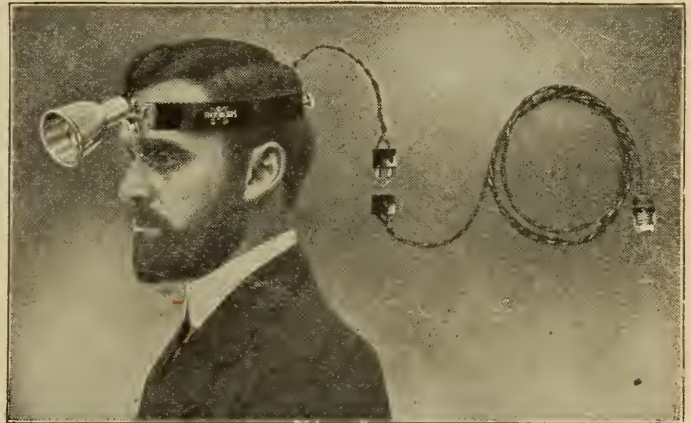


## C-4456 McIntosh No. 3 Collapsible Fibre Head Lamp

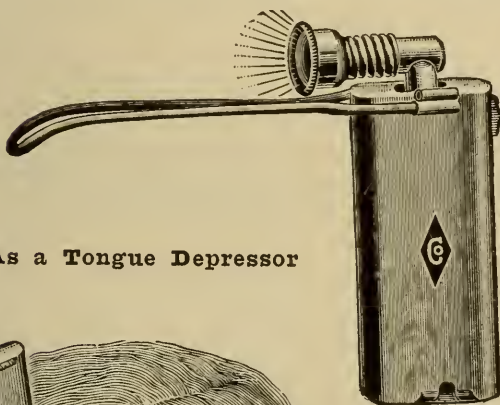
Fitted with a comfortable fibre band which can be folded into compact space and readily slipped in the pocket. The fibre band is very light and can be worn for hours without discomfort. Connects with any 104-115-volt current. Specify plain or frosted bulb.

McIntosh No. 3 Collapsible Fibre Head Lamp.....\$7.50

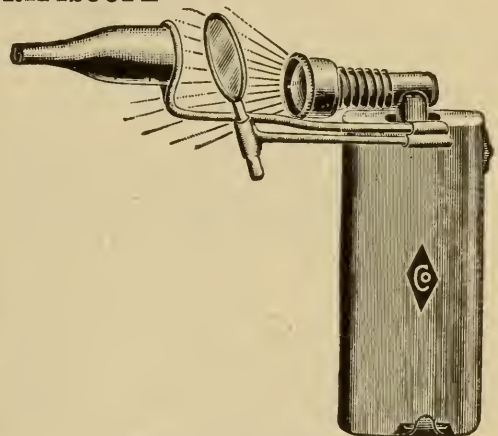
McIntosh No. 2 Adjustable Fibre Head Lamp, same as above, but with hat shaped fibre band..... 7.50



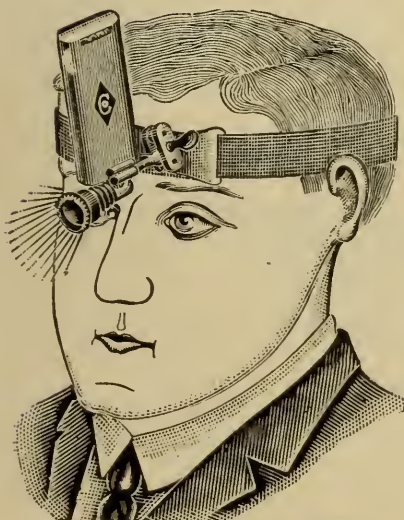
## C-4458 CARSTENS ORIFISCOPE



As a Tongue Depressor



As an Ear Speculum



As a Head Light

The complete outfit comprises a Lamp, a Tongue Depressor, a Holder for wood blade Tongue Depressor, an Ear Speculum with Holder, an Adjustable Magnifying Glass, a Self-Retaining Nasal Speculum and a strong mercerized cotton Head Band to which the lamp may be attached and be used as an Electric Head Light.

Price, complete with Head Band.....\$6.00

Price, without Head Band..... 5.00

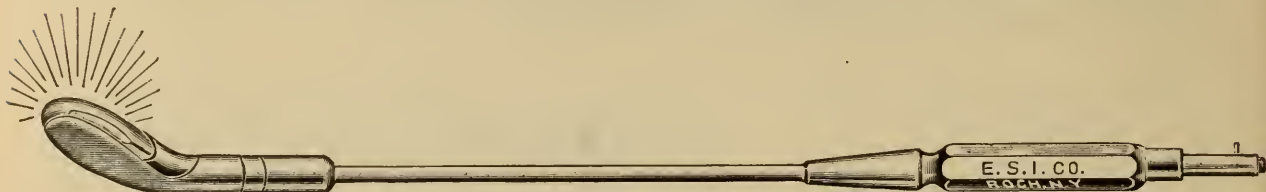
## NASAL AND PHARYNGEAL ILLUMINATING INSTRUMENTS

The illuminating instruments illustrated below are carefully and scientifically made, are all equipped with the Electro Surgical Instrument Co.'s improved cold lamp and are well adapted to the purposes for which they are made.



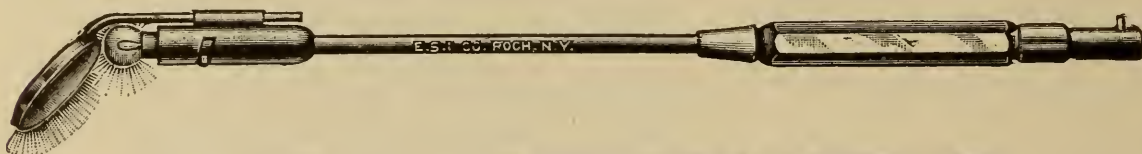
### C-3684 THE E. S. I. CO. GENERAL DIAGNOSTIC ILLUMINATOR

The lamp is lens tipped, throwing a brilliant cone of light directly forward and the instrument is especially fitted for the illumination of cavities—mouth, nose, vagina, rectum, etc., and may be used with or without specula, tubes, etc. Length 10 cm. Price, straight, net, \$2.50; angular, net.....\$3.00



### C-3681 THE E. S. I. CO. DOWLING ANTRUM ILLUMINATOR

This instrument is similar to the regular E. S. I. Co. antrum illuminator, except that the lamp of the Dowling is provided with a metal reflector, and has a slight curve at the base, thus allowing it to be placed flat with back on the palate against the thinnest part of the bony wall. Price, with either 6 or 10-volt lamp, net.....\$4.50



### C-3686 THE E. S. I. CO. LARYNGOSCOPE AND MOUTH LAMP

It is simple in construction and avoids all the annoyances pertaining to the use of the head mirror. The various mirrors are interchangeable. The shank on the mirrors being flattened prevents gyration. The mirror furnished is  $\frac{3}{4}$  inch. Price, net .....\$3.50

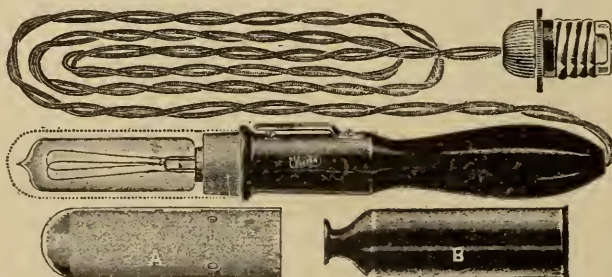
Mirror, 1 inch, extra, net..... 1.10



### C-3687 THE E. S. I. CO. ANTRUM ILLUMINATOR

This instrument is furnished with a lamp having a capacity of either six or fifteen volts. The bulb is flat, about 6 mm. thick and about 15 mm. in diameter, its shape permitting it to lie close to the hard palate so that the full benefit of the light ray is obtained. The instrument should always be used in a dark room. Price, net .....\$3.50

Price, net .....\$3.50



### C-3692 FREER-JACKSON TRANSILLUMINATOR (VICTOR)

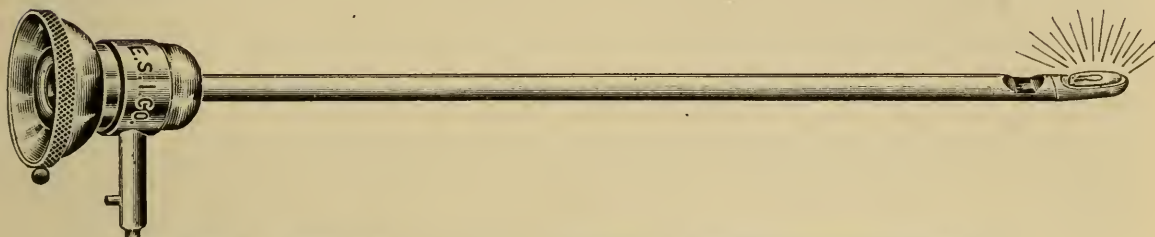
The source of light is a long, high candle-power lamp, calibrated to deliver a much greater volume of light than is possible with any of the transilluminators provided with miniature lamps. Two shields are provided (a) for illuminating the antrum of Highmore and (b) for illumination of the frontal sinus

Price, arranged for attachment to the 110-volt direct or alternating current.....\$4.75

Price, arranged for the 220-volt direct or alternating current..... 6.75



## NASAL AND PHARYNGEAL ILLUMINATING INSTRUMENTS



**C-3691A THE E. S. I. CO. "HOLMES" NASOPHARYNGOSCOPE**

This instrument, made by the E. S. I. Co. of Rochester, N. Y., is the only one that is used and endorsed by Dr. Edgar M. Holmes of Boston, its designer. It is constructed on the lines of a very small, diagnostic cystoscope, the barrel being 12 cm. long and less than No. 12 French scale, the whole weighing less than  $\frac{1}{2}$  ounce. The lamp beak is short and is placed as near the prism opening as possible, and at a straight angle to the shaft, thus giving perfect illumination on the field in view. Special circular giving complete description mailed on request.

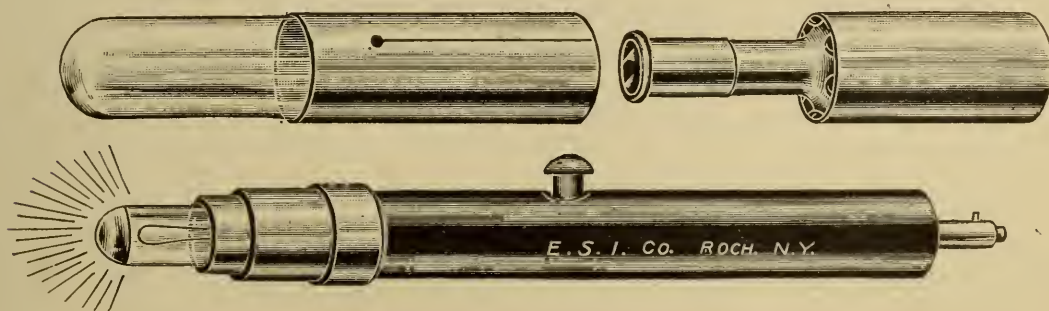
Price, complete in metal case, with one extra lamp and conducting cords with make and break attachment, net.....	\$33.00
Extra lamps, each.....	1.50
Lamps will be remounted for.....	.75



**C-3688 THE E. S. I. CO. FRONTAL SINUS ILLUMINATOR**

This instrument, when pressed against the orbit just below the superciliary ridge, illuminates the sinus so satisfactorily as to be indispensable for accurate diagnosis. Furnished with six or fifteen-volt lamp. To secure best results should be used in a darkened room.

Price, net .....\$4.00



**C-3692A THE E. S. I. CO. "SULLIVAN" ANTRUM AND FRONTAL SINUS ILLUMINATOR**

Designed by Dr. John J. Sullivan of Scranton, Pa. The illuminator consists of a handle with make and break attachment, to which is fitted a powerful tungsten lamp of 10 volts; 2 hoods to fit over the lamp are furnished, one with a glass cylinder to intensify and carry the light for deepest penetration for frontal sinus work, the other is a glass hood fitted to a metal base for illumination of the antrum.

Price, complete, net.....\$7.00

CAMERON'S DIAGNOSTOLITE



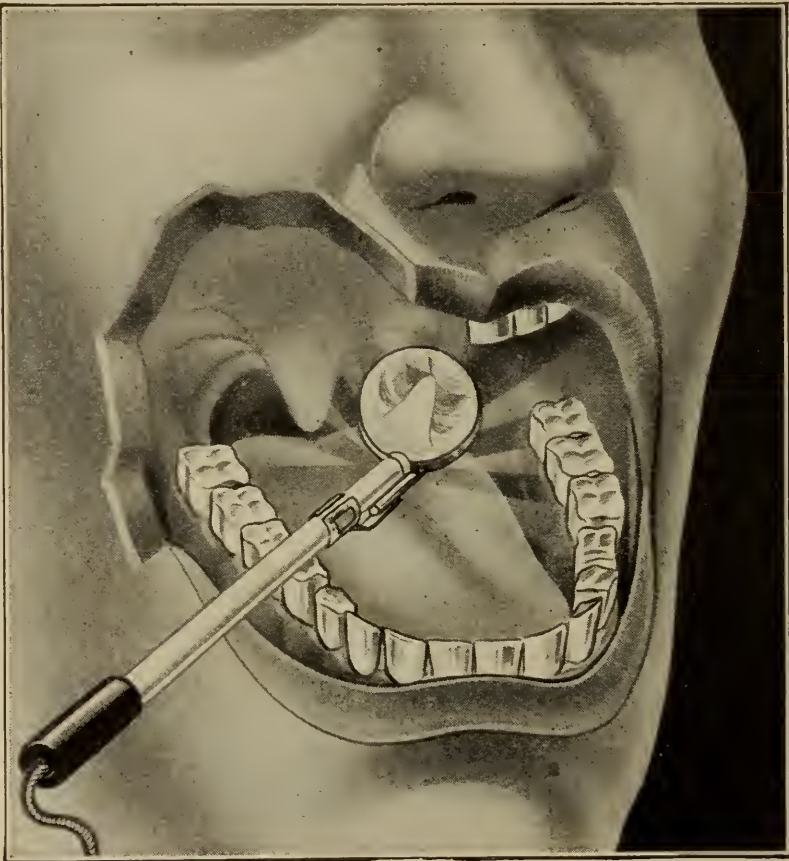
No. 6

Cameron's Diagnostolite will appeal to the medical practitioner or specialist who wants in a compact form a satisfactory, practical and sanitary light for any use, without the danger of harmful heat. It contains one tubular lamp of special design, 4½ inches long and ⅜ of an inch in diameter. It is made of opal glass and in the end of this is fused the lens which concentrates the light rays. This is the searchlight principle properly applied for diagnostic work. The concentration of these light rays in any desired area by this principle gives an abundance of direct light free from shadows without any glare.

This light shows the tissue in natural color. The lamp is safe to use in the interior nares, for antrum or sinus examination, for vaginal exploration or for use in deep abdominal wounds. All danger of heat is overcome by the special construction of this lamp. Included in each outfit is a plain No. 4 mirror, which may be boiled. Any standard size of mirror either plain or magnifying may be had if specified. This mirror is adjustably mounted on the tubular lamp, and it may be bent to any angle or instantly removed.

Cameron's Diagnostolite is put up in a conveniently partitioned leatherette case, 6¼x5¼x2 inches, and the total weight, including the battery, is one and one-half pounds. The cord is four feet long and consists of 42 strands of wire, insulated with cotton and rubber with a green silk covering. It is specially made for this purpose and is very flexible. The socket in which the Dentalamp is mounted is made of one piece of hard rubber and it can be readily dismounted and cleaned and the insulation is perfect. The standard Ever Ready three cell batteries for flashlight use are furnished and the cost to operate is less than two cents an hour. They are carried in stock by all the electric supply houses and sell for not more than 45 cents.

The instrument is supplied, completely assembled and is fully guaranteed and the accompanying illustration No. 6 is a photographic reproduction. In No. 7 is shown the common method of use.



No. 7

Extra lamps or mirrors may be had for, each.....\$1.00  
The price of the complete instrument is..... 6.00



## CAMERON'S ELECTRO-ORAL ASSISTANT



No. 1

tongue depressors and they may be instantly detached, or the instrument may be used without the tongue depressors. It is not possible for this instrument to slip while in use, as any pressure on the distal extremities binds it in the slot, and the greater the pressure the harder it is to release. When requested we furnish with a set screw.

There is no danger of injuring rubber gloves in manipulating this instrument. The retractor is made of case-hardened steel and it will stand any strain by any patient under any condition. The tongue blades are of flexible cold rolled steel so they can be adjusted to any position in any patient's mouth, and these may be readily detached.

Particular attention is directed to the fact that the light carrier is entirely out of the field of operation and the lamp is guarded from the instrument by a metal shield which makes it safe to use under any condition. The instrument is put up in a serviceable leatherette case,  $7\frac{1}{2} \times 5 \times 2$  inches, weighs one and one-half lbs., and the instrument compartment is lined with heavy white oilcloth. It is conveniently partitioned to separate the batteries and the instruments.

The cordage is 42-ply wire, insulated in cotton and rubber and finished in green silk. The electrical connections are the familiar plug socket connections, and they cannot get out of order. Standard Ever-Ready batteries giving 28 hours of light are furnished with this outfit, and standard 3.8-volt lamps costing 15c each are used.

The price is \$7.50.

In cut No. 1 is shown the photographic reproduction of the instrument, and cut No. 2 shows the instrument in position for operative treatment.

## CAMERON'S DUO-ORALITE

Cameron's Duo-Oralite is a combination of the Electro-Oral Assistant and the Diagnostolite, as shown on page 344.

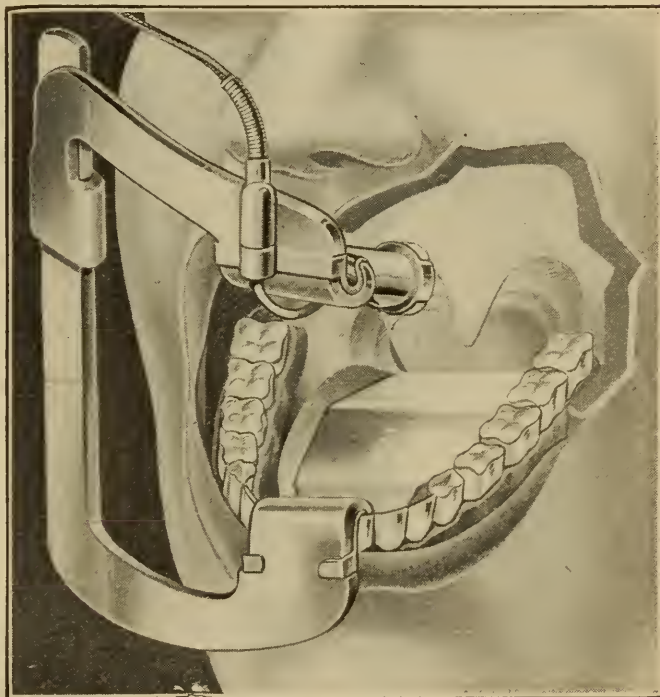
In this instrument both lamps are operated off the same battery, by means of which it is possible to interchange them instantly. A clear idea of its value may be obtained by the description furnished under each of these instruments.

The price of the Duo-Oralite, complete, is \$12.00, and it is fully guaranteed.

Cameron's Electro-Oral Assistant is equally valuable to the oral surgeon and the general practitioner. It places a direct light in the mouth and throat, generates no objectionable heat and gives a white light showing the tissue in natural color. It is self-retaining and cannot slip. For diagnostic work, for Tonsilectomy or Adenectomy operations or for touching up the throat with iodine or silver nitrate, it fills the exact requirements of each individual case. It is automatically adjustable to every patient's mouth, and it is equally practical when used with local or general anaesthesia.

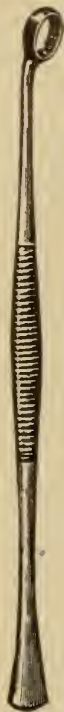
It gives more room for the operator, more comfort for the patient, is light in weight and is readily sterilized and cleaned.

Each instrument is supplied with both adult's and child's size



No. 2

DERMAL INSTRUMENTS



C-4570



C-4525



C-4550



C-4511



C-4574



C-4530



C-4495



C-4500



C-4512



C-4510



C-4515



C-4558



C-4540



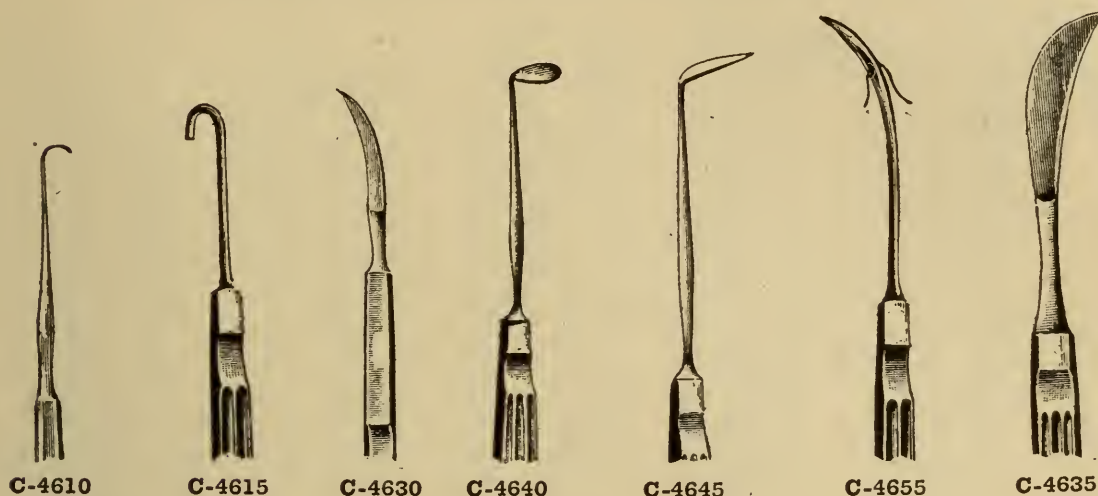
C-4535



C-4488



## STAPHYLORRHAPHY INSTRUMENTS



## COMEDO EXTRACTORS

C-4488	Douglass', with guarded acne lancet.....	\$0.50
*C-4490	Dusmenil's .....	.50
C-4495	Jackson's, acne lancet.....	.80
C-4500	Jackson's, comedo expressor.....	.80
C-4505	Martin's, double.....	.75
C-4510	Saalfeld's, with acne lancet.....	.75
C-4511	Saalfeld's, short, with acne lancet.....	.35
C-4512	Schamberg's, illustration full size.....	1.25
C-4515	Unna's, double.....	.75
C-4516	Unna's, with lancet (same as C-4510).....	.75

## DERMAL CURETTES

*C-4520	Auspitz's .....	\$2.50
C-4525	Fox's .....	1.75
C-4530	Fox's, with acne lancet.....	2.50
C-4535	Hebra's .....	1.85
C-4540	Jackson's .....	2.25
C-4550	Piffard's .....	1.85
C-4558	Stelwagon's, 2 sizes of long oval spoons.....	2.00
*C-4560	Wolff's, light.....	1.85
*C-4565	Wolff's, heavy.....	3.00
C-4570	Wright's .....	1.20

## PENCIL

C-4572	Dermatograph, with metal protecting cap, blue or yellow.....	\$0.20
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## PUNCH

C-4574	Keyes', cutaneous, sizes 2 to 7 mm.....	\$2.00
	For eradicating powder marks, moles, etc.	

## STAPHYLORRHAPHY

*C-4595	Forceps, plain, straight, seizing, 1 and 2 teeth, \$1.20; 3 and 4 teeth, \$1.50; 4 and 5 teeth.....	\$1.75
*C-4600	Forceps, plain, curved, seizing, 1 and 2 teeth, \$1.35; 3 and 4 teeth, \$1.75; 4 and 5 teeth.....	2.00
*C-4605	Forceps, Walcher's, for removing sutures.....	6.50
C-4610	Hook, Langenbeck's, sharp.....	1.35
C-4615	Hook, Updegraff's, blunt.....	1.35
C-4628	Knife, Crile's .....	1.75
C-4630	Knife, Updegraff's, curved, sharp.....	2.10
C-4635	Knife, Whitehead's, gum.....	1.75
C-4640	Knife, Whitehead's, hoe shape.....	1.50
C-4645	Knife, paring .....	1.75
C-4655	Needle, Updegraff's, curved.....	1.50
*C-4665	Needle, Whitehead's, spiral.....	1.50
*C-4660	Needle, Updegraff's, full curved.....	1.50

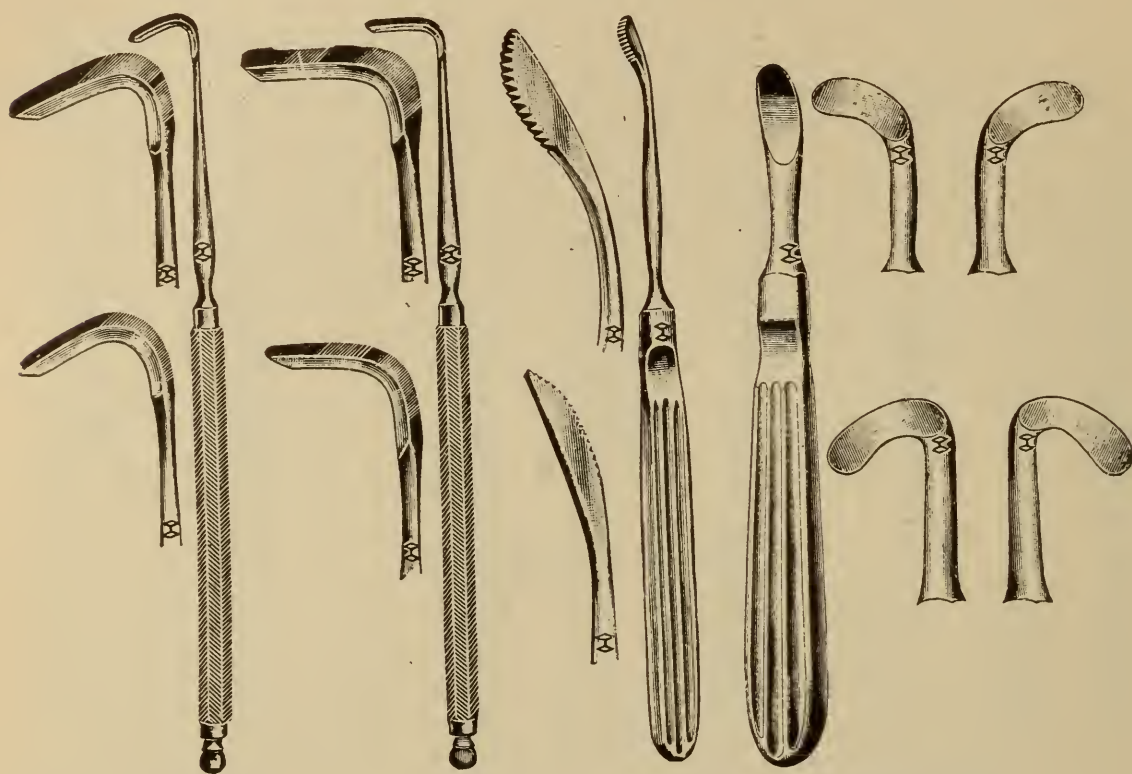


C-4572



C-4628

## STAPHYLORRAPHY INSTRUMENTS

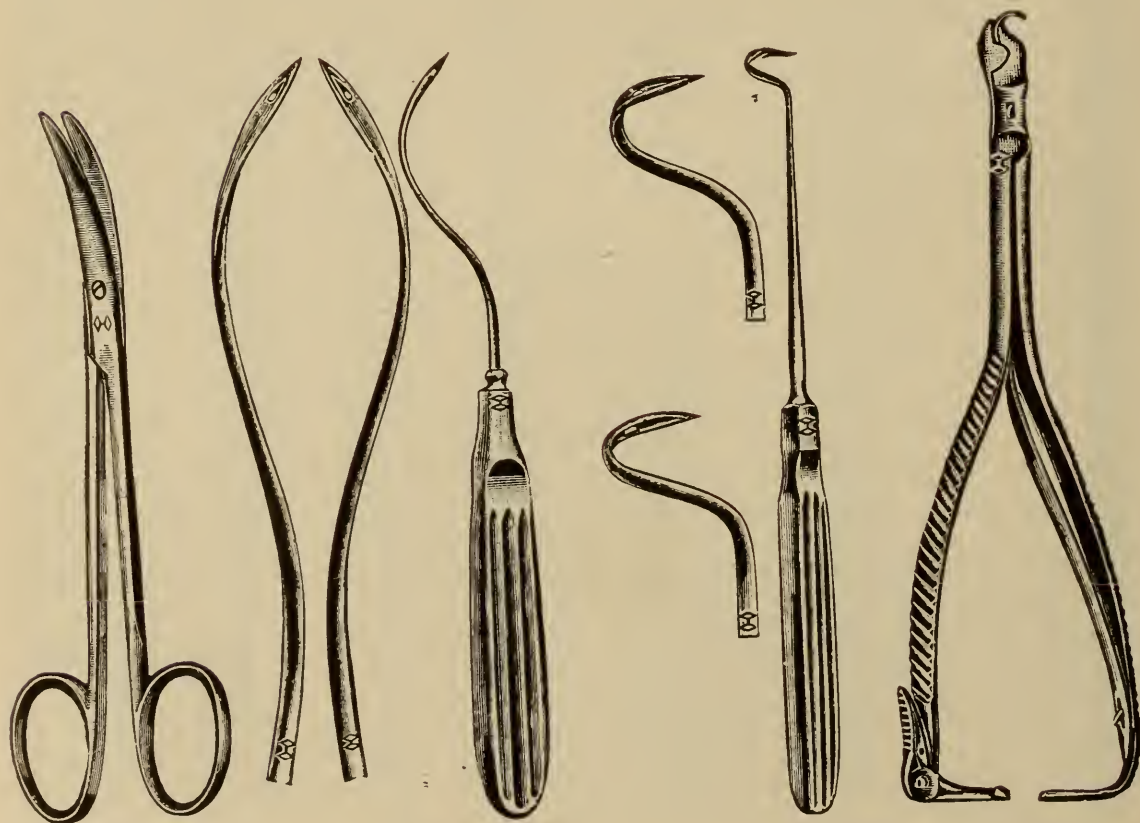


C-4675

C-4670

C-4684

C-4577-4579



C-4686

C-4650

C-4652

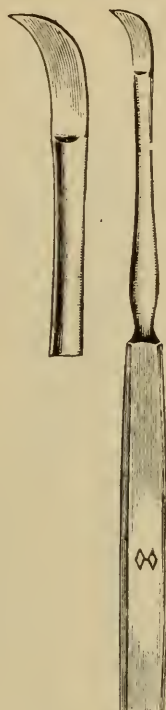
C-4654



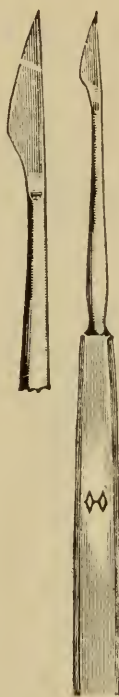
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C-4580



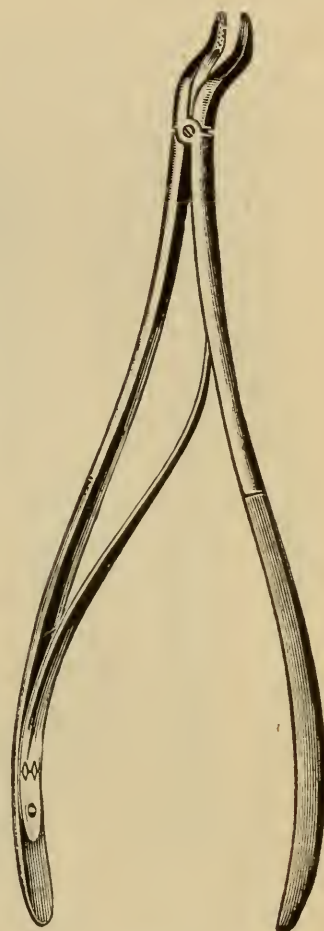
C-4629



C-4627



C-4631



C-4656

## STAPHYLORRAPHY INSTRUMENTS

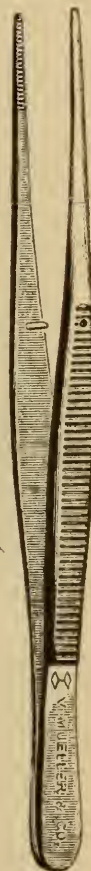
As Suggested by Dr. Truman Brophy

*C-4575	Chisel, long, narrow.....	\$1.35
*C-4576	Elevator, with raspatory.....	1.25
C-4577	Elevator, Trelat's, slightly curved on flat.....	1.75
C-4578	Elevator, Trelat's, slightly curved, angular, right or left, each.....	1.75
C-4579	Elevator, Trelat's, slightly curved downward, right or left, each.....	1.75
C-4580	Forceps, tissue, curved.....	3.00
C-4601	Forceps, tissue, straight.....	2.75
C-4602	Forceps, plain, straight, serrated points, 6½ in.....	1.25
*C-4581	Forceps, tongue, London pattern.....	3.00
*C-4582	Forceps, wire twisting.....	2.75
*C-4583	Hook, ligature.....	1.50
*C-4625	Knife, straight, with long shank, scalpel shaped.....	1.75
*C-4626	Knife, straight, double edged.....	1.75
C-4627	Knife, straight back, very thin blade.....	1.75
C-4629	Knife, curved bistoury.....	1.75
C-4631	Knife, angular, double edged.....	2.25
C-4650	Needles, bone, right and left, each.....	2.00
C-4652	Needles, Deschamp's, right and left, each.....	1.50
C-4654	Needle Holder, Brophy's.....	6.00
C-4656	Needle, Holder, Von Eiselberg's.....	4.75
C-4670	Pereosteotome, right angle, narrow and wide, each....	1.75
C-4675	Pereosteotome, acute angle, narrow and wide, each....	1.75
*C-4681	Plates, lead, 2 thicknesses (operation requires 6), each	.25
*C-4682	Punch, for lead plates.....	.75
C-4684	Scarifiers, right and left, each.....	2.00
C-4686	Scissors, Brophy's, gum, 5¾ in.....	1.50
*C-4688	Scissors, wire cutting.....	2.75
*C-4692	Shield, combined with nipple, to fit over nursing bottle	1.25
*C-4694	Shield, breast, for cleft palate babies.....	.90
*C-4695	Speculum, Brophy's, oval, set of 4 sizes, each, \$1.85; set .....	7.00

NOTE.—Other articles needed, which will be found under the needles and sutures in Section B, are as follows: ½ oz. spool No. 8 White Braided Silk, 2 coils Silver Wire Nos. 20 and 22, 1 bottle Horse Hair Suture, 12 round pointed Needles and 12 full curved Hagedorn Needles.

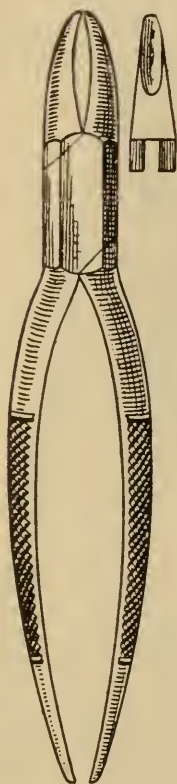


C-4601

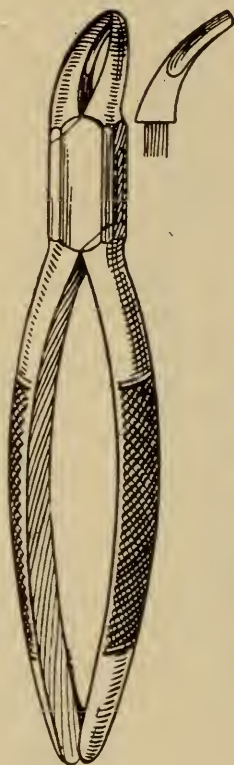


C-4602

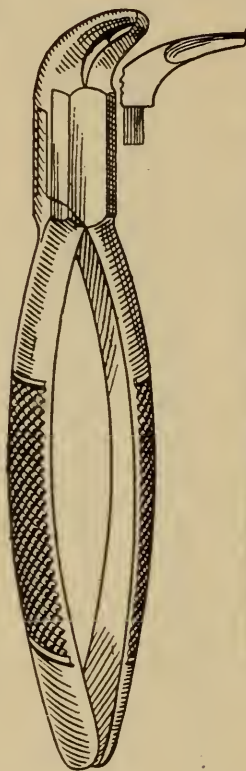
## DENTAL FORCEPS



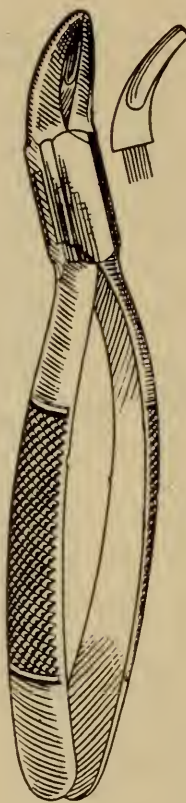
C-4710



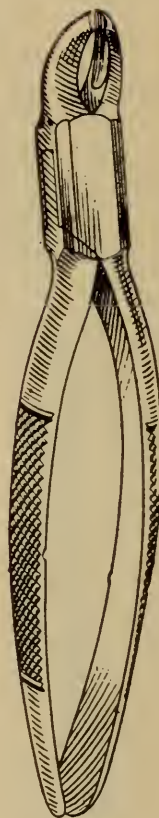
C-4715



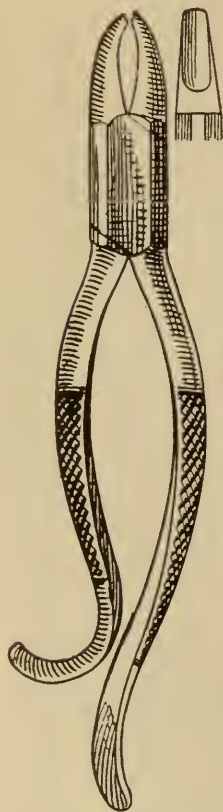
C-4720



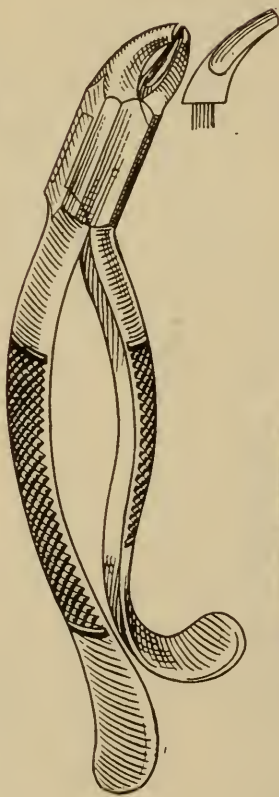
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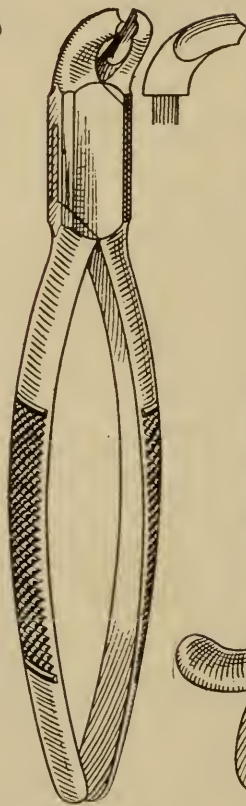
C-4735



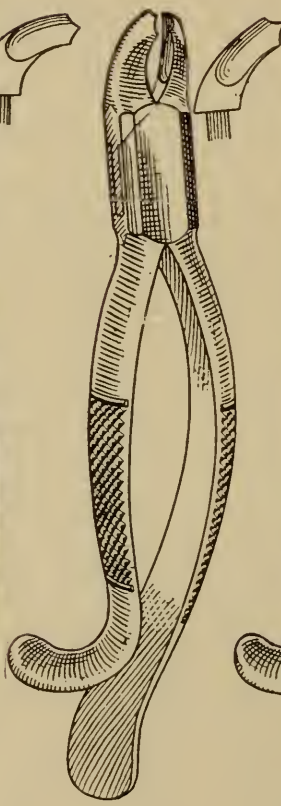
C-4705



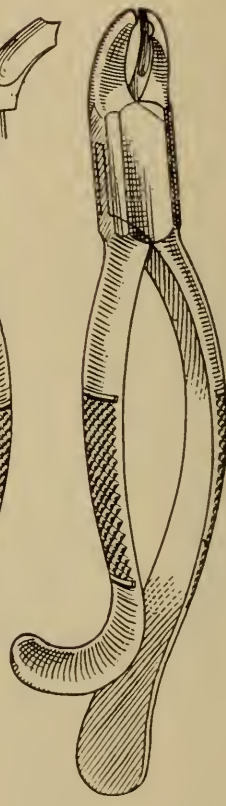
C-4700



C-4755



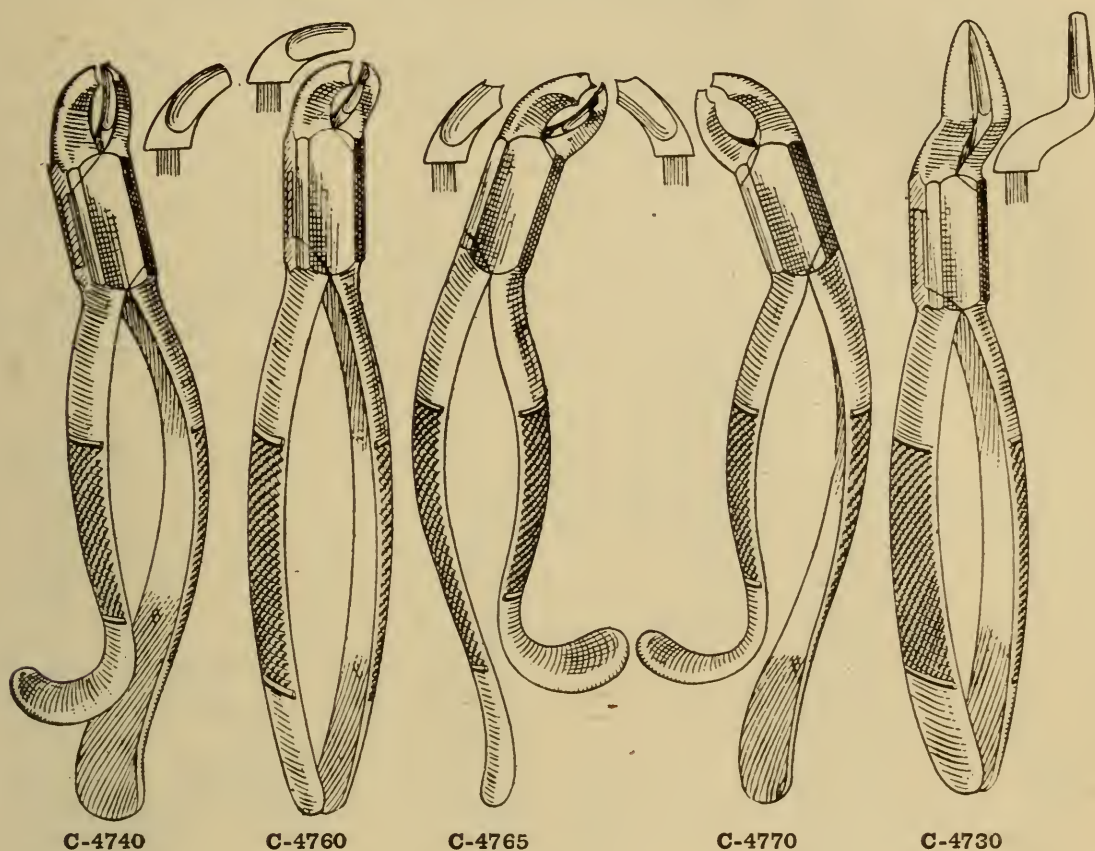
C-4745



C-4750



## DENTAL FORCEPS

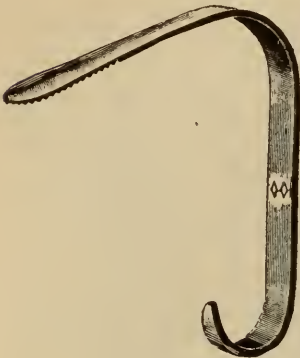


## DENTAL FORCEPS

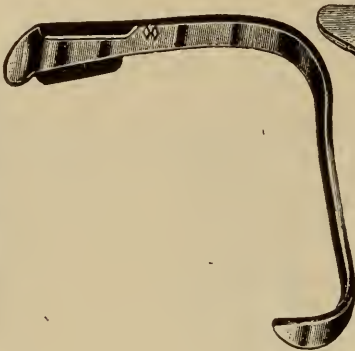
C-4700	Incisor Forceps, curved, lower, No. 14.....	\$1.75
C-4705	Incisor Forceps, upper, No. 13.....	1.75
C-4710	Root Forceps, straight, No. 1.....	1.75
C-4715	Root Forceps, half curved, upper, No. 2.....	1.75
C-4720	Root Forceps, full curved, lower, No. 3.....	1.75
C-4725	Root Forceps, upper, universal, No. 7.....	1.75
C-4730	Root Forceps, upper back, bayonet, No. 35.....	1.75
C-4735	Molar Forceps, upper or universal, No. 8.....	1.75
C-4740	Molar Forceps, upper or universal, curved handles, No. 24.....	1.75
C-4745	Molar Forceps, upper, right, No. 18 R.....	1.75
C-4750	Molar Forceps, upper, left, No. 18 L.....	1.75
C-4755	Molar Forceps, lower, either side, beaked jaw, No. 17.....	1.75
C-4760	Molar Forceps, lower, either side, plain jaw, No. 27.....	1.75
C-4765	Molar Forceps, lower, right, No. 28 R.....	1.75
C-4770	Molar Forceps, lower, left, No. 28 L.....	1.75
*C-4775	Root Extractors or Elevators, ebony handle, 12 styles.....each	1.00
*C-4780	Root Extractors or Elevators, metal handle, 12 styles.....each	1.75

We list only those forceps in common use by physicians. We can supply any style of forceps made for dentists' use. When ordering any forcep not listed use the numbers of the S. S. White Dental Co.

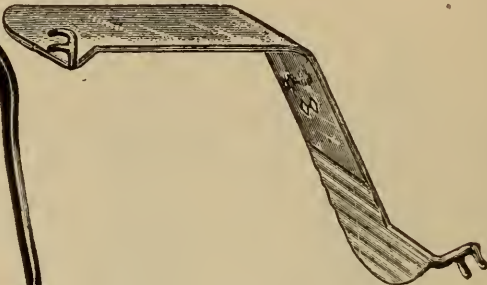
ORAL INSTRUMENTS



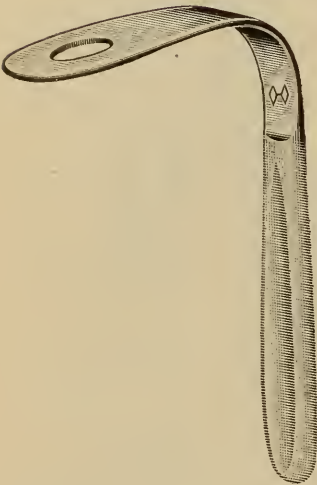
C-4828



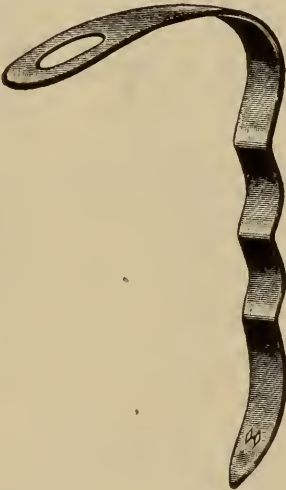
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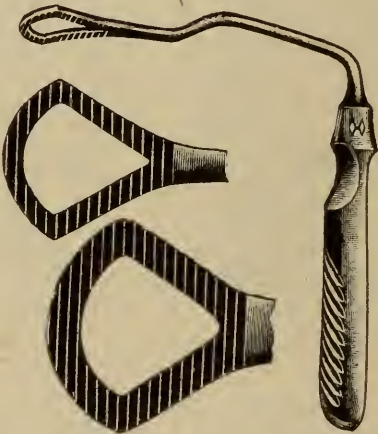
C-4834



C-4835



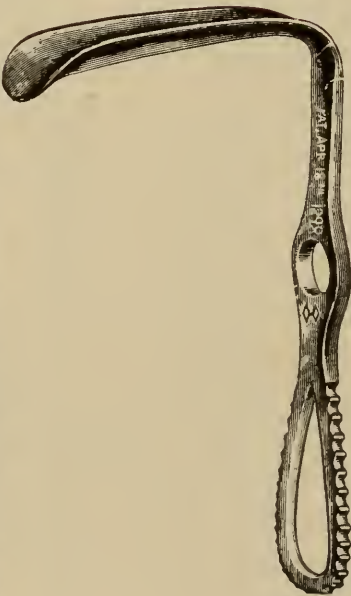
C-4842



C-4862



C-4848



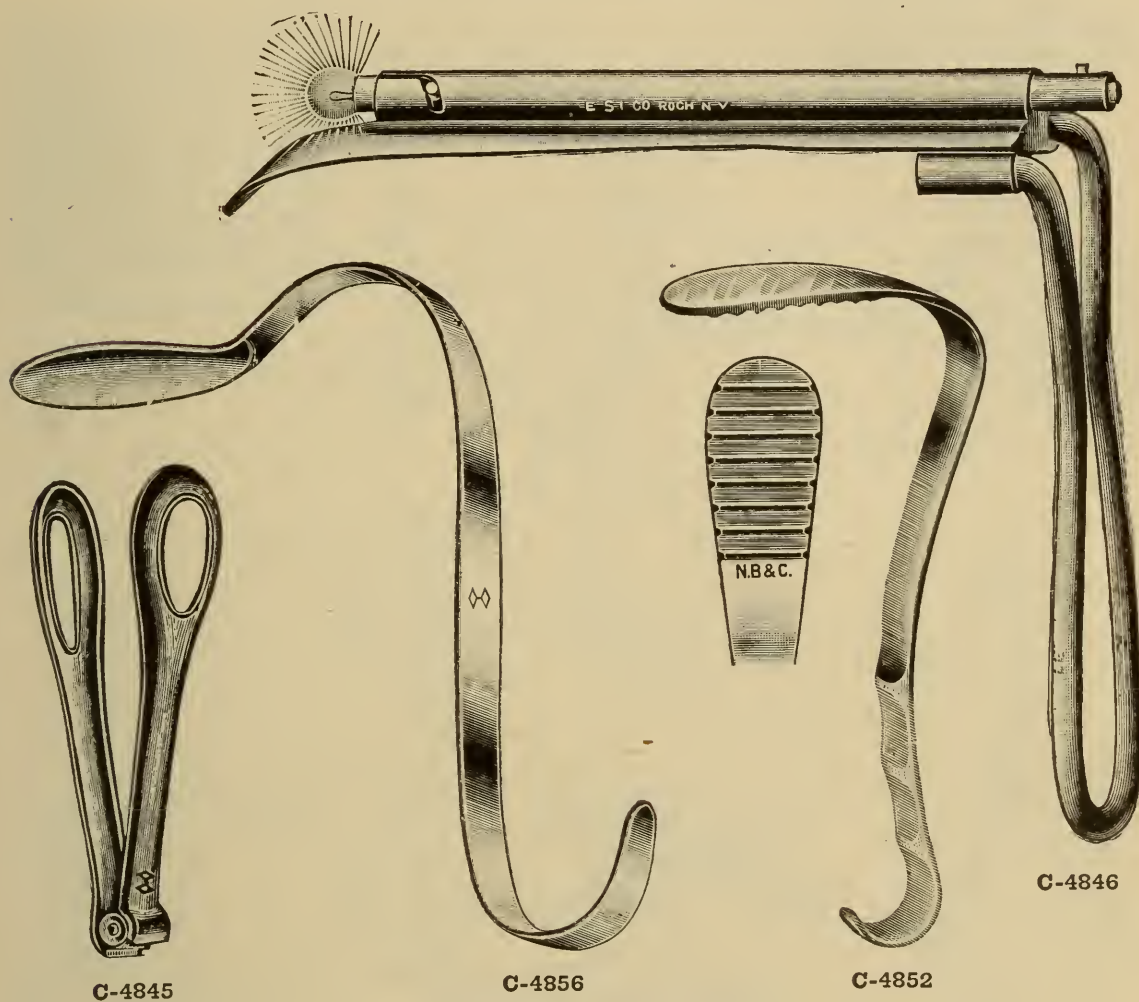
C-4880



C-4850



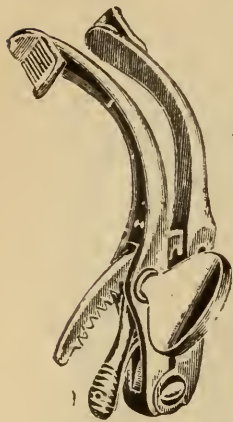
## ORAL INSTRUMENTS



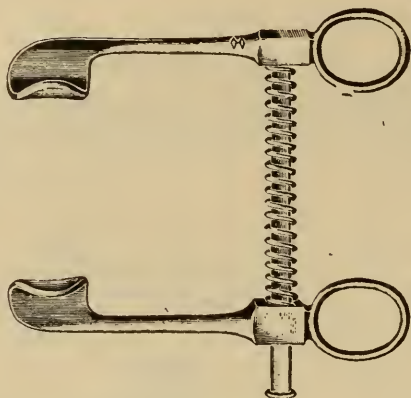
## TONGUE DEPRESSORS

C-4828	Andrew's, steel.....	\$1.10
C-4834	Bader's, with hooks to hold tonsil fauces.....	1.75
C-4835	Bosworth's .....	.90
C-4842	Dieckman's .....	.90
C-4845	Double, fenestrated, folding.....	.50
C-4846	Electro Surgical Inst. Co.'s, complete with electric lamp.....	3.00
The lamp is on the very end of the instrument, thus bringing the source of light as near as possible to the field that is being examined. It throws a steady, white light, showing the tissues in their normal colors, as seen by sunlight.		
C-4848	Farlow's, of forged steel.....	1.00
C-4850	Frankel's .....	1.10
*C-4855	Glass .....	.65
*C-4860	Haslam's, holder, for wood depressors.....	1.25
C-4852	Hamilton's, 2 sizes, child's, \$1.50; adults.....	1.75
Designed by Miss Hamilton, Head Anaesthetist at St. Barnabas Hospital, Minneapolis. In our judgment this is the best and most efficient Tongue Depressor obtainable, particularly desirable for use at operating table.		
*C-4854	Ideal, pocket illuminating set, complete with tongue depressor and set of specula.....	5.00
C-4856	Jackson's .....	1.50
C-4862	Layman's, 2 sizes.....	1.50
*C-4864	Pierce's, steel.....	1.00
*C-4841	Plain .....	1.00
*C-4865	Pyncheon's .....	1.20
C-4866	Pyncheon-Andrew's, latest model.....	1.50
*C-4870	Sass', plain .....	1.50
*C-4875	Sass', fenestrated .....	1.75
C-4880	Sawyer's .....	1.50
*C-4885	Snowden's, folding, nickel plated.....	1.25
*C-4886	Snowden's, aluminum .....	.75
*C-4888	Tuerck's, right or left, each.....	1.85
*C-4890	White's, self retaining.....	1.25
*C-4840	Wire, folding.....	.60
*C-4895	Wood Depressors, to fit Haslam handle, per box of 500.....	1.25

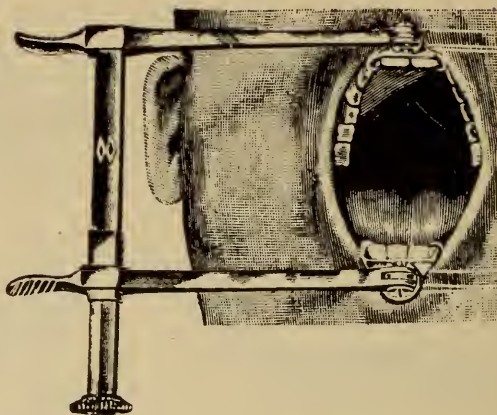
ORAL INSTRUMENTS



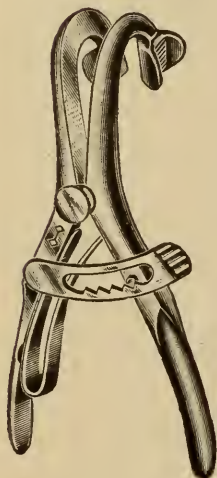
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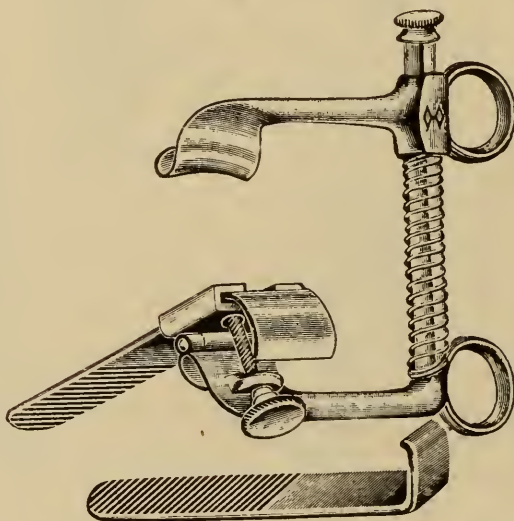
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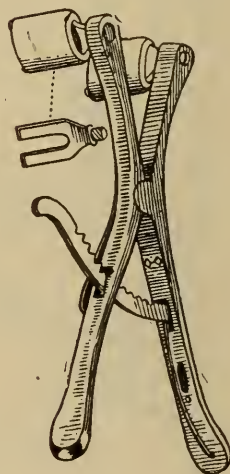
C-4781



C-4785



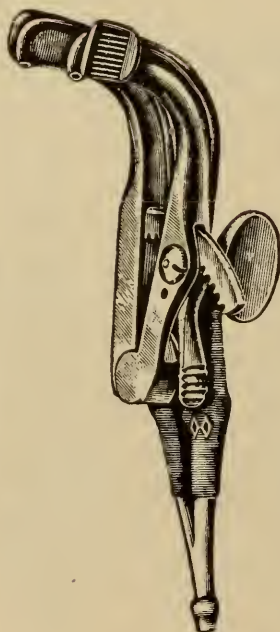
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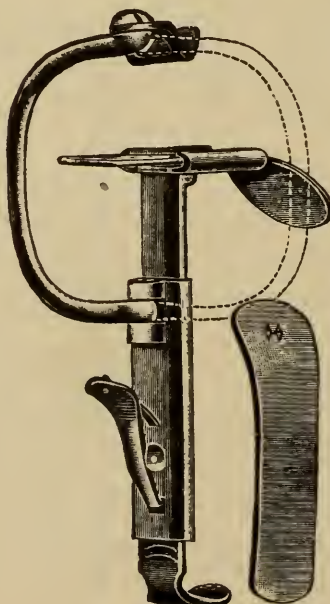
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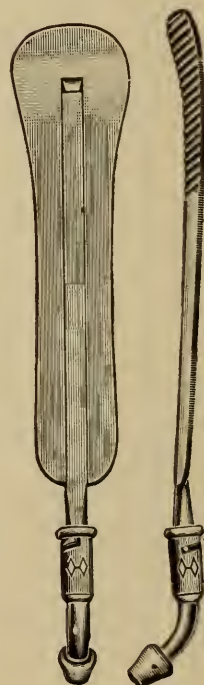
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C-4791



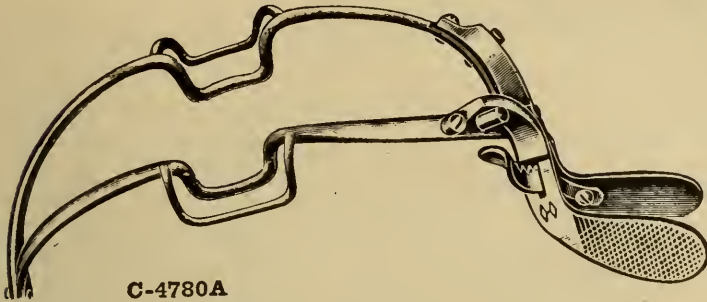
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C-4793



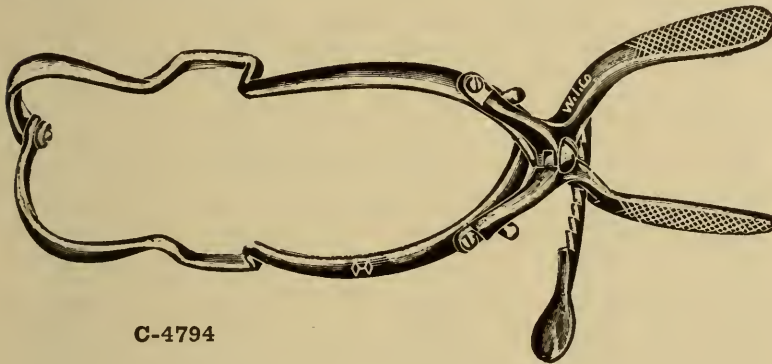
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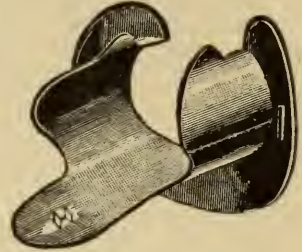
C-4780A



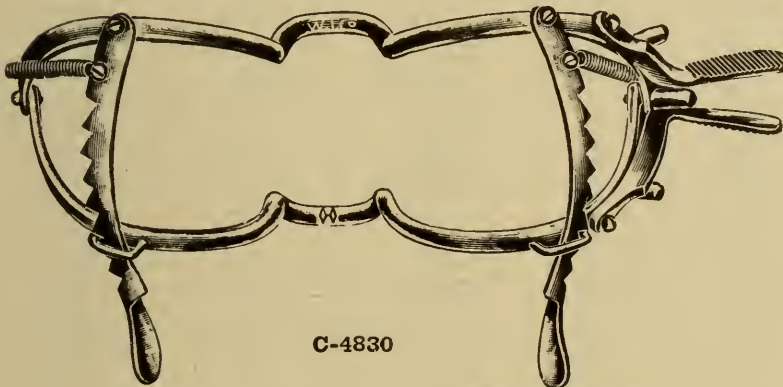
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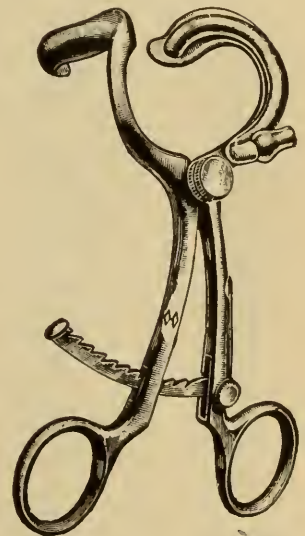
C-4794



C-4695



C-4830



C-4789

## MOUTH GAGS

C-4780A	Alter's, modification of Jennings's.....	\$8.75
C-4781	Beck's, for use in front of the mouth.....	5.75
C-4782	Brandt's, with 2 sizes of tongue depressors.....	5.00
C-4695	Brophy's, 4 sizes, each \$1.85; set of 4.....	7.00
C-4784	Cullom's, with 2 tongue depressors, adult's and child's.....	9.50
C-4785	Denhardt's, fine, all steel.....	2.50
C-4787	Denhardt's, with anaesthesia tube.....	5.00
*C-4788	Doyen's, plain.....	4.00
C-4789	Doyen's, with anaesthesia tube.....	6.50
C-4790	Ferguson's.....	3.50
C-4791	Ferguson-Gwathney, with anaesthesia tube.....	6.00
C-4795	French's.....	3.50
C-4792	Green-Sewall's, with 2 tongue depressors.....	10.00
C-4793	Green-Sewall's, Depressor Blade, with anaesthesia tube, extra.....	2.50
C-4794	Jenning's, 2 sizes, modification of Whitehead's, each.....	6.00
*C-4798	Jenning's, 2 sizes, with anaesthesia tube.....	7.50
C-4815	Murdock's.....	2.75
C-4818	Oral Screw, hard rubber.....	.60
*C-4820	Pynchon's, with rubber protected swivel mouth pieces.....	7.50
*C-4822	Spark's, with 2 tongue depressors, one for adults and one for children, net	3.00
C-4824	Stubbs'.....	2.75
C-4830	Whitehead's, plain, 2 sizes, adult's and child's, each.....	5.50
*C-4832	Whitehead's, with tongue depressor, 2 sizes, adult's and child's each....	7.25

## UVULA RETRACTORS

*C-4900	Hind's.....	.90
*C-4910	Roe's.....	.90
*C-4915	Turk's.....	.60
*C-4920	White's, self retaining.....	1.35

## UVULA SCISSORS

*C-4925	Plain, flat curved.....	1.75
*C-4930	Wood's, flat curved, with claws.....	3.50

# TONSIL INSTRUMENTS



C-4984



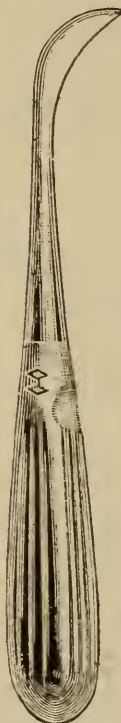
C-4980



C-4985



C-4982



C-5002



C-4999



C-4992



C-4989



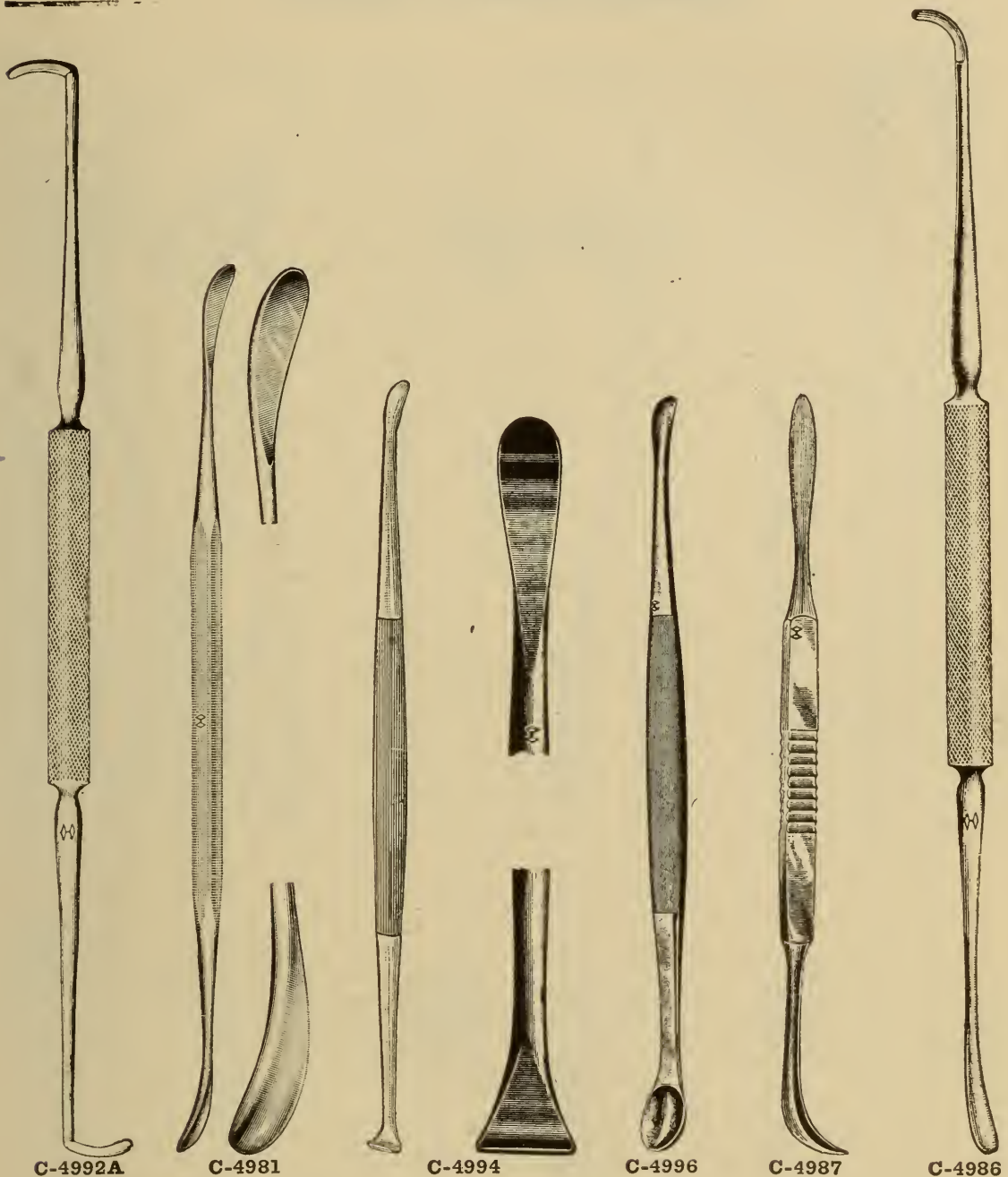
C-4988



C-4983



## TONSIL INSTRUMENTS



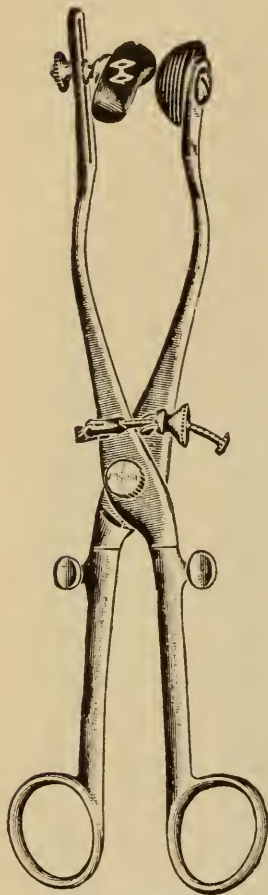
## TONSIL CURETTES

C-4980	Abraham's .....	\$1.85
C-4985	Meierhof's .....	2.50

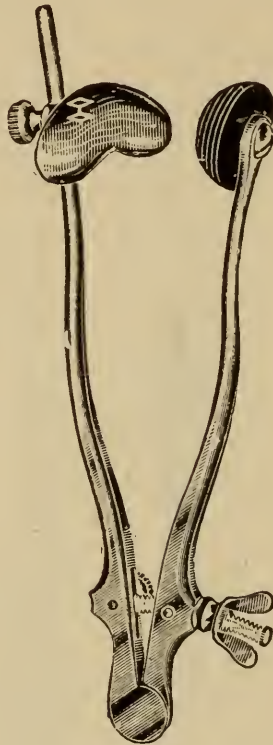
## TONSIL DISSECTORS

C-4981	Allerdyce's, double ended.....	\$2.00
C-4992	Carpenter's, double ended, latest model.....	3.50
C-4992A	Cullom's, double ended, right and left.....	3.75
C-4993	Dickinson's, dissector .....	1.50
C-4982	Freer's, pillar separator.....	1.75
C-4983	Harris', dissector and knife.....	3.00
C-4994	Hurd's, dissector and pillar retractor.....	2.25
C-5017	Lynch's, dissector.....	1.50
C-4984	Martin's, double ended, blades serrated on one side.....	3.50
C-4996	McWhinnie's, dissector and spoon.....	2.50
C-4986	Millette's, dissector and knife.....	3.00
C-4987	Smith's, double ended.....	1.50
C-4988	Tivnen's, dissector and enucleator.....	2.10
C-4999	Todd's, dissector.....	2.00
C-4989	Winkler's, enucleator.....	1.75
C-5002	Yankauer's, large .....	2.00
C-5003	Yankauer's, small .....	1.75

TONSIL INSTRUMENTS



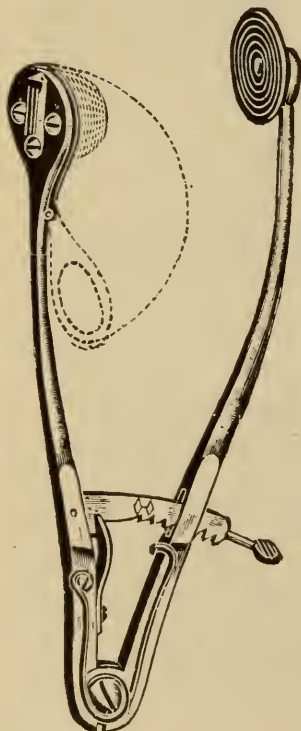
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C-4973



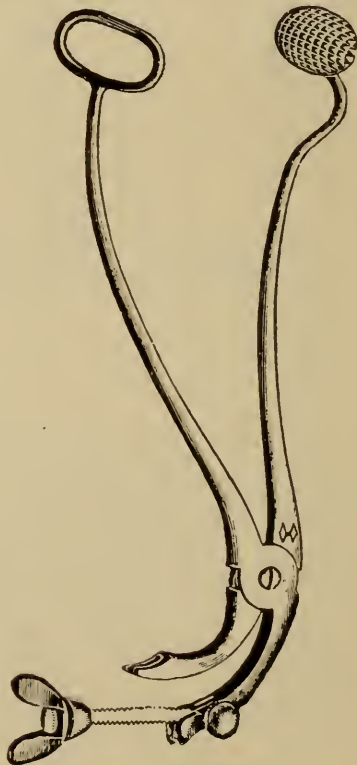
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C-5003



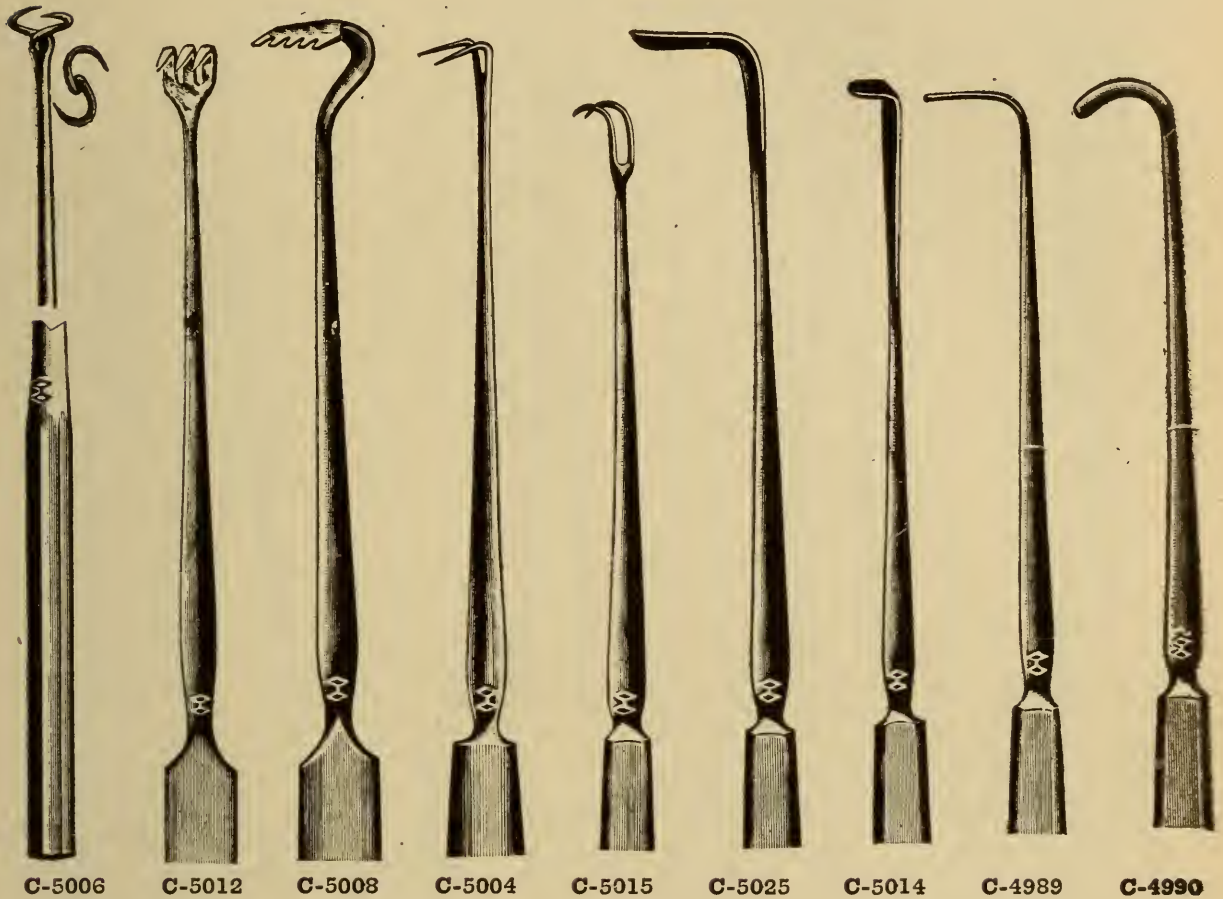
C-5002



C-5007



## TONSIL INSTRUMENTS



## TONSIL HAEMOSTATS

C-5001	Beck's, with inner blade arranged to hold gauze pad.....	\$7.75
C-4973	Boettcher's .....	4.50
C-5002	Corwin's, with spring clamps to hold gauze pad.....	6.75
C-5003	Cullom's, with clamp to hold gauze pad on inner blade.....	7.50
*C-4974	Good's, self-adjustable .....	4.50
C-4975	Mickulicz-Stoerck's .....	8.00
C-5007	Tivnen's, pad of aluminum.....	6.75

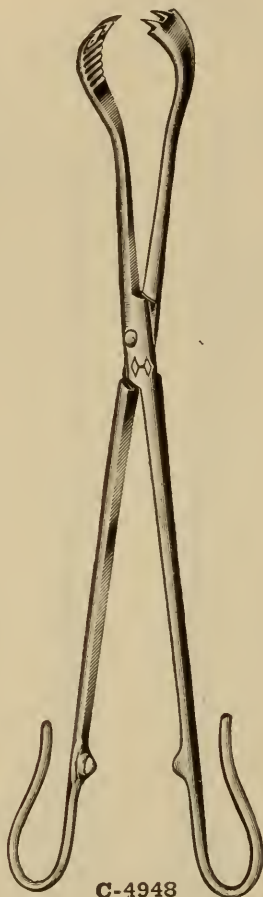
## TONSIL HOOKS

C-5004	Boettcher's, double.....	\$1.65
C-5006	Carter's, tenaculum.....	1.75
C-5008	Dickinson's, retractor .....	2.00
C-5012	Dickinson's, tenaculum, 3 prong.....	1.75
C-5014	Jackson's, splitter.....	1.50
*C-5007	Lewis', screw.....	2.25
*C-4995	Pierce's, tonsil hook.....	1.75
*C-5000	Plain, single, sharp.....	1.25
*C-5005	Plain, single, blunt.....	1.50
C-5015	Plain, double, sharp.....	1.50
C-5025	Pond's, dissecting.....	1.75
C-4989	Schmidt's, splitter, bent on flat .....	1.75
C-4990	Schmidt's. splitter, bent on edge .....	1.75

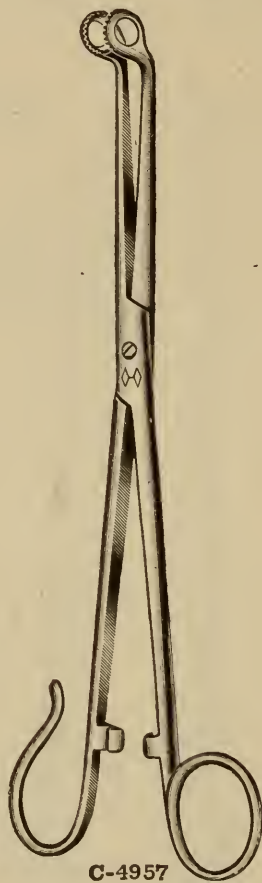
TONSIL INSTRUMENTS



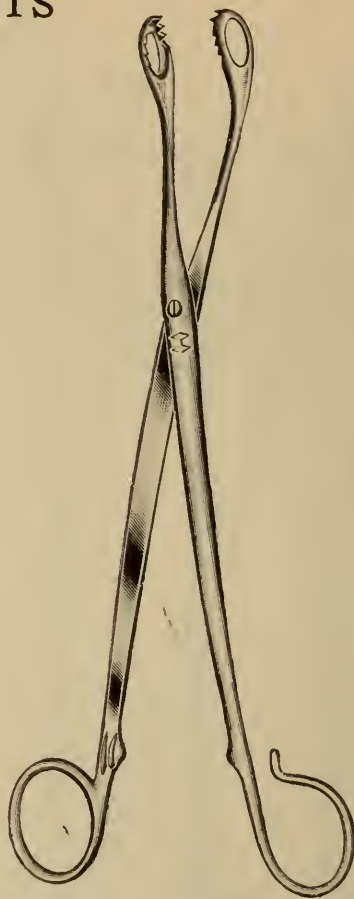
C-4937



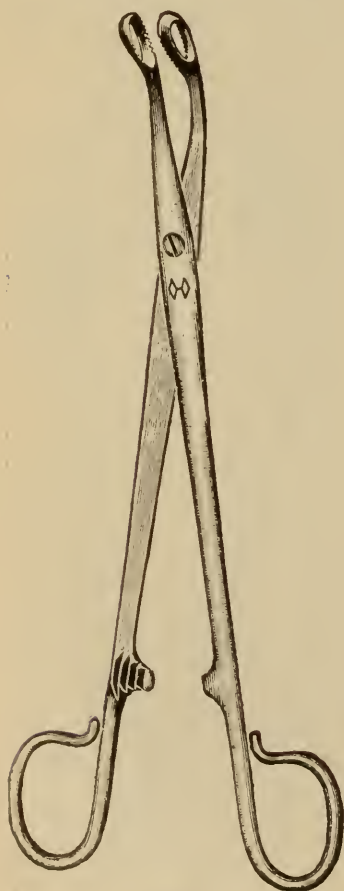
C-4948



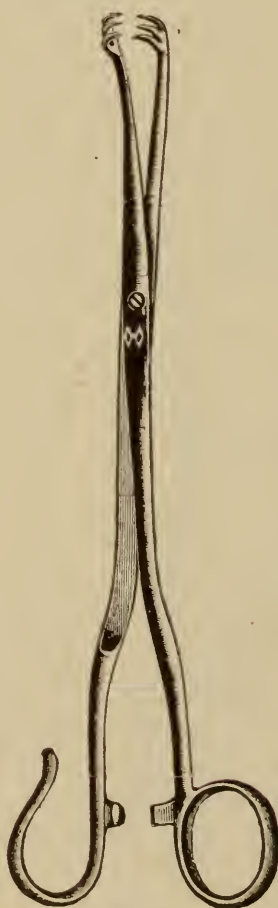
C-4957



C-4947



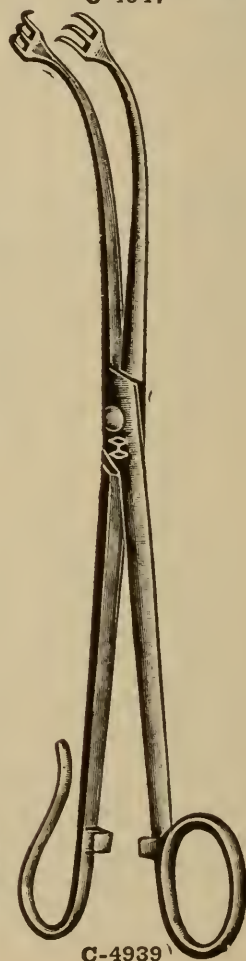
C-4931



C-4941



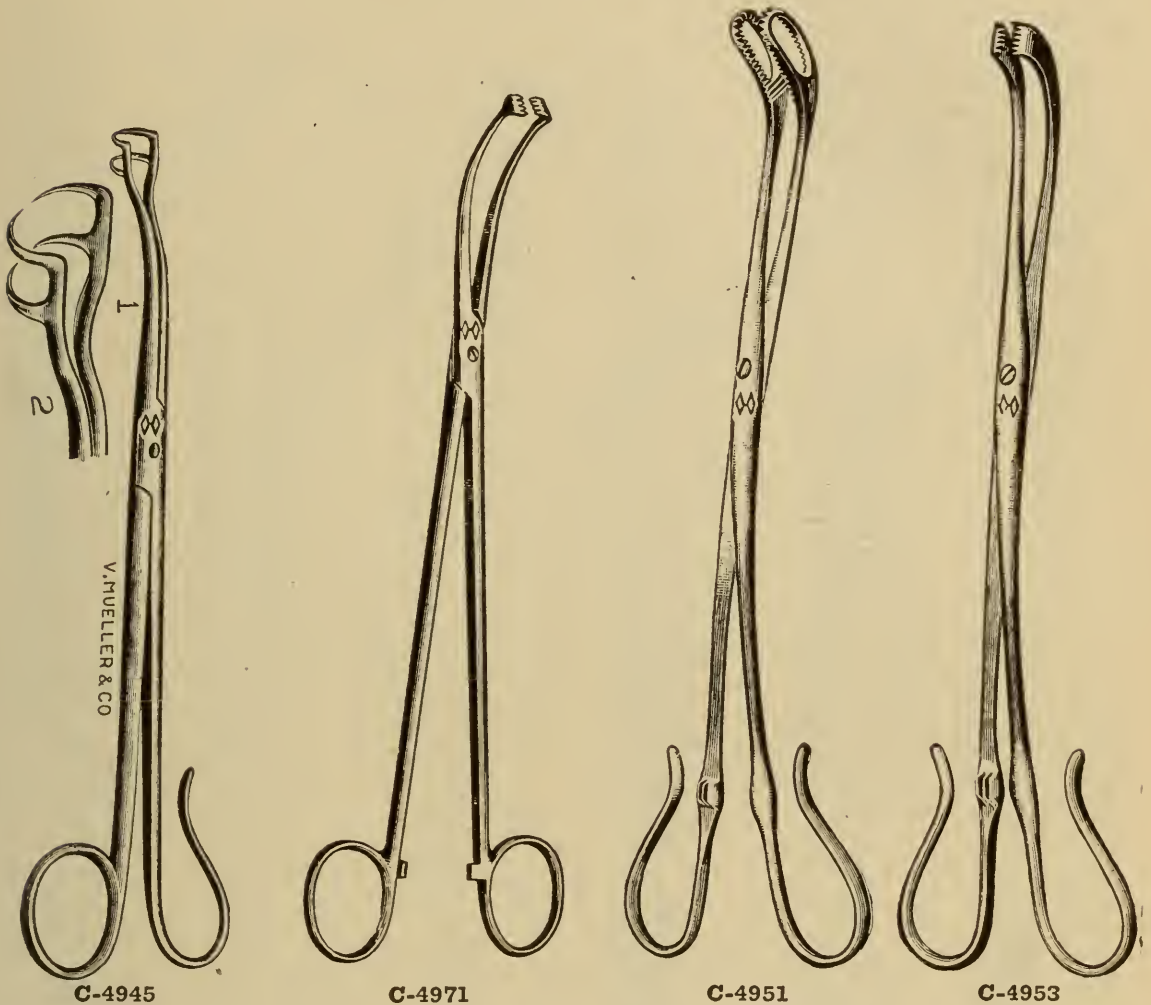
C-4936



C-4939



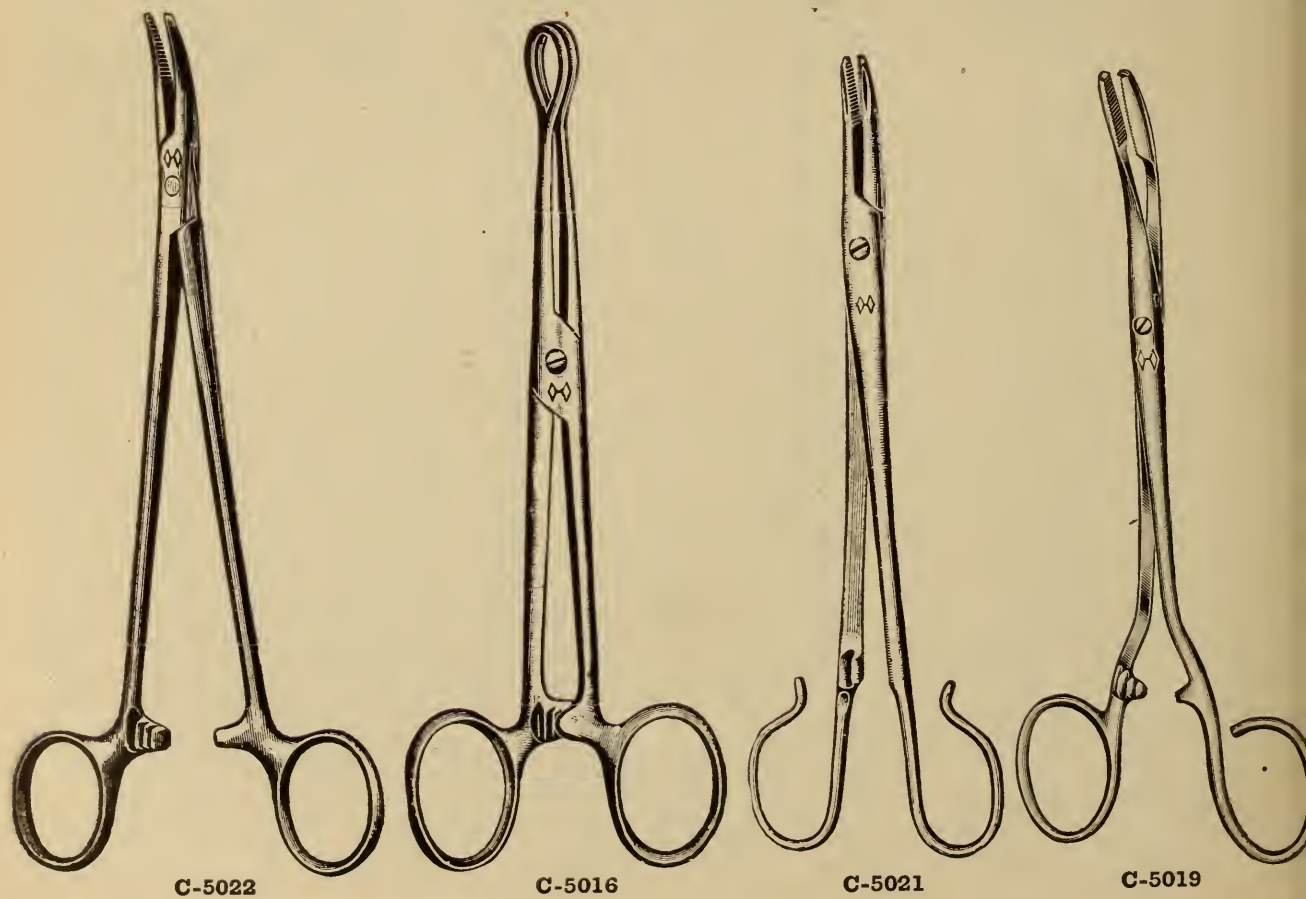
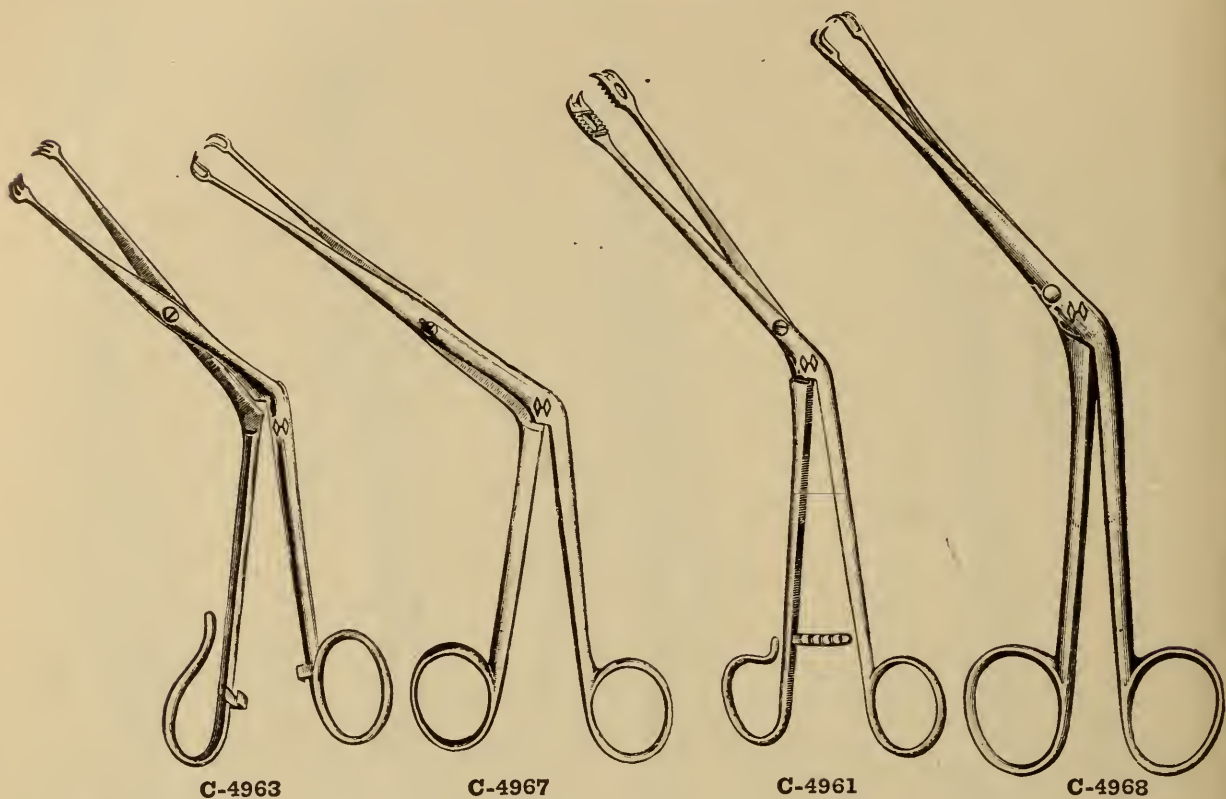
## TONSIL INSTRUMENTS



## TONSIL FORCEPS

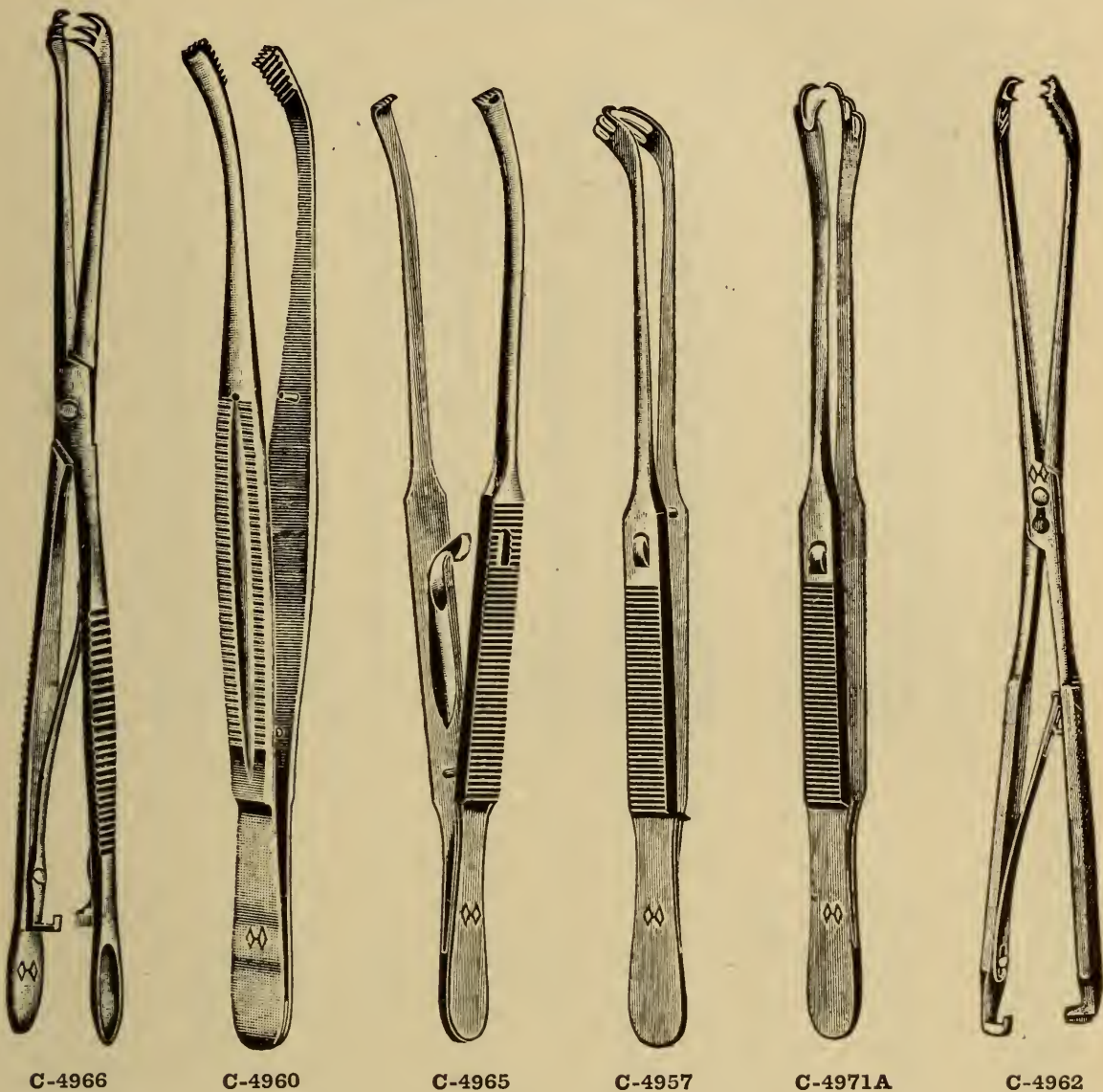
C-4931	Abraham's .....	\$4.20
*C-4935	Andrews', 2 closed rings.....	2.25
C-4936	Andrews', 1 open ring.....	2.50
C-4937	Andrews', 2 open rings.....	2.75
*C-4938	Ballenger's, 2 closed rings.....	2.50
C-4939	Ballenger's, 1 open ring.....	2.60
C-4941	Canfield's .....	3.25
C-4945	Casselberry's, 1 open ring.....	2.75
*C-4946	Cullom's .....	4.50
C-4947	Eve's .....	3.50
*C-4954	Hatteroth's .....	3.00
C-4948	Lynch's, 2 open rings.....	3.50
*C-4949	Page's .....	3.50
C-4951	Royce's, seizing.....	4.00
C-4953	Royce's, haemostat and sponge holding.....	3.25
C-4957	Todd's .....	3.50
*C-4969	Welty's .....	2.50
C-4971	White's .....	3.00

## TONSIL INSTRUMENTS





TONSIL INSTRUMENTS



TONSIL FORCEPS, ANGULAR

C-4961	Boettcher's .....	\$4.00
C-4963	Moraweck's .....	3.85
*C-4964	Tivnen's .....	3.50
C-4967	Tyding's .....	2.75
C-4968	Watson's .....	2.75

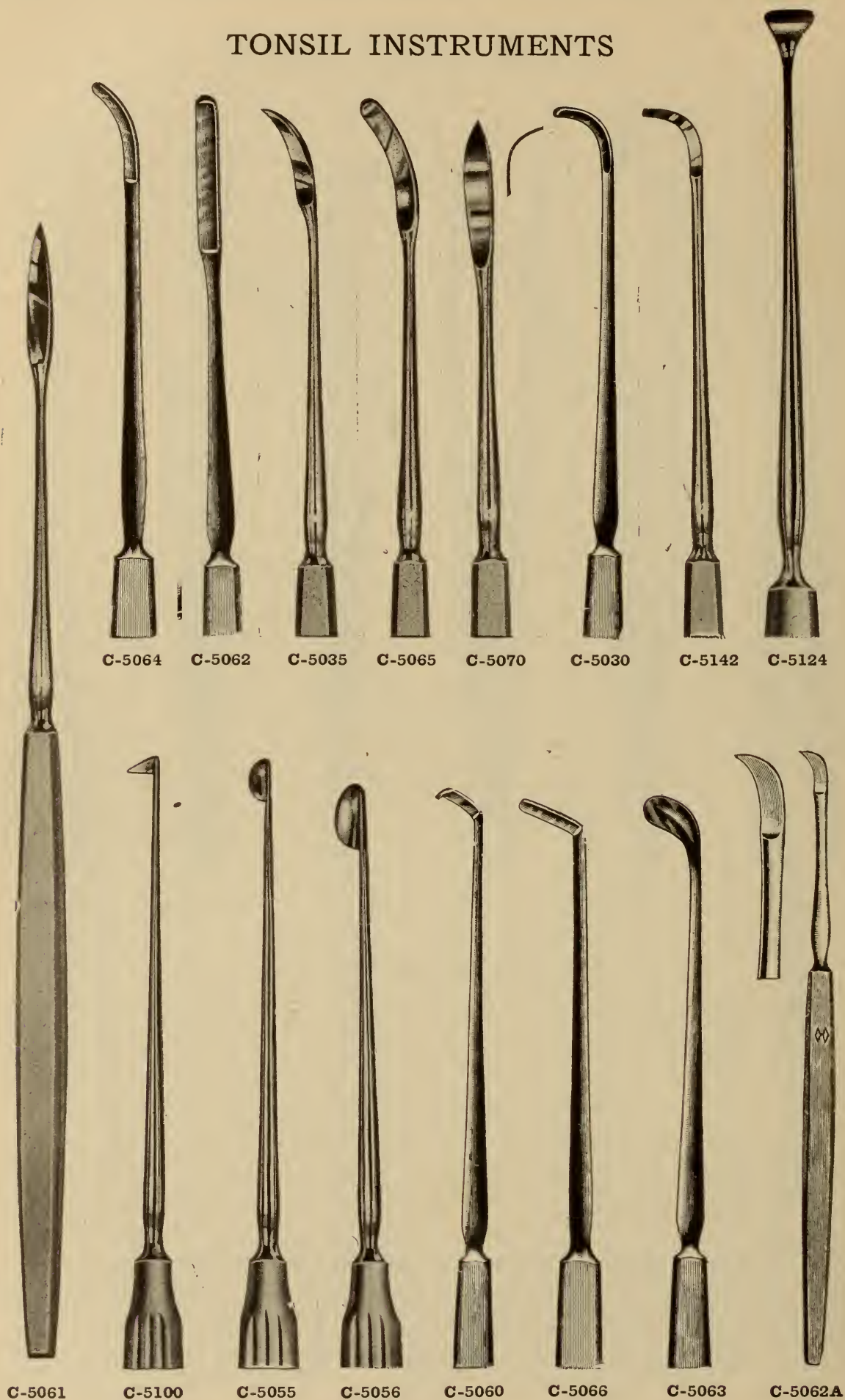
TONSIL FORCEPS, SPRING HANDLES

C-4957	Plain, with Andrews' jaws.....	\$3.00
C-4960	Pynchon's .....	2.50
C-4962	Richard's .....	3.50
C-4965	Robertson's .....	3.00
C-4966	Swan's .....	4.25
C-4971A	Yankauer's .....	3.00

TONSIL HAEMOSTATS AND SPONGE FORCEPS

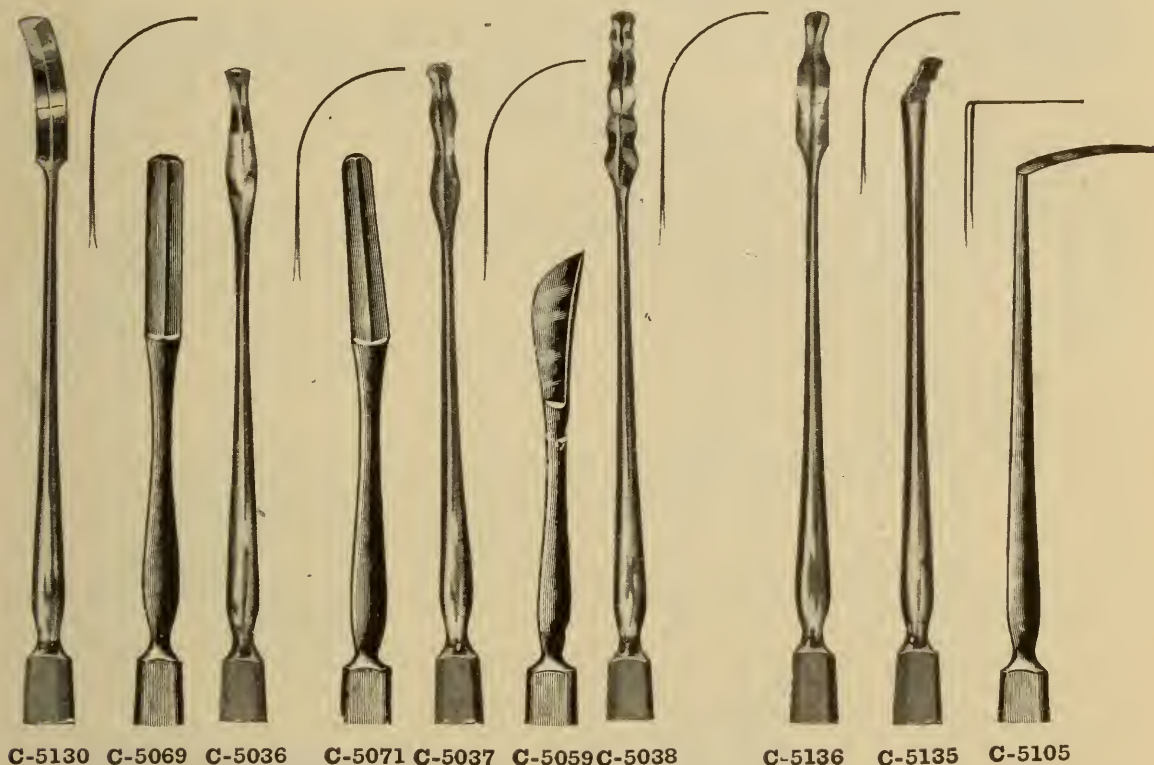
C-5016	Ballenger's, sponge holding, 8-inch, smooth blades.....	\$1.60
*C-5017	Beck's, angiotriptic haemostat.....	2.75
*C-5018	Dean's (Shallcross'), haemostatic.....	3.50
C-5019	Patton's, haemostatic.....	2.25
C-5021	Sawtelle's, pointed, for grasping submerged tonsils, and controlling haemorrhage .....	2.50
C-5022	Schmidt's, haemostatic .....	2.00

## TONSIL INSTRUMENTS





## TONSIL INSTRUMENTS

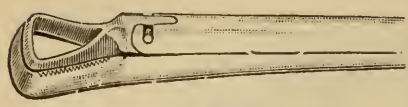


## TONSIL KNIVES

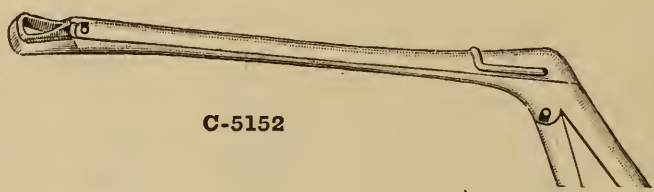
C-5030	Abraham's .....	\$2.25
C-5035	Abraham's, curved, double edge.....	2.25
C-5036	Allport's, curved, single wave edge.....	2.10
C-5037	Allport's, curved, triple wave edge.....	2.10
C-5038	Allport's, curved, quadruple wave edge.....	2.25
C-5055	Ballenger's, pillar, small.....	1.75
C-5056	Ballenger's, pillar, large.....	1.75
C-5059	Beck's, scalpel.....	1.75
C-5061	Bistoury, straight, sharp.....	2.00
C-5062	Bistoury, straight, probe pointed.....	2.00
C-5065	Bistoury, curved, probe pointed.....	2.00
C-5062A	Candfield's .....	2.10
C-5063	Carney's, pillar.....	1.75
C-5064	Day's, curved.....	2.00
C-5066	Day's, angled on edge.....	2.00
C-5069	Dean's, straight, double edge.....	2.00
C-5071	Dean's, angled on flat, double edge.....	2.00
C-5060	Douglass' .....	1.75
C-5070	Freer's, curved, right and left, each.....	2.25
*C-5072	Freer's, pillar, angled on flat, large, 9½ inches long.....	2.75
*C-5073	Freer's, pillar, angled on flat, narrow.....	2.00
C-5100	Kyle's, crypta.....	1.85
C-5101	Lathrop's, double.....	2.25
C-5105	Leland's, right and left.....	2.40
C-5123	Pierce's, dissecting, curved, small.....	2.10
C-5124	Pierce's, dissecting, curved, large.....	2.10
C-5130	Robertson's, curved, double edge.....	2.25
C-5135	Swan's, right angled, wave edge.....	2.25
C-5136	Swan's, curved, wave edge.....	2.25
C-5142	Tyding's, curved on edge.....	2.10



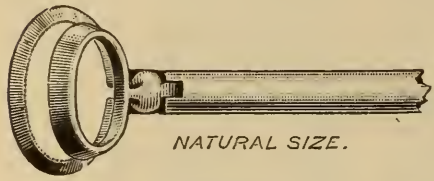
TONSIL INSTRUMENTS



C-5152

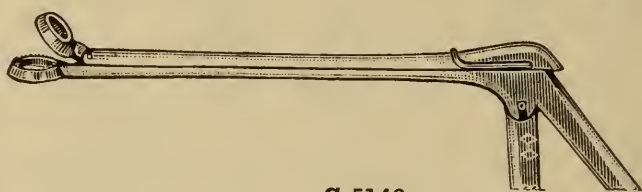


C-5152



NATURAL SIZE.

C-5146

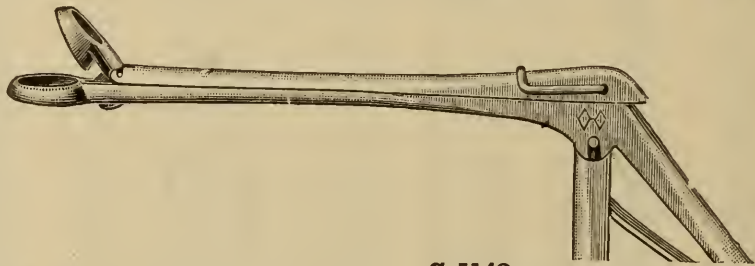


C-5146



NATURAL SIZE.

C-5148

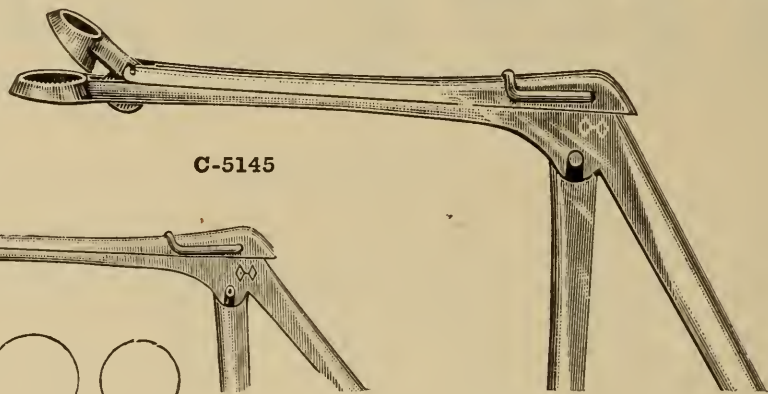


C-5148



NATURAL SIZE.

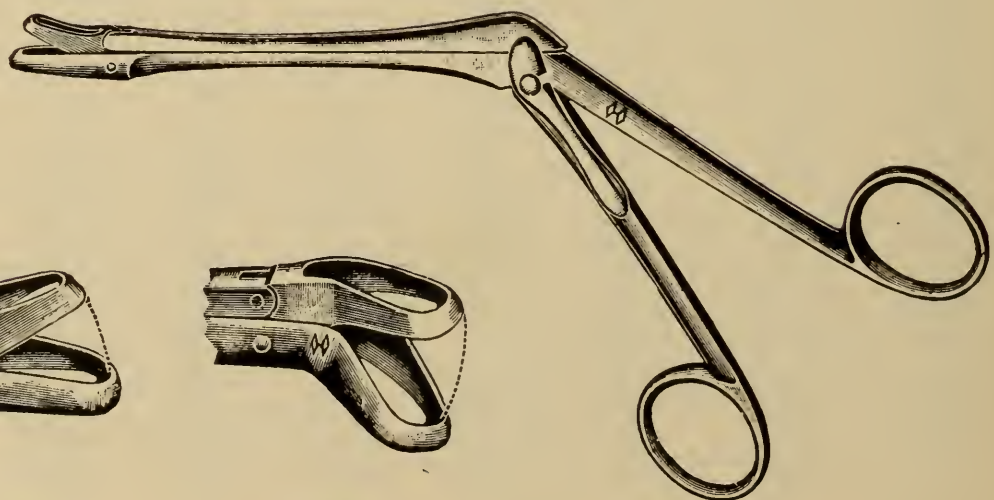
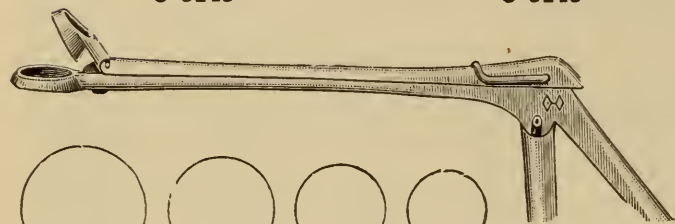
C-5145



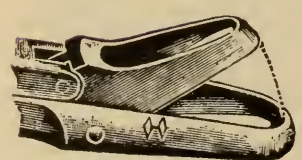
C-5145



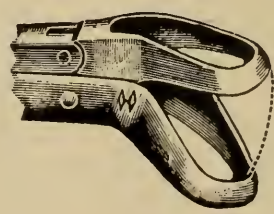
C-5150



C-5160



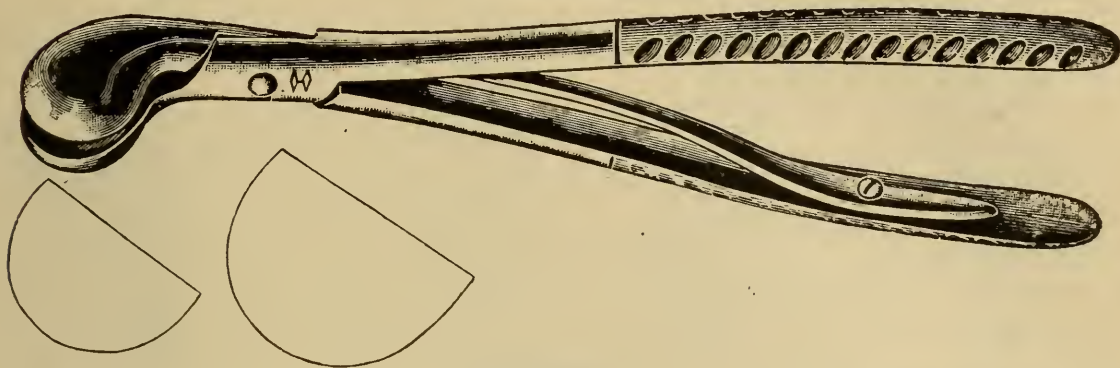
C-5160



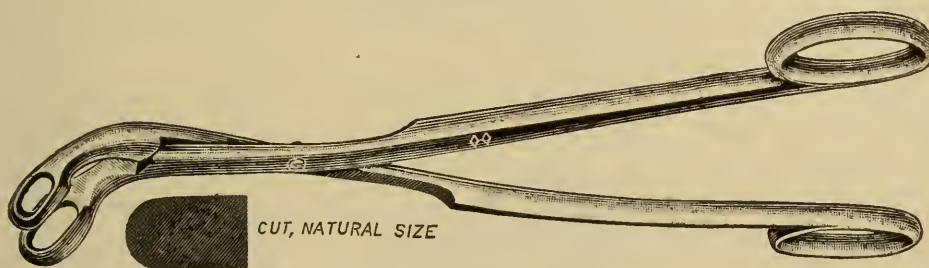
C-5165



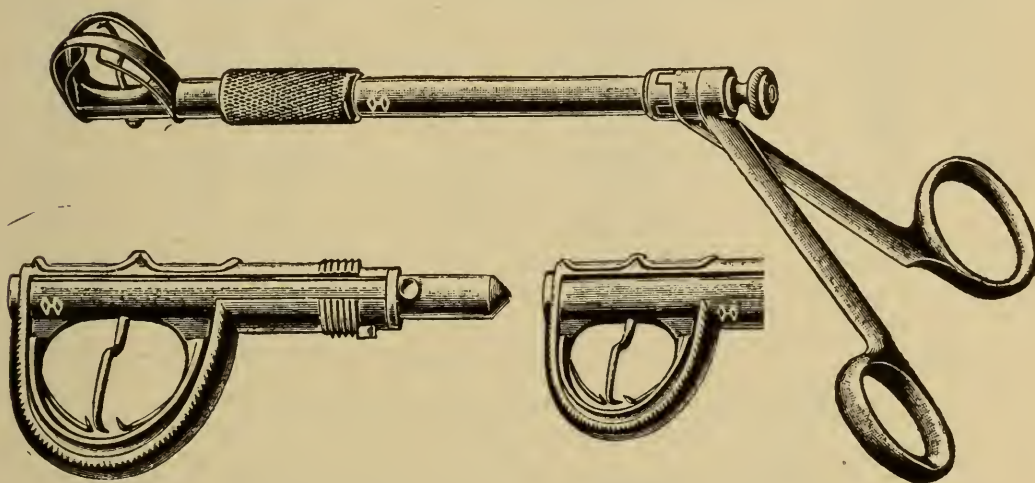
## TONSIL INSTRUMENTS



C-5153-5154



C-5175



C-5180

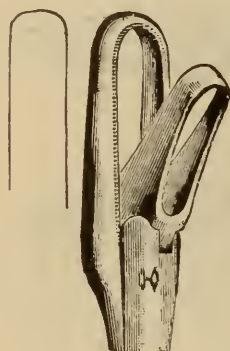
C-5182

C-5184

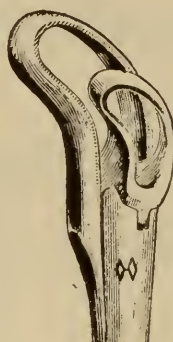
## TONSIL PUNCHES

C-5145	Farlow's .....	\$10.25
C-5146	Hartman's, oval, straight.....	12.00
*C-5147	Hartman's, oval, turned up.....	12.00
C-5148	Hartman's, heavy, round, with spring, 2 sizes.....	13.50
C-5149	Hartman's, heavy, round, with spring, turned up.....	14.50
C-5150	Hartman's, round, straight, 8 sizes, each.....	8.50
C-5152	Hartman's, triangular, straight.....	11.50
C-5153	Klapp's, small.....	5.75
C-5154	Klapp's, large.....	6.00
C-5160	Myles', rounded beak, straight, antero-posterior.....	10.25
C-5165	Myles', rounded beak, lateral curve, right.....	12.00
*C-5170	Myles', rounded beak, lateral curve, left.....	12.00
C-5175	Rhodes' .....	8.50
C-5180	Roberts', latest, with claws, large.....	12.50
C-5182	Roberts', latest, with claws, small.....	12.50
C-5184	Roberts', latest, with claws, 2 blades.....	21.50
*C-5185	Ruault's, latest, larger blade cutting downward.....	10.50
*C-5190	Ruault's, latest, larger blade cutting upward.....	10.50

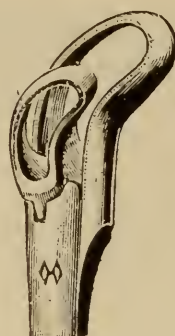
## TONSIL INSTRUMENTS



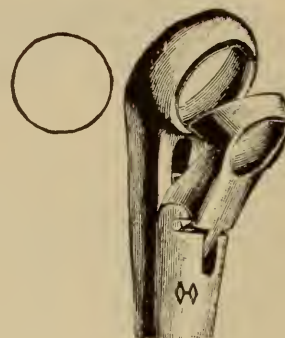
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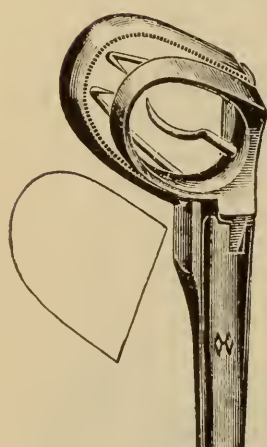
C-5198



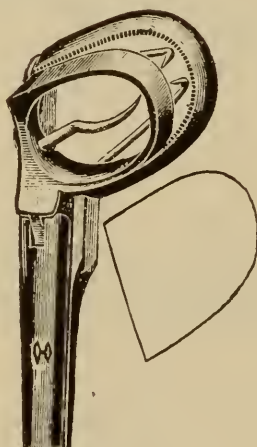
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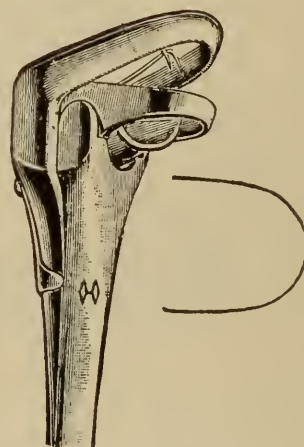
C-5202



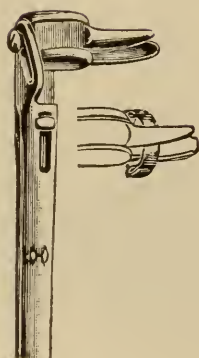
C-5199B



C-5199A



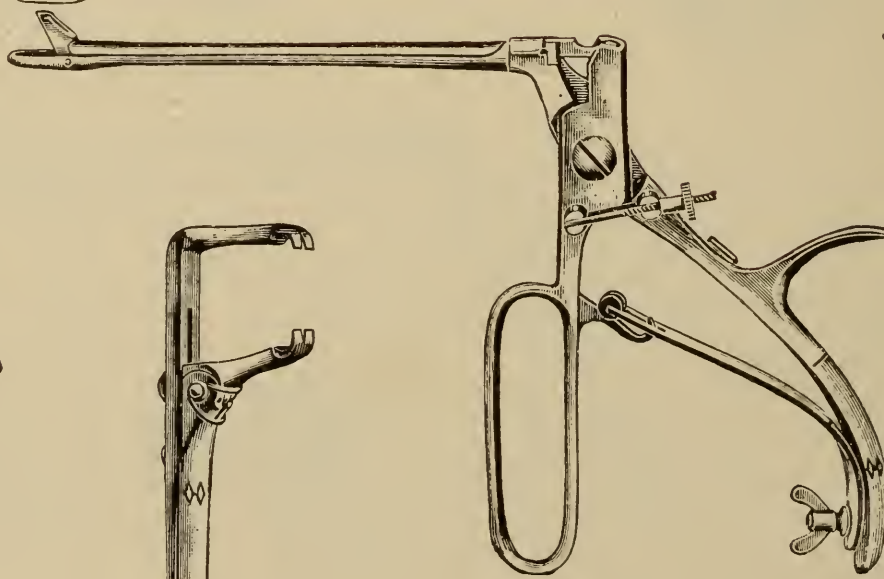
C-5199



C-5206



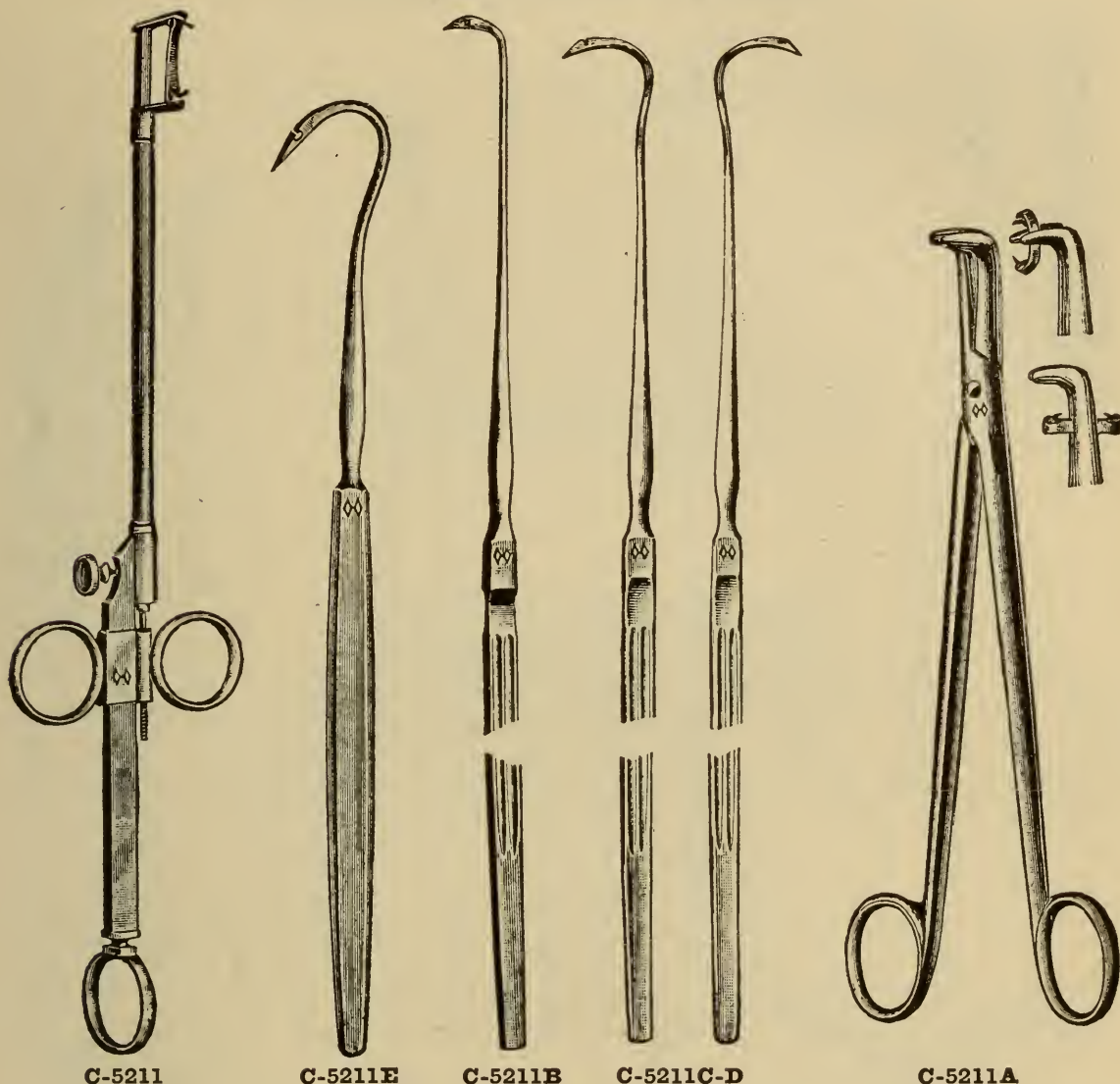
C-5203



C-5208



## TONSIL INSTRUMENTS



C-5211

C-5211E

C-5211B

C-5211C-D

C-5211A

## TONSIL PUNCHES FITTING UNIVERSAL HANDLE

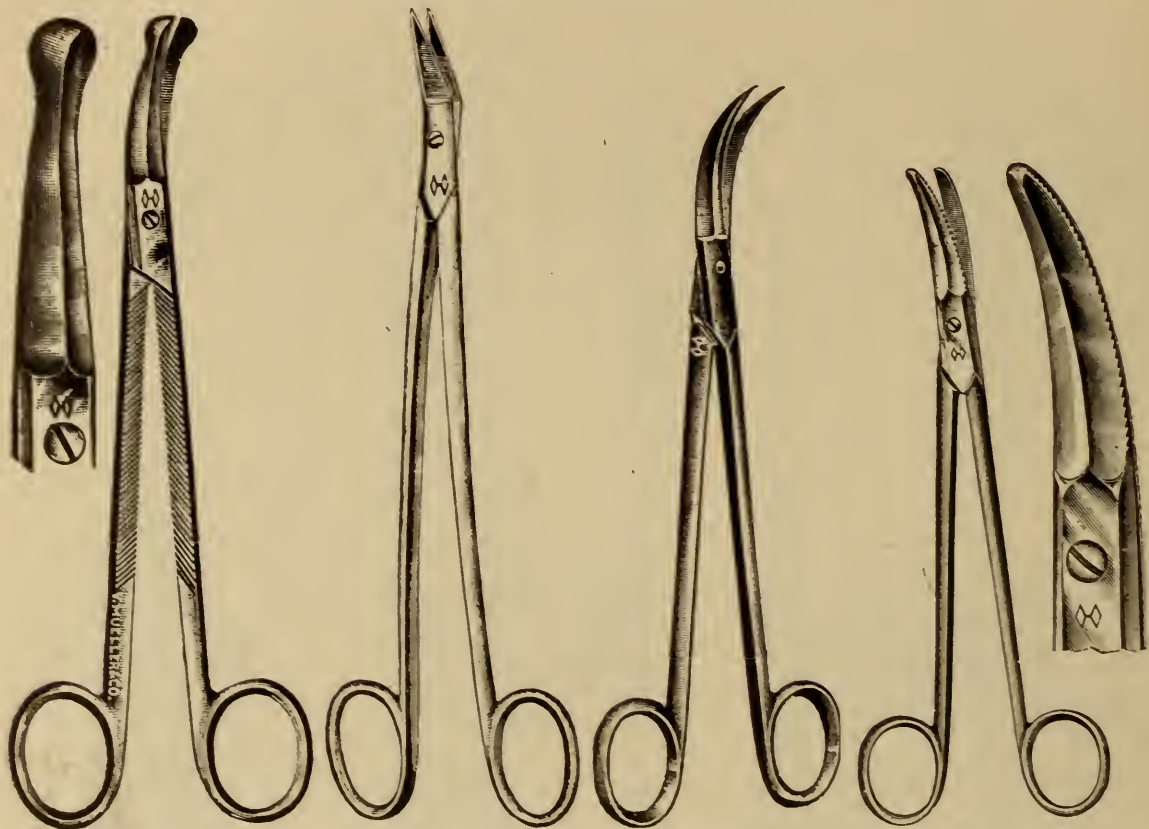
*C-5191	Hartman's, oval, straight, 1 size.....	\$ 7.50
*C-5192	Hartman's, round, straight, 4 sizes.....	7.25
*C-5193	Hartman's, triangular, straight, 3 sizes.....	7.50
C-5196	Myles', oval, straight, 1 size.....	7.80
C-5197	Myles', oval, curved to right.....	9.00
C-5198	Myles', oval, curved to left.....	9.00
C-5199	Roberts', antero-posterior.....	10.80
C-5199A	Roberts', curved to right.....	10.80
C-5199B	Roberts', curved to left.....	10.80
C-5202	Struycken's .....	7.80
C-5208	Universal Handle, only.....	7.25

NOTE.—Prices quoted are for punches **without** handles.

## TONSIL SUTURE INSTRUMENTS

C-5203	Applicator, for applying Michel's sutures.....	\$ 8.00
C-5206	Remover, for removing Michel's sutures.....	8.00
C-5208	Universal Handle, fitting above blades.....	7.25
C-5211	Applicator, Wagner's, for applying Michel's sutures.....	8.75
C-5211A	Forceps, Wagner's, for removing Michel's sutures.....	2.75
C-5211B	Needle, Durham's, right angled.....	1.75
C-5211C	Needle, Durham's, curved to right.....	1.85
C-5211D	Needle, Durham's, curved to left.....	1.85
C-5211E	Needle, MacCuen-Smith's .....	1.75
*C-5211F	Needles, McReynold's, full curved, per dozen.....	1.00
*C-5211G	Needle Holder, McReynold's.....	5.50

## TONSIL INSTRUMENTS

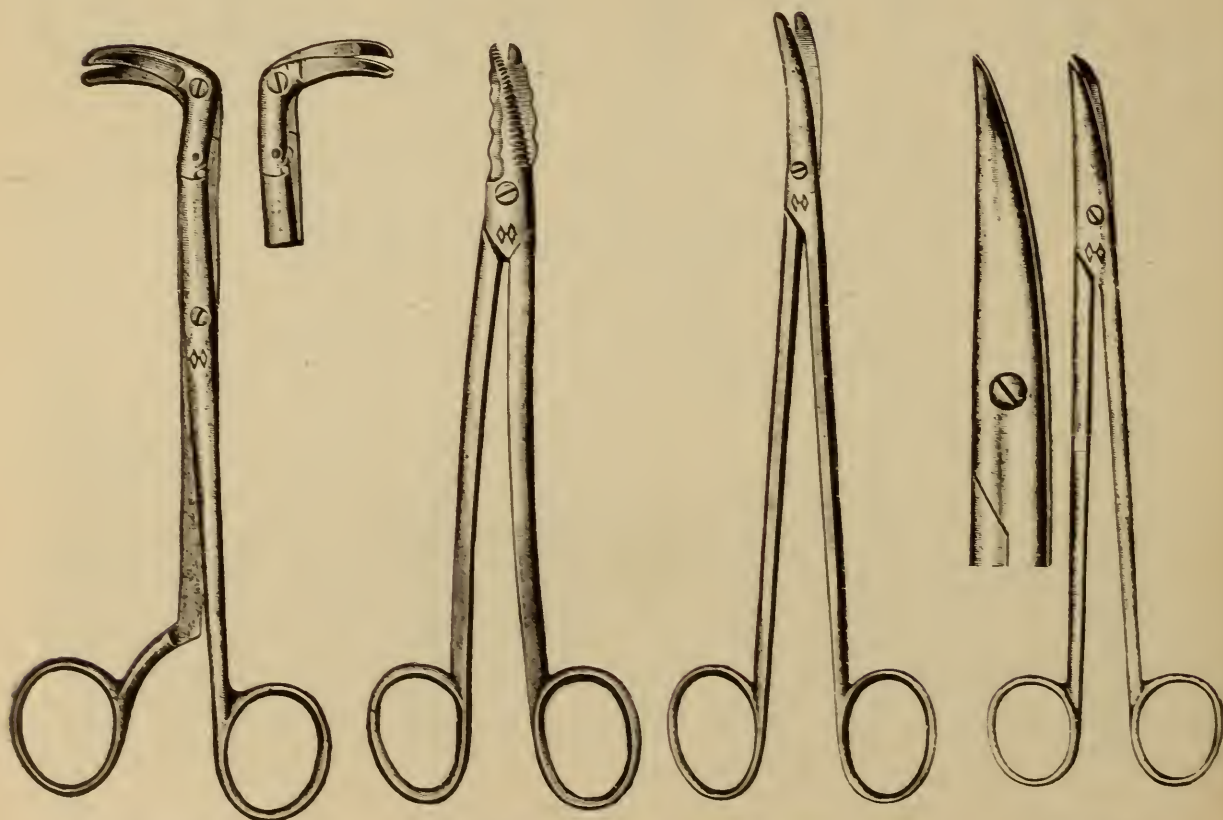


C-5222

C-5221

C-5220

C-5228



C-5225-26

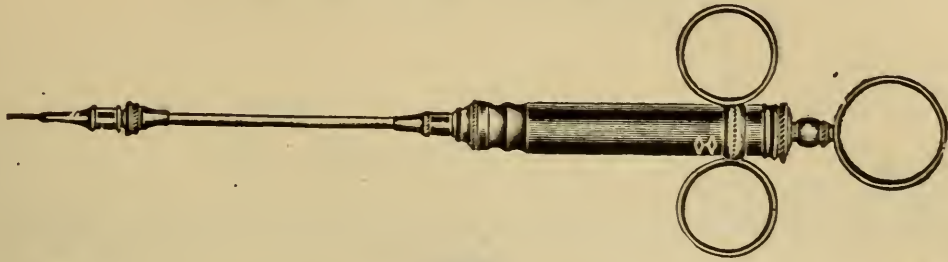
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C-5224

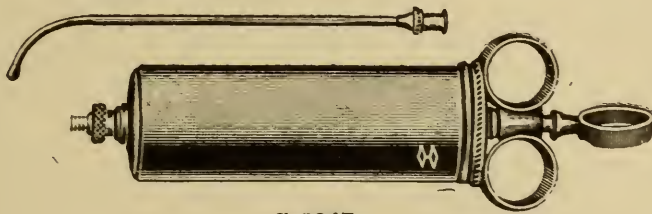
C-5223



## TONSIL INSTRUMENTS



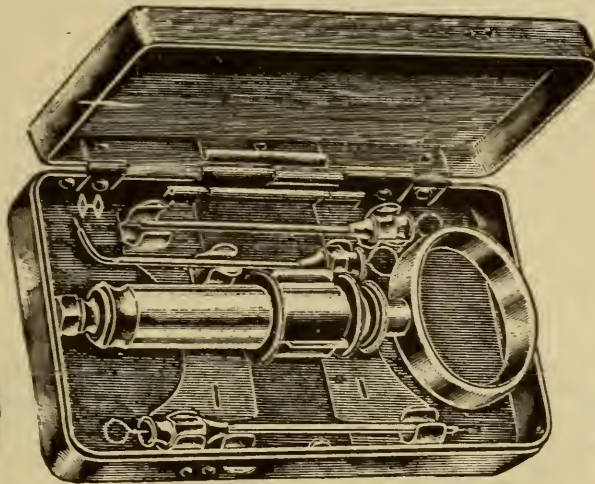
C-5252



C-5247



C-5217



C-5248



C-5214

## TONSIL SCISSORS

C-5214	Boetcher's, curved on flat.....	\$3.00
C-5221	Dean's .....	2.50
C-5222	Good's, latest serrated handles.....	3.50
C-5217	Griffin's, curved on flat, correct model.....	3.25
*C-5218	Kirkpatrick's, curved to right, serrated edge.....	3.00
*C-5219	Kirkpatrick's, curved to left, serrated edge.....	3.00
C-5223	Maclay's latest.....	3.00
C-5224	Metzenbaum's, 7-inch.....	2.50
*C-5229	Murphy's, curved sideways.....	5.00
C-5220	Prince's, curved on flat.....	2.75
C-5225	Robertson's, curved to right.....	7.50
C-5226	Robertson's, curved to left.....	7.50
C-5227	Windle's .....	4.50
C-5228	Yankauer's, curved on flat, serrated edge.....	3.00

## TONSIL SUCTION APPARATUS

*C-5246	Muck's .....	\$4.00
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## TONSIL SYRINGES AND NEEDLES

C-5247	Ballenger's, crypt, 3 oz., silver canulae.....	\$4.50
C-5248	Criterion, with extension, 2 straight and 1 curved needle, in nickel-plated case.....	4.50
C-5249	Horton's, tonsil needle, will fit any syringe having universal thread.....	1.00
*C-5250	Pyncheon's, in leather case.....	7.50
C-5252	Street's .....	3.00
C-5251	Extension, for tonsil needles.....	.65

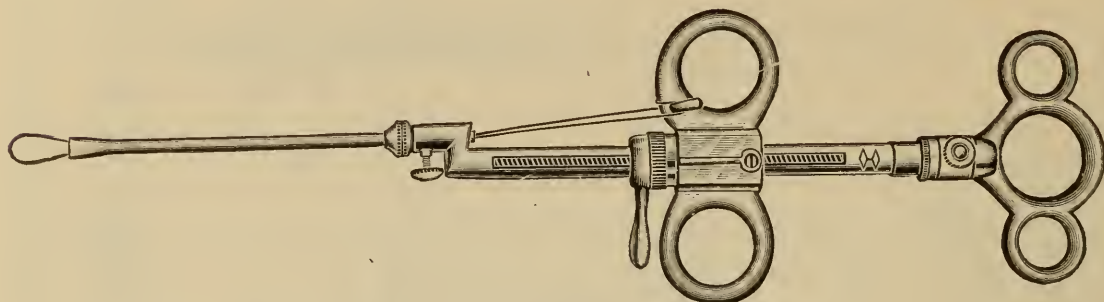


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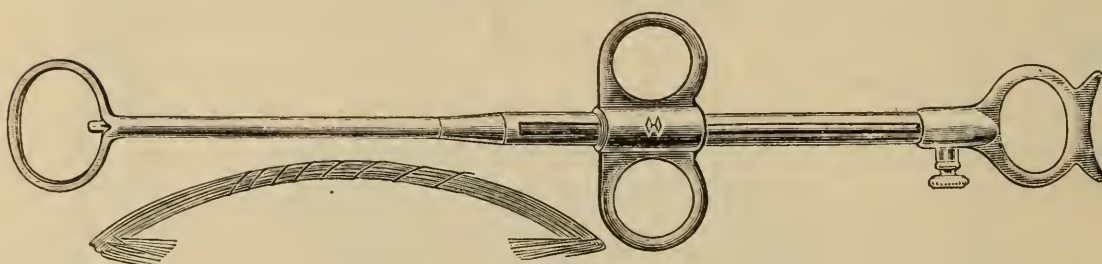


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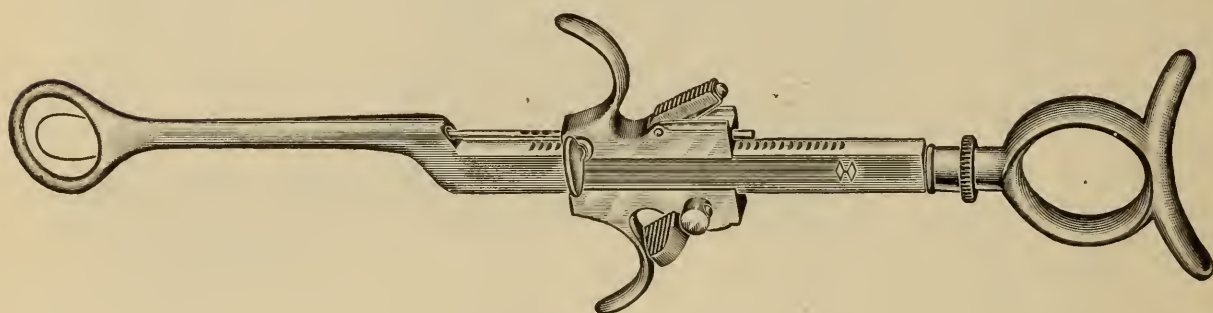
## TONSIL INSTRUMENTS



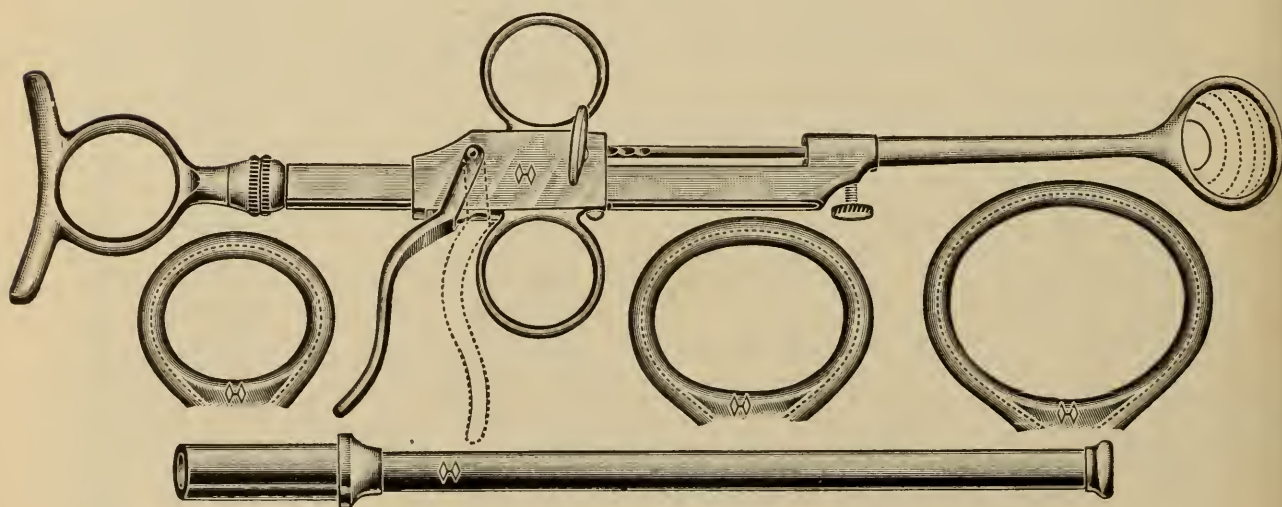
C-5230



C-5233A



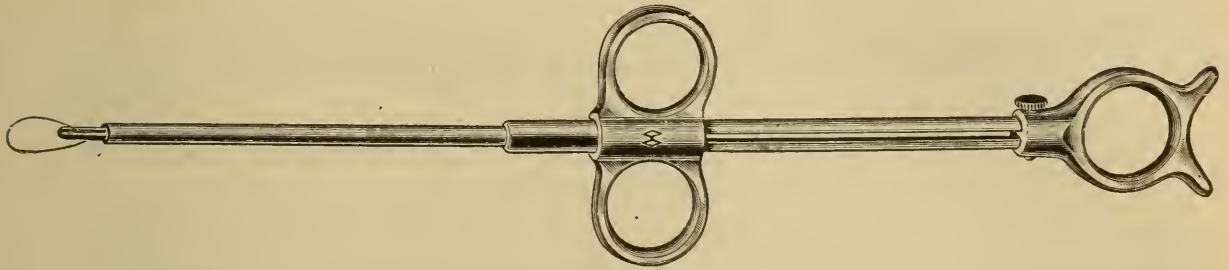
C-5229A



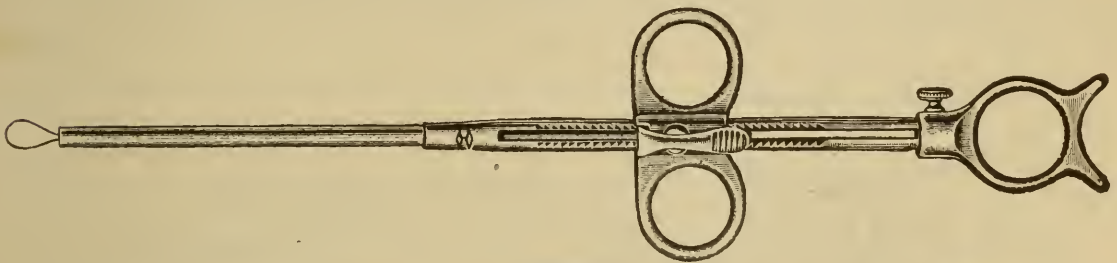
C-5235A-B-C



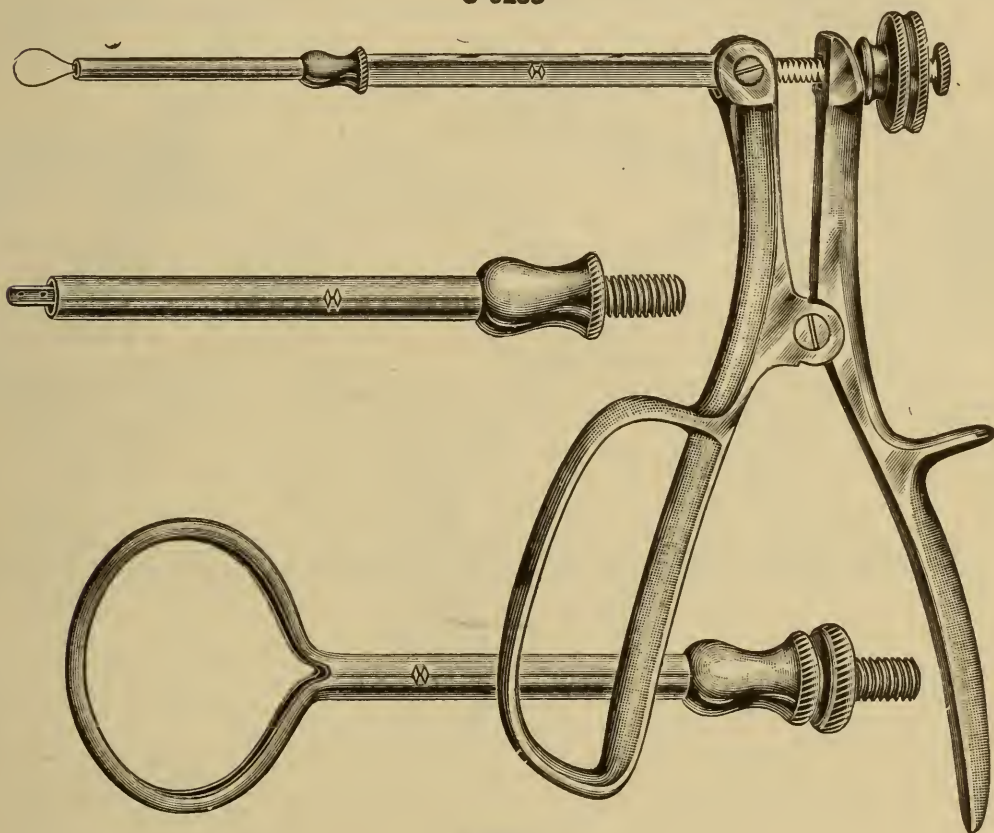
## TONSIL INSTRUMENTS



C-5232



C-5233

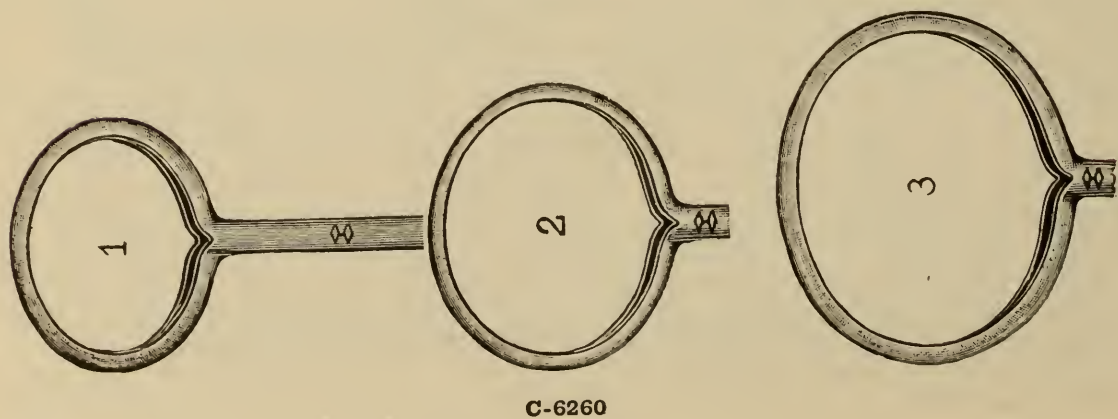
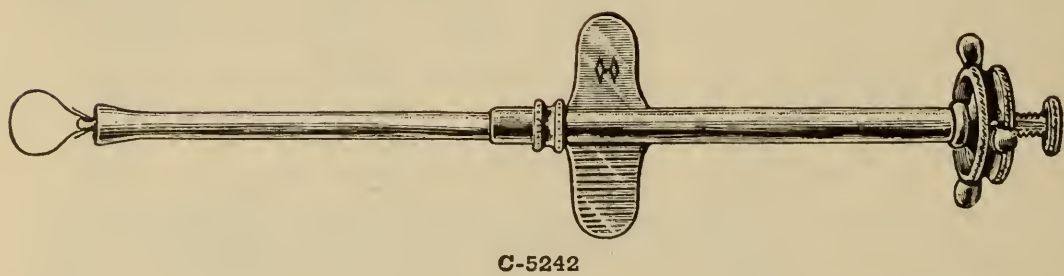
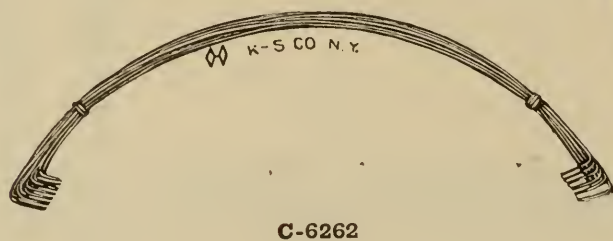
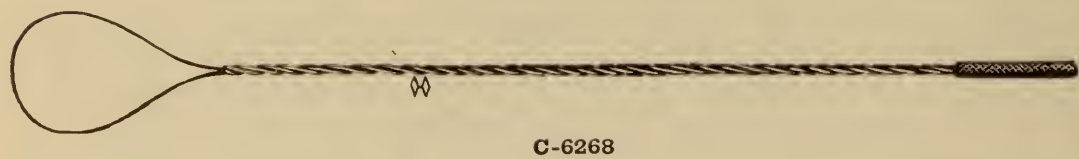
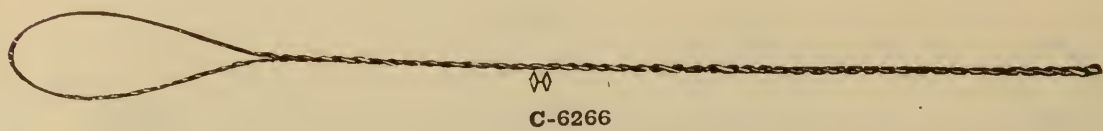


C-5231

## TONSIL SNARES

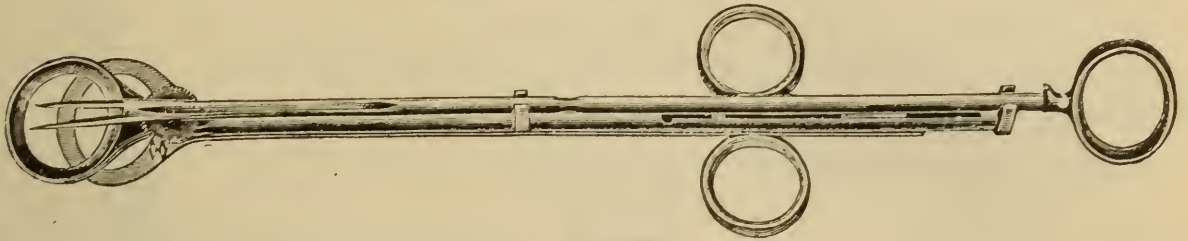
C-5228A Abraham's .....	\$ 9.00
C-5229A Beck's, original tonsilectome .....	11.00
C-5235 Beck-Schenck's, with 1 Vedder tip.....	12.00
C-5235A Beck-Schenck's, with 1 Vedder and 1 straight tip.....	13.00
C-5235B Beck-Schenck's, with 3 Vedder and 1 straight tip.....	17.00
C-5231 Brown's, folding, with 1 Vedder and 1 straight tip.....	8.00
C-5232 Eve's, with 12 snare wires.....	4.25
C-5233 Eve's, with ratchet and 12 snare wires.....	5.00
C-5233A Eve-Foster's, with 12 snare wires.....	.....
C-5230 Farlow's, Boston model.....	11.50
*C-5251 Green's .....	16.50

TONSIL INSTRUMENTS

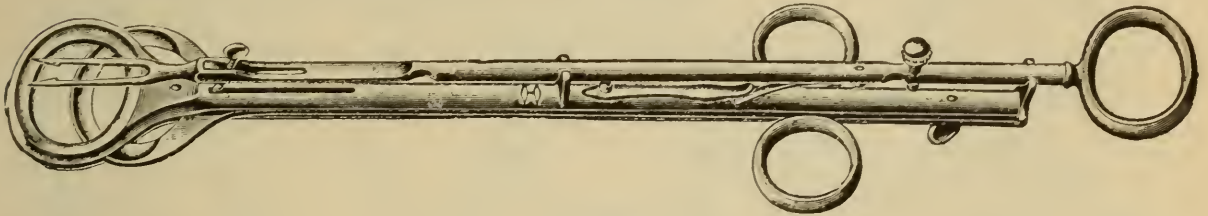




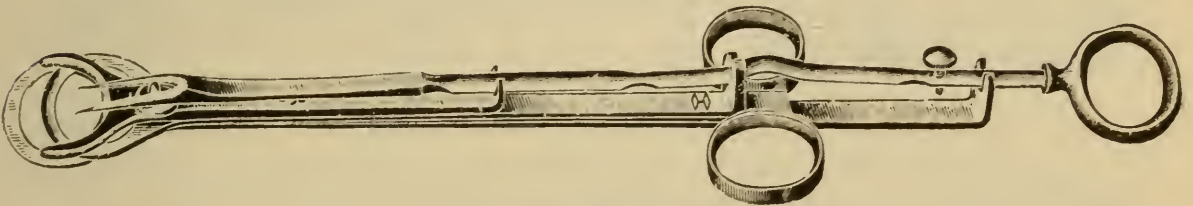
## TONSIL INSTRUMENTS



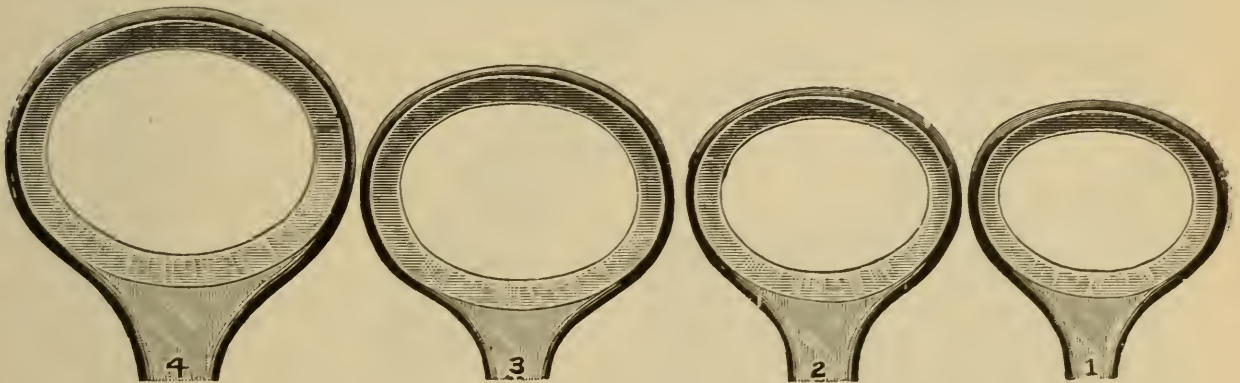
C-5265



C-5262



C-5285



Showing full size of blade, for the Mathieu, Mathieu's improved and Simplex tonsilatomes.

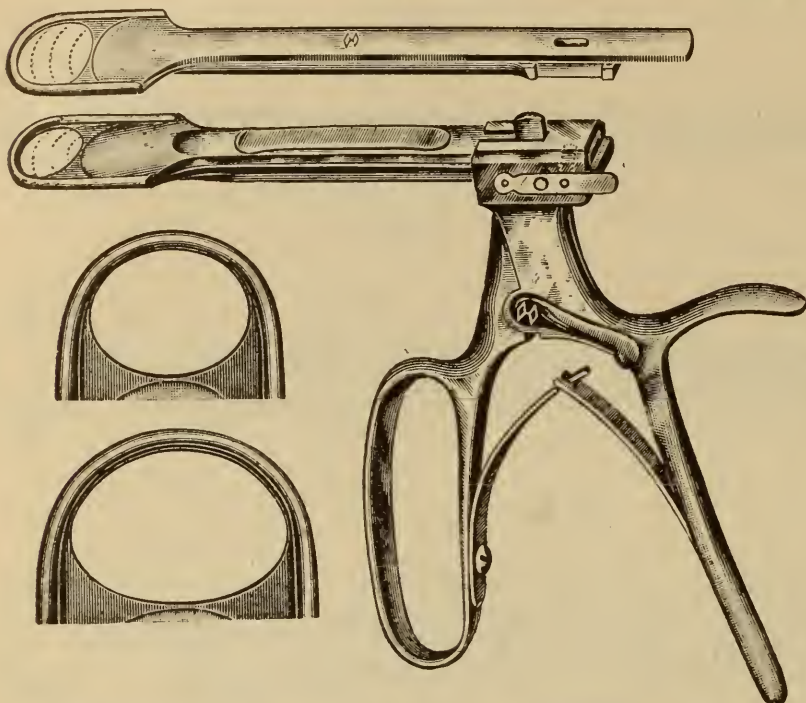
## TONSIL SNARES

C-5234	Martin's .....	\$ 9.00
C-5236	Pierce's .....	12.00
C-5240	Pyncheon's .....	10.00
C-5241	Sewall's .....	16.50
C-5245	Sloan's .....	4.50
C-5242	Smith's, all steel.....	4.00
C-5243	Stevens' .....	6.50
C-5237	Tivnen's .....	12.00
C-5244	Tyding's .....	15.00
C-5239	Welty's .....	12.00
C-5253	Wright's, extra heavy, 1 tip.....	7.50
C-5254	Wright's, folding handle, 1 straight and 1 Vedder tip.....	9.00
C-6262	Snare Wires, shaped for use with stilette, dozen.....	.15
C-6264	Snare wire on spools, per spool.....	.10
C-6266	Snare wires, for use without stilette, dozen.....	.50
C-6268	Snare wires, Yankauer's, twisted, dozen.....	.30

## TONSILOTOMES

C-5262	Mathieu's, regular, 4 sizes.....	\$ 6.75
C-5265	Mathieu's, Haslam's improved model, 4 sizes.....	6.00
*C-5275	Myles, lingual, 2 sizes.....	6.50
*C-5280	Quinlan's, modification of McKenzie's, 4 sizes, each.....	7.50
C-5285	Simplex, 4 sizes.....	5.00

## TONSIL INSTRUMENTS



C-5258

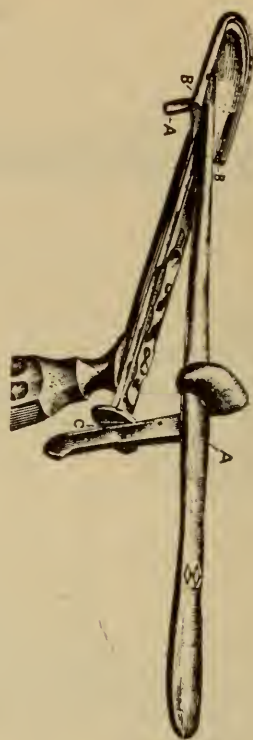
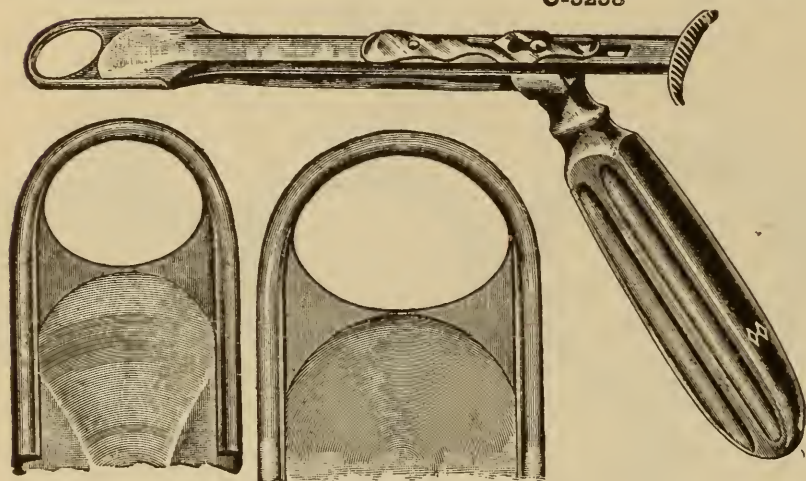
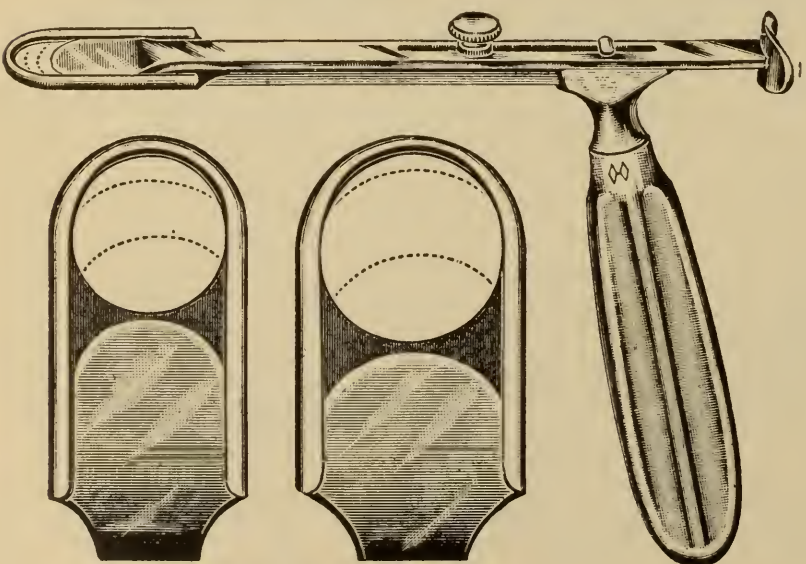


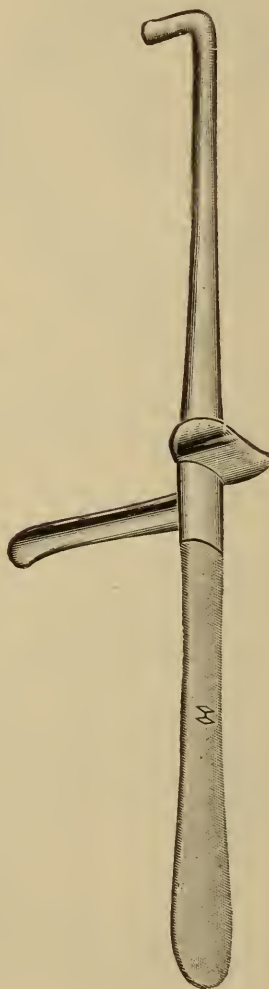
Fig. A



C-5286



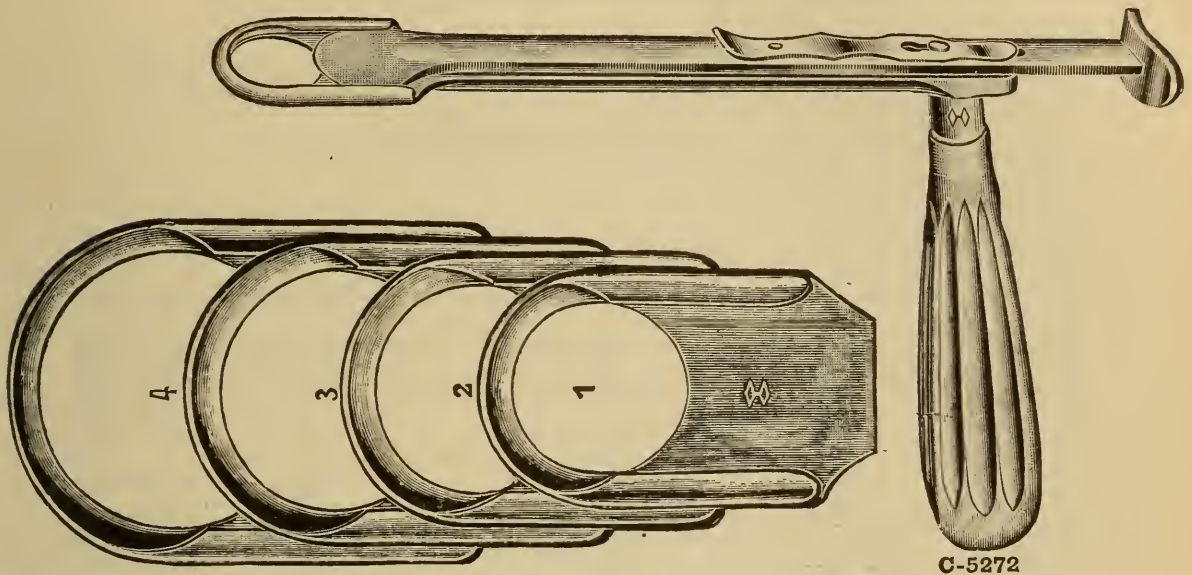
C-5282



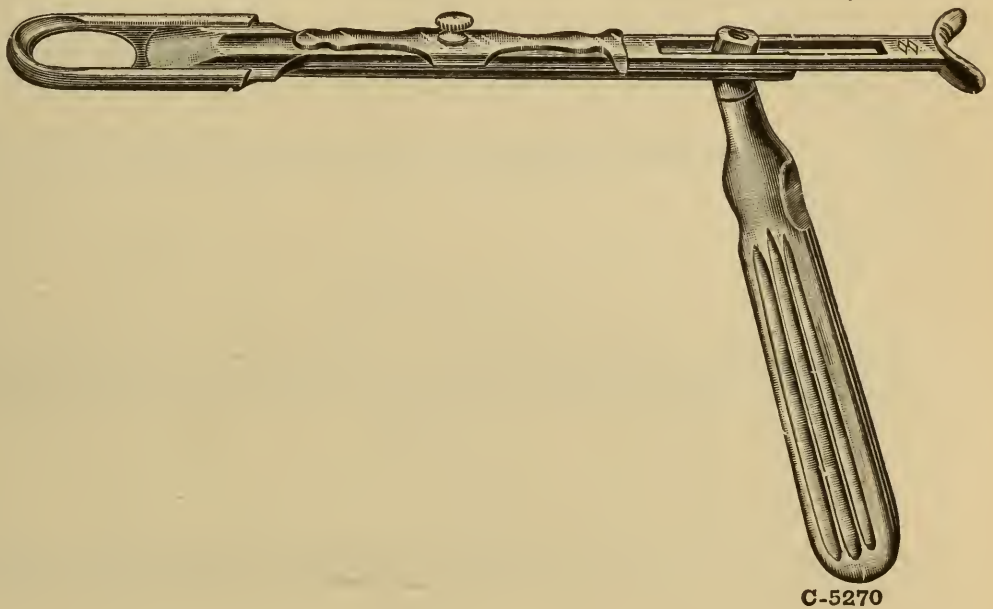
C-5287



## TONSIL INSTRUMENTS



Showing full size of blades for McKenzie's tonsilotomes



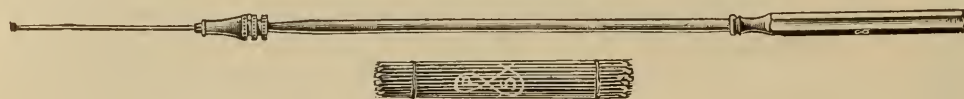
## TONSILOTOMES

C-5272	McKenzie's, regular, 4 sizes, each.....	\$ 6.50
C-5270	McKenzie's, Haslam's improved model, reversible, 4 sizes, each.....	7.50
C-5286	Sluder's, tonsil guillotine, for the complete removal of the tonsils with the capsule intact, 2 sizes, each.....	9.50
C-5282	Sluder-Arrowsmith's, 2 sizes, each.....	9.50

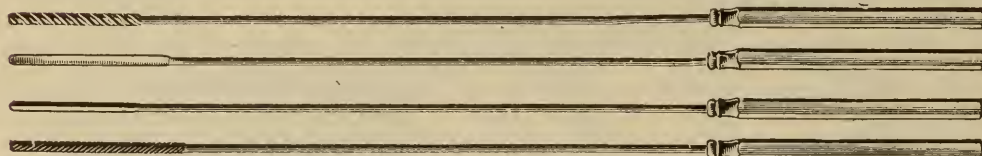
The difference between this instrument and the original Sluder is in the opening being round instead of oval. The blade is sharp, and after severing of the tonsil passes through the split ring in front instead of against the solid ring, as in the Sluder.

C-5258	Sluder-Ballenger's, tonsil guillotine, 2 sizes, handle modified by Corwin..	22.50
C-5287	Mechanical Dog (pressure lever), to increase the pressure power. Fig. A shows its application.....	2.50

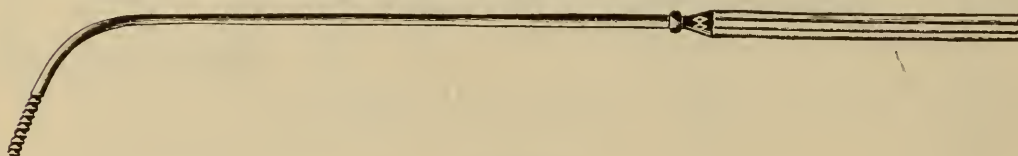
## LARYNGEAL INSTRUMENTS



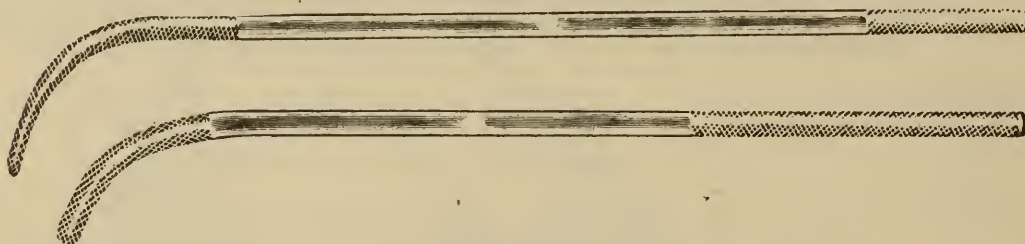
C-5310



C-5315-5320



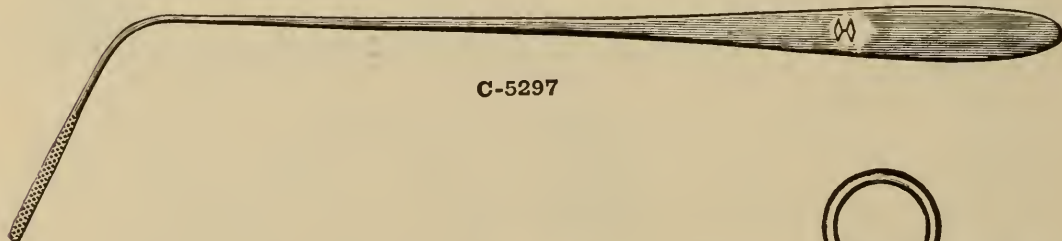
C-5296



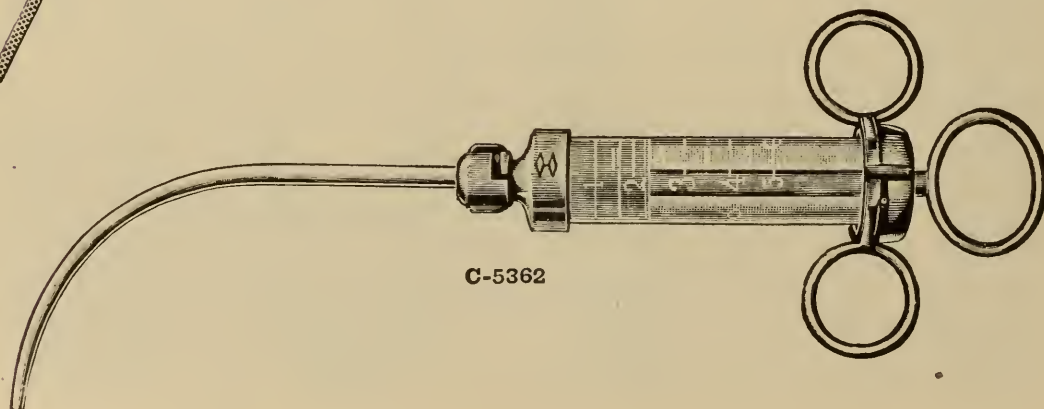
C-5290-5295



C-5322



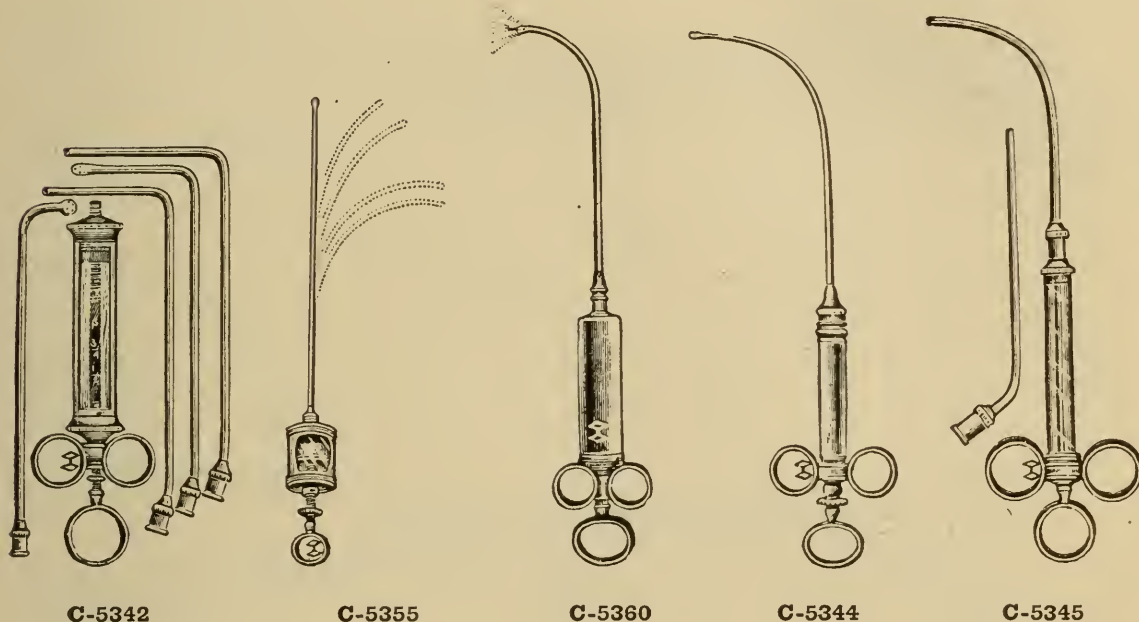
C-5297



C-5362



## LARYNGEAL INSTRUMENTS

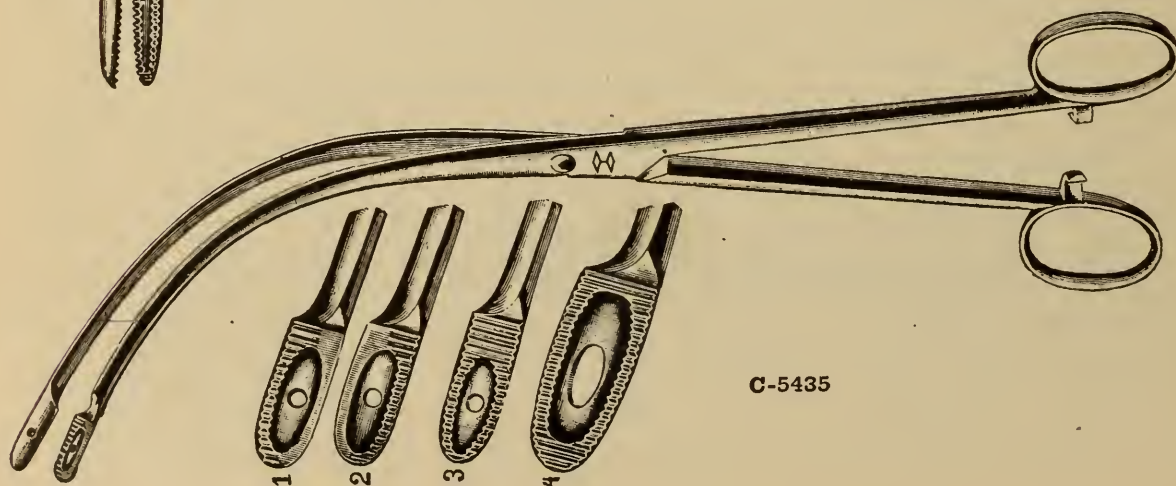
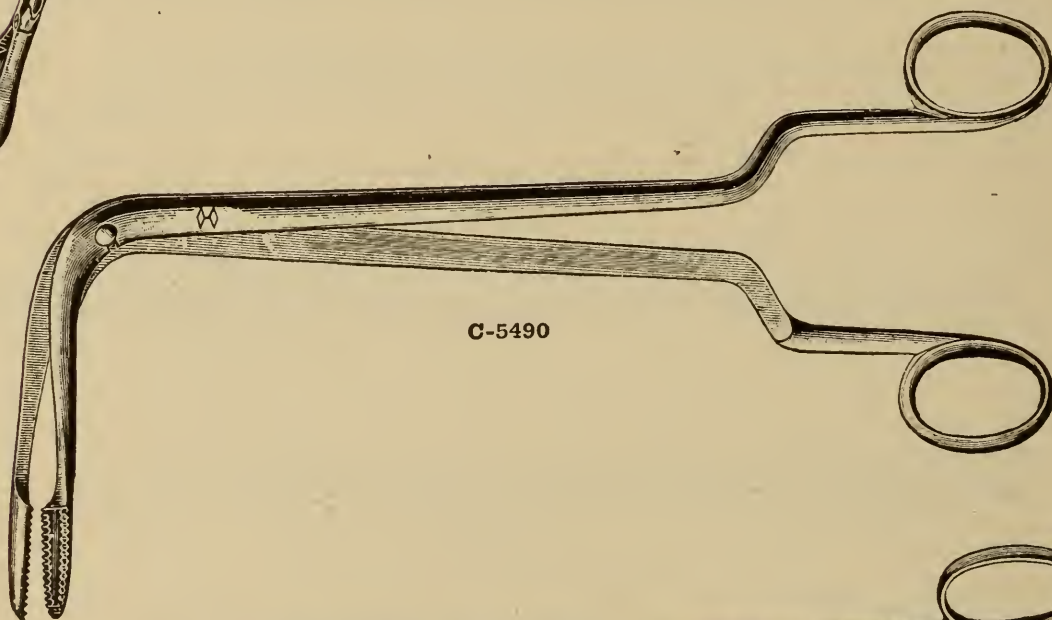
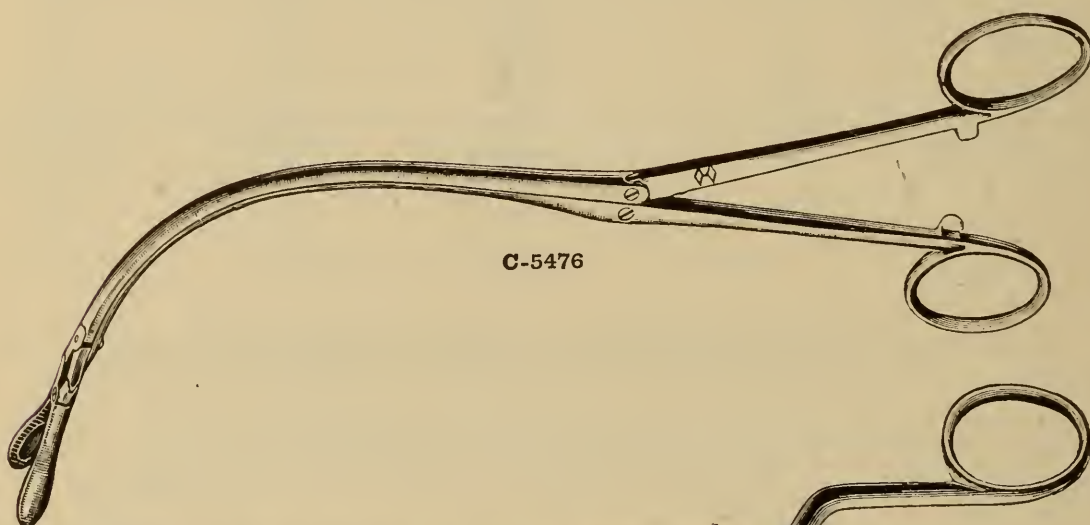
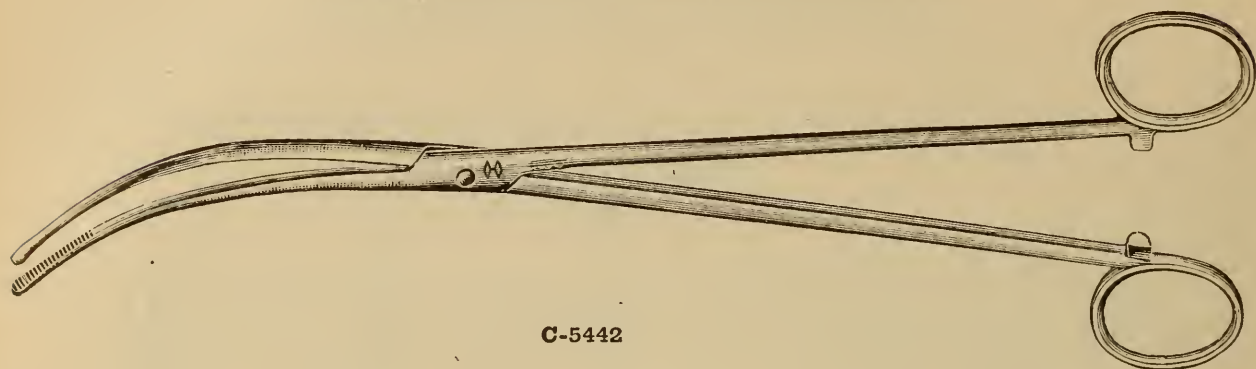


## LARYNGEAL APPLICATORS AND SYRINGES

C-5290	Applicator, aluminum, extra heavy, roughened end.....	\$0.25
C-5295	Applicator, aluminum, extra heavy, roughened end.....	.25
C-5296	Applicator, curved, steel.....	.40
C-5297	Applicator, Frankel's .....	1.00
*C-5305	Applicator, Kyle's, all steel, plated.....	.40
C-5310	Applicator, Martin's, with bundle of 100 nails.....	1.25
C-5315	Applicator, plain, plated, rough end, triangular end, flat end or spiral end, each.....	.25
C-5320	Applicator, plain, aluminum, rough end, triangular end, flat end or spiral end, each.....	.25
C-5322	Applicator, Yankauer's, medicator, glass.....	.60
*C-5340	Sponge Holder, curved, plated.....	.50
C-5342	Syringe, Brown's, with 4 silver tubes, in metal case.....	9.50
C-5344	Syringe, Cube's, all metal, with olive pointed canulae.....	6.00
C-5345	Syringe, Frankel's, with curved and straight tips.....	3.50
C-5355	Syringe, Muir's, with flexible laryngeal tip.....	4.00
C-5360	Syringe, Perfection, all metal, ½ oz., flexible tip.....	3.50
C-5362	Syringe, Record's, 5 cc. capacity, with 1 curved canulae.....	7.25
*C-5365	Syringe Pipe, Brown's, short curve, plain.....	1.00
*C-5370	Syringe Pipe, Brown's, long curve, bulbous.....	1.50
*C-5375	Syringe Pipe, Brown's, long curved, plain.....	1.00
*C-5380	Syringe Pipe, Coover's, copper stem, silver bulb.....	1.00
*C-5385	Syringe Pipe, Fraenkel's, angular.....	1.25
*C-5390	Syringe Pipe, Fraenkel's, curved.....	1.25
*C-5395	Syringe Pipe, plain, straight.....	1.25
*C-5400	Syringe Pipe, plain, curved.....	1.25
*C-5405	Syringe Pipe, plain, full curved.....	1.25

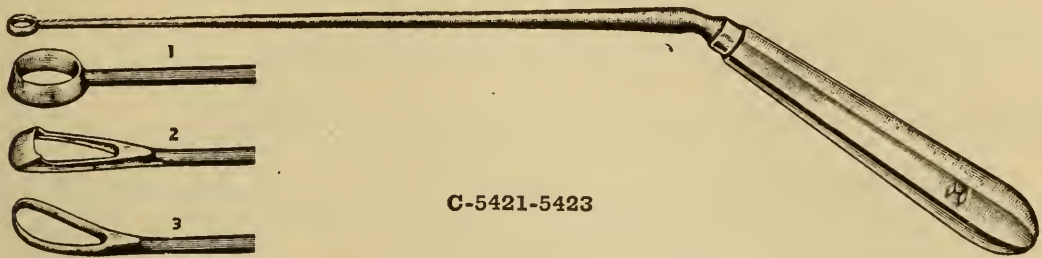
Pipes C-5365 to C-5405 fit the ordinary hypodermic or aspirator syringes; they can also be made with bulb hubs suitable for bulb syringes.

## LARYNGEAL INSTRUMENTS

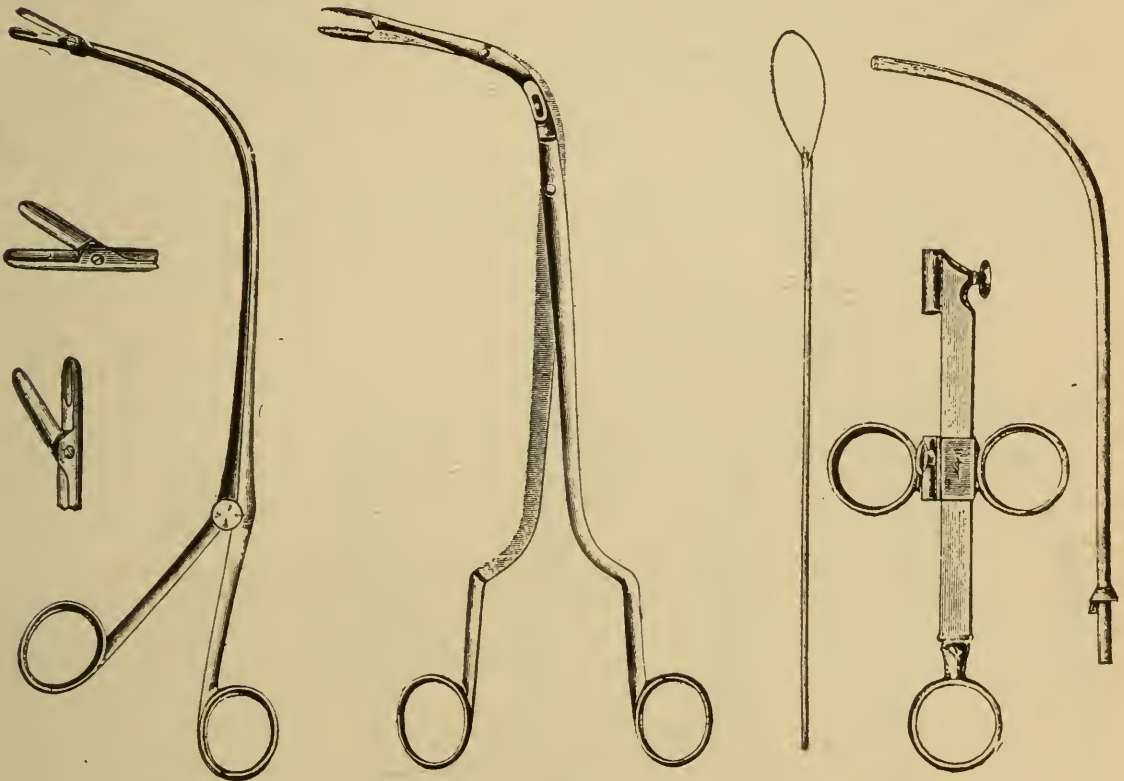




## LARYNGEAL INSTRUMENTS



C-5421-5423



C-5450-5455

C-5500

C-5525

## CURETTES

*C-5415	Cohen's, bent up.....	\$3.00
*C-5420	Cohen's, bent down.....	3.00
C-5421	Killian-Hubbard's, short handle, Fig. 1.....	4.00
C-5422	Killian-Hubbard's, short handle, Fig. 2.....	4.00
C-5423	Killian-Hubbard's, short handle, Fig. 3.....	4.00
*C-5426	Killian-Hubbard's, long handle, Fig. 1.....	4.00
*C-5427	Killian-Hubbard's, long handle, Fig. 2.....	4.00
*C-5428	Killian-Hubbard's, long handle, Fig. 3.....	4.00
Short handle for use with laryngeal specula, the long handle for use with bronchoscopes or oesophagoscopes.		
*C-5425	Krause's, antero posterior.....	3.50
*C-5430	Krause's, lateral, right and left.....	3.50

## FORCEPS

*C-5432	Cusco's, double jointed.....	\$6.75
C-5435	Fauvel's, grasping, lateral, 4 sizes, each.....	3.50
*C-5440	Fraenkel's, grasping, antero posterior, light.....	2.75
*C-5442	Garrigue's, applying.....	2.50
C-5450	Juraszcz-Gottstein's, cutting, up and down.....	9.75
C-5455	Juraszcz-Gottstein's, cutting, lateral, right and left.....	9.75
*C-5475	Luer's, grasping, antero posterior.....	7.50
C-5476	Luer's, grasping, lateral.....	7.75
*C-5485	McKenzie's, cutting, lateral.....	3.25
C-5490	McKenzie's, grasping, antero posterior.....	3.00
*C-5495	McKenzie's, grasping, lateral.....	3.00
C-5500	McKenzie's, grasping, antero posterior, articulated.....	5.00
*C-5502	Schadle's, applying.....	3.75

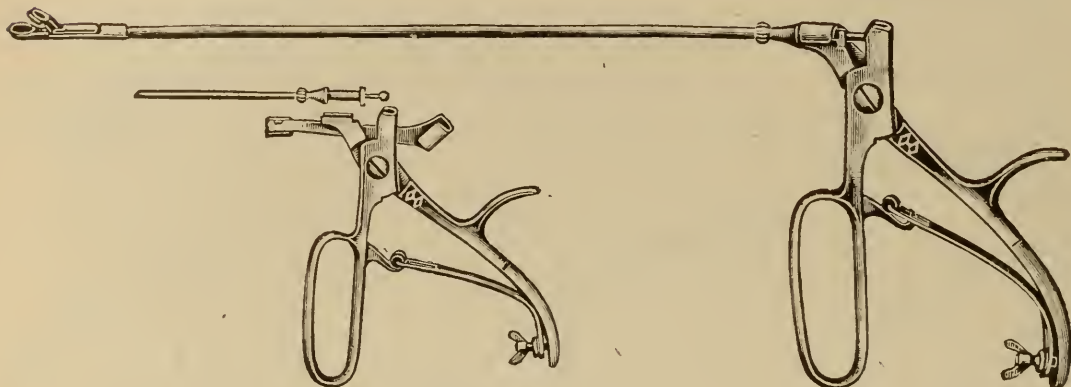
## KNIVES

*C-5510	Tobold's, spear shaped.....	\$2.50
*C-5515	Tobold's, convex blade.....	2.75
*C-5520	Tobold's, concave blade.....	2.75

## SNARES

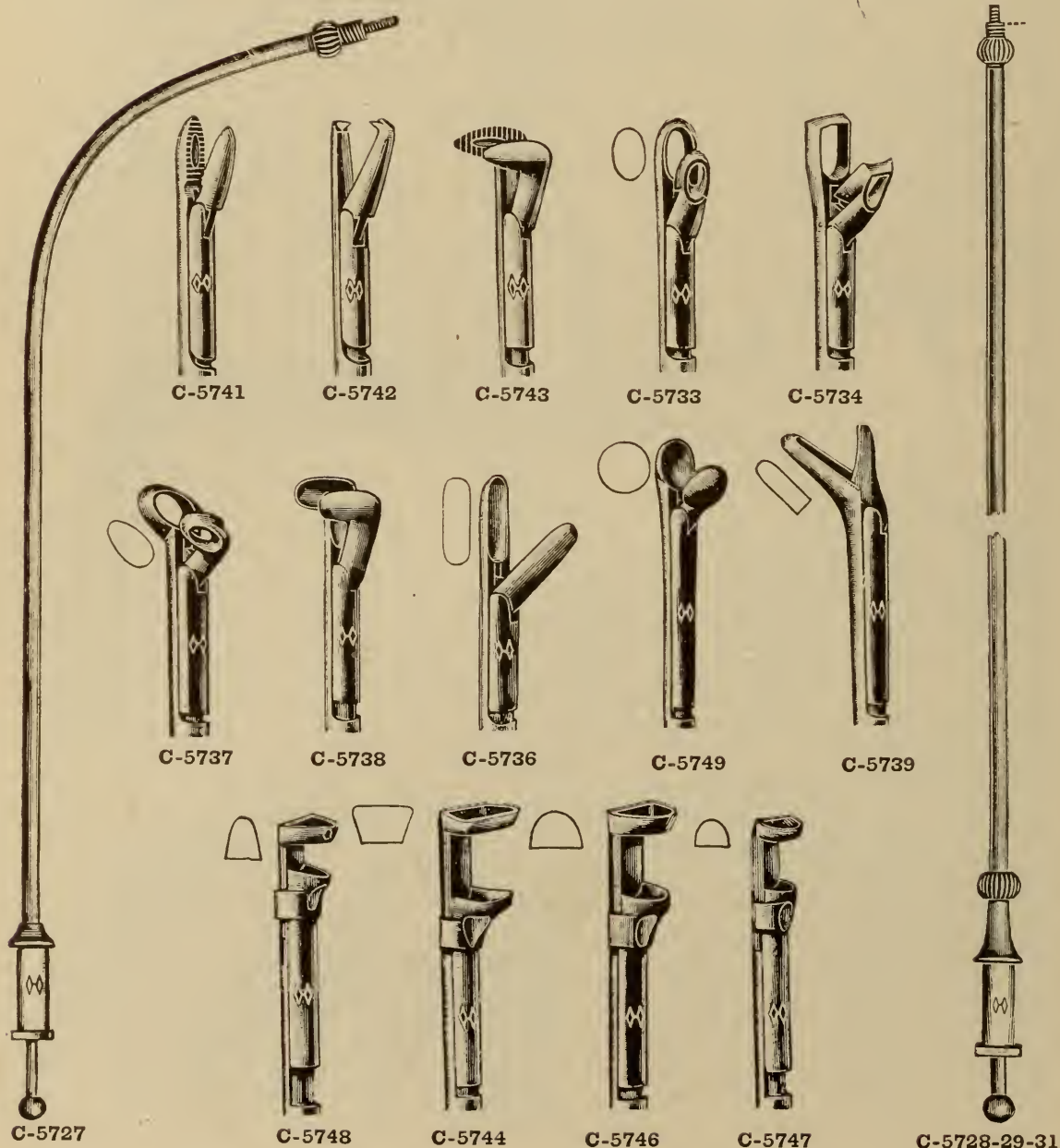
C-5525	Krause's, with universal handle.....	\$4.50
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## LARYNGEAL INSTRUMENTS



C-5726

C-5726



C-5741

C-5742

C-5743

C-5733

C-5734

C-5737

C-5738

C-5736

C-5749

C-5739

C-5748

C-5744

C-5746

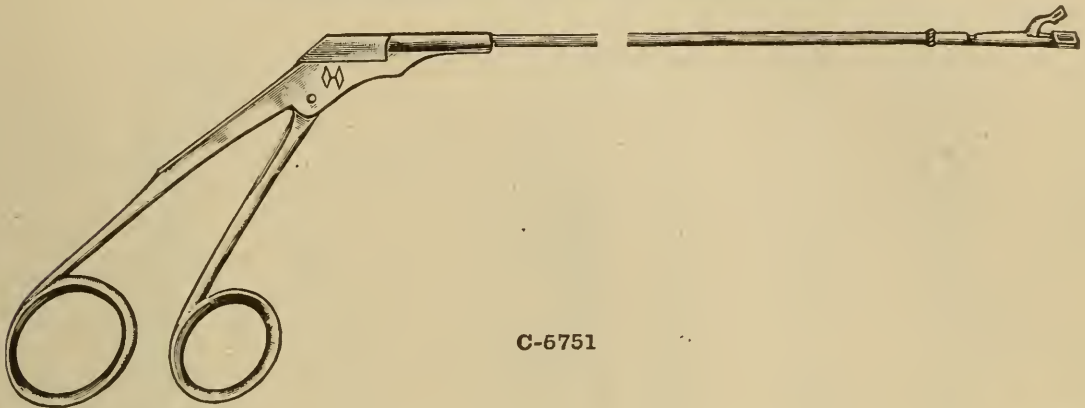
C-5747

C-5728-29-31

C-5727



## LARYNGEAL INSTRUMENTS



C-5751



OPEN



CLOSED

C-5720

## UNIVERSAL GRASPING AND CUTTING FORCEPS

These instruments are all constructed on the alligator-jaw principle, and this, in connection with the arrangement of the universal handle, insures their cutting in any position in which they are placed. The distal end, or cutting tip, of the instrument will not recede from the point at which it is desired to cut, when the handles are closed.

C-5726	Universal Handle, only.....	\$7.25
C-5728	Straight Canulae, 8 inch .....	3.00
C-5729	Straight Canulae, 16 inch, for bronchoscopy.....	3.00
C-5731	Straight Canulae, 22 inch, for bronchoscopy.....	3.00
C-5727	Curved Canulae, for laryngeal work.....	3.00

## FORCEP BLADES

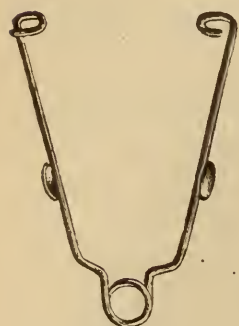
C-5741	Grasping, straight, serrated .....	6.00
C-5742	Grasping, straight, mouse toothed .....	6.00
C-5743	Grasping, angular bent, serrated.....	6.00
C-5744	Corde's, curette, for posterior wall .....	8.10
C-5746	Corde's, curette, for large growths .....	8.10
C-5747	Corde's, curette, for singers' nodes .....	8.10
C-5748	Corde's, curette, for growths of inferior commissure.....	8.10
C-5736	Frankel's, cutting .....	7.25
C-5749	Killian's, cutting .....	7.50
C-5733	Krause's, punch, oval .....	7.25
C-5734	Krause's, punch, square .....	7.25
C-5737	Scheinemann's, punch, subglottis .....	8.00
C-5738	Scheinemann's, cutting, subglottis .....	7.50
C-5739	Syrueken's, punch .....	7.25
C-5751	Jackson's, cutting, with 1 canulae 8, 16 or 22 inches long, and 1 cutting tip .....	18.50

## FOREIGN BODY INSTRUMENTS

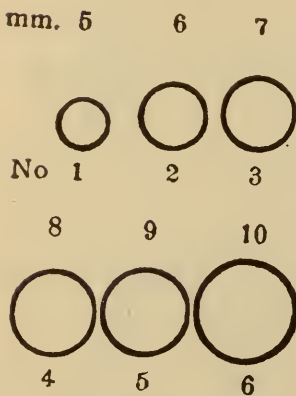
*C-5706	Coin Catcher .....	2.50
*C-5707	Coin Catcher, with sponge probang, hinged.....	3.50
*C-5762	Cotton Carrier, Killian's, double end, jointed, 52 c.m. long.....	.60
*C-5709	Extractor, Jackson's, with fork, for safety pins.....	8.25
*C-5704	Extractor, Jackson's, mechanical spoon for extracting beans.....	8.25
*C-5756	Hook, Killian-Lister's, foreign body, 30, 45 and 52 c.m.....	.90
*C-5757	Hook, Killian's, sharp, 30, 45 and 52 c.m.....	.75
*C-5758	Hook, Killian's, blunt, 30, 45 and 52 c.m.....	.75
*C-5759	Sponge Holder, Jackson's, 62 c.m.....	1.75
*C-5761	Sponge Holder, Killian's, 32, 40 and 52 c.m., each.....	1.50
C-5720	Probang, Haslam's, bristle, all metal, spiral, asptic.....	1.75
*C-5725	Probang Bristles, Haslam's, per set.....	.50

The improved bristle probang shown readily permits of the bristles being replaced when worn out and is readily taken apart for cleaning.

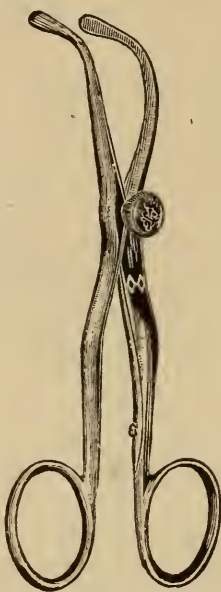
TRACHEAL INSTRUMENTS



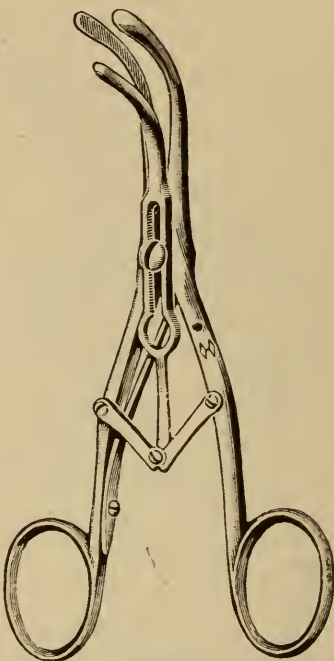
C-5565



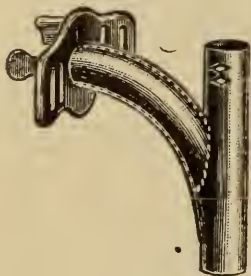
Scale, Giving Diameters  
of Trachea Tubes



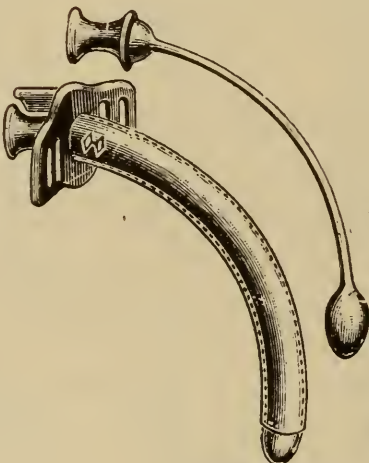
C-5540



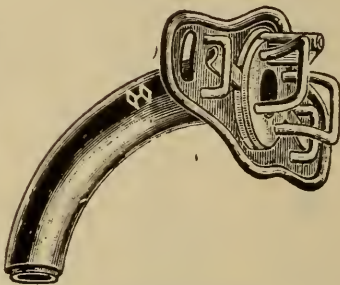
C-5532



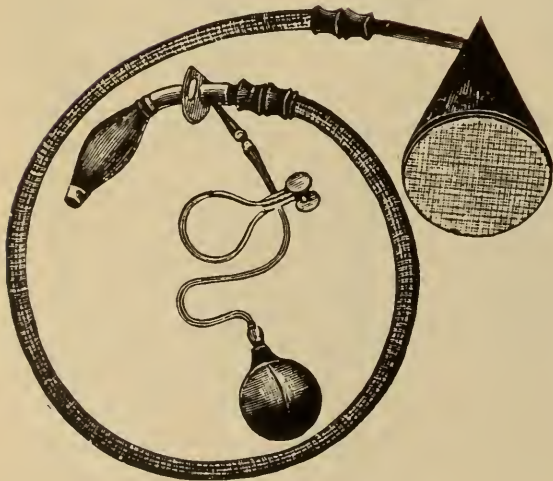
C-5628-5629



S-5623-5624



C-5630-5640



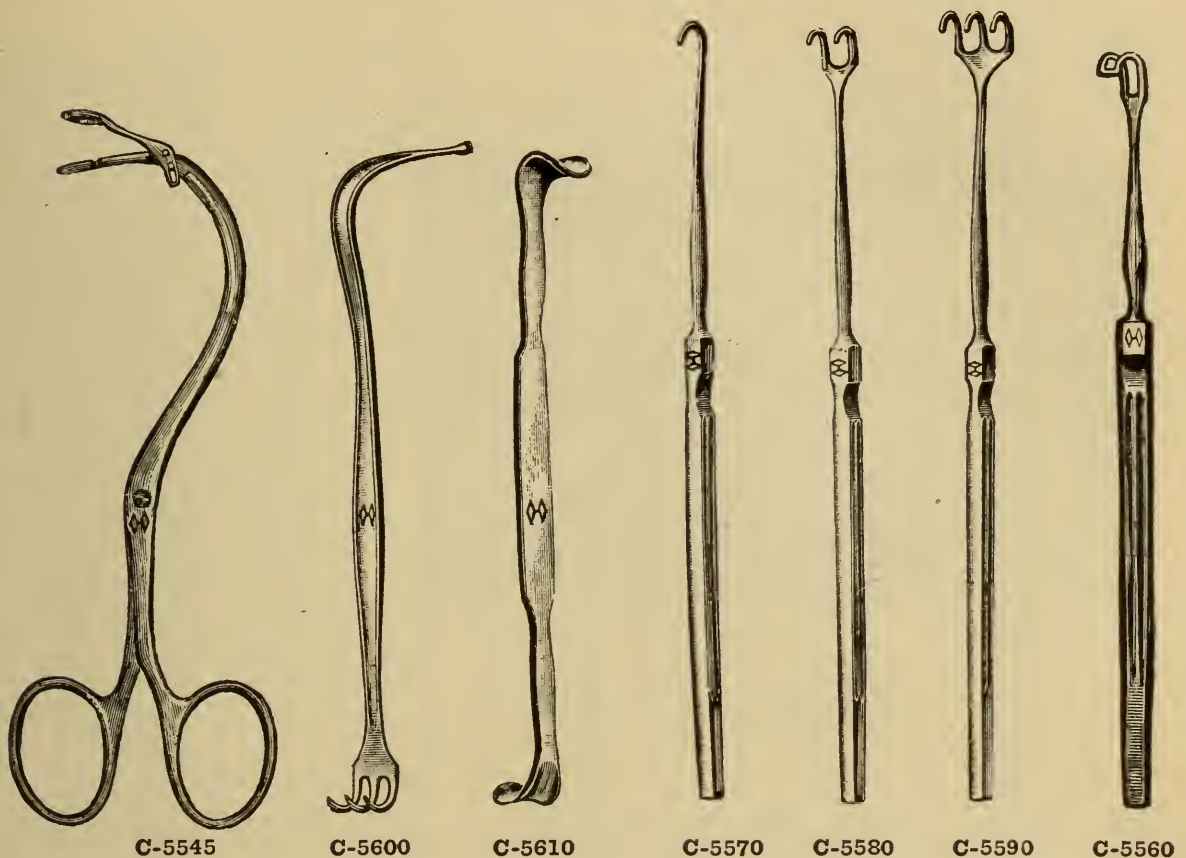
C-5645-5650



C-5620



## TRACHEAL INSTRUMENTS



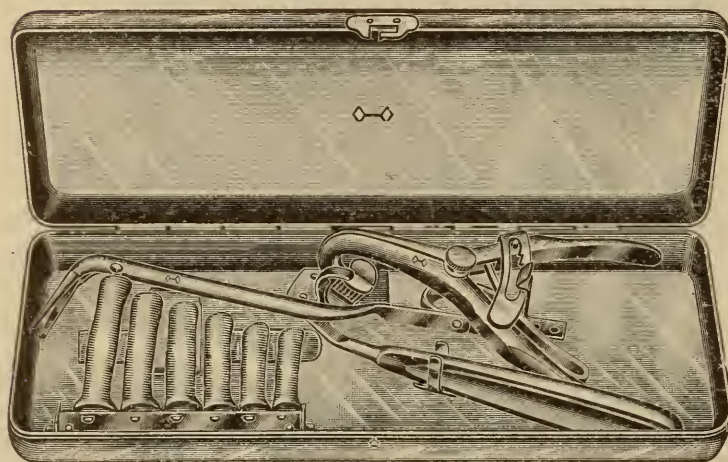
## TRACHEAL INSTRUMENTS

C-5532	Dilator, Laborde's	.....	\$3.85
C-5540	Dilator, Trosseau's	.....	2.10
C-5545	Forcep, Collin's, for removing foreign bodies	.....	5.50
*C-5550	Forcep, Mathieu's, for removing foreign bodies	.....	4.50
*C-5555	Forcep, Stockloew's, for removing foreign bodies	.....	3.00
C-5560	Retractor, Belajew's	.....	1.50
C-5565	Retractor, Bose's, wire spring	.....	.50
C-5570	Retractor, hook, single, blunt	.....	.90
*C-5575	Retractor, hook, single, sharp	.....	.90
C-5580	Retractor, hook, double, blunt	.....	1.00
*C-5585	Retractor, hook, double, sharp	.....	1.00
C-5590	Retractor, hook, triple, blunt	.....	1.10
*C-5595	Retractor, hook, triple, sharp	.....	1.10
C-5600	Retractor, Hupp's	.....	1.75
*C-5605	Retractor, Luer's, double, blunt	.....	.50
C-5610	Retractor, Rose's, double, blunt	.....	.75
C-5620	Tracheatome, Haslam's, 5 sizes, in case	.....	each 5.00
C-5620A	Tracheatome, Haslam's, 5 sizes, in case	.....	each 3.75
C-5621	Tracheatome, Haslam's, 3 sizes, in case	.....	12.50
C-5623	Trachea Tubes, Chevalier-Jackson's, plated, small, 1-2-3, each \$4.50; large, 4-5-6, each	.....	5.00
C-5624	Trachea Tubes, Chevalier-Jackson's, silver, small, 1-2-3, each \$6.75; large, 4-5-6, each	.....	7.50
*C-5626	Trachea Tubes, Chevalier-Jackson's, cane shaped, plated, small, 1-2-3, each, \$5.00; large, 4-5-6, each	.....	5.50
*C-5627	Trachea Tubes, Chevalier-Jackson's, cane shape, silver, small, 1-2-3, each, \$7.25; large, 4-5-6, each	.....	8.00
C-5630	Trachea Tubes, Luer's, double, hard rubber	.....	1.50
C-5635	Trachea Tubes, Luer's, double, silver plated	.....	2.50
C-5636	Trachea Tubes, Luer's, aluminum, 8 sizes	.....	each 2.25
C-5640	Trachea Tubes, Luer's, double, silver—		
Nos.	..... 1 2 3 4 5 6 7 8 9 10		
Price	..... \$4.00 \$4.25 \$4.50 \$4.75 \$5.00 \$5.50 \$6.00 \$6.50 \$7.00 \$8.00		
C-5645	Trachea Tubes, Trendelenburg's, with tampon, sterling silver—		
Nos.	..... 1 2 3 4 5 6 7 8 9 10		
Price	..... \$6.25 \$6.50 \$6.75 \$7.00 \$7.25 \$7.50 \$7.75 \$8.25 \$9.00 \$10.00		
C-5650	Trendelenburg's Chloroform Apparatus, for canulae C-5645	.....	5.00

Note.—Special trachea tubes made to order at shortest notice. Tubes on the market other than those listed can be secured promptly on order.

## TRACHEAL INSTRUMENTS

## INTUBATION

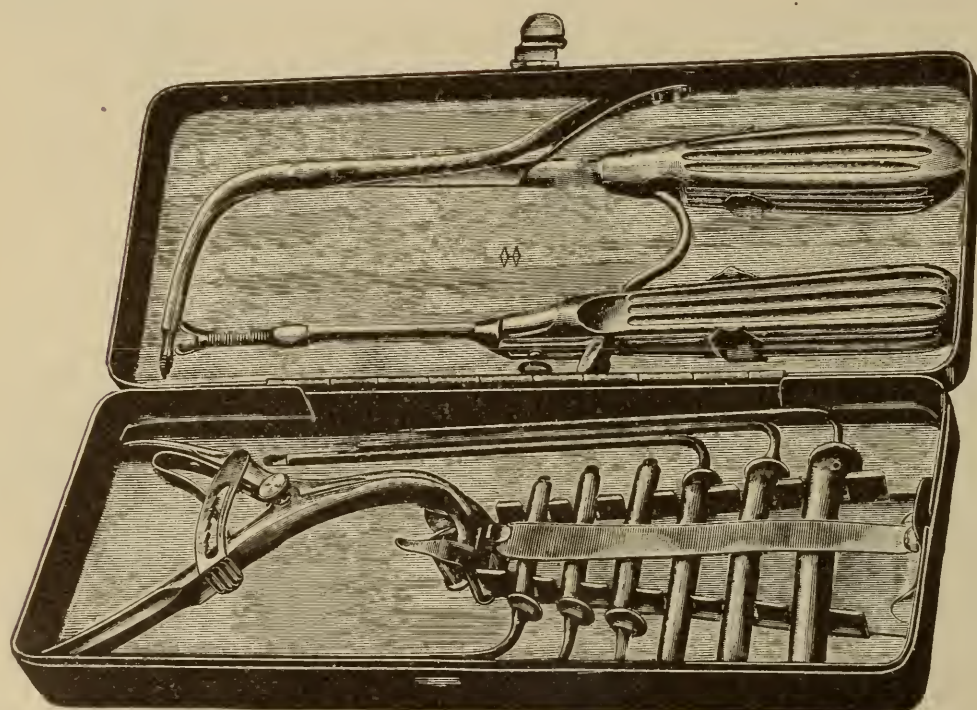
C-5650 Haslam-Ferroud  
Intubation Set.

C-5650

This set of instruments for intubating the larynx of children comprises 6 gold plated tubes of the Ferroud pattern, 1 introducer and extractor of improved pattern, 1 Denhardt's mouth gag made of finest steel, and 1 tube gauge. The tubes are held on a specially constructed hinged frame from which they are easily handled. Put up in fine, nickel plated metal case. This outfit represents the latest and most up-to-date set of intubating instruments ever placed on the market.

Price, complete .....\$19.50

*C-5655	Ferroud-Thorner's Intubation Set, 1 handle.....	12.00
*C-5656	Ferroud-Thorner's Intubation Set, 2 handles.....	15.00
*C-5657	Ferroud-Thorner's Intubation Set, 3 handles.....	18.00

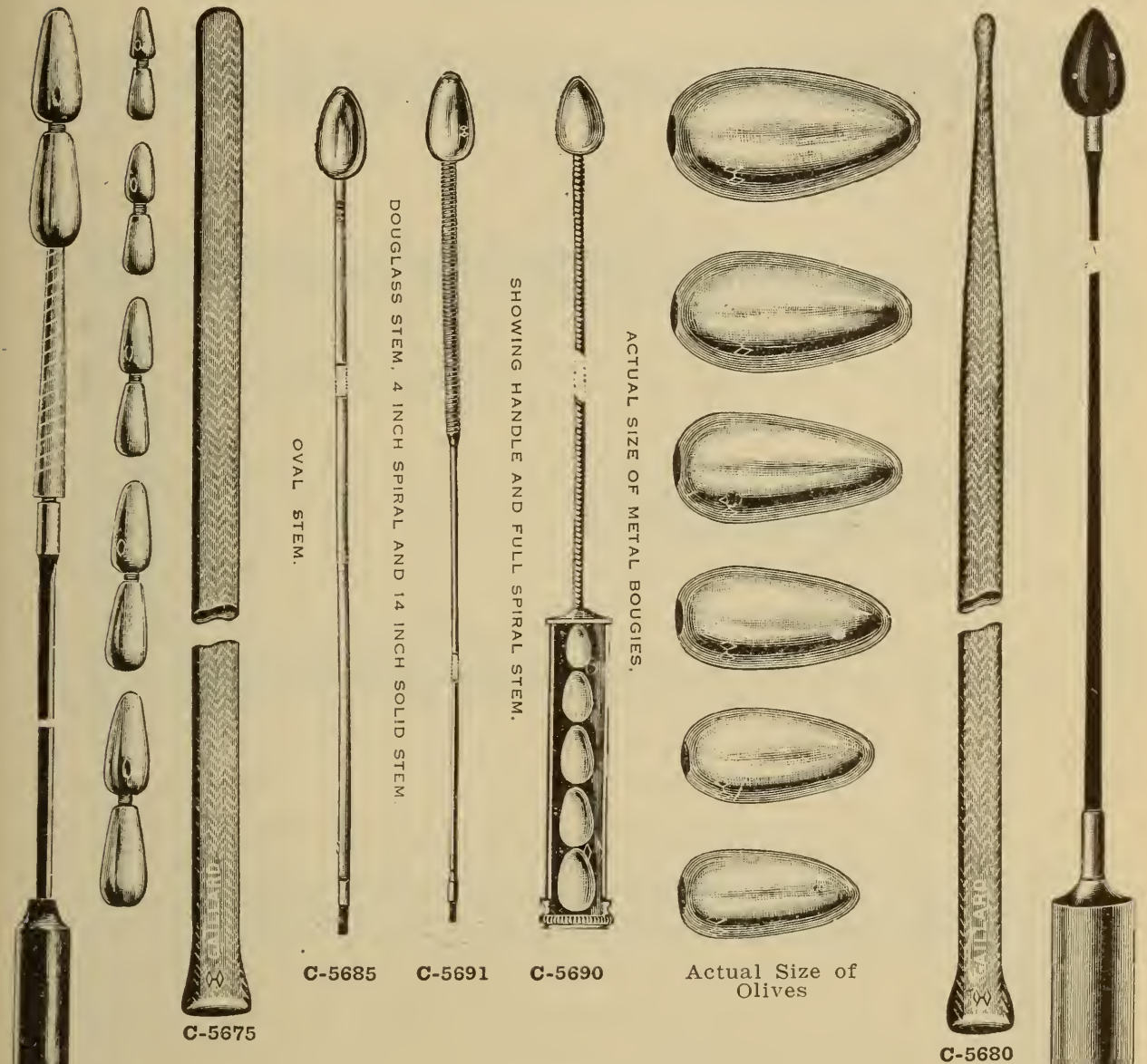


C-5660

C-5660	O'Dwyer-Ermold's Intubation Set, children's.....	\$26.50
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## ESOPHAGEAL INSTRUMENTS



## BOUGIES

- C-5675 Esophageal, cylindrical, French, best quality...\$1.50  
 C-5680 Esophageal, olive point, French, best quality.. 1.80  
 \*C-5677 Esophageal, McKenzie-Ingall's, oval, sizes from  
 5 to 14 English scale, each..... 1.75

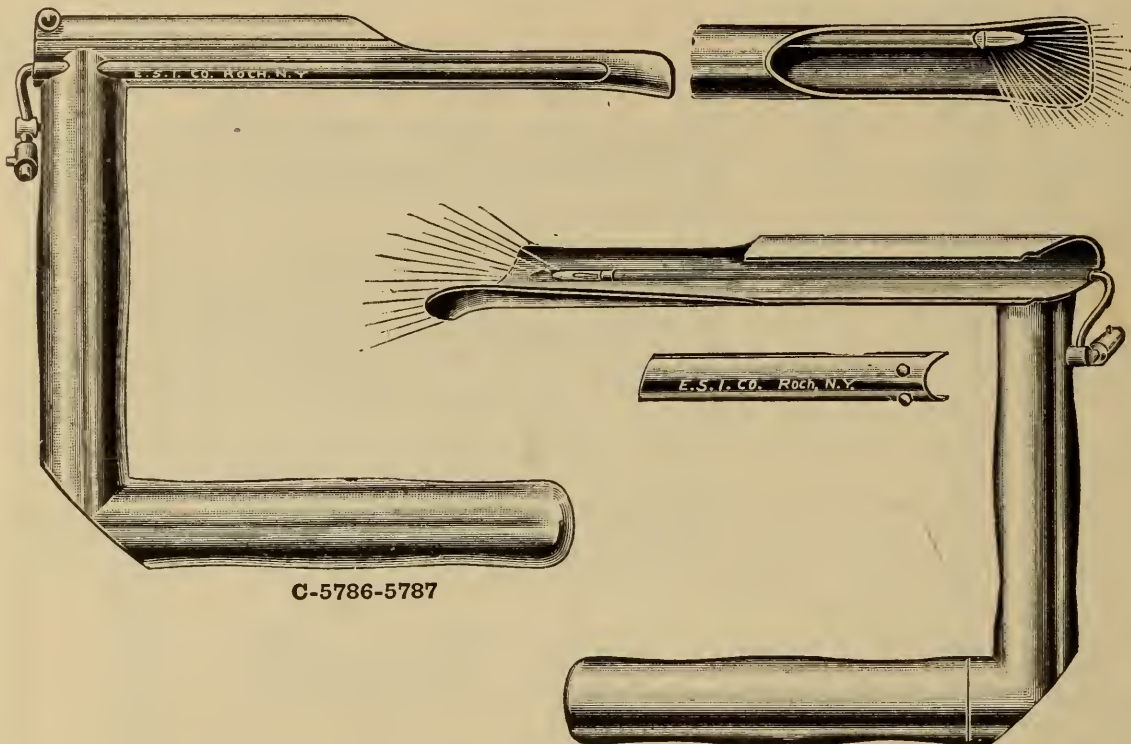
## DILATORS

- C-5682 Plummer's, exploring and dilating, with metal  
 spiral extension tip, and set of series and  
 single olives ..... 8.50  
 C-5685 Trosseau's, oval metal stem, tubular metal han-  
 dle, containing 6 metal olives..... 3.25  
 C-5690 Trosseau's, flexible spiral stem, tubular metal  
 handle containing 6 metal olives..... 3.50  
 C-5691 Trosseau's, with Douglass' stem, 4 inch spiral  
 and 14 inch solid stem..... 3.50

C-5692 Trosseau's, flexible whalebone stem, tubular metal handle containing 6  
 hard rubber olives.....\$4.50

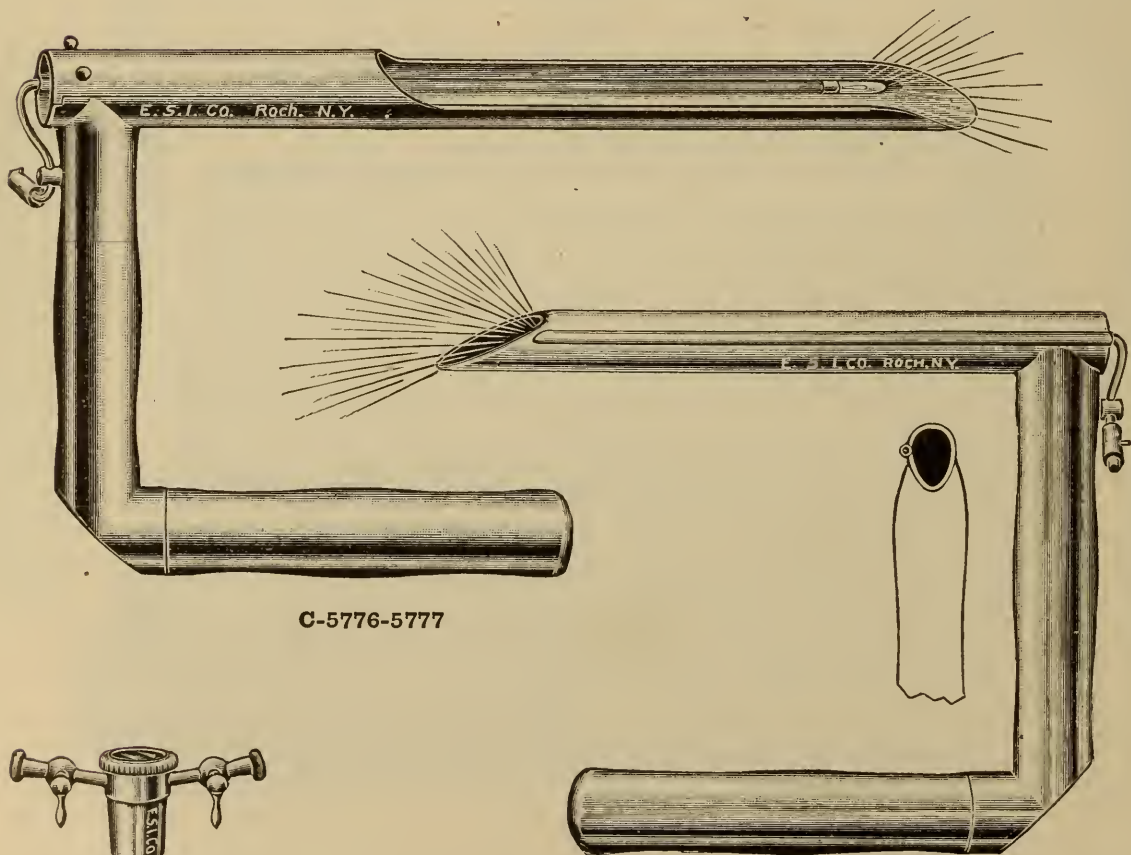
\*C-5695 Verneuil's, with flexible extension end, probe pointed, and 6 hard rubber  
 olives ..... 7.25

LARYNGOSCOPIC BRONCHOSCOPIC, ESOPHAGOSCOPIC AND GASTROSCOPIC INSTRUMENTS



C-5786-5787

C-5771-5772



C-5776-5777

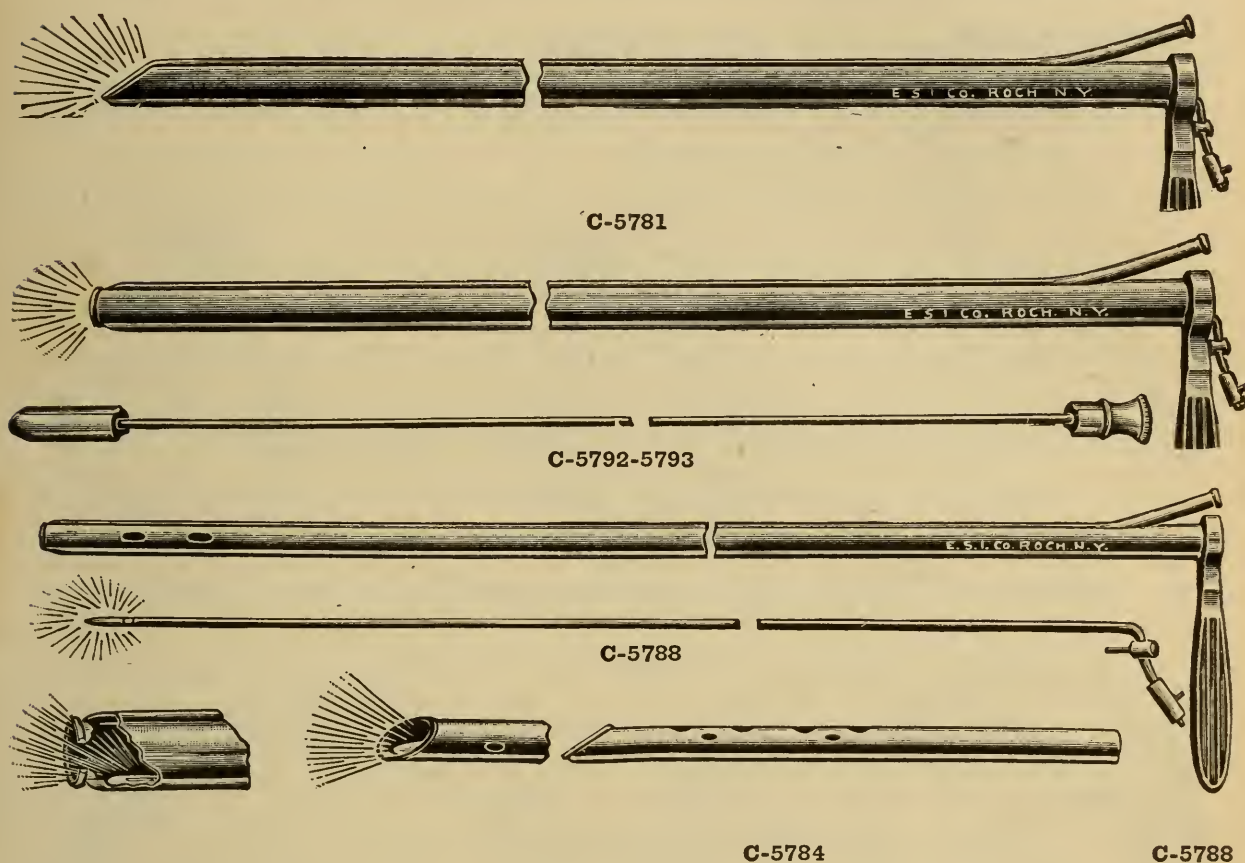
C-5773



C-5778



# LARYNGOSCOPIC BRONCHOSCOPIC, ESOPHAGOSCOPIC AND GASTROSCOPIC INSTRUMENTS



## INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY, ESOPHAGOSCOPY AND GASTROSCOPY

The designs for these instruments were furnished by Dr. Chevalier Jackson of Pittsburgh, Pa., and have been made for him and under his directions by the Electro Surgical Instrument Company of Rochester, N. Y. In order to secure the correct pattern of these instruments we would ask our customers to specify this make.

A catalogue giving complete description with illustration of Dr. Jackson's instruments will be mailed upon request.

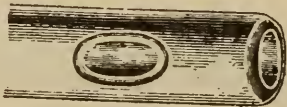
*C-5840	Lamp and Carrier for Jackson's tubes.....	\$ 2.50
*C-5845	Aspirator, Jackson's, for secretions, with all metal suction pump.....	5.00
C-5786	Laryngeal Speculum, Jackson's, No. 7, with slide (adult) 14 mm. by 16 c.m. ....	20.00
C-5787	Laryngeal Speculum, Jackson's, No. 8, with slide (child's) 12 mm. by 14 c.m. ....	20.00
C-5771	Laryngeal Speculum, Jackson's, oval side slide (adult) 25 mm. by 14½ mm. by 16 c.m. ....	22.00
C-5772	Laryngeal Speculum, Jackson's, oval side slide (child's) 23½ mm. by 12 mm. by 14 c.m. ....	22.00
C-5773	Laryngeal Speculum, Jackson's, anterior commissure, 9 mm. by 7 mm. by 17 c.m. ....	18.00
*C-5774	Laryngeal Speculum, Johnston's, 10 mm. by 17 c.m. ....	18.00
C-5776	Esophageal Speculum, Jackson's (adult) 14 mm. by 24 c.m. ....	19.00
C-5777	Esophageal Speculum, Jackson's (child's) 12 mm. by 17 c.m. ....	19.00
C-5781	Esophagoscope, Jackson's, slanted end, without obturator, with auxiliary drainage tube, No. 1 (adult), 10 mm. by 53 c.m., \$15.00; No. 2 (child's), 7 mm. by 45 c.m. ....	11.00
C-5784	Bronchoscope, Jackson's, slanted end, without obturator, without auxiliary drainage tube, No. 3 (adult), 9 mm. by 40 c.m., \$11.00; No. 4 (adolescent), 7 mm. by 40 c.m., \$11.00; No. 5 (child's), 5 mm. by 30 c.m., \$9.00; No. 6 (infant's), 4 mm. by 30 c.m. ....	9.00
C-5788	Bronchoscope, Jackson's, blunt end, with auxiliary drainage tube, 7 mm. by 45 c.m., \$11.00; 5 mm. by 45 c.m., \$10.00; 5 mm. by 30 c.m. ....	9.00
*C-5794	Bronchoscope, Jackson's, modified by Dr. D. Braden Kyle, with long and short light carriers, 7 mm. by 40 c.m. ....	14.50
C-5792	Gastroscope, Jackson's, for ordinary cases, 10 mm. by 70 c.m. ....	21.00
C-5793	Gastroscope, Jackson's, for extreme cases of gastroptosis, 10 mm. by 80 c.m. ....	24.00
C-5778	Window Plug .....	5.50

This attachment is employed by Dr. Mosher for ballooning the esophagus or stomach, and used with Dr. Jackson's esophagoscopes and gastroscopes.

STOMACH APPARATUS



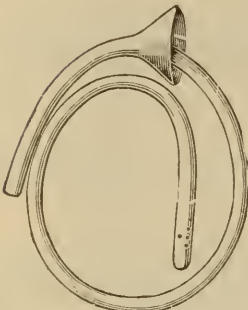
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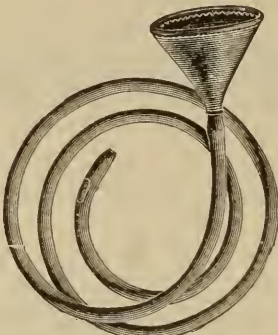
B



C-5890



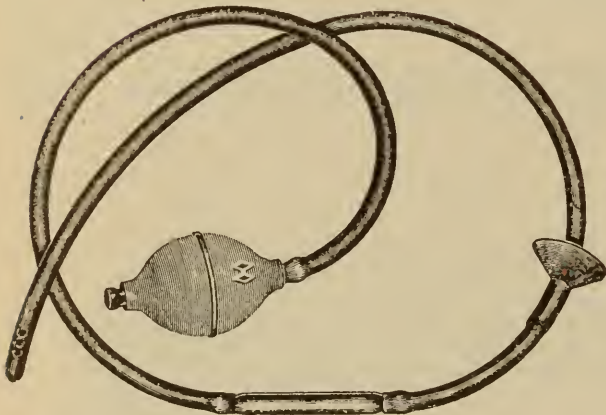
C-5892



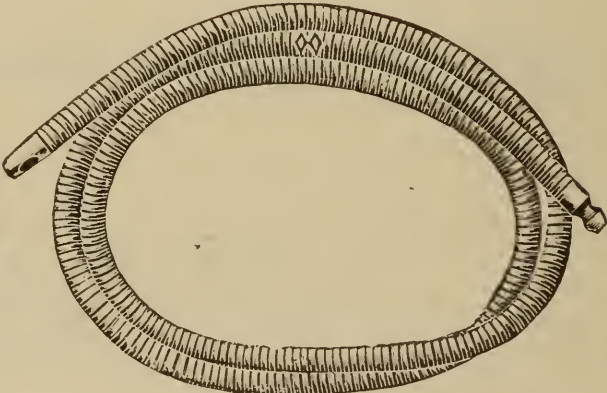
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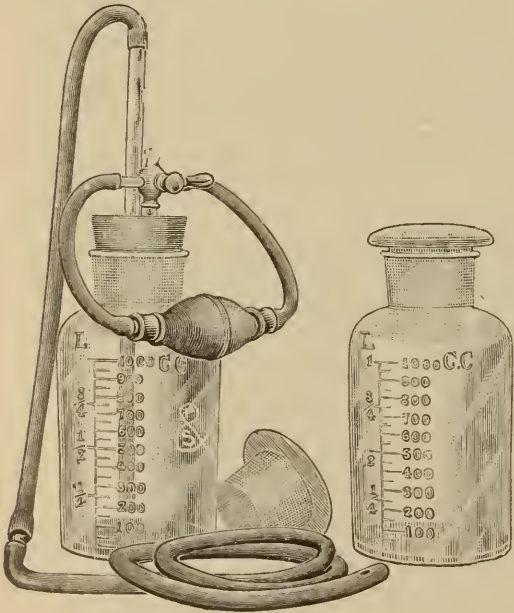
C-5900



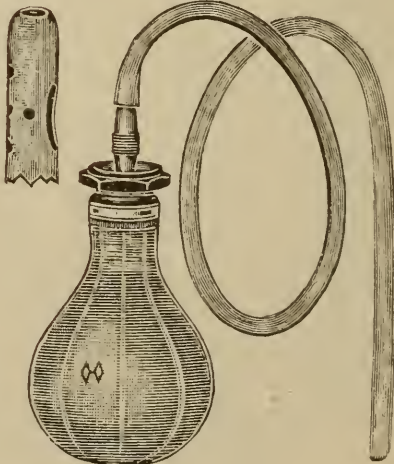
C-5888



C-5901



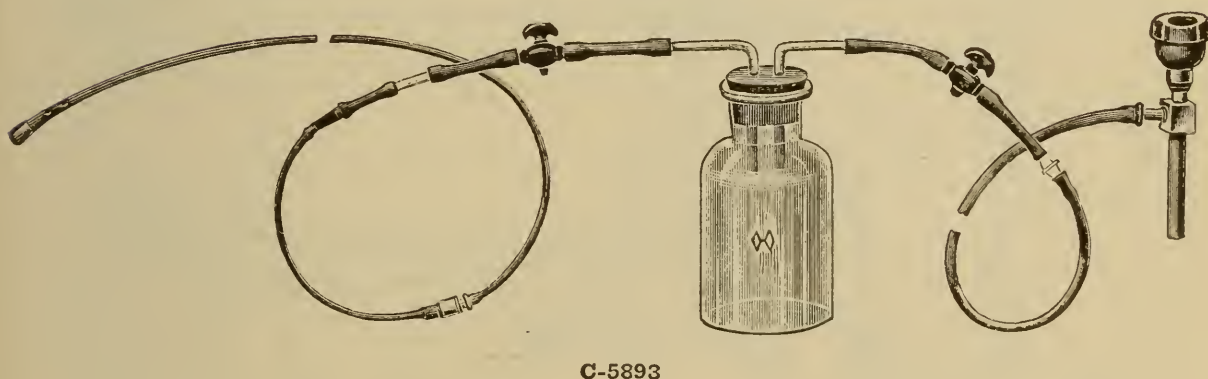
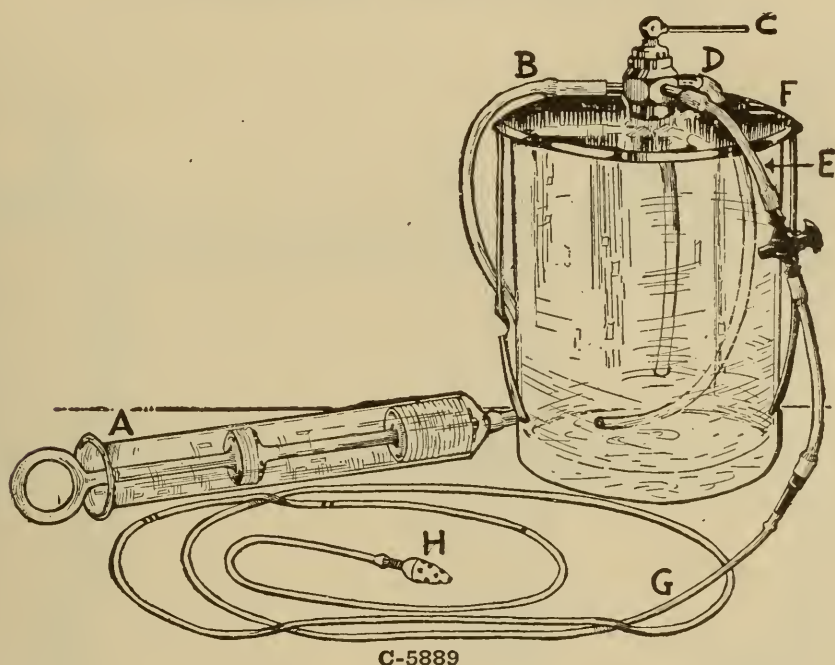
C-5843



C-5850



## STOMACH APPARATUS



## STOMACH TUBES, APPARATUS, ETC.

C-5848	Aspirator, Daland's, for obtaining stomach contents.....	\$13.50
C-5850	Aspirator, Ewald's, for obtaining stomach contents.....	7.25
*C-5860	Electrode, Einhorn's, intra gastric .....	3.50
*C-5865	Electrode, Rosenheim's, intra gastric.....	5.00
*C-5870	Gastrodiaphane, Einhorn's, for trans-illumination.....	12.00
*C-5875	Glass Funnels, for stomach tubes, each, 35c to.....	.60
*C-5880	Gyromele, Turck's .....	3.50
C-5888	Tube, Chase's, complete with bulb.....	3.00
C-5890	Tube, Ewald's, soft rubber, length 24 inches.....	2.00
C-5901	Tube, spiral metal, flexible, 48 inches long.....	1.50
*C-5891	Tube, Paine's, nasal feeding .....	2.00
C-5892	Tube, Rosenheim's, soft rubber, with saliva shield.....	1.75
C-5895	Tube, soft rubber, with funnel, 3 sizes, length 60 inches.....	2.00
C-5900	Tube, soft rubber, with bulb and funnel, 3 sizes, length 60 inches.....	2.50
*C-5905	Tube, Turck's, soft rubber, return flow.....	3.00

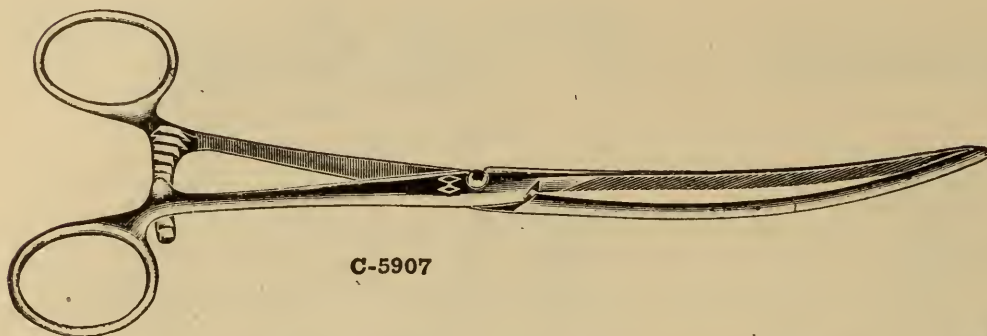
Note.—Fig. A shows stomach tube with closed end and side opening. Fig. B with open end and side opening. In ordering specify the style wanted.

C-5889	Duodenal Feeding and Stomach Test Apparatus, Einhorn's, price, without tumbler .....	7.50
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Used in cases of Ulcer or Cancer of the Stomach, Dilatation, Nervous Vomiting, certain diseases of the liver and after operation on the stomach, or in any condition where the food should not touch the stomach.

C-5893	Jutte's Apparatus, for trans-duodenal lavage in intestinal toxæmia (can also be used for duodenal feeding), complete as illustrated...	8.00
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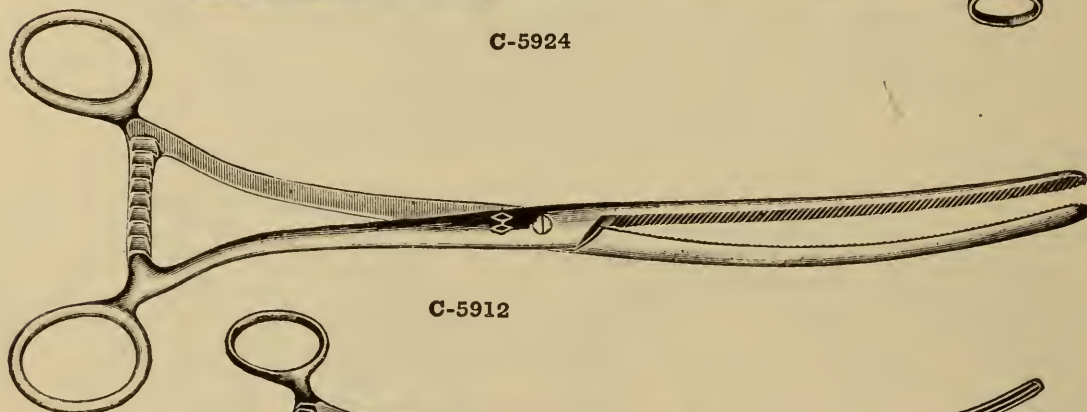
## STOMACH AND INTESTINAL



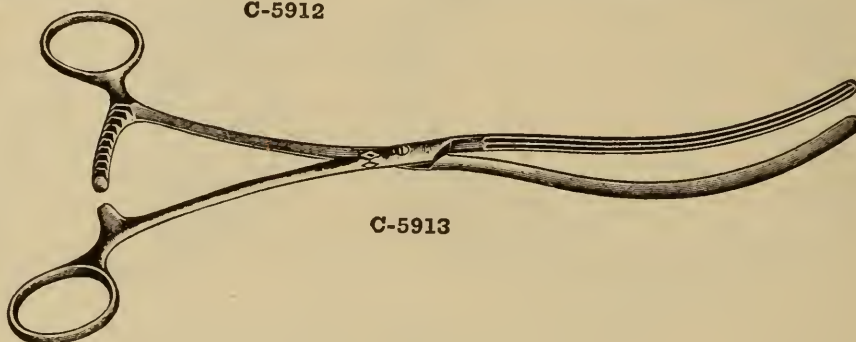
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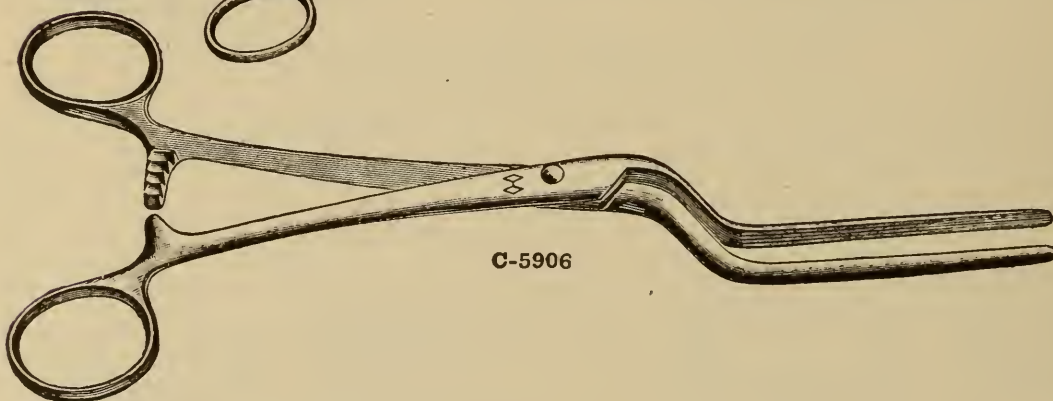
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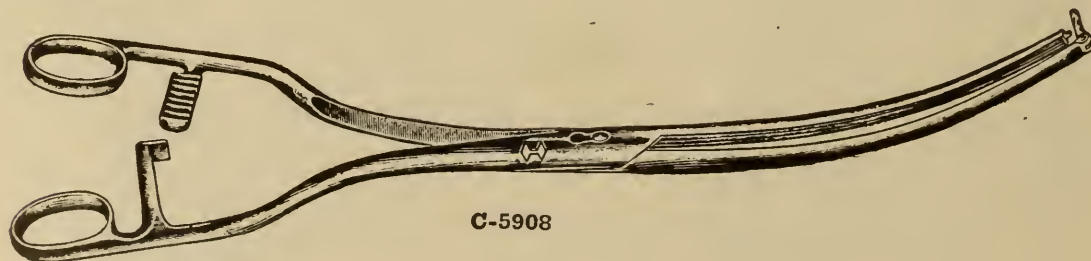
C-5912



C-5913



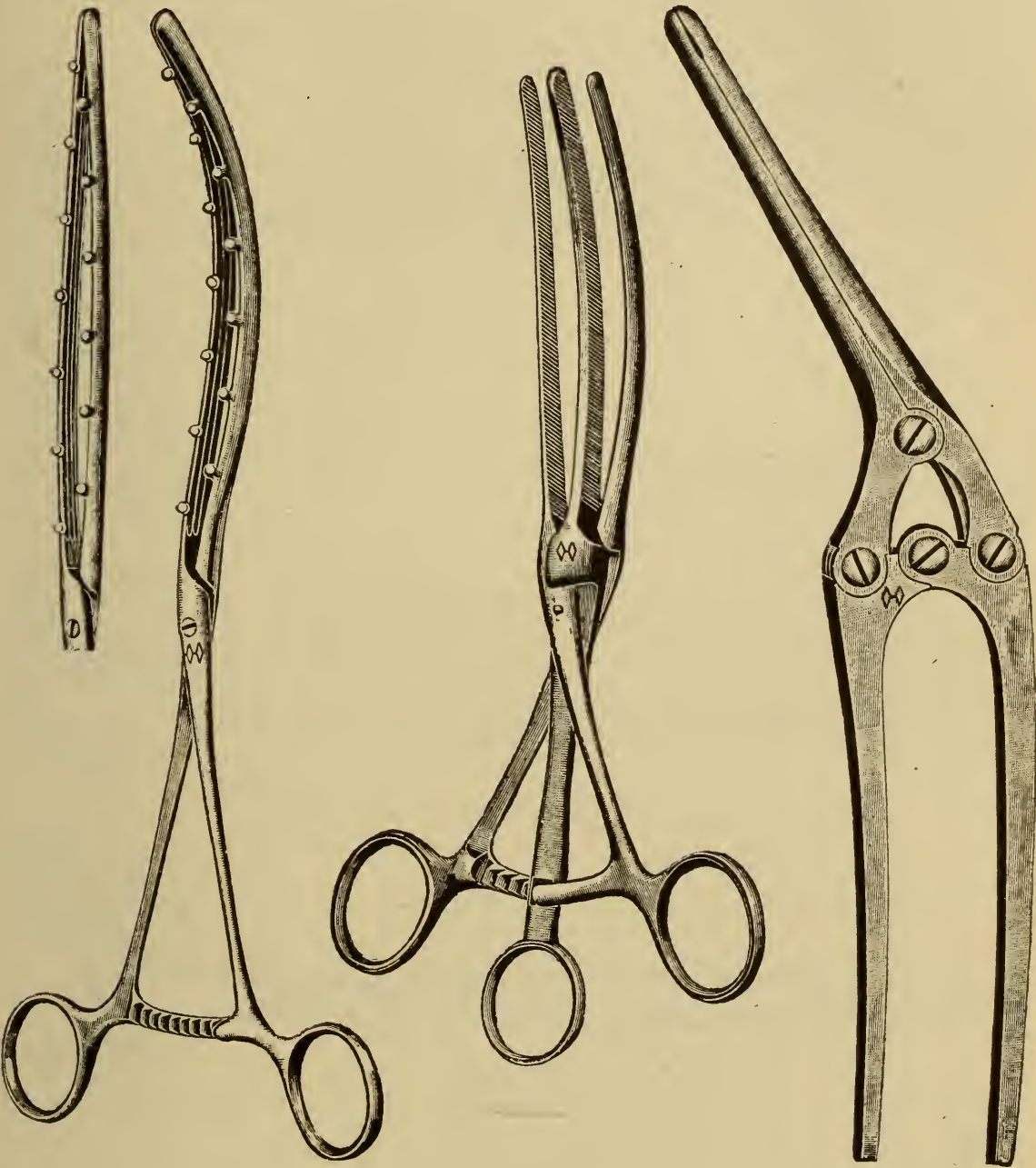
C-5906



C-5908



STOMACH AND INTESTINAL



C-5916-5919

C-5909

C-5921-5923

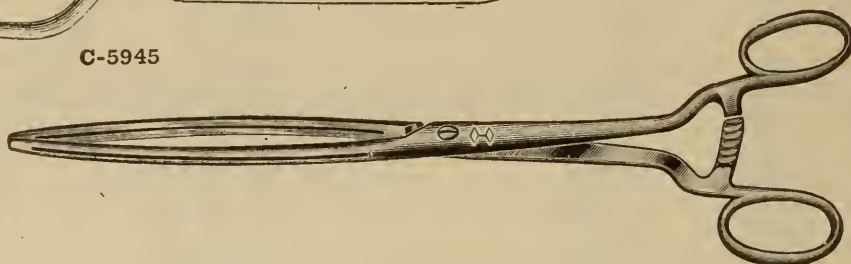
CLAMP FORCEPS

C-5906	Brunner's, bayonet shape, 10 inch.....	\$ 4.00
C-5911	Doyen's, straight, 8¾ inch .....	3.00
C-5907	Doyen's, curved, 9 inch .....	3.50
C-5908	Kocher's, curved, for resections, 14½ inch.....	8.50
C-5913	Kocher's, double curved, 9¾ inch.....	3.25
*C-5914	Lane's, gastro-enterostomy, 2 in set.....	20.00
C-5909	Linnartz's, 3 bladed, 8¾ inch.....	11.50
C-5912	Mayo-Robson's, curved, 10 inch.....	3.85
C-5924	Moynihan's, straight, 15 inch.....	4.25
C-5916	Payr's, straight, 9½ inch .....	4.75
C-5917	Payr's, straight, 10½ inch .....	5.00
C-5918	Payr's, curved, 9½ inch .....	5.25
C-5919	Payr's, curved, 10½ inch.....	5.50
C-5921	Payr's, pylorus clamp, 8 inch.....	11.00
C-5922	Payr's, pylorus clamp, 11 inch.....	13.50
C-5923	Payr's, pylorus clamp, 13¾ inch.....	15.00

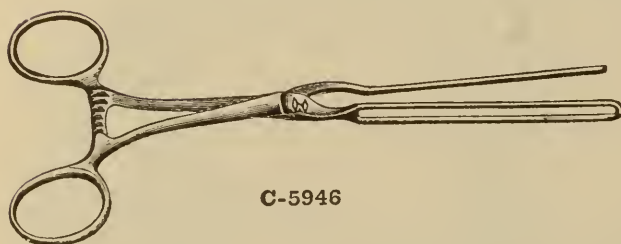
## STOMACH AND INTESTINAL



C-5945



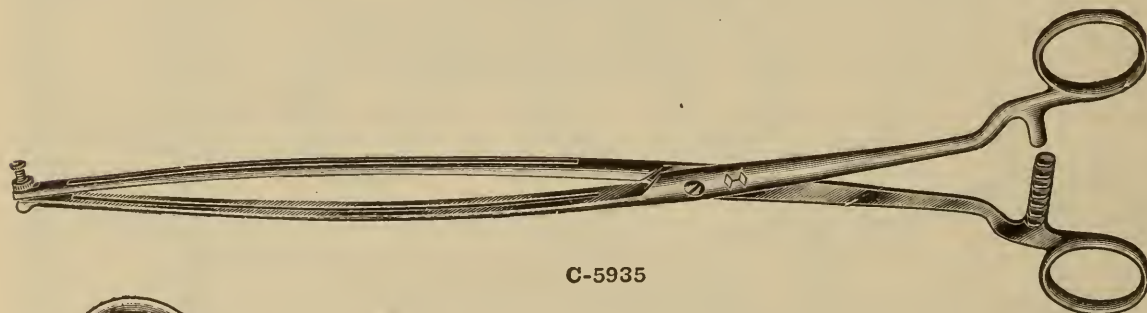
C-5930-5932



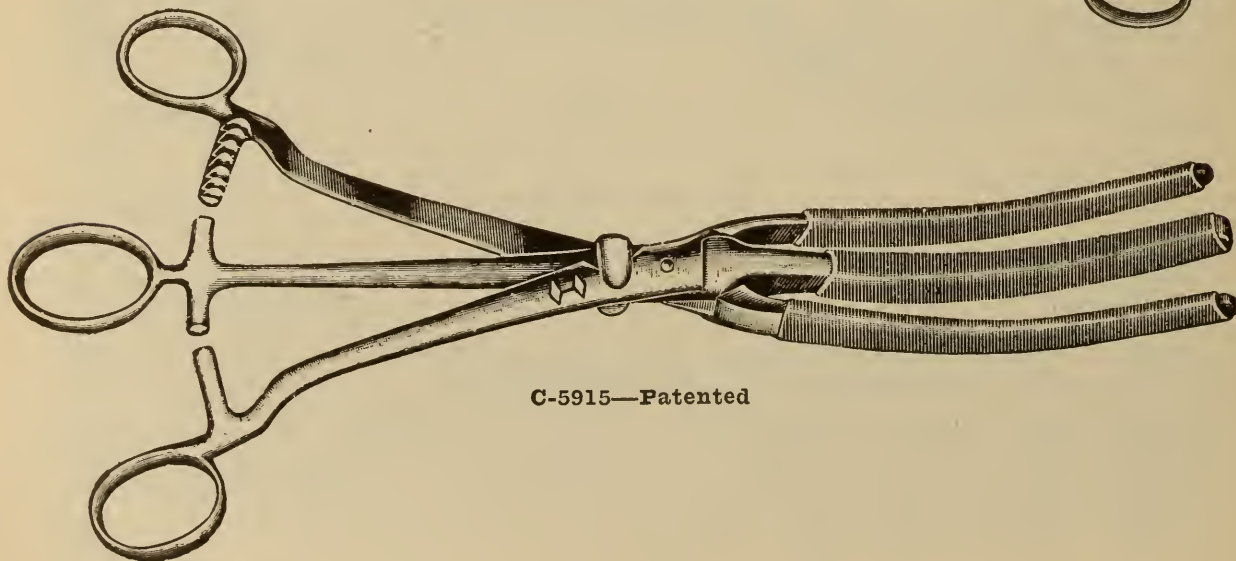
C-5946



C-5936



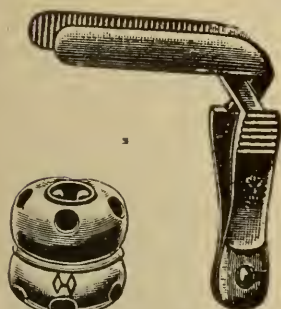
C-5935



C-5915—Patented



## STOMACH AND INTESTINAL



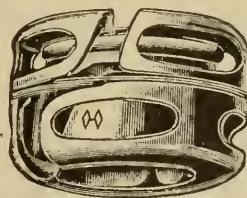
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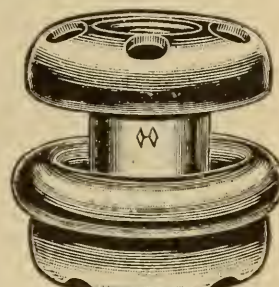
C-5950



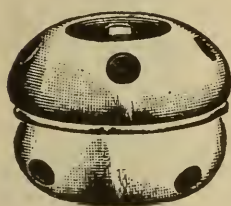
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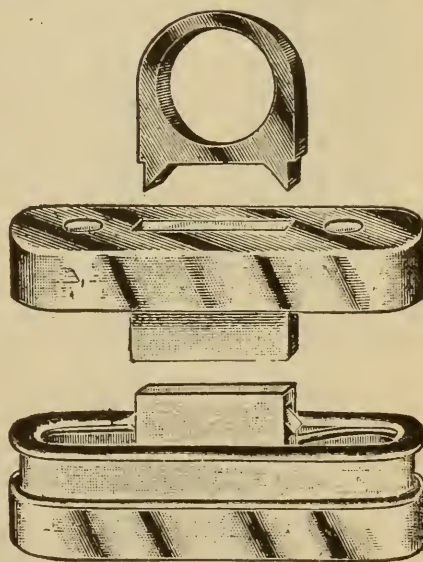
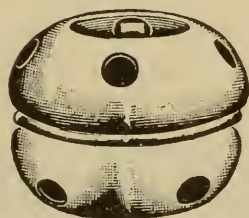
C-6020



C-6045



C-6035



C-6040

## CLAMP FORCEPS

- C-5915 Roosevelt's, double clamp (patented).....\$14.00

This clamp consists of three parts—a central blade and two lateral blades. The lock is a double Collins, permitting of easy separation and removal of the blades.

It is designed for use in suture anastomotic work. It was originally intended for use in the operation of gastroenterostomy, but it will probably prove equally as efficient, if not more so, in enteroenterostomy.

- C-5930 Scudder's, gastro-enterostomy, 9 inches long, fenestrated ..... 3.50  
 C-5932 Scudder's, gastro-enterostomy, 9¾ inches long, fenestrated ..... 3.75  
 C-5935 Scudder's, stomach clamp, straight, 14 inch, with clamp screw..... 6.25  
 C-5936 Scudder's, stomach clamp, curved, 14 inch, with clamp screw ..... 6.75  
 \*C-5938 Thomas' (J. Lynn), three bladed..... 15.75

## CLAMPS, INTESTINAL

- \*C-5993 Bartlett's (Dr. Willard)..... 3.50  
 \*C-5940 Ferguson's ..... 2.00  
 C-5945 Knapp's, 7 inch..... 1.25  
 C-5946 Kocher's, screw lock, 7¼ inch..... 2.25  
 C-5950 Murphy's ..... 1.25

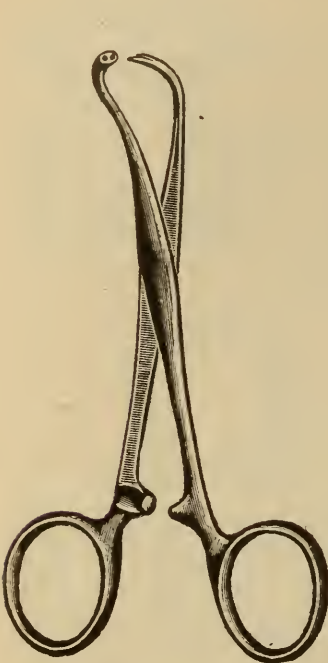
## ANASTAMOSIS BUTTONS

- C-6020 Jaboulay-Lumiere's, 3 sizes.....each 5.00  
 \*C-6030 Murphy's, for draining the gall bladder, 1 size 3.50  
 C-6035 Murphy's, regular, 4 sizes, per set of four, \$6.75; each..... 1.85  
 C-6040 Murphy's, oval, gastro-enterostomy, 1 size... 6.50  
 C-6045 Murphy's, round, gastro-enterostomy, 1 size... 2.75  
 C-6042 Murphy's, round, small, ¾ inch in diameter... 2.50  
 C-6043 Murphy's, round, extra small, ½ inch in diameter ..... 2.50  
 C-6000 Murphy's Button Forceps, introducing..... 2.50  
 C-6014 Tennant's, anastomosis forceps ..... 10.50

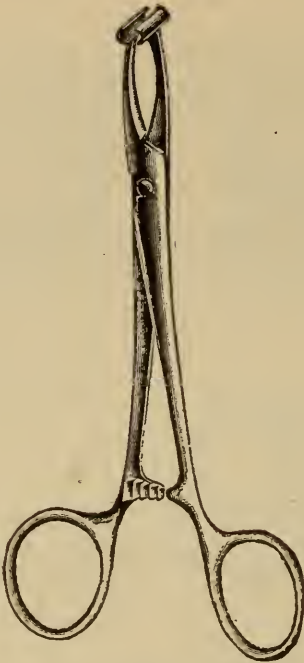


C-6000

INTESTINAL AND PERITONEAL



C-6010



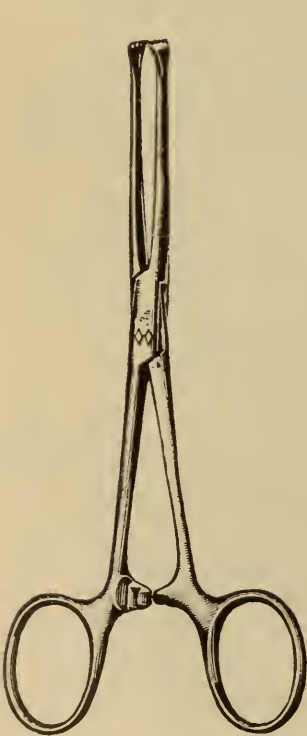
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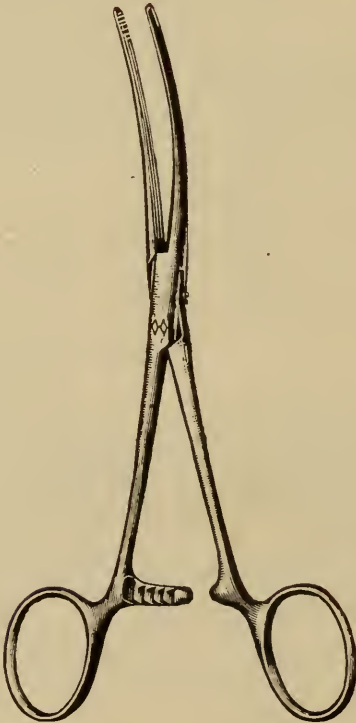
C-5980



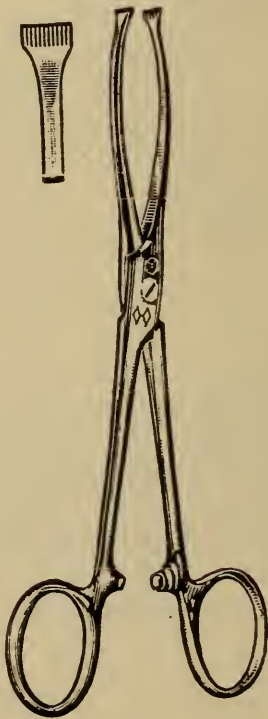
C-6012



C-5965



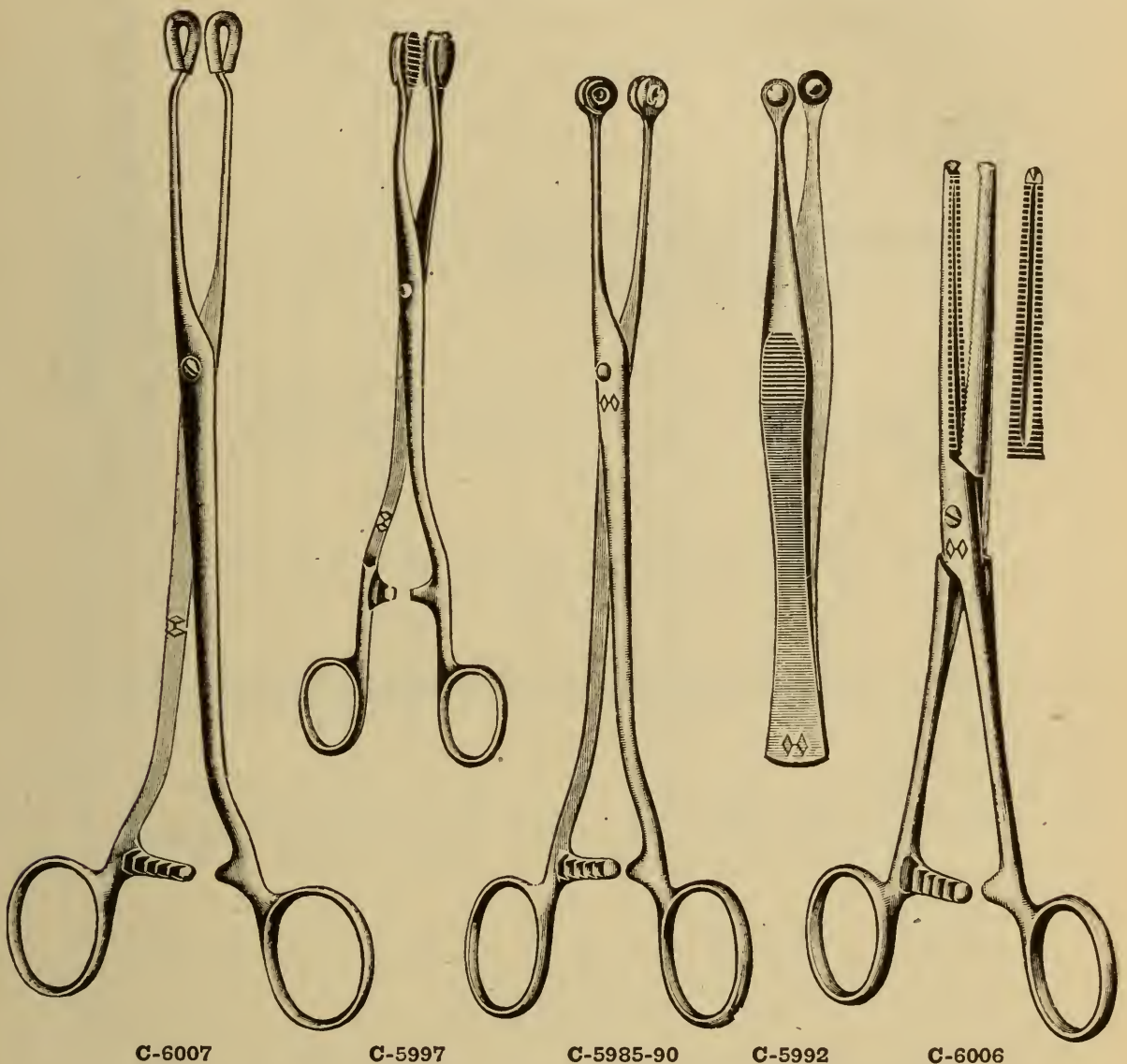
C-5982



C-5999



## INTESTINAL AND PERITONEAL



C-6007

C-5997

C-5985-90

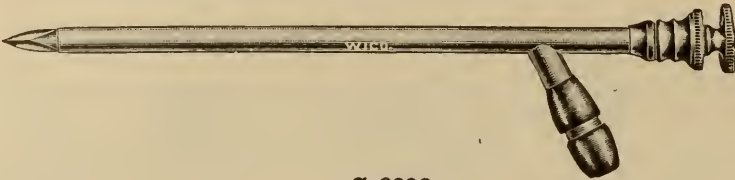
C-5992

C-6006

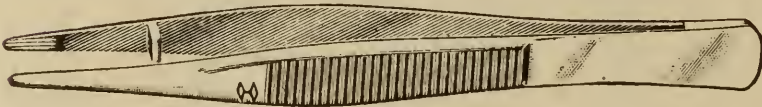
## INTESTINAL AND MARGINAL FORCEPS

*C-5955	Allis', end teeth, aseptic or screw joint.....	\$1.50
C-5965	Allis', end teeth, box joint .....	2.00
C-5980	Allis', tack, improved model.....	2.00
*C-5981	Bainbridge's, straight, box joint.....	2.50
C-5982	Bainbridge's, curved, box joint.....	2.75
C-5985	Barrett's, rubber jaws, 6¼ inch.....	3.50
C-5990	Barrett's, rubber jaws, 8¼ inch.....	4.25
C-5992	Barrett-Murphy's, rubber jaws, 6 inch.....	2.00
C-5997	Child's, rubber jaws, 9¼ inch.....	3.25
C-5999	Jackson's, with flat teeth, mortise screw joint.....	1.75
C-6005	Pratt-Smith's, T shape.....	1.85
C-6006	Rosenthal's, hernial, 6¾ inch, \$2.50; 7½ inch.....	3.00
C-6007	Schoenberg's, ring handles, 8¾ inch.....	3.50
*C-6008	Schoenberg's, spring, 7¾ inch.....	2.50
C-6010	Smith's, marginal tenaculum.....	1.75
C-6012	Young's, spring, rubber jaws, 7 inch.....	3.00

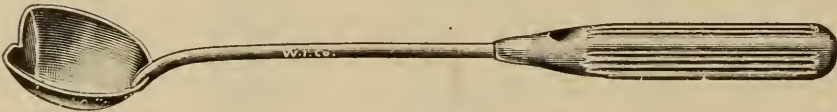
INTESTINAL AND GALL BLADDER



C-6092



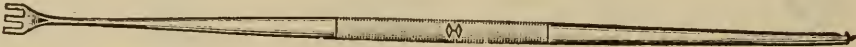
C-6082



C-6078



C-6090



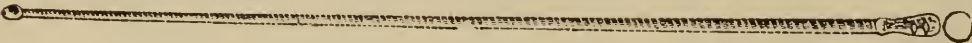
C-6096



C-6084.



C-6085



C-6062



C-6064



C-6065



C-6070



C-6075



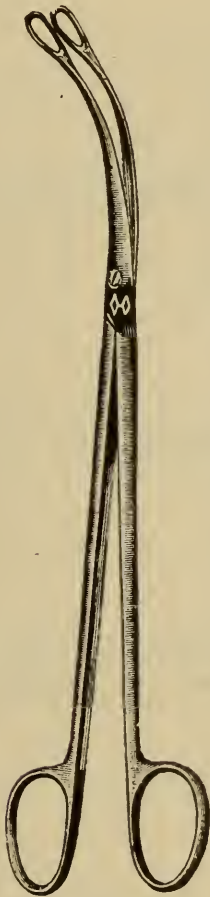
C-6063



# INTESINAL AND GALL BLADDER



C-6048



C-6049



C-6050



C-6055

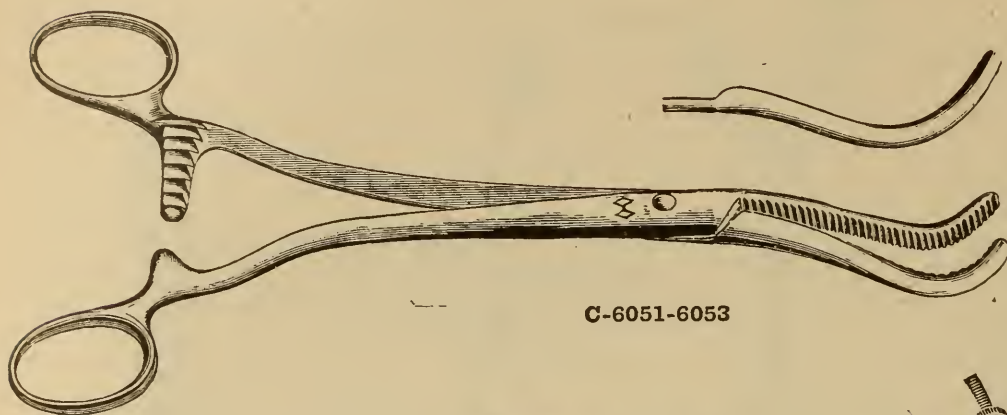
## INTESINAL

C-6082	Forceps, Van Meter's, tucking, appendix.....	\$1.75
C-6085	Packer, Kelly's, trident.....	.60
C-6083	Protector, Miller's, viscera.....	6.50
C-6090	Replacer, Richardson's, bowel.....	3.00
C-6084	Tucker, Barrett's, appendix.....	1.00
*C-6095	Tucker, Mayo-Boldt's, for tucking the cuff of the appendix.....	.60
C-6096	Tucker and Packer, Mayo-Kelly's.....	1.00

## GALL BLADDER

C-6048	Forceps, Blake's, straight .....	2.25
C-6049	Forceps, Blake's, curved .....	2.25
C-6050	Forceps, Blake's, modified by Mayo.....	2.50
C-6055	Forceps, Collins', gall duct.....	4.00
*C-6060	Forceps, Murphy's, gall duct.....	4.25
*C-6061	Probes, Desjardin's, 3 sizes.....	1.50
C-6062	Probe, Faenger's, spiral, gall duct.....	1.50
C-6064	Probe and Scoop, Moynihan's, block tin.....	1.25
C-6063	Scoop, Desjardin's .....	2.40
C-6065	Scoop, Ferguson's, double ended, 3 sizes, each.....	1.10
C-6066	Scoop, Franklin's, double ended, 1 size.....	1.75
C-6070	Scoop, Mayo's, double ended, 1 size.....	1.75
C-6075	Scoop, Mayo-Robson's, steel.....	2.50
C-6078	Spoon, Moore's, gall stone.....	3.25
C-6092	Trocar, Ochsner's, for draining the gall bladder.....	1.75

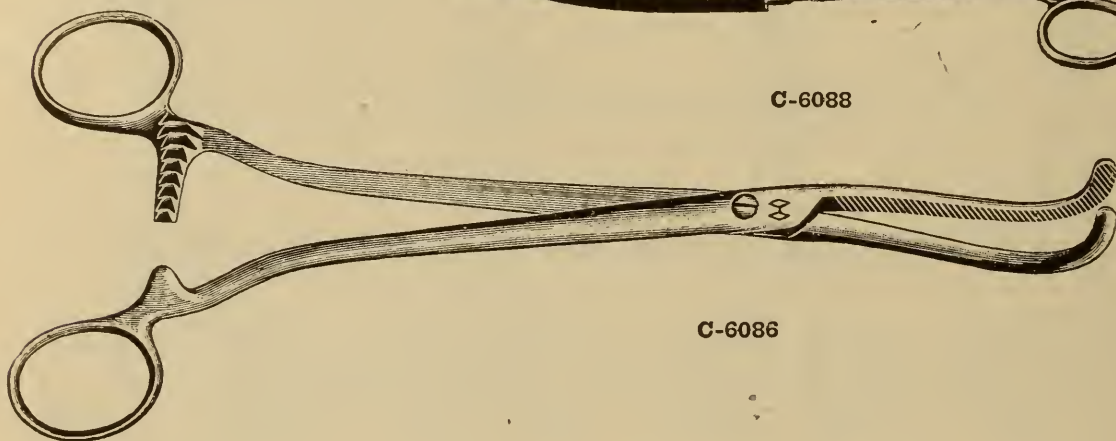
## GALL BLADDER AND NEPHRECTOMY



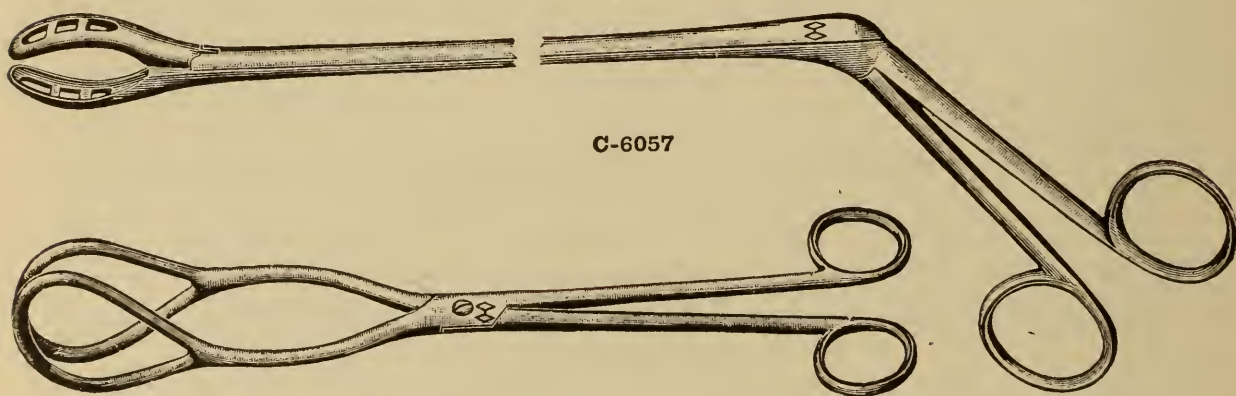
C-6051-6053



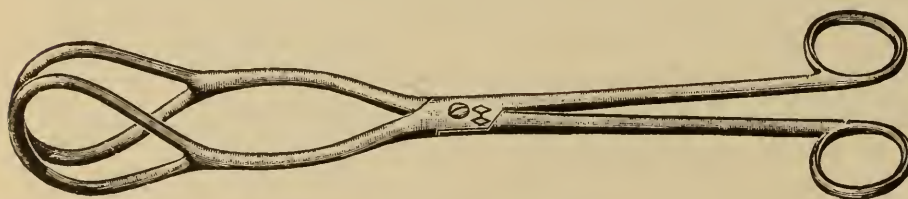
C-6088



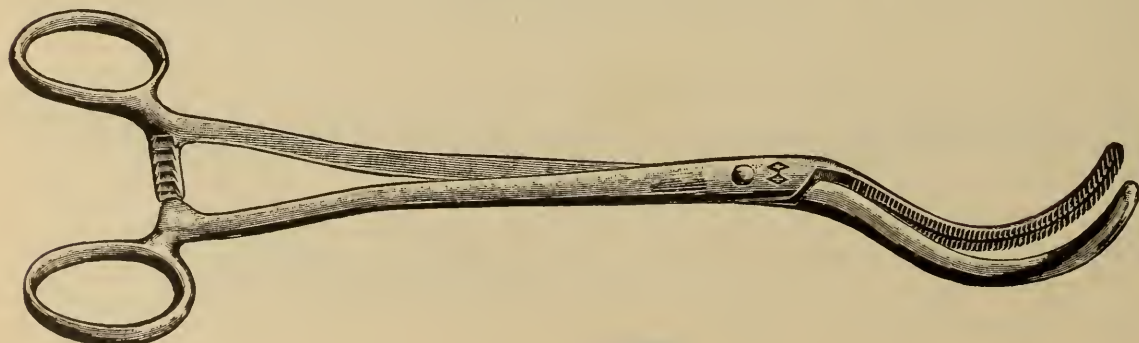
C-6086



C-6057



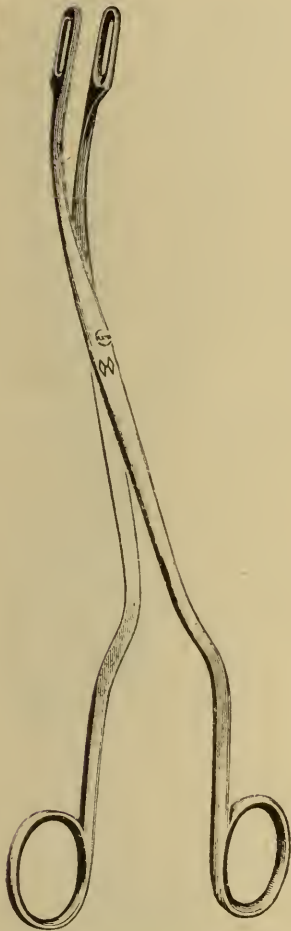
C-6087



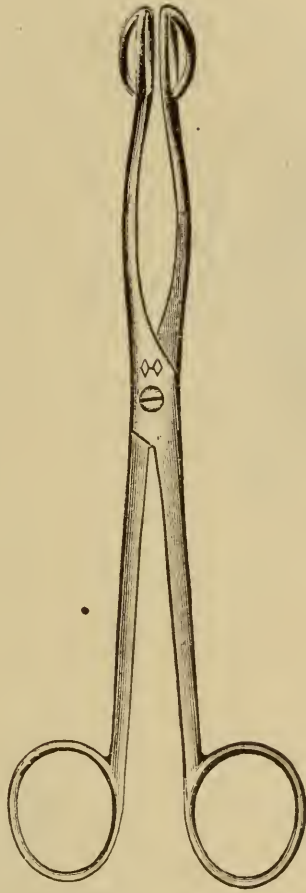
C-6089



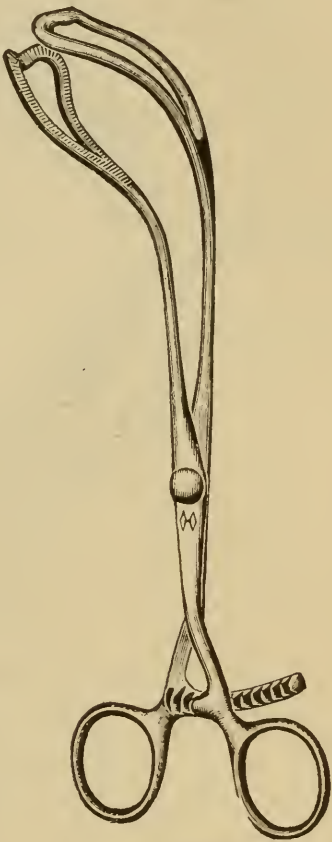
GALL BLADDER AND NEPHRECTOMY



C-6059



C-6058



C-6054

GALL STONE FORCEPS

C-6059	Stille's .....	\$ 3.00
C-6057	Tait's .....	10.00
C-6058	Wardlow's .....	2.75

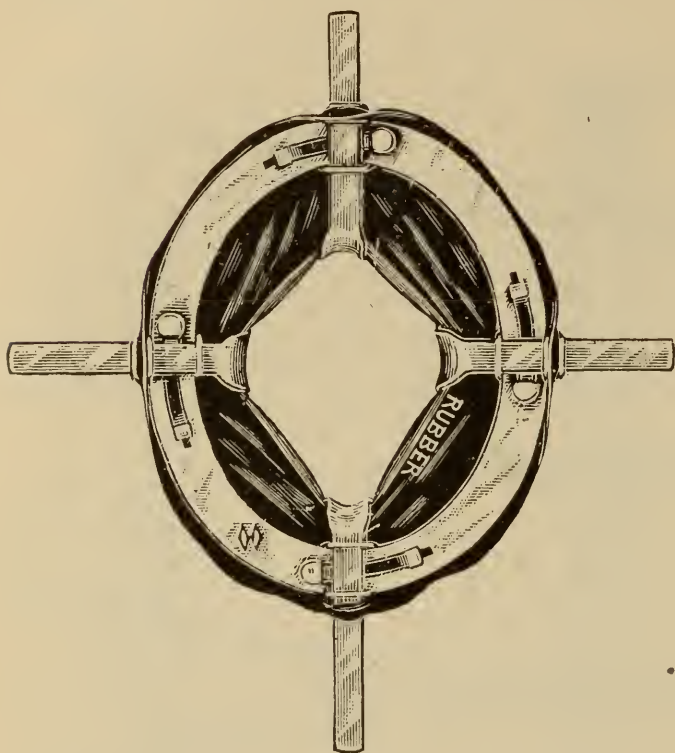
NEPHRECTOMY FORCEPS

C-6086	Guyon's, vessel clamp, serrated jaw.....	\$ 3.85
C-6088	Lower's, vessel clamp, rubber covered jaws.....	4.00
C-6087	Lower's, elevating forceps .....	3.50
C-6051	Mayo's, vessel clamp, 8 inch.....	2.40
C-6052	Mayo's, vessel clamp, 8¾ inch.....	2.60
C-6053	Mayo's, vessel clamp, 9½ inch.....	2.90
C-6054	Sherk's, elevating forceps.....	7.50
C-6089	Stille's, vessel clamp.....	5.75

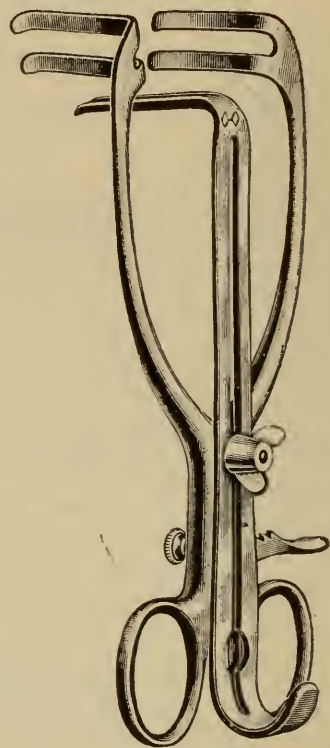
RETRACTORS

*C-6091	Morris', blades 3 x 4 cm.....	\$ 6.50
*C-6093	Morris', blades 4½x5 cm.....	6.50
*C-6094	Morris', blades 5½x6½ cm.....	6.50
*C-6097	Legueu's .....	3.00
*C-6098	Tuffier's .....	.90

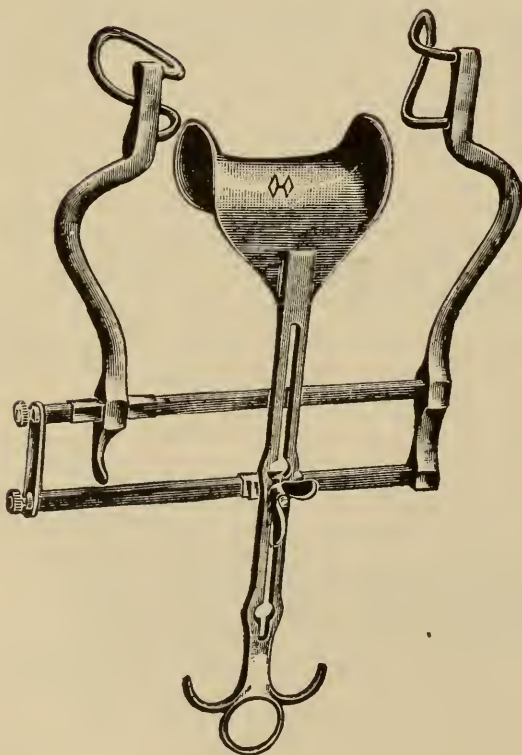
## INTESTINAL AND GALL BLADDER



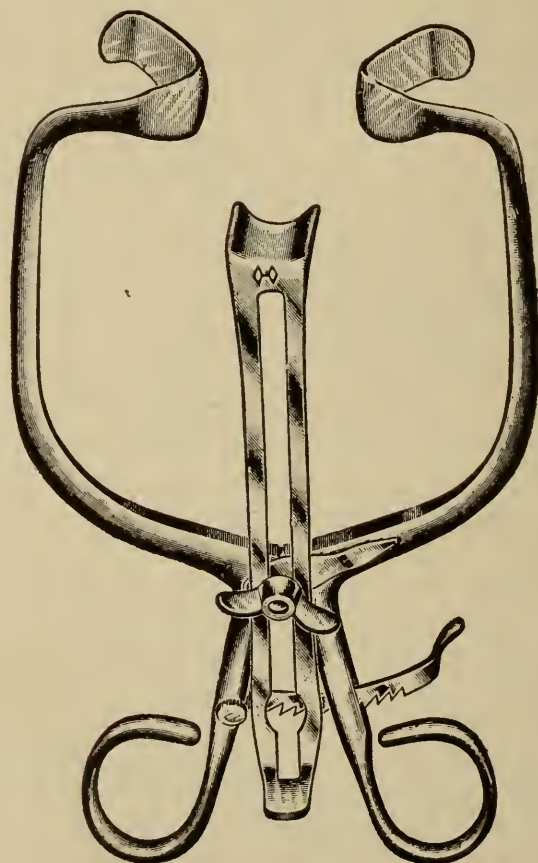
C-6108



C-6112



C-6106



C-6120



## ABDOMINAL RETRACTORS, SELF RETAINING

C-6106	Balfour's, automatic .....	\$10.00
*C-6107	Balfour's, extra narrow blade only.....	4.00
C-6108	Bates', automatic (circular on request).....	18.50
*C-6110	Mayo (Dr. W. J.), for appendectomy and herniotomy.....	4.50
C-6112	Mayo-Collins', for appendectomy and herniotomy.....	6.00
*C-6115	Mayo-Simpson's, abdominal.....	7.25
C-6120	Mayo-Collins'-Simpson's, abdominal.....	9.00
*C-6121	Mayo's, simplex, abdominal.....	6.00
*C-6122	Morton's, abdominal wall lifter.....	3.50
*C-6140	Webster's, abdominal, self-retaining.....	15.00

Note—For illustrations and prices of other Retractors, refer to Section B.

## Section "D"

Rectal

Protastic

Phimosis

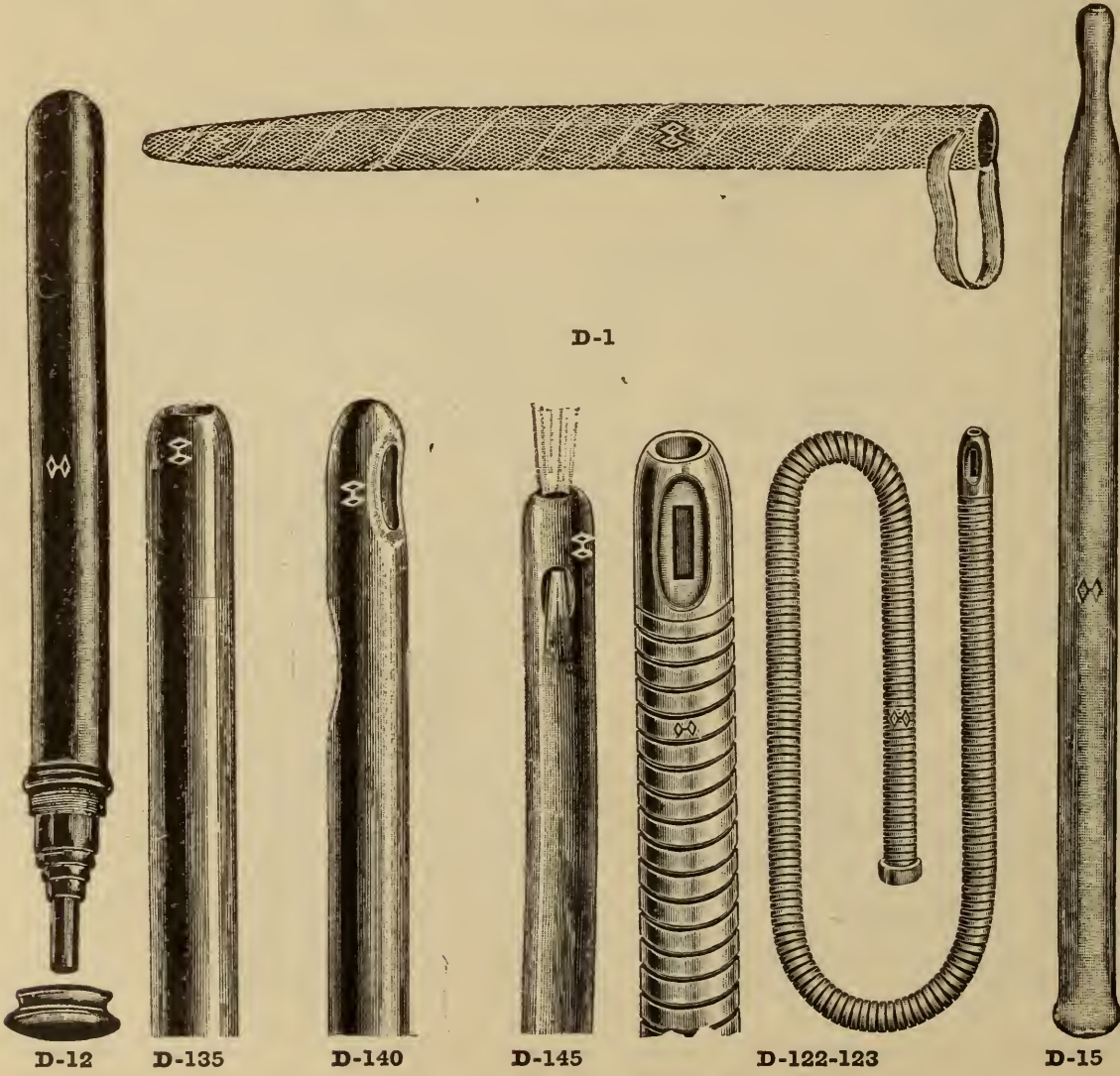
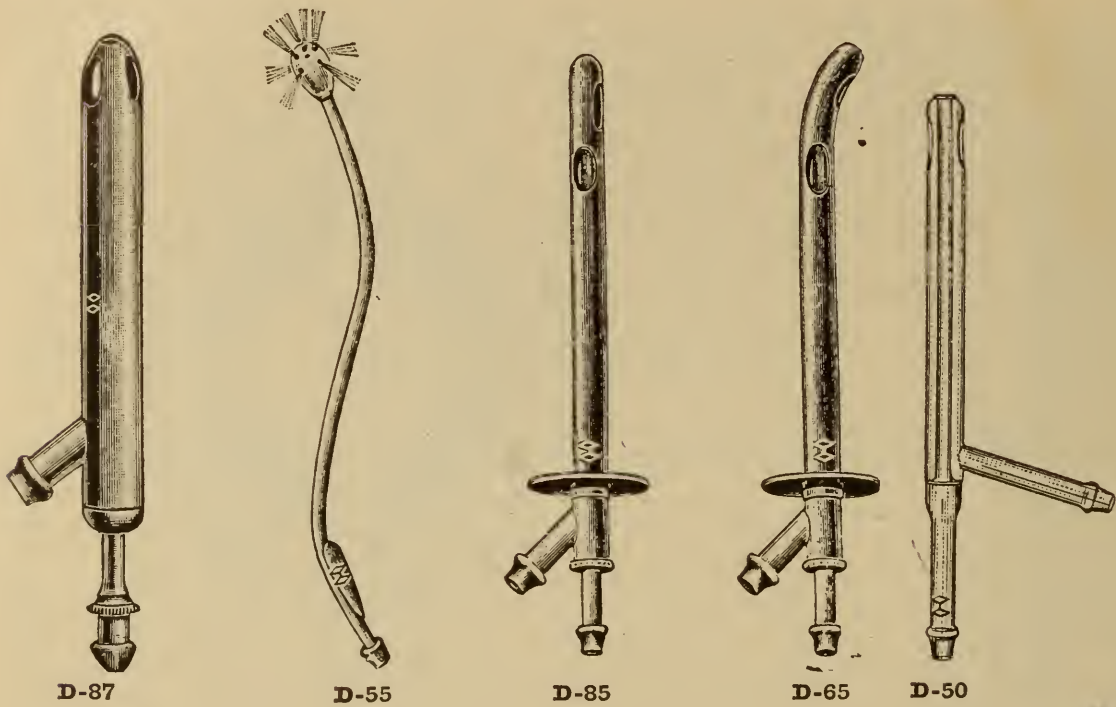
Vesical

Urethral

Ureteral

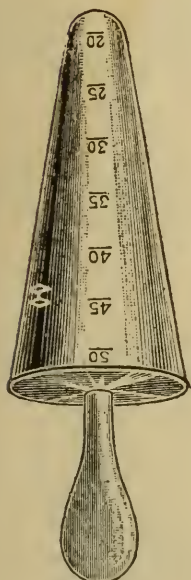
Instruments

RECTAL INSTRUMENTS





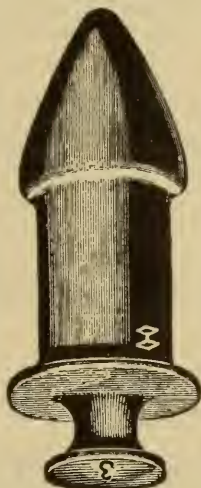
## RECTAL INSTRUMENTS



D-30



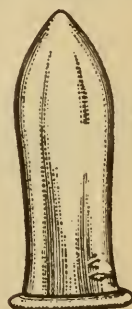
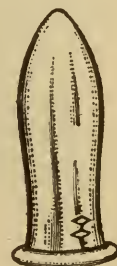
D-35



D-46



D-120

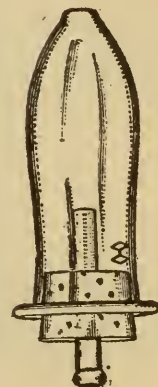


## BOUGIES, DILATORS, DOUCHES, PIPES, TUBES, ETC

- |        |   |                |
|--------|---|----------------|
| D -1   | Bougie, rectal, elastic web, conical .....  | \$1.20         |
| *D -5  | Bougie, rectal, elastic web, cylindrical .....  | 1.10           |
| *D-10  | Bougie, rectal, elastic web, olive point.....   | 1.25           |
| D-12   | Bougie, rectal, hard rubber, set of 6, nested.....  | 3.75           |
| *D -15 | Bougie, rectal, Wales', soft rubber, olive point.....   | \$1.50 to 3.00 |
| *D -20 | Dilator, Boekel's, metal, 5 sizes, each .....   | 1.65           |
| D -25  | Dilator, glass, 3 sizes, each .....   | .75            |
| D -30  | Dilator, Kelly's, conical, sphincter..  | 3.50           |
| *D -32 | Dilator, Manz's, 4 sizes, each.....   | 1.65           |
| D -35  | Dilator, Pratt's, plain, metal, 6 sizes, each .....   | 1.50           |
| D -42  | Dilator, Sim's .....  | 2.50           |
| D -46  | Dilator, Young's, hard rubber, 4 sizes, each \$1.25; set of 4 sizes..   | 4.00           |
| *D -48 | Dilator, Young's, Perfection, hard rubber, 4 sizes, each, \$1.25; set of 4 sizes.....                               | 4.00           |
| D -50  | Douche, Chetwood's, glass.....  | .90            |
| D -55  | Douche, Cole's, sigmoid.....  | 1.35           |
| D -65  | Douche, Guitera's, metal.....   | 2.00           |
| *D -70 | Douche, Haslam's, Perfection, glass .....   | 1.00           |
| *D -80 | Douche, Kemp's, glass.....  | 1.25           |
| D -85  | Douche, Kemp's, metal.....  | 2.00           |
| D -87  | Douche, Martin's, metal.....  | 1.50           |
| D -95  | Pile Pipe, Bolton's, hard rubber, \$0.75; aluminum.....   | 1.25           |
| *D-100 | Pile Pipe, curved, hard rubber.....   | 1.25           |
| *D-105 | Pile Pipe, hammer shaped, hard rubber .....   | 2.00           |
| *D-110 | Pile Pipe, olive, double, hard rubber .....   | 1.00           |
| D-120  | Pile Pipe, Seeley's, for ointment....   | .60            |
| D-122  | Rectal Tube, Haslam's, metal, spiral, can be sterilized by boiling; especially adapted for warm, dry climates ..... | 1.00           |
| D-123  | Rectal Tube, Haslam's, metal, spiral, small size.....   | 1.00           |
| D-135  | Rectal Tube, soft rubber, open end..  | 1.00           |
| D-140  | Rectal Tube, soft rubber, open side..   | 1.00           |
| D-145  | Rectal Tube, soft rubber, open end and side.....  | 1.00           |
| *D-150 | Rectal Tube, Turck's, double channel .....  | 3.50           |
| *D-155 | Rectal Syringe, Gant's, for ointment .....  | 3.50           |
| *D-160 | Rectal Syringe, hard rubber, 1 oz., \$0.75; 2 oz., \$1.00; 3 oz., \$1.25; 4 oz. ....                                | 1.50           |
| *D-165 | Rectal Syringe, McElroy's glass, 1 oz., \$0.50; 1½ oz., \$0.75; 2 oz., \$1.25; 3 oz., \$1.50; 4 oz.....             | 1.75           |



D-42

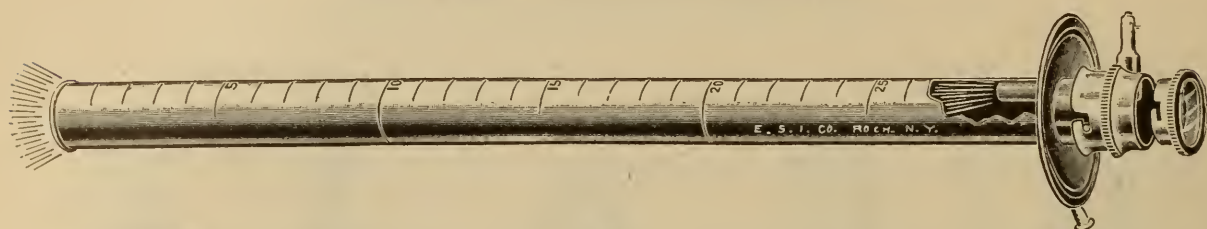


D-25

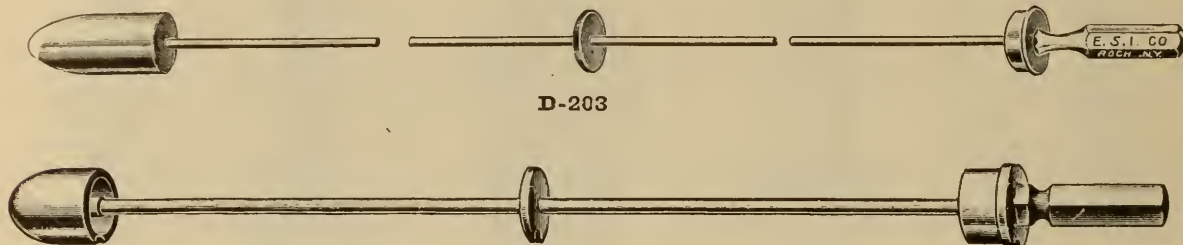


D-95

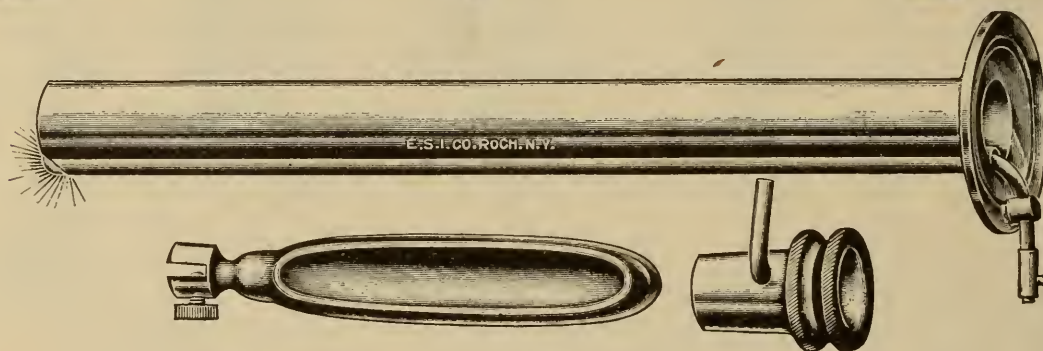
## RECTAL INSTRUMENTS



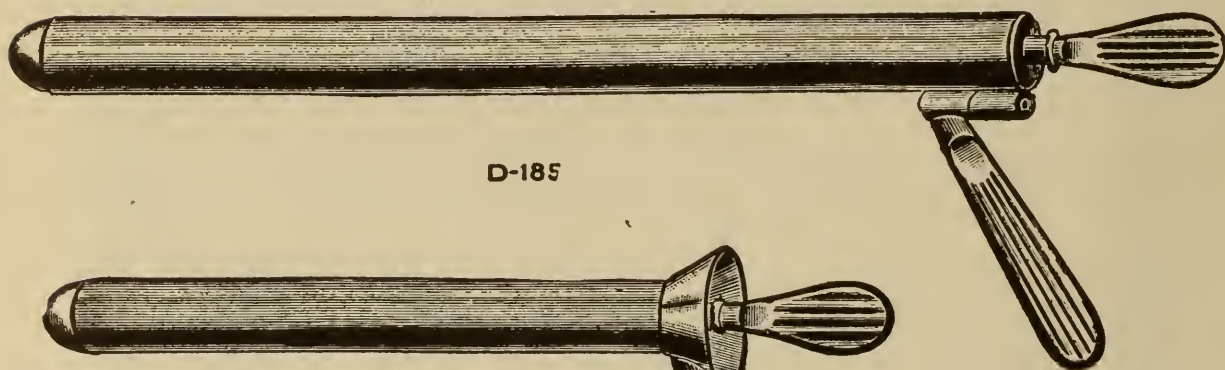
D-203



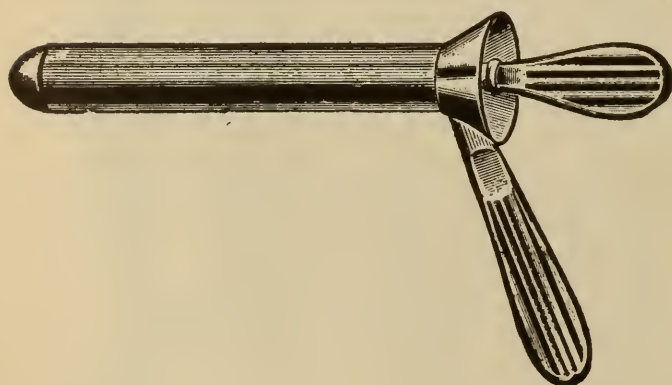
D-196



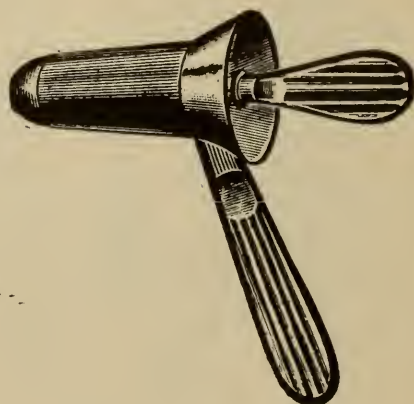
D-185



D-180



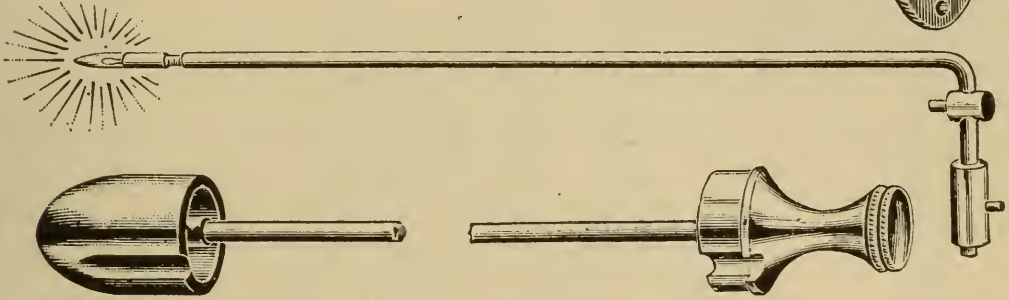
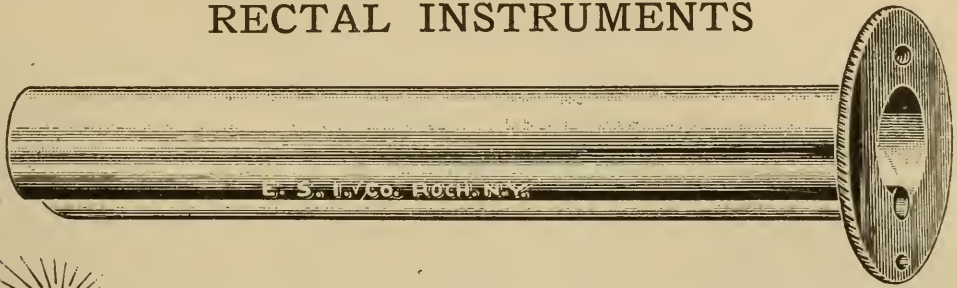
D-175



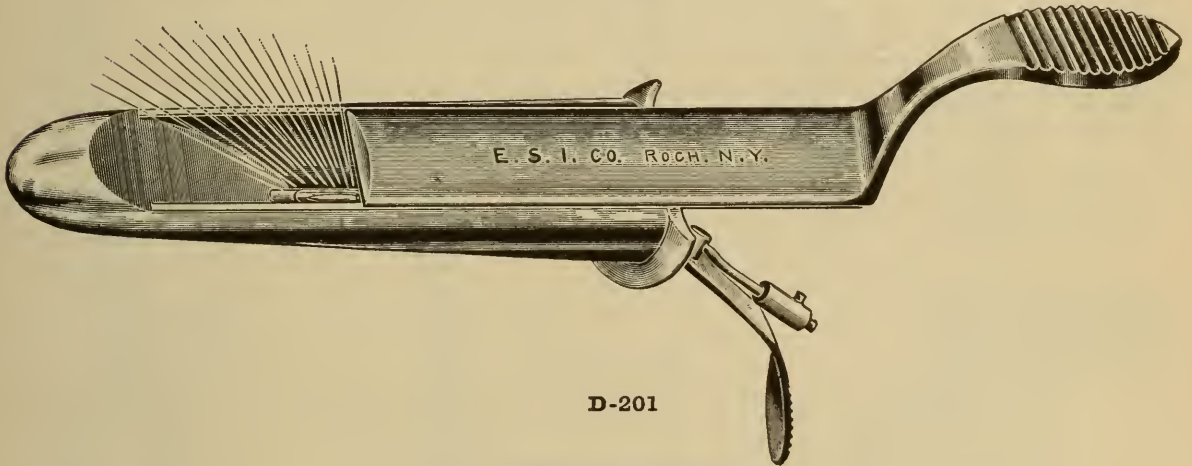
D-190



## RECTAL INSTRUMENTS



D-196



D-201

## PROCTOSCOPES

D-175	Kelly's, 14 cm. long, 22 mm. in diameter.....	\$3.00
D-180	Kelly's, 20 cm. long, 22 mm. in diameter.....	3.50
D-185	Kelly's, sigmoidoscope, 43 cm. long, 22 mm. in diameter.....	4.50
D-190	Kelly's, sphincteroscope, conical, 5 cm. long.....	3.00
D-194	Murphy's, set of 4, telescopic, with 1 handle and 4 obturators.....	10.50

These proctoscopes will be found especially useful in examining the colon, as they telescope one into the other, increasing their length up to that of the longest proctoscope, without reintroduction.

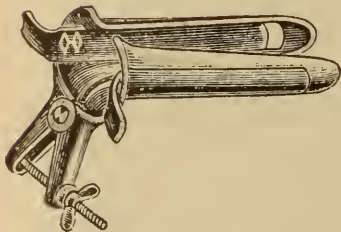
## ELECTRICALLY LIGHTED RECTAL INSTRUMENTS

Made by the E. S. I. Co. of Rochester, N. Y.

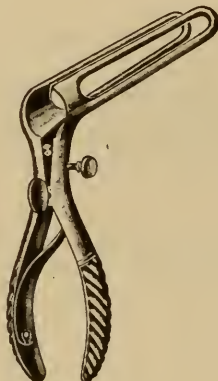
D-196	The E. S. I. Co. Proctoscope, complete with light carrier.....	\$ 7.50
	Made in Nos. 45, 50, 55, 60 and 65 French scale, and in three lengths, 8, 15 and 20 cm.	
*D-197	The Wm. M. Beach Proctoscope; made in three sizes, 1½ in. long by ⅞ in. diameter, complete with light carrier.....	7.00
	4 in. long by ⅞ in. diameter, complete with light carrier.....	10.00
	8 in. long by ⅞ in. diameter, complete with light carrier.....	12.00
*D-199	The Jas. P. Tuttle Operating Proctoscope, complete with light carrier, one extra lamp and interchangeable handles.....	14.00
	Made in one size, 29 mm. in diameter, 15 cm. long.	
D-203	The Jerome M. Lynch Procto-Sigmoidoscope, complete with obturator, light attachment, window, dilating bulbs and extra lamp. Made in 3 sizes.	
	5 cm. long by No. 65 French scale.....	12.00
	10 cm. long by No. 65 French scale.....	12.00
	30 cm. long by No. 65 French scale.....	16.00
D-198	The Jas. P. Tuttle Pneumatic Procto-Sigmoidoscope, complete with obturator, interchangeable window, light carrier with one extra lamp, dilating bulbs and detachable handle. Made in 2 sizes.	
	4 in. long by No. 57 French scale.....	15.00
	10 in. long by No. 57 French scale.....	18.00
D-201	Brinckerhoff's Rectal Speculum, 3 sizes, complete with light carrier, each	8.00
*D-202	Cook's Rectal Speculum, complete with light carrier.....	10.00
*D-204	Pratt's Rectal Speculum, complete with light carrier.....	6.50

The instruments illustrated above are made by the Electro Surgical Instrument Co. of Rochester, New York, which guarantees correct design and proper construction. Send for catalogue giving complete description and illustration.

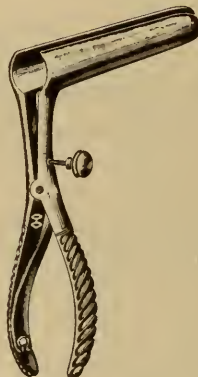
RECTAL INSTRUMENTS



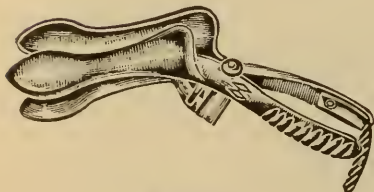
D-230



D-265



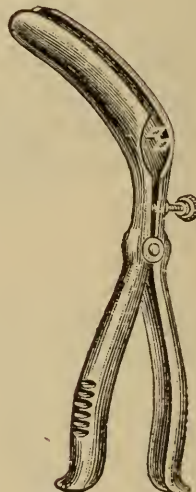
D-205



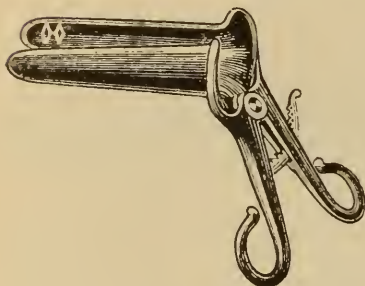
D-262



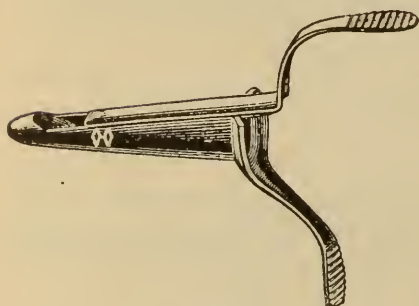
D-270



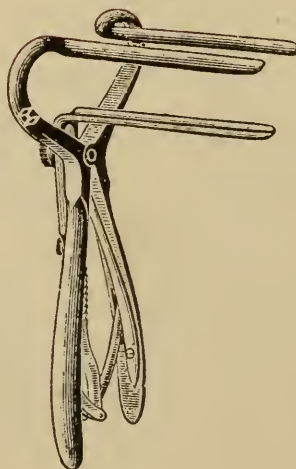
D-260



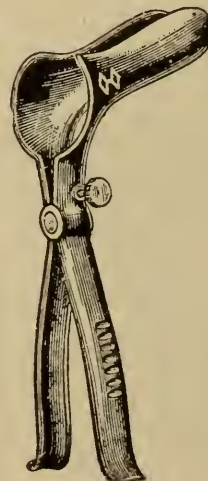
D-220



D-210



D-215



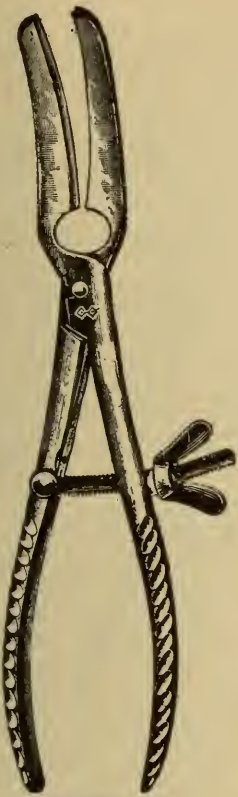
D-255



D-216



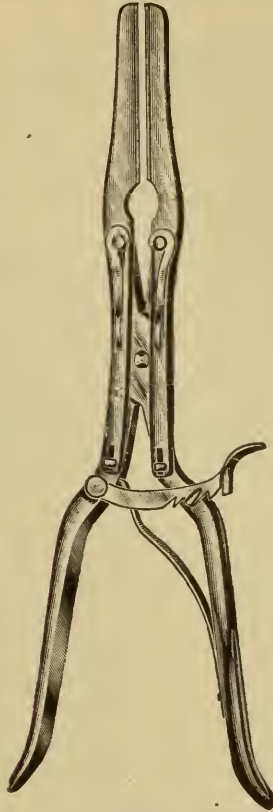
## RECTAL INSTRUMENTS



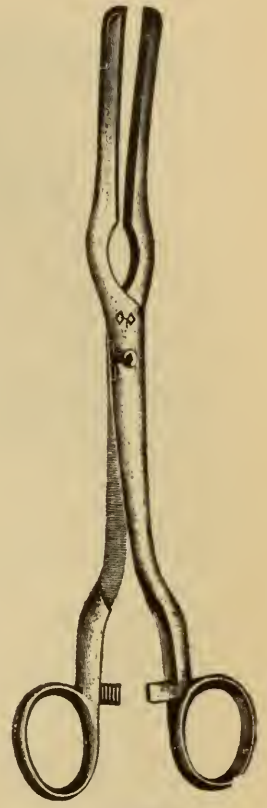
D-300



D-275



D-305



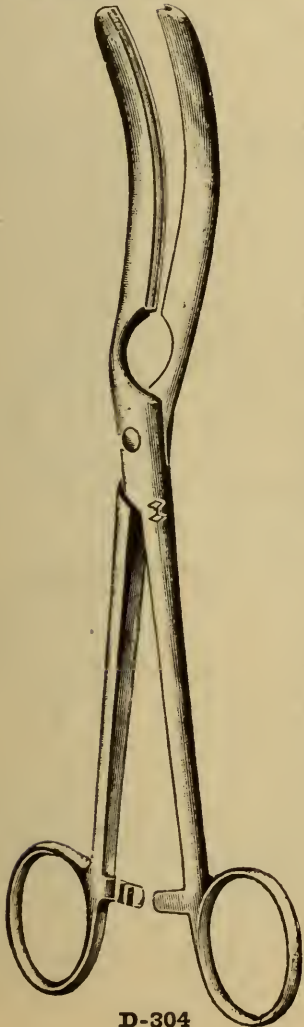
D-290

## SPECULUMS

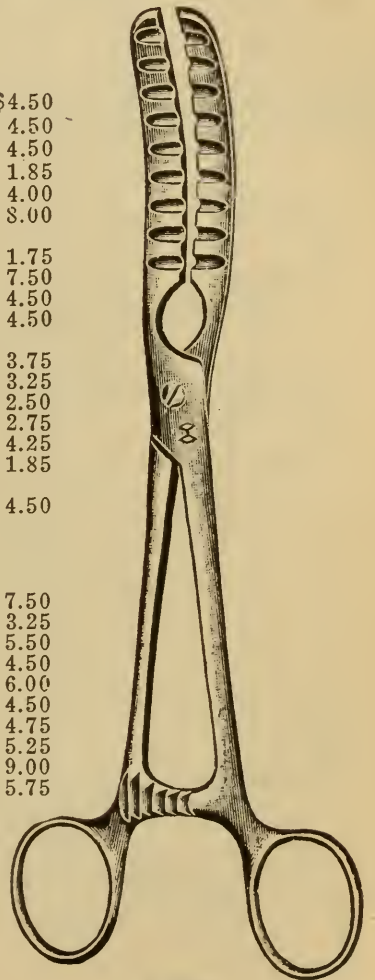
*D-206	Aloe's, small .....	\$4.50
*D-207	Aloe's, medium .....	4.50
*D-208	Aloe's, large .....	4.50
D-205	Bodenhamer's .....	1.85
D-210	Brinckerhoff's, 3 sizes, each	4.00
D-215	Cook's, forged steel.....	8.00
D-216	De Vilbiss', opening paral-	
	lel .....	1.75
*D-218	Gant's, operating' .....	7.50
D-220	Gant's, plain .....	4.50
D-225	Gant's, fenestrated .....	4.50
D-230	O'Neil's, fenestrated with	
	slides .....	3.75
D-250	Plain, bivalve.....	3.25
D-255	Pratt's, small and large, ea.	2.50
D-260	Pratt's, sigmoid.....	2.75
D-262	Pratt's, trivalve.....	4.25
D-265	Sim's, plain .....	1.85
D-270	Sim's, fine steel, fenestrated	
	blades .....	4.50

## CLAMPS

D-275	Cook's .....	7.50
*D-280	Earle's .....	3.25
*D-285	Gant's, steel.....	5.50
D-290	Jarvis' .....	4.50
*D-295	Jones', ivory faced.....	6.00
D-300	Kelsey's .....	4.50
D-302	McLain's .....	4.75
D-304	Matthew's .....	5.25
D-305	Murray's, parallel pressure	9.00
*D-315	Smith's, ivory faced.....	5.75



D-304

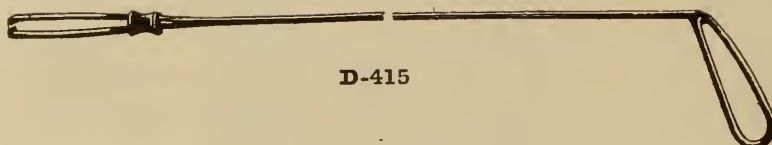


D-302

RECTAL INSTRUMENTS



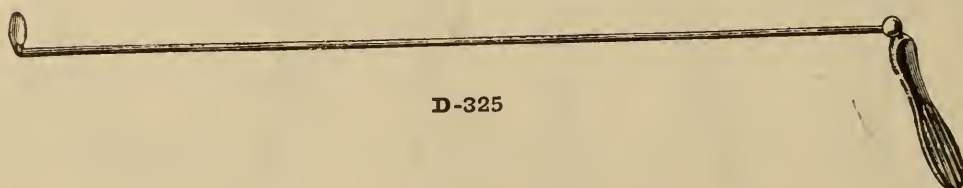
D-375



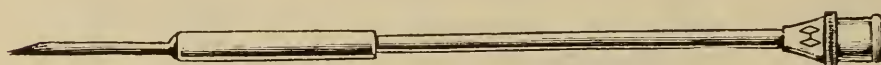
D-415



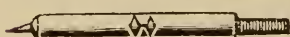
D-380



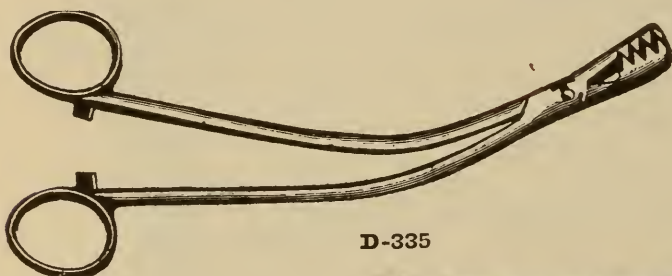
D-325



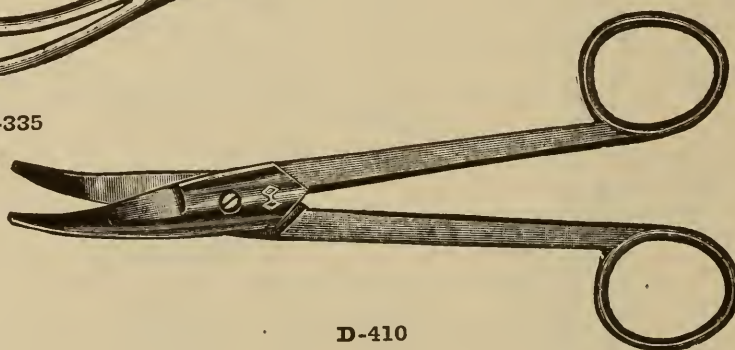
D-396



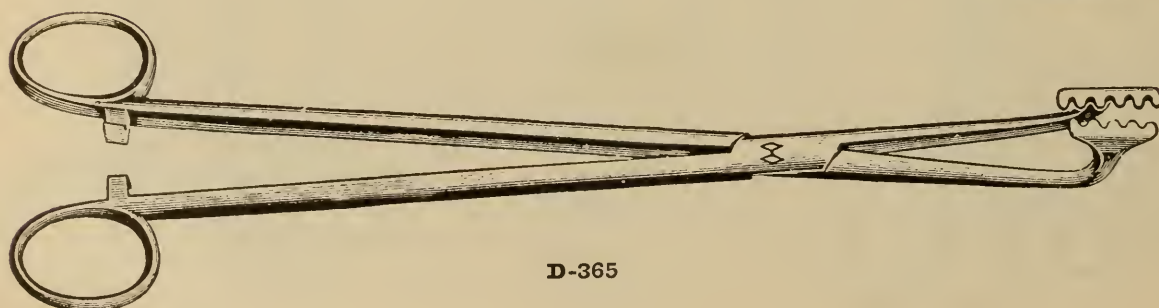
D-330



D-335



D-410



D-365



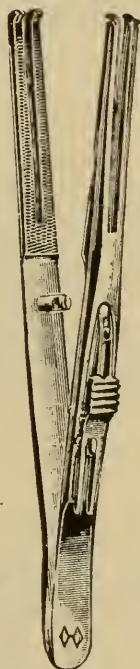
## PHIMOSIS INSTRUMENTS



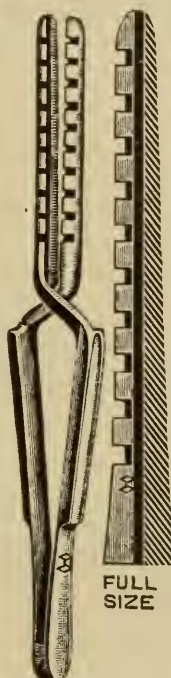
D-495



D-423



D-480



D-435



D-436



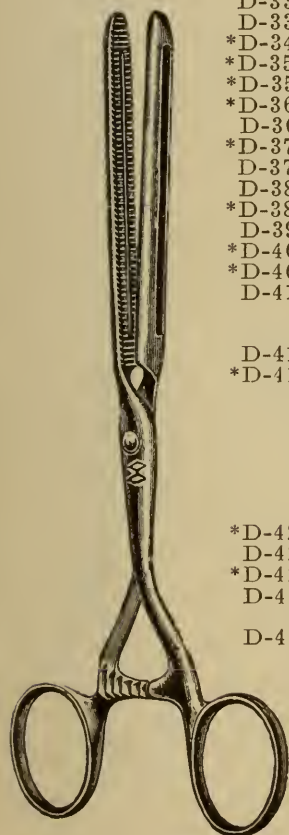
D-485

## SUNDRY RECTAL INSTRUMENTS

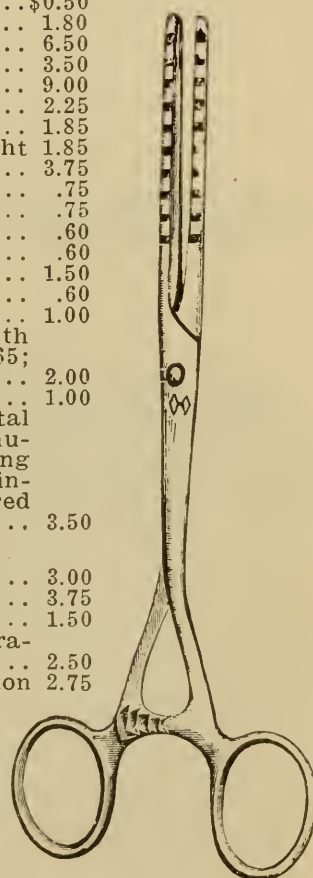
*D-320	Applicator, Kelly's.....	\$0.50
D-325	Curette, Kelly's.....	1.80
D-330	Fistulatome, Matthew's.....	6.50
D-335	Forceps, Gant's .....	3.50
*D-340	Forceps, Kelly's, with alligator jaw.....	9.00
*D-350	Forceps, Pratt's, packing .....	2.25
*D-355	Forceps, Pratt's, T shaped, straight....	1.85
*D-360	Forceps, Pratt-Smiths, T shaped, straight	1.85
D-365	Forceps, Tuttle's .....	3.75
*D-370	Hook, Edwards', sharp .....	.75
D-375	Hook, Edwards', blunt .....	.75
D-380	Hook, Pratt's, sharp .....	.60
*D-385	Hook, Pratt's, blunt .....	.60
D-396	Needle, injecting, with guard.....	1.50
*D-400	Probe, plated, with handle.....	.60
*D-405	Probe, silver, with handle.....	1.00
D-410	Scissors, Murray's, curved on flat, with Mayo dissecting blades, 5½ in., \$1.65; 6½ in. ....	2.00
D-415	Sponge Holder, Kelly's.....	1.00
*D-418	Syringe, Haemorrhoidal, with all metal syringe, 1 pure silver probe pointed canulae, 1 hypodermic needle, 1 long injecting needle with gold point, guarded, for injecting haemorrhoids, in leather covered case .....	3.50

## PHIMOSIS FORCEPS

*D-422	Baird's, 3 sizes.....	3.00
D-423	Briggs' .....	3.75
*D-424	Girdner's, prepuce dilator.....	1.50
D-435	Haslam's, straight, for bloodless operation .....	2.50
D-436	Haslam's, curved, for bloodless operation	2.75
D-480	Knox's .....	\$3.50
D-485	Levis', prepuce dilator.....	1.75
D-490	Ricord's .....	2.00
D-492	Ricord-Tortat's .....	2.50
D-495	Skillern's, straight .....	1.65
*D-500	Skillern's, curved .....	2.00

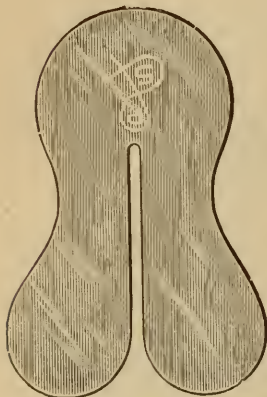


D-490

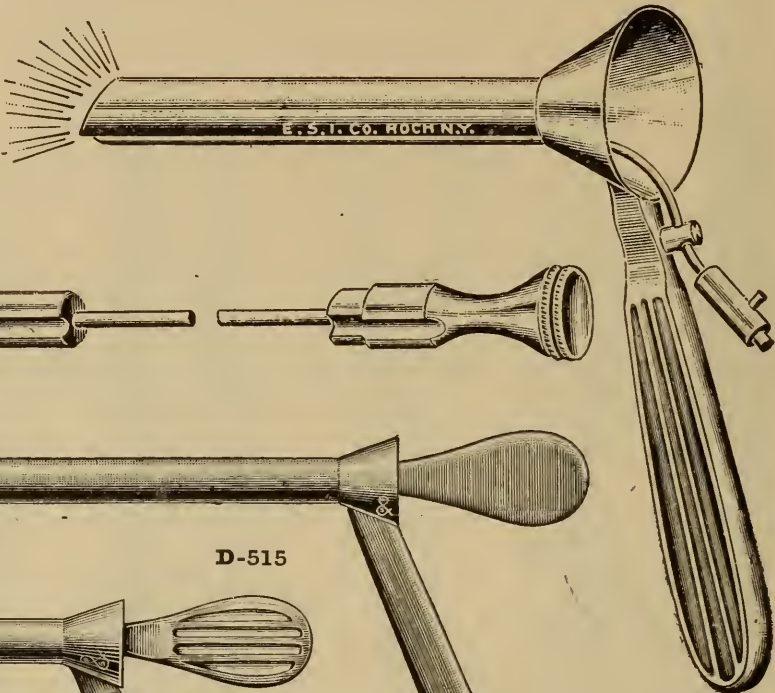


D-492

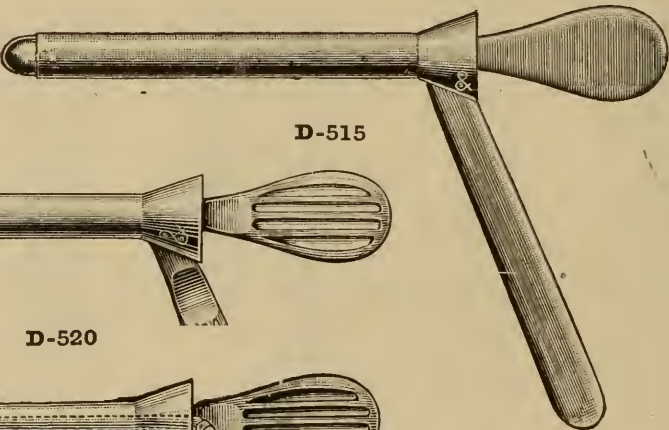
URETHRAL INSTRUMENTS



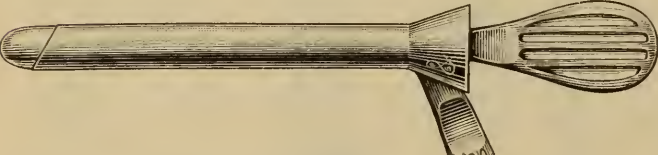
D-420



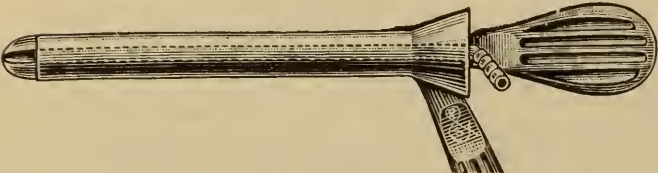
D-512



D-515



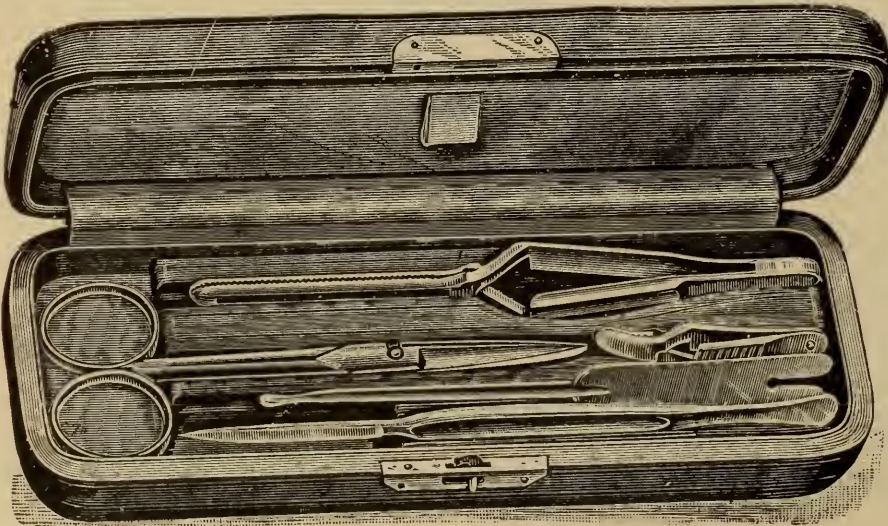
D-520



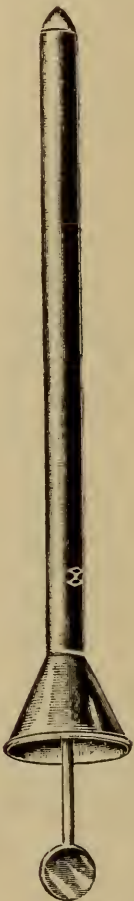
D-510



D-525-530



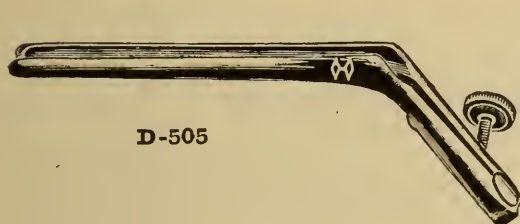
D 430



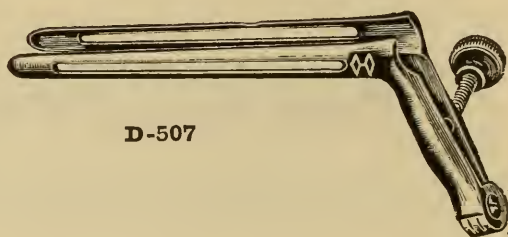
D-534



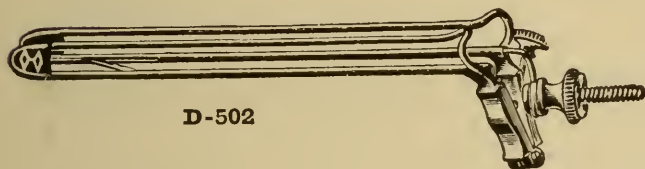
## URETHRAL INSTRUMENTS



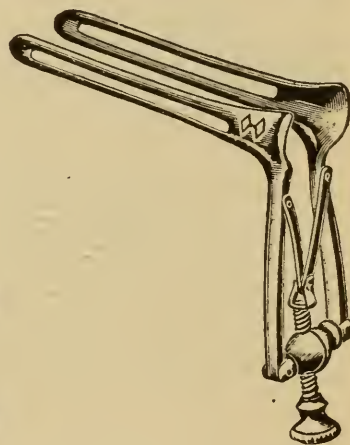
D-505



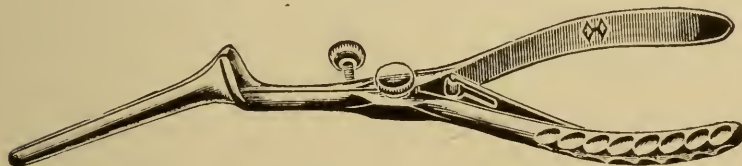
D-507



D-502



D-540



D-545

## PHIMOSIS

- D-420, Circumcision Shield, plated .....\$0.90  
 D-430 Clark's Phimosi Set, complete in case..... 7.50

## ENDOSCOPES

- D-512 Kelly's electrically lighted, 3 sizes, 28, 30 and 32 French scale, complete with obturator and light carrier.....each 7.00

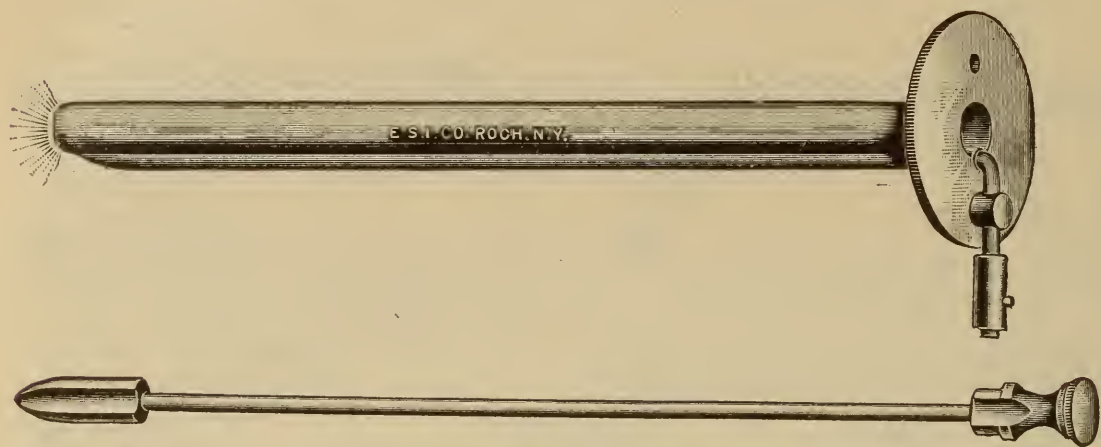
In this instrument the light carrier is fastened with a pin on the handle of the visual end of the tube. An auxiliary tube is attached to the cylinder of the cystoscope for the reception of the light carrier and lamp.

- D-510 Kelly-Gargean's, with drain ..... 3.00  
 D-515 Kelly's, 16 sizes, 5 to 20 mm. in diameter.....each 1.65  
 D-520 Kelly's, oblique end, 16 sizes, 5 to 20 mm. in diameter.....each 1.65  
 D-525 Klotz's, plated, sizes Nos. 20, 22, 24 and 26 French.....each 1.50  
 D-530 Klotz's, silver, sizes Nos. 20, 22, 24 and 26 French.....each 3.00  
 D-534 Otis', plated, sizes Nos. 20, 22, 24 and 26 French.....each 1.10

## SPECULUMS

- \*D-502 Brown's ..... 3.25  
 D-505 Caro's ..... 1.50  
 D-507 Farka's ..... 2.25  
 D-535 Pratt's ..... 3.50  
 D-540 Sampson's ..... 2.50  
 D-545 Skene's, bivalve ..... 2.50  
 \*D-548 Smith's, urethroscope ..... 2.00

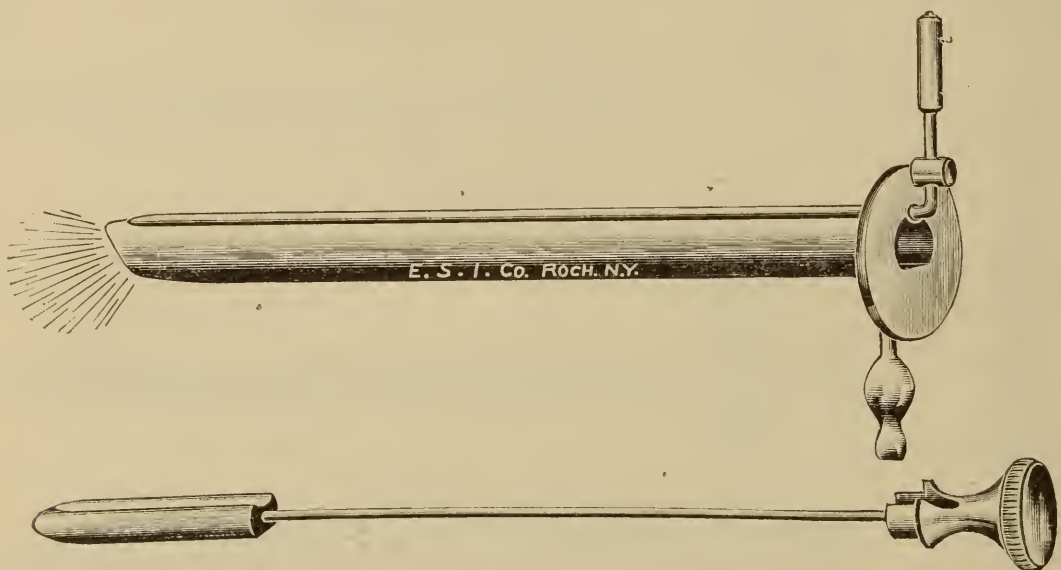
URETHRAL INSTRUMENTS



D-537. HENRY KOCH URETHROSCOPE

This instrument is made in all sizes, French scale, both odd and even numbers from 18 to 33, and in three lengths, 8, 12 and 15 cm., the 15 cm. tube being the one most commonly used. The tube has an auxiliary tube for the reception of the light carrier, offering an uninterrupted lumen for the view or the use of instruments and applicators.

Price, complete with obturator and light carrier, any size.....net \$6.50  
Price, light carrier only .....net 2.50



D-541. "GRANVILLE MAC-GOWAN" URETHROSCOPE

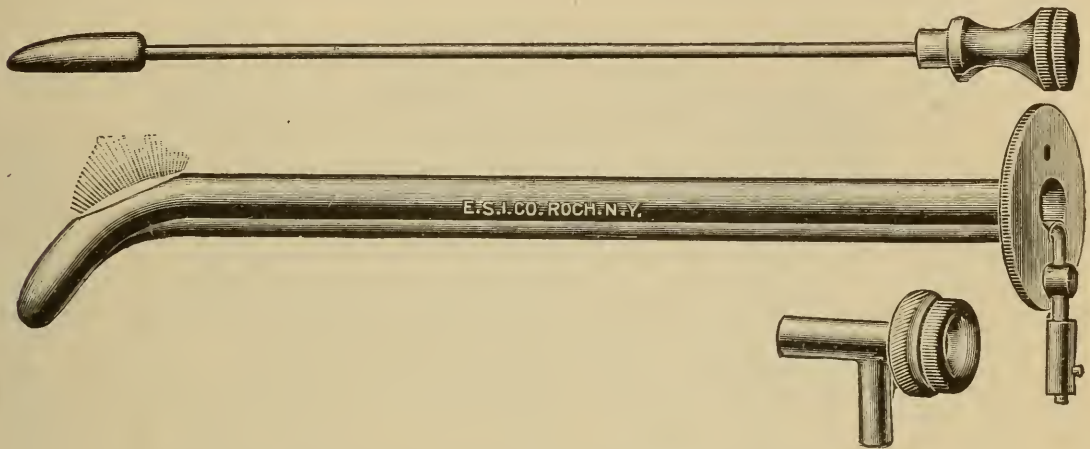
An improved urethroscope, making use of the Koch method of illumination and the Luy's aspirating tube. Gives an unobstructed, clear, dry field at the bladder neck and the urethra immediately in front of it. The aspirating tube is placed on the floor of the instrument and the floor is made flat so that an electric cautery or the carrier of a fulgurating wire can be directed to the exact spot that is to be treated. The aspirator is connected by a very firm, small rubber tubing to the pump or the water top or preferably to a suction apparatus. It is furnished in stock calibers of 22 and 24, French scale, and in lengths of 12 and 15 cm.

Price, any size, with solid obturator.....\$6.50  
Price, complete ..... 9.00  
Price, light carrier (either length)..... 2.50

Special catalogue of electrically lighted instruments mailed upon request. The instruments listed above are made by the Electro Surgical Instrument Company of Rochester, New York, which is a guarantee of the correct design and proper construction.

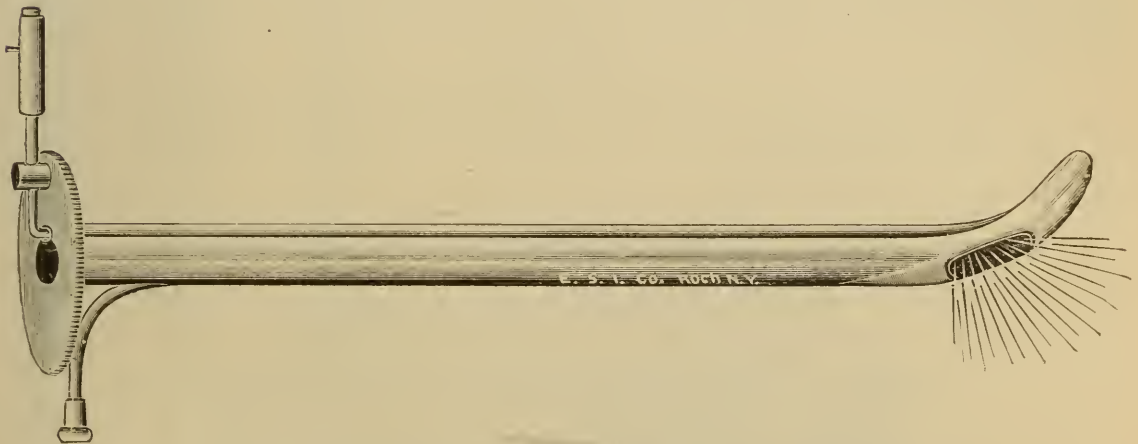


## URETHRAL INSTRUMENTS

**D-536. GEO. K. SWINBURNE'S POSTERIOR URETHROSCOPE**

The instrument consists of a catheter shaped tube, 16 centimeters long, with auxiliary tube on the upper side for the reception of the light carrier and lamp. It is made in three sizes, 22, 24 and 26 French scale, and is 16 cm. long.

Price, complete with obturator and light carrier.....net \$ 9.00  
 Price, complete with window and dilating bulbs.....net 13.25

**D-542. "EDGAR G. BALLENGER" URETHROSCOPE**

This instrument is furnished with our modern tungsten lamp and in addition to the drainage canal it is provided with our small auxiliary light tube for light carrier and lamp. Through a fenestra at the distal end the light is thrown directly upon the surface to be examined or treated, thereby giving a clearly lighted field and permitting the application of medicaments and use of instruments without hinder, or danger of breakage of the lamp and without annoying reflections.

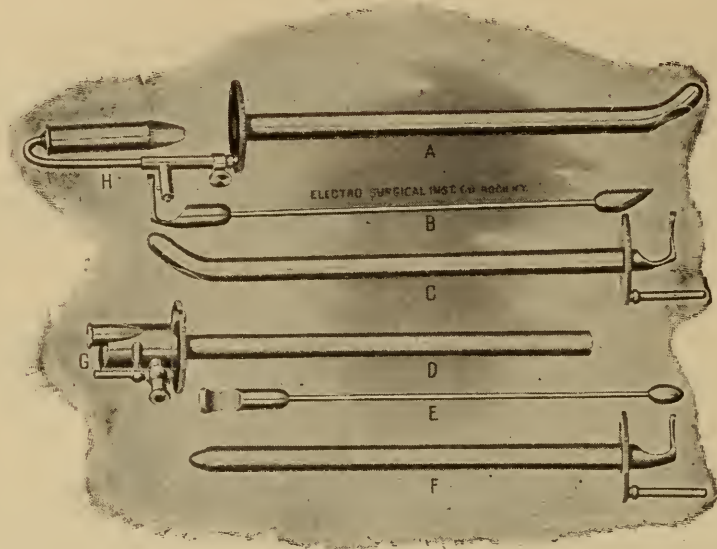
Dr. Ballenger later recommends a rubber bulb, connected with the evacuation bulb, as a temporary reservoir for the urine and which we furnish with the instrument.

The tube is 16 cm. in length to the distal opening with beak about 2 cm. in length, and is made in size 26 French.

Price, complete with light carrier and lamp and evacuating bulbs with hose attachment, \$13.25.

Special catalogue of electrically lighted instruments mailed upon request. The instruments listed above are made by the Electro Surgical Instrument Company of Rochester, New York, which is a guarantee of the correct design and proper construction.

URETHRAL INSTRUMENTS



D-551-554

DR. HUGH H. YOUNG'S URETHROSCOPES

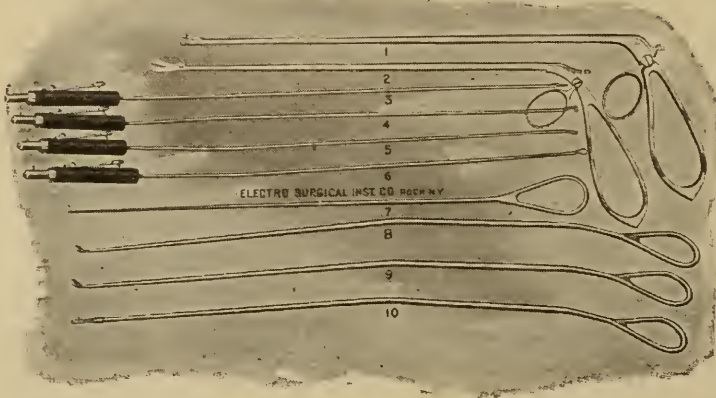
Devised by Dr. Hugh H. Young of Johns Hopkins Hospital, he holding that an external source of light is desirable in order to secure a larger field for observation and intra-urethral operations, so that bleeding will not make any difference with the illumination and that better asepsis will be secured.

Fig. A shows beaked tube with light carrier in position. Fig. B the obturator. Fig. C the beaked tube with obturator in position. Fig. D shows the straight tube with dilating window for air distension attached. Fig. E the obturator and Fig. F the straight tube with obturator in position. Tubes are made in plated metal and silver.

PRICES

D-551	Young's Urethroscope, straight, sizes 26 and 28 French, each, plated, net	
	\$3.50; silver, net	\$ 9.00
D-552	Young's Urethroscope, beaked, sizes 26 and 28 French, each, plated, net	
	\$6.50; silver, net	12.50
D-553	Young's Light Attachment	net 5.50
D-554	Young's Dilating Window	net 4.50

DR. HUGH H. YOUNG'S URETHROSCOPIC INSTRUMENTS



D-556-557-558-559-561-562

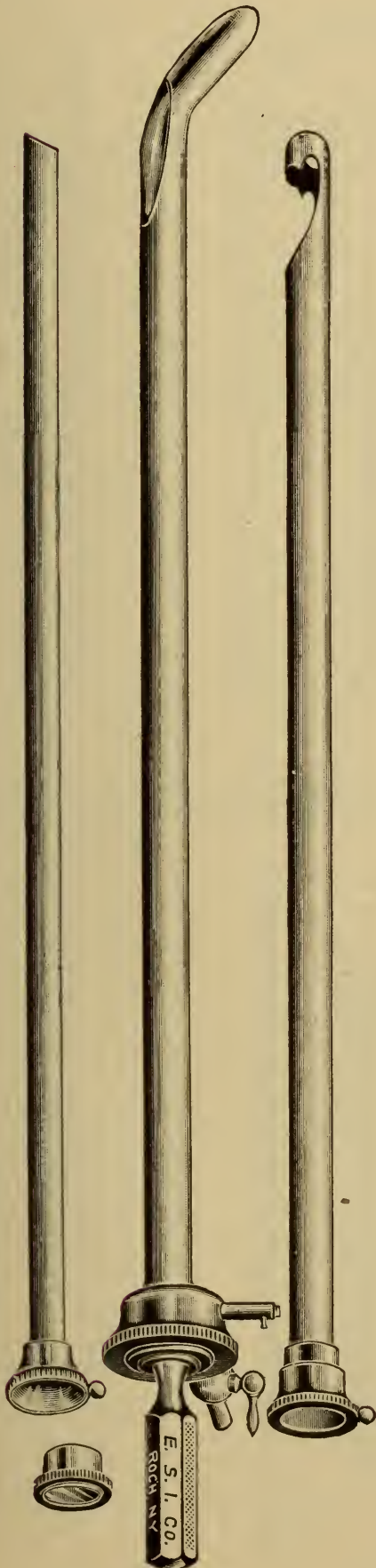
This set of intra-urethral instruments is, we believe, the first comprehensive assortment for all kinds of intra-urethral operations. They are made with remarkable delicacy and are yet strong enough to be used forcefully.

D-556	Young's Intra-Urethral Rongeur, Fig. 1	net \$12.00
D-557	Young's Intra-Urethral Scissors, Fig. 2	net 16.00
D-558	Young's Intra-Urethral Cautery Electrodes, Figs. 3, 4, 5 and 6	each net 4.50
D-559	Young's Intra-Urethral Probe, Fig. 7	net 1.50
D-561	Young's Intra-Urethral Curettes, Figs. 8 and 9	each net 4.00
D-562	Young's Intra-Urethral Porte Caustique, platinum jaws, Fig. 10	each net 9.00

Our space is too limited to give a complete description of these instruments. We will be glad to send Catalogue giving full description on request.



## URETHRAL INSTRUMENTS

**D-564. "DR. W. F. BRAASCH" URETHROSCOPE AND MEDIAN BAR EXCISOR COMBINED**

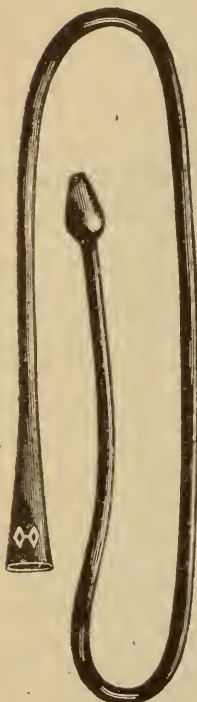
This instrument is a modification of the Young Urethroscopic median bar excisor, permitting its use as a posterior urethroscope. It has recently been improved in accordance with suggestions by Dr. Braasch, the instrument being made longer and the calibre smaller. The lamp is placed in the beak illuminating the field from the distal end, the beak being tipped at a slightly sharper angle than usual so that the light does not shine back into the tube. The fenestra near the distal end is perfectly smooth and cuts away part of the convexity of the beak, so that this main sheath makes an excellent urethroscope with a distal opening similar to that of the Swinburne. A tube and stopcock leading into the main tube at the proximal end is provided so that the urethra may be dilated, if desired, with either air or water.

For use as a median bar excisor an additional tube to be slipped inside the main sheath is used. In this, near its distal end, is a serrated fenestra corresponding to the fenestra in the main sheath. The portion of the median bar protruding into the lumen through these fenestra is excised by pushing home the cutting tube which fits snugly within the inner tube.

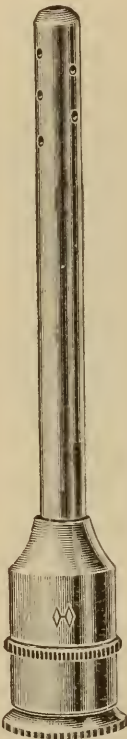
The calibre of the sheath is 26 F., and the length 17 cm. A water and air-tight window is furnished for use when dilation is desired.

Price, complete, with extra lamp.....	\$28.00
Price, complete, in case covered with genuine leather, seal grained.....	32.00
Price, extra cutting tubes.....	4.00
Price, dilating bulbs .....	extra 1.50

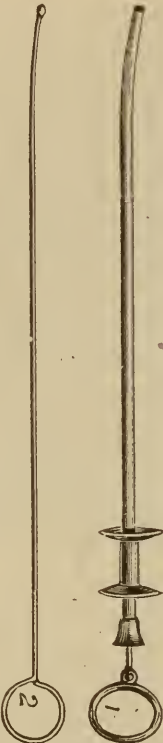
URETHRAL INSTRUMENTS



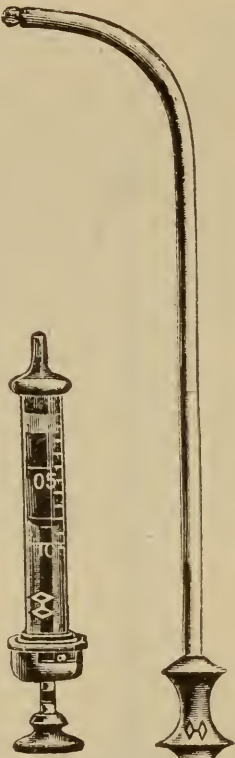
D-586



D-570



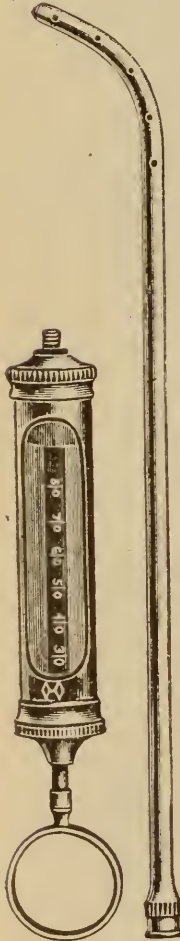
D-575



D-594



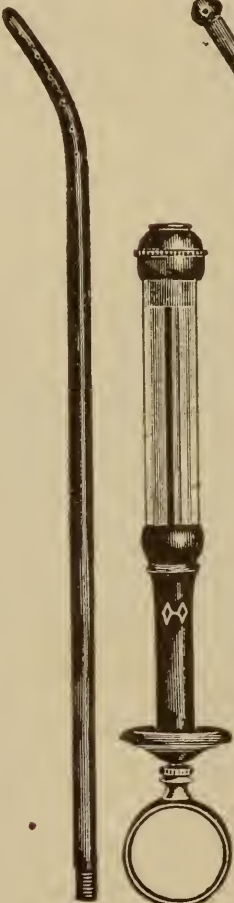
D-590-592



D-580



D-585



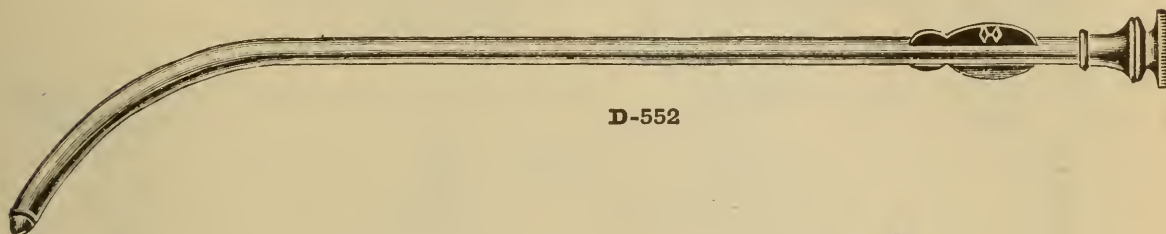
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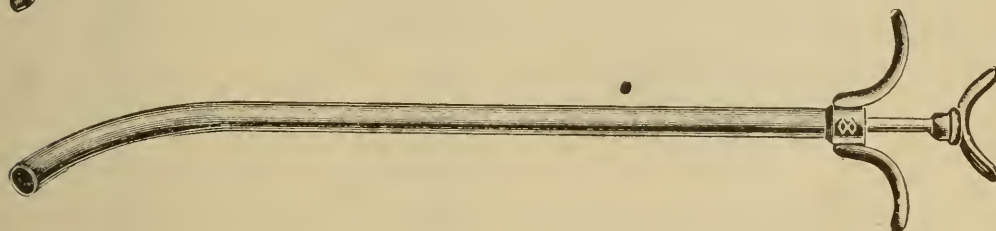
D-583



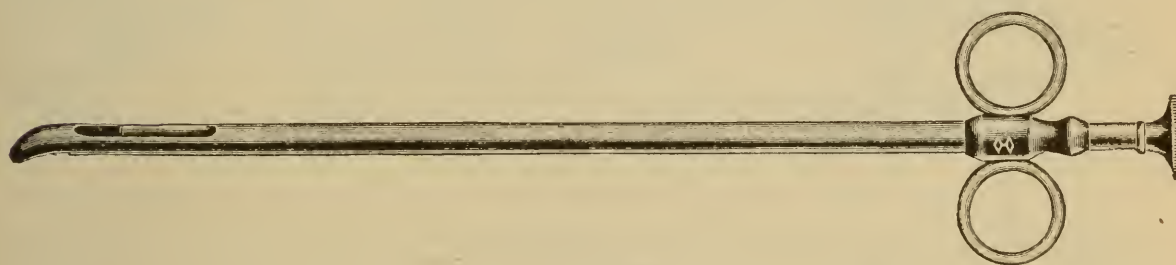
## URETHRAL INSTRUMENTS



D-552



D-551



D-577

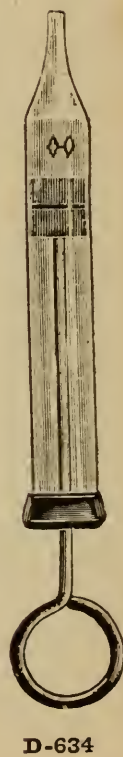
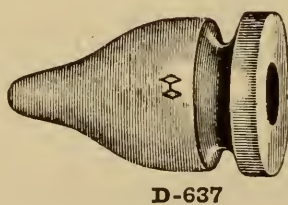
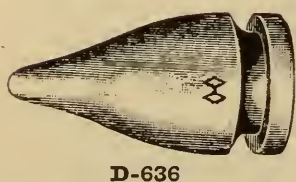
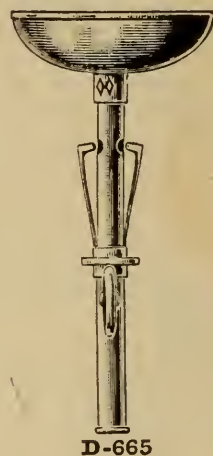
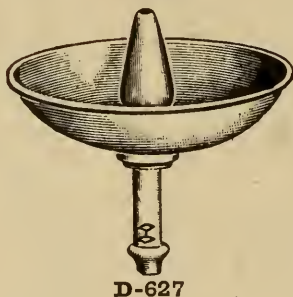
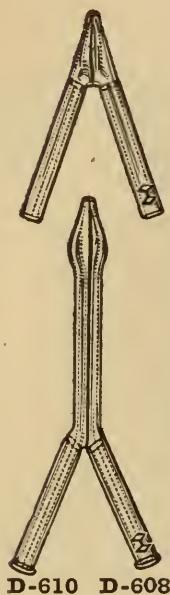
## APPLICATORS

D-551	Ayer's, tablet depositor .....	\$3.25
D-552	Lewis', tablet depositor .....	3.50
*D-565	Mitchell's, for medicated bougies.....	2.00
D-570	Robbins', ointment, with 1 straight tube.....	2.25
*D-572	Robbins', ointment, with short curve and prostatic tube.....	2.75
D-575	Rucker's, gauze packer .....	1.25
D-577	Young's, ointment .....	2.75

## URETHRAL SYRINGES

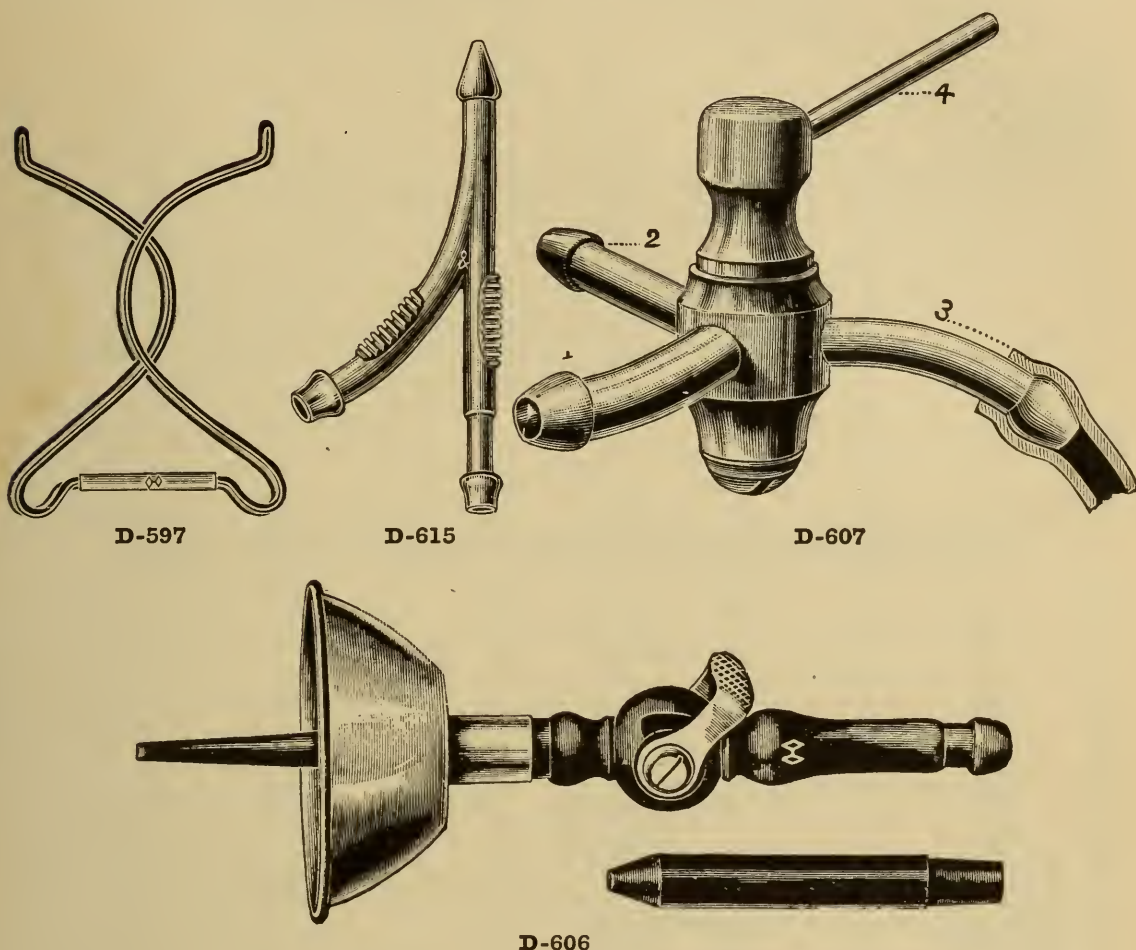
D-580	Bumstead's, with metal mountings, in box .....	\$1.75
*D-582	Bumstead's, with metal mountings, in leather case.....	2.50
D-585	Guyon's, with 1 drop tube, in case.....	4.25
D-583	Guyon's, Record pattern, with 1 drop tube, in metal case.....	9.50
D-586	Guyon's, drop tube only .....	.90
D-590	Keyes-Ulzman's, plated tube .....	3.00
D-592	Keyes-Ulzman's, silver tube .....	3.75
D-593	Taylor-Bumstead's, glass barrel, hard rubber mounts, with 2 hard rubber canulæ, in case.....	3.00
*D-587	Theven's catheter, Gaillard's .....	1.00
D-594	Ulzman's, Record pattern, with metal, glass lined canulæ.....	5.00

## URETHRAL INSTRUMENTS





## URETHRAL INSTRUMENTS



## CLAMPS

*D-596	Smith's penis, for holding solutions in urethra.....	\$1.25
D-597	Zepser's, penis, for holding solutions in urethra.....	.60

## IRRIGATOR NOZZLES

D-600	Berger's, metal .....	1.25
D-602	Booger's, glass, with shield, 2¼, 2½ and 2¾ inch.....	each .75
D-603	Chetwood's, glass, 3 sizes .....	each .25
*D-605	Collins', double stopcock .....	1.25
D-606	Guitera's, hard rubber, with metal shield, 2 tips.....	3.00
D-607	Haslam's, "Perfection" .....	1.25
D-608	Janet's, glass (lower illustration).....	.50
D-610	Kiefer's, glass (upper illustration) .....	.35
*D-612	Kiefer's, hard rubber .....	.45
*D-614	Kiefer's, metal .....	.75
D-615	Pancoast's, improved .....	.65
*D-618	Pattee's, Y .....	.50
*D-625	Valentine's, glass nozzles, 4 sizes, each.....	.10
D-627	Wigmore's, with shield .....	1.25
*D-632	Young's, urethral nozzles .....	.10

## IRRIGATING CUT-OFFS

*D-660	Chetwood's, alternating .....	2.75
D-665	Valentine's, with shield .....	1.75

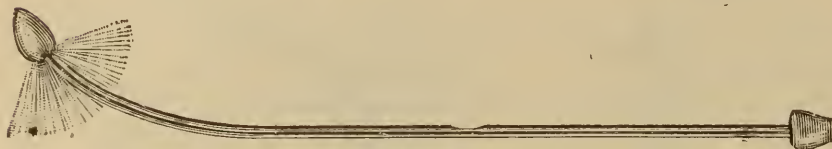
## INJECTION SYRINGES

D-621	Urethral Injection Syringe, ¼ ounce, glass barrel, hard rubber mounted..	.60
D-622	Urethral Injection Syringe, ¼ ounce, glass barrel, hard rubber mounted..	.60
D-623	Urethral Injection Syringe, ¼ ounce, glass barrel, hard rubber mounted..	.60
D-624	Urethral Injection Syringe, ½ ounce, glass barrel, hard rubber mounted and soft rubber tip .....	.90
D-626	Urethral Injection Syringe, 1 ounce, glass barrel, hard rubber mounted and soft rubber tip .....	1.25
D-633	Urethral Injection Syringe, ¼ ounce, all hard rubber.....	.60
D-634	Urethral Injection Syringe, ¼ ounce, glass.....	.25
D-636	Urethral Tips, soft rubber .....	.30
D-637	Urethral Tip, soft rubber.....	.30
D-638	Urethral Tip, metal, for Record syringes.....	.25

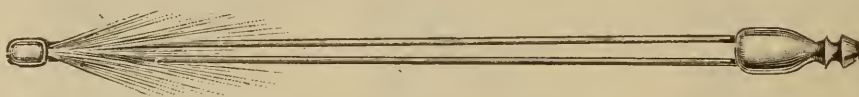
## URETHRAL INSTRUMENTS



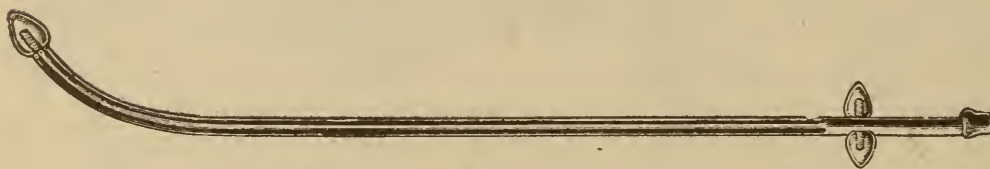
D-645



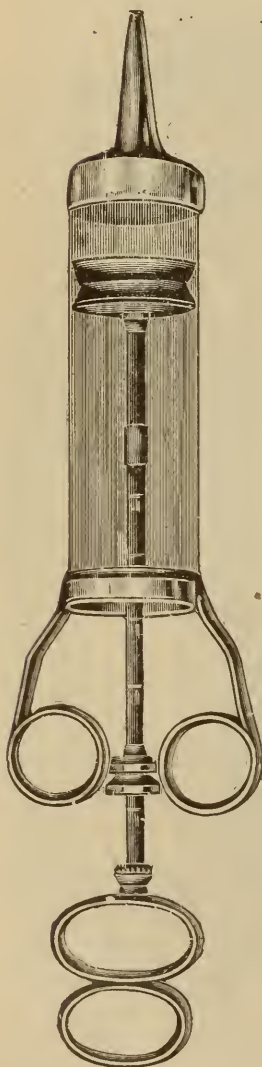
D-650



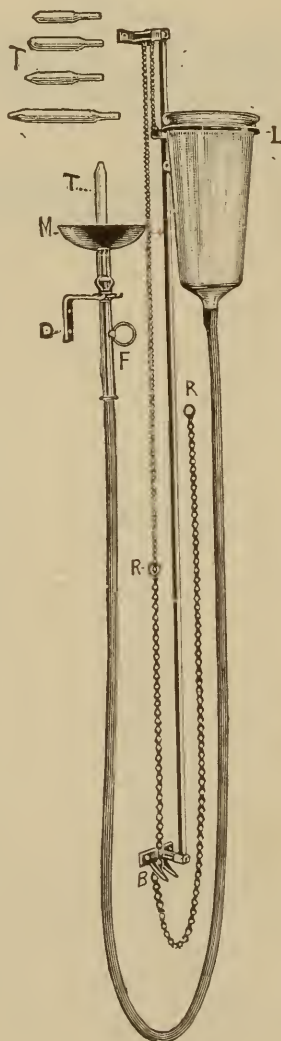
D-661



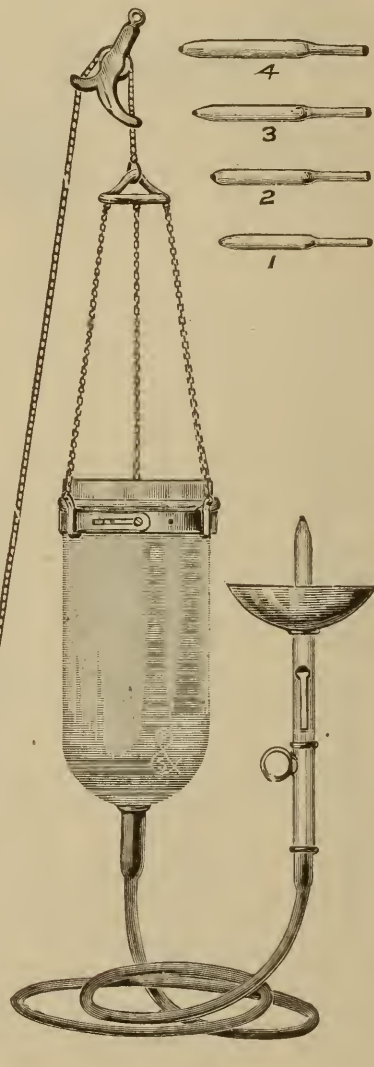
D-662



D-655



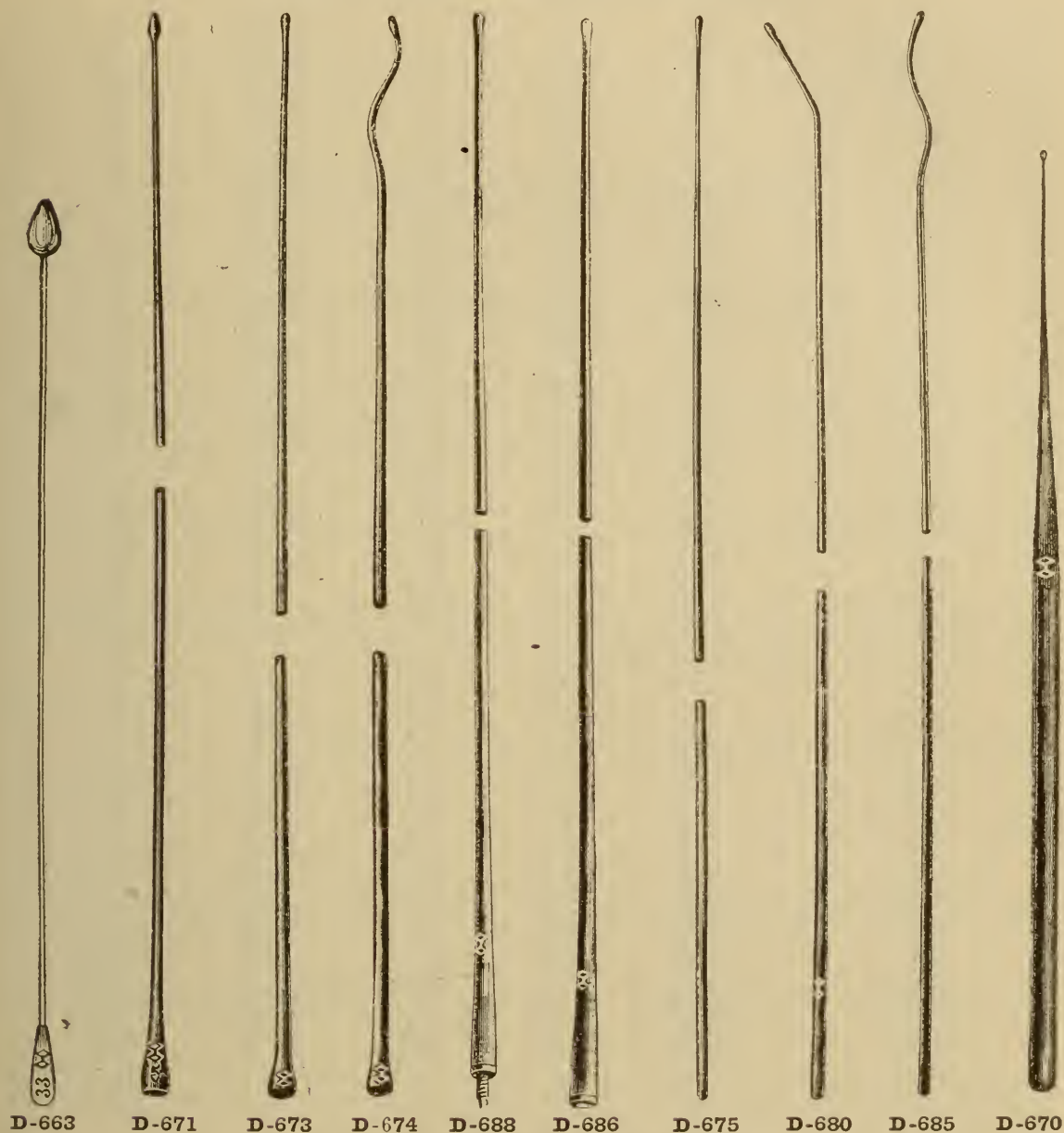
D-635



D-640



## URETHRAL INSTRUMENTS



## IRRIGATING SYRINGES

D-655 Valentine's, aseptic, 60 cc., \$7.50; 100 cc., \$9.00; 150 cc.....\$10.00

## IRRIGATORS

\*D-630 Valentine's, with plain bracket.....\$ 5.50  
 D-635 Valentine's, with sliding metal bracket ..... 6.75  
 \*D-640 Valentine's, with automatic stop pulley..... 7.50

## RETROJECTORS

D-645 Anglin's, straight .....\$ 1.00  
 \*D-646 Anglin's, curved ..... 1.10  
 D-650 Durham's ..... 1.00  
 D-661 Johnson's ..... 1.10  
 D-662 Pratt's, with 3 sizes of olives..... 1.35

## BOUGIES—EXPLORING

D-663 Otis', metal, sizes 8 to 40 French.....each \$0.25  
 D-670 Bank's, filiform, whalebone ..... 1.50  
 D-671 Gaillard's, with exploring bulb, silk web, sizes 3 to 12, French..... 1.00  
 D-672 Gaillard's, with exploring bulb, silk web, spiral, sizes 3 to 12 French.. 1.00  
 D-673 Gaillard's, filiform, silk web, olive point..... .90  
 D-674 Gaillard's, filiform, silk web, spiral, olive point..... .90  
 D-675 Gouley's, filiform, whalebone, straight, olive point..... .25  
 \*D-676 Gouley's, filiform, whalebone, straight, double end, olive point..... .30  
 D-680 Gouley's, filiform, whalebone, angular, olive point..... .30  
 D-685 Gouley's, filiform, whalebone, spiral, olive point..... .30  
 D-686 Le Fort's, filiform, silk web, olive point, female thread..... 2.00  
 D-688 Le Fort's, filiform, silk web, olive point, male thread..... 2.00

## URETHRAL INSTRUMENTS

### GAILLARD'S FRENCH CATHETERS AND BOUGIES

Are made by Léon Gaillard of Paris, France, with works at Alfortville (Seine), France. They represent the **very best catheters and bougies that can be produced** and are intended for the most discriminating specialists in genito-urinary work.

**GAILLARD'S** Catheters and Bougies are made on scientific principles and in accordance with the suggestions with which eminent specialists have favored us for years.

**GAILLARD'S** Catheters and Bougies are covered with special gum, which renders them elastic and flexible. They present a **uniform surface** and a **glazed finish**. They can neither cause injuries nor break during their introduction.

**GAILLARD'S** Catheters are made with **woven eyes**; they have a **large internal diameter**, a **smooth internal surface**, and a **solid and aseptic end**.

**GAILLARD'S** Bougies have at the bottom a **conical rim** which is **hermetically closed** with elastic gum.

**GAILLARD'S** Gummed Silk Web Catheters have the advantage of possessing a **very large internal and even diameter** which permits of **perfect drainage** of the vesical cavity; their strength and great flexibility facilitate greatly their introduction.

**GAILLARD'S** Gum Catheters and Bougies are guaranteed to withstand the effects of sterilization by repeated boiling or by any other disinfecting process.

**GAILLARD'S** Gum Catheters and Bougies are guaranteed to remain non-adhesive, to retain their form, and to keep in perfect condition in any country, even under very unfavorable climatic conditions. They are guaranteed to last a long time.

By appointment contractor to the hospitals and medical faculty of Paris; to army, navy, and government offices; the Necker Hospital (Department for the treatment of urinary diseases under Prof. J. Albarran); sole contractor to General Hospital of Mexico; and other hospitals and the medical faculties of France and elsewhere.

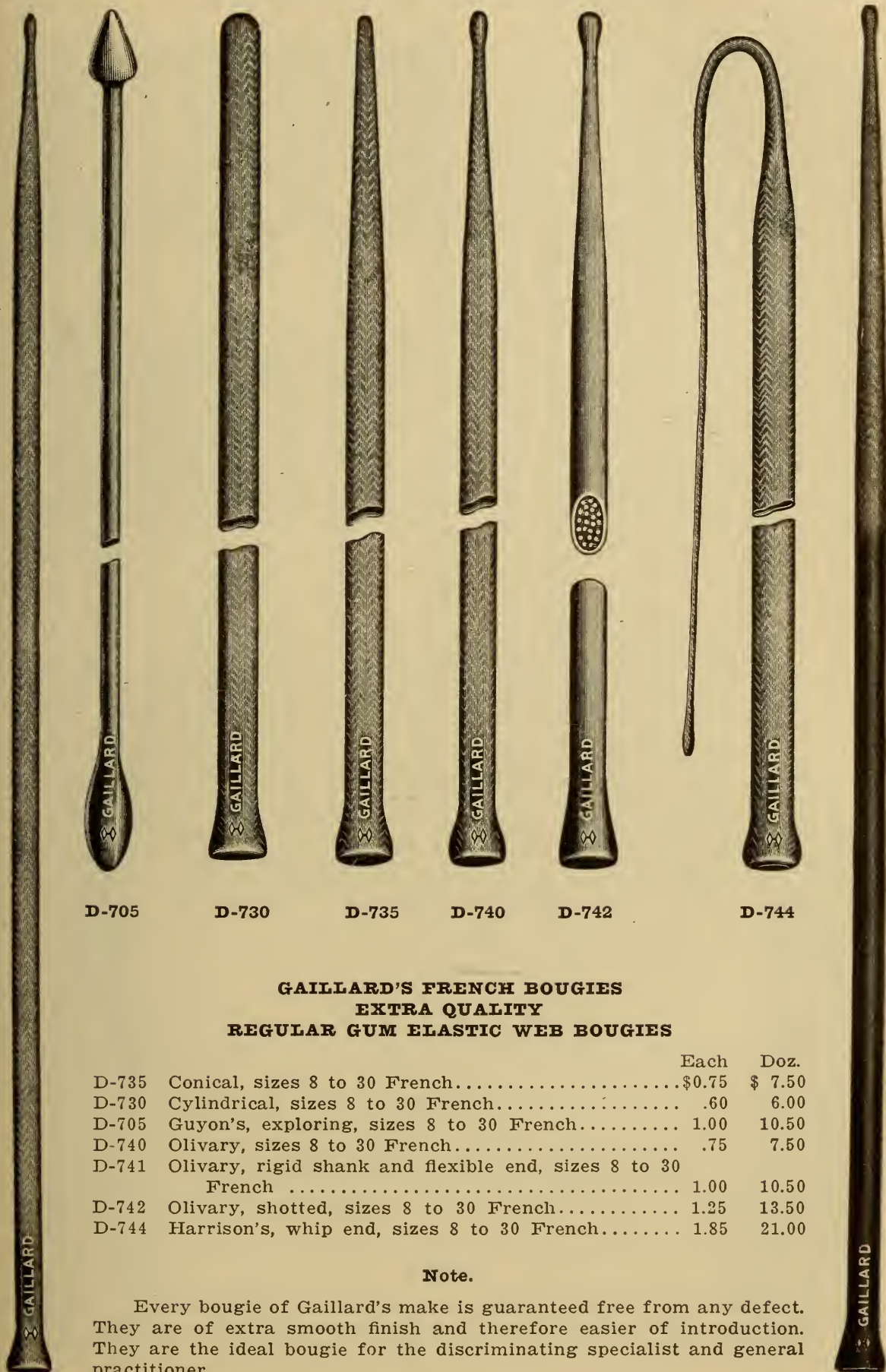
**GAILLARD'S BOUGIES** listed and illustrated on page 425.

**GAILLARD'S CATHETERS** listed and illustrated on page 436.

**GAILLARD'S URETHRAL CATHETERS** listed and illustrated on page 448.



## URETHRAL INSTRUMENTS



D-705

D-730

D-735

D-740

D-742

D-744

**GAILLARD'S FRENCH BOUGIES**  
**EXTRA QUALITY**  
**REGULAR GUM ELASTIC WEB BOUGIES**

		Each	Doz.
D-735	Conical, sizes 8 to 30 French.....	\$0.75	\$ 7.50
D-730	Cylindrical, sizes 8 to 30 French.....	.60	6.00
D-705	Guyon's, exploring, sizes 8 to 30 French.....	1.00	10.50
D-740	Olivary, sizes 8 to 30 French.....	.75	7.50
D-741	Olivary, rigid shank and flexible end, sizes 8 to 30 French .....	1.00	10.50
D-742	Olivary, shotted, sizes 8 to 30 French.....	1.25	13.50
D-744	Harrison's, whip end, sizes 8 to 30 French.....	1.85	21.00

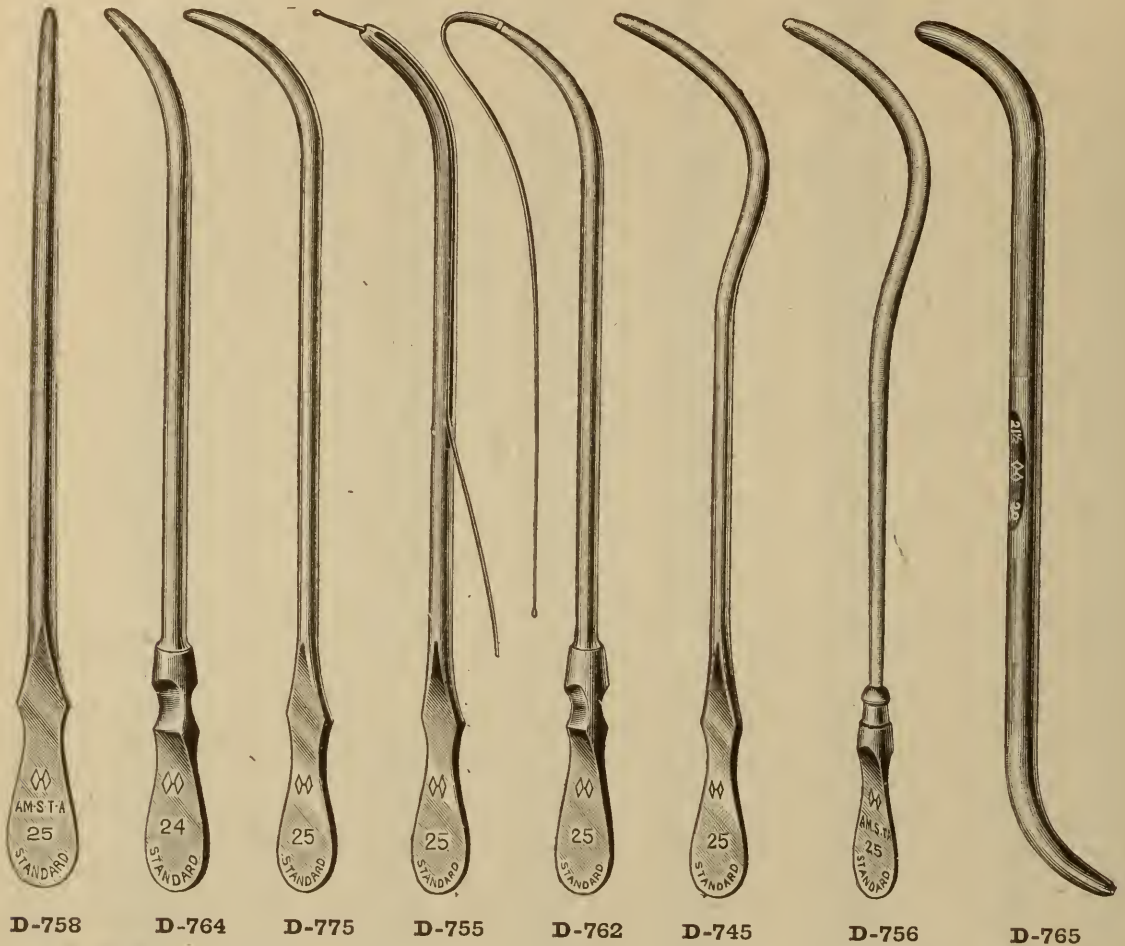
**Note.**

Every bougie of Gaillard's make is guaranteed free from any defect. They are of extra smooth finish and therefore easier of introduction. They are the ideal bougie for the discriminating specialist and general practitioner.

D-740

D-741

## URETHRAL INSTRUMENTS



## DILATING METAL SOUNDS

		One Piece	Two Piece
D-745	Benique's, double curve, 14 to 30 French .....	\$1.00	\$1.10
*D-748	Fowler's, double end.....	.60	....
D-755	Gouley's, tunnelled, for filiform bougie .....	1.25	1.40
D-756	Ideal, tapering toward the handle, Guyon curve, 8 to 40 French .....	1.00	1.10
*D-757	Ideal, tapering toward the handle, Van Buren curve, 8 to 40 French .....	1.00	1.10
D-758	Jewett's, straight, 8 to 40 French .....	.50	.60
*D-762	LeFort's, exploring, with filiform guide, extra fine.....	....	2.75
D-764	Otis', curved, 8 to 40 French .....	.50	.60
D-765	Pratt's, double curved, 16 sizes, male .....	.75	....
*D-766	Pratt's, double curved, 16 sizes, female .....	.75	....
D-775	Van Buren's, curved, 8 to 40 French .....	.50	.60
*D-780	Van Buren's, curved, cupped .....	.75	.85

## Note

We make our sounds in two patterns, Fig. A, styled the two-piece, and Fig B, styled the one-piece. All sounds are made up in the French scale as adopted by the American Surgical Trade Association as Standard.



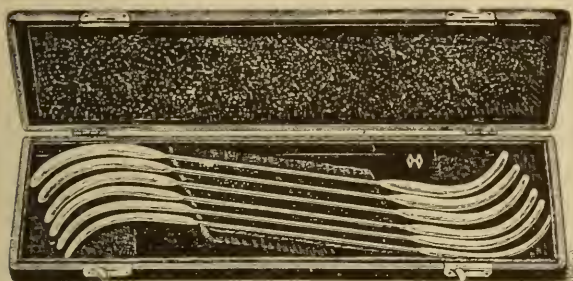
Fig. A



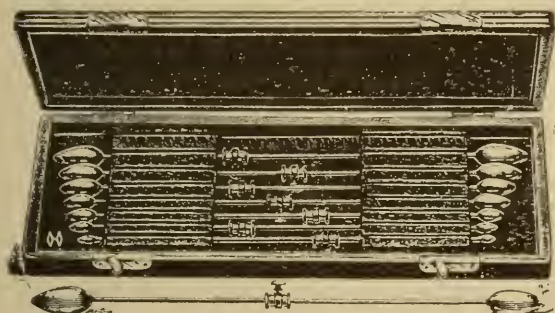
Fig. B



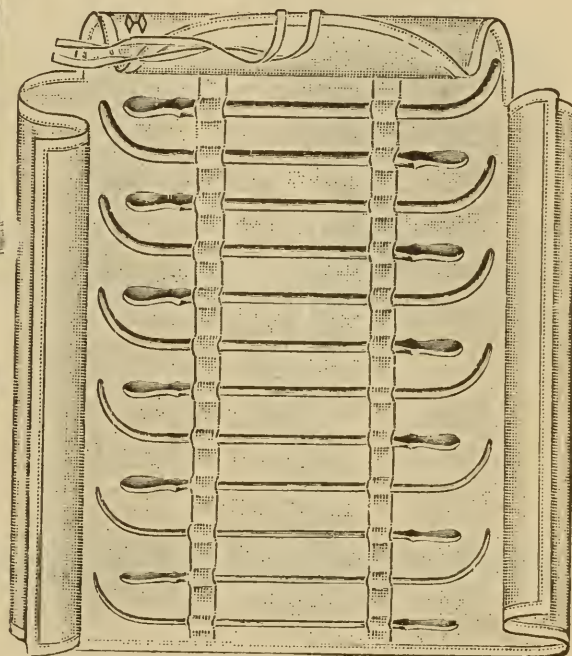
## URETHRAL INSTRUMENTS



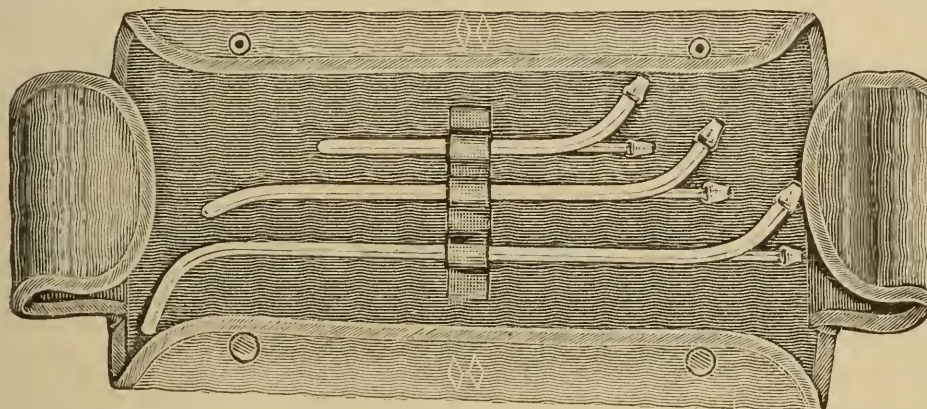
D. 810



D-805



D-792



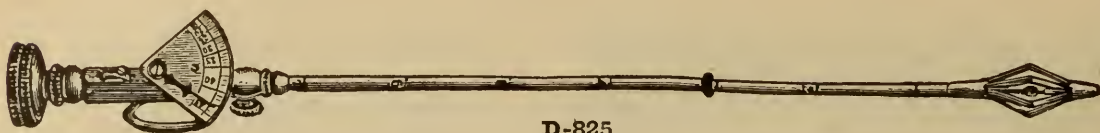
D-997

## SOUNDS IN SETS

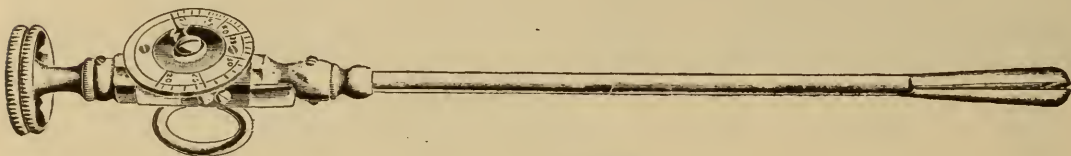
*D-785	Van Buren's, set of 6 sounds, in leather covered or oak case.....	\$ 5.50
*D-786	Van Buren's, set of 6 sounds, in heavy canvas roll .....	4.50
*D-788	Van Buren's, set of 8 sounds, one piece, in leather covered or oak case .....	6.50
*D-793	Van Buren's, set of 8 sounds, one piece, in heavy canvas roll.....	5.25
*D-790	Van Buren's, set of 12 sounds, in leather covered or oak case.....	8.50
D-792	Van Buren's, set of 12 sounds, in heavy canvas roll .....	7.00
*D-795	Van Buren's, set of 32 sounds, in leather covered or oak case.....	27.50
*D-796	Van Buren's, set of 32 sounds, in heavy canvas roll .....	21.50
*D-800	Otis', set of 32 sounds, exploring, in heavy canvas roll.....	6.00
D-805	Fowler-Otis', set of 8 sounds (16 sizes), in leather covered case.....	4.25
D-810	Fowler's, set of 6 sounds (12 sizes), in leather covered case.....	4.25
*D-812	LeFort's, set of 3 dilating sounds, Nos. 12, 17 and 22, French scale, with 2 filiform guides, in case.....	7.25
*D-815	Weiss', set of 6 sounds (12 sizes), in leather covered case.....	3.50
*D-818	Kelly's, set of 8 sounds (16 sizes, 5 to 20 mm. diameter), female, in heavy canvas roll .....	8.50
D-997	Brown's Set of Heating Sounds, in khaki roll.....	4.00

Used in the new heating treatment of gonorrhea. Set comprises an Anterior, Posterior and Prostatic Sound. Water at a temperature of 120 degrees is allowed to flow through the sound for 30 minutes. The operator then proceeds with his medicinal irrigation. The most stubborn cases of gonorrhea yield readily to this treatment.

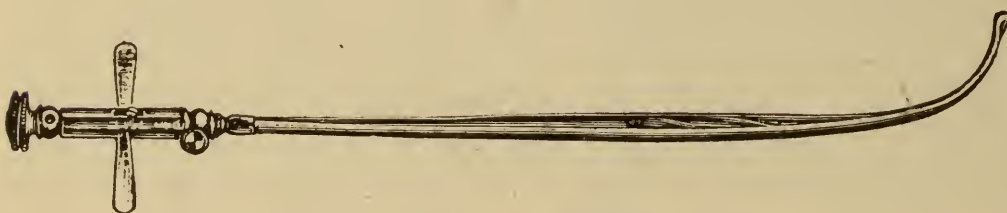
## URETHRAL INSTRUMENTS



D-825



D-820



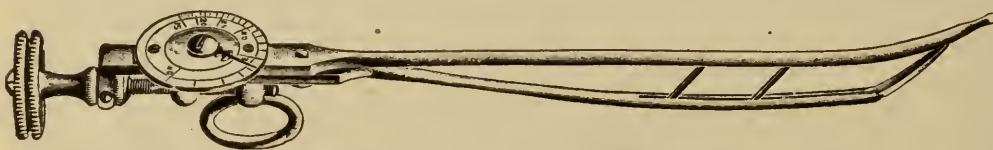
D-830



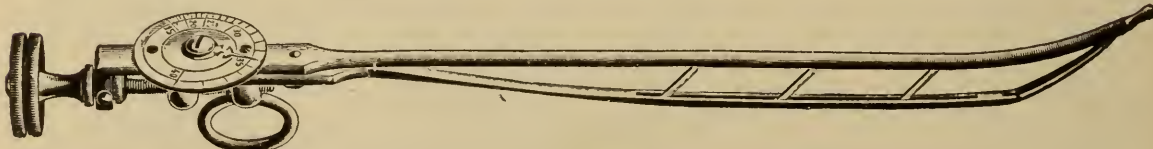
D-895



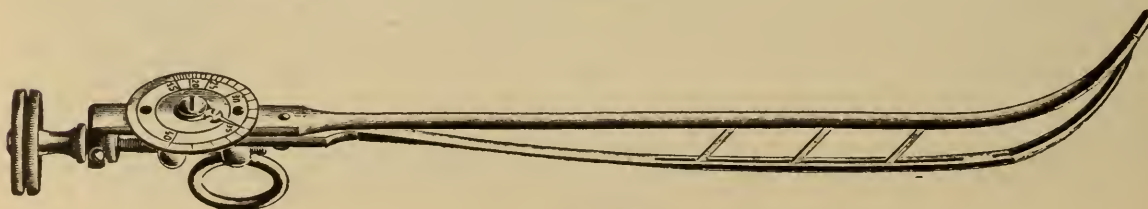
D-832



D-880

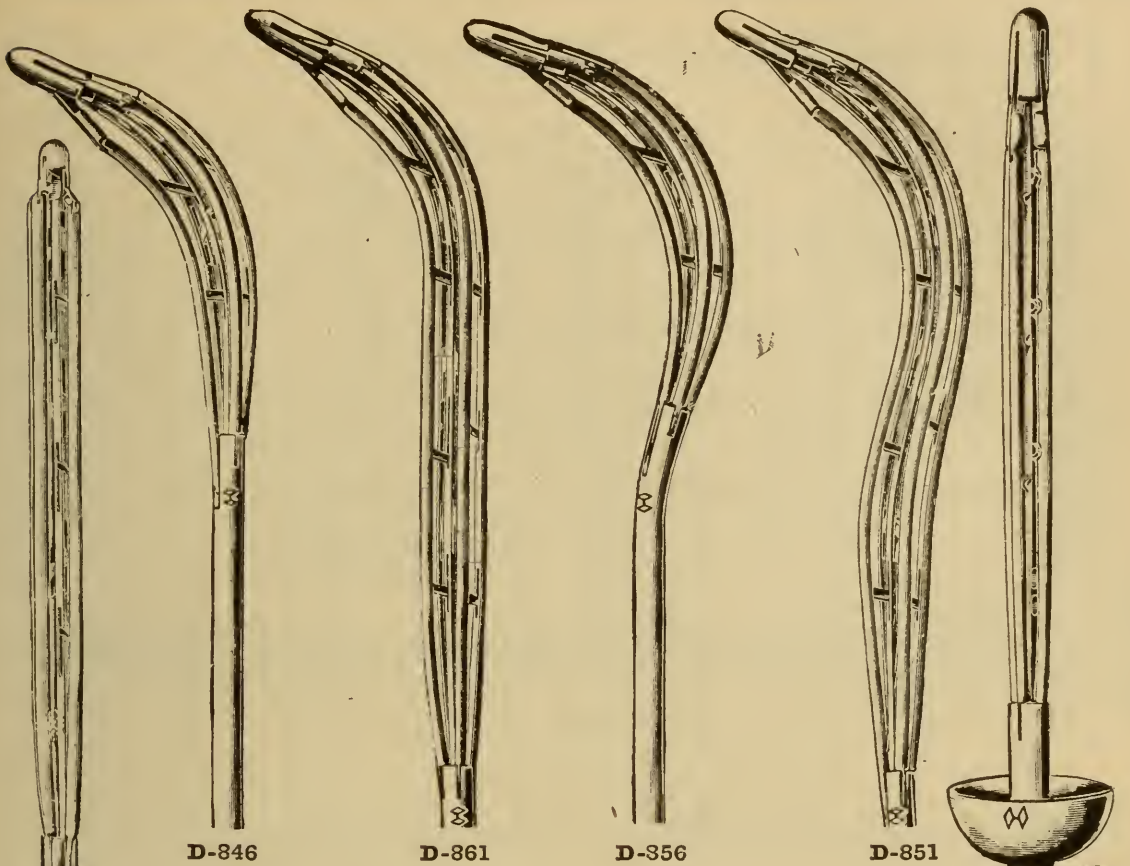


D-885



D-890





## URETHRAL INSTRUMENTS

### URETHRAMETERS

D-820	Kollman's .....	\$22.50
D-825	Otis' .....	16.00

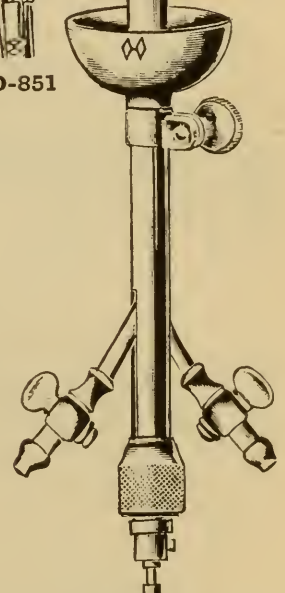
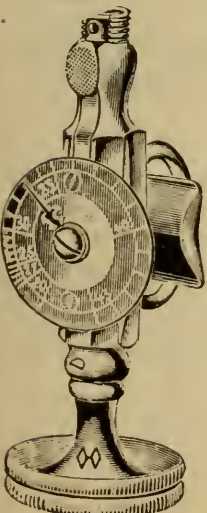
### URETHRAL DILATORS

D-830	Gouley's .....	\$ 6.25
D-832	Kollman's, straight, light, No. 18 French .....	30.00
D-880	Oberlander's, short, slightly curved .....	13.50
D-885	Oberlander's, long, slightly curved .....	14.00
D-890	Oberlander's, long, Van Buren curve .....	14.00
D-895	Thompson's .....	9.50

### KOLLMAN'S IMPROVED DILATORS

These dilators are made with universal, detachable handles and interchangeable blades. Prices quoted are on the blades only—the handle is extra.

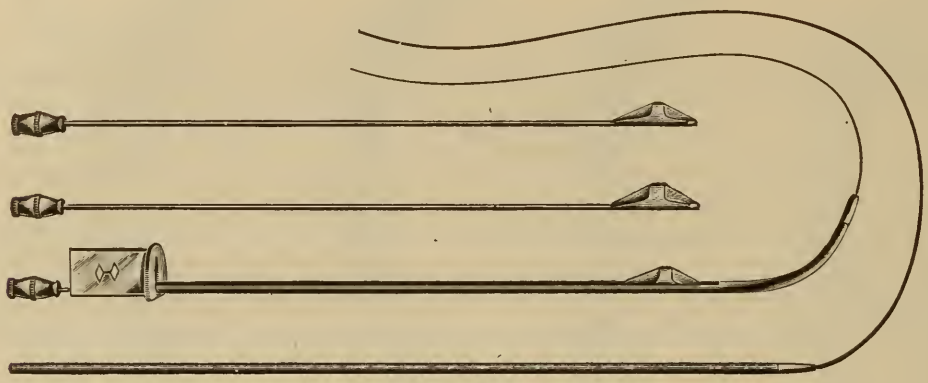
*D-836	Kollman's, straight, short dilating blades.....	\$19.25
D-841	Kollman's, straight, long dilating blades.....	20.00
D-846	Kollman's, curved, short dilating blades.....	22.50
D-851	Kollman's, curved, long dilating blades.....	28.00
D-856	Kollman's, Guyon curve, short dilating blades.....	24.00
D-861	Kollman's, Guyon curve, long dilating blades.....	28.00
D-866	Kollman's, irrigating straight, long dilating blades..	30.00
*D-871	Kollman's, irrigating, curved, long dilating blades..	43.00
*D-876	Kollman's, irrigating, Guyon curve, long dilating blades .....	44.00
D-878	Kollman's Universal Handle.....	8.50
*D-879	Kollman Covers, Rubber, for Kollman old style dilators .....	Per. doz. 3.00



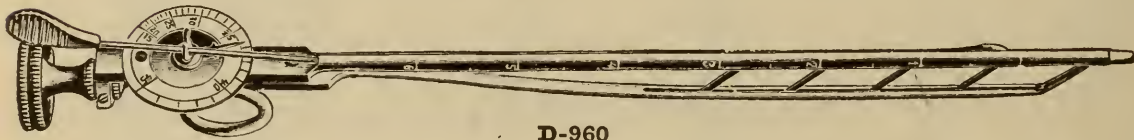
D-878

D-866

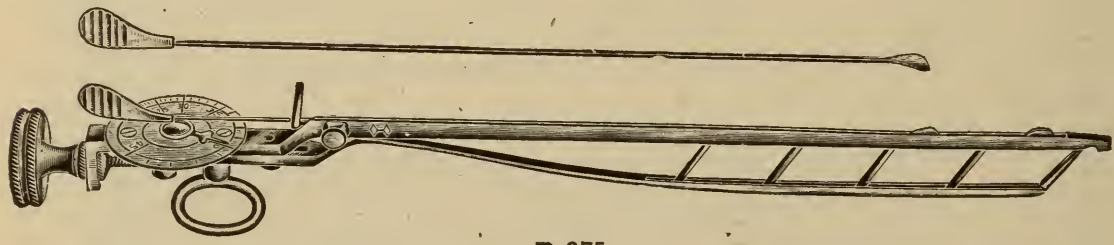
URETHRAL INSTRUMENTS



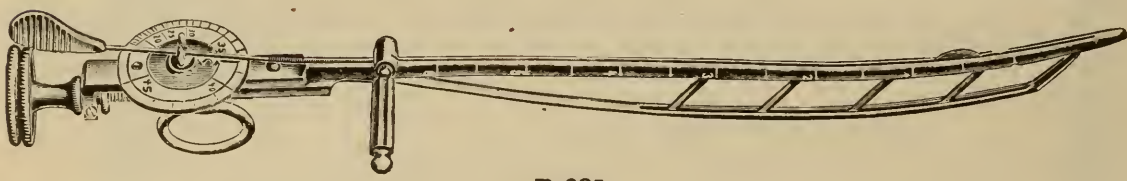
D-935-940



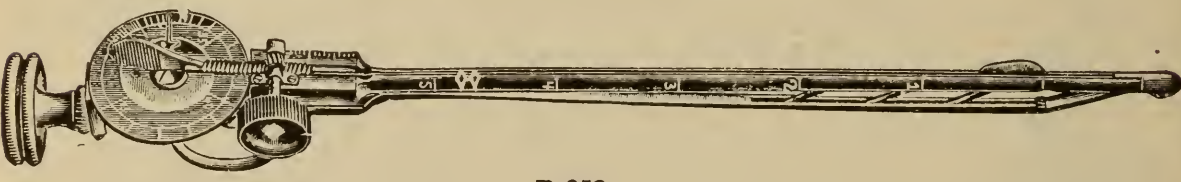
D-960



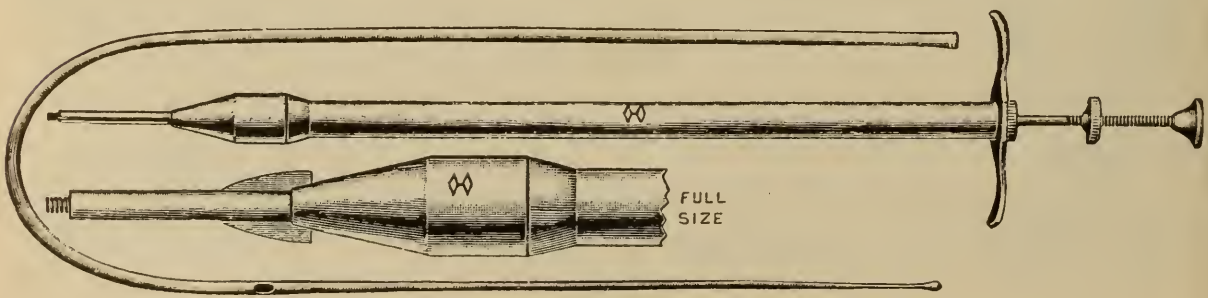
D-975



D-985



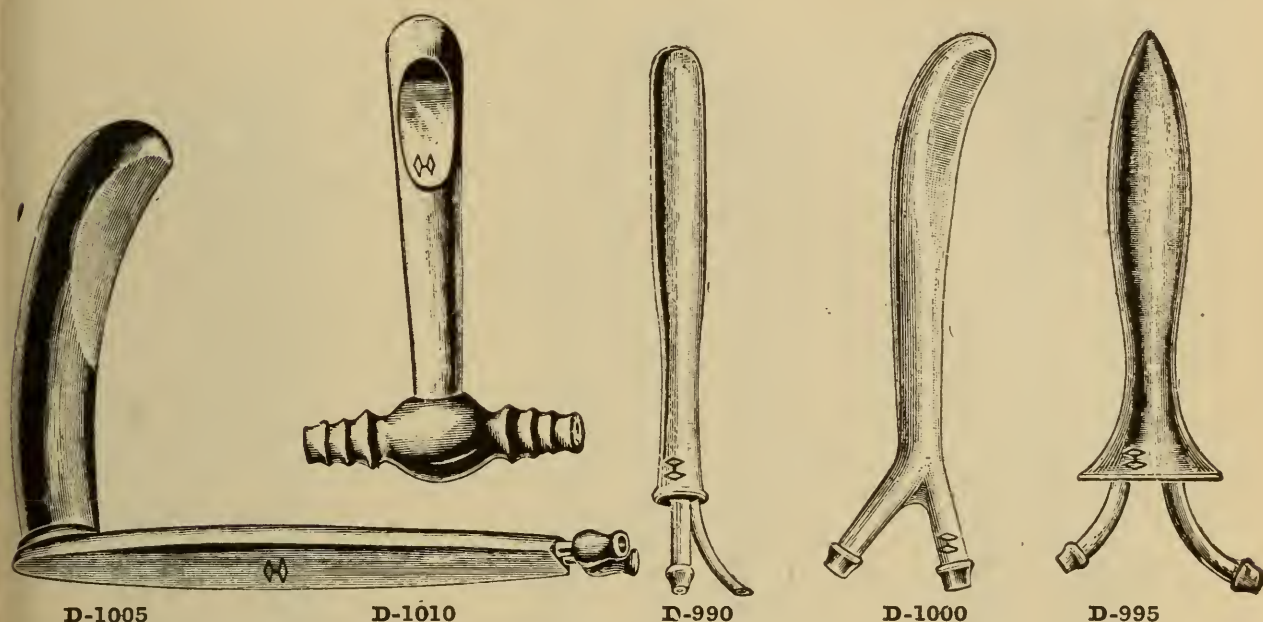
D-958



D-927



## URETHRAL AND PROSTATIC INSTRUMENTS



## MEATOTOMES

*D-905	Gouley's, concealed knife.....	\$3.50
*D-915	Otis', meatus knife.....	2.00
*D-920	Piffard's, meatus knife.....	2.25
*D-925	Thompson's, meatus knife.....	2.25

## URETHRATOMES

D-927	Bredin's, with filiform catheter, in case (patented).....	\$11.50
D-935	Cunningham-Maisoneuve's, with 2 blades, in case.....	9.75
D-940	Cunningham-Maisoneuve's, with 3 blades, in case.....	11.50

The improvement in this instrument permits the operator to hold the glans penis and urethratome with one hand, preventing its accidental turning or twisting, and eliminates the danger of cutting the fingers when introducing the blade.

*D-945	Gross', straight or curved, blade cutting forward.....	\$ 3.25
*D-950	Gross', exploratory, blade cutting backward.....	4.50
D-958	Kreissel's, improved, with 2 blades.....	18.00
D-960	Otis', straight, with 2 knives in case.....	15.00
*D-965	Otis', curved, with 2 knives in case.....	15.00
*D-970	Otis', improved, curved, with 2 knives, in case.....	20.00
D-975	Otis', improved, straight, with 2 knives, in case.....	18.00

This instrument has a sliding sheath which carries the knife. With it the stricture is located without measuring and the blades will cut the stricture bands only. Send for special circular.

*D-980	Otis-Wyeth's, straight, with 2 blades, in case.....	\$18.00
D-985	Otis-Wyeth's, curved, with 2 blades, in case.....	18.00

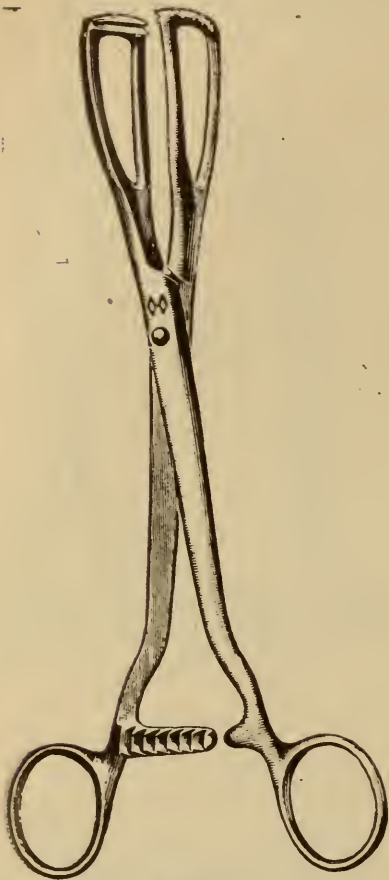
## PROSTATIC INSTRUMENTS

D- 990	Cooler, Adams' .....	\$2.00
D- 995	Cooler, Blanchard's .....	2.00
D-1000	Cooler, Eissner's .....	2.00
D-1005	Cooler, Van der Poel's.....	4.00
D-1010	Cooler, Wiener's .....	1.75
*D-1015	Cooler, Winternitz's, psychrophor.....	2.00
*D-1016	Cooler, the Zerodone, complete with metal haemorrhoidal tips.....	6.00
*D-1017	Cooler, the Zerodone, complete with metal prostatic cooling sound D....	6.50
*D-1018	Cooler, the Zerodone, complete with haemorrhoidal and prostatic cooling sounds .....	7.00

The Zerodone is a cooling apparatus for the treatment of internal Haemorrhoids, Acute and Chronic Prostatitis and Irritable Bladder.

The peculiar feature of this elegant contrivance is a water chamber from which, by means of the working of a rubber bulb, a double current passes through a cylinder inserted into the rectum. There is no connection with a fountain syringe, as the instrument is complete in itself. The most practical instrument made for chronic inflammations of the prostate and rectum.

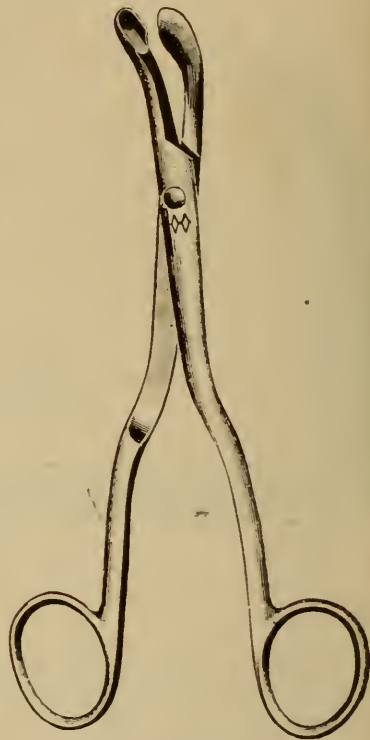
## PROSTATIC INSTRUMENTS



D-1055



D-1050



D-1040



D-1060



D-1035



D-1034



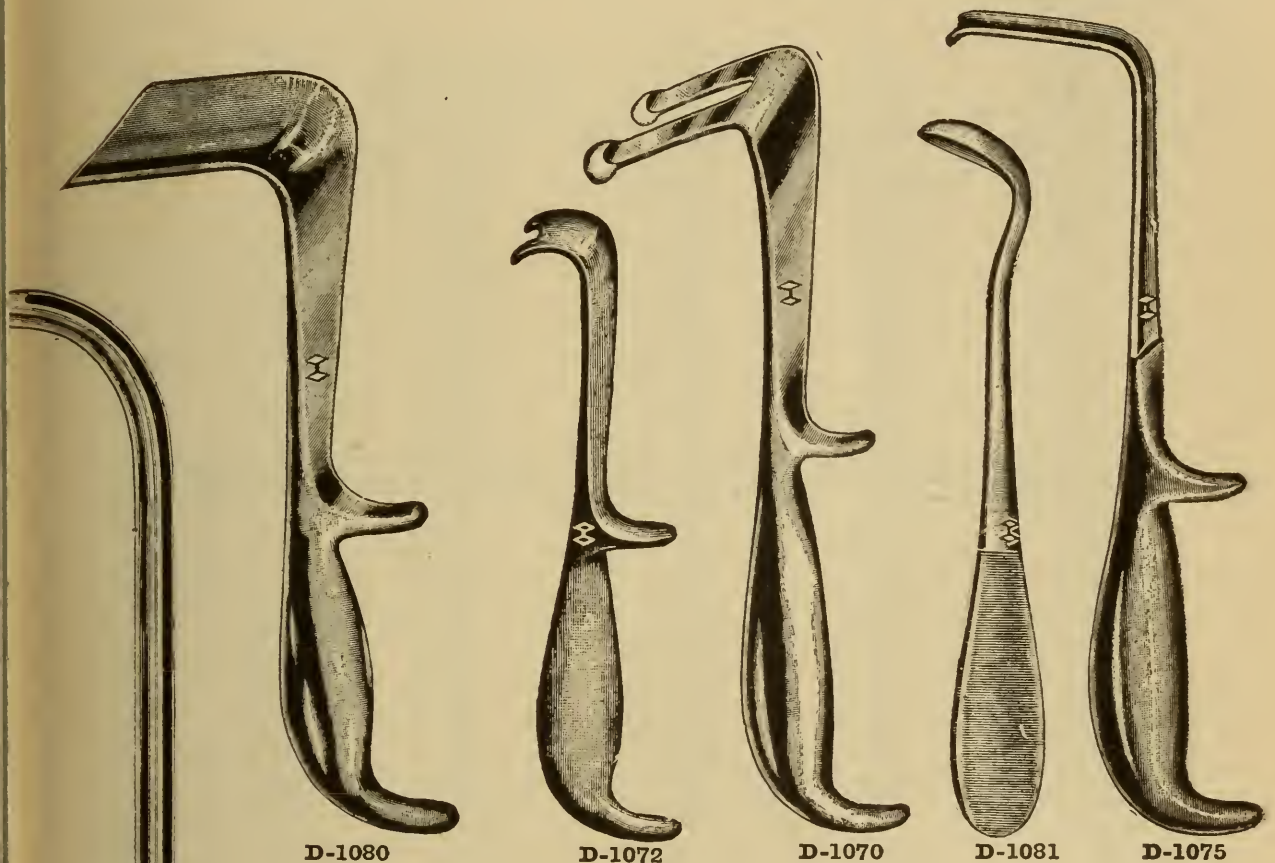
D-1023



D-1062



## PROSTATIC INSTRUMENTS



D-1080

D-1072

D-1070

D-1081

D-1075

## DEPRESSORS, FORCEPS, RETRACTORS, TUBES, ETC.

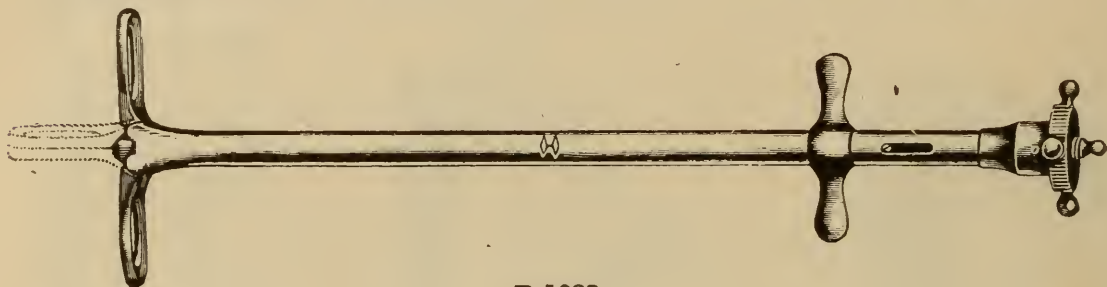
- \*D-1090 Depressor, Ferguson's .....\$3.00  
 \*D-1022 Dissector, Young's, sharp ..... 2.10  
 D-1023 Dissector, Young's, blunt..... 2.00  
 \*D-1025 Drainage Tube, Ferguson's, silver..... 5.75  
 \*D-1032 Drainage Tube, Mayo's, rubber, double, for continuous irrigation..... 1.50  
 D-1034 Drainage Tube, Young's, double, soft rubber, 5 sizes, 12, 16, 20, 24 and 28 mm. diameter of large tube, each..... 1.75  
 D-1035 Enucleator, Young's..... 2.40  
 D-1040 Forceps, Ferguson's, cutting..... 5.50  
 D-1050 Forceps, Guiteras', tearing..... 5.00  
 D-1055 Forceps, Young's, lobe, 2 sizes, small \$3.75; large ..... 4.00  
 D-1060 Knife, Mayo-Allen's, for opening capsule.... 1.80  
 D-1062 Retractor, Guiteras', double, steel..... 3.00  
 D-1065 Retractor, Parker-Sims', soft rubber, with metal stilet..... 3.25  
 D-1070 Retractor, Young's, bifid, large..... 5.25  
 D-1072 Retractor, Young's, bifurcated, small, latest model ..... 4.25  
 D-1075 Retractor, Young's, small blade  $\frac{1}{2}$  in. wide 3.75  
 D-1080 Retractor, Young's, large blade  $1\frac{3}{4}$  in. wide 4.25  
 D-1081 Retractor, Young's, spoon shape, for pedunculated middle lobe and for removing large calculi..... 2.40  
 D-1125 Staff, Ferguson's, grooved..... 1.75  
 \*D-1084 Staff, Young's, grooved..... 1.50



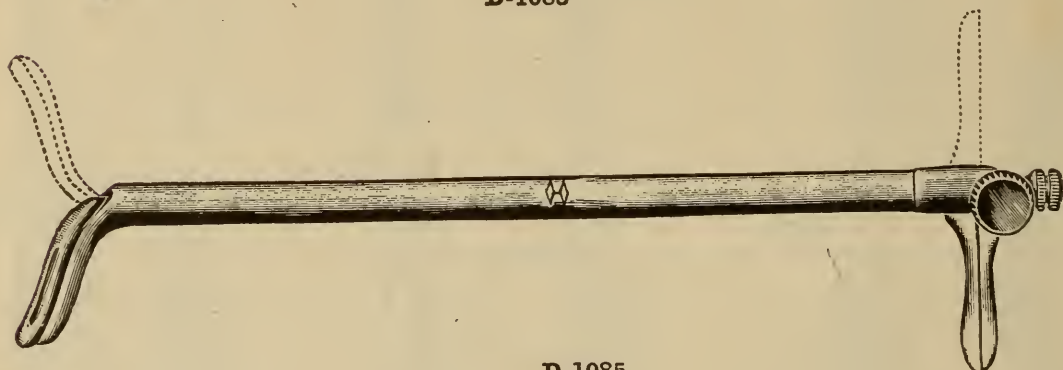
D-1065

D-1125

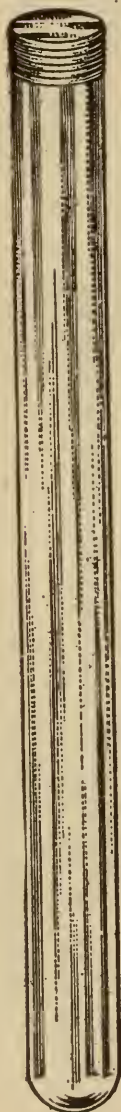
## PROSTATIC AND SUNDRY INSTRUMENTS



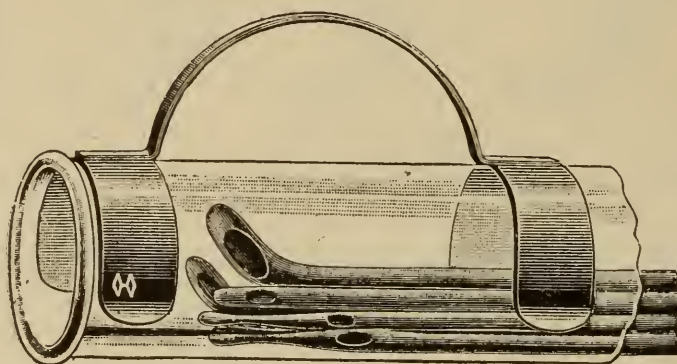
D-1083



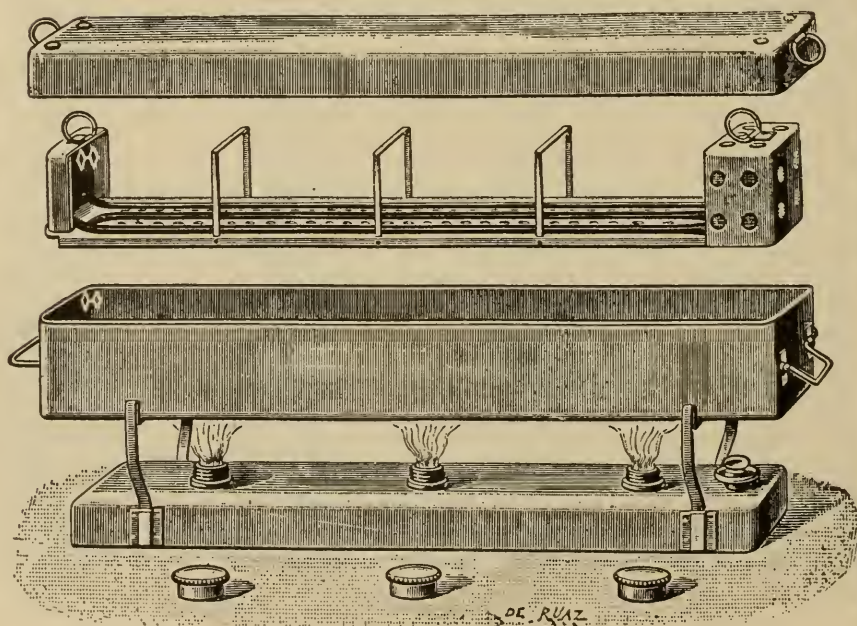
D-1085



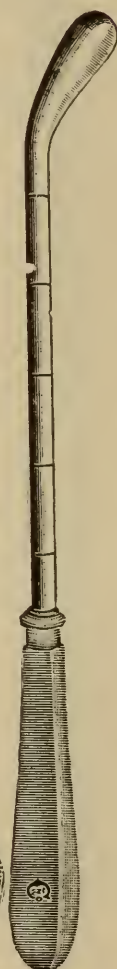
D-1320



D-1122



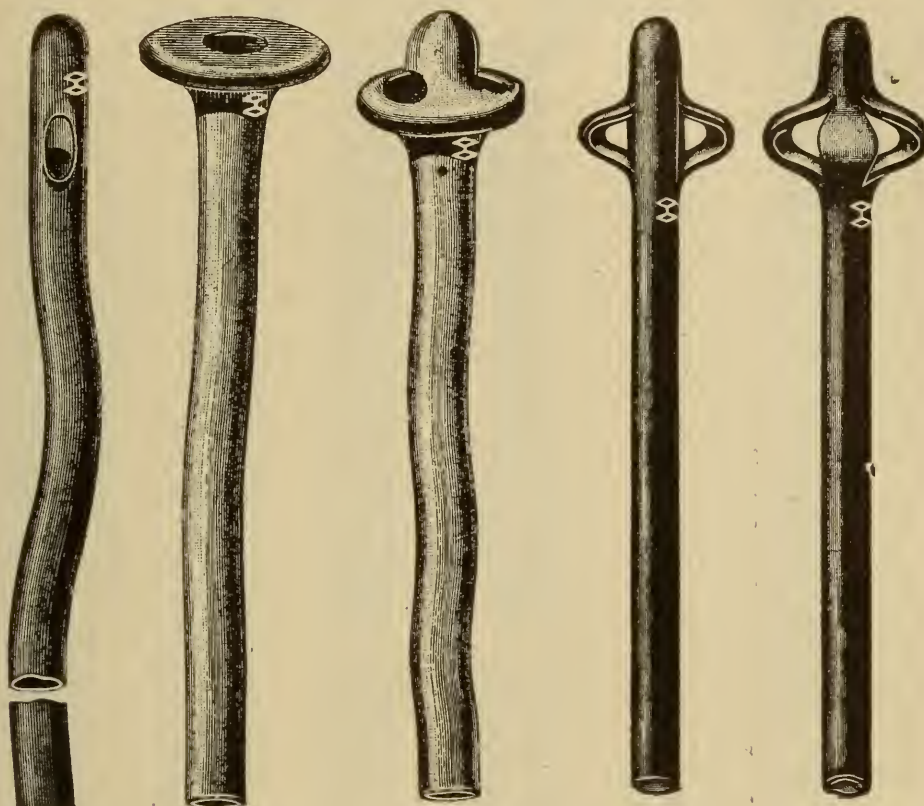
D-1126



D-1118



## VESICAL INSTRUMENTS



D-1145

D-1155

D-1150

D-1135

D-1140

## PROSTATIC INSTRUMENTS

D-1183	Prostatic Tractor, Markley's.....	\$ 8.50
D-1085	Prostatic Tractor, Young's.....	6.50
*D-1095	Dilator, Gouley's.....	15.00
*D-1110	Masseur, Dufaux's, soft rubber.....	8.25
*D-1112	Masseur, Eastman's, metal.....	1.50
D-1118	Masseur, Swinburne's .....	1.75

## CATHETER SUNDRIES

D-1320	Catheter Holder, glass, with screw cap.....	\$ 0.40
*D-1325	Catheter Holder, glass, with screw caps at both ends.....	.45
D-1122	Double Clip, Gaillard's, for placing glass catheter tubes in the sterilizer .....	1.25
D-1126	Sterilizer, Gaillard's, hot water, for bougies and catheters.....	15.00

Sterilizer is made of brass, nickel plated, with perforated metal tray and alcohol lamp. The sterilizer is large enough to sterilize a dozen or more catheters at one time.

## SOFT RUBBER CATHETERS

*D-1128	Catheter Guide, Otis', for soft rubber catheters.....	\$0.90
*D-1130	Double Channel.....	2.00
D-1135	Malecot's, with 2 wings.....	1.50
D-1140	Malecot's, with 4 wings.....	1.50
D-1145	Nelaton's, with funnel end.....	.25
D-1150	Pezzer's, with raised top.....	1.50
D-1155	Pezzer's, with mushroom top.....	1.25

## WEB CATHETERS

*D-1167	English, ordinary brown web, with stilet, sizes 1 to 12, each .20; per dozen .....	\$1.75
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## VESICAL INSTRUMENTS



**GAILLARD'S FRENCH CATHETERS—EXTRA QUALITY  
REGULAR GUM ELASTIC WEB CATHETERS**

	Each	Doz.
D-1175 Conical, sizes 8 to 30, French.....	\$0.90	\$ 9.00
D-1180 Cylindrical, sizes 8 to 30, French.....	.60	6.75
*D-1182 Cylindrical, double channel.....	2.50	24.00
*D-1183 Cylindrical, hole in end, no eye.....	.60	6.75
D-1185 Mercier's, coude, with finger guide, sizes 8 to 30, French.....	1.00	10.50
D-1186 Mercier's, coude, rigid shank and flexible end, sizes 8 to 30, French.....	1.25	12.50
*D-1190 Mercier's, bi-coude, sizes 8 to 30, French....	1.25	12.50
D-1195 Olivary, sizes 8 to 30, French.....	.90	9.50
*D-1196 Olivary, rigid shank and flexible end, sizes 8 to 30, French.....	1.10	11.50
D-1198 Phillip's, whip end, sizes 8 to 30, French.....	2.00	21.50

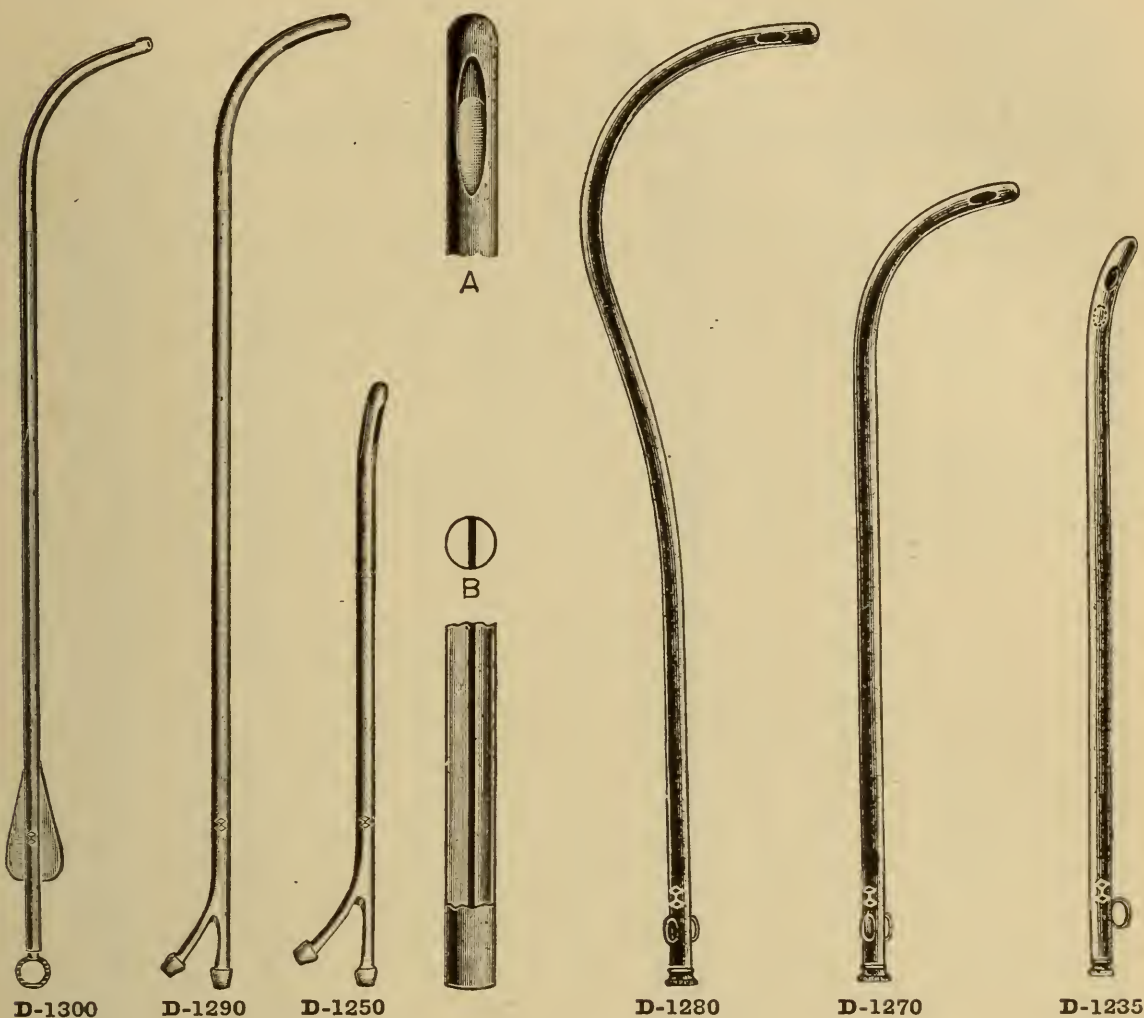
**SILK GUM ELASTIC WEB CATHETERS**

	Each	Doz.
D-1172 Bartrina's, coude, flattened laterally, oval bore, sizes 10 to 25, French.....	\$1.75	\$21.00
D-1181 Cylindrical, sizes 8 to 30, French.....	1.10	12.00
D-1184 Exploring, filiform, sizes 3 to 7, French.....	1.00	10.50
D-1187 Mercier's, coude, sizes 8 to 30, French.....	1.50	16.75
D-1197 Olivary, sizes 8 to 30, French.....	1.40	16.50
D-1202 Wishard's, coude, flattened antero-posteriorly, oval bore, sizes 10 to 22, French.....	2.00	22.50

Gaillard's catheters are superior in design, construction, material, finish and in sterilizable and lasting qualities.



## VESICAL INSTRUMENTS



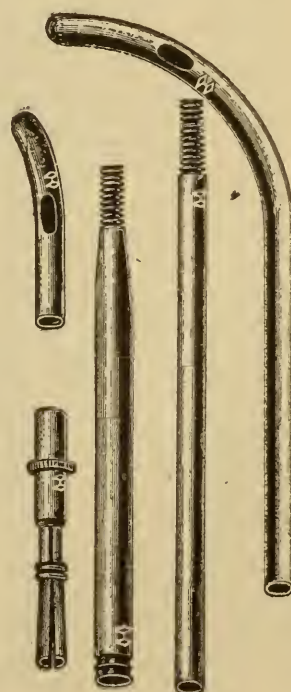
## METAL CATHETERS

D-1235	Female, plated, .40; silver...	\$1.00
*D-1240	Female, glass, each, .10; doz.	.75
*D-1241	Female, glass, double channel	.75
D-1250	Female, double channel, Haslam's Perfection, long eye, plated, \$1.80; silver..	4.25
*D-1260	Female, Sims', sigmoid, plated, .60; silver.....	1.25
*D-1265	Female, Skene - Goodman's, self retaining, plated, .90; silver .....	1.50
D-1270	Male, plated, sizes 1 to 18, English scale.....	.60
D-1275	Male, silver, Nos. 1 to 6, \$3; Nos. 7 to 9, \$3.25; Nos. 10 to 12.....	3.50
D-1280	Male, Coxeter's, prostatic, plated .....	.75
D-1290	Male, double channel, Haslam's Perfection, long eye, plated, \$2.00; silver.....	4.75
D-1300	Male, Gouley's, tunnelled for carrying filiform bougie..	1.40
*D-1305	Male, Gross', spiral.....	1.50
D-1310	Male and female, combined, plated, \$1.00; silver.....	3.75
D-1315	Male and female, Parker's, combined, plated, \$1.25; silver .....	5.00

Note—Fig. A shows shape and size of eye, and Fig. B a cross section of the lumen of double channel catheters D-1250 and D-1290.

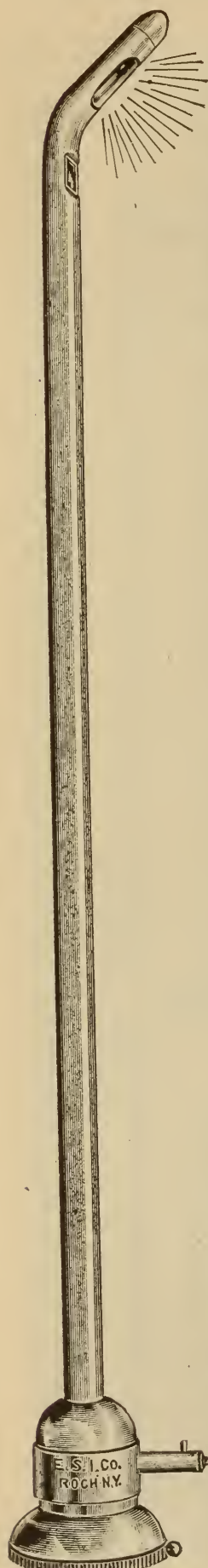


D-1310

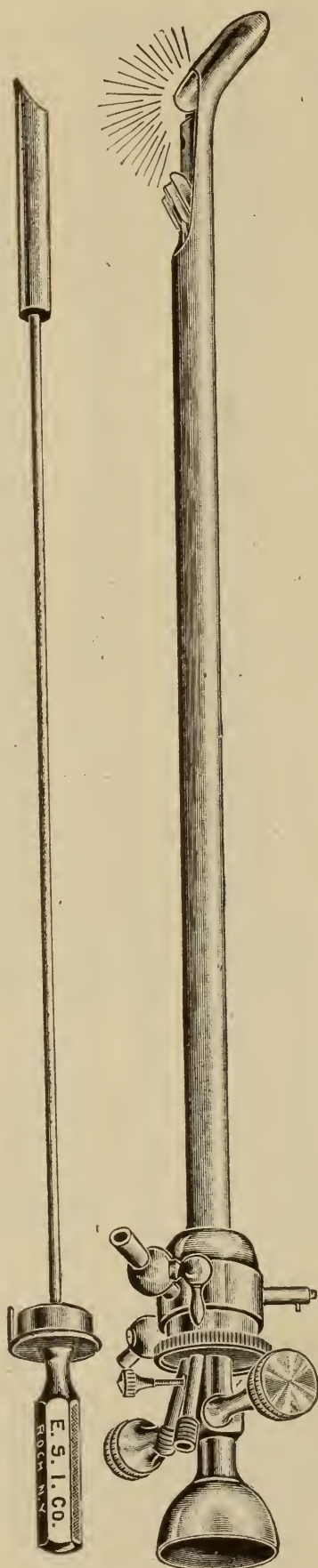


D-1315

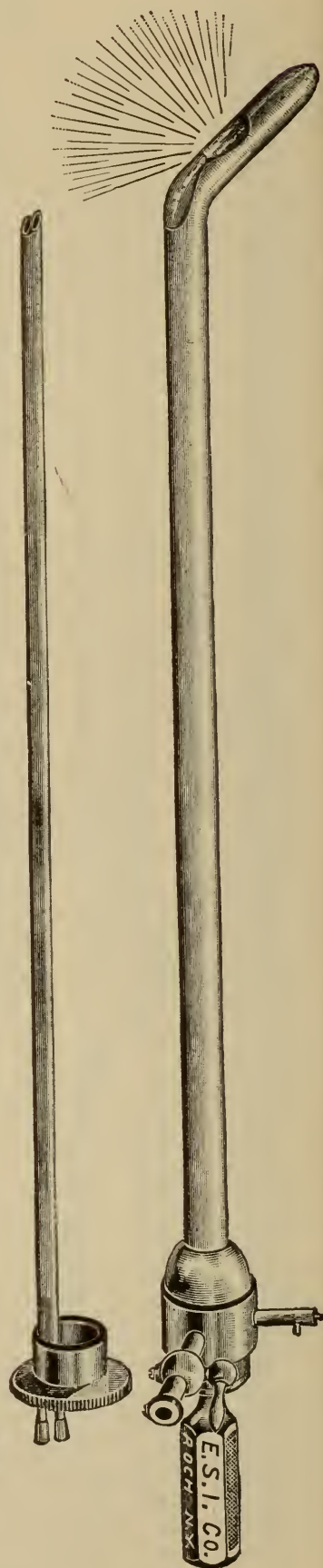
## VESICAL INSTRUMENTS



D-1338



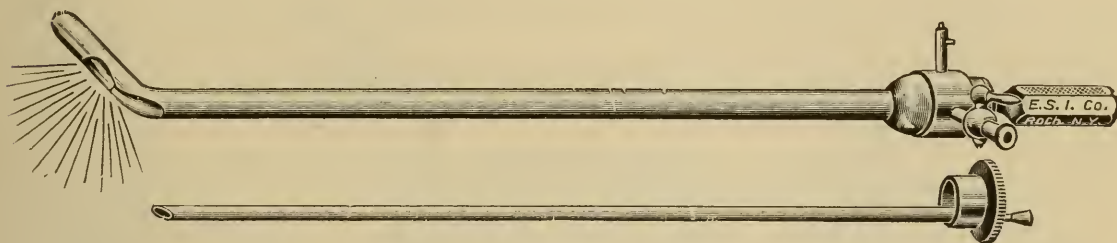
D-1348B



D-1348



## VESICAL INSTRUMENTS



D-1348A

## CYSTOSCOPES

## NOTICE

We wish to call the attention of the profession to the fact that the "Braasch" cystoscopes listed below are made by the Electro Surgical Instrument Co. of Rochester, N. Y. The models made by this firm are the only ones sanctioned and used by Dr. W. F. Braasch. Inferior makes that have not produced satisfactory results have been placed on the market, and it is our desire only to see that you secure the authorized models.

## CYSTOSCOPES

## D-1348. The "Braasch" Direct Catheterization Cystoscope

Designed by Dr. W. F. Braasch of St. Mary's Hospital, Rochester, Minnesota. It is a modification of the Lewis and the Elsner, differing from them principally in that the catheter guides are removable. They are held firmly in place by small flanges which project slightly into the lumen of the tube. The beak is small and tapered, making introduction easy. The thickness of the walls has been lessened, reducing the outer calibre and enlarging the lumen of the tube. The removable catheter guide can be rendered surgically sterile, and when it is not in use the cystoscope can be used for diagnostic purposes. The cystoscope was designed for water dilatation but may be used with air if preferred. The calibre is No. 24 French scale and the length 21 cm. It is simple, effective and the most practical instrument for the general practitioner that has been designed up to date.

Besides the regular double catheter guide we are now, at Dr. Braasch's suggestion, prepared to furnish two large single catheter guides, one taking a No. 7 and the other a No. 9 catheter, and these guides are also used for fulguration of the bladder.

Price, with double catheter guide, ocular window and extra lamp.....	Net \$34.00
Price, complete as above, with 2 silk catheters and dilating bulb.....	Net 42.50
Price, large single catheter guide, extra.....	Net 5.50
Price, case covered with genuine leather, seal grained.....	Net 3.50

## D-1348A. THE "BRAASCH" CHILD CYSTOSCOPE

Dr. Braasch has designed a new cystoscope for diagnosis and ureter catheterization of children. It is constructed along the same lines as the regular Braasch direct catheterization cystoscope, except that it has a single removable catheter guide. This instrument is furnished in a length of 11 cm. and with a calibre of 16 French.

Price, with catheter guide, ocular window and extra lamp.....	Net \$34.00
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## D-1348B. THE "BRAASCH" INDIRECT CATHETERIZATION CYSTOSCOPE

This instrument is a modification of the Braasch direct view cystoscope for those who prefer a lens system, and it is now equipped to show corrected image. As with the direct view Braasch, the catheter guides are on the convex side of the tube—opposite the beak—so that it is not necessary, for catheterization, to turn the instrument on its long axis after entering, and before leaving the bladder, and the ureter catheters do not require so great a deflection to bring them into line with ureter openings.

Dr. Braasch particularly recommends this instrument in cases of enlarged prostate, where his direct catheterization cystoscope cannot be used to best advantage.

This cystoscope is 19 cm. long to curve of beak and 24 French, in calibre. The periscope with catheter guides is placed in position after the obturator is withdrawn. Two stopcocks are provided for irrigation.

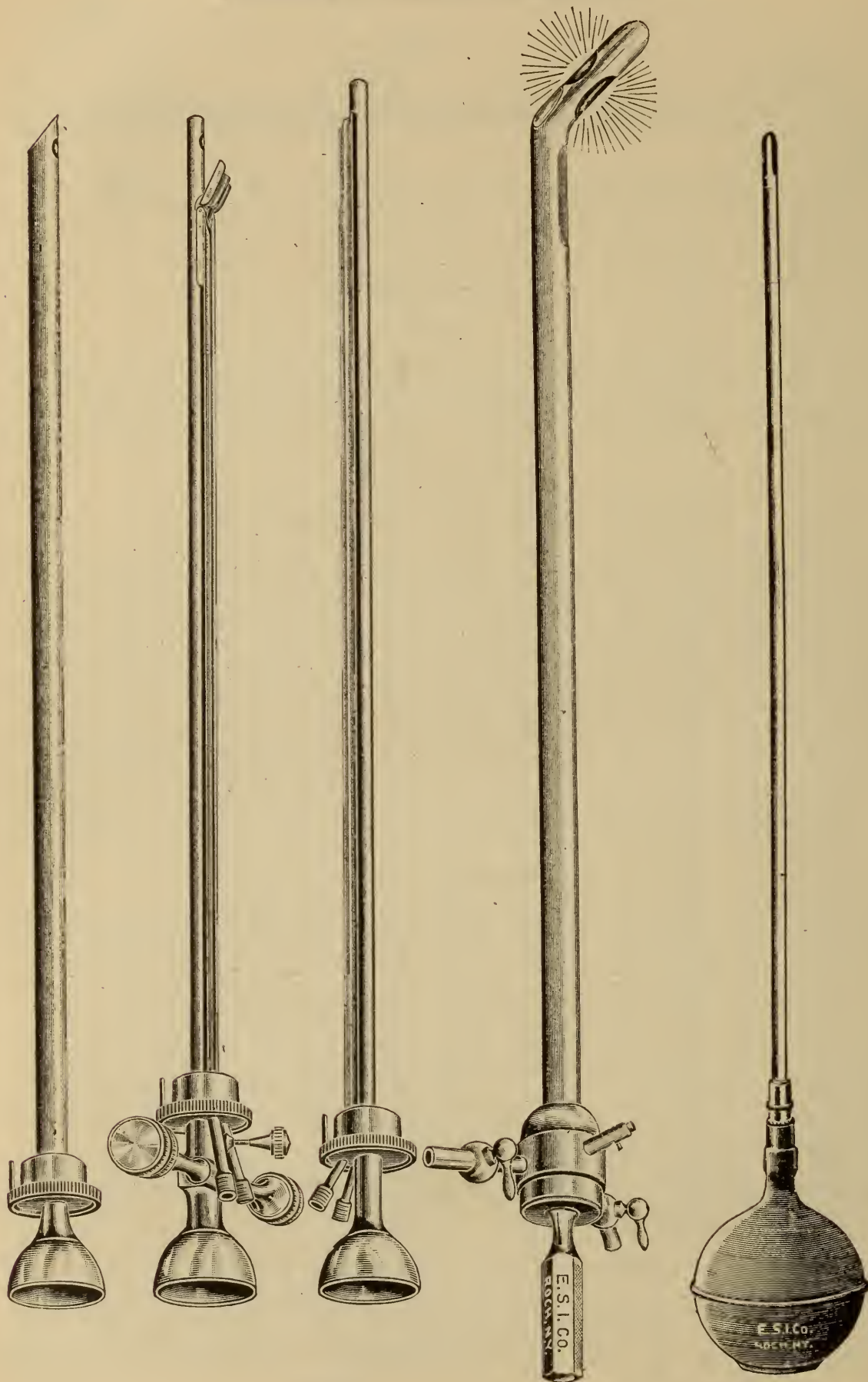
Price, complete, with extra lamp.....	Net \$65.00
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## D-1338. "NITZE" DIAGNOSTIC CYSTOSCOPE

This examining cystoscope gives a clear, magnified vision of the pathological conditions of the bladder, and brings out all details clearly. The tube has a rounded curved beak to facilitate introduction, and is 18 French in calibre and 22 cm. long to the curve of the beak. It is equipped with our tungsten lamp, giving a most brilliantly illuminated field, while the temperature of the lamp remains practically the same as that of the tissues under examination.

Price, with extra lamp.....	Net \$35.00
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## VESICAL INSTRUMENTS

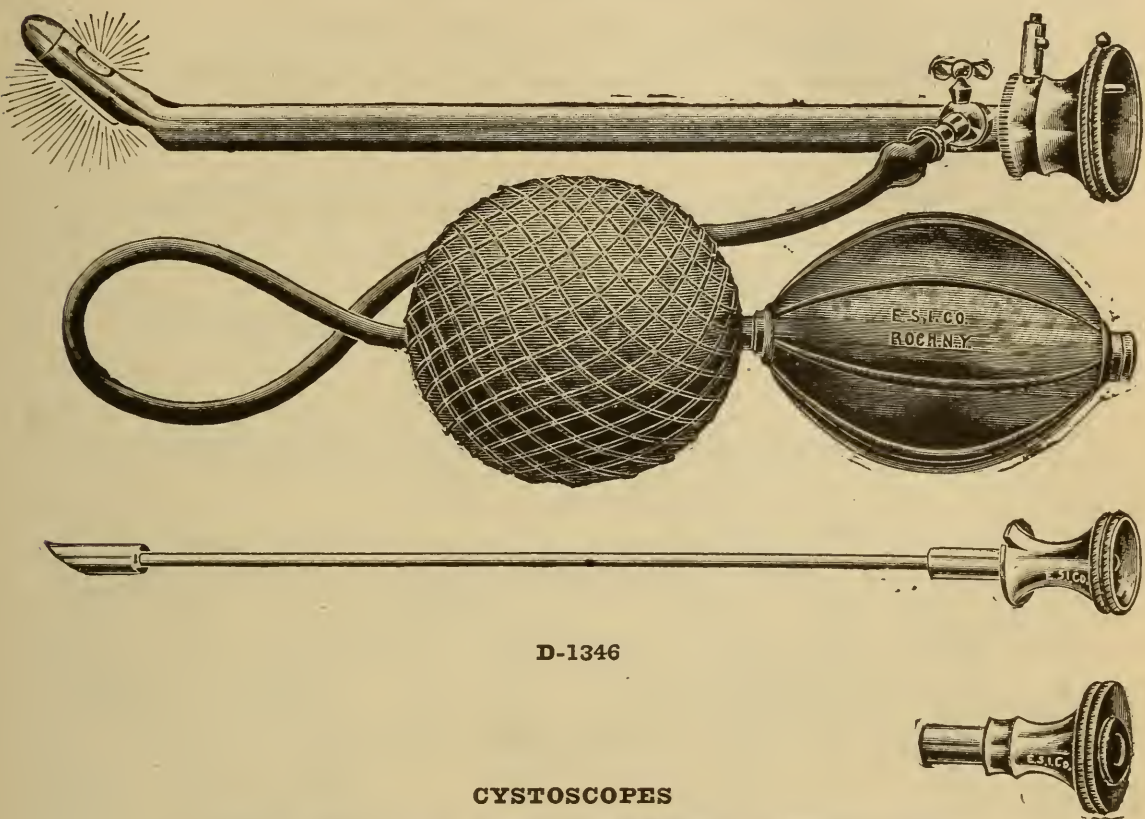


D-1347

D-1351



VESICAL INSTRUMENTS



D-1346. THE "E. S. I. CO." DIAGNOSTIC CYSTOSCOPE

This instrument is so arranged that either air or water may be used as a dilating medium. It is designed for diagnostic work, for removing caluclii and other foreign bodies, and for making direct applications, etc. Its advantages are its small calibre, the fact that it can be used for either air or water dilatation, that direct applications can be made to diseased tissue, and its cold lamp, giving brilliant illumination.

This instrument has a calibre of No. 20 French scale and a length of 20 cm. The female cystoscope has a calibre of No. 28 French scale and a length of 10 cm.

Price, Male, with extra lamp, obturator and window.....	Net \$22.00
Price, Female, with extra lamp, obturator and window.....	Net 22.00
Price, Dilating Bulbs, extra.....	Net 1.50

D-1347. THE "E. S. I. CO." COMBINATION CYSTOSCOPE

This instrument represents the very latest advance in the art of cystoscopy, comprising as it does the best features of the Tilden Brown, the Cabot, the Ayres and other good models. The calibre is small. No. 23 French, the length about 20 cm. The lamps are cool and give brilliant illumination, the catheter guides are attached to the outer wall of the direct periscope, so that the instrument when not being used for ureter catheterization is available for diagnostic and treatment work. Two periscopes are furnished, one for direct, the other for angular inspection. It is provided with two stop cocks to facilitate irrigation. Air or water may be used for dilatation.

Price, complete, with 3 periscopes, obturator, water-tight window and extra lamp .....	Net \$95.00
Price, complete, as above, with 2 silk ureter catheters.....	Net 99.00
Price, additional periscope, large, direct.....	Net 15.00
Price, additional periscope, retrospective.....	Net 18.00
Price, dilating bulbs.....	Net 1.50
Price, case, covered with genuine leather, seal grained.....	Net 3.50

Space does not permit of full detailed description. We will be glad to mail special circular if you are interested.

CYSTOSCOPES

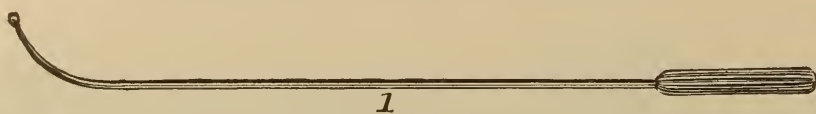
\*D-1345. Bransford Lewis' new and improved cystoscope consists of: 1, sheath with obturator, Fig. A, the former affording illumination of the whole interior of the bladder by fenestration of its beak on both convexity and concavity; 2, telescope for direct double urethral catheterization, Fig. B; 3, telescope for indirect ureteral catheterization with right-angle lens, Fig. C; 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
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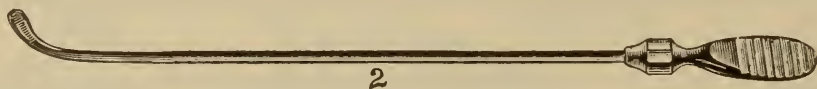
In addition to the above outfit, non-catheterizing telescope for direct forward view, Fig. E, and non-catheterizing telescope for indirect, right-angle view, Fig. F, can be furnished.

Complete set, including 5 telescopes enumerated, in case.....	Net \$135.00
D-1351. Cystoscopic aspirator and irrigator.....	1.00

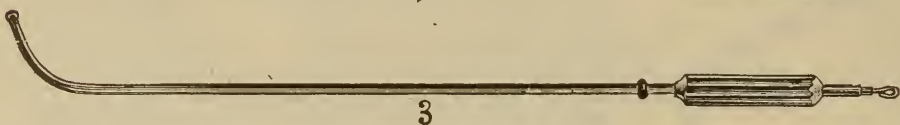
## VESICAL INSTRUMENTS



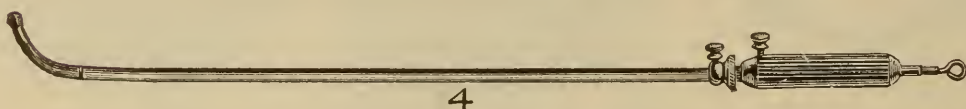
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2

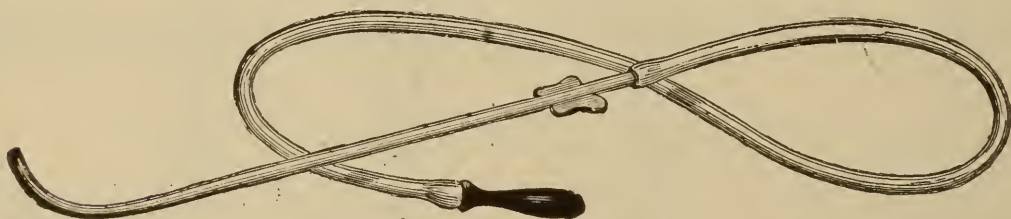


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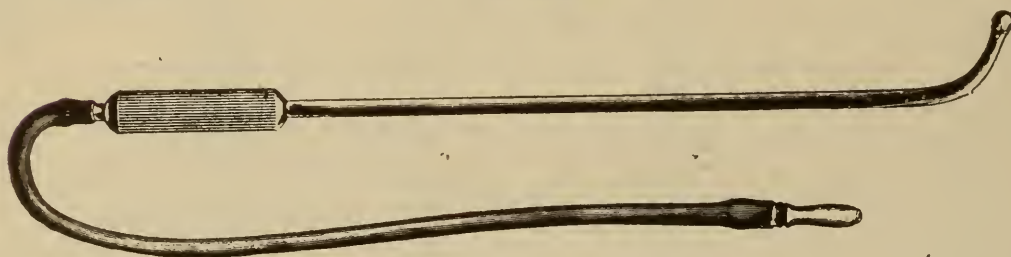


4

D-1395-1400-1410-1415



D-1390



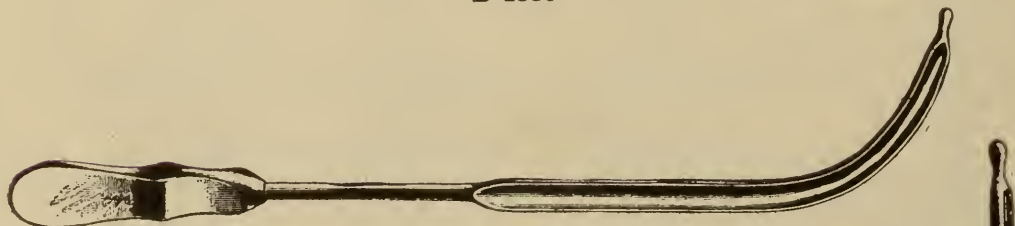
D-1405



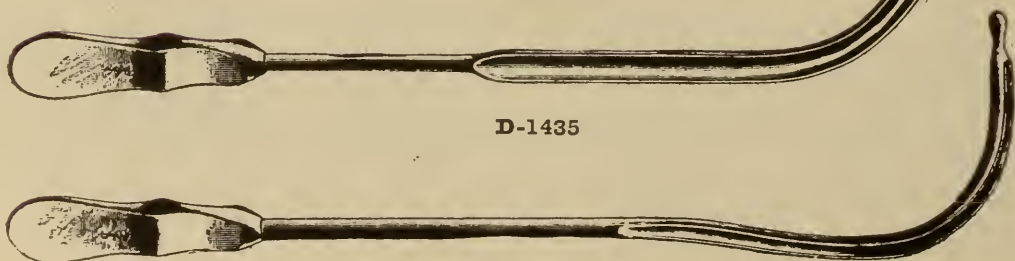
D-1385



D-1380



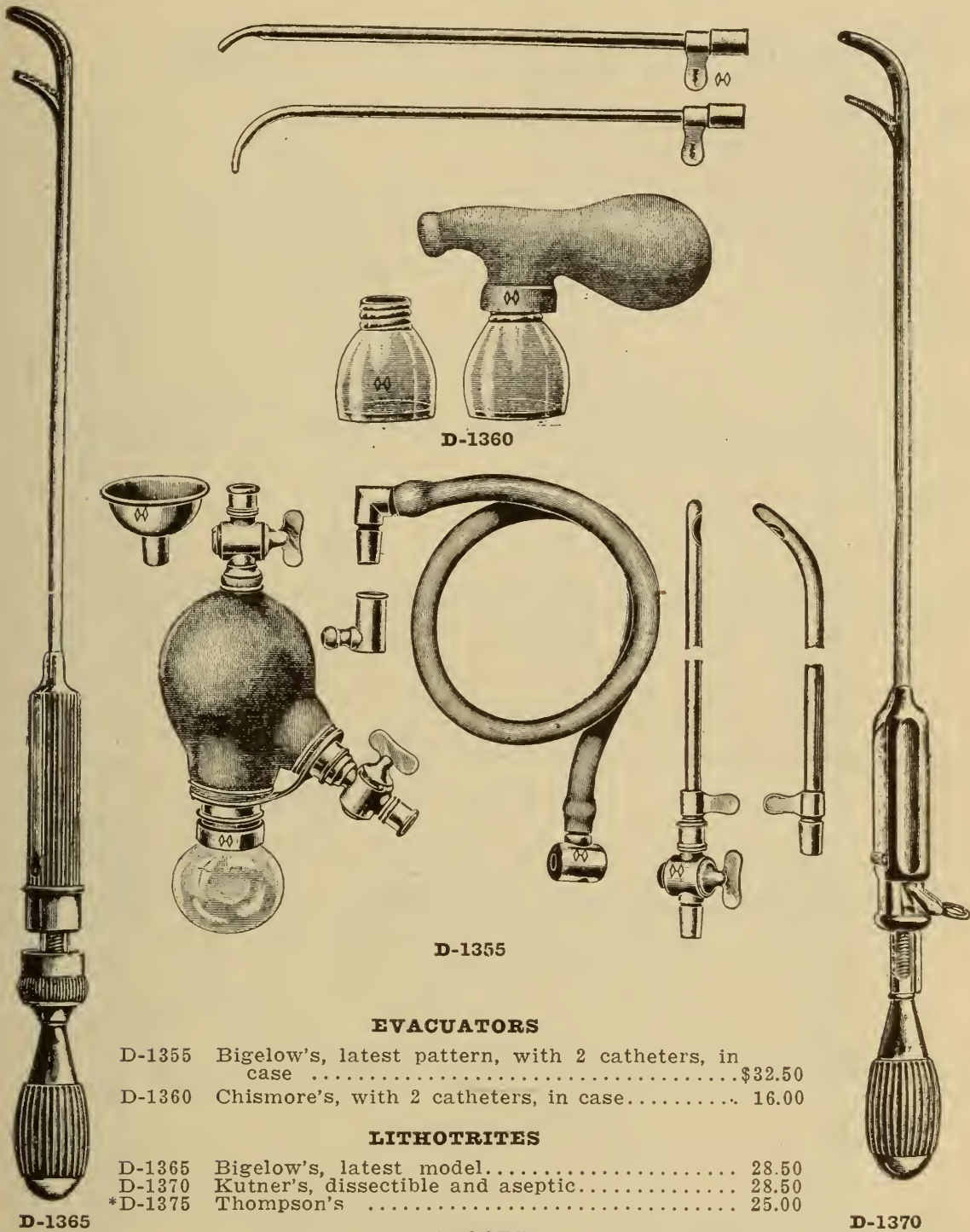
D-1435



D-1430



VESICAL INSTRUMENTS



D-1360

D-1355

D-1370

EVACUATORS

D-1355	Bigelow's, latest pattern, with 2 catheters, in case .....	\$32.50
D-1360	Chismore's, with 2 catheters, in case.....	16.00

LITHOTRITES

D-1365	Bigelow's, latest model.....	28.50
D-1370	Kutner's, dissectible and aseptic.....	28.50
*D-1375	Thompson's .....	25.00

SCOOPS

D-1380	Director, with scoop.....	\$2.50
D-1385	Little's .....	2.75

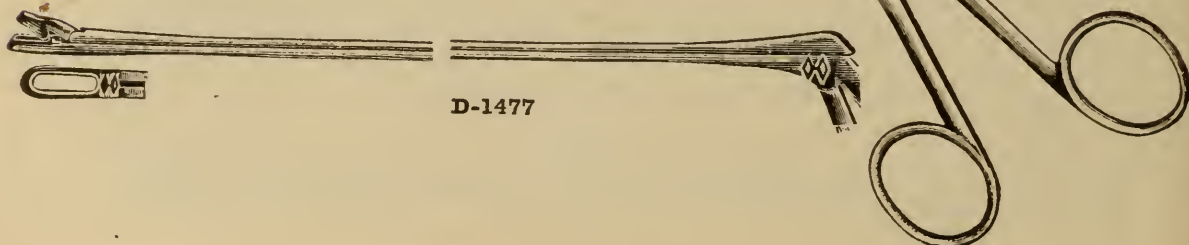
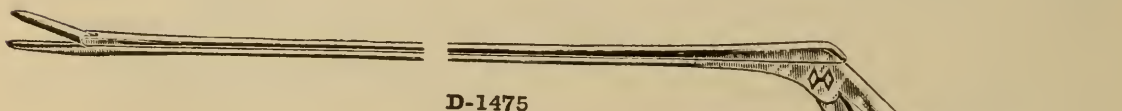
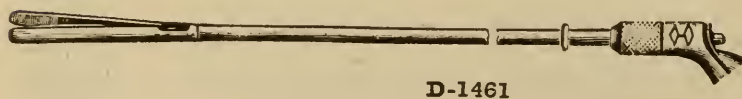
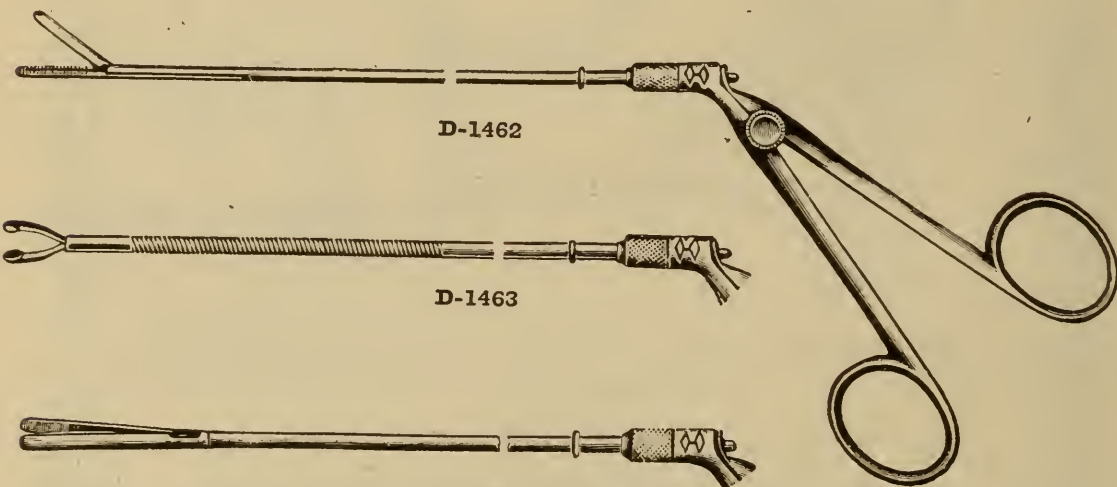
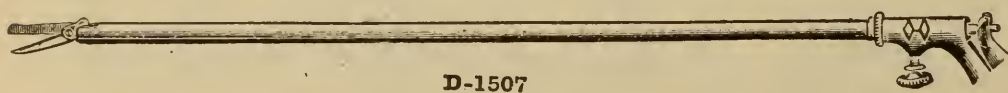
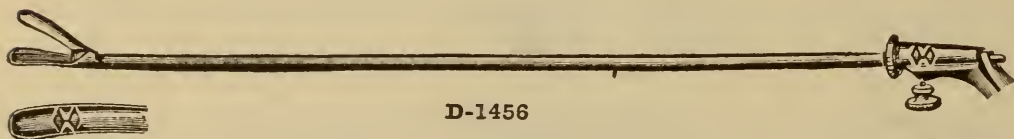
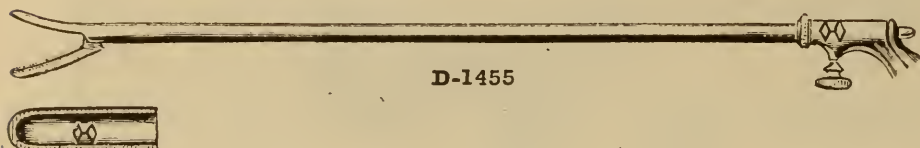
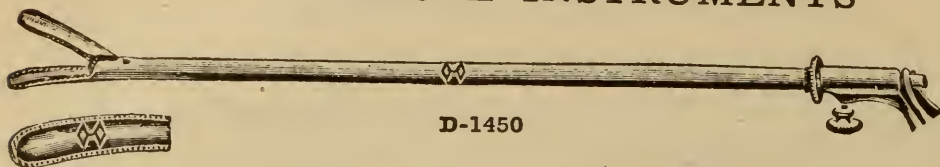
SEARCHERS

D-1390	Andrews' .....	1.25
D-1395	Little's, No. 1.....	1.10
D-1400	Otis', No. 4.....	4.50
D-1405	Posner's, with sound conductor.....	2.50
D-1410	Thompson's, No. 3.....	1.50
D-1415	Thompson's, latest, No. 2.....	2.50

STAFFS

*D-1420	Ferguson's, grooved.....	1.75
*D-1425	Little's, angular director.....	1.50
D-1430	Little's .....	1.50
D-1435	Markoe's .....	1.50
*D-1438	Wheelhouse's .....	2.00

## VESICAL INSTRUMENTS





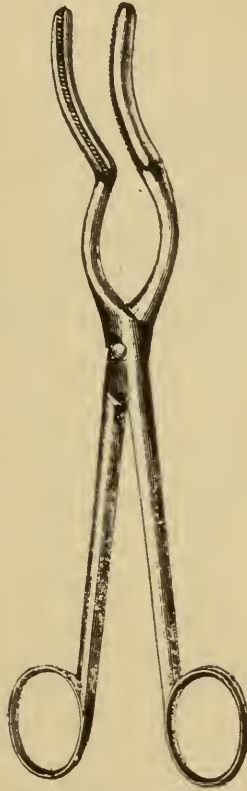
## VESICAL INSTRUMENTS



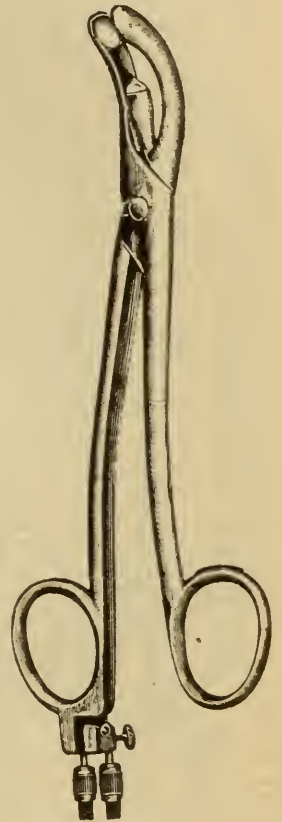
D-1495



D-1500



D-1505



D-1480

## CURETTE

\*D-1440 Kelly's, sharp.....\$ 2.25

## FORCEPS

\*D-1445 Bergman's, lithotomy... 3.50  
 D-1450 Collins', urethral and bladder ..... 10.00  
 D-1455 Dittel's, urethral and bladder ..... 10.00  
 D-1456 Kollman-Dittel's, cutting edge ..... 11.50  
 D-1460 Kelly's, bladder..... 7.50  
 D-1461 Lewis (Bransford), ureter dilator..... 9.00  
 D-1462 Lewis' (Bransford), serrated edge..... 9.75  
 D-1463 Lewis' (Bransford), cutting edge, spiral shank ..... 10.50  
 \*D-1464 Lewis' (Bransford), scissors ..... 12.00  
 D-1465 Lewkowitz's, curved, lithotomy ..... 2.75  
 D-1470 Lewkowitz's, straight, lithotomy ..... 2.50  
 D-1475 Mathieu's, angular, 11-in. 8.50  
 D-1477 Mathieu's, angular, punch jaw ..... 10.75  
 D-1480 Nitze's, bladder, with electric lamp..... 18.00  
 \*D-1485 Pitha's, urethral, straight or curved.... 2.00  
 \*D-1490 Teevan's, fenestrated, lithotomy ..... 4.50  
 D-1495 Thompson's, curved, bladder ..... 5.00  
 D-1500 Thompson's, bayonet curve, bladder..... 5.00  
 D-1505 Thompson's, double curve, bladder..... 4.75

## SCISSORS

D-1507 Kollman's, urethral..... 12.00

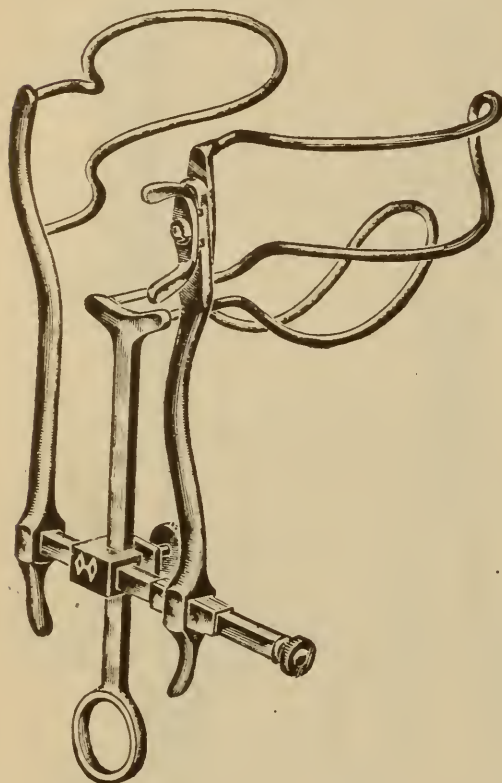


D-1470

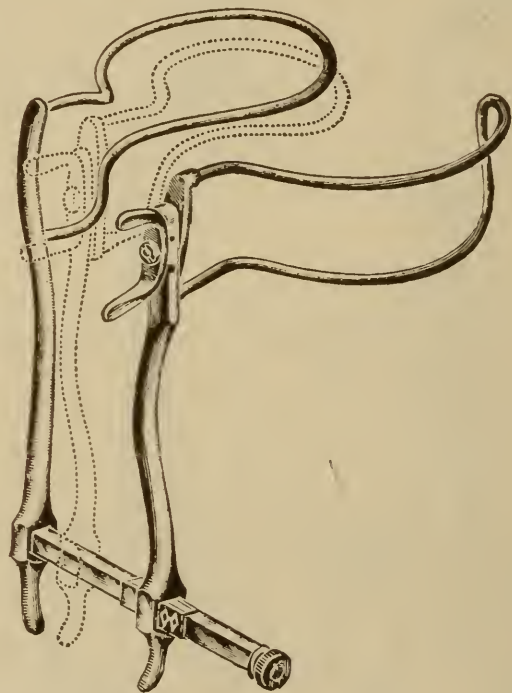


D-1465

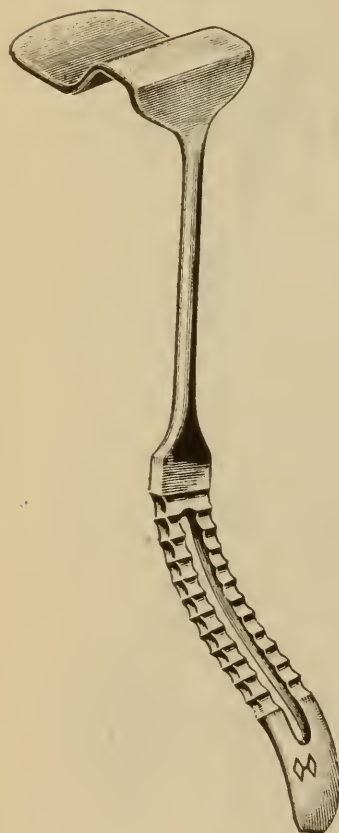
VESICAL INSTRUMENTS



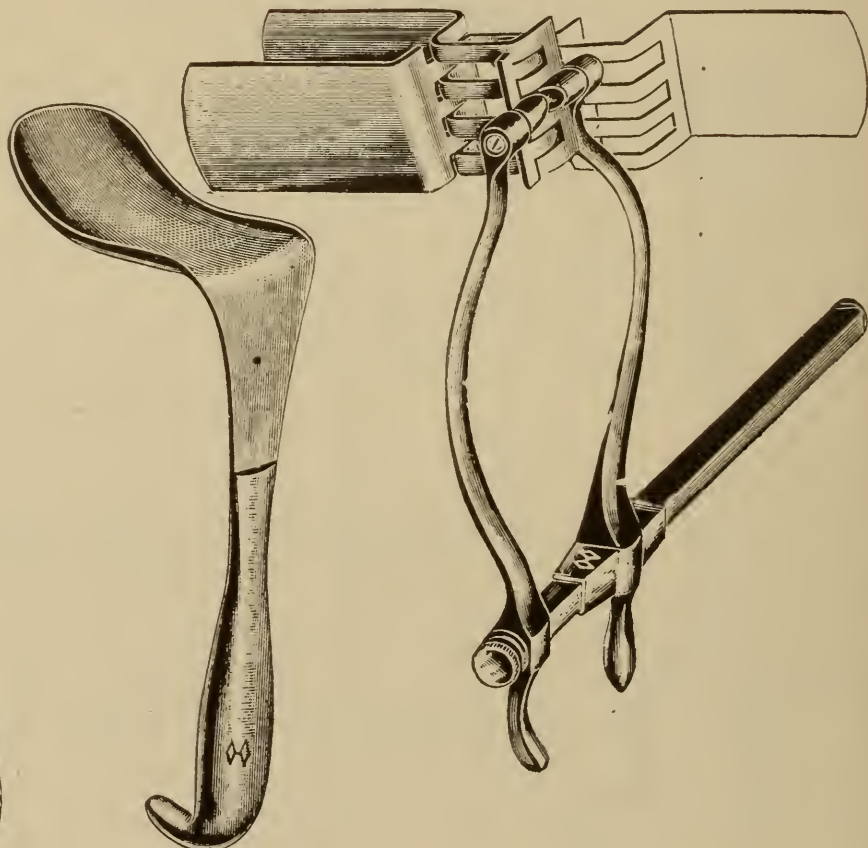
D-1521



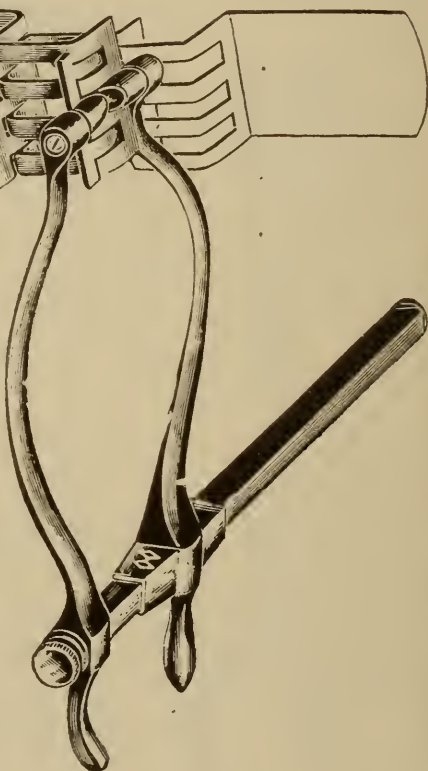
D-1519



D-1518



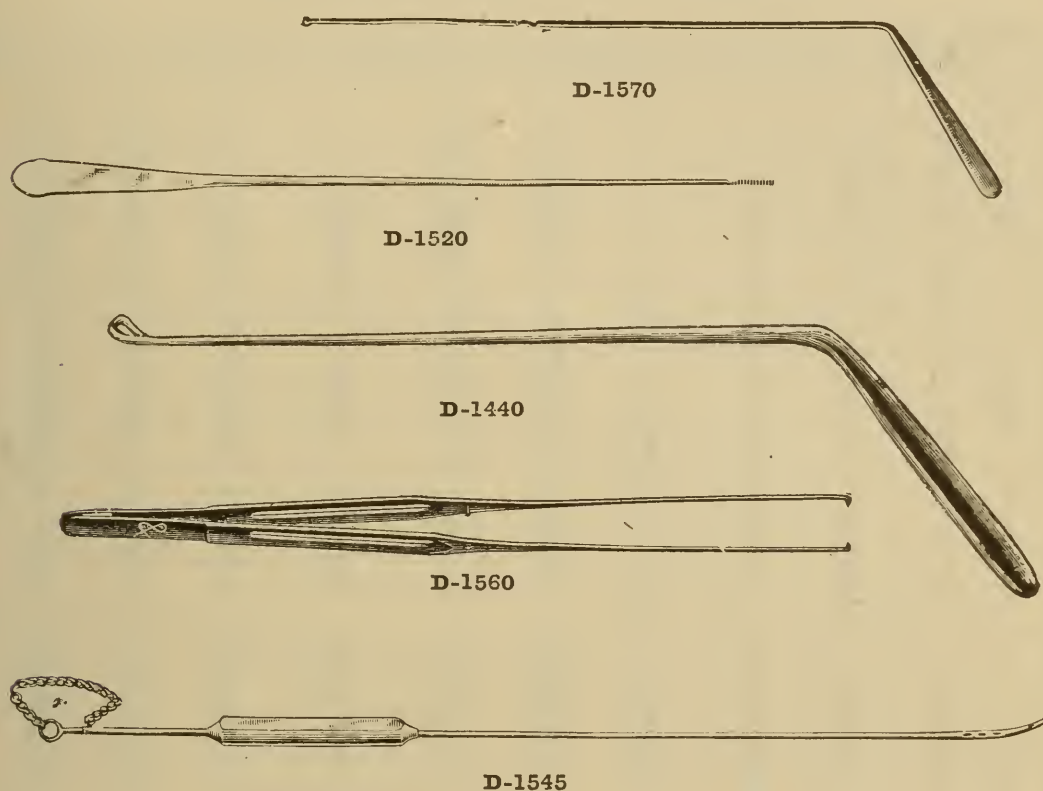
D-1517



D-1517A



## URETERAL INSTRUMENTS



## BLADDER RETRACTORS

*D-1516	Albarran's .....	\$ 6.00
D-1517	Kocher's .....	4.75
D-1517A	Masson's (Dr. J. C.) .....	10.00
D-1518	Walker's, for transverse incisions, $\frac{3}{4}$ inch and $1\frac{3}{4}$ inch wide, each....	4.75
D-1519	Watson's, 2 bladed, self-retaining, dilating parallel.....	13.25
D-1521	Watson's, 3 bladed, self-retaining .....	18.75

## BLADDER SCISSORS

*D-1523	Zuckerkandl's, double, curved .....	3.50
*D-1524	Zuckerkandl's, double, abrupt curve, for deep seated growths.....	6.25

## URETERAL INSTRUMENTS

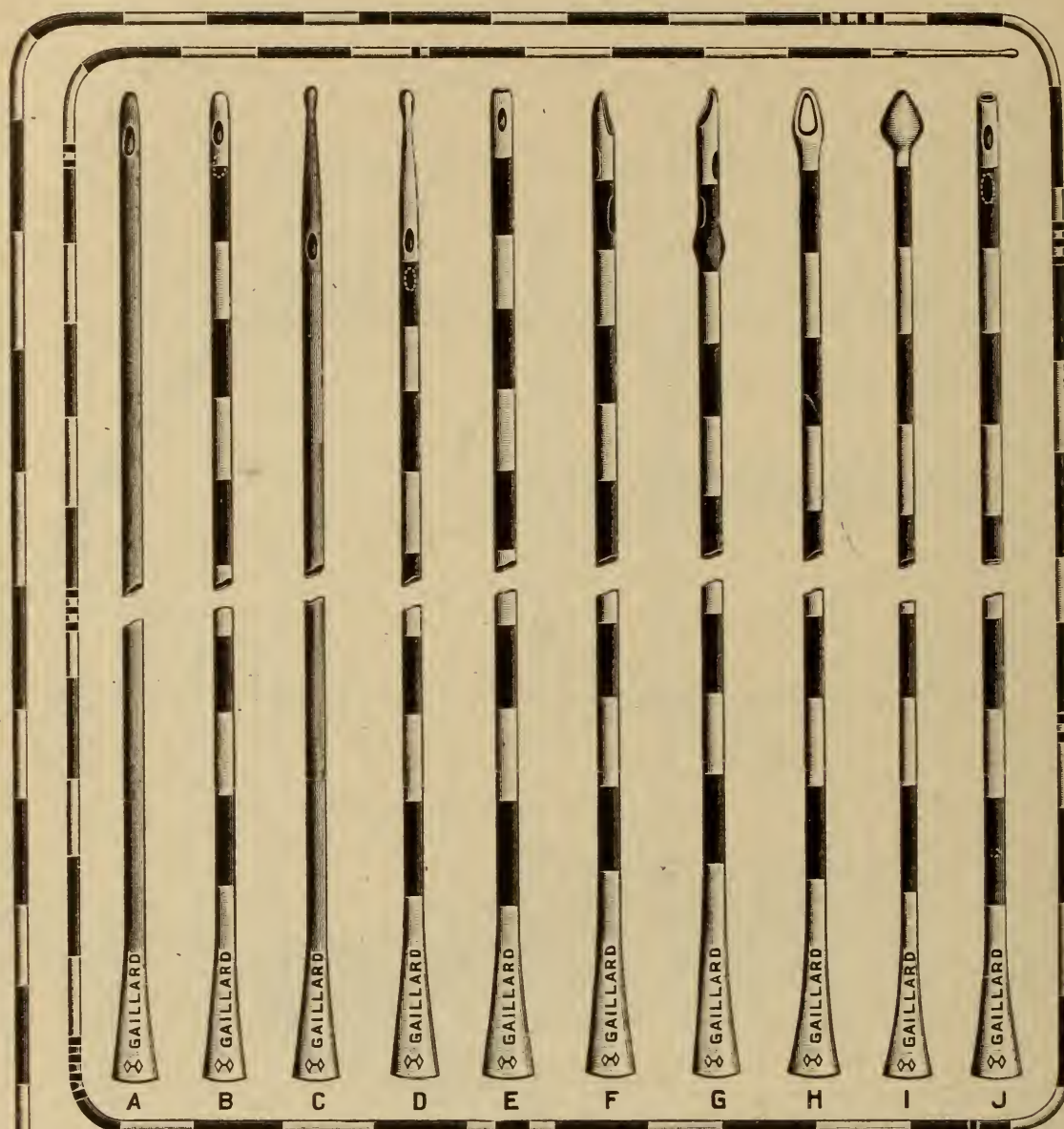
D-1520	Applicator, Kelly's .....	.50
*D-1525	Calibrator, Kelly's, urethral .....	1.00
D-1545	Catheter, Kelly's, with plug and chain.....	1.50
*D-1555	Dilator, Kelly's, urethral, double end, sizes 5 to 20 mm., plated..\$1.50 to	2.00
D-1560	Forceps, Kelly's, delicate, mouse tooth, $9\frac{1}{2}$ inches long.....	2.00
D-1570	Searcher, Kelly's .....	.75
*D-1585	Segregator, Luy's, complete with 6 glass tubes, in metal case.....	40.00

## SCROTAL CLAMPS

*D-1610	Henry's .....	7.50
*D-1615	King's .....	7.25
*D-1616	Lewis' .....	2.25

SCROTAL COMPRESSORS—SEE SUSPENSORIES

## URETERAL INSTRUMENTS



D-1530 D-1535 D-1540 D-1542 D-1544 D-1546 D-1548 D-1552 D-1556 D-1554

### URETERAL CATHETERS

#### Gaillard's Make, Extra Quality

D-1554	Albarran's, cylindrical, open end, improved graduation, silk web.	\$3.25
D-1530	Albarran's, cylindrical, silk web	2.25
D-1535	Albarran's, cylindrical, graduated, silk web	2.75
D-1540	Albarran's, olive point, silk web	2.25
D-1542	Albarran's, olive point, graduated, silk web	2.75
*D-1543	Gaillard's, cylindrical, open end, silk web	2.25
D-1544	Gaillard's, cylindrical, open end, graduated, silk web	2.75
*D-1546A	Gaillard's, whistle end, silk web	2.25
D-1546	Gaillard's, whistle end, graduated, silk web	3.00
D-1548	Gaillard's, oblique and bellied end, graduated, silk web	3.25
D-1552	Gaillard's, double oblique and bellied end, graduated, silk web	4.00
*D-1551	Gaillard's, X-ray, cylindrical, silk web	2.75
*D-1553	Gaillard's, X-ray, olive point, silk web	2.75
*D-1557	Gaillard's, X-ray, whistle end, silk web	3.25
*D-1558	Gaillard's, X-ray, whistle end, graduated, silk web	3.25
*D-1559	Gaillard's, X-ray, duodenal tubes, silk web	4.50
D-1556	Pasteau's, bougie, exploring, graduated, silk web	3.25

Gaillard's ureteral catheters are made in sizes 4, 5, 5½, 6, 6½, 7, 7½ and 8 French scale.

Gaillard's ureteral catheters are made exclusively of a special quality of the finest unbreakable silk web.

Gaillard's ureteral catheters are made with large lumen, insuring rapid and perfect drainage.

D-1530, D-1535, D-1540, D-1542 and D-1546A are carried in stock, other styles being imported on order only.

D-1542



## Section “E”

Gynecic

Hysterectomy

Obstetrical

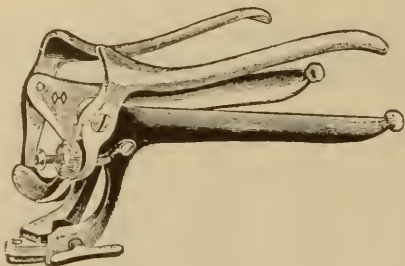
Instrument Satchels

Hand Medicine Cases

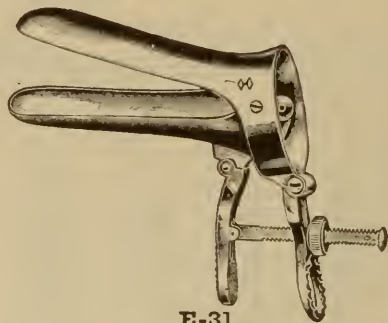
Buggy Medicine Cases

Pocket Medicine Cases

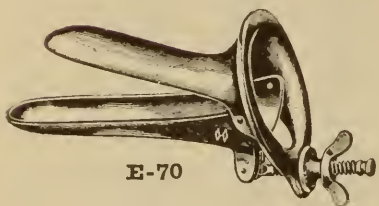
## GYNECIC INSTRUMENTS



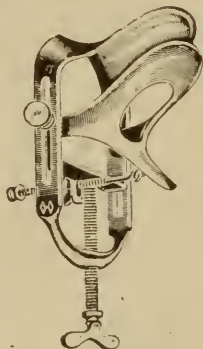
E-67



E-31



E-70



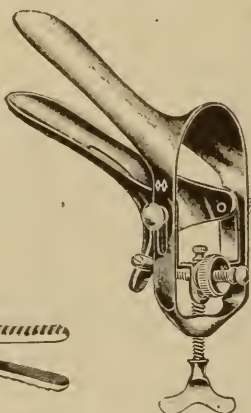
E-15-20



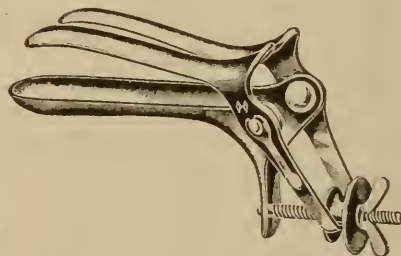
E-30



E-120



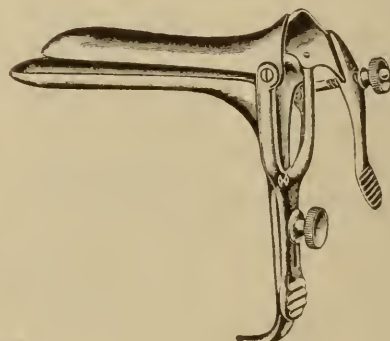
E-65



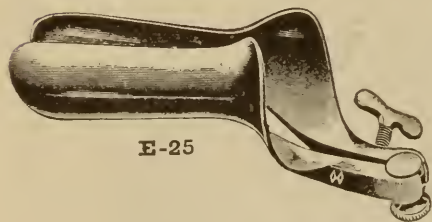
E-95



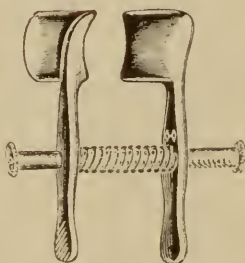
E-85



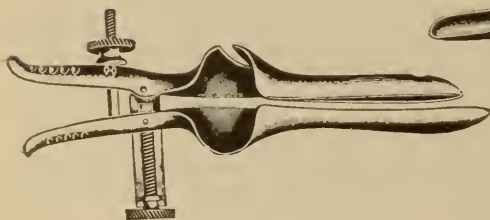
E-50



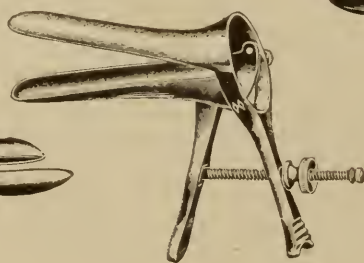
E-25



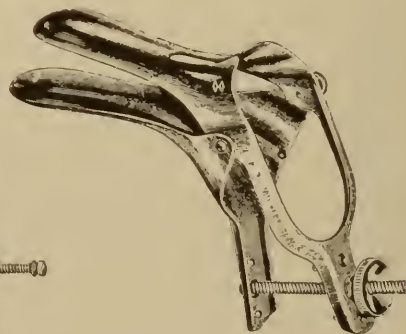
E-5



E-32



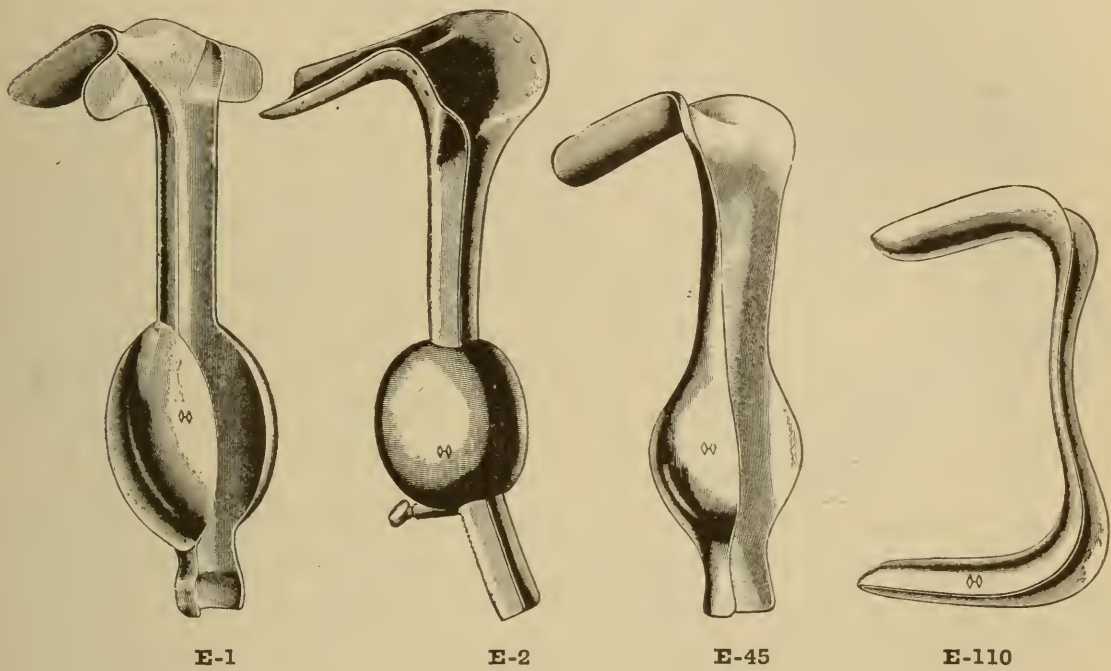
E-28



L-10



GYNECIC INSTRUMENTS



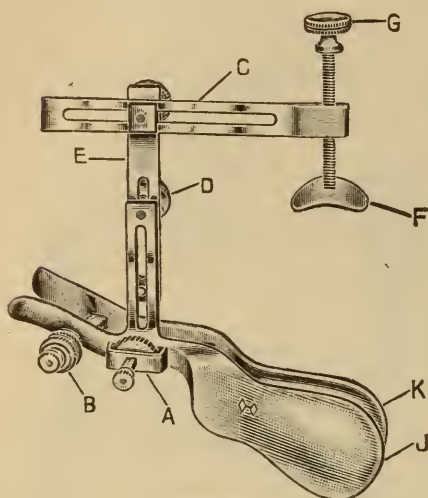
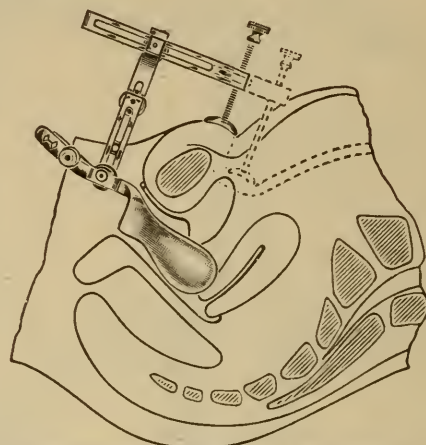
VAGINAL SPECULUMS

E-1	Auvard's, weighted, 1 size .....	\$4.00
E-2	Auvard's, with detachable weight .....	4.50
E-5	Beebe's, lateral, 1 size .....	2.50
*E-6	Beebe's, trivalve, 1 size .....	3.00
E-10	Brewer's, regular, 3 sizes, each .....	2.25
E-12	Brewer's, extra large, 1 size.....	2.75
E-15	Cavana's, regular, 1 size .....	2.75
E-20	Cavana's, operating, 1 size .....	2.75
E-25	Collins', 3 sizes, each .....	2.25
E-30	Cusco's, 3 sizes, each .....	3.00
E-31	Cusco's, latest pattern .....	3.00
E-28	Cusco's, Virgin .....	2.00
E-32	DeVilbiss', regular, 3 sizes, each.....	2.00
*E-34	DeVilbiss', operating, 1 size .....	2.00
*E-34	DeVilbiss', operating, 1 size.....	2.50
*E-40	Edebohl-Miller's, 1 size.....	2.00
E-45	Garrigue's, weighted, 1 size .....	3.50
E-50	Graves', regular, 2 sizes, each.....	2.00
*E-55	Graves', operating, 1 size .....	3.25
E-60	Hale's, virgin .....	2.75
E-65	Hales', regular, 2 sizes, each.....	2.75
E-67	Haslam's, ball bearing, can be used as a trivalve or quadrivalve.....	3.75
E-70	Higbie's, 3 sizes, each .....	2.25
*E-80	Mergler's, virgin, 1 size .....	2.00
E-85	Miller's, 3 sizes, each .....	2.00
E-95	Nott's, 3 sizes, each.....	2.40
*E-105	Rockey's, self-retaining .....	3.50
E-110	Sim's, 5 sizes, each.....	1.35
*E-115	Sims-Blake-White's, 1 size .....	1.50
E-120	Taylor's .....	1.50
*E-125	Thomas-Cusco's, 1 size .....	3.00

## GYNECIC INSTRUMENTS

**E-132. DR. DON H. PALMER'S SELF-RETAINING VAGINAL SPECULUM FOR IMMEDIATE REPAIR OF THE PERINEUM**

Patent Pending

**E-132****Sectional view showing speculum in position.**

The primary repair of the perineum is one of the most important features of the obstetric work of every general practitioner and often one of the most difficult to perform, due to the lack of skilled assistants and the inability to obtain a satisfactory view of the operative field.

To overcome these difficulties I have designed this instrument, which is small, light, simple and self-retaining. It is quickly applied, gives the operator a full view of the anterior and posterior walls, the use of both hands, and immediate repair may be made in an easy, bloodless and satisfactory manner. A glance at this illustration of the instrument together with the sectional view of the anatomy will give a clear conception of the retaining principle. Circular giving full description mailed upon request.

Price .....net \$7.00

**E-134. CAMERON'S VAGINAL SPECULUM**

This instrument is self-retaining and is very simple, consisting of only two pieces of sheet steel, heavily nickel plated over copper. The two parts can be **instantly dismounted** and folded into small space.

When in position the instrument will **automatically lock** at any point desired by pressure made at the distal extremities, which causes the long shank to bind on the margin of the slot.

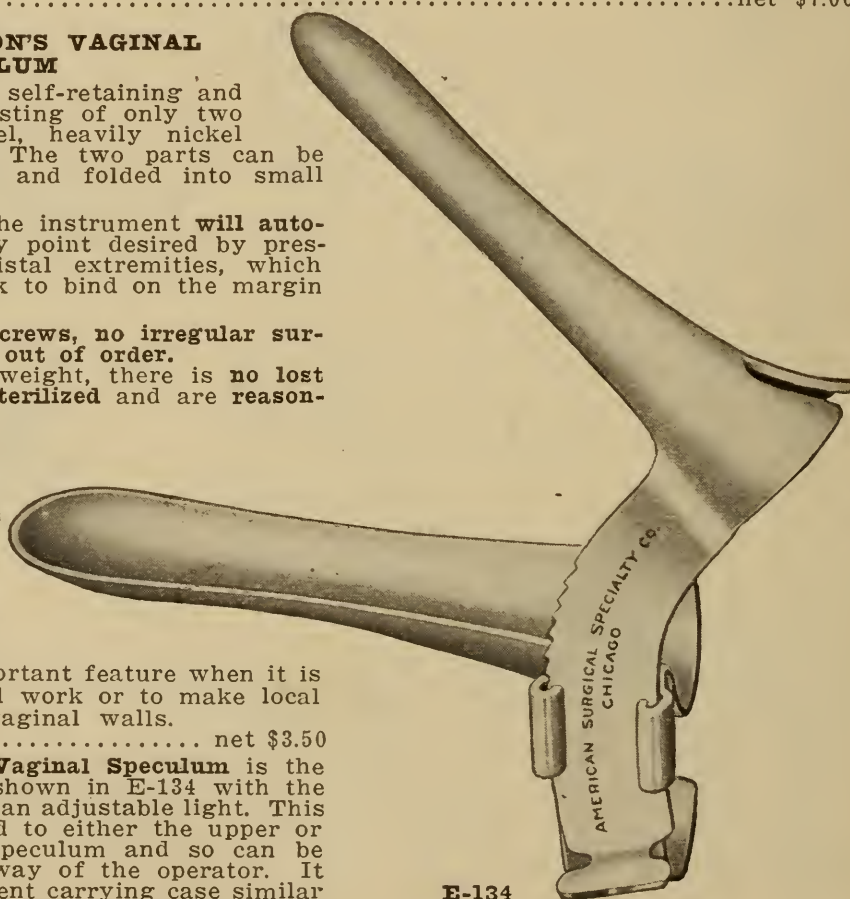
There are **no set screws, no irregular surfaces, nothing to get out of order.**

They are light in weight, there is **no lost motion**, are readily sterilized and are **reasonable in price.**

This speculum will more nearly meet all your requirements than any other. The anterior blade is shorter than the posterior blade. The speculum is so compact that it may be used in any position in the vagina, an important feature when it is desired to do urethral work or to make local applications to the vaginal walls.

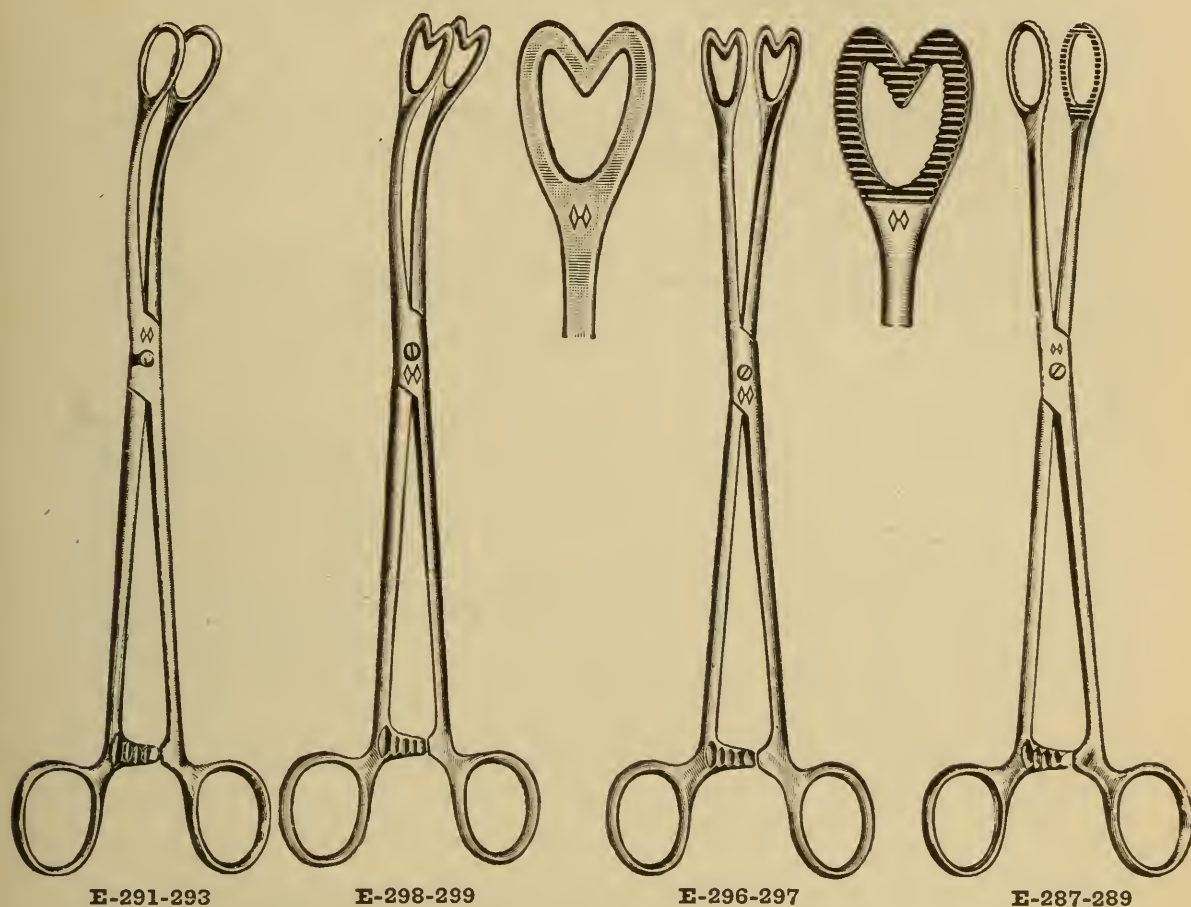
Price .....net \$3.50

**Cameron's Electro-Vaginal Speculum** is the same instrument as shown in E-134 with the additional features of an adjustable light. This light may be attached to either the upper or lower blade of the speculum and so can be mounted out of the way of the operator. It is put up in a convenient carrying case similar to the Electro-Oral Assistant shown on page 345. Price, complete with case, Ever Ready battery and electrical connections.....\$7.50

**E-134**



## GYNECIC INSTRUMENTS



E-291-293

E-298-299

E-296-297

E-287-289

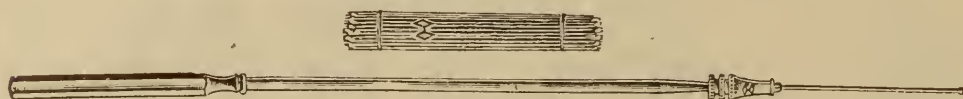
## SPONGE HOLDING FORCEPS

*E-285	Bellevue, plain blade .....	\$2.00
*E-286	Bellevue, serrated blade .....	2.00
E-296	Douglass', straight, 9½ inch, plain jaw.....	2.25
E-297	Douglass', straight, 9½ inch, serrated jaw.....	2.25
E-298	Douglass', curved, 9½ inch, plain jaw.....	2.50
E-299	Douglass', curved, 9½ inch, serrated jaw.....	2.50
E-290	Foster's, Haslam model, straight, 7 inch, plain jaw.....	1.60
E-287	Foster's, Haslam model, straight, 7 inch, serrated jaw.....	1.60
E-301	Foster's, Haslam model, 8 inch, plain jaw.....	1.75
E-288	Foster's, Haslam model, straight, 9½ inch, plain jaw.....	1.85
E-289	Foster's, Haslam model, straight, 9½ inch, serrated jaw.....	2.00
E-291	Foster's, Haslam model, curved, 7 inch, plain jaw.....	1.85
E-292	Foster's, Haslam model, curved, 7 inch, serrated jaw.....	2.00
E-293	Foster's, Haslam model, curved, 9½ inch, plain jaw.....	1.85
E-294	Foster's, Haslam model, curved, 9½ inch, serrated jaw.....	2.00
*E-295	Haslam's, combined sponge, dressing and seizing.....	2.50
*E-300	Kelly's .....	2.50
*E-302	Polk's .....	2.40
*E-303	Wilson's, serrated blades .....	2.00

## SPONGE HOLDERS

*E-305	Husson's .....	.40
*E-310	Plain, straight .....	.35
*E-315	Plain, curved .....	.35

## GYNECIC INSTRUMENTS



E-190

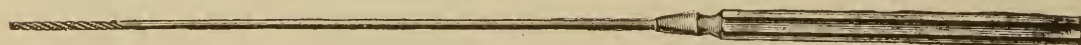


M. N. W. CO.

E-230



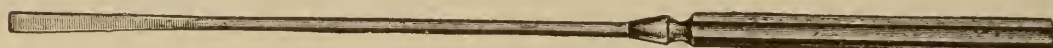
E-208



E-160



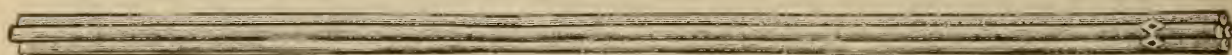
E-165



E-175



E-170



E-197



E-185



E-180



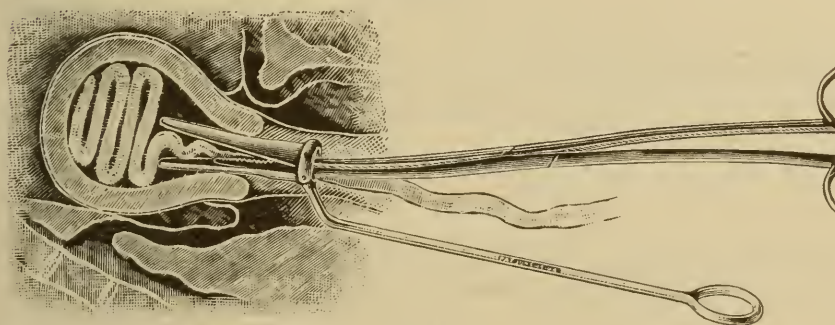
## GYNECIC INSTRUMENTS



E-215



E-220



E-235



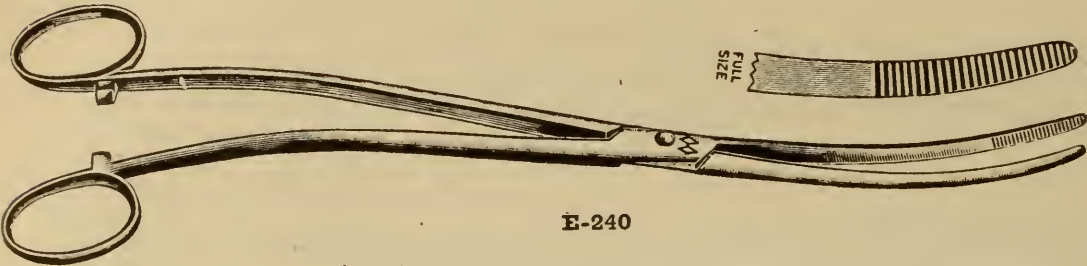
E-210

## APPLICATORS AND PACKERS

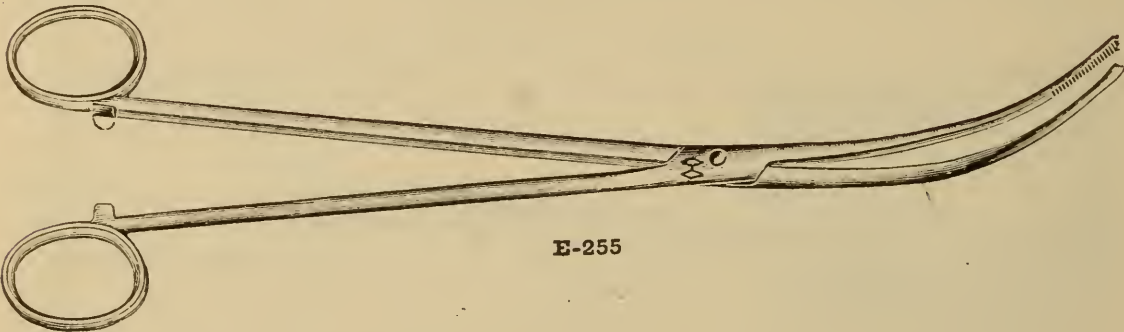
E-160	Applicator, plain, rough end, aluminum, .20; plated.....	\$0.20
E-165	Applicator, plain, spiral end, aluminum, .20; plated.....	.20
E-170	Applicator, plain, triangular, aluminum, .20; plated.....	.20
E-175	Applicator, plain, flat end, aluminum, .20; plated.....	.20
E-180	Applicator, plain, aluminum, 3 sizes .....	each .15
E-185	Applicator, Emmet's, with slide, plated, .60; silver.....	1.25
E-190	Applicator, Martin's, with 100 nails.....	1.25
*E-195	Applicator, Saenger's, heavy, flat end.....	1.00
E-197	Applicators, wood, 500 in bundle .....	1.25
E-208	Gauze Packer, Bernay's, uterine .....	.50
E-210	Gauze Packer, Haslam's, vaginal, 8½ in. long, 13-32 in. diameter.....	1.00
E-215	Gauze Packer, Haslam's, uterine, 12 inches long, 3-16 in. diameter.....	1.00
E-220	Gauze Packer, Haslam's, uterine, 12 in. long, 5-16 in. diameter.....	1.10
*E-225	Haslam's Gauze Packing Set, consisting of 1 uterine gauze packer, 1 bottle borated gauze, 1 bottle sublimated gauze, 1 bottle iodoform gauze and 1 bottle of antiseptic tablets, complete in box.....	2.75
Obturators can be furnished with these packers at an added cost of 25 cents each.		
E-230	Gauze Packer, Kelly's, trident.....	.75
E-235	Gauze Packer, McDade's, cervical director .....	1.75

This is the latest and most improved invention for packing the uterus to prevent hemorrhage. To introduce gauze through the McDade Cervical Director any ordinary blunt instrument or dressing forceps may be used to push the gauze forward. The jaws close automatically, thus preventing gauze from being drawn back.

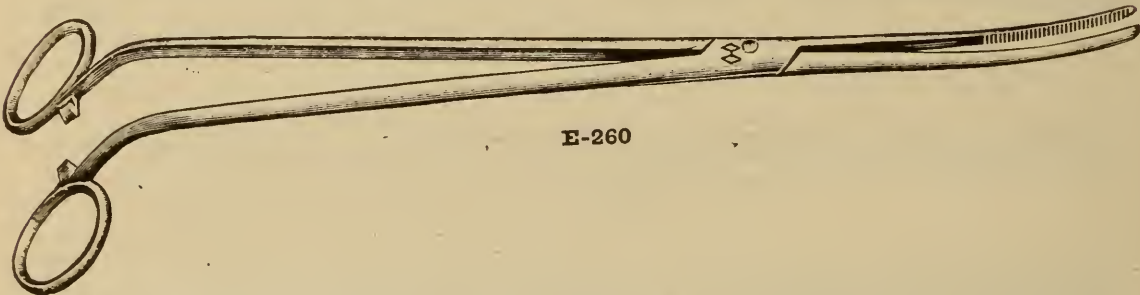
GYNECIC INSTRUMENTS



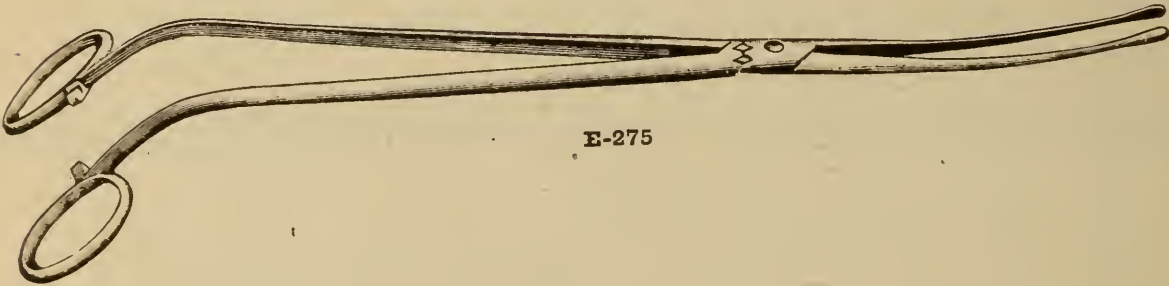
E-240



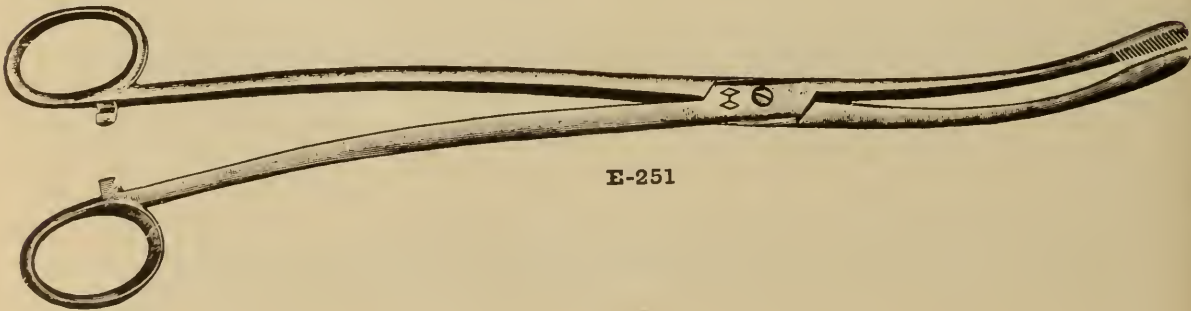
E-255



E-260



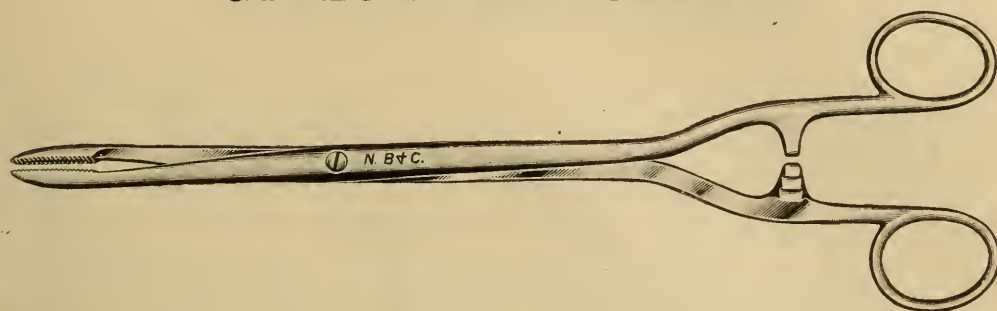
E-275



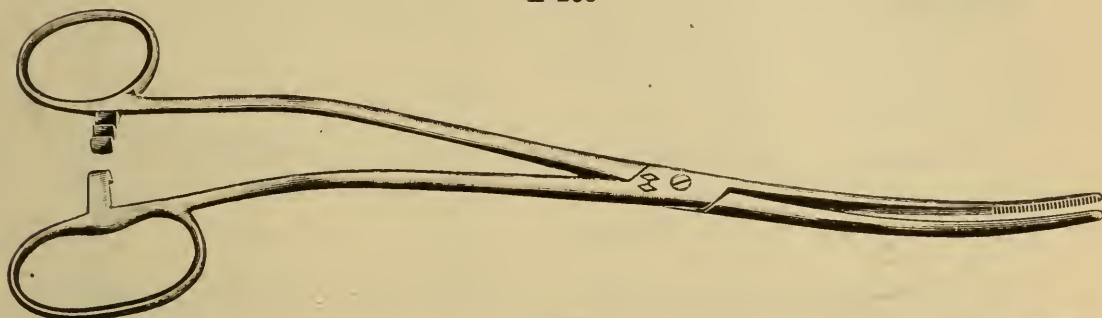
E-251



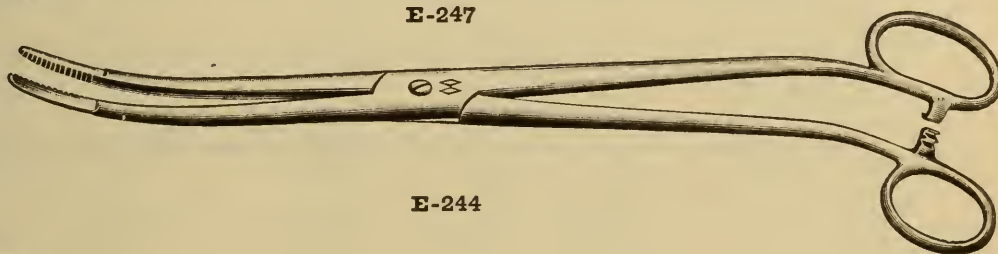
## GYNECIC INSTRUMENTS



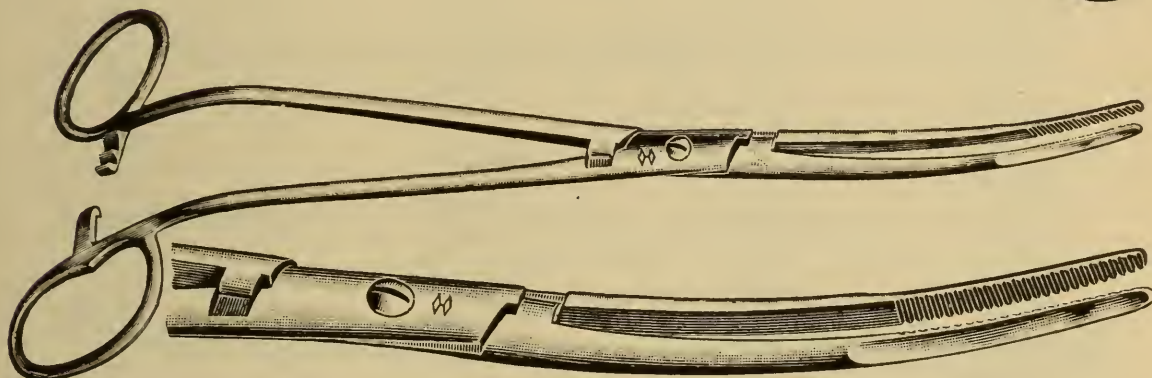
E-266



E-247



E-244



E-253

## UTERINE DRESSING FORCEPS

*E-238	Barrett's, packing .....	\$1.85
E-240	Bozeman's, original model, serrated jaw.....	2.00
*E-241	Bozeman's, original model, concave jaw.....	2.00
*E-241A	Bozeman's, original model, smooth flat jaw.....	2.00
E-247	Bozeman's, improved model, serrated jaws.....	2.00
*E-247A	Bozeman's, improved model, concave jaw.....	2.00
*E-248	Bozeman's, improved model, smooth flat jaw.....	2.00
E-251	DeLee's, heavy packing .....	3.00
E-244	Douglass-Bozeman's, improved model, with triangular point, serrated jaws .....	2.00
*E-252	Douglass-Bozeman's, improved model, with triangular point, smooth jaws .....	2.00
E-253	Douglass-Bozeman's, improved model, Truefit, with triangular point and serrated jaw .....	2.50
*E-245	Elliott's, straight .....	1.75
*E-246	Elliott's, with bent handles .....	1.75
*E-250	Emmet's, with slide catch .....	2.25
E-255	Garrigue's, packing .....	2.50
E-260	Harvey's .....	2.00
*E-262	Leonard's .....	2.00
E-266	Rothrock's .....	1.50
*E-270	Schroeder's .....	1.90
E-275	Thomas' .....	2.00
*E-280	Walcher's, 12 inch.....	2.00
*E-267	Vaughan-Douglass' .....	2.00

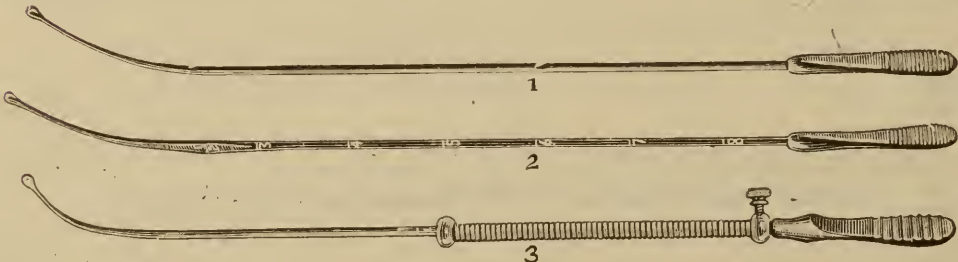
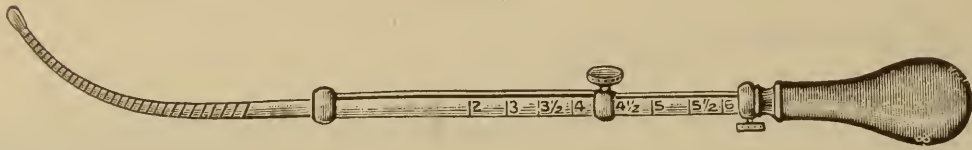
GYNECIC INSTRUMENTS



E-352



E-375



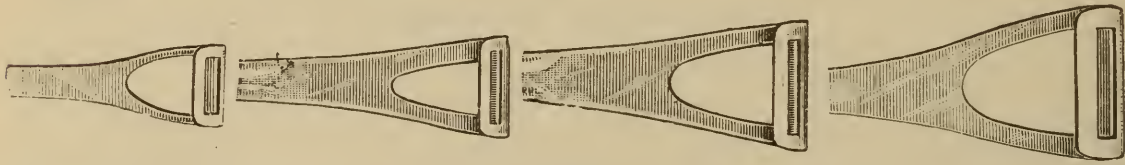
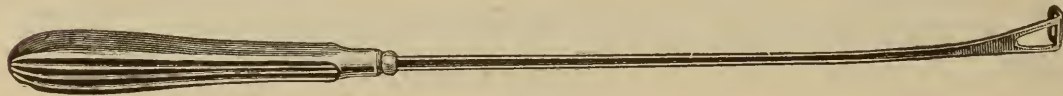
E-362-380-385



E-325



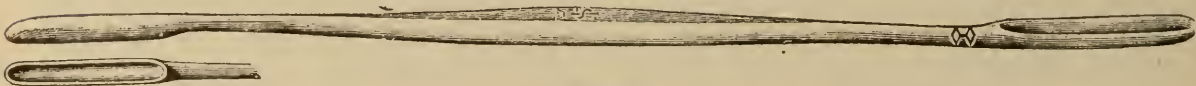
E-355-360



E-425



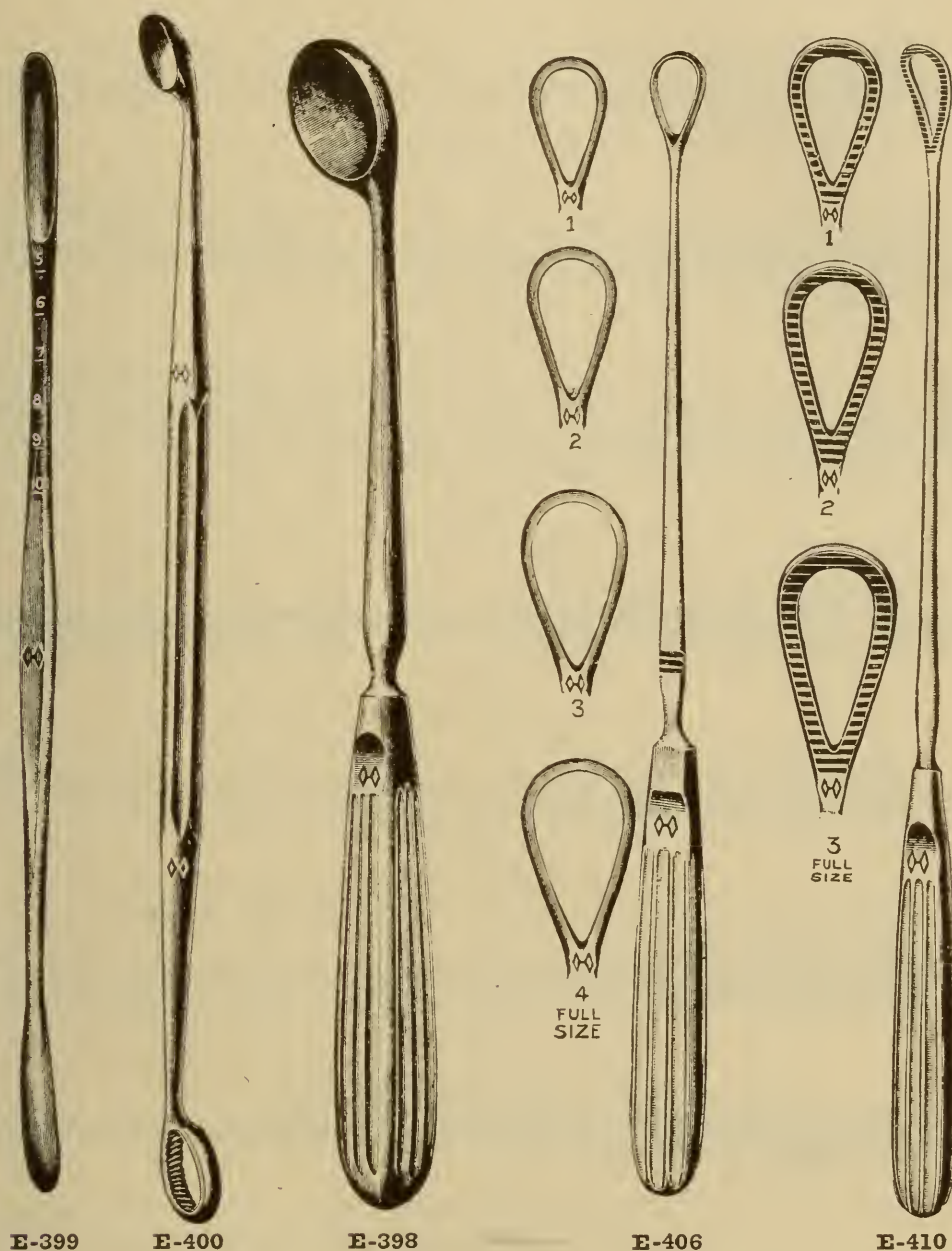
E-395



E-428



## GYNECIC INSTRUMENTS



E-399

E-400

E-398

E-406

E-410

## SYRINGES, SOUNDS AND CURETTES

E-325	Applicating Syringe, Braun's .....	\$1.50
*E-330	Applicating Syringe, hard rubber, ½ oz., 90c; 1 oz., \$1.25; 2 oz.....	1.50
*E-335	Applicating Syringe, Kelly's, silver, with flexible silver tube.....	4.50
*E-340	Applicating Syringe, Woodward's, with flexible silver tube.....	3.50
*E-345	Elevator, Elliott's, with elastic web cover.....	3.00
*E-350	Elevator, Elliott's, all metal, spiral .....	3.00
E-352	Elevator, Haslam's, all metal, aseptic .....	3.00
E-355	Probe, Sims', plated or aluminum, each.....	.35
E-360	Probe, Sims', silver .....	1.25
E-362	Sound, Fitch's, Fig. 3 .....	1.00
E-370	Sound, Jenks', spiral .....	2.50
E-375	Sound, Martin's .....	1.25
E-380	Sound, Simpson's, graduated .....	.50
E-385	Sound, Sims' .....	.35
E-395	Curette, Blake's, double, blunt and sharp.....	1.75
E-398	Curette, Boldt's, carcinoma, sharp .....	4.00
E-399	Curette, Boldt's, double, blunt, graduated.....	3.00
E-400	Curette, Burt's, double .....	2.25
E-406	Curette, Goelet's, flexible, shank, 4 sizes, each.....	1.50
E-410	Curette, Green's, serrated, 3 sizes, each.....	1.25
E-425	Curette, Langstaff's, 4 sizes, each .....	2.00
E-428	Curette, Martin's, double end, blunt.....	2.00
*E-430	Curette, Recamier's, sharp, 6 sizes, each.....	2.50

## GYNECIC INSTRUMENTS



E-462



E-460



E-465



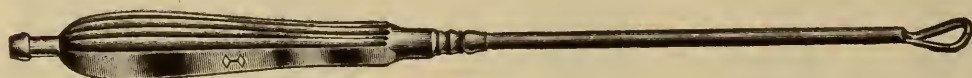
E-500



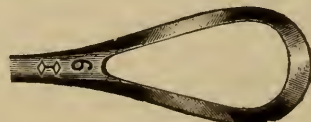
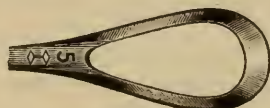
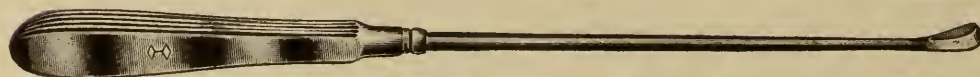
E-495



E-490



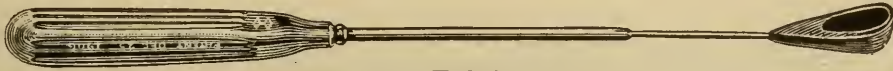
E-505



E-455



## GYNECIC INSTRUMENTS



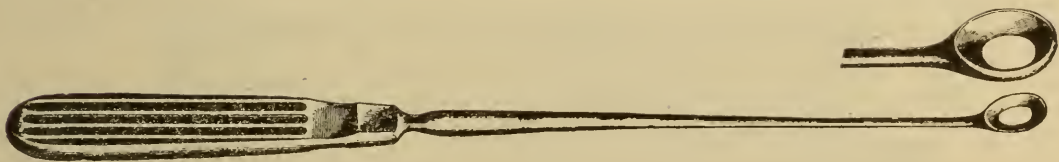
E-442



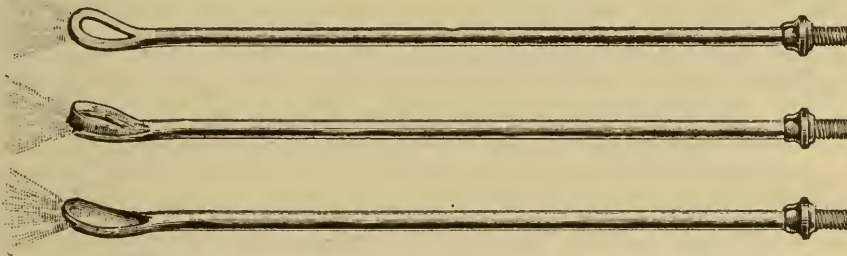
E-475



E-440



E-435



E-481

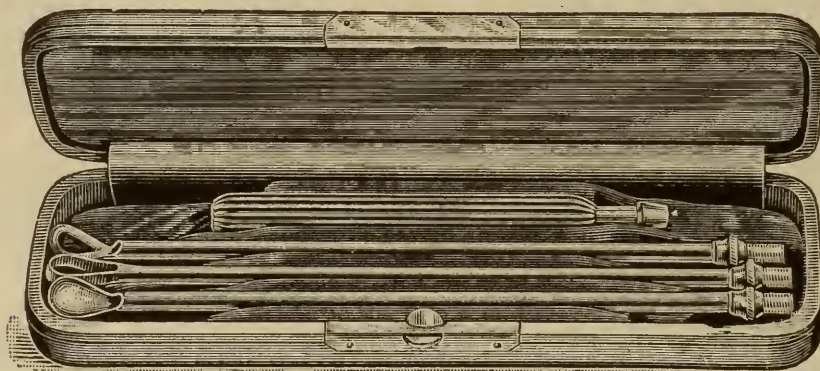
## UTERINE CURETTES

E-435	Curette, sharp, fenestrated, pliable shank, 3 sizes, each.....	\$2.25
E-440	Curette, sharp, solid, steel, 3 sizes, each.....	2.25
E-442	Reavley's, with soft rubber spoon.....	2.00
*E-445	Simon's, sharp, 6 sizes, each.....	2.10
*E-450	Simon's, blunt, 6 sizes, each.....	2.10
E-455	Sims', sharp, 6 sizes, each.....	1.25
E-460	Skene's, blunt, 3 sizes, each.....	1.25
E-462	Stevens', expandible, Haslam model.....	3.00
This instrument is made with flat steel loop which can be made narrow or wide by set screw at end of handle. A practical instrument.		
E-465	Thomas', blunt, 3 sizes, each.....	1.25
*E-470	Volkman's, sharp.....	2.00
E-475	Wylie's, sharp, 3 sizes, each.....	1.75
*E-496	Dewee's, plain loop.....	2.00

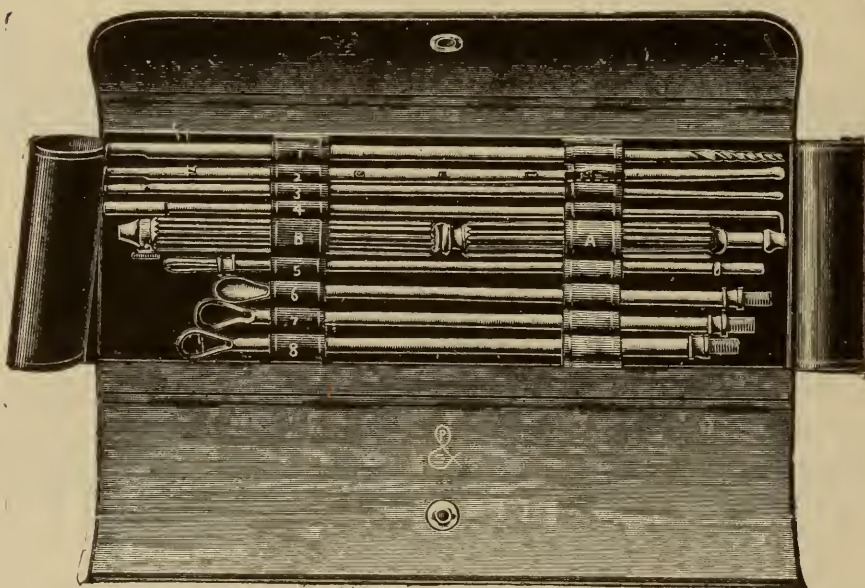
## RINSING CURETTES

*E-480	Clark's, set of 3, in case.....	3.50
E-481	Clark's, set of 3 with 1 handle.....	2.50
*E-482	Clark's, set of 3, with 1 handle, in paper box.....	2.75
*E-483	Clark's, set of 3, with 1 handle in case with aluminum rack.....	3.50
*E-485	Holbrook's, set of 2, with 1 handle.....	4.00
E-490	Sims', 3 sizes, each.....	1.50
E-495	Skene's, 3 sizes, each.....	1.50
E-500	Thomas', 3 sizes, each.....	1.50
E-505	Combined Set, 3 curettes with 1 large handle, best quality.....	2.50
E-503	Reinstetter's.....	1.50

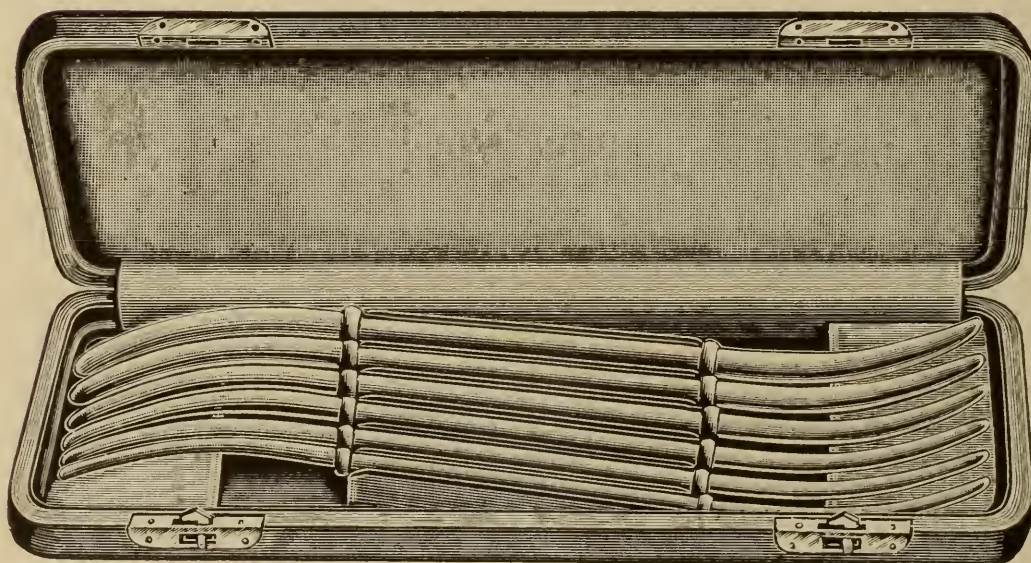
## GYNECIC INSTRUMENTS



E-510



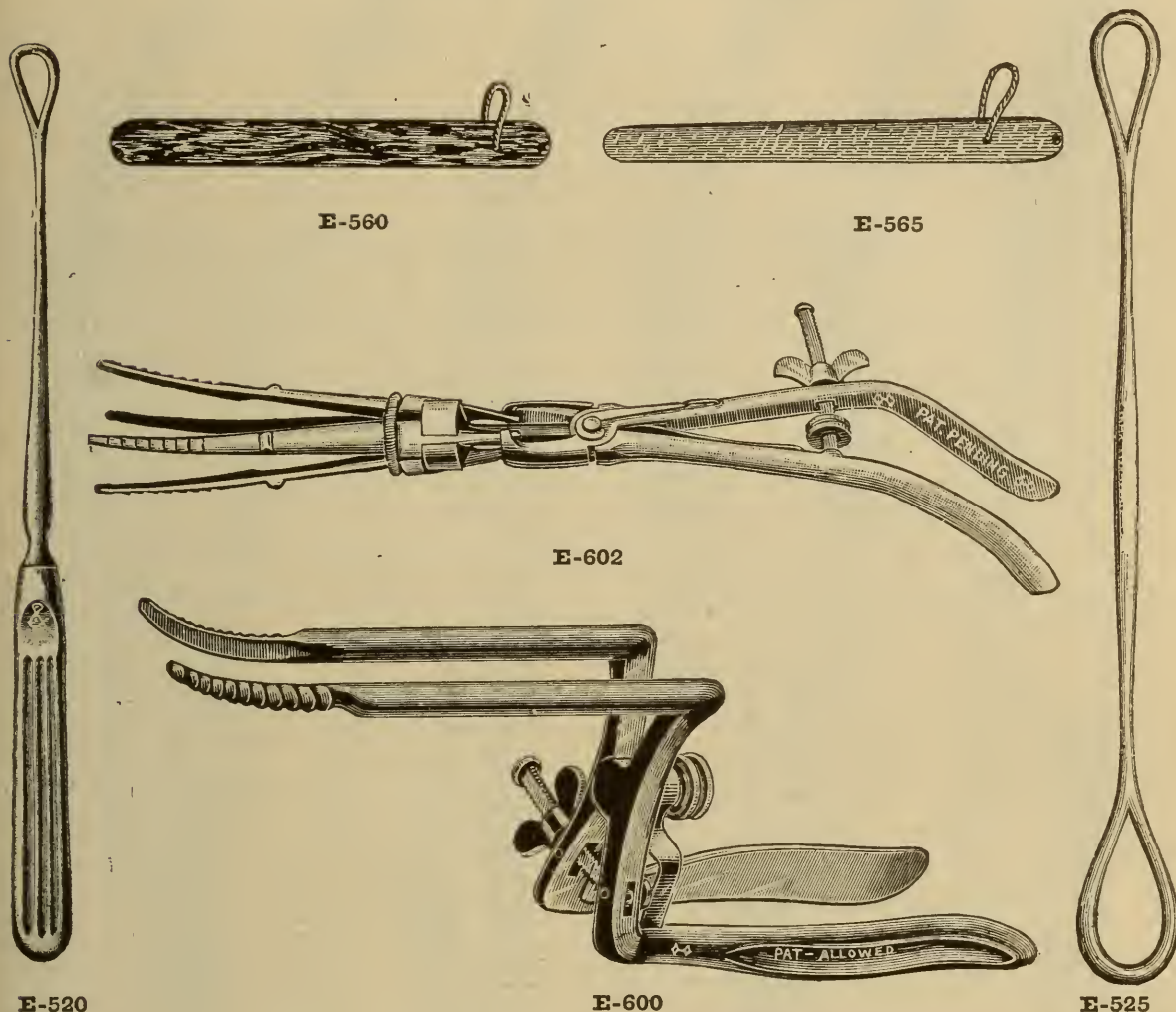
E-515



E-530



## GYNECIC INSTRUMENTS



## CURETTES

E-510	Set of 3 rinsing curettes, 1 sharp, 1 dull, and 1 spoon in leather covered, satin-lined case .....	\$ 2.25
*E-512	Set of 3 rinsing curettes, 1 sharp, 1 dull, and 1 spoon in paper box.....	1.50
E-515	Berlin Gynaecological Set, consisting of 3 rinsing curettes, 1 tenaculum, 1 probe, 1 Simpson's sound, 1 applicator, 1 sponge holder, and 2 handles, in flexible morocco case.....	3.50

## DEPRESSORS

E-520	Braun's .....	2.50
E-525	Sims', double ended .....	1.25

## DILATORS

E-530	Hank's, set of 6 metal dilators, in case.....	7.75
*E-535	Outerbridge's, set of 6 dilating stems, 3 straight and 3 curved, with introducer .....	3.00
*E-540	Outerbridge's, dilating stems, straight, 3 sizes, each.....	.35
*E-545	Outerbridge's, dilating stems, curved, 3 sizes, each.....	.35
*E-550	Sims', vaginal, glass, 6 sizes, each.....	.40
*E-555	Sims', vaginal, hard rubber, 4 sizes, each.....	1.10
E-560	Tent's, sea tangle, solid, per doz., \$1.25; hollow, per doz.....	1.50
E-565	Tent's, sponge, straight, per doz., \$1.50; curved, per doz.....	2.75
*E-570	Tent's, tupelo wood, solid, per doz., \$1.25; hollow, per doz.....	1.50
E-600	Richter's, with parallel dilating blades.....	6.50
E-602	Richter's, with 4 dilating blades.....	18.00

## GYNECIC INSTRUMENTS

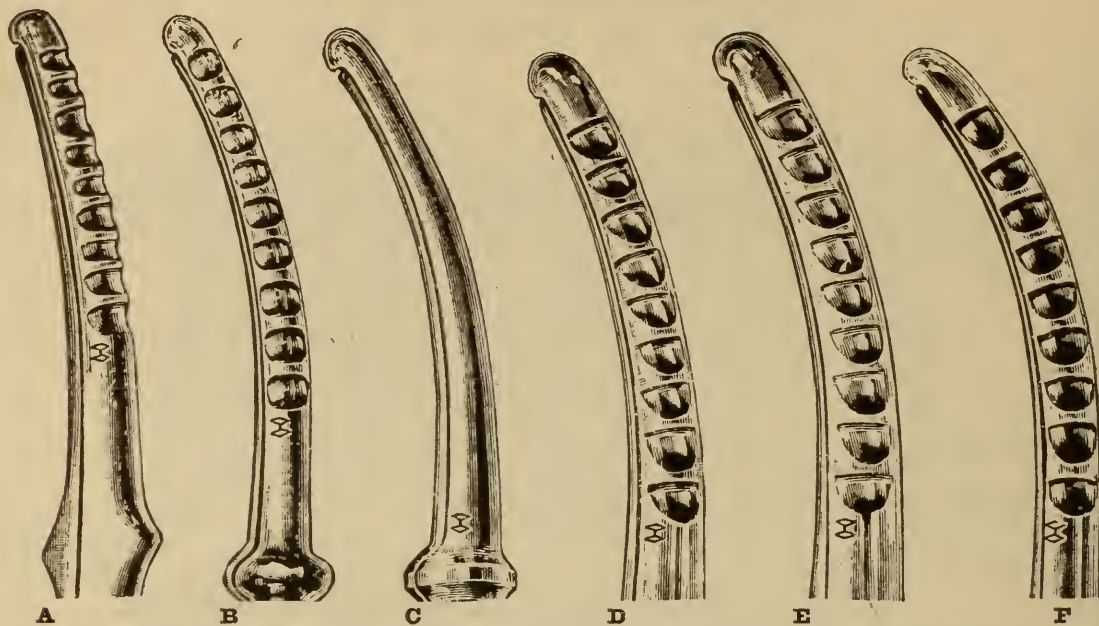
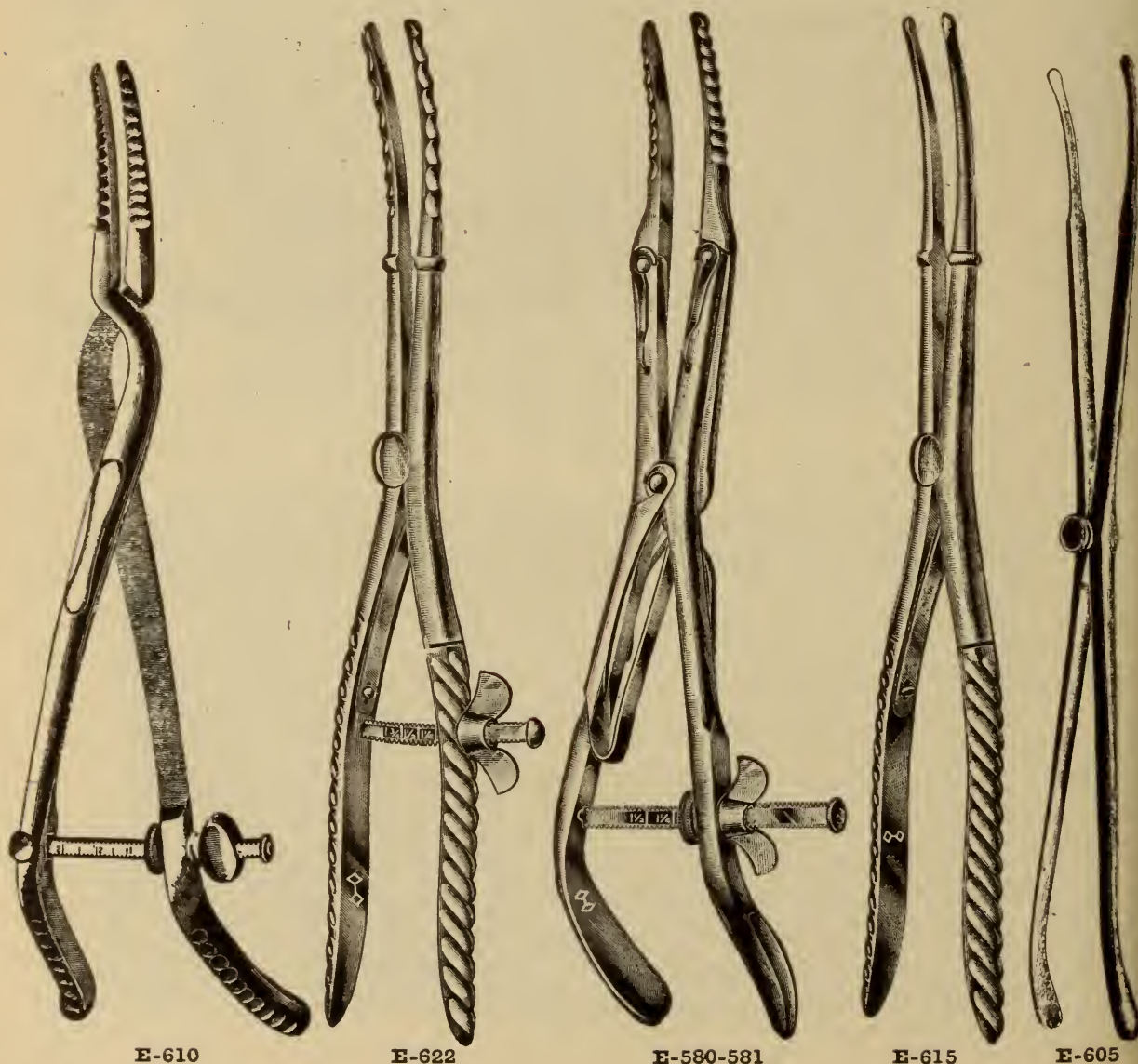


Illustration at top of page shows full size of dilator blades. A, Palmer's improved; B, Wylie's serrated; C, Wylie's plain; D, Goodell's small; E, Goodell's large; F, Wathen's.



E-610

E-622

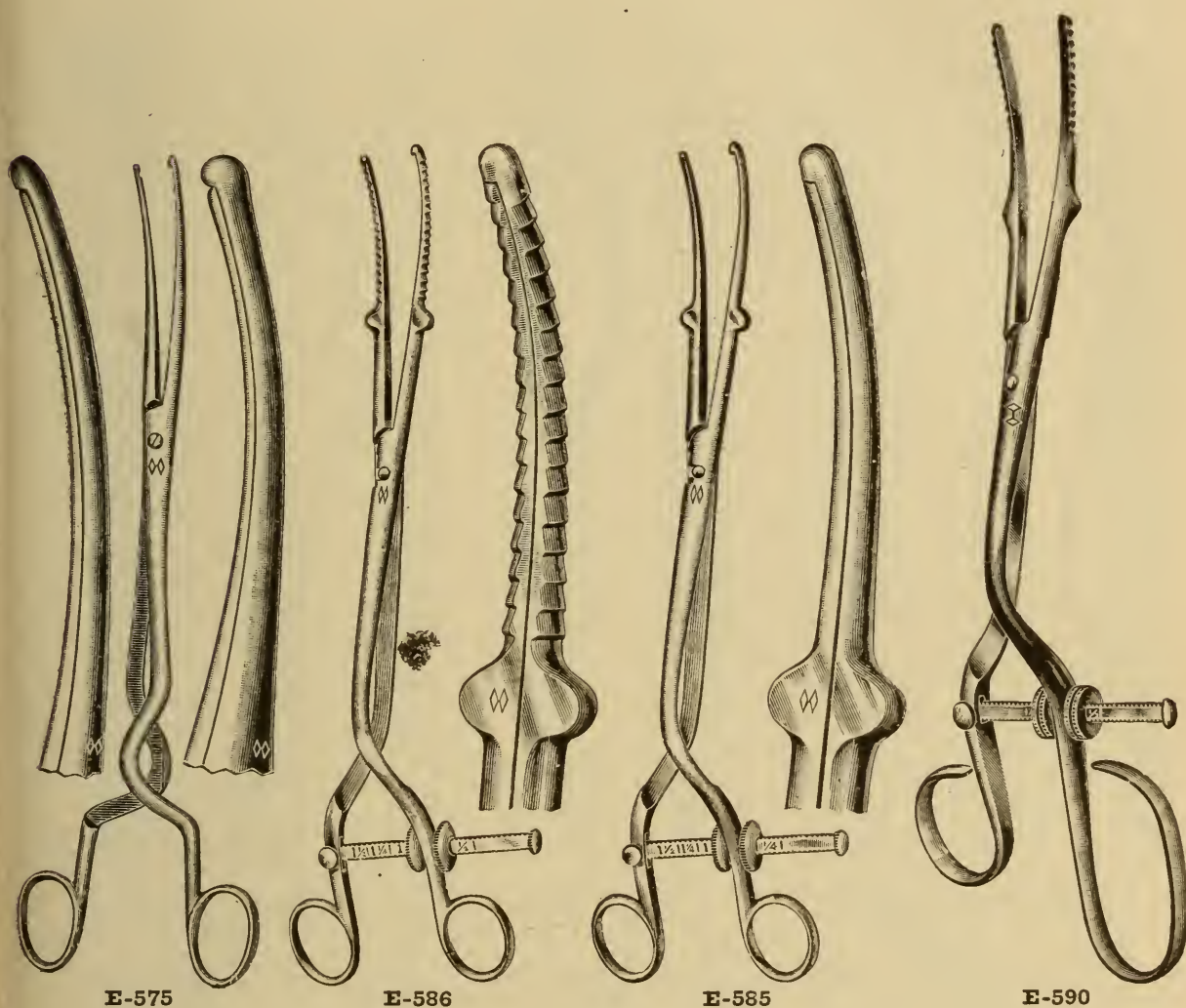
E-580-581

E-615

E-605



## GYNECIC INSTRUMENTS

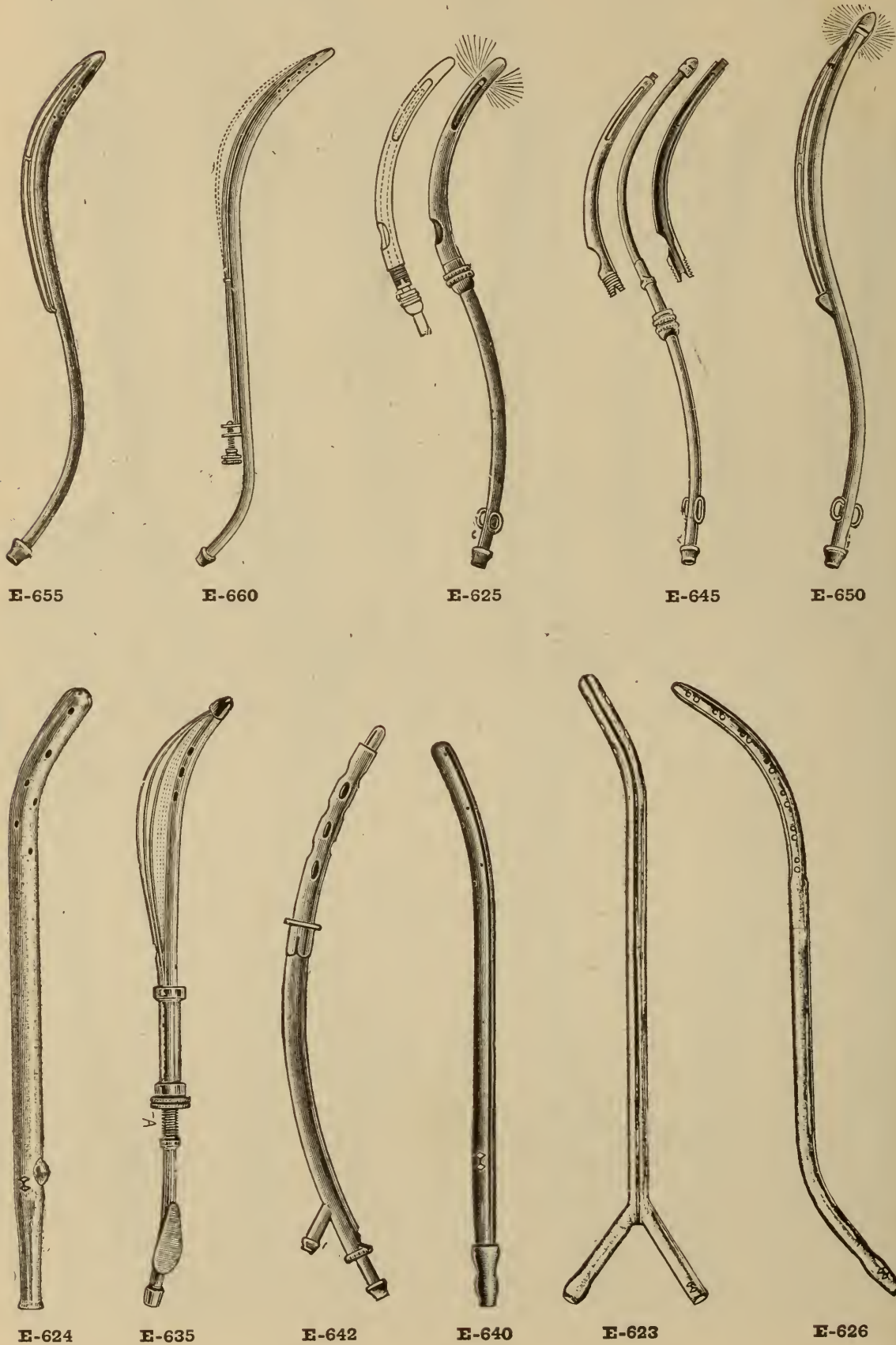


## UTERINE DILATORS

E-577	Atlee's slender blades .....	\$2.50
E-580	Goodell's, small blades, Fig. D.....	6.00
E-581	Goodell's, large blades, Fig. E.....	6.00
*E-583	Nott's .....	2.25
E-585	Palmer's, Haslam model, plain blades .....	3.00
E-586	Palmer's, Haslam model, serrated blades .....	3.00
E-590	Palmer's, improved, Haslam model, Fig. A.....	3.50
*E-595	Pryor's .....	3.00
E-605	Starlinger's, double end .....	2.00
E-610	Wathen's, Fig. F.....	3.75
E-615	Wylie's, with plain blades, Fig. C.....	2.75
*E-617	Wylie's, with serrated blades, Fig. B.....	2.75
*E-620	Wylie's, with setscrew, plain blades, Fig. C.....	3.25
E-622	Wylie's, with setscrew, serrated blades, Fig. B.....	3.25

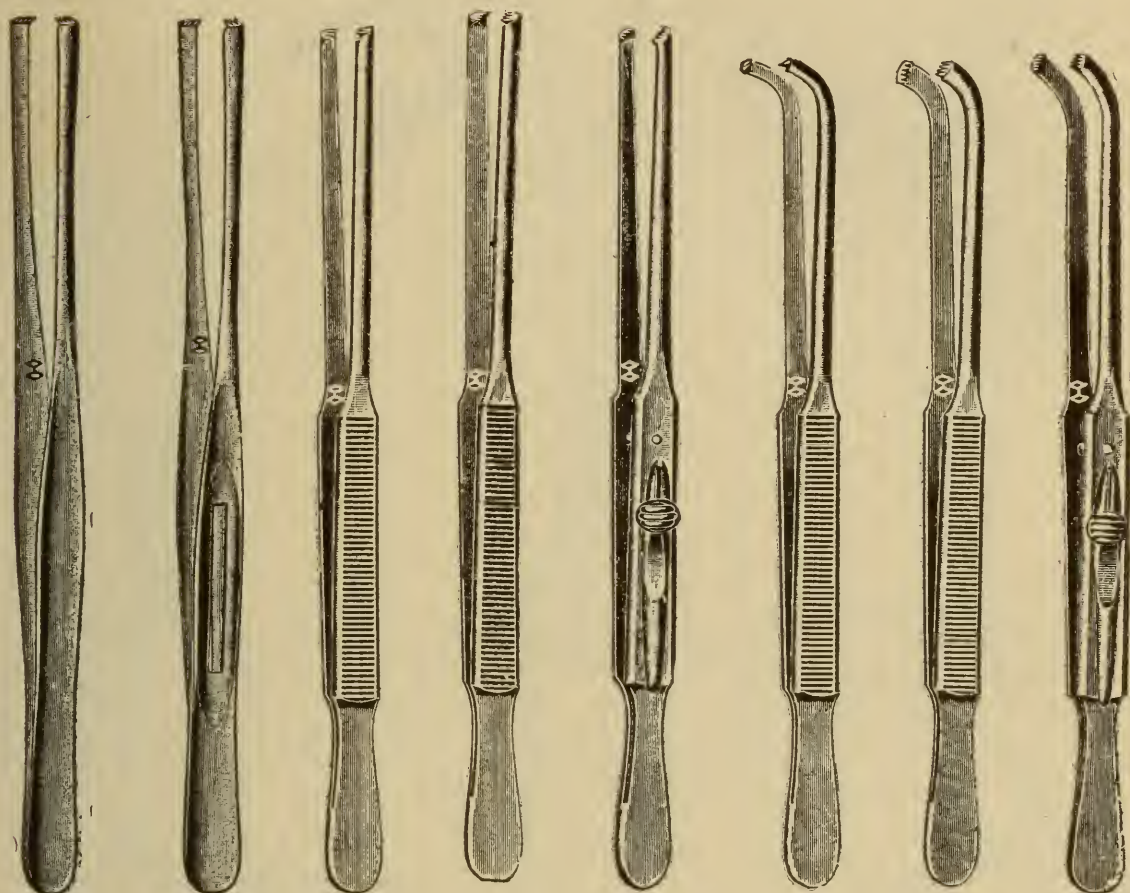
Note.—We call special attention to the Douglass point that we use on our uterine dilators. This point is well shown in Figs. A, B, C, D, E and F. It has two distinct advantages: first, an easy introduction; secondly, it eliminates the danger of pinching the tissues in withdrawal. We furnish this point with all our dilators unless otherwise specified.

GYNECIC INSTRUMENTS





## GYNECIC INSTRUMENTS



E-680

E-685

E-700

E-705

E-742

E-715

E-730

E-744

## GLASS UTERINE DOUCHE TUBES

E-623	Chamberlain's .....	\$1.20
E-624	Plain .....	.40
E-626	Toporski's .....	.90

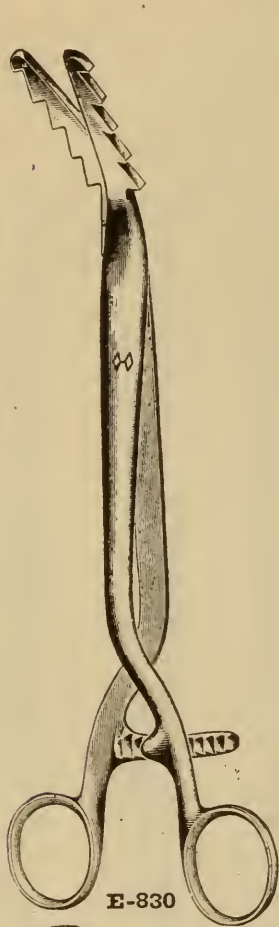
## METAL UTERINE DOUCHE TUBES

E-625	Bozeman's .....	1.75
*E-630	Bozeman's, extra large.....	2.50
E-635	Climax .....	2.25
E-640	Edgar's .....	2.25
E-642	Glasgow's .....	1.35
E-645	Kelly's, aseptic .....	2.50
E-650	Langstaff's .....	1.50
E-655	Leonard's .....	1.00
E-660	Leonard's, dilating .....	1.50
*E-665	Reade-Jennison's .....	2.50
*E-670	Talley's, same as Leonard's, very small.....	1.50

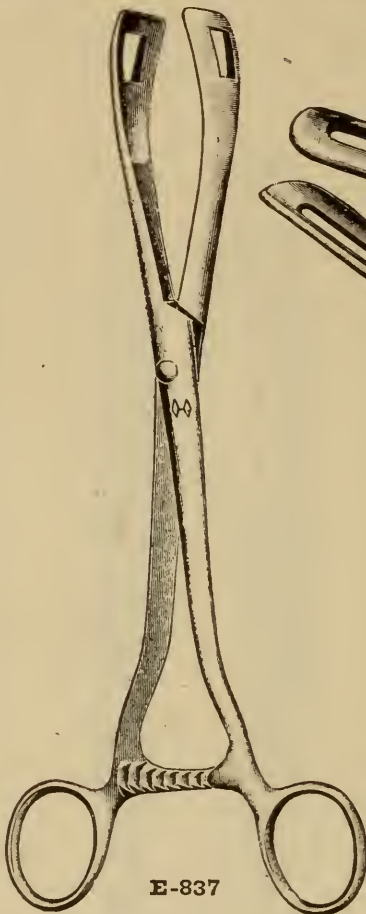
## TISSUE FORCEPS

E-680	Kelly's, 9 inches long, plain handle, 4 and 5 teeth.....	2.25
E-685	Kelly's, 9 inches long, fenestrated handle, 4 and 5 teeth.....	2.25
*E-695	Plain, straight, 8 inches long, 1 and 2 teeth.....	1.20
E-700	Plain, straight, 8 inches long, 2 and 3 teeth.....	1.35
E-705	Plain, straight, 8 inches long, 3 and 4 teeth.....	1.50
*E-710	Plain, straight, 8 inches long, 4 and 5 teeth.....	1.75
E-715	Plain, curved, 8 inches long, 1 and 2 teeth.....	1.35
*E-720	Plain, curved, 8 inches long, 2 and 3 teeth.....	1.50
*E-725	Plain, curved, 8 inches long, 3 and 4 teeth.....	1.75
E-730	Plain, curved, 8 inches long, 4 and 5 teeth.....	2.00
E-742	Slide Catch, straight, 8 inches long, 4 and 5 teeth.....	2.50
E-744	Slide Catch, curved, 8 inches long, 4 and 5 teeth.....	2.60

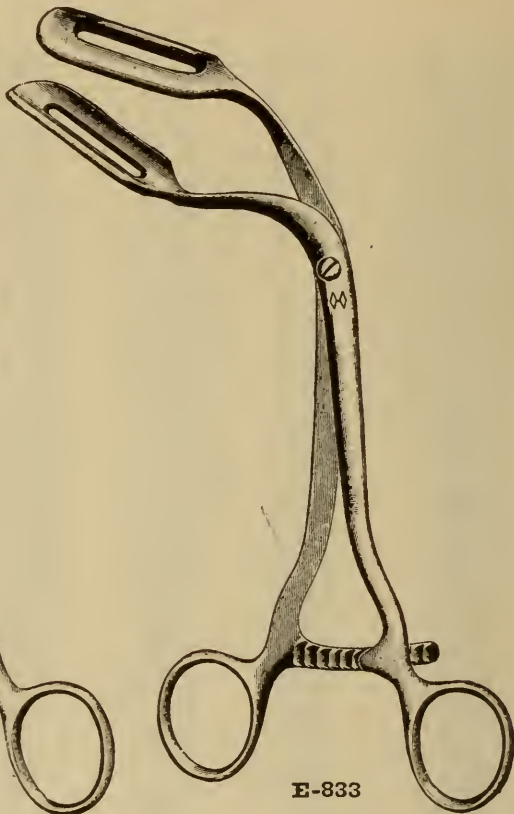
GYNECIC INSTRUMENTS



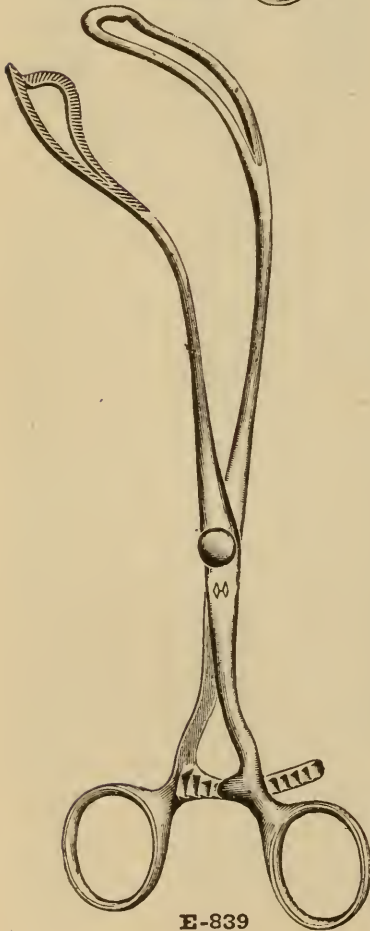
E-830



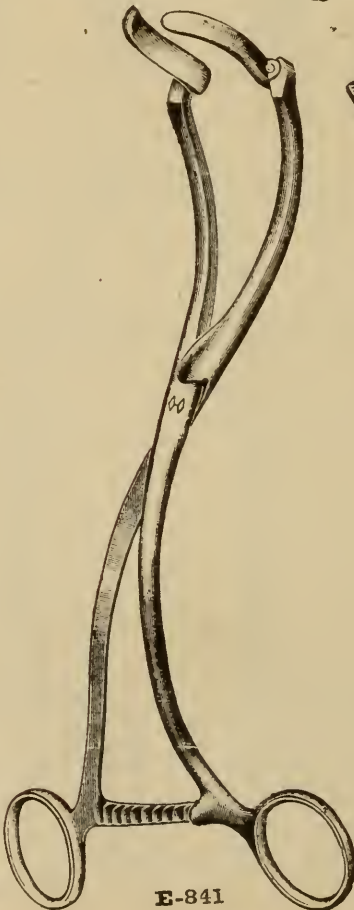
E-837



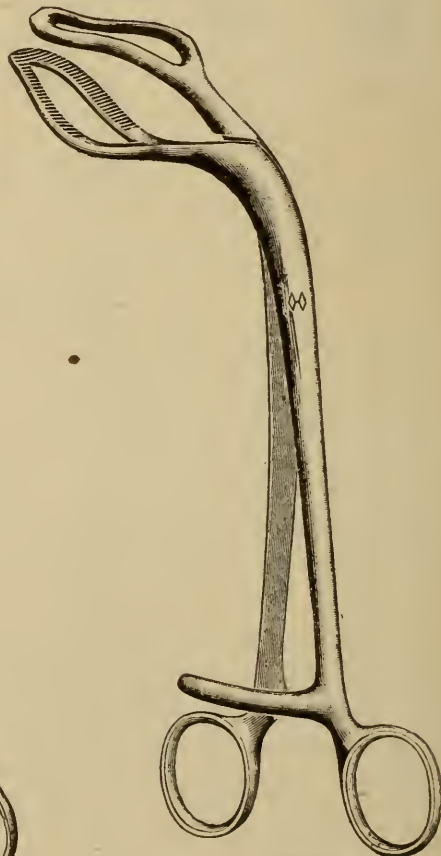
E-833



E-839



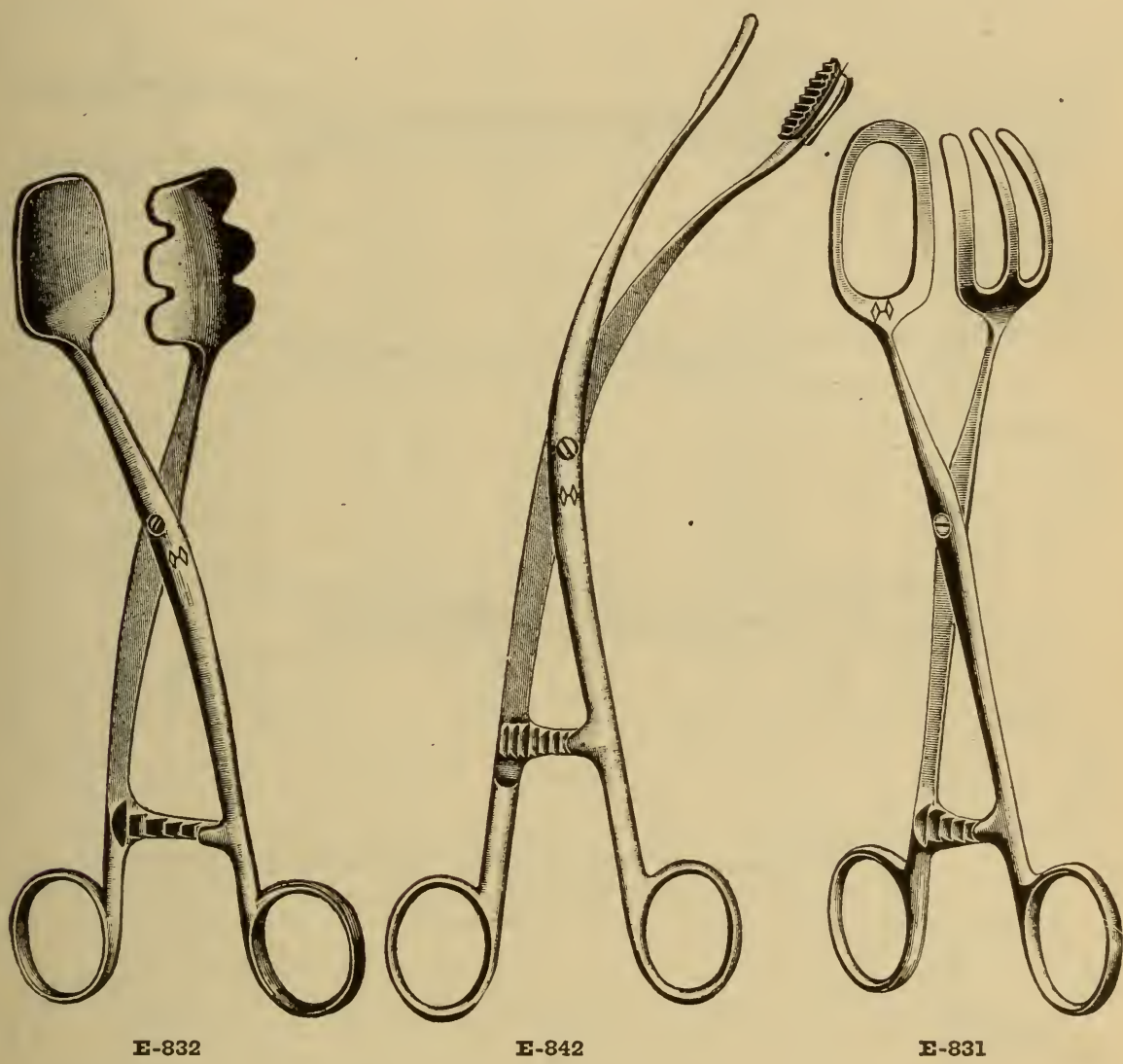
E-841



E-834



GYNECIC INSTRUMENTS



E-832

E-842

E-831

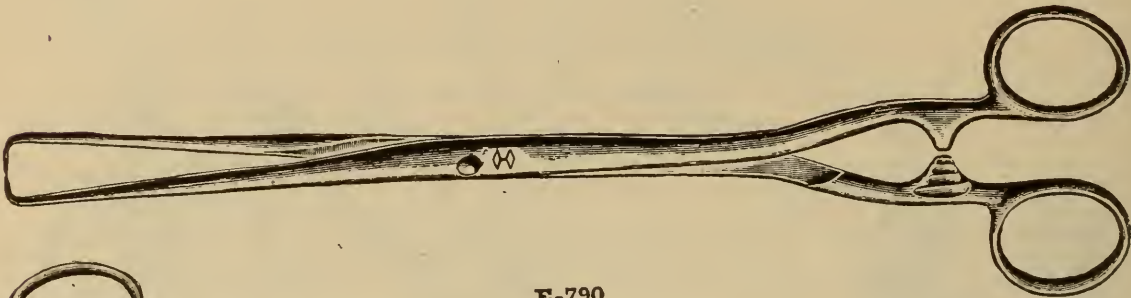
UTERINE TRACTOR

E-830	Pryor's .....	\$6.00
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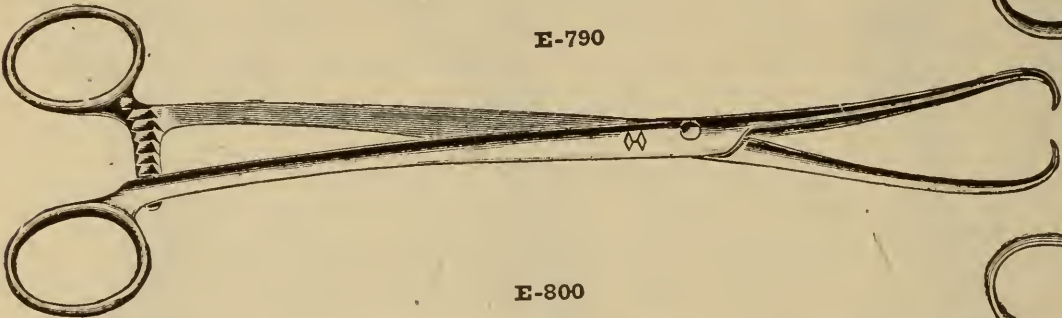
UTERINE ELEVATING FORCEPS

E-831	Allen's, for grasping the fundus of the uterus.....	5.50
E-832	Barrett's, for grasping the fundus of the uterus.....	3.25
E-833	Berry's, for grasping the fundus of the uterus.....	5.50
*E-836	Collins', with movable blades.....	6.50
E-837	Cullen's, for grasping the fundus of the uterus.....	5.50
E-839	Sherk's, for grasping the fundus of the uterus.....	7.50
E-834	Somer's, for grasping the fundus of the uterus.....	6.00
E-841	Taylor's, for grasping the fundus of the uterus.....	6.50
E-842	Young's, one blade with soft rubber jaw.....	4.00

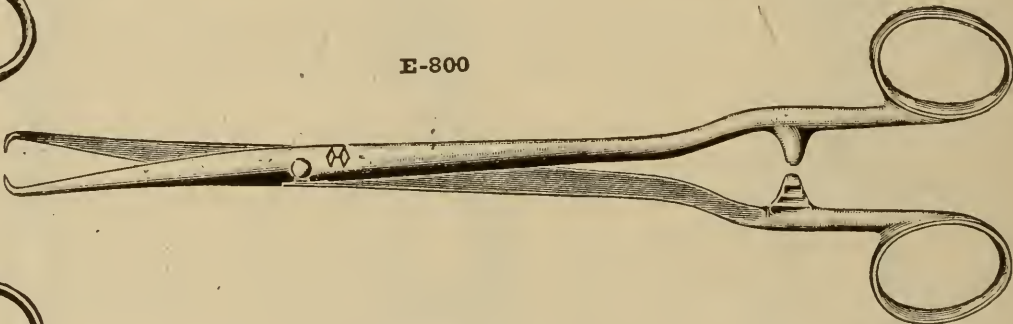
GYNECIC INSTRUMENTS



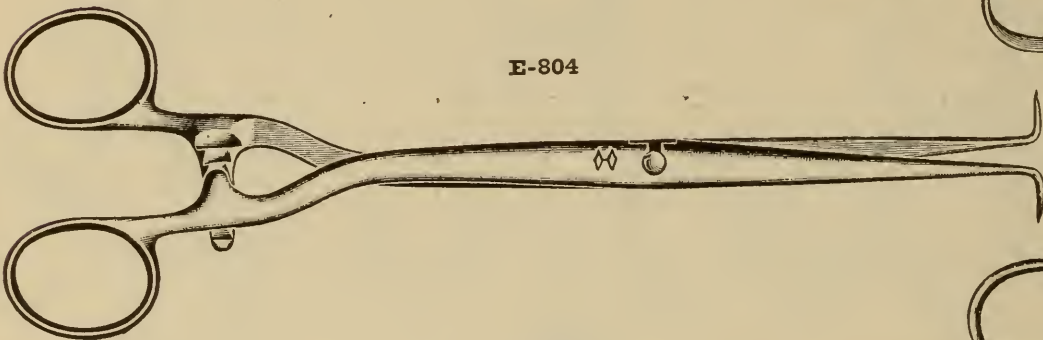
E-790



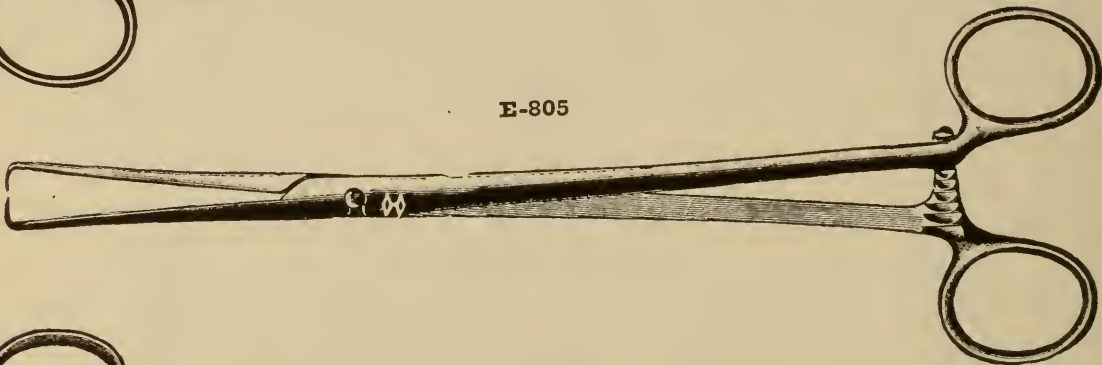
E-800



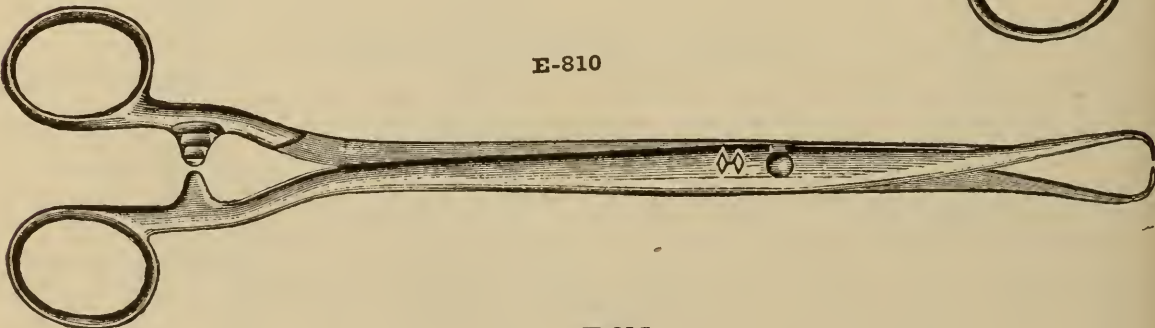
E-804



E-805



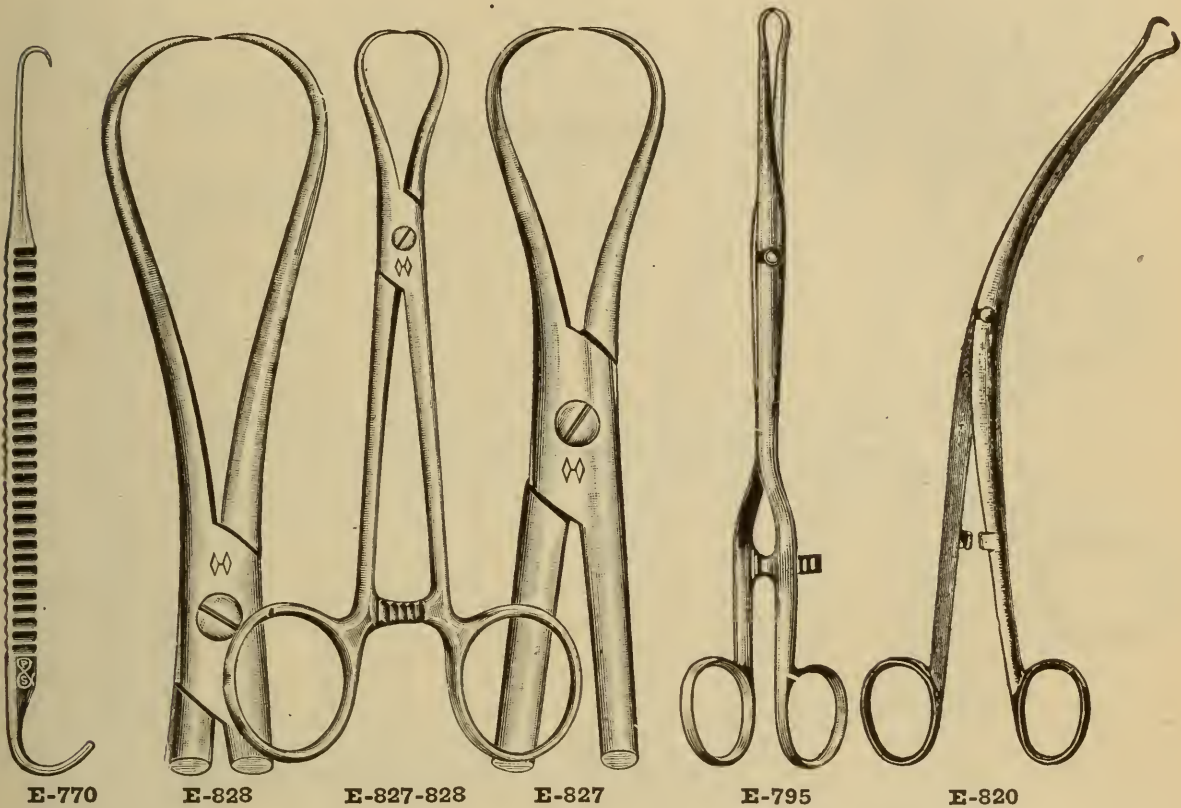
E-810



E-815



GYNECIC INSTRUMENTS



TENACULUMS AND TENACULUM FORCEPS  
TENACULUMS

*E-750	Emmet's, angular .....	\$0.90
E-755	Emmet's, right angled .....	.90
E-760	Emmet's, round .....	.90
E-765	Emmet's, double angle .....	.90
E-770	Kelly's .....	1.00
*E-775	Kelly's, shepherd crook .....	.90
*E-780	Perry's, barbed .....	1.00
E-785	Sims' .....	.90

TENACULUM FORCEPS

*E-787	Barrett's, straight, 7 inch.....	1.60
*E-788	Barrett's, cross action, 7 inch.....	3.00
E-790	Braun's .....	2.00
E-795	Donoghue's .....	3.50
E-800	Duplay's .....	2.50
*E-802	Goelet's, angular .....	2.75
*E-803	Haslam's, new model, with points as shown in E-806, mortise screw joint and round shanks.....	1.75
E-804	Martin's .....	2.00
E-805	Newman's .....	2.75
E-810	Pozzi's .....	2.40
E-815	Schroeder's .....	2.00
E-820	Skene's, curved on edge.....	2.00
*E-825	Stauder's, for portio vaginalis, 5 1/4 inch.....	1.75
E-827	Stauder-Moore's, small, 6 1/4 inch.....	1.75
E-828	Stauder-Moore's, large, 6 1/4 inch.....	1.90
*E-829	Wylie's .....	2.25



E-765



E-755



E-760

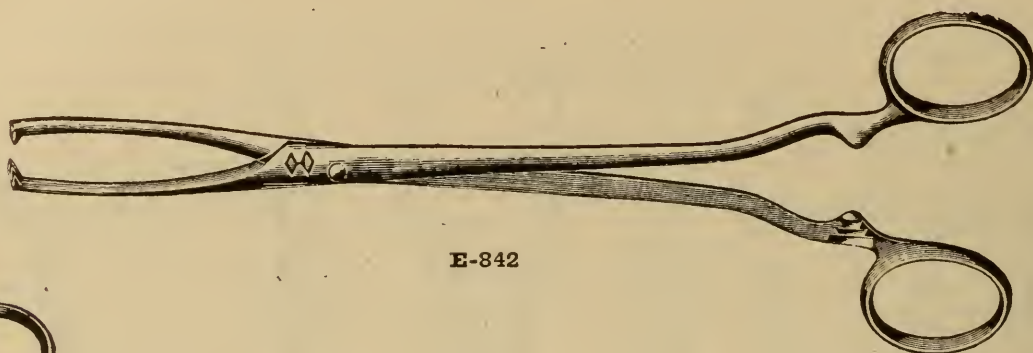


E-765

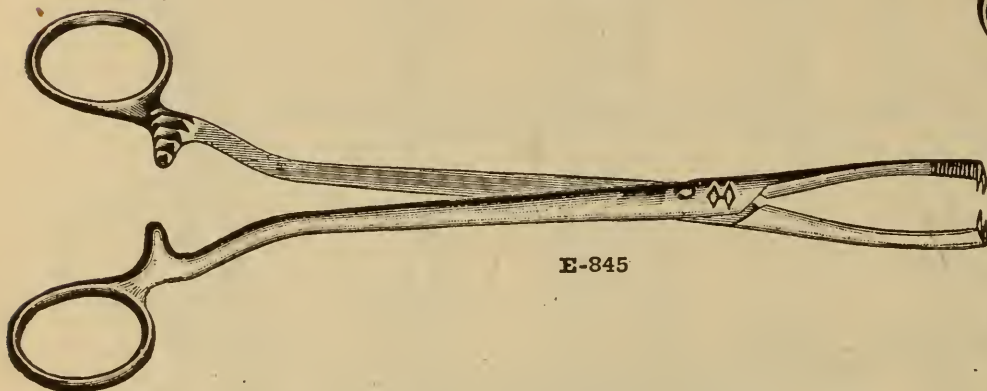


E-785

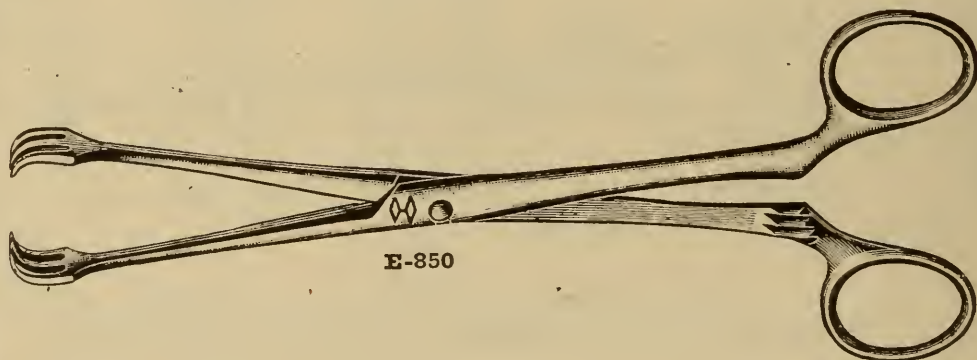
## GYNECIC INSTRUMENTS



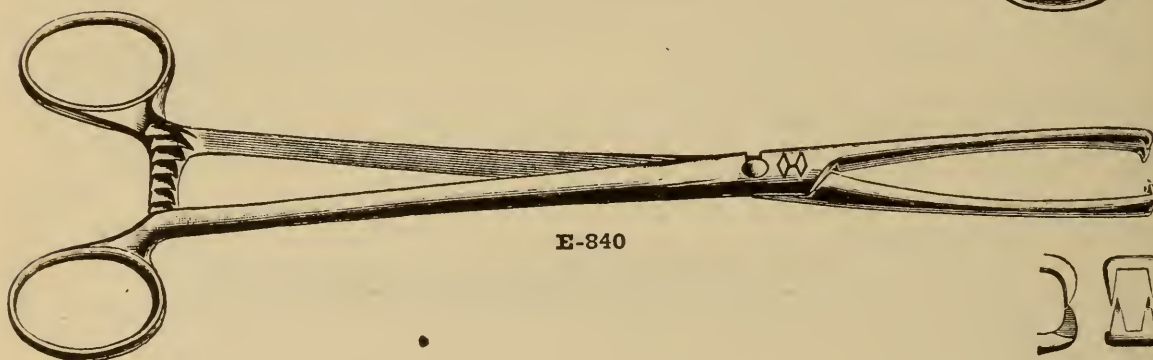
E-842



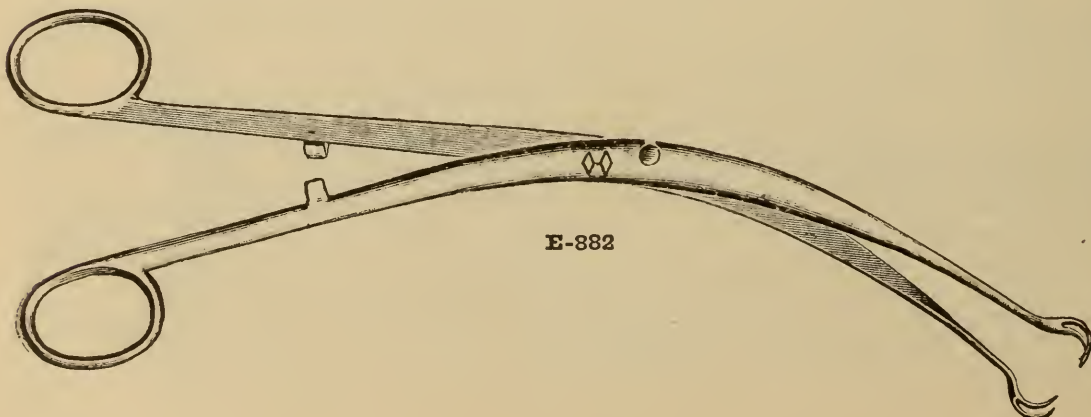
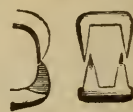
E-845



E-850



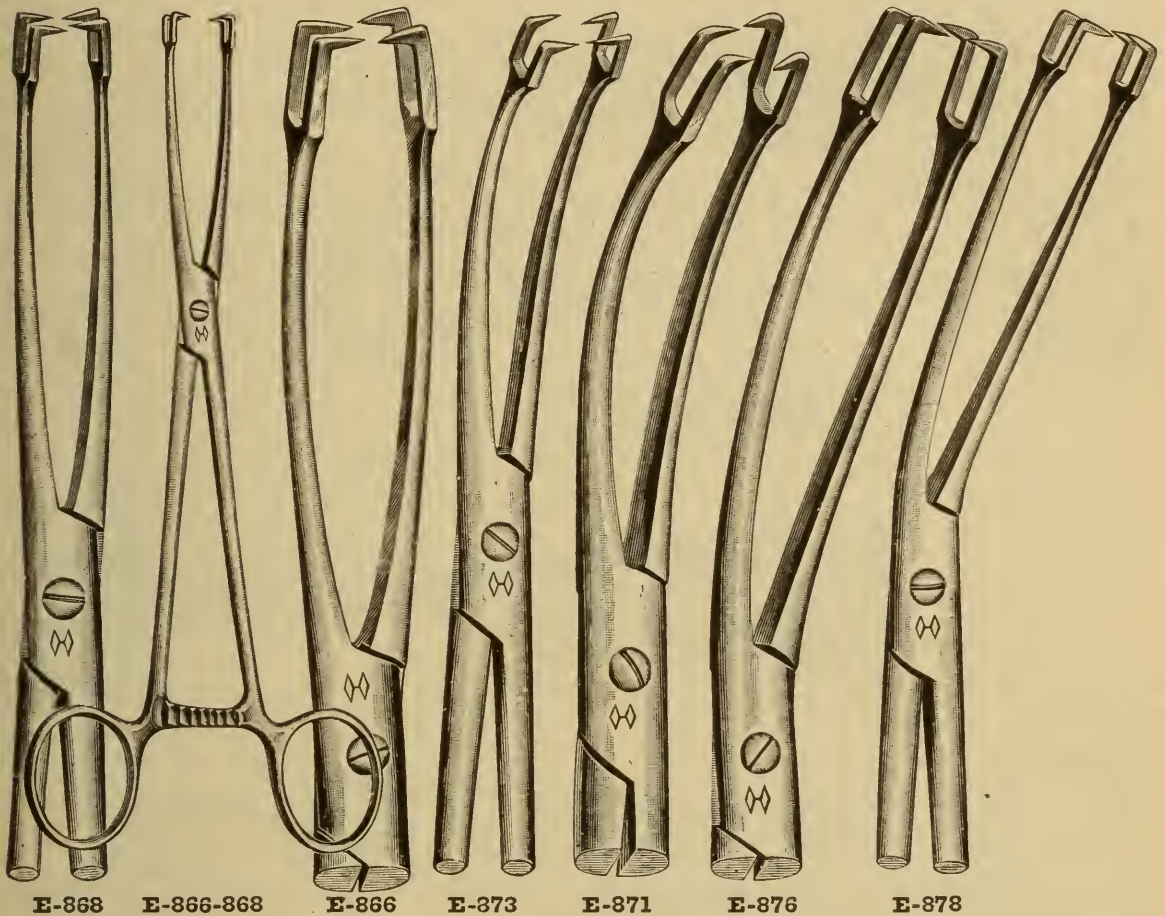
E-840



E-882



## GYNECIC INSTRUMENTS



## OVARIAN FORCEPS

\*E-838 Barrett's, for clamping the tube and holding the ovary at the same time. \$3.50

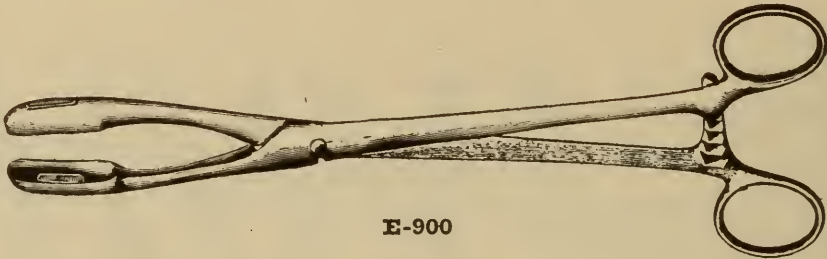
## VULSELLUM FORCEPS

*E-835	Donoghue's, small, \$3.50; large.....	4.50
E-840	Doyen's, 9½ inch .....	3.25
E-866	Haslam's, straight, 9 inch.....	2.00
E-868	Haslam's, straight, 7 inch.....	1.75
E-871	Haslam's, curved on flat, 9 inch.....	2.00
E-873	Haslam's, curved on flat, 7 inch.....	1.75
E-876	Haslam's, curved on edge, 9 inch.....	2.00
E-878	Haslam's, curved on edge, 7 inch.....	1.75

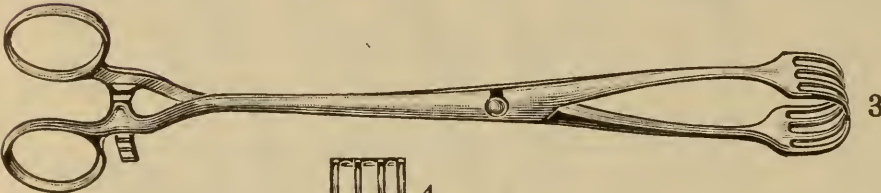
Special attention is called to the size and shape of the teeth, and the elastic rounded shanks of the Haslam forcep, combining the best points of the best patterns of all the vulsellum forceps.

E-842	Henrotin's, 8¼ inch .....	2.75
E-845	Jacob's, 8¼ inch .....	2.50
E-850	Massachusetts General Hospital, small, \$1.75; large.....	3.00
*E-855	Orthmann's .....	4.00
*E-860	Pryor's, blunt, 9¼ inch.....	3.00
*E-865	Schroeder's, straight .....	2.40
*E-870	Schroeder's, curved on flat.....	2.40
*E-875	Schroeder's, curved on edge.....	2.40
*E-880	Schultz's .....	2.40
E-882	Skene's, curved on edge.....	2.25
*E-885	Teale's, curved .....	3.00
*E-887	Trelat's .....	2.75

GYNECIC INSTRUMENTS



E-900



3

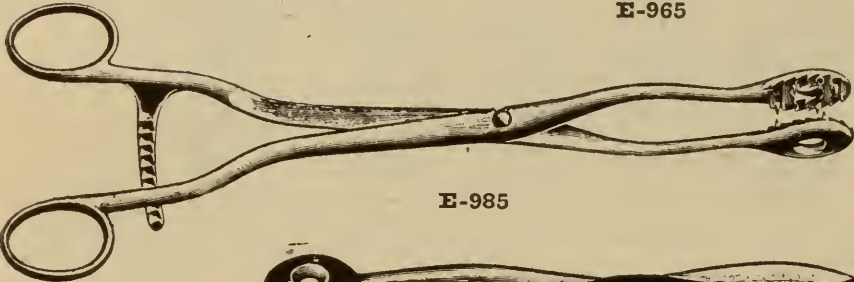


4

E-975



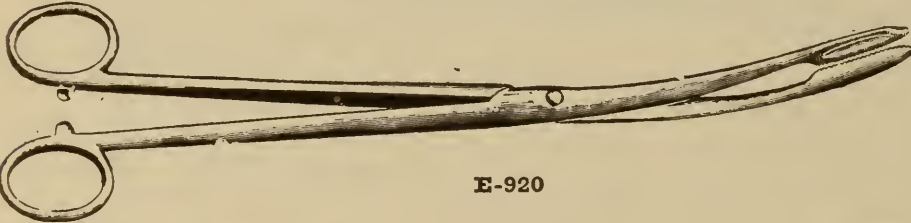
E-965



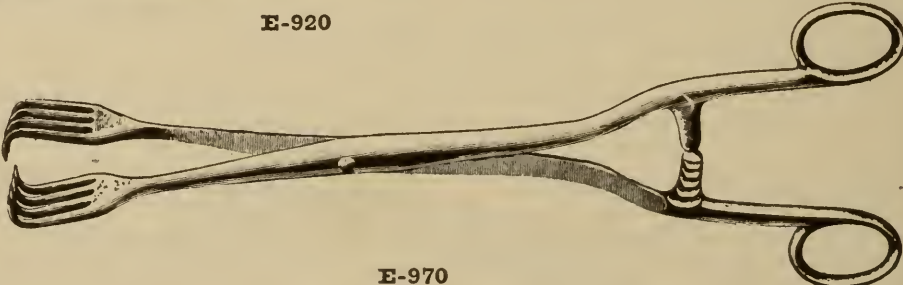
E-985



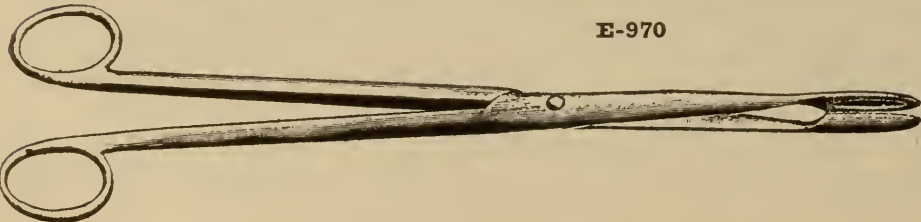
E-990



E-920



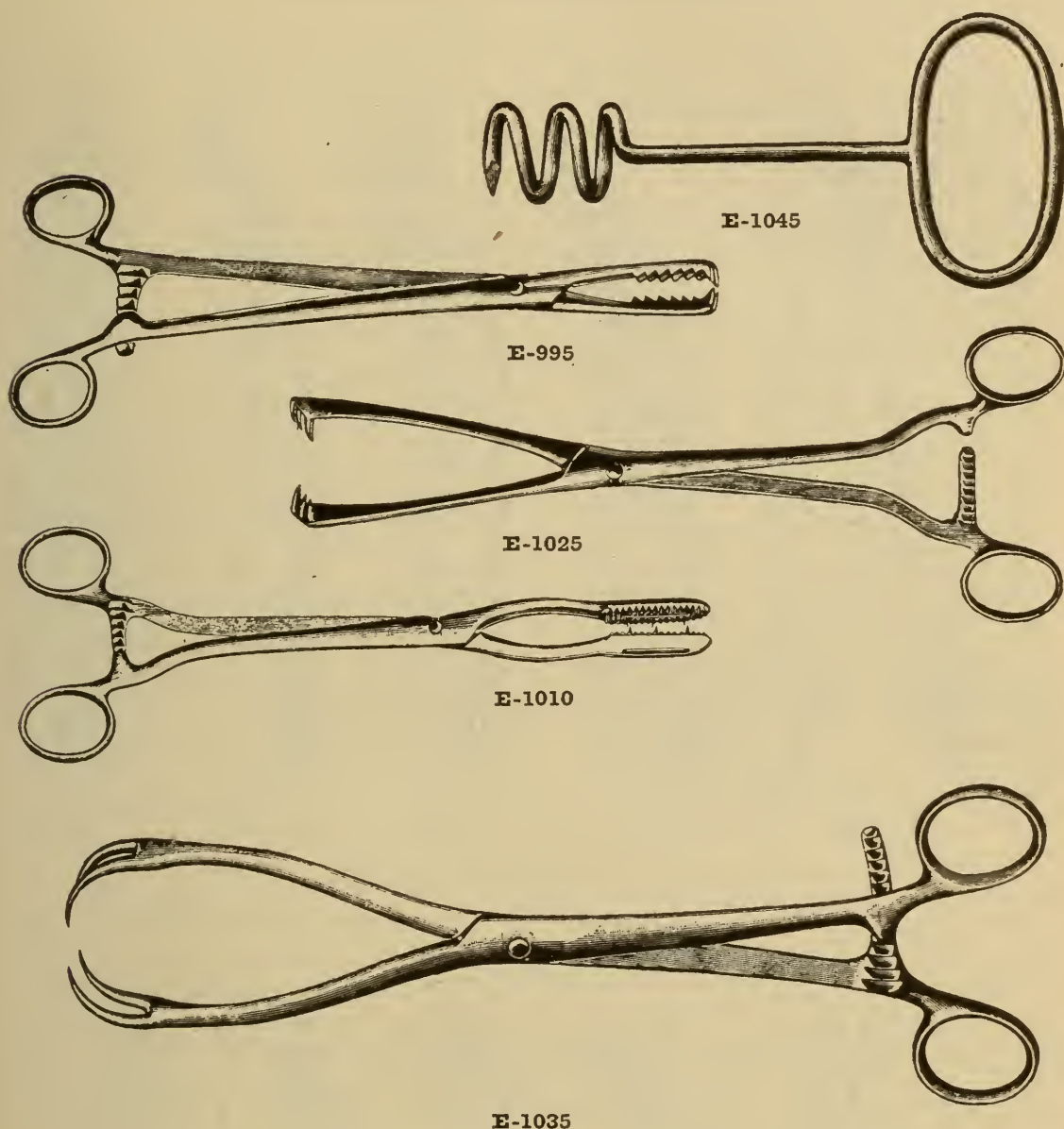
E-970



E-910



## GYNECIC INSTRUMENTS



## POLYPUS FORCEPS

E-900	Doyen's, cutting, 3 sizes.....	Each \$4.75
*E-905	Longyear's .....	2.35
E-910	Maier's, straight, plain .....	2.10
*E-915	Maier's, straight, with catch.....	2.25
E-920	Maier's, curved, with catch.....	2.40

## PEDICLE FORCEPS

*E-930	Spencer-Wells', straight .....	2.40
*E-935	Spencer-Wells', curved .....	2.75
*E-940	Spencer-Wells', angular .....	2.75
*E-945	Spencer-Wells', right angled.....	2.85
*E-950	Spencer-Wells', T shape.....	3.15

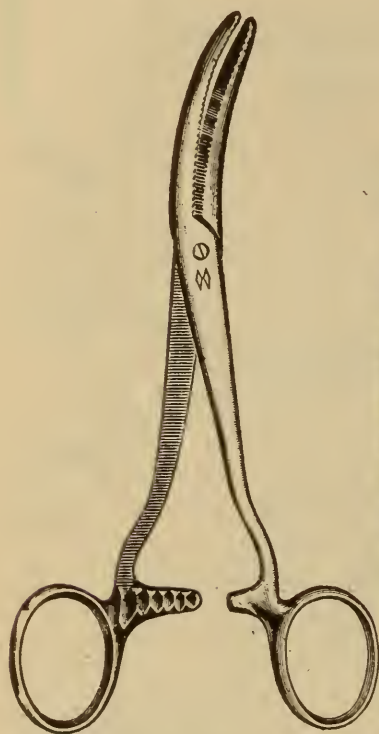
## TUMOR FORCEPS

E-965	Billroth's, 6 prong, 10½ inch, heavy.....	4.50
E-970	Billroth's, 8 prong, 10½ inch, with catch.....	3.50
E-975	Donoghue's, 8 prong, heavy.....	6.25
E-985	Nelaton's, cyst .....	5.50
E-990	Nyrop's, cyst.....	6.25
E-995	Pryor's, morcellation.....	3.75
E-1010	Segond's, morcellation, oval form, with pronged jaw.....	7.50
*E-1015	Segond's, morcellation, without prongs.....	5.25
*E-1020	Segond's, grasping, 2 teeth on each side.....	3.25
E-1025	Segond's, grasping, 3 teeth on each side.....	3.50
*E-1030	Segond's, grasping, 4 teeth on each side.....	3.85
E-1035	William's, heavy, 4 prong.....	6.25

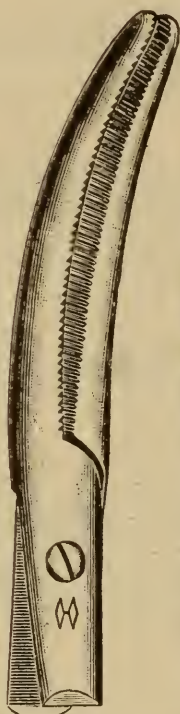
## TUMOR SCREWS

E-1045	Doyen's .....	2.00
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## GYNECIC INSTRUMENTS



E-1070



E-1070



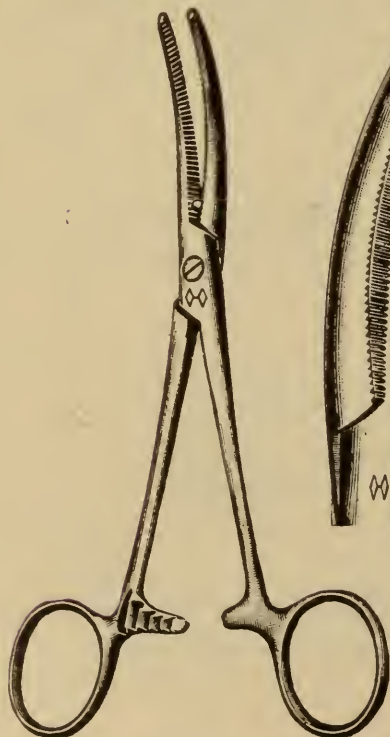
E-1048



E-1046



E-1065



E-1086



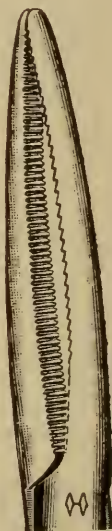
E-1086



E-1078



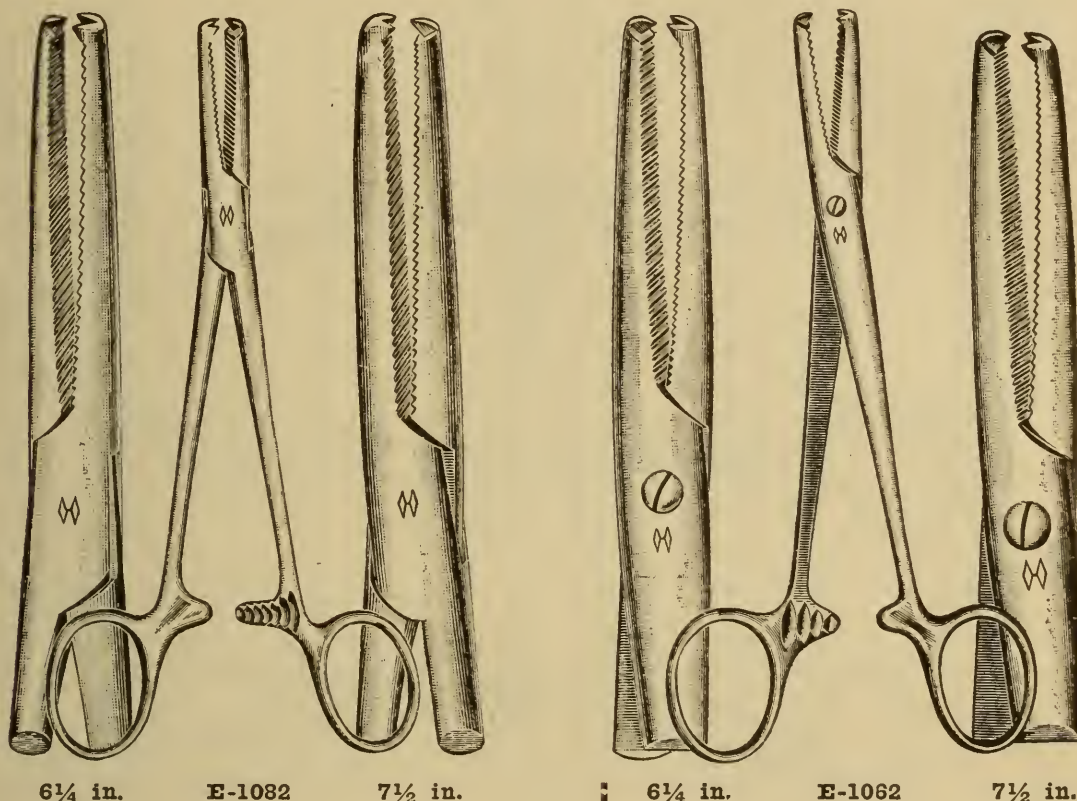
E-1076



E-1083



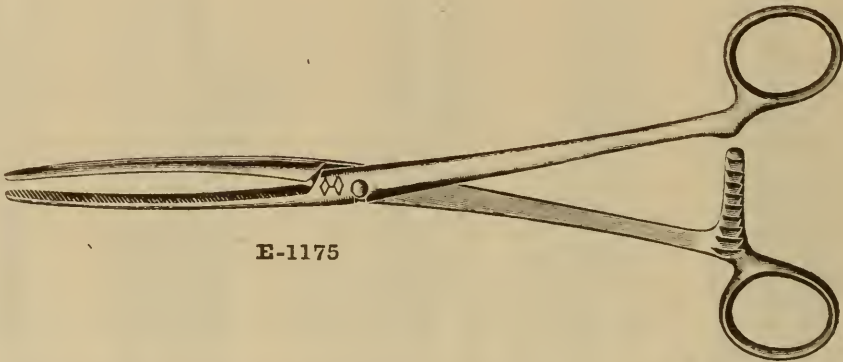
## GYNECIC INSTRUMENTS



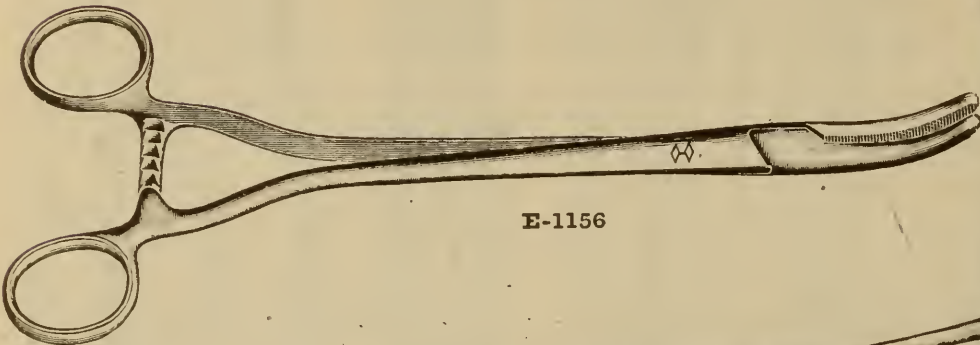
## HYSTERECTOMY FORCEPS

E-1046	Carmalt's, screw joint, 6¼ in., \$1.50; 8 in.....	\$2.00
E-1048	Carmalt's, screw joint, toothed, 6¼ in., \$1.75; 8 in.....	2.25
*E-1105	Ferguson's, screw joint, 6½ in., \$1.50; 7½ in.....	1.75
*E-1110	Ferguson's, angiotriptic, straight, screw joint, 6½ in., \$2.25; 7½ in....	2.50
*E-1112	Ferguson's, angiotriptic, curved on flat, screw joint, 6½ in., \$2.25; 7½ in.	2.50
E-1062	Ochsner's, screw joint, 6¼ in., \$1.75; 7½ in.....	2.00
*E-1064	Ochsner's, mortise screw joint, 6¼ in., \$2.00; 7½ in.....	2.25
E-1065	Pean's, straight, long jaw, cross serrations, screw joint	
	Total length, inches	7      8      8¾      9½      10¼      11
	Jaw length, inches..	1⅞      2      2⅜      2⅝      3      3⅜
	Price, each.....	\$1.75      \$2.00      \$2.25      \$2.50      \$2.75      \$3.00
E-1070	Pean's, curved on flat, long jaw, cross serrations, screw joint	
	Total length, inches	7      8      8¾      9½      10¼      11
	Jaw length, inches..	2⅞      2¼      2⅜      2⅝      3¼      3⅝
	Price, each.....	\$1.85      \$2.10      \$2.35      \$2.60      \$2.85      \$3.15
E-1076	Rochester-Carmalt's, curved, 6¼ in., mortise screw joint.....	1.75
E-1077	Rochester-Carmalt's, curved, 8 in., mortise screw joint.....	2.25
E-1078	Rochester-Carmalt's, curved, 6¼ in., mortise screw joint, mouse tooth..	1.85
E-1079	Rochester-Carmalt's, curved, 8 in., mortise screw joint, mouse tooth....	2.35
E-1081	Rochester-Ochsner, straight, 6¼ in., mortise screw joint.....	2.00
E-1082	Rochester-Ochsner, straight, 7½ in., mortise screw joint.....	2.25
E-1083	Rochester-Pean's, straight, 6¼ in., mortise screw joint.....	1.65
E-1084	Rochester-Pean's, straight, 8 in. mortise screw joint.....	2.10
E-1086	Rochester-Pean's, curved, 6¼ in., mortise screw joint.....	1.85
E-1087	Rochester-Pean's, curved, 8 in., mortise screw joint.....	2.35

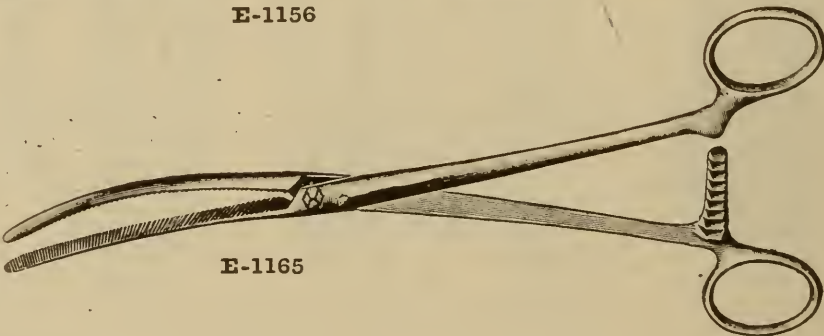
GYNECIC INSTRUMENTS



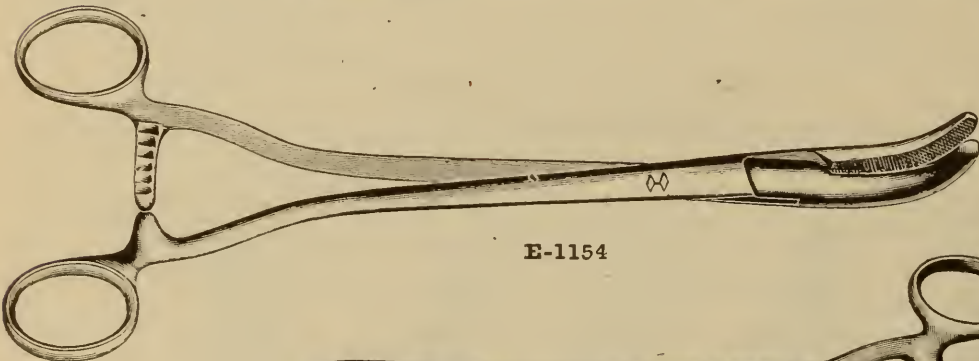
E-1175



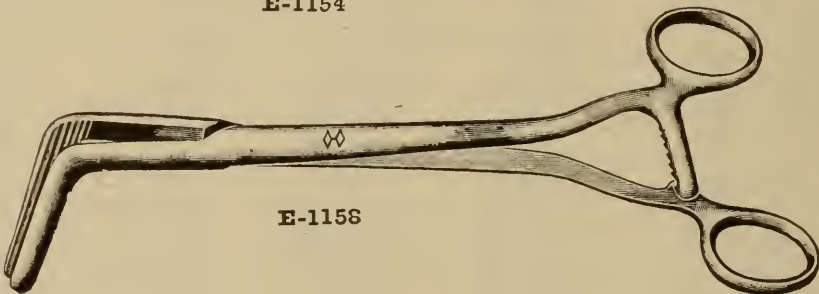
E-1156



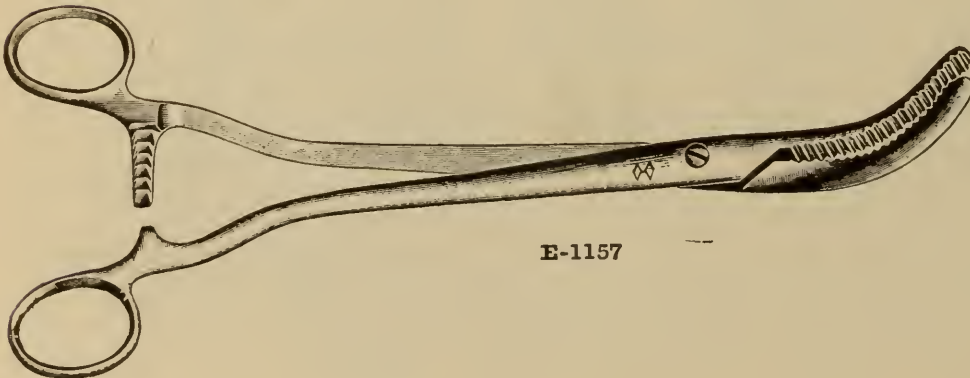
E-1165



E-1154



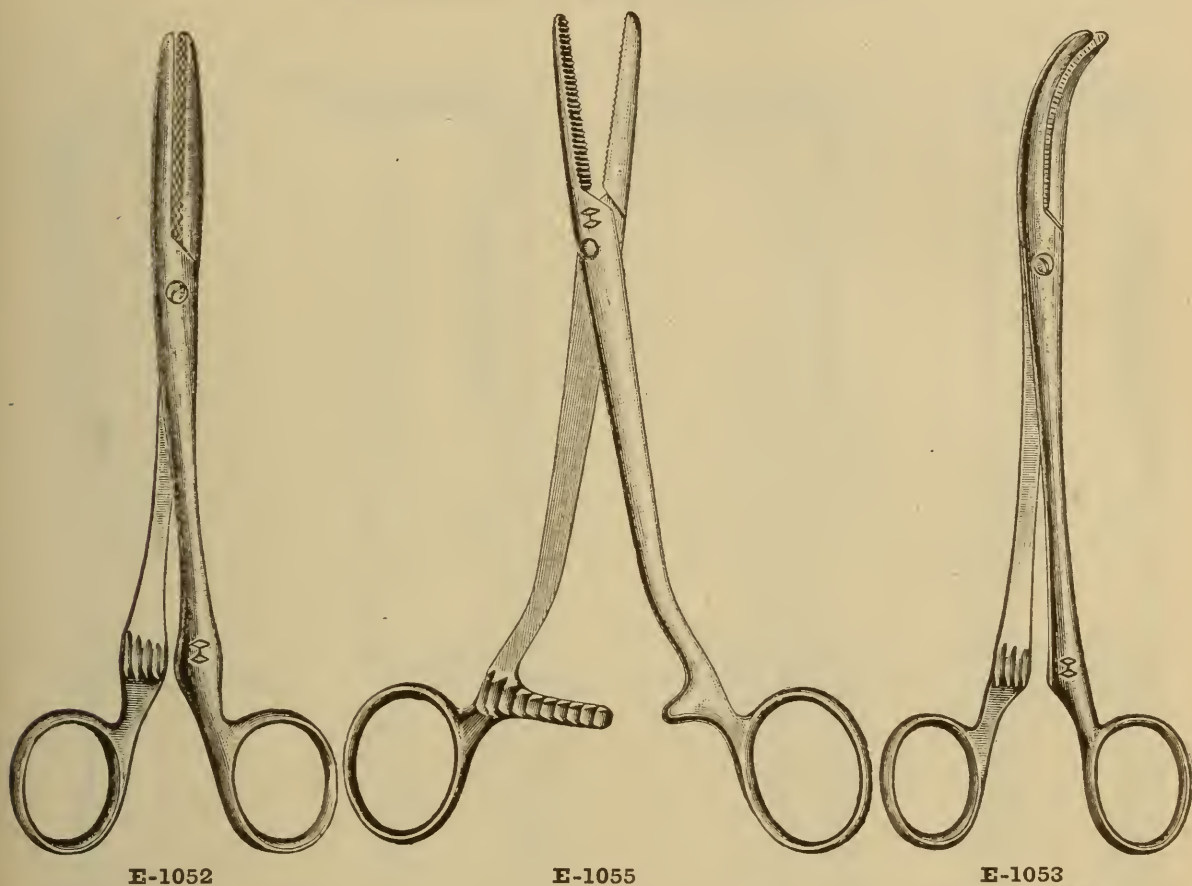
E-1158



E-1157

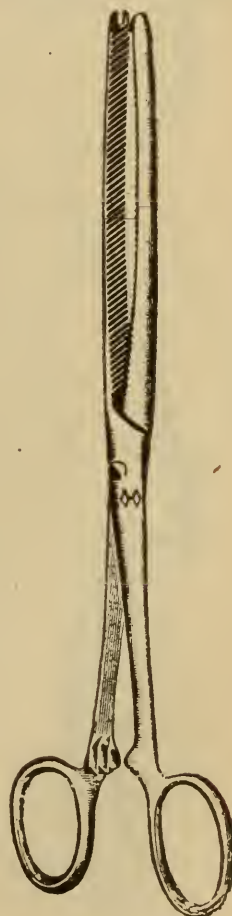


## GYNECIC INSTRUMENTS



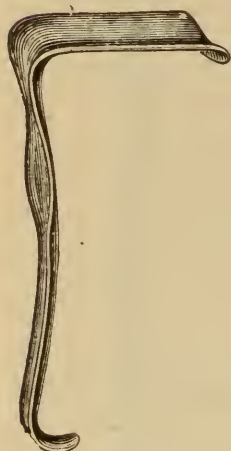
## HYSTERECTOMY FORCEPS

E-1052	Deaver's, straight, screw joint, 7½ inch.....	\$ 3.25
E-1053	Deaver's, curved, screw joint, 6½ inch.....	3.50
*E-1050	Doyen's, straight, 8 inch, \$3.00; 11 inch.....	3.50
E-1055	Jacob's, straight, short jaw, cross serrations, 7¼ inch, \$2.00; 8 inch, \$2.25; 9¼ inch.....	2.65
*E-1060	Leonard's, curved on flat, light flexible blades....	2.75
*E-1120	Luer's, straight, fenestrated jaw, 8 inch.....	5.00
*E-1125	Luer's, curved, fenestrated jaw, 8 inch.....	5.50
E-1145	Polk's, straight, elastic blades.....	3.00
*E-1150	Pryor's, set of 6 forceps, with 1 pair of detachable handles.....	15.00
E-1154	Wertheim's, pedicle clamp.....	4.25
E-1156	Wertheim's, parametrium clamp.....	4.25
E-1157	Wertheim's, vaginal clamp.....	4.25
E-1158	Wertheim-Cullen's, angular jaw, pedicle.....	4.25
E-1175	Wright's, straight, elastic blades.....	2.50
E-1165	Wright's, curved, elastic blades.....	2.75

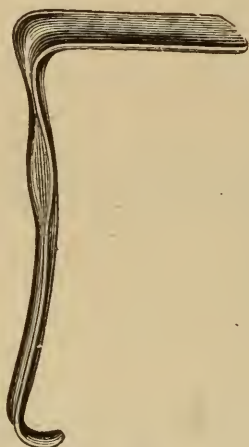


E-1145

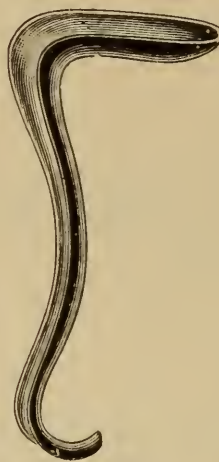
## GYNECIC INSTRUMENTS



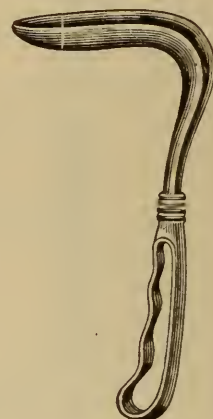
E-1230



E-1240



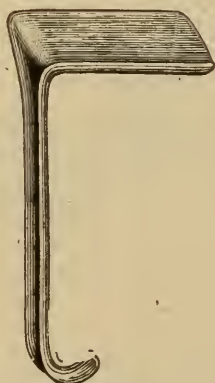
E-1235



E-1255



E-1235



E-1245



E-1225



E-1220



E-1280



E-1275



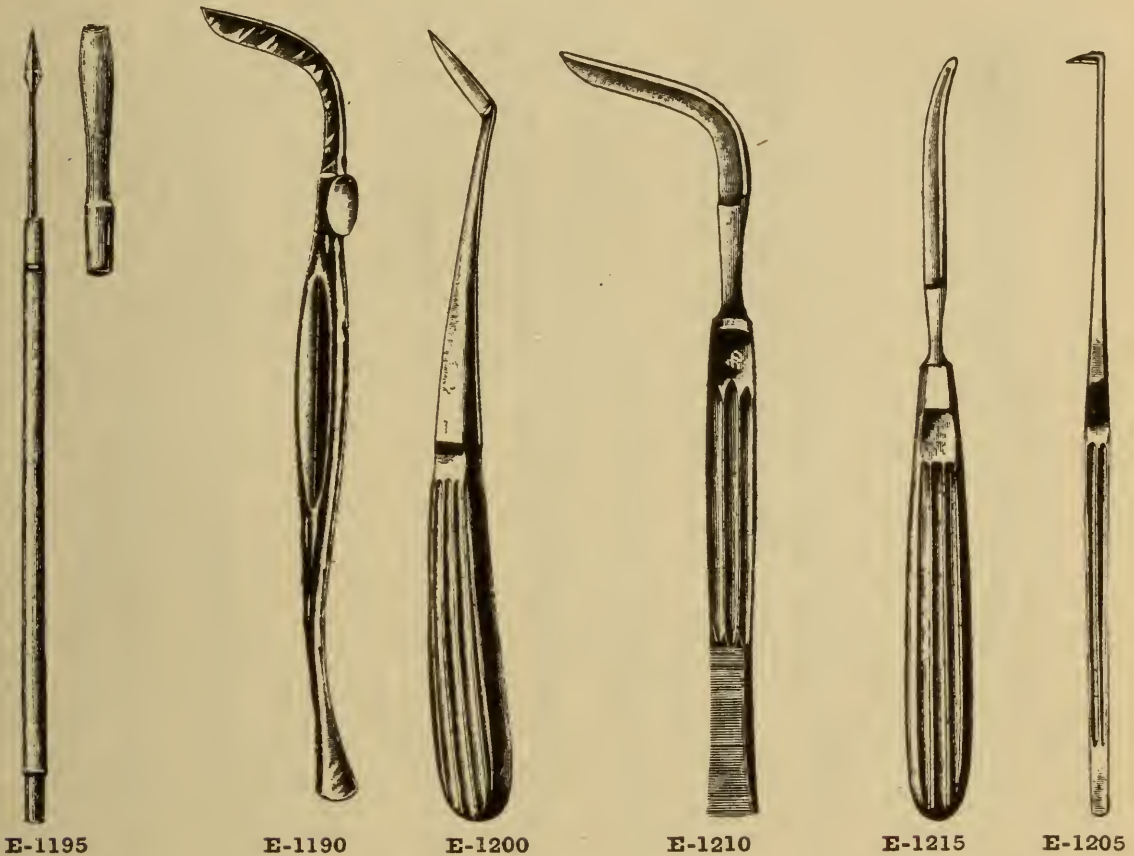
E-1265



E-1250



## GYNECIC INSTRUMENTS



## UTERINE KNIVES

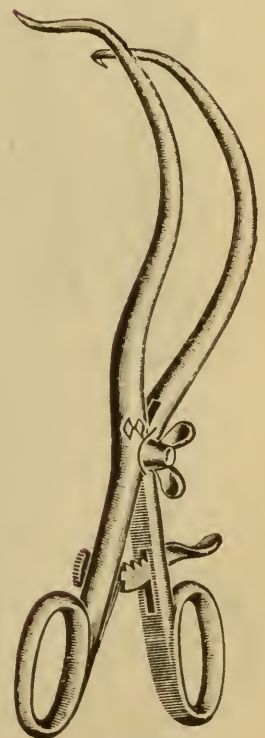
E-1190	Barrett's, trachelorrhaphy .....	\$2.75
E-1195	Buttle's, scarifier.....	2.00
*E-1197	Cole's, hysterectomy knife and spud.....	1.75
E-1200	Kelly's, vesico vaginal fistula.....	3.50
E-1205	Kelly's, for depleting the cervix.....	2.25
E-1210	Newman's, trachelorrhaphy.....	2.50
E-1215	Pryor's, for splitting the uterus.....	2.00

## PERINEAL RETRACTORS

E-1216	Gelpi's, for perineorrhaphy.....	5.00
*E-1217	Friedman's, for perineorrhaphy.....	13.50

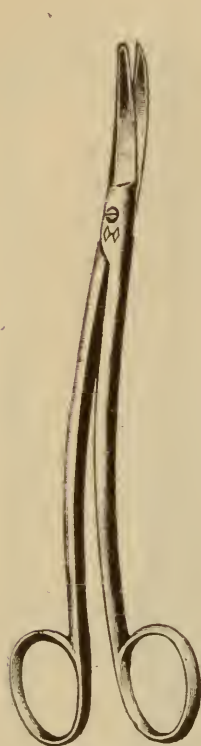
## VAGINAL RETRACTORS

E-1220	Doyen's, 6 sizes, $2\frac{3}{8} \times 2\frac{3}{8}$ in., $2\frac{3}{8} \times 4$ in., $2\frac{3}{8} \times 4\frac{1}{4}$ in., $1\frac{1}{4} \times 2\frac{3}{8}$ in., $1\frac{1}{4} \times 4$ in., $1\frac{1}{4} \times 4\frac{1}{4}$ in., each.....	3.50
E-1225	Doyen-Kelly's, 6 sizes, same dimensions as E-1220, each .....	3.50
E-1230	Eastman's, 6 sizes, $1\frac{3}{8} \times 2\frac{1}{2}$ in., $1\frac{3}{8} \times 3$ in., $1\frac{3}{8} \times 3\frac{1}{2}$ in., $1\frac{1}{2} \times 2\frac{1}{2}$ in., $1\frac{1}{2} \times 3$ in., $1\frac{1}{2} \times 3\frac{1}{2}$ in., each.....	1.50
E-1235	Eastman's, heavy, same dimensions as E-1230, each .....	1.75
E-1240	Jackson's, 6 sizes, $1\frac{3}{8} \times 3$ in., $1\frac{3}{8} \times 3\frac{1}{2}$ in., $1\frac{3}{8} \times 4$ in., $1\frac{1}{2} \times 3$ in., $1\frac{1}{2} \times 3\frac{1}{2}$ in., $1\frac{1}{2} \times 4$ in., each.....	1.50
E-1245	Jackson's, heavy, 6 sizes, same dimensions as E-1240, each .....	1.50
E-1250	Kelly's, anterior vaginal.....	2.75
E-1255	Kelly-Sims', 3 sizes, each.....	2.00
*E-1260	Martin's, single .....	1.75
E-1265	Martin's, double .....	2.25
*E-1270	Pryor's, grooved.....	3.50
E-1275	Pryor-Pean's .....	2.50
E-1280	Pryor's, trowel pattern.....	3.00
E-1285	Sims', 3 sizes, each.....	1.75



E-1216

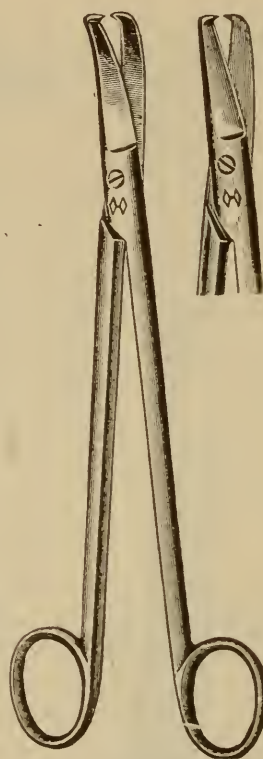
## GYNECIC INSTRUMENTS



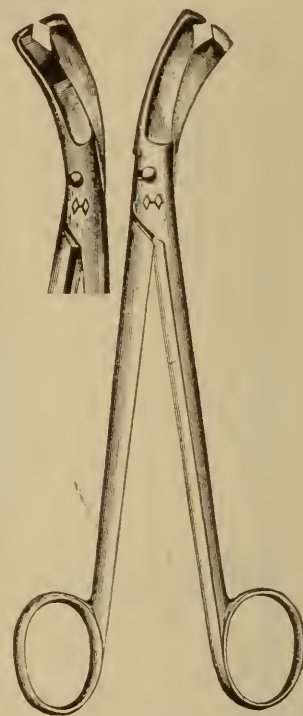
E-1307



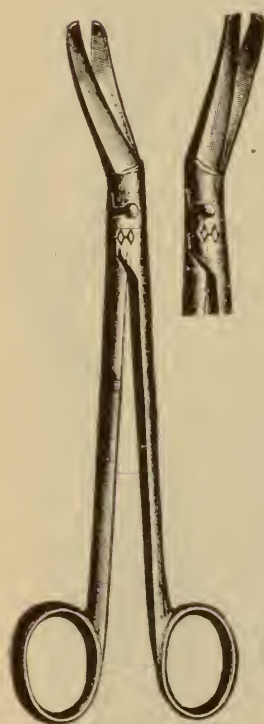
E-1308



E-1305-1300



E-1330



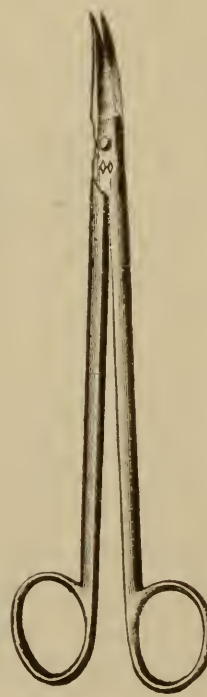
E-1315



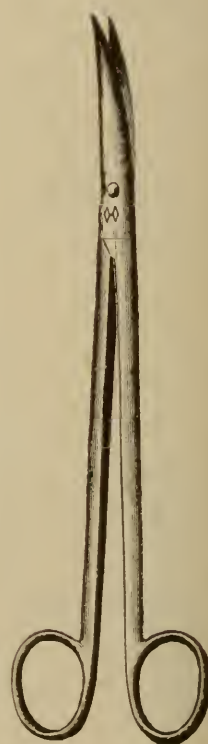
E-1320



E-1338



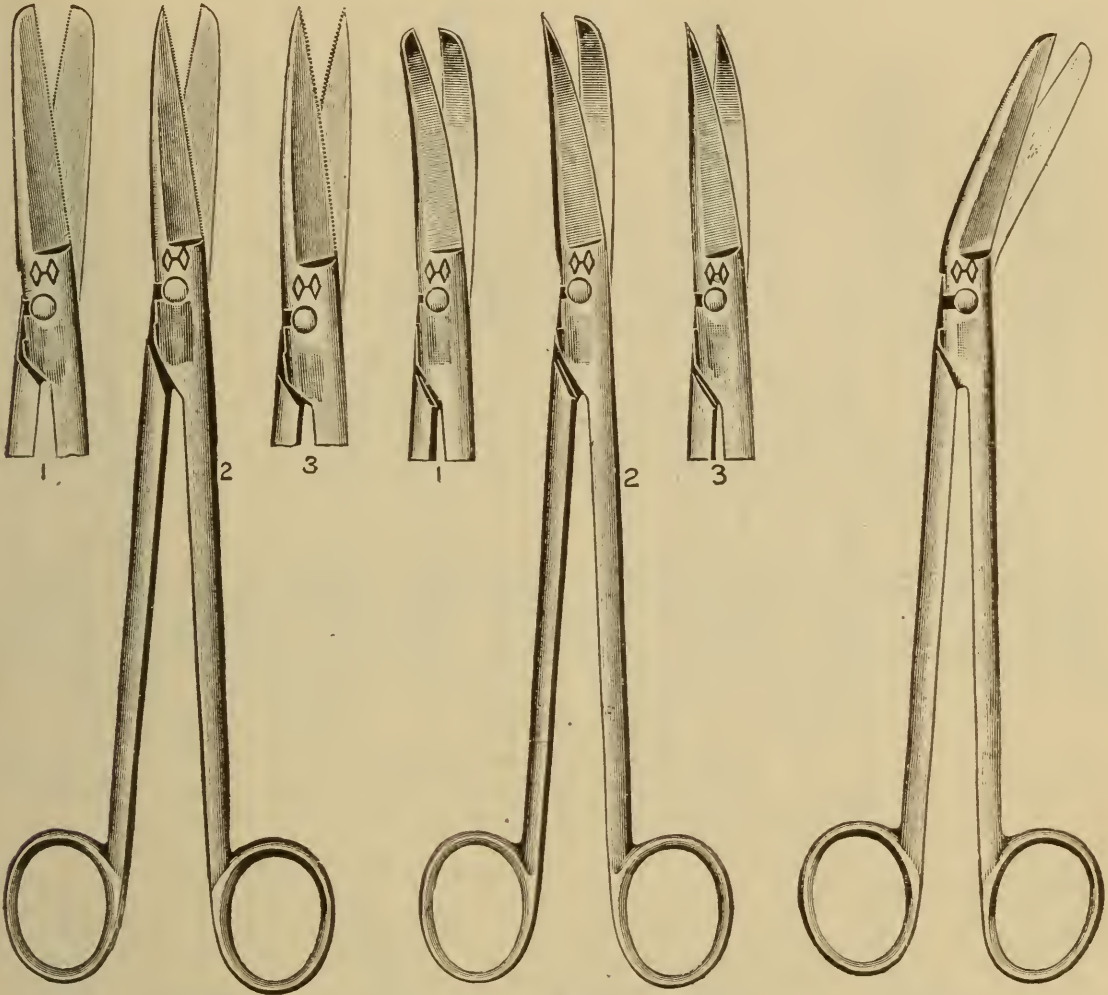
E-1340



E-1335



## GYNECIC INSTRUMENTS



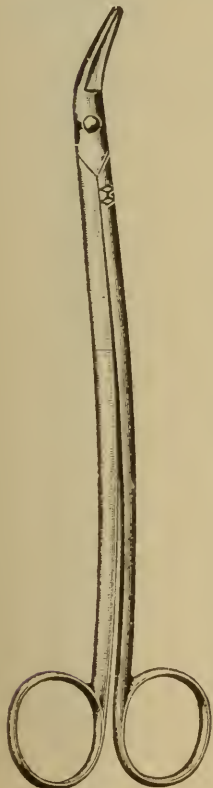
E-1365

E-1370

E-1310

## UTERINE SCISSORS

*E-1286	Angular, 2 points sharp, 8 inch.....	\$2.25
E-1288	Bozeman's, double curved, 7 inch.....	2.50
E-1300	Dawson's, straight, tenaculum points..	2.25
E-1305	Dawson's, curved on flat, tenaculum points .....	2.50
E-1307	Dunsmore's, original pattern, 7½ in..	2.25
E-1308	Dunsmore's, latest pattern, 7½ in....	2.25
E-1310	Emmet's, angular bent.....	2.00
E-1315	Emmet's, lesser curved, right and left, each .....	2.75
E-1320	Emmet's, full curved, right and left, each .....	3.25
E-1330	Hank's, trachelorrhaphy, right and left, each .....	2.25
E-1335	Jenks', curved on flat, perineal.....	1.65
E-1338	Kelly's, straight, vesico vaginal fistula, 6¼ in.....	1.40
E-1340	Kelly's, curved on flat, vesico vaginal fistula, 6¼ in.....	1.75
*E-1345	Sims', bent on flat, probe pointed.....	2.50
*E-1346	Sims', bent on flat, blunt pointed, 7¼ in. ....	2.50
*E-1350	Sims', bent on edge, probe pointed, 8 in.	2.50
*E-1355	Sims', curved on flat, serrated edges, 8 inch.....	2.25
*E-1360	Sims', straight, serrated edges, 8 inch	1.75
E-1365	Sims', straight, 8 inch.....	1.50
*E-1366	Sims', straight, one probe point, 8 inch	1.75
E-1370	Sims', curved on flat, 8-inch.....	1.75
*E-1372	Sims', straight, heavy, hand forged English steel, 8 inch.....	2.25
*E-1374	Sims', curved on flat, heavy, hand forged English steel, 8 inch.....	2.50
*E-1375	Skene's, hawk bill, improved pattern..	7.50
E-1378	Wood's, blade angled on flat, curved handles, 7 inch.....	2.50



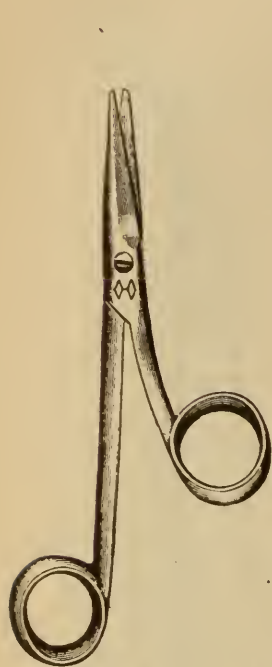
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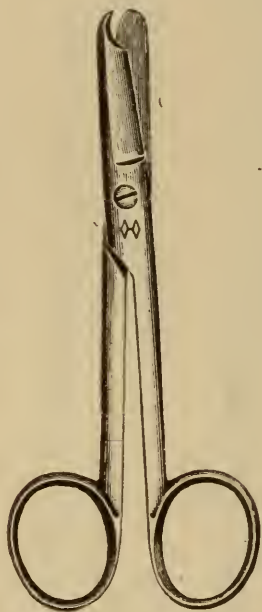
E-1378

Note—In ordering uterine scissors please be careful to specify the points wanted, No. 1, No. 2, or No. 3.

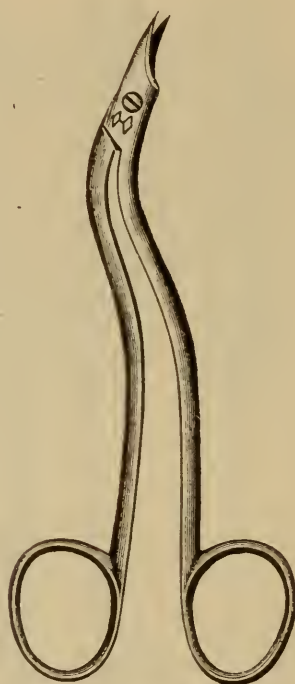
## GYNECIC INSTRUMENTS



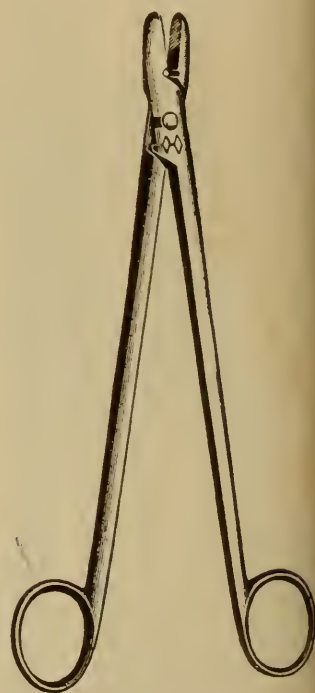
E-1412



E-1415



E-1417



E-1403



E-1435



E-1377



E-1375



E-1470



E-1475



E-1425



E-1480



## GYNECIC INSTRUMENTS



E-1450



E-1456



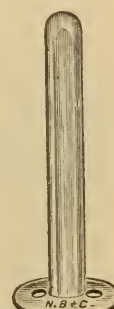
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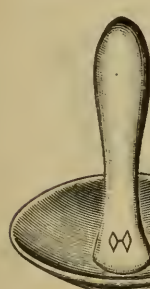
E-1465



E-1452



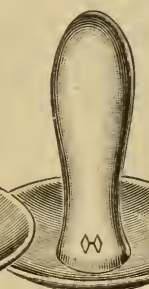
E-1453



1

2  
E-1442

3

4  
E-14435  
E-1444

6

## SUTURE INSTRUMENTS

E-1375 Adjuster, Sims', for perforated shot.....\$1.00

## COUNTER PRESSURE HOOKS

E-1377	Emmet's, blunt .....	\$1.00
*E-1380	Nilson's, with fork.....	1.10
*E-1385	Sims', blunt .....	.75
*E-1390	Sims', pulley .....	.75
*E-1395	Skene's, ring.....	1.25
*E-1400	Wylie's .....	1.25

## SHOT COMPRESSORS

*E-1402	Haslam's .....	2.25
E-1403	Thomas' .....	2.25

## SUTURE SCISSORS

*E-1405	Gusserow's .....	2.50
E-1412	Kocher's, suture and dissecting.....	1.75
E-1415	Littauer's, 4½ in., \$1.25; 5½ in., \$1.50; 8 in.....	2.00
E-1417	Malsah's .....	1.65
*E-1420	Smith's .....	1.65

## WIRE TWISTERS

E-1435	Emmet's, wire twisting forceps.....	3.00
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## STEM PESSARIES

*E-1440	Aluminum, 4 sizes, old style, each, \$0.50; extra large....	.60
E-1442	Aluminum, "The Pulaski" improved, aseptic, 5 sizes, each .....	.35
E-1442A	Aluminum, "The Pulaski" improved, aseptic, extra large .....	.50
E-1443	Aluminum, "The Pulaski" improved, aseptic, set of 5 sizes with introducer.....	1.50

This set **does not include** the corrugated stem shown in the illustration.

E-1444	Aluminum, "The Pulaski" improved, aseptic, corrugated stem, 5 sizes, each.....	.50
*E-1444A	Aluminum, "The Pulaski" improved, aseptic, corrugated stem, extra large.....	.75

Note—We also make "The Pulaski" stems with hole so they can be used with the ordinary introducer. Specify if so wanted.

E-1445	Boldt's, hard rubber.....	.75
E-1450	Chambers', self retaining, metal.....	1.00
E-1452	Dunsmore's, glass, open end, for drainage.....	.20
E-1453	Dunsmore's, glass, closed end.....	.20
*E-1455	Plain, straight, hard rubber.....	.35
E-1456	Plain, curved, hard rubber.....	.40
*E-1458	Soft rubber, same shape as E-1442, 3 sizes, each.....	.50
*E-1460	Thomas', glass .....	.25
E-1465	Wylie's, hard rubber.....	.60
E-1470	Introducer, with slide, for aluminum stem pessaries.....	.50
E-1472	Introducer, "The Pulaski," now made with metal slide to make it self holding.....	.25
E-1475	Introducer, Robertson's .....	.75
E-1480	Introducer, for Chambers' stem pessary.....	1.00

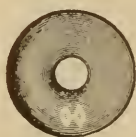


E-1472

## GYNECIC INSTRUMENTS



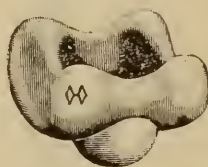
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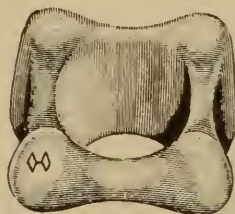
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E-1622



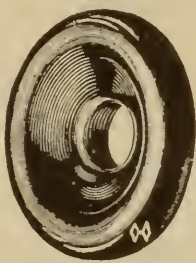
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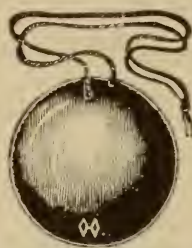
E-1600



E-1629



E-1630



E-1590



E-1616



E-1595



E-1635



E-1655



E-1640



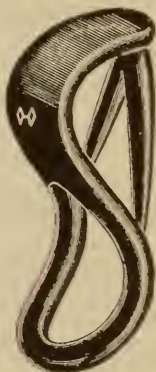
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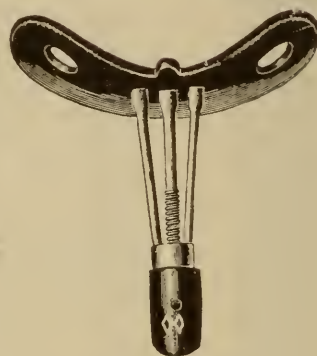
E-1575



E-1645



E-1632



E-1665



E-1628



E-1626



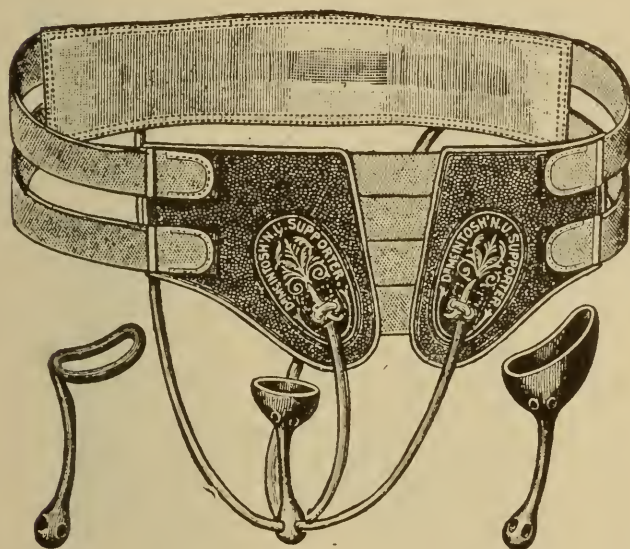
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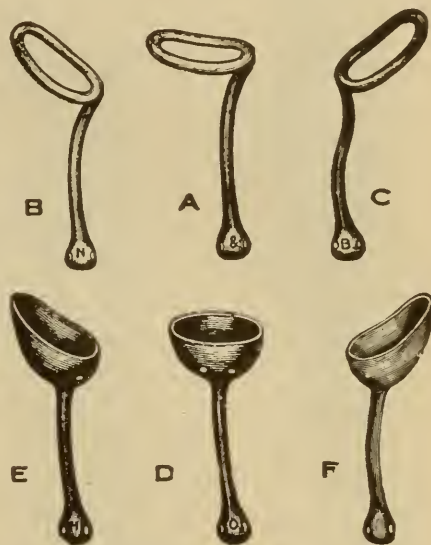
E-1627



## GYNECIC INSTRUMENTS



E-1610



E-1612-1614

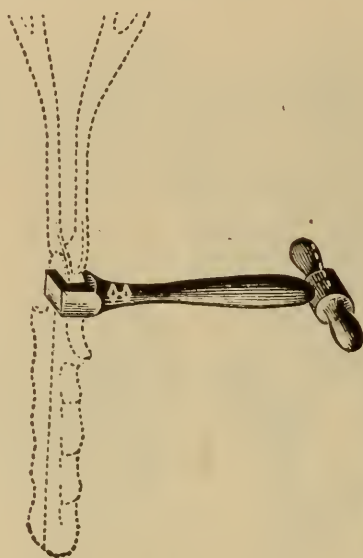
## PESSARIES

	Each
*E-1535 Bow, 7 sizes, retroversion.....	\$0.30
*E-1538 Clayton's, celluloid, flesh color, 60 to 100 mm. in diameter, 5 sizes.....	.75
*E-1550 Cutter-Thomas', with belt, for prolapsus .....	1.75
*E-1555 Cutter-Thomas', with belt, for anteversion.....	1.25
*E-1565 Cutter-Thomas', with belt, for retroversion.....	1.25
E-1575 Fowler's, retroversion, plain .....	1.50
*E-1580 Fowler's, retroversion, with bow.....	2.00
*E-1585 Globe, glass, for prolapsus, from 1½ to 4 inches in diameter..	\$0.50 to 1.35
E-1590 Globe, hard rubber, for prolapsus, 4 sizes.....	.90
E-1595 Hodge's, 6 sizes.....	.25
E-1600 Hoffman's, soft rubber, 5 sizes.....	1.75
E-1605 Hoffman's, soft rubber, with sac, 1 size only.....	1.75
E-1610 McIntosh's, with belt, for prolapsus.....	3.00
E-1612 McIntosh cups, hard rubber, D prolapsus, E anteversion, C retroversion	.75
E-1614 McIntosh rings, hard rubber, A prolapsus, B anteversion, C retroversion	.75
E-1616 Menges, with detachable stem, 50 and 55 mm., each \$3.00; 60, 65 and 70 mm., each \$3.30; 75, 80, 85 and 90 mm., each.....	3.60
E-1615 Pear shape, soft rubber, for prolapsus.....	.50
E-1620 Ring, soft rubber, inflated, 4 sizes.....	.50
E-1622 Ring, soft rubber, inflatable, with stem, 4 sizes.....	.60
E-1625 Ring, soft rubber, with spiral spring.....	.50
E-1627 Ring, soft rubber, with copper wire insertion.....	.50
E-1629 Ring, thin, hard rubber, 9 sizes, 2 to 4 inch, in ¼ inches.....	.35
E-1630 Ring, hard rubber, concave, 9 sizes, 60 to 90 mm., in 5 mm.....	.60
E-1626 Ring, Meyer's, solid Para rubber, 55 to 75 mm., each \$0.70; 80 mm., \$0.80; 85 and 90 mm., each \$1.00; 95 mm., \$1.35; 100 mm.....	1.50
E-1628 Ring, Meyer's, hollow Para rubber, 55 to 75 mm., each \$0.50; 80 mm., \$0.60; 85 and 90 mm., each \$0.80; 95 mm., \$0.90; 100 mm.....	1.00
E-1632 Skene's cystocele, hard rubber, 3 sizes, each.....	1.50
E-1635 Smith's, hard rubber, retroversion, 7 sizes.....	.25
E-1640 Smith's, soft rubber, elastic.....	.60
E-1645 Thomas', hard rubber, anteversion.....	1.00
*E-1650 Thomas', hard rubber, anteversion.....	1.00
E-1655 Thomas-Smith's, hard rubber, retroflexion.....	.60
E-1660 Thomas-Smith's, soft rubber, elastic, retroflexion.....	1.00
E-1665 Zwank's, hard rubber.....	2.25

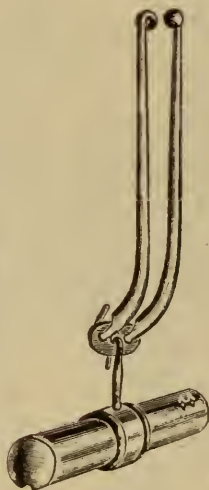
## OBSTETRIC INSTRUMENTS



E-1668



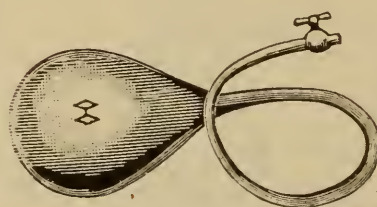
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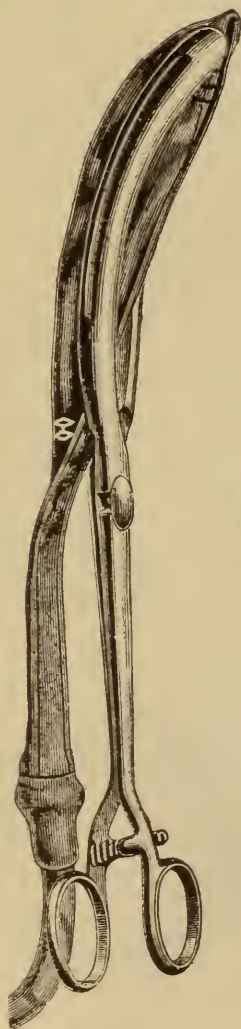
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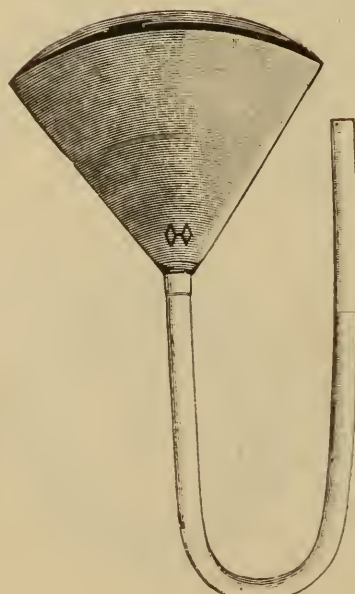
E-1667



E-1675



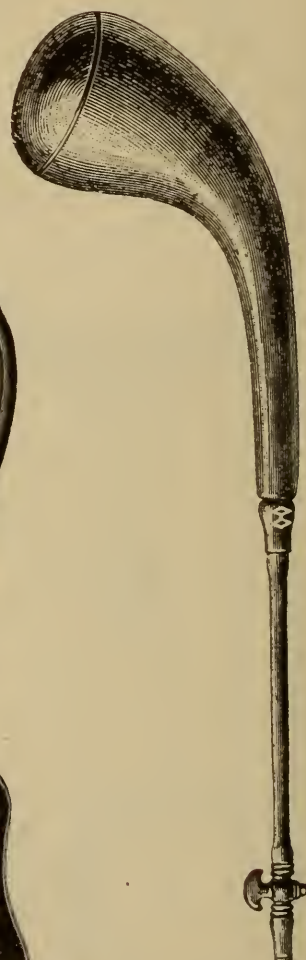
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E-1705



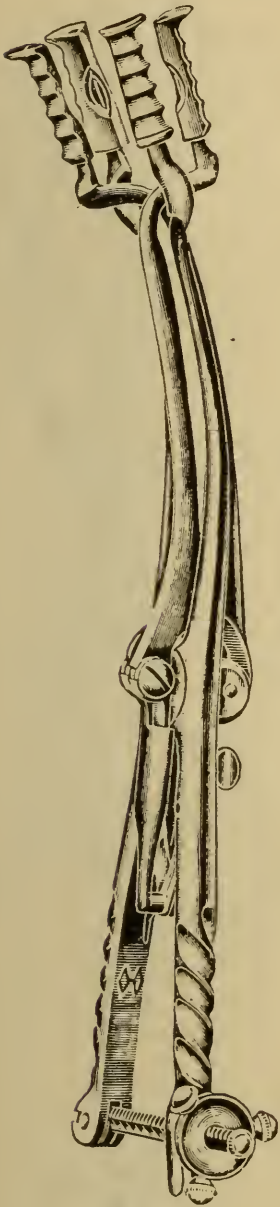
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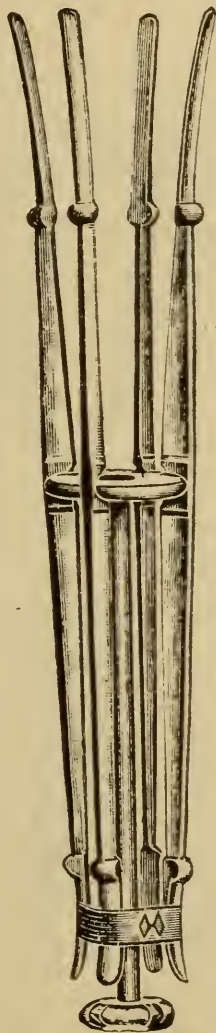
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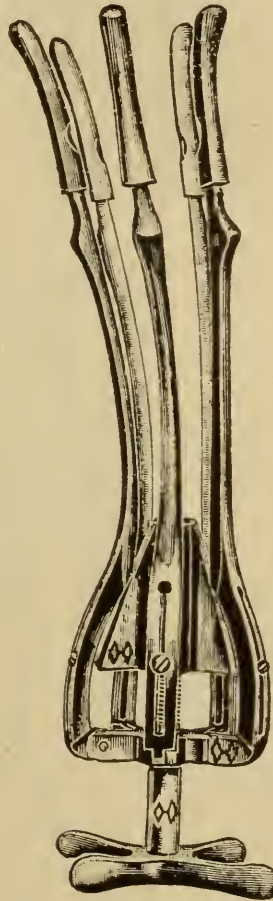
## OBSTETRIC INSTRUMENTS



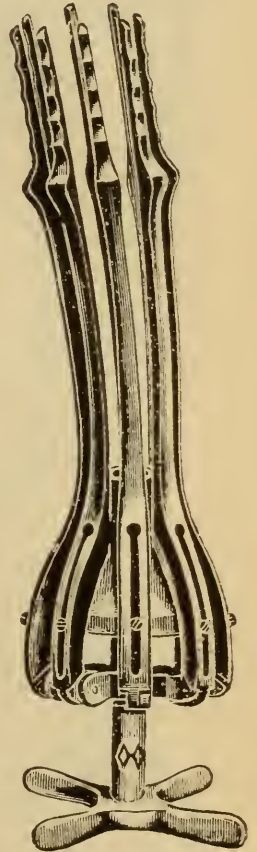
E-1716



E-1723



E-1720



E-1726

## ANAESTHESIA

E-1667	Bennett's, ether inhaler.....	\$ 1.25
E-1668	Reynold's, ether inhaler.....	2.00

## COLPEURYNTERS

E-1670	Barnes', soft rubber, 3 sizes, per set, \$1.50; each.....	.50
	Stop cock, extra.....	.25
E-1675	Braun's, soft rubber, with stop cock .....	1.50
*E-1680	Braun's, soft rubber, with stop cock and belt.....	3.50
E-1685	Champetier de Ribes, large pattern, with stop cock, 3 sizes, each.....	4.75
*E-1690	Champetier de Ribes, small pattern, no stop cock, 3 sizes, each.....	4.25
E-1695	Forceps, for introducing, large pattern.....	5.00
*E-1700	Forceps, for introducing, small pattern.....	4.00
E-1705	Voorhees', pear shaped, set of 6 sizes, \$5.00; each.....	1.00

## DILATORS

*E-1715	Bossi's, Aesculapius modification.....	36.00
E-1716	Bossi-Marelli's, 4 bladed.....	36.00
E-1720	Higgins', 5 blades.....	30.00
E-1723	Leavitt's, double ended, short broad blades for obstetric work, long slender blades for gynecic work.....	8.00
E-1726	Mundus, heavy.....	40.00

## OBSTETRIC FORCEP HANDLE CLAMP

*E-1790	Reynold's .....	1.75
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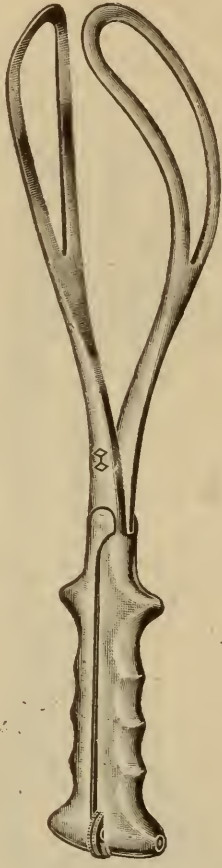
## OBSTETRIC FORCEP TRACTION HOOKS

E-1792	McClintock's, bar.....	2.00
E-1795	Reynold's, hooks.....	2.50

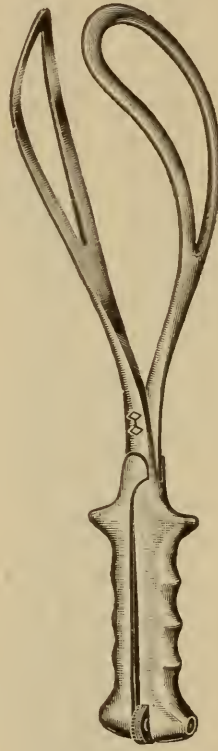
## OBSTETRIC INSTRUMENTS



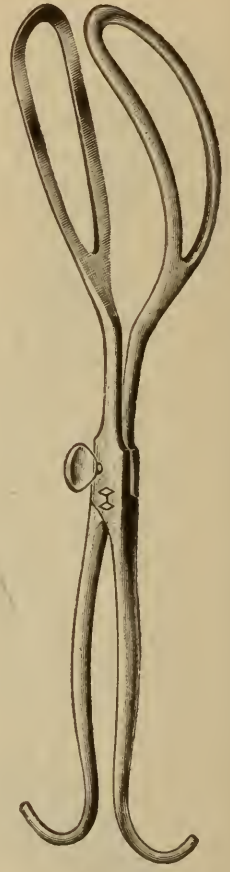
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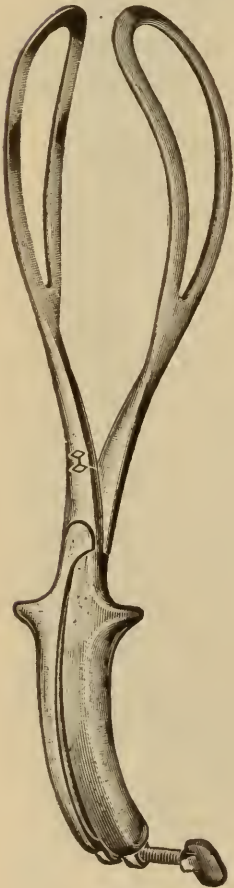
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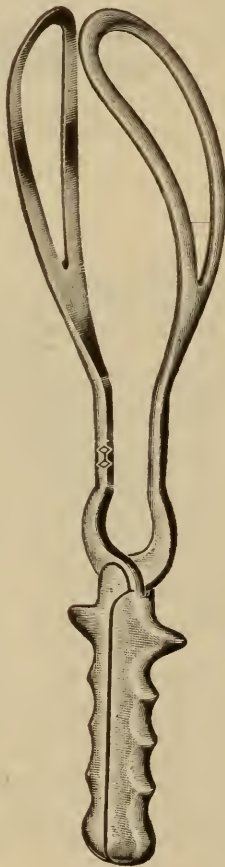
E-1740



E-1750



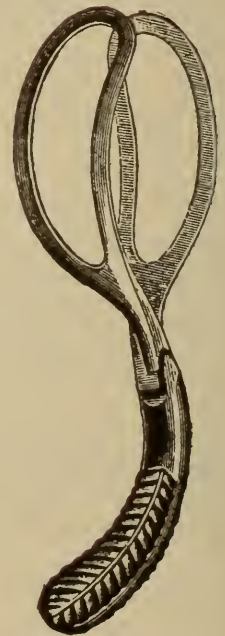
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E-1770



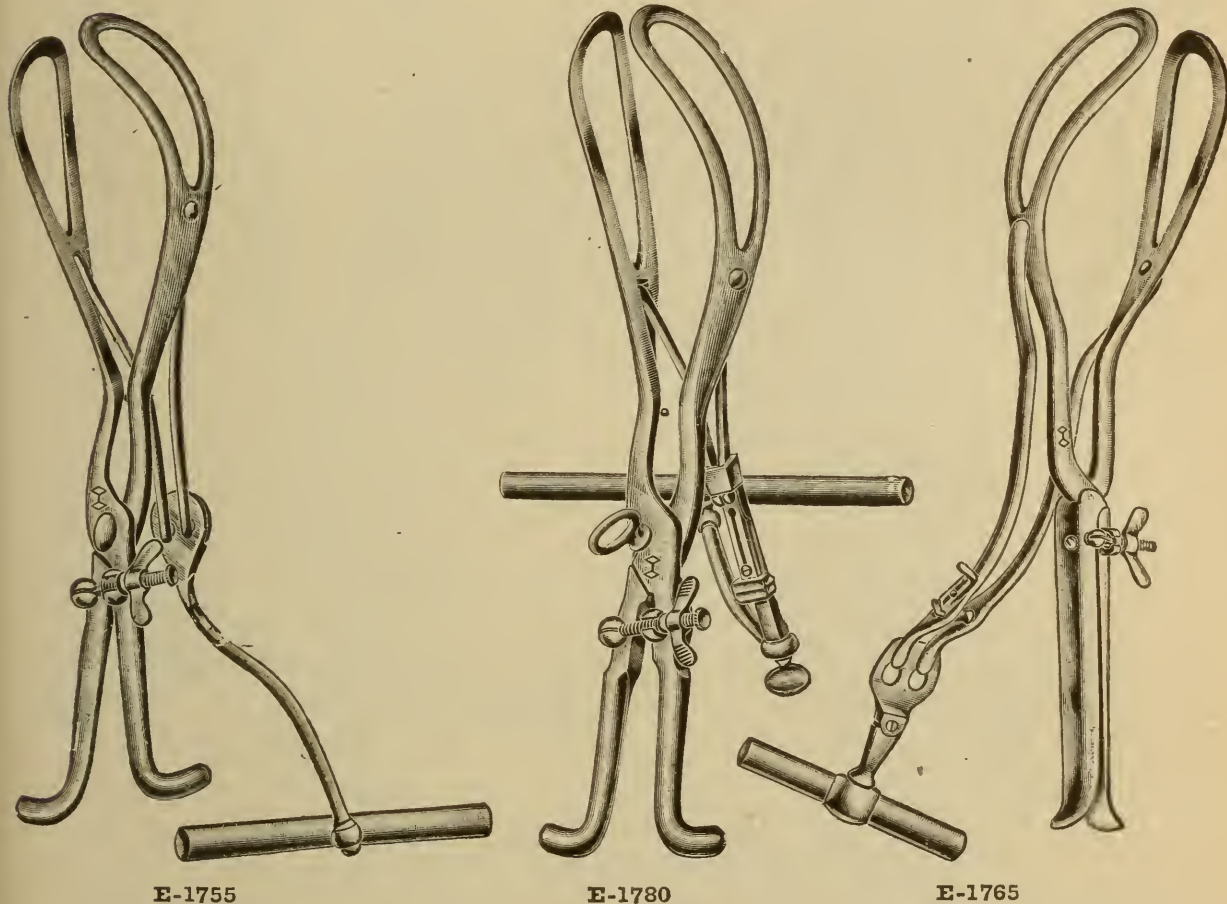
E-1775



E-1745



## OBSTETRIC INSTRUMENTS



E-1755

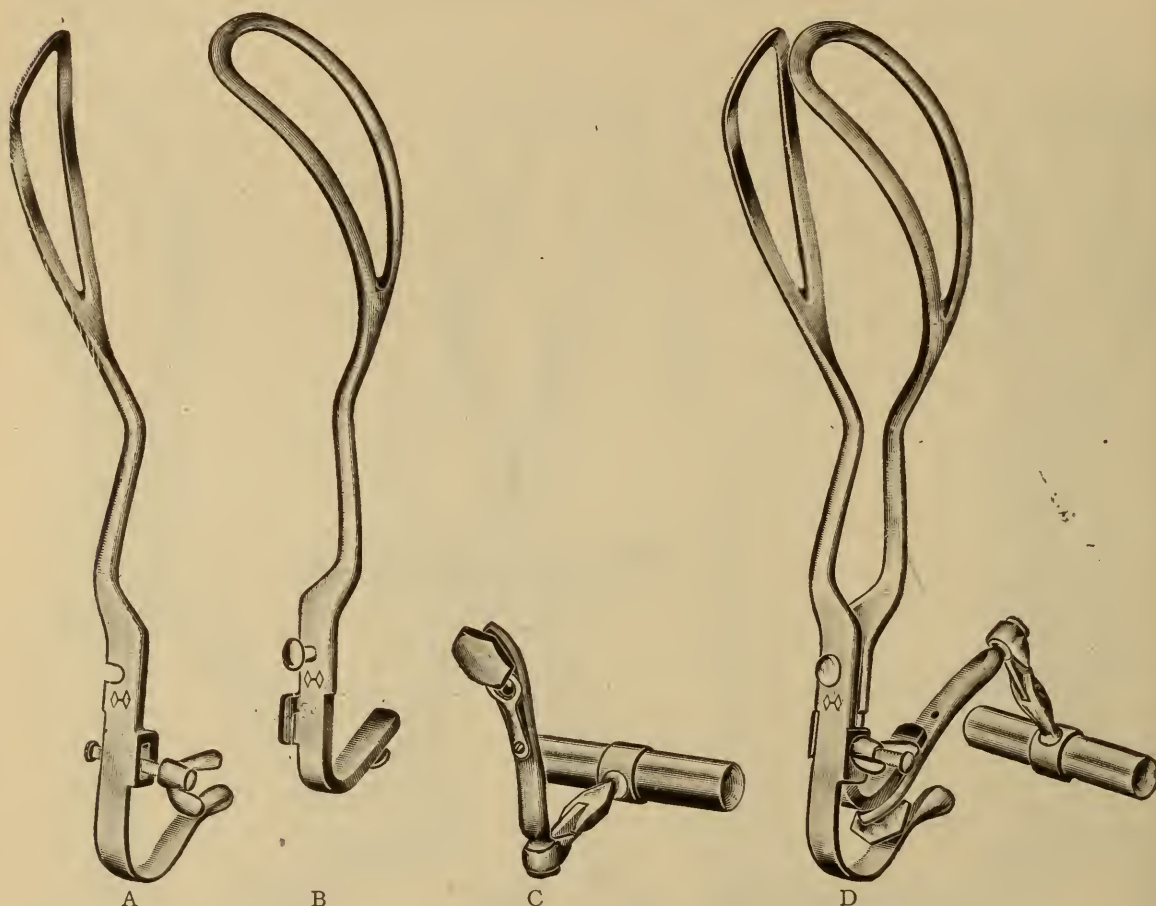
E-1780

E-1765

## OBSTETRIC FORCEPS

E-1730	Barnes-Simpson's, long.....	\$ 6.00
*E-1732	Boisliniere's (St. Louis), long.....	7.00
*E-1734	Braun's, modified Simpson, long.....	6.50
E-1735	Elliott's, long .....	5.00
E-1740	Elliott's, short .....	5.00
*E-1742	Felsenreich's, axis traction, long.....	18.00
*E-1744	Hale's, long .....	4.50
E-1745	Hale's, short .....	4.50
*E-1747	Higgin's, axis traction, complete with rod, long.....	7.50
E-1750	Hodge's, long.....	4.50
E-1755	Jewett's, axis traction, long.....	18.00
E-1760	Leavitt's, long.....	7.00
*E-1762	Lusk's, axis traction, long.....	18.00
*E-1764	McLean's, long, solid blade.....	7.00
E-1765	Milne-Murray's, axis traction.....	15.75
E-1770	Simpson's, long .....	5.00
E-1775	Simpson's, short .....	5.00
E-1780	Tarnier's, axis traction, long.....	18.00
*E-1785	Wallace's, long.....	4.75
*E-1786	Webster's, modification of Milne-Murray's, axis traction, same as E-1765	15.75
*E-1788	Willis', axis traction.....	12.00

## OBSTETRIC INSTRUMENTS

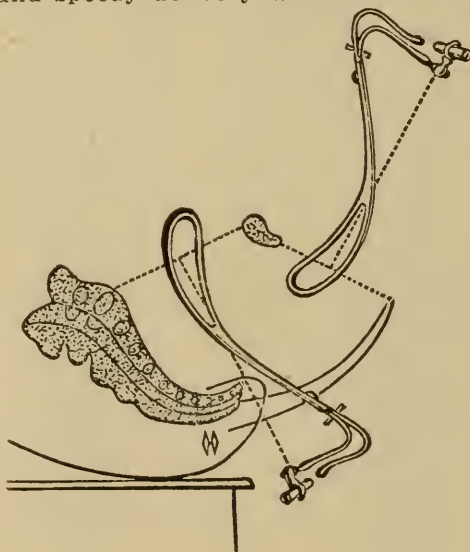
**E-1782. DEWEES' AXIS TRACTION FORCEP**

A, superior blade; B, inferior blade; C, traction handle; D, complete forceps

**To Illustrate Correct Axis-Traction by Dewees' Forceps**

The axis-traction principle lies in making traction in a line following the exact axis of the true pelvis, from brim to outlet. Correct traction meets with equal resistance anteriorly and posteriorly, with less tractile force, less compression on the child, less damage and risk to the maternal soft parts, and favors spontaneous rotation. Therefore, a correct knowledge of the child's position and the shape of the birth canal, and the skillful use of this simplified and dependable axis-traction device, enables us to make a more easy and speedy delivery with less risk to both mother and child.

This new forceps does away with the complicated and cumbersome attachments of the Tarnier Forceps and other models. Its most important new feature is the construction of the perineal curve with a dependable indicator, and providing the same in the handle which serves for traction.

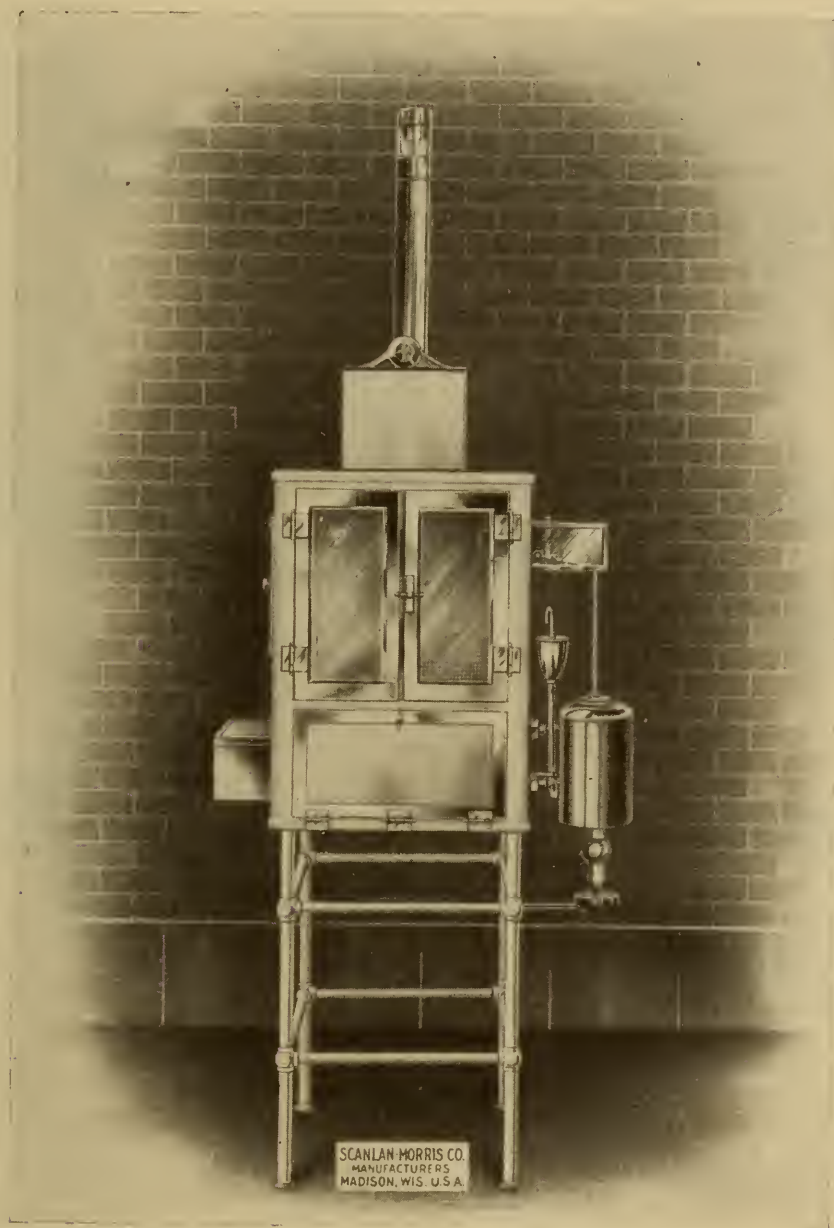


The proper use of this new forceps makes axis-traction perfect, easy and simple. The indicator is constantly in the sentient hand of the operator, who thus at every moment knows exactly through his eye and conscience musculaire, the direction of correct axis-traction.

Price .....\$17.50



## THE DeLEE INFANT INCUBATOR



INCUBATOR

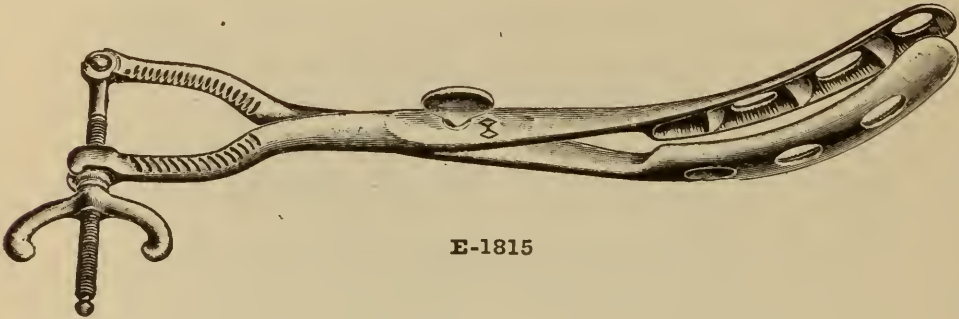
Infant Incubator, devised by Dr. J. B. DeLee; in use at the Chicago Lying-in Hospital

The DeLee incubator is built of steel and glass, so constructed as to permit of the thorough cleansing of all parts. All parts of the apparatus are carefully and accurately made. The body of the incubator and stand are finished in aluminum bronze; the doors fitted with plate glass.

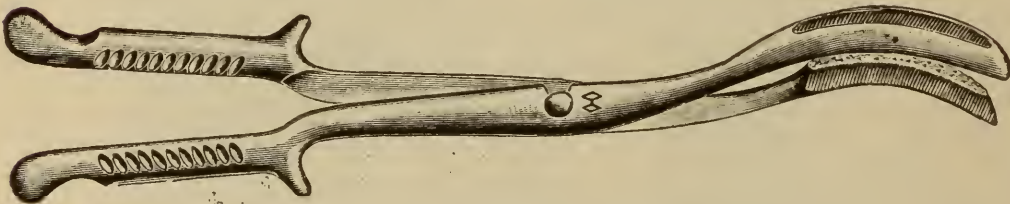
Circular giving full description and price mailed upon request.

- E-1802 DeLee's Infant Incubator, gas heated.....\$175.00  
 E-1803 DeLee's Infant Incubator, electrically heated, price on application.

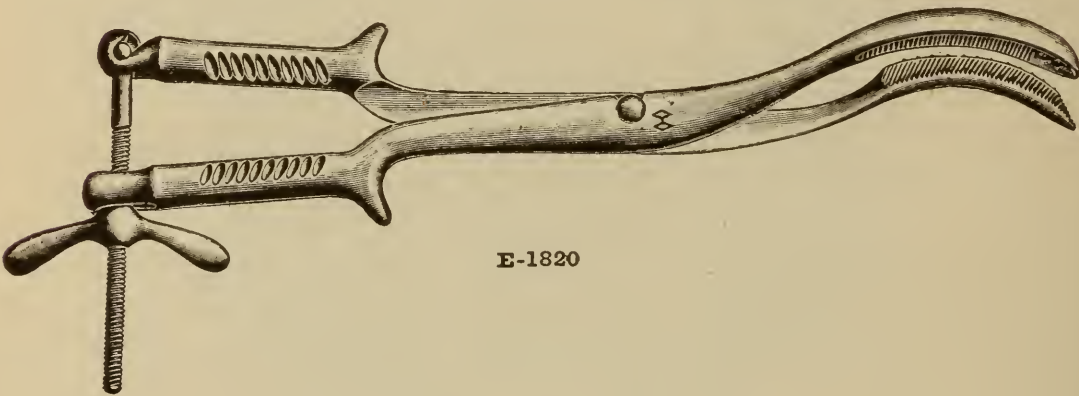
OBSTETRIC INSTRUMENTS



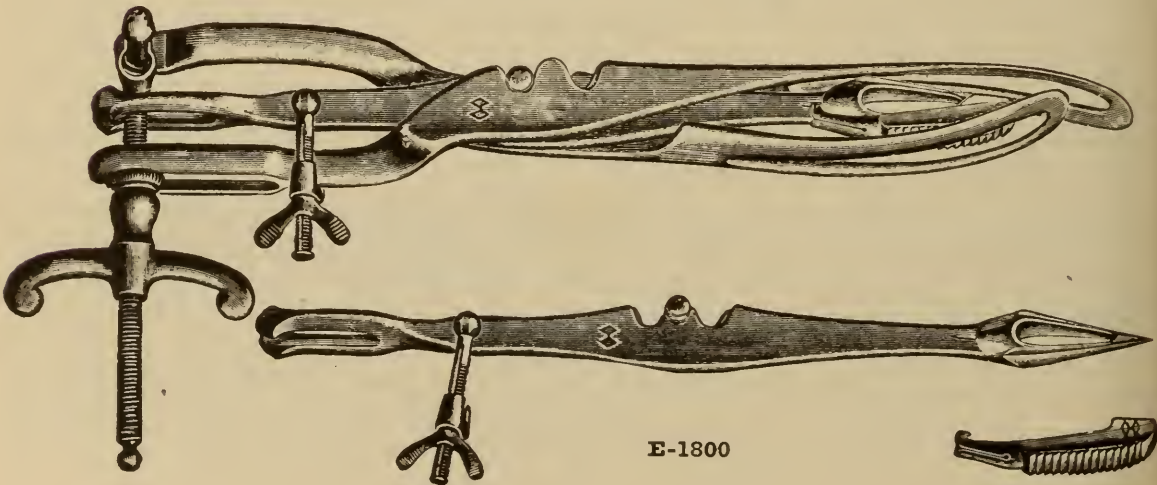
E-1815



E-1825



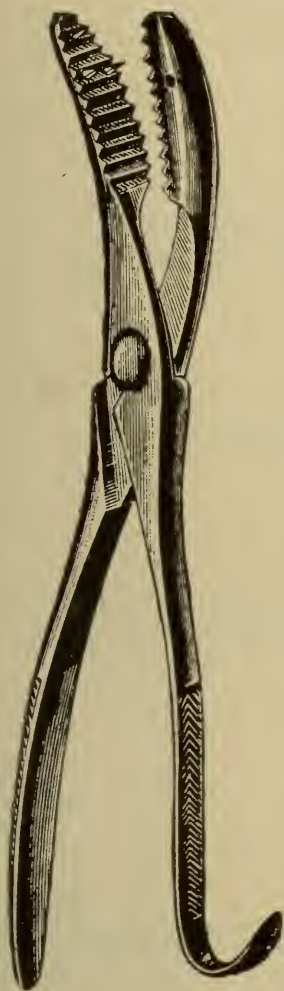
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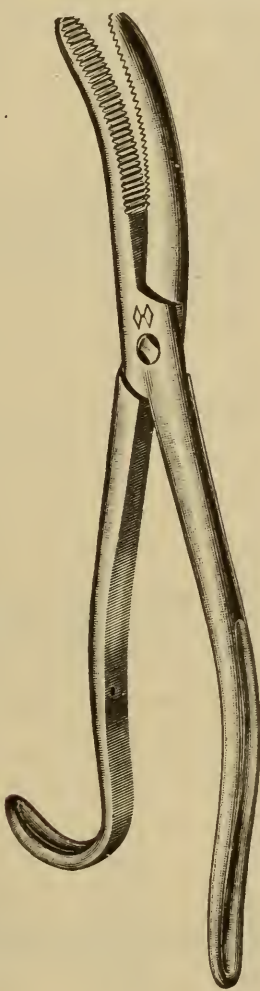
E-1800



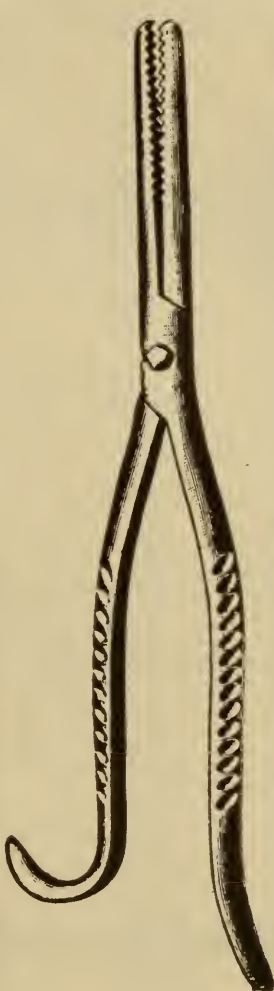
OBSTETRIC INSTRUMENTS



E-1840



E-1828



E-1835



E-1845

BASIOTRIBES

E-1800	Tarnier's, with perforator, latest model.....	\$35.00
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CEPHALOTRIBES

*E-1805	Braun's .....	25.00
*E-1810	Lusk's, aseptic.....	18.50
E-1815	Tarnier's, latest.....	30.00

CRANIOCLASTS

E-1820	Braun's, aseptic.....	12.00
E-1825	Simpson's, aseptic.....	9.25

CRANIOTOMY FORCEPS

E-1828	Elliott's, curved.....	3.50
*E-1830	Meig's, curved .....	4.25
E-1835	Meig's, straight .....	4.00
E-1840	Thomas' .....	5.00

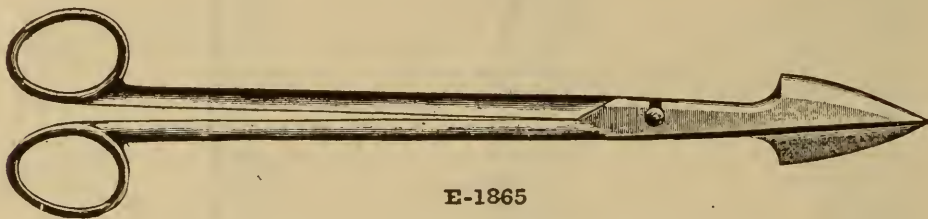
VECTIS

E-1845	Plain, with blunt hook.....	2.00
*E-1850	Plain, with handle .....	2.50

## OBSTETRIC INSTRUMENTS



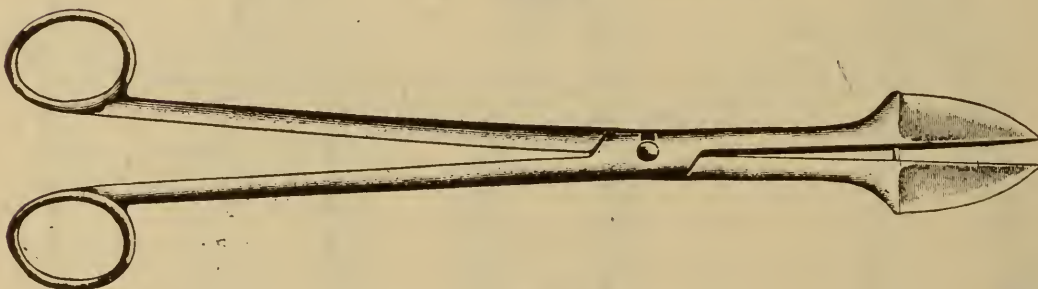
E-1905



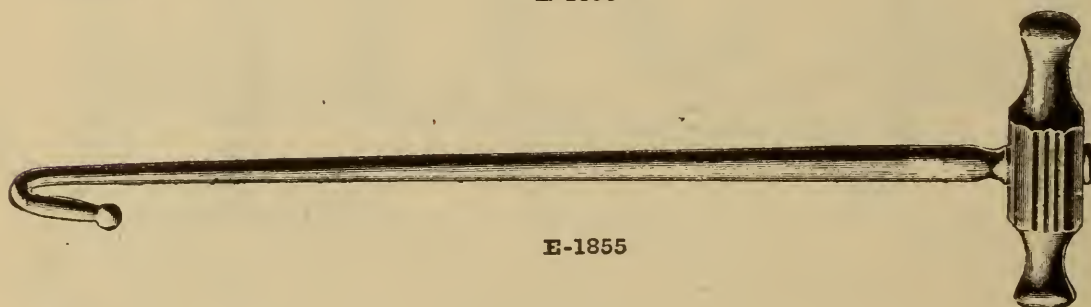
E-1865



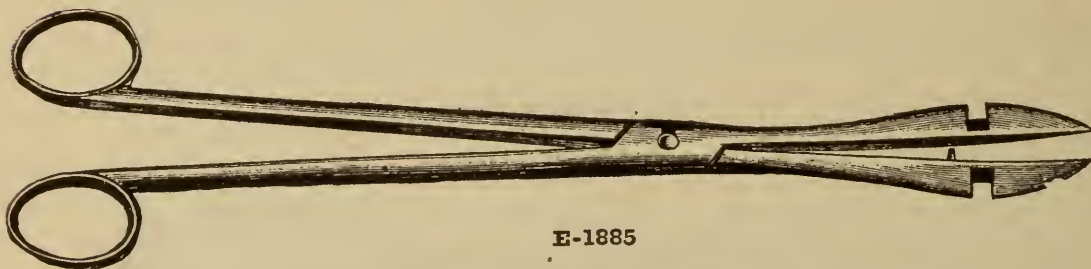
E-1915



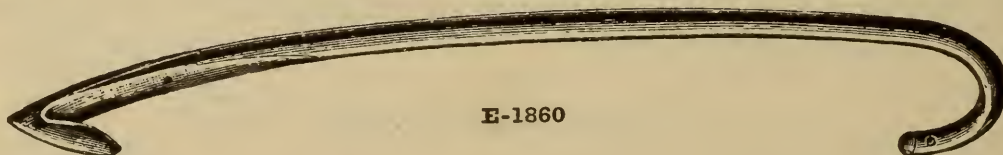
E-1895



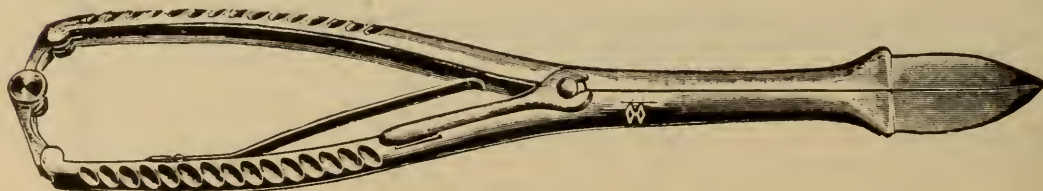
E-1855



E-1885



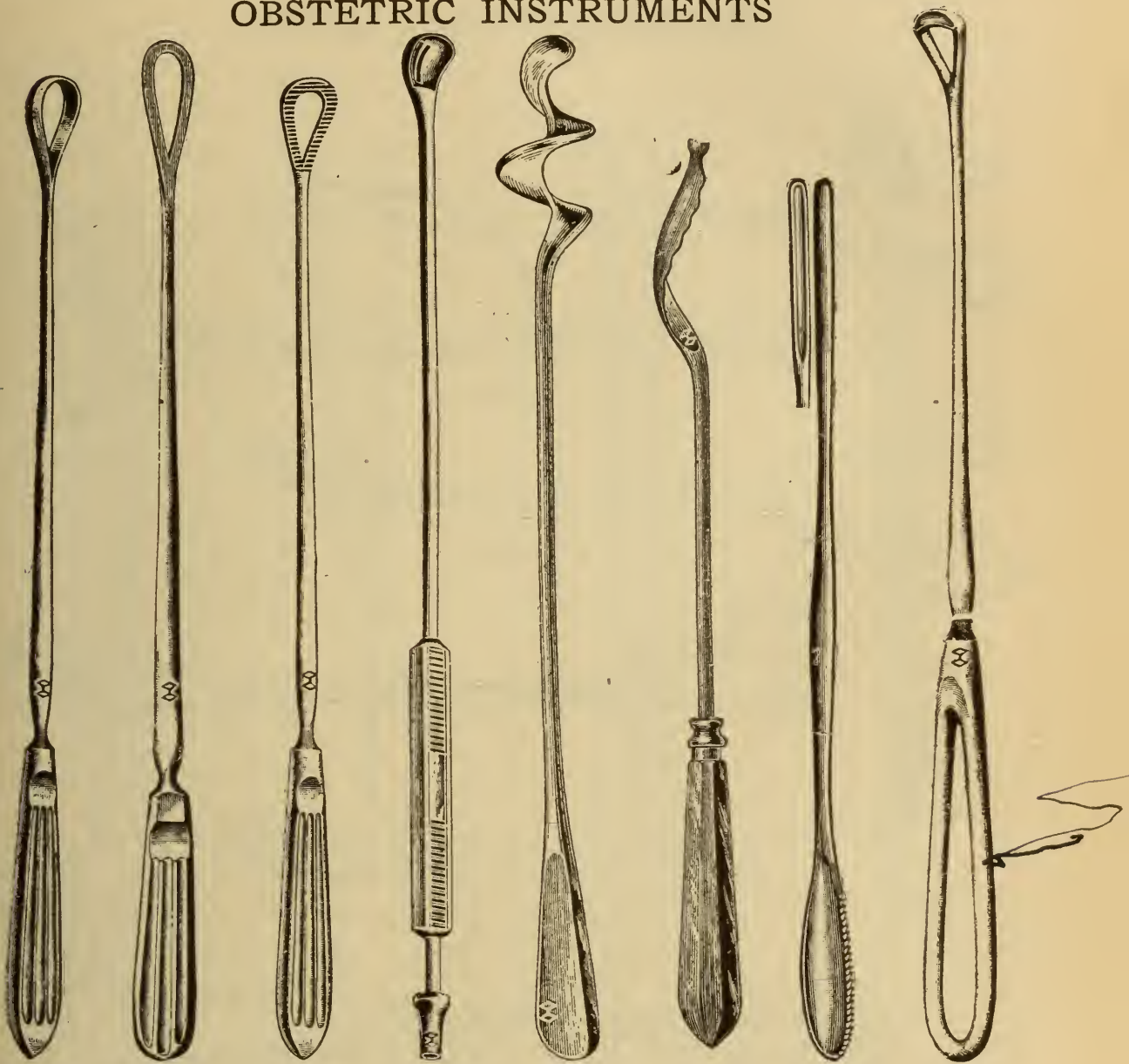
E-1860



E-1875



OBSTETRIC INSTRUMENTS



E-1952      E-1945      E-1943      E-1942      E-1955      E-1920      E-1910      E-1944

BLUNT HOOKS

E-1855	Braun's .....	\$2.50
E-1860	Plain, with crochet.....	1.50

PERFORATORS

E-1865	Bedford's .....	2.50
*E-1870	Blot's .....	6.75
*E-1872	Braun's, trephine perforator.....	10.50
E-1875	Naegeli's .....	5.00
E-1885	Simpson's, original model.....	3.00
E-1895	Smellie's .....	2.50
*E-1900	Thomas' .....	7.00

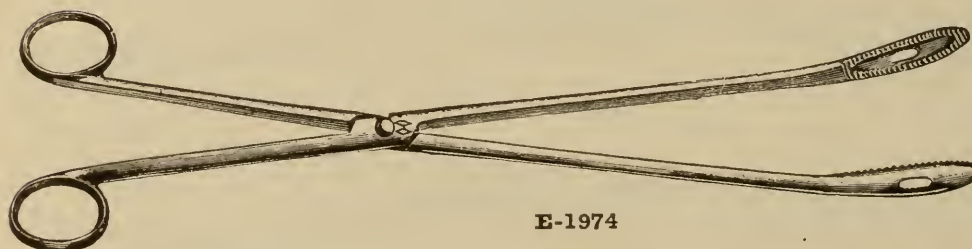
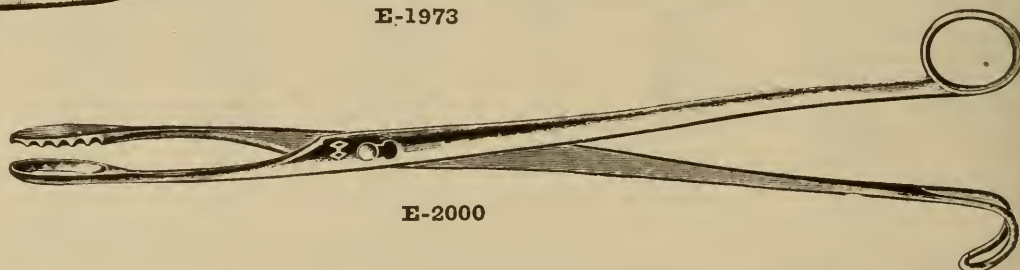
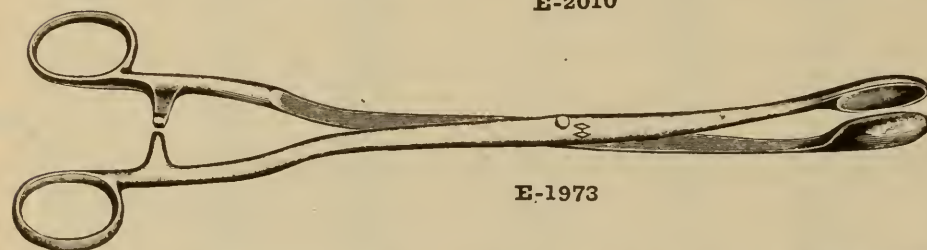
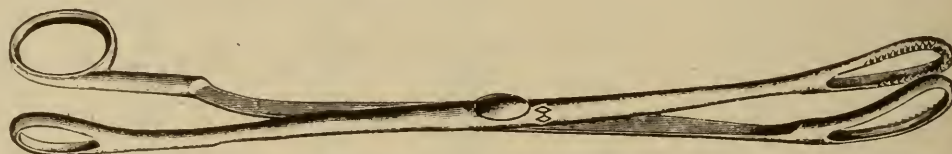
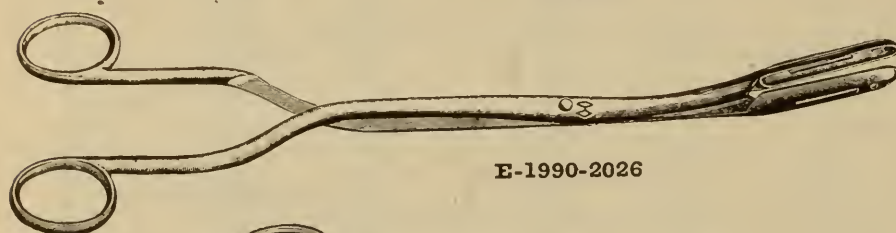
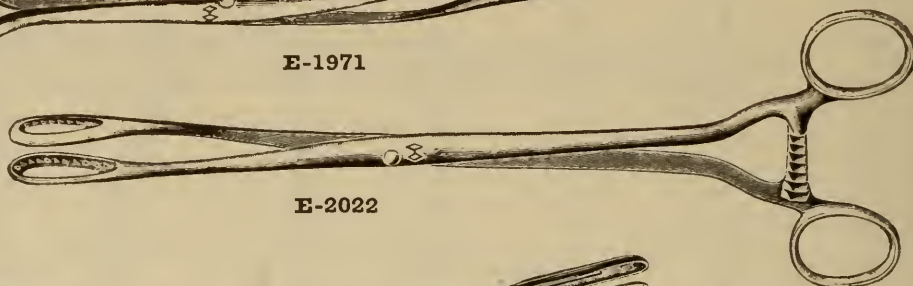
PLACENTA CURETTES

E-1905	Dewey's, with hook.....	1.25
E-1910	Engelman's, serrated edge .....	3.00
E-1915	Leavitt's, hook shape.....	1.35
E-1920	McDade's, plain .....	2.00
*E-1925	McDade's, serrated edge.....	2.00
*E-1940	McDade's, serrated edge, irrigating.....	3.50
E-1942	Goldstein's, irrigating.....	1.50
E-1943	Green's, serrated.....	1.85
E-1944	Hirst's, 2 sizes, each.....	2.75
E-1945	Munde's, original .....	2.00
*E-1946	Munde's, improved, broad flat blade, 3 sizes, each.....	1.75
E-1952	Reynold's, 3 sizes, each.....	1.75
*E-1954	Reynold's, rinsing, 3 sizes, each.....	2.00
E-1955	Spiral, 2 sizes, each.....	1.25
*E-1960	Winter's, abortion.....	3.00

EMBRYOTOMY KNIVES

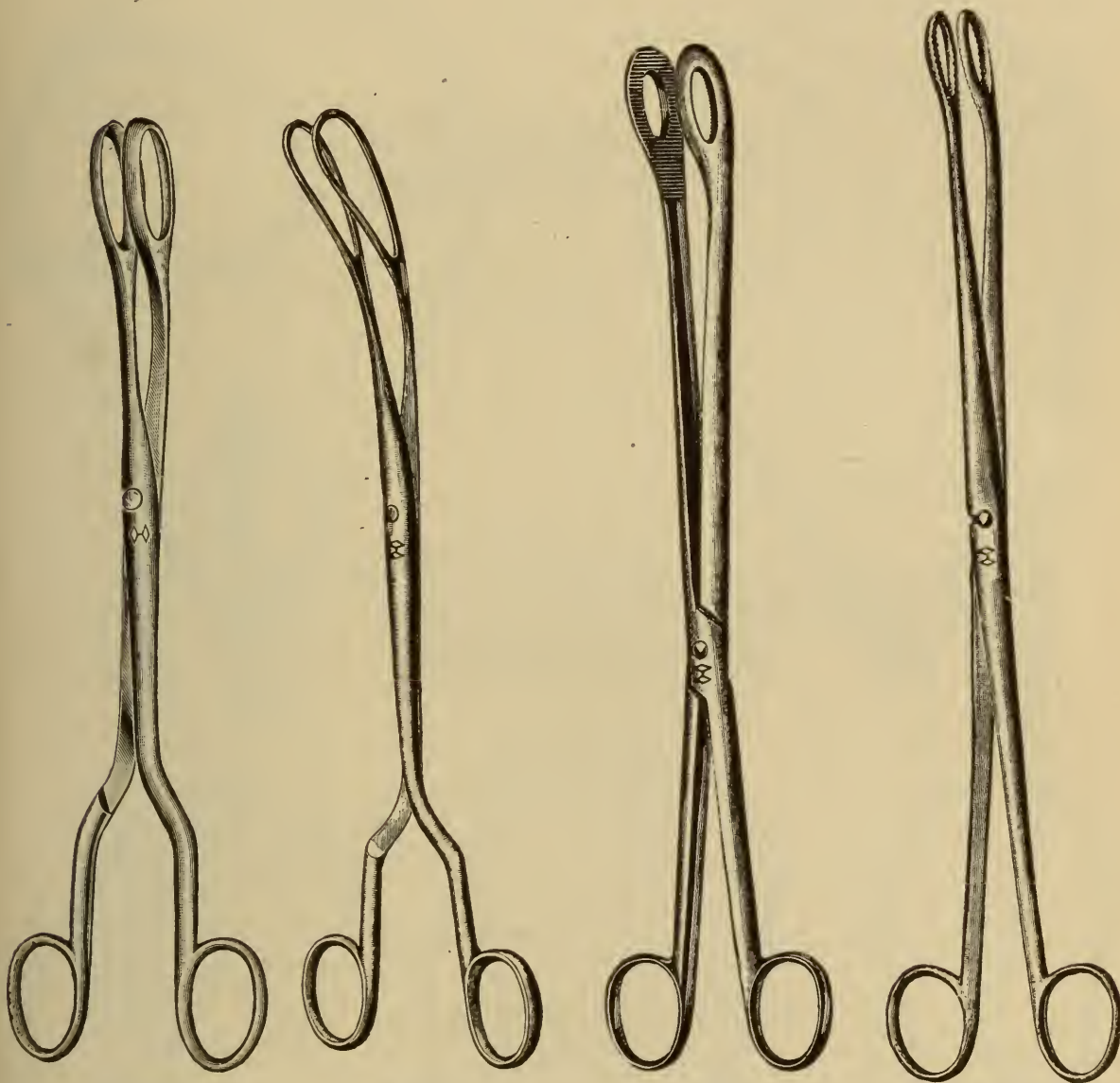
*E-1965	Braun's .....	4.00
*E-1970	Schultze's .....	5.00

## OBSTETRIC INSTRUMENTS





## OBSTETRIC INSTRUMENTS



E-1986

E-2027

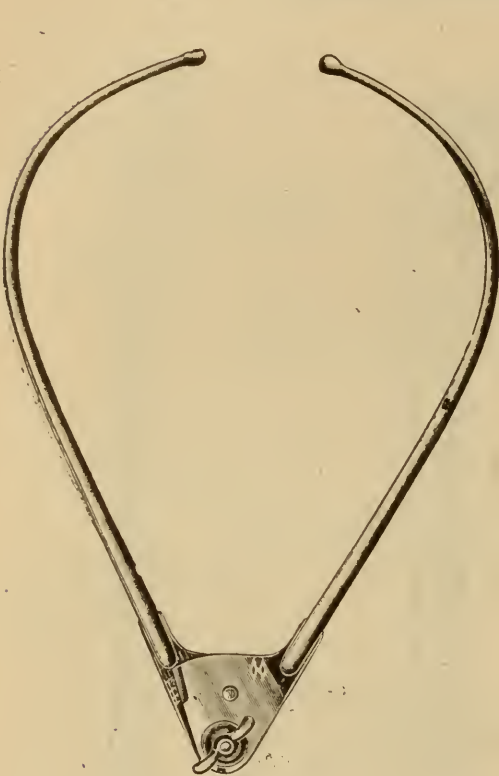
E-2020

E-2005

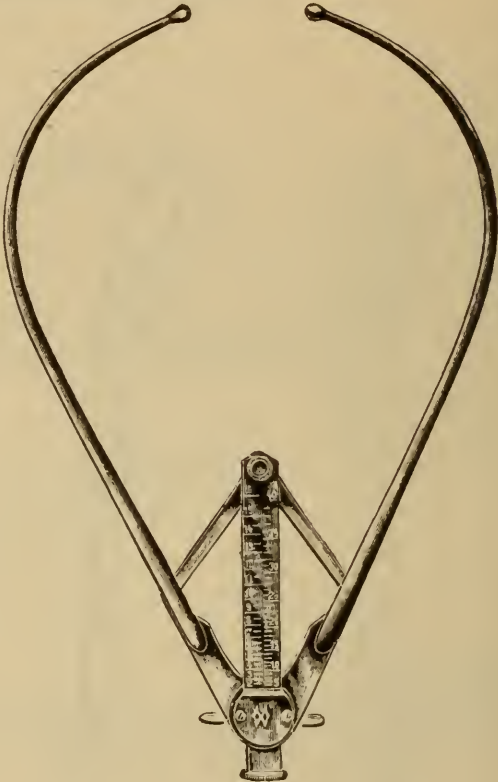
## PLACENTA FORCEPS

E-1971	Barrett's, small .....	\$2.25
E-1972	Barrett's, large .....	2.50
E-1973	Boldt's .....	3.00
E-1974	Bond's .....	2.50
E-1975	Budd's .....	2.50
*E-1980	Chamberlain's .....	3.75
E-1986	Corey's, latest.....	3.75
E-1990	Emmet's, curette.....	3.75
*E-1995	Grosvenor's .....	2.50
E-2000	Haslam's, combined with hook and curette.....	2.75
E-2005	Kelly's .....	2.50
E-2010	Leonard's, combined with curette.....	5.50
*E-2015	Loomis' .....	4.75
E-2020	Munde's .....	2.50
E-2022	Saenger's .....	3.25
*E-2025	Schnetter's .....	3.75
E-2026	Tiermann's, embryotomy.....	3.75
E-2027	Ward's .....	3.00

OBSTETRIC INSTRUMENTS



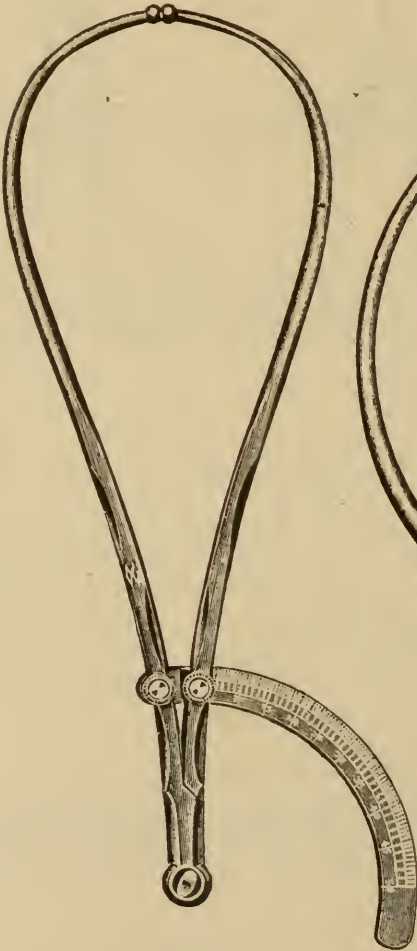
E-2035



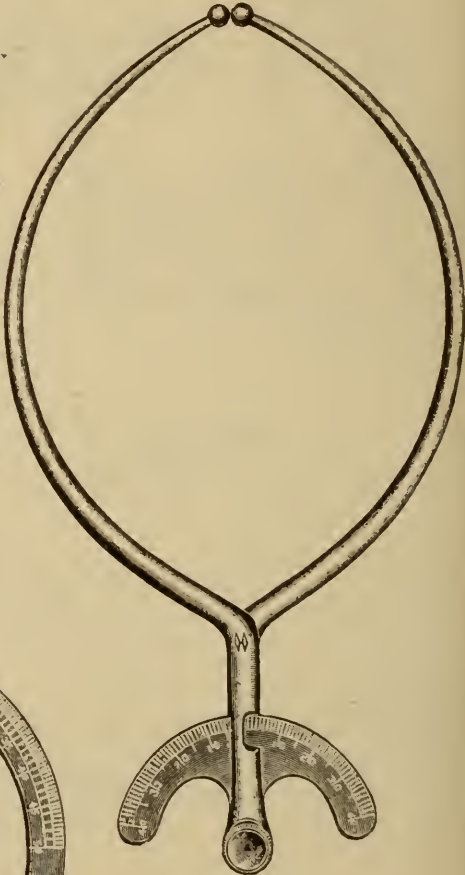
E-2030



E-2040



E-2050



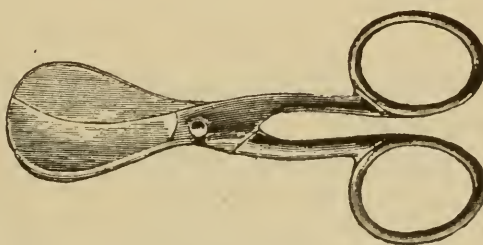
E-2028



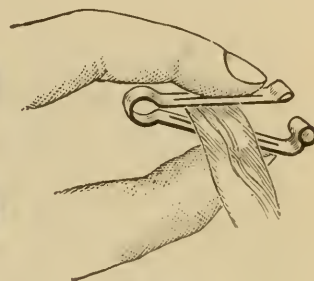
## OBSTETRIC INSTRUMENTS



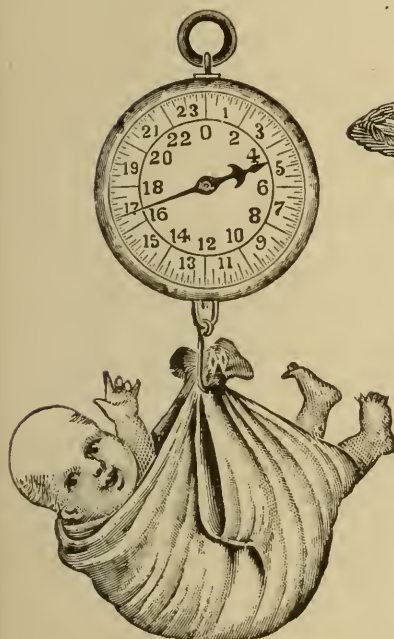
E-2055



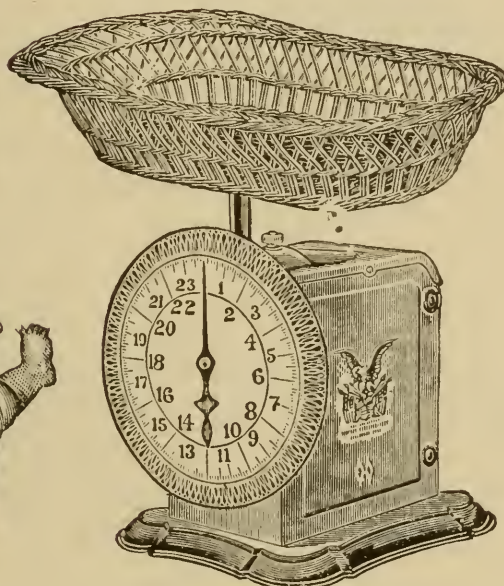
E-2060



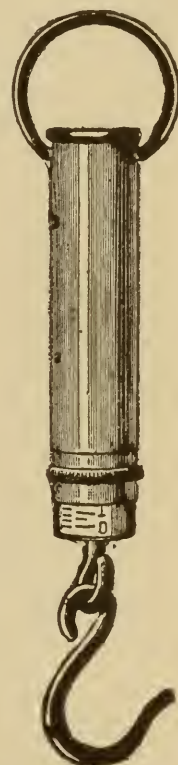
E-2058



E-2077



E-2078



E-2075

## PELVIMETERS

E-2028	Breisky's .....	8.00
E-2030	Carsten-Collyer's .....	3.50
E-2040	Collins' .....	5.75
E-2035	Collyer's steel .....	3.50
E-2036	Collyer's, bronze .....	2.75
E-2050	Martin's .....	6.00

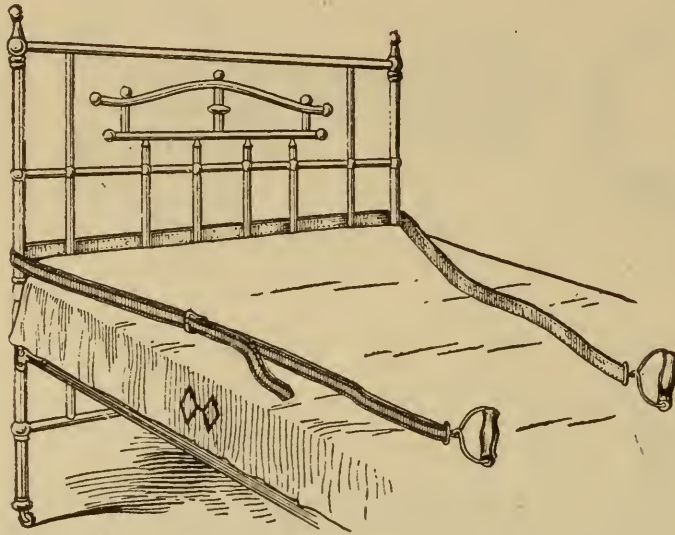
## SUNDRIES

E-2055	Perineal Guard, Tucker's .....	1.00
E-2058	Umbilical Clamp, Surehold, each, 25c; per doz. ....	2.25
E-2060	Umbilical Scissors, American pattern .....	1.25
*E-2070	Umbilical Scissors, straight .....	1.25

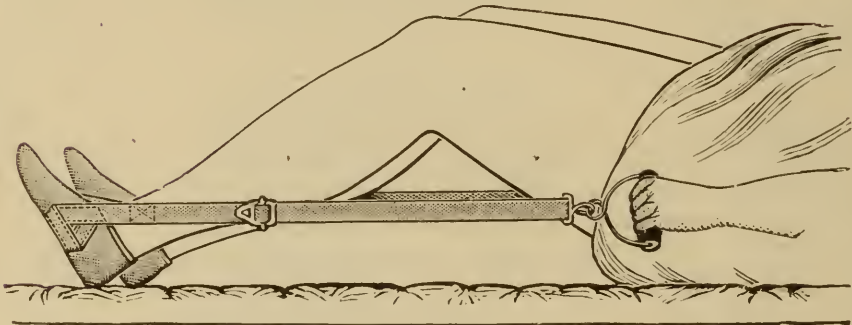
## BABY SCALES

E-2075	Professional, spring, weighing up to 10 lbs. by $\frac{1}{4}$ lb. ....	.50
E-2076	Professional, spring, weighing up to 20 lbs., by $\frac{1}{4}$ lb. ....	.50
E-2077	Champion, brass dial, nickel plated, weighs up to 25 lbs. by ounces. ....	4.50
E-2078	Ideal, extra large dial, silver finish and gold border. Scale made of steel, beautifully finished in silver enamel. Willow basket can be removed. Weighs up to 24 lbs. by ounces. With white enameled willow basket	8.00

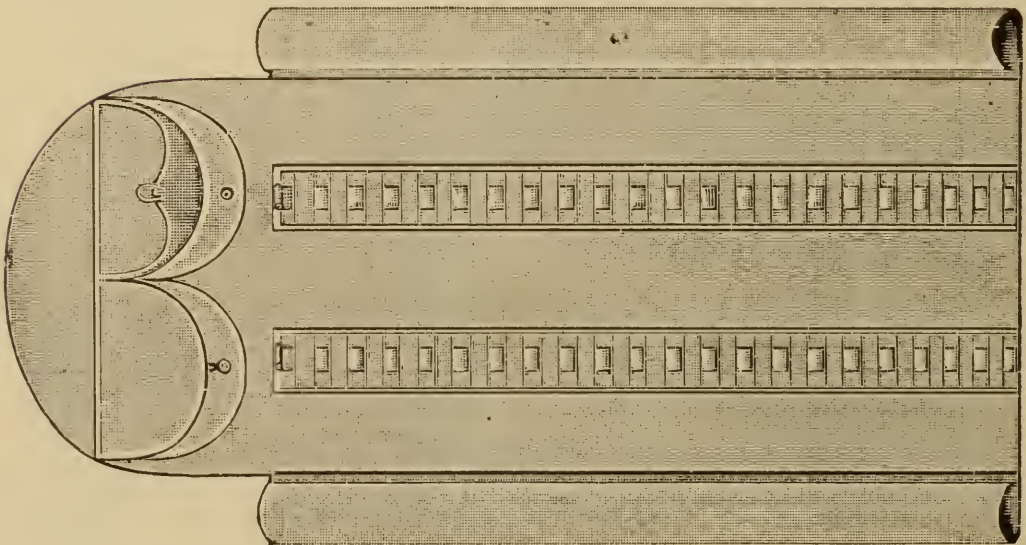
## OBSTETRIC SUNDRIES



E-2082



E-2080



E-2115-2185



OBSTETRIC SUNDRIES



FRONT  
E-2190



BACK  
E-2190



E-2194

OBSTETRIC AIDS

E-2082	Sterling-Lopez's, obstetric bed straps, adjustable.....	1.00
E-2085	Klein's, obstetric slippers, leather.....	6.00
E-2082	Sterling-Lopez', obstetric bed straps, adjustable.....	1.00

WASHABLE CANVAS INSTRUMENT ROLLS

Single Row of Loops

		Price White Canvas	Price Tan Khaki
E-2115	Instrument Roll, No. 1, 12x23 in., 13 loops.....	\$0.90	\$1.75
E-2125	Instrument Roll, No. 2, 12x29 in., 17 loops.....	1.00	1.85
E-2135	Instrument Roll, No. 3, 12x35 in., 21 loops.....	1.10	2.00
E-2145	Instrument Roll, No. 4, 15x23 in., 13 loops.....	1.00	1.85
E-2155	Instrument Roll, No. 5, 15x29 in., 17 loops.....	1.10	2.00
E-2165	Instrument Roll, No. 6, 15x35 in., 21 loops.....	1.20	2.15
E-2170	Instrument Roll, No. 8, 8x12 in., 13 loops.....	.65	1.00

Double row of loops

E-2120	Instrument Roll, No. 1, 12x23 in., 26 loops.....	\$1.18	\$1.90
E-2130	Instrument Roll, No. 2, 12x29 in., 34 loops.....	1.25	2.10
E-2140	Instrument Roll, No. 3, 12x35 in., 42 loops.....	1.35	2.25
E-2150	Instrument Roll, No. 4, 15x23 in., 26 loops.....	1.25	2.10
E-2160	Instrument Roll, No. 5, 15x29 in., 34 loops.....	1.35	2.25
E-2168	Instrument Roll, No. 6, 15x35 in., 42 loops.....	1.45	2.40
E-2175	Instrument Roll, No. 8, 8x12 in., 26 loops.....	.88	1.15
E-2180	Instrument Roll, No. 13, 14½x32 in., 22 loops.....	1.45	
E-2185	Instrument Roll, No. 20, 15½x35 in., 20 loops.....	1.75	

SURGEONS' GOWNS

E-2190	S. A. S. operating gown, short sleeves, each.....	\$2.00
E-2192	S. A. S. operating gown, long sleeves, each.....	2.00
E-2194	S. A. S. plain operating gown, short sleeves, each.....	1.50
E-2196	S. A. S. plain operating gown, long sleeves, each.....	1.50

These gowns are made in the following lengths and chest measurements; special sizes are made to order:

Length .....	50 in.	50 in.	52 in.	54 in.	56 in.	58 in.	60 in.
Chest .....	38 in.	40 in.	42 in.	44 in.	46 in.	48 in.	48 in.

## INSTRUMENT SATCHELS

Specify "Welemaco" Make



### E-2202. OBSTETRIC BAG NO. A401

Dimensions: 5 inches wide and 5½ inches high to top of frame. Made of the finest black seal grain bag leather. Leather covered steel frame, with solid brass lock and slide catches, full leather lined.

A very handsome bag.

#### Prices

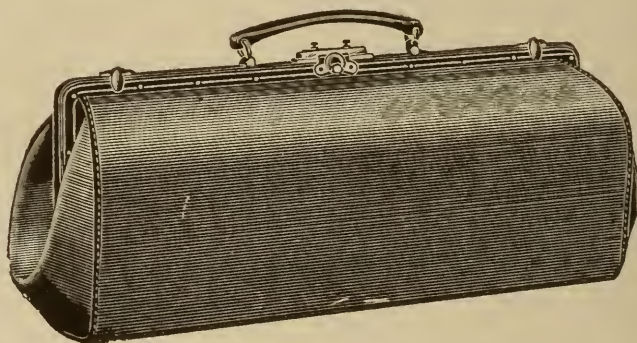
12 inches long, leather lined.....	\$5.50	16 inches long, leather lined.....	\$7.00
14 inches long, leather lined.....	6.00	17 inches long, leather lined.....	7.50
15 inches long, leather lined.....	6.50	18 inches long, leather lined.....	8.00
Fitted with six 1½ ounce G. S. bottles on removable tray, extra.....		1.10	
Fitted with six 1½ ounce G. S. and M. C. bottles on removable tray, extra		1.70	

### E-2204. BERLIN STYLE NO. A76 BAG

Made of the finest black smooth sole leather. 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.....	\$7.00
14 inches long.....	7.50
16 inches long.....	8.00

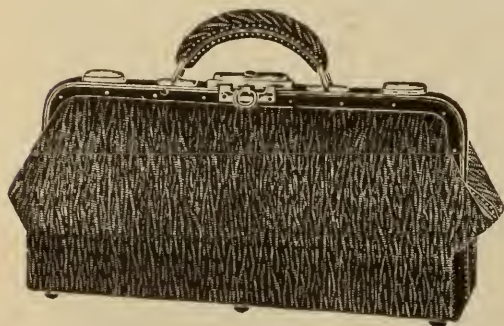


### E-2206. OBSTETRIC BAG NO. A2

Dimensions: 8½ inches high to top of frame and 5¾ inches wide.

Made of the finest black walrus grain leather.

Steel frame covered with leather, solid brass trimmings. No seams or welting on corners or edges. Made of two pieces of leather only. Full leather lined.



#### Prices

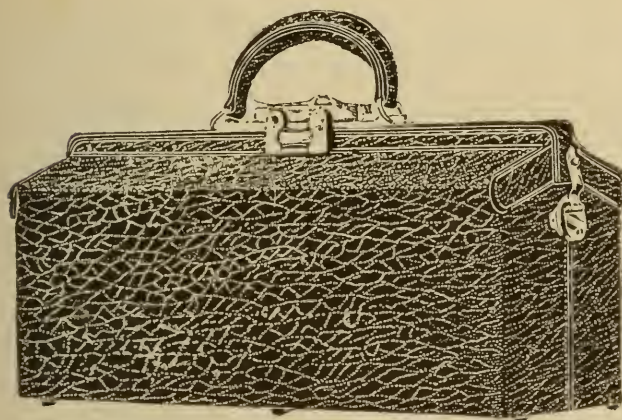
16 inches long.....	\$9.50
17 inches long.....	9.50
Fitted with six 1½ ounce G. S. bottles, extra.....	1.10
Fitted with six 1½ ounce G. S. and M. C. bottles, extra.....	1.70

Prices quoted on this page are not guaranteed and are subject to change without notice.



## INSTRUMENT SATCHELS

Specify "Welemaco" Make

**E-2200. OBSTETRIC BAG NO. A70**

Square, cabinet bag style,  $6\frac{1}{2}$  inches wide,  $7\frac{1}{2}$  inches high. Opens on top. Made in two pieces of the finest black walrus grain bag leather. No seams on edges. Full leather lined. Nickel plated trimmings.

**Prices Without Bottles**

15 inches long.....	\$11.00
16 inches long.....	11.50
17 inches long.....	12.00

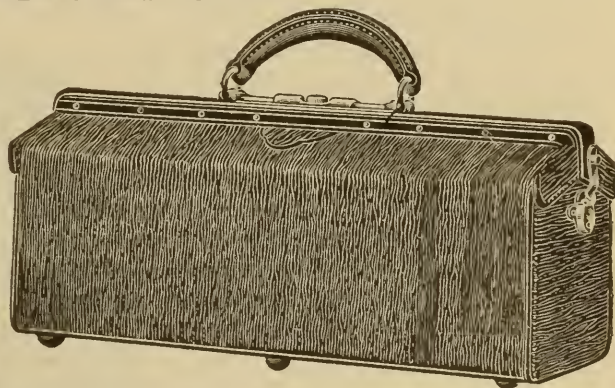
Fitted with six  $1\frac{1}{2}$  ounce G. S. bottles on removable pad, extra..... 1.10  
 Fitted with six  $1\frac{1}{2}$  ounce G. S. and M. C. bottles on removable pad, extra..... 1.70

**E-2208. OBSTETRIC BAG NO. A405**

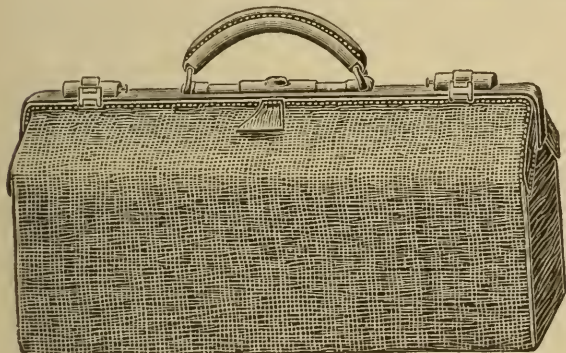
Dimensions: 6 inches wide and 7 inches high to top of frame.

Cabinet style. Leather covered steel frame with solid brass lock and end catches.

Made of the finest black long walrus grain bag leather. Full leather lined. A very fine, serviceable bag.

**Prices Without Bottles**

15 inches long.....	\$10.75	17 inches long.....	\$11.50
16 inches long.....	11.00	18 inches long.....	11.75
Fitted with six $1\frac{1}{2}$ ounce G. S. bottles on removable pad, extra.....	1.10		
Fitted with six $1\frac{1}{2}$ ounce G. S. and M. C. bottles on removable pad, extra.....	1.70		

**E-2205. OBSTETRIC BAG NO. A83**

The finest and best made bag of its kind. Square cabinet style.  $6\frac{1}{2}$  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. No equal of its kind on the market.

**Prices Without Bottles**

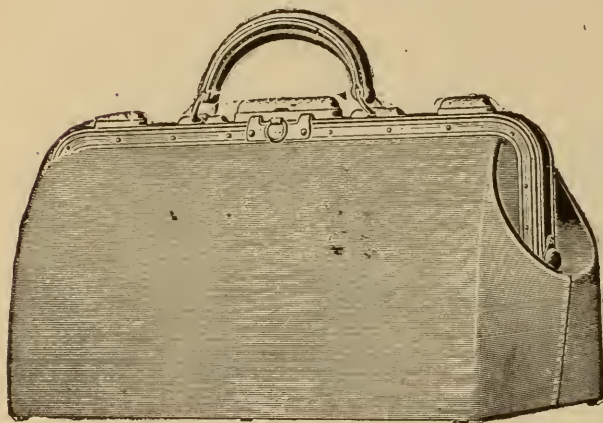
15 inches long, leather lined.....	\$13.80	17 inches long, leather lined.....	\$14.50
16 inches long, leather lined.....	14.10	18 inches long, leather lined.....	15.50
Fitted with six $1\frac{1}{2}$ ounce G. S. bottles on removable tray, extra.....	1.10		
Fitted with six $1\frac{1}{2}$ ounce G. S. and M. C. bottles on removable tray, extra.....	1.70		

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## INSTRUMENT SATCHELS

Specify "Welemaco" Make

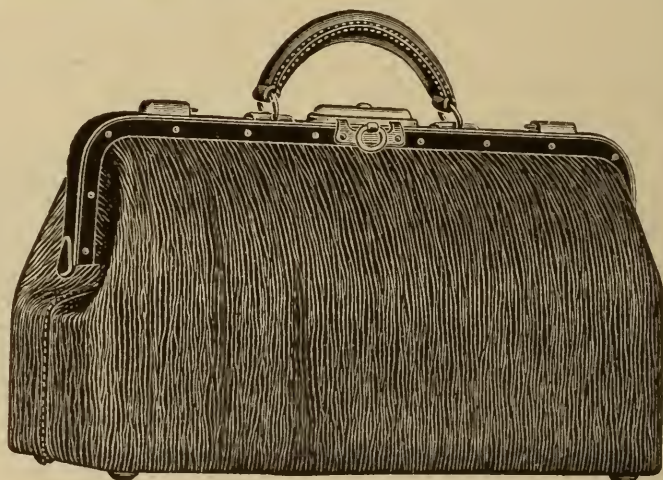
**E-2210. OBSTETRIC BAG, No. A-74****Style of Lawyers' Brief Bag**

Made in two pieces of the finest black or brown smooth sole leather. Leather covered steel frame. Solid brass trimmings. 5½ inches wide at bottom and 7½ inches high to top of frame. Full leather lined. Seamless edges.

15 inches long.....	\$9.00
16 inches long.....	9.25
17 inches long.....	9.50

**E-2212. OBSTETRIC BAG, No. A-404**

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.....	\$8.00
15 inches long.....	8.50
16 inches long.....	9.00
17 inches long.....	9.25
Fitted with six 1½ ounce G. S. bottles, extra.....	\$1.10
Fitted with six 1½ oz. G. S. and M. C. bottles, extra.....	1.70

**E-2214. OBSTETRIC BAG, No. A-95**

Dimensions: 9 inches high and 6 inches wide. Made of the finest black walrus grain bag leather. Steel frame covered with walrus grain leather. Solid brass trimmings, satin finish. No seams or welting on corners or edges. Made of two pieces of leather only. Full leather lined.



14 inches long.....	\$9.00
15 inches long.....	9.25
16 inches long.....	9.50
17 inches long.....	9.75
Fitted with six 1½ oz. G. S. bottles, extra .....	1.10
Fitted with six 1½ oz. G. S. and M. C. bottles, extra .....	1.70

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## INSTRUMENT SATCHELS AND EMERGENCY BAGS

Specify "Welemaco" Make

**E-2216. "BOSTON STYLE," No. A-75 BAG**

Made of the best grained bag leather. Either leather or canvas lined. 10 inches high, 5½ inches wide.

**Prices**

	Leather Lined	Canvas Lined
12 inches long at bottom..	\$7.50	\$6.25
14 inches long at bottom..	8.25	7.00
15 inches long at bottom..	9.00	7.75
16 inches long at bottom..	9.75	8.50
Fitted with six 1½ oz. G. S. bottles on removable tray, extra.....	\$1.10	
Fitted with six 1½ oz. G. S. and M. C. bottles on removable tray, extra..	1.70	

**E-2217. EMERGENCY BAG****No. A-99, "CLUB STYLE"**

A very fine and well made bag. Steel frame with solid brass trimmings. Made in two pieces of leather. No seams on edges. Full leather lined, with pocket on one side and adjustable loops on other side. Made of the finest black walrus grain or black or brown smooth sole leather. Width at bottom 8½ inches and 12 inches high to top of frame.

**Prices**

	Sole Leather	Walrus Grain
16 inches long...	\$15.50	\$14.00
17 inches long...	16.25	14.75
18 inches long...	17.00	15.50

**E-2219. EMERGENCY BAG****No. A-418, "CLUB STYLE"**

Steel frame, nickel-plated trimmings. Made in two sizes, 16 and 17 inches long, width 8 inches, height 11 inches. No seams on edges. Full leather lined. Has pocket on one side and adjustable loops on the other side. Made of the FINEST Black Walrus Grain Cowhide Bag Leather.

THIS IS A HAND-SEWED BAG.

**Prices**

16 inches long.....	\$16.00
17 inches long.....	16.00



Prices quoted on this page are not guaranteed and are subject to change without notice.



## EMERGENCY BAGS

### Specify "Welemaco" Make



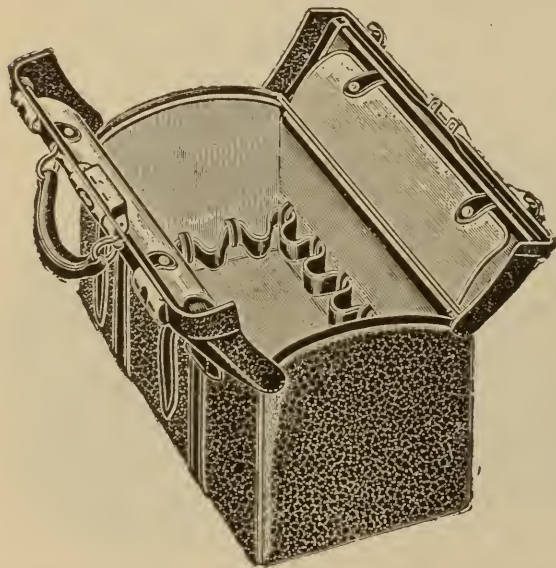
#### **E-2220. EMERGENCY BAG No. A-90**

It is made of the very finest black seal grained bag stock, full leather lined, riveted steel frame, nickel trimmings, 7½ inches wide and 8 inches high over all.

It contains in the lower part of bag 11 adjustable strap loops, also a large pocket entire side of bag. In the lid are ten smaller loops for instruments, etc. It also has two straps running around the bag for the purpose of strapping pans to the bottom of bag when required.

For up-to-date obstetric work it cannot be beaten for utility, quality or price.

Made 15, 16 and 17 in. long, price..\$14.50  
18 inches long, price..... 15.50



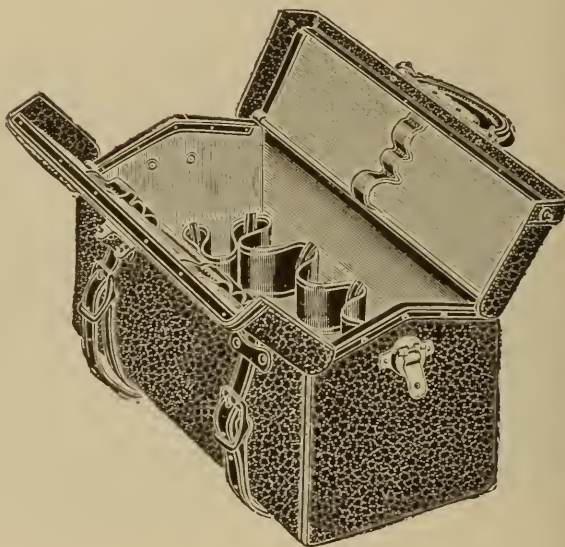
#### **E-2222, DR. EDLEN'S OBSTETRIC AND SURGICAL BAG No. A-93**

Patented October 2, 1900

Made of fine black seal grain bag leather. Seamless edges. Steel frame. Nickel trimmings. Leather lined. Dimensions: 17 inches long, 6 inches wide and 10½ inches to top of frame.

The bag is fitted with a false bottom, making a separate compartment containing a copper sterilizer. The upper part of bag is entirely independent of the lower part and is fitted with two 2 ounce and four 1½ ounce G. S. and M. C. bottles.

Price with sterilizer and bottles .....\$23.00



#### **E-2225. EMERGENCY BAG NO. A92**

Square cabinet style. Opens at 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. Full leather lined.

Dimensions: 8½ inches wide and 9½ in. high over all.

Made in lengths of 15, 16 and 17 in.

Price .....\$18.00

18 inches long. Price..... 19.00

No equal of its kind on the market.



## INSTRUMENT SATCHELS AND EMERGENCY BAGS

Specify "Welemaco" Make

**E-2221. STERILIZER BAG NO. A87**

With tilting top. No seams on edges. Size 17 inches long, 10 inches high and 7½ inches wide. As cut shows, it 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.

Price, without sterilizer.....\$15.00

Copper Sterilizer to fit bottom of  
A87 bag ..... 10.50

Our bags wear longer than others.  
The heavier leather does it.

**E-2223. EMERGENCY BAG NO. A406**

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.

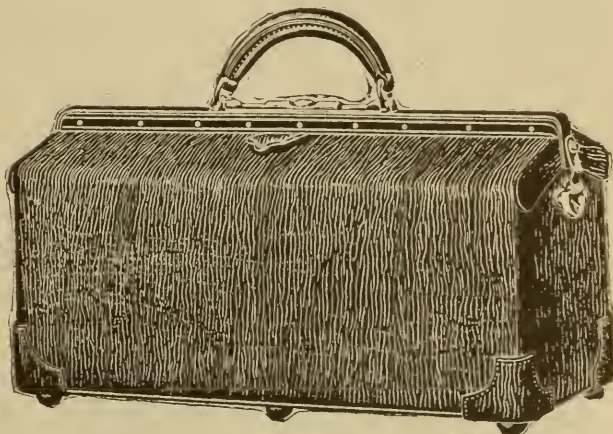
Steel frame, leather covered. Solid brass lock and end catches. Extra leather corner protections and metal feet. Loops for instruments in lids. Adjustable loops and pocket on inside of bag.

Nothing equal for the price.

**Prices**

16 inches long.....\$14.25  
17 inches long..... 14.75  
18 inches long..... 15.50

Only the best of everything in our bags.

**E-2224. CLUB BAG NO. A417**

Steel frame, nickel plated trimmings. Made in two sizes, 16 inches and 17 inches long. Width 6 inches, height 10 inches. No seams on edges. Full leather lined. It is made of two pieces of **Heavy Seal Grain Cowhide Leather**.

**Prices**

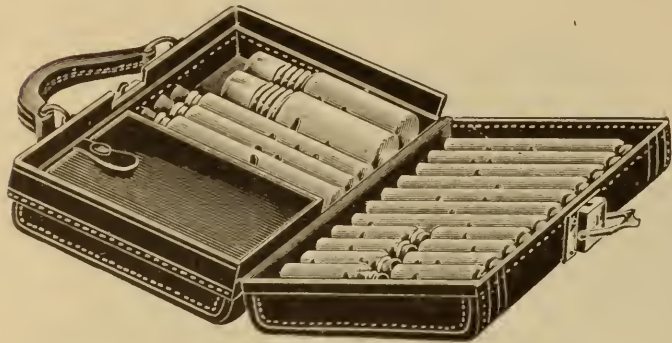
16 inches long.....\$11.50  
17 inches long..... 11.50  
Fitted with 6 1½ oz. glass stoppered bottles on removable pad, extra ..... 1.10  
Fitted with 6 1½ oz. glass stoppered and M. C. bottles on removable pad, extra..... 1.70

Prices quoted on this page are not guaranteed and are subject to change without notice.



# HAND AND BUGGY MEDICINE CASES

Specify "Welemaco" Make



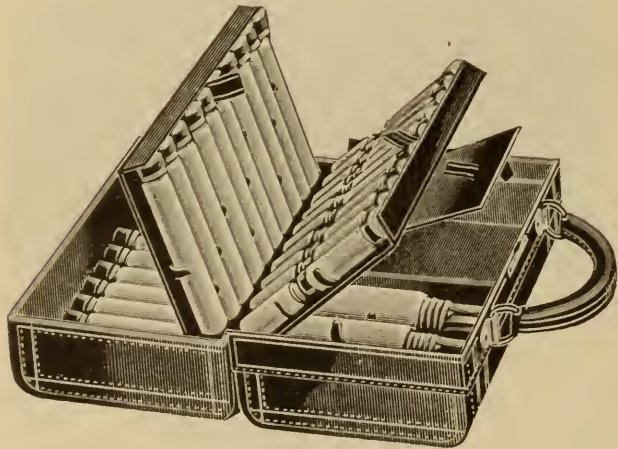
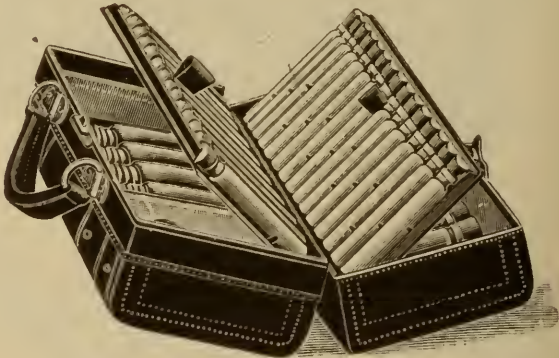
## E-2242. MEDICINE CASE NO. A64

Dimensions: 11 inches long, 6 inches high and 2 3/4 inches wide.  
 Made of extra heavy harness leather only.  
 Contains 2 1 1/2 oz. G. S. and M. C. bottles, 11 1 oz. 19x122 mm. and 10 three dram 19x57 mm. vials, also supply box 5x4x1 in. A very practical and compact case for the busy practitioner.

Price .....\$9.25

## E-2243. MEDICINE CASE NO. A35

Made entirely of heavy harness leather, hand stitched around the edges and full leather lined.  
 Dimensions: 11 inches long, 5 inches high, 4 1/2 inches wide. It contains 12 five dram 20x90 mm., 30 three dram 16x90 mm., 4 1 1/2 oz., G. S. and M. C. bottles, also supply box 4 1/4 x 4 1/2 x 1 1/4 inches.  
 Medicine Case No. A35, price.....\$12.50  
 Medicine Case No. A35X, price..... 11.25  
 Exactly like the above, except B. E. cloth lined.

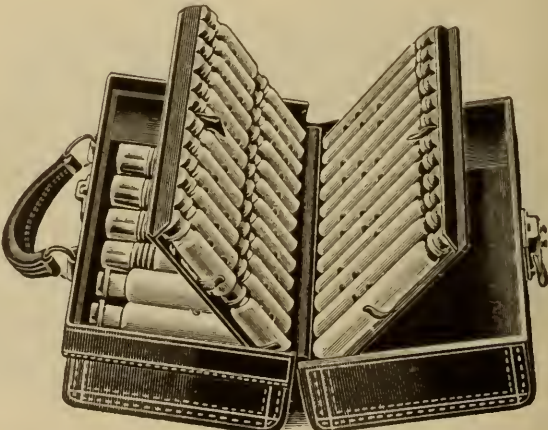


## E-2246. MEDICINE CASE NO. A60X

Dimensions: 9 1/4 inches long, 4 1/2 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 19x122 mm. and 20 three dram 19x57 mm. vials, 3 two ounce G. S. and M. C. bottles, and supply space 5 1/2 x 3 1/2 x 1 inches.  
 Price .....\$10.15

## E-2248. MEDICINE CASE NO. A61X

Dimensions: 11 1/2 in. 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 19x122 mm. and 24 three dram 19x57 mm. vials and supply space 10 1/2 x 5 x 1 inches.  
 Price .....\$13.20



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## HAND AND BUGGY MEDICINE CASES

Specify "Welemaco" Make

**E-2249. MEDICINE CASE NO. A36**

Dimensions: 11 inches long, 6 inches wide and 6 inches high.

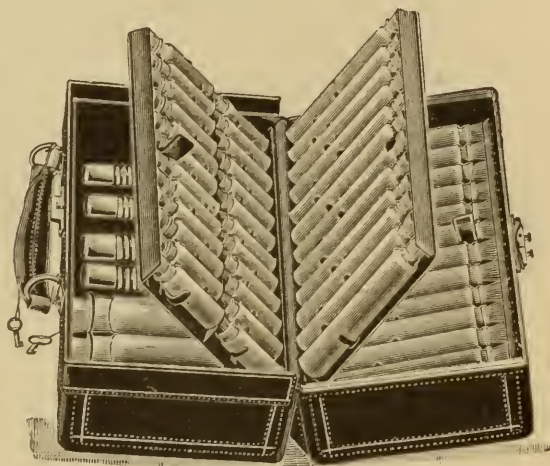
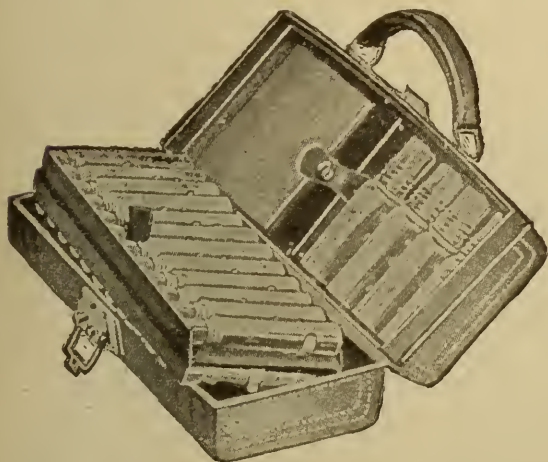
Made entirely of heavy harness leather, hand stitched around the edges and full leather lined.

It contains 24 one ounce 19x122 mm., 24 three dram 19x57 mm., and 3 three ounce C. S. bottles, also 4 two ounce G. S. and M. C. bottles and supply space 10½x5½x1½ inches.

Medicine Case No. A36, price.....\$16.25  
Medicine Case No. A36X, price..... 13.50

Exactly like the above, except B. B. cloth lined.

The front, back, bottom and top of all of our solid leather cases are made of one piece of leather.

**E-2252. MEDICINE CASE NO. A56**

Dimensions: 11 inches long, 5 inches high and 3½ inches thick.

Made of extra heavy harness leather only, and is full leather lined.

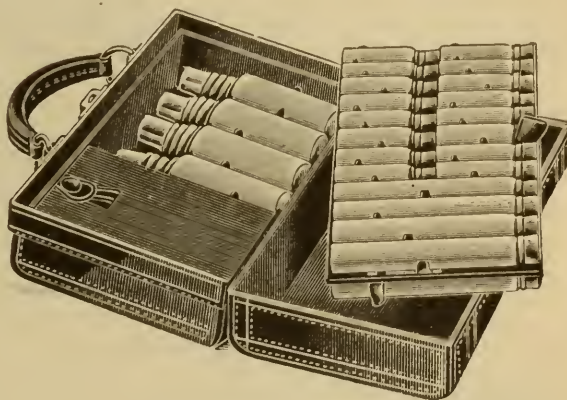
Contains 4 one and one-half ounce G. S. and M. C. bottles, 24 five dram vials, 20x90 mm., and covered supply space 4½x4x1½ inches.

Price .....\$10.20

**MEDICINE CASE NO. D56**

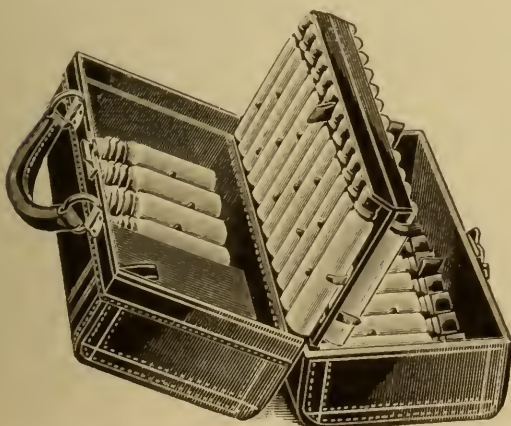
Same size and make as A56. Contains 24 five dram 20x90 mm. vials and supply box on entire other side.

Price .....\$10.20

**E-2254. MEDICINE CASE NO. A59X**

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 19x122 mm. and 16 three dram 19x57 mm. vials, also supply space 5x3½x1¼ inches.

Price .....\$11.10

**E-2256. MEDICINE CASE NO. A57X**

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.

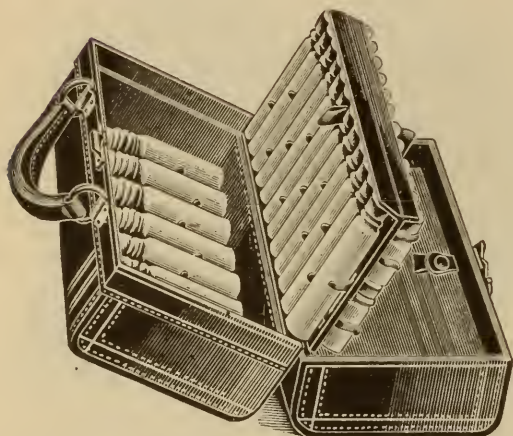
It contains 4 one and one-half ounce G. S. and M. C. bottles, 10 one ounce 24x100 mm. and 24 six dram 20x100 mm. vials, also supply space 4½x4½x1 inches.

Price .....\$12.15



## HAND AND BUGGY MEDICINE CASES

Specify "Welemaco" Make

**E-2262. MEDICINE CASE NO. A449**

Dimensions: 11 in. long,  $4\frac{5}{8}$  in. wide and  $5\frac{1}{2}$  in. 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 20x100 mm. vials, and 24 two dram 20x42 mm. vials, also supply space  $10\frac{3}{8} \times 4\frac{1}{2} \times 1$  inches.

Price .....\$12.35

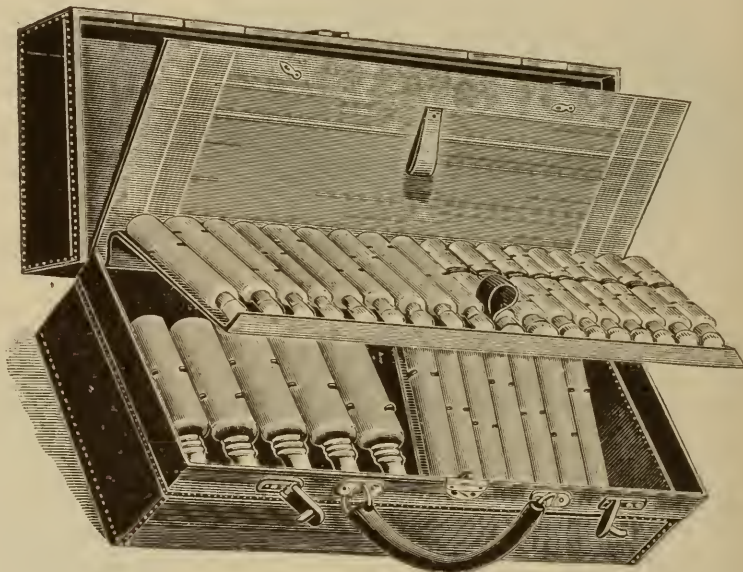
**E-2264. MEDICINE CASE NO. A38**

Dimensions: 16 in. long, 6 in. high and 6 in. 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 19x122 mm. vials, and 18 three dram, 19x57 mm. vials, also a covered supply space  $15\frac{1}{2} \times 5 \times 2\frac{3}{4}$  inches.

Price .....\$20.40

**E-2266. COMBINATION BAG NO. A89**

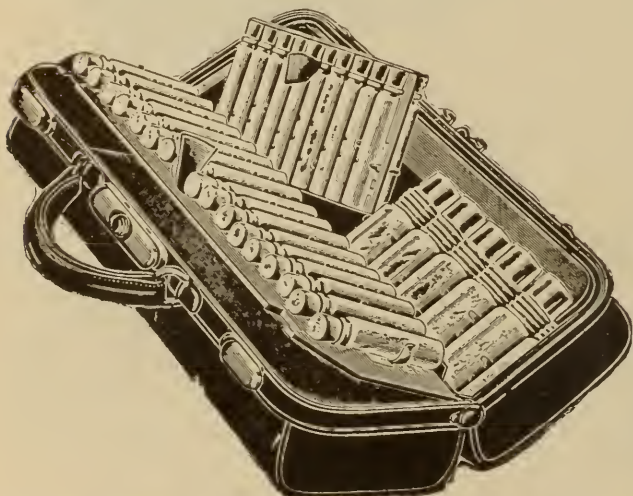
Dimensions: 17 in. long, 5 in. wide and  $5\frac{1}{2}$  in. high.

Made of one piece of the finest black smooth sole leather. 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 20x90 mm., and 20 three dram 16x90 mm. 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. A very handsome article.

Price .....\$16.75

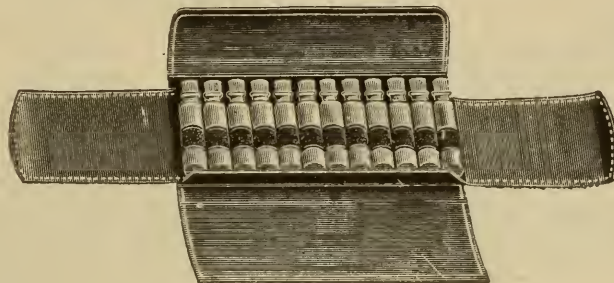


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## POCKET MEDICINE CASES

Specify "Welemaco" Make



## SINGLE FOLD POCKET VIAL CASES

Made of Genuine Turkish Morocco

E-2372	Vial Case, A116; contains	4	1-oz. vials, 24x90 mm.....	\$2.00
E-2373	Vial Case, A117; contains	6	1-oz. vials, 24x90 mm.....	2.10
E-2374	Vial Case, A118; contains	8	1-oz. vials, 24x90 mm.....	2.30
E-2376	Vial Case, A119; contains	24	1-dr. vials, 14x42 mm.....	2.40
E-2377	Vial Case, A120; contains	12	1-dr. vials, 14x42 mm.....	2.10
E-2378	Vial Case, A130; contains	15	2-dr. vials, 14x68 mm.....	2.35
E-2379	Vial Case, A131; contains	15	3-dr. vials, 16x75 mm.....	2.60
E-2352	Vial Case, A100; contains	6	2-dr. vials, 14x68 mm.....	2.75
E-2353	Vial Case, A101; contains	8	2-dr. vials, 14x68 mm.....	2.30
E-2354	Vial Case, A102; contains	10	2 dr. vials, 14x68 mm.....	2.60
E-2356	Vial Case, A103; contains	12	2-dr. vials, 14x68 mm.....	2.85
E-2357	Vial Case, A104; contains	6	3-dr. vials, 16x75 mm.....	3.10
E-2358	Vial Case, A105; contains	8	3-dr. vials, 16x75 mm.....	2.40
E-2359	Vial Case, A106; contains	10	3-dr. vials, 16x75 mm.....	2.75
E-2361	Vial Case, A107; contains	12	3-dr. vials, 16x75 mm.....	3.10
E-2362	Vial Case, A108; contains	6	4-dr. vials, 18x90 mm.....	3.50
E-2363	Vial Case, A109; contains	8	4-dr. vials, 18x90 mm.....	2.75
E-2364	Vial Case, A110; contains	10	4-dr. vials, 18x90 mm.....	3.10
E-2366	Vial Case, A111; contains	12	4-dr. vials, 18x90 mm.....	3.50
E-2367	Vial Case, A112; contains	4	6-dr. vials, 20x90 mm.....	2.75
E-2368	Vial Case, A113; contains	6	6-dr. vials, 20x90 mm.....	2.05
E-2369	Vial Case, A114; contains	8	6-dr. vials, 20x90 mm.....	3.10
E-2371	Vial Case, A115; contains	10	6-dr. vials, 20x90 mm.....	3.50

If fitted with S. C. bottles add 30 cents to list.



## DOUBLE FOLD POCKET VIAL CASES

Made of Genuine Turkish Morocco

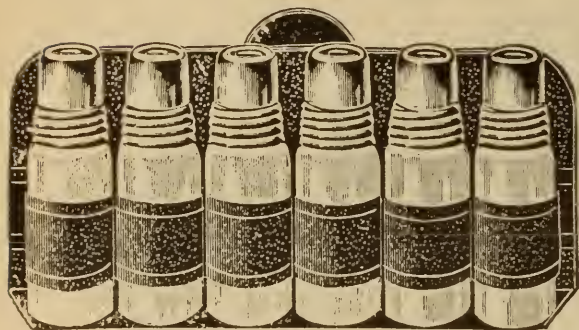
E-2381	Vial Case, A150; contains	24	2-dr. vials, 14x68 mm.....	\$4.10
E-2382	Vial Case, A151; contains	20	2-dr. vials, 14x68 mm.....	3.75
E-2383	Vial Case, A152; contains	24	3-dr. vials, 16x75 mm.....	4.45
E-2384	Vial Case, A153; contains	20	3-dr. vials, 16x75 mm.....	4.10
E-2386	Vial Case, A154; contains	24	4-dr. vials, 18x90 mm.....	4.75
E-2387	Vial Case, A155; contains	20	4-dr. vials, 18x90 mm.....	4.45
E-2388	Vial Case, A156; contains	12	2- and 9 3-dr. vials, 14x68 and 18x68 mm.	4.10
E-2389	Vial Case, A157; contains	12	3- and 9 4-dr. vials, 14x90 and 18x90 mm.	4.45
E-2391	Vial Case, A158; contains	2	double rows or 1-dr., 48 vials, 14x42 mm...	5.50
E-2392	Vial Case, A159; contains	12	3- and 24 1-dr. vials, 14x90 and 14x42 mm.	5.25
E-2393	Vial Case, A160; contains	10	2- and 8 3-dr. vials, 14x75 and 18x75 mm.	3.75
E-2394	Vial Case, A161; contains	14	3- and 11 4-dr. vials, 14x90 and 18x90 mm.	4.75
E-2396	Vial Case, A170; contains	30	2-dr. vials, 14x68 mm.....	5.25
E-2397	Vial Case, A171; contains	30	3-dr. vials, 16x75 mm.....	5.50

If fitted with S. C. bottles add 40 cents to list.

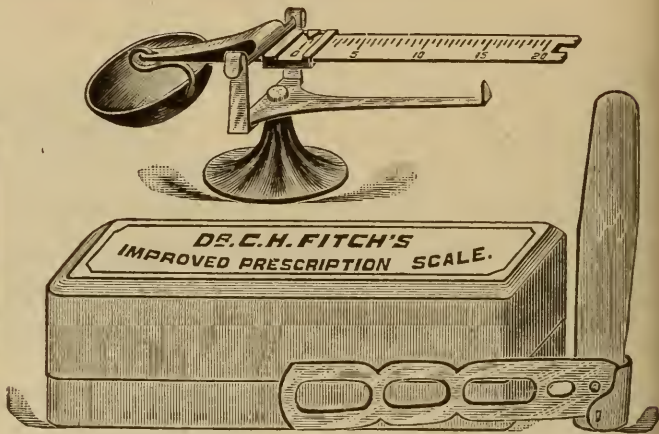
We make all of our pocket vial cases of genuine Turkish morocco. Full leather lined and fitted with glove button fastener. They are made with leather loops for holding bottles, making them more flexible than when fitted with metal springs. All have a pocket for powder papers. It is the finest line of pocket cases made.

Prices quoted on this page are not guaranteed and are subject to change without notice.

SACHEL AND MEDICINE CASE SUNDRIES



E-2195



E-2188

SUNDRIES

E-2188	Pocket Scale, Fitch's, improved.....	Net \$1.00
*E-2190	Bottle Pad, with 6 ground stopped 2 oz. bottles.....	1.00
E-2195	Bottle Pad, with 6 ground stopper, screw cap bottles, 1½ oz.....	1.70

Section “F”

- |                        |                      |
|------------------------|----------------------|
| Electric Illuminators  | Faradic Batteries    |
| Electric Controllers   | Galvanic Batteries   |
| Electric Vibrators     | Wall Plates          |
| Electrodes             | Cautery Transformers |
| X Ray Apparatus        | X Ray Tubes          |
| High Frequency Outfits |                      |



## ELECTRICAL

## F-1. VICTOR IMMERSION ELECTRIC HEATING UNIT

Simply connect the unit to any electric light socket, place it in the receptacle (completely immersing it) containing the water to be heated and hot water or other liquid is available in from two to ten minutes, according to the amount of liquid in the container.

Rust-proof and aseptic. Dimensions, length  $7\frac{1}{4}$  inches, diameter  $1\frac{3}{8}$  inches.

Price, arranged for the 110 or 220 volt direct or alternating current .....\$4.00



## Electric Illuminating Apparatus

## F-4. VICTOR SOCKET CONTROLLER FOR MINIATURE LAMPS

Made according to suggestions furnished by Dr. Otto Freer of Chicago. Controls all types of endoscopic and other instruments using electric lamps of the miniature type.

Price, complete with 32 candle-power resistance lamp, arranged for the 110 volt current.....\$7.50



## F-16. THE ELECTRO SURGICAL INSTRUMENT CO. SOCKET CURRENT CONTROLLER

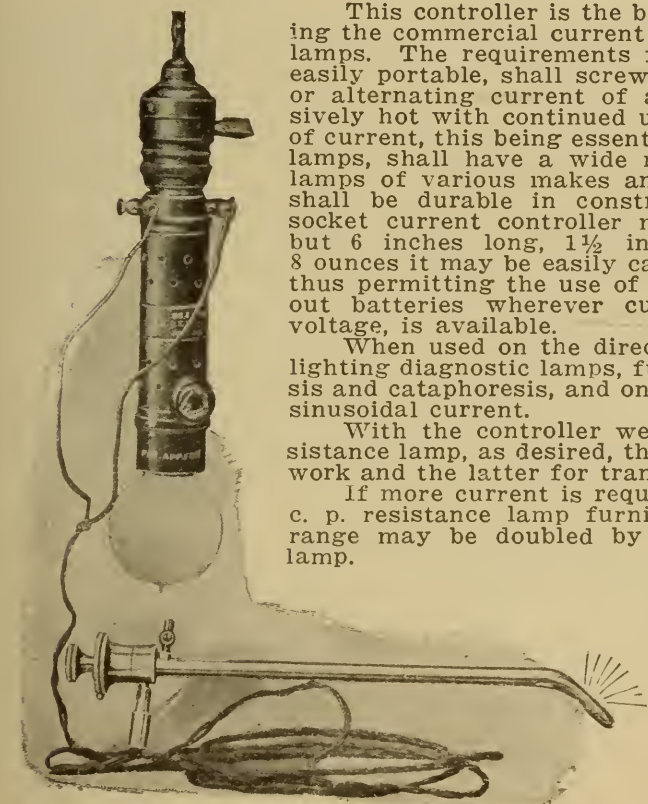
This controller is the best appliance on the market for reducing the commercial current for the purpose of lighting diagnostic lamps. The requirements for such a device are that it shall be easily portable, shall screw into any lamp socket, work on direct or alternating current of any voltage, shall not become excessively hot with continued usage, shall give the finest graduation of current, this being essential for the safe lighting of the smaller lamps, shall have a wide range of graduation so that ordinary lamps of various makes and voltage may be effectively lighted, shall be durable in construction and reliable in action. Our socket current controller meets all these requirements. Being but 6 inches long,  $1\frac{1}{2}$  inches in diameter and weighing but 8 ounces it may be easily carried in the pocket or instrument bag, thus permitting the use of electrically lighted instruments without batteries wherever current, direct or alternating of any voltage, is available.

When used on the direct current, the controller will, besides lighting diagnostic lamps, furnish a current suitable for electrolysis and cataphoresis, and on the alternating a perfectly graduated sinusoidal current.

With the controller we furnish either a frosted or blue resistance lamp, as desired, the former being preferable for ordinary work and the latter for trans-illumination.

If more current is required than can be obtained with the 16 c. p. resistance lamp furnished (unless otherwise ordered), the range may be doubled by using a 32 candle power resistance lamp.

The conducting cords attached are fitted with our latest universal spring bayonet connection, which locks the diagnostic instrument securely to the cords. When ordering please state whether socket on which controller is to be used is Edison or other style and specify voltage of street current, since the voltage of resistance lamp must correspond with that of the current. Unless otherwise ordered, we furnish a 110-volt, 16 c. p. frosted lamp.



Price, complete with resistance lamp (frosted or blue) and a pair of silk or rubber covered conducting cords, \$10.00.

ELECTRICAL

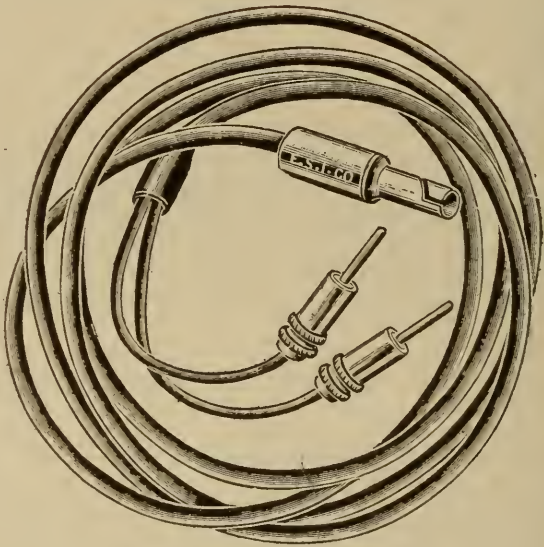
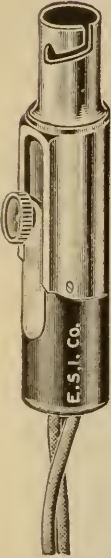
F-6. CONDUCTING CORDS

Our conducting cords (lamp cords) made of the highest grade of cordage obtainable, are six feet in length, and are furnished with silk covering unless rubber covered cords are particularly specified. Either style is supplied at the same price. The cords are fitted with our universal spring bayonet connection, which fits all of our instruments and which locks the instrument securely to the cords so that it cannot be accidentally detached when in use. The cords themselves are perfectly flexible and practically unbreakable.

Make-and-Break Attachment

When so ordered we furnish these cords with a make-and-break attachment on the bayonet connection so that the current can be turned on or off with a slight movement of the thumb.

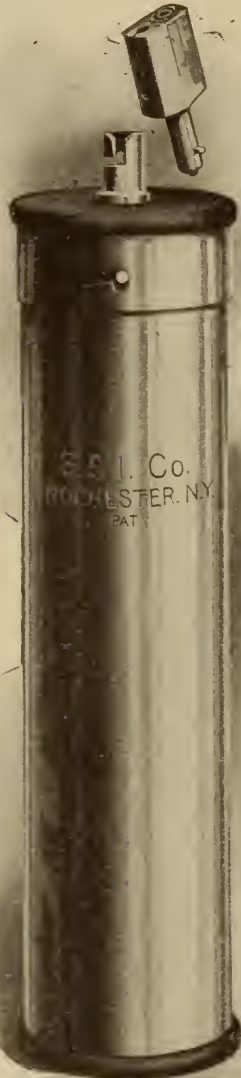
F-6 Price .....\$1.50  
Price, with make-and-break attachment..... 2.50



F-8. "E. S. I. CO." TUNGSTEN BATTERY

This battery is only 6 inches high by 1½ inches diameter. It weighs 8 ounces and is easily carried in the pocket and this is of great convenience during operations. It is fitted with the E. S. I. Co. patented universal spring bayonet connection to which instruments can be directly attached in a fraction of a second, thus making it form a handle, but when this is not desirable the adapter is inserted into the connection of battery and to this adapter the conducting cords are attached and is operated in same manner as any other battery. The use of this battery makes the operation of electrically lighted instruments as easy and convenient as the pressing of the button on a pocket flashlight, and the maintenance is but a trifle, the cells used are standard and of the highest quality and are furnished direct by us or by dealers in auto or electrical supplies anywhere. These cells are guaranteed to give an intermittent light of 20 hours or a continuous light of 10 hours, which means that the battery will give the operator an average service of about three months.

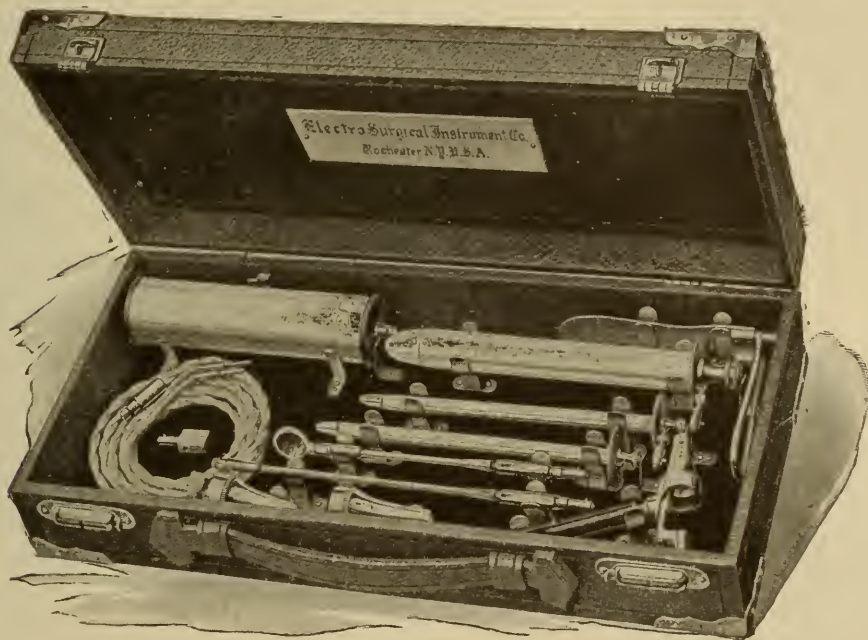
F-8 Price, including cells.....\$3.00  
F-8A Price, complete with adapter..... 3.50  
F-8B Price, complete with adapter and conducting  
cords ..... 5.00  
F-8C Price, new cells ..... .30





## ELECTRICAL

## ELECTRIC ILLUMINATING APPARATUS



## F-18. E. S. I. CO. GENERAL DIAGNOSTIC OUTFIT

The utility of this outfit has been multiplied many times by the adoption of Tungsten Lamps and the employment of our Tungsten Battery. The weight (including instruments) is reduced from 16 pounds to  $4\frac{1}{2}$  pounds by doing away with the heavy batteries and rheostat that were formerly necessary. The outfit is now carried with the greatest convenience, while the cost of maintenance has also been materially reduced. Physicians who were content to do without the outfit now consider it indispensable.

As shown in the illustration the instruments are all securely held in heavily nickel-plated clamps, which are screwed to the rheostat board, the whole making a most convenient outfit, especially valuable for use at the bedside where the light is usually poor and the patient's position unfavorable for the use of a head mirror.

Any of our instruments may be assembled in this outfit as desired. Those listed are usually chosen, and are furnished unless otherwise ordered.

If desired any instrument may be left out, with corresponding reduction in price, or others, such as a vaginal speculum, eye spud, sigmoidoscope, or cystoscope, etc., may be substituted or added, and all may be operated with battery, socket current controller, wall plate or transformer.

- 1 Tungsten Battery with adapter and conducting cords.
- 1 Auriscope, Style B, with three specula (furnished with or without handle).
- 1 Laryngoscope.
- 1 Tongue Depressor.
- 1 General Diagnostic Illuminator.
- 2 Koch Urethroscope (any sizes).
- 1 Light Carrier for Urethroscopes (interchangeable).
- 1 E. S. I. Co. Proctoscope (any size).
- 1 Light Carrier for Proctoscope.

F-18 Price, complete .....	\$40.00
F-18A Price, without proctoscope.....	33.00
F-18B Price, with E. S. I. Co. socket current controller instead of battery, and instruments as listed.....	45.00

ELECTRICAL  
Electric Batteries

F-170. MCMINTOSH DOMICILE BATTERY

A very neat design in Dry Cell Faradic Battery adapted to home use. Contains a first-class induction coil and is supplied with a large dry cell of standard size. The starting switch is so arranged that it must be turned off before the lid is closed, thus insuring the life of the cell. It is put up in a handsome oak case, dark old English finish. A most reliable, substantial outfit and one that is sure to give satisfaction. Contains the following accessories: 1 pair conducting cords, 1 pair Universal wooden handle with Spongio discs, 1 pair metal handles, 1 nickeled foot plate, 1 pamphlet of instructions.  
Price .....\$7.50



F-195. MCMINTOSH NO. 66 PRACTITIONER'S  
FARADIC BATTERY

A most compact, serviceable Faradic battery especially suitable for visiting use, containing two standard size dry cells, put up in a handsome case of selected quartered oak finish, finely polished, measuring 9x6x7½ inches. The induction coil, containing both primary and secondary windings, is finely finished in polished hard rubber and is attached to a handsome enameled slate base. The strength of current can be regulated perfectly by drawing out the shield. In the top of the lid is a compartment containing the following electrodes: 1 pair of conducting cords, 1 pair Universal handles with Spongio discs, 1 pair metal handles and finely nickeled foot plate.  
Price, complete.....\$12.00

F-175. MCMINTOSH ELECTROLYSIS BATTERY

This battery contains six No. 4 Columbia dry cells put up in a neat, leather finished, plush lined case containing a compartment for the instruments furnished. The dry cells will last for six or nine months with ordinary use. The following accessories are included: 1 pair conducting cords, 1 hard rubber needle holder, 6 Hayes' bulbous-pointed steel needles, 2 steel broaches, 1 pair forceps, 1 No. 3 hand Spongio electrode, 1 pair No. 1 handles and Spongio discs, 1 copy Hayes' "Electricity in Facial Blemishes." A most reliable and satisfactory outfit at a minimum of price. Price.\$13.50



F-180. MCMINTOSH 14 DRY CELL COMBINED GALVANIC AND FARADIC BATTERY

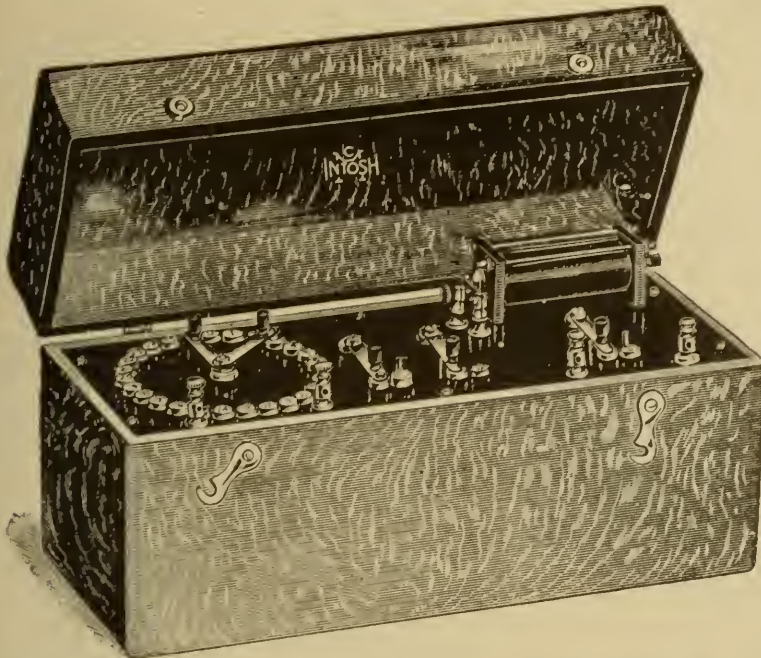


This outfit contains: 14 No. 4 Columbia dry cells, twelve in the galvanic portion and two connected with the coil. The galvanic cells are controlled by a cell selector switch. The galvanic current is of sufficient strength to treat any case where a mild current is indicated, being ample for the removal of superfluous hair and all facial blemishes, such as moles, warts, Naevi, etc.; it can also be used for lighting diagnostic lamps; the Faradic Coil gives a perfectly regulated faradic current of variable intensity. The battery is put up in a handsome plush lined, leather finished case and contains a compartment for electrodes in the lid.

Price, including connecting cords, Universal handles and Spongio discs.....\$20.00  
Price, including a complete assortment of accessories for electrolysis and massage..... 25.00



## ELECTRICAL

**F-182. McINTOSH "SIMPLIFIED" 27 DRY CELL GALVANIC AND FARADIC BATTERY**

This battery embodies those features counted essential in a simplified form of physicians' portable galvanic and faradic dry cell battery, adequate for the requirements of many of the operations requiring a current of moderate strength. It is of similar construction to the Fourteen Dry Cell Combined Battery, and is fitted with twenty-seven No. 4 Columbia dry cells—twenty-five being connected in the galvanic circuit and two utilized for the faradic coil.

Regulation of the galvanic current is afforded by a double cell selector switch enabling the operator to add single cells to the circuit, or to select cells from any part of the circle, the number of cells employed serving as an index to the strength of current utilized. An interrupting key permits

of an interruption of the galvanic current, which is especially useful for diagnostic purposes.

The faradic coil is of ample proportions and is fitted with a vibrator of smooth and even action, thus affording a very powerful and pleasing current, the strength of which may be varied by the sliding shield. The primary and secondary currents are selected by a suitable switch and are obtained from the binding posts adjacent to the coil.

The battery offers a very wide range of work, as it affords a constant galvanic current of sufficient intensity to suit almost any case, an interrupted galvanic current, a faradic current from either primary or secondary coil, a galvano-faradic current and a current to light diagnostic lamps.

The accessories of the battery are mounted upon a black enameled slate base, and the apparatus is enclosed in a handsome quarter-sawed oak case in the popular golden finish, measuring 7x9x17 inches.

Price, including Conducting Cords, Universal Handles and Spongio Discs.....\$27.50

**F-185. McINTOSH "ELABORATE" 27 DRY CELL GALVANIC AND FARADIC BATTERY**

In this battery the galvanic current is obtained from twenty-five No. 4 Columbia dry cells connected in series, controlled by the MacLagan Wire rheostat and measured by the McIntosh improved milliamperemeter, scale reading 0-150, and obtained from the binding posts facing the meter. An "on" and "off" switch permits of the meter being removed from the circuit when it is desirable to light diagnostic lamps of large capacity.

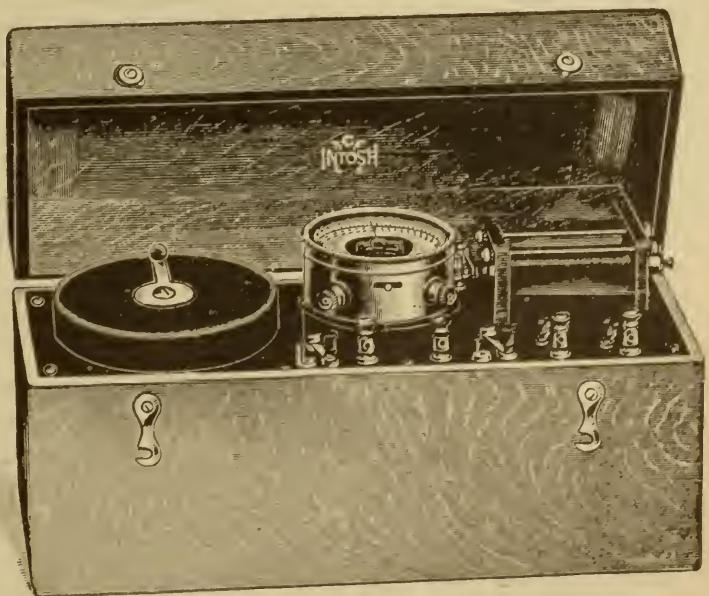
The faradic coil is similar to the one described above, being operated by two cells; the current obtained therefrom is brought likewise to a separate set of binding posts.

The greatly simplified system of wiring arrived at by connecting the galvanic and faradic circuits independently, adds greatly to the immunity from short circuit to the cells, and also permits of the galvanic and faradic currents being combined in a very simple and convenient manner.

This battery affords a galvanic current of great adaptability, a primary faradic current, a secondary faradic current, a galvano-faradic current, and a current to light diagnostic lamps.

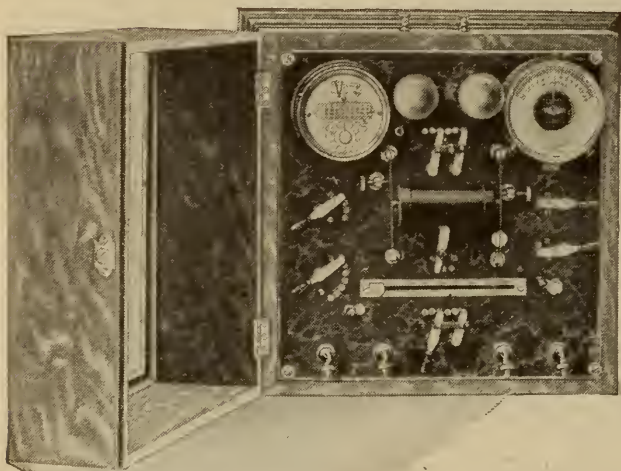
The outfit is finished in the same general style as the one shown above, and is likewise put up in a golden oak case of the same dimensions.

Price, including Conducting Cords, Universal Handles and Spongio Discs.....\$37.50



## ELECTRICAL

## F-202. VICTOR NO. 2 WALL PLATE



**Range of Service:** Straight galvanism, primary faradism, secondary faradism, combined galvanism and secondary faradism and endoscopic light current.

This Wall Plate is provided with a voltage scale, a milliamperemeter and rheotome, and has an unusually refined control of all of the aforementioned currents.

This apparatus as shown operates from the direct current, and in the event alternating current only is available, it will be necessary to purchase an Electrolytic Rectifier or preferably a Generating Set, both of which are illustrated elsewhere in this catalogue.

The switchboard is of beautiful marbleized slate and the cabinet of golden oak.

Price, arranged for the 110-volt direct current.....\$75.00  
 Price, arranged for the 220-volt direct current..... 90.00

## F-218. VICTOR COMBISTAT

The modalities available from the Combistat are as follows: Straight galvanism, surging galvanism, slow sinusoidal, rapid sinusoidal, multiplex sinusoidal, surging sinusoidal, endoscopic light current, cautery current, nasal drilling, compressed air, suction, pneumatic massage, vibratory massage, etc., etc.

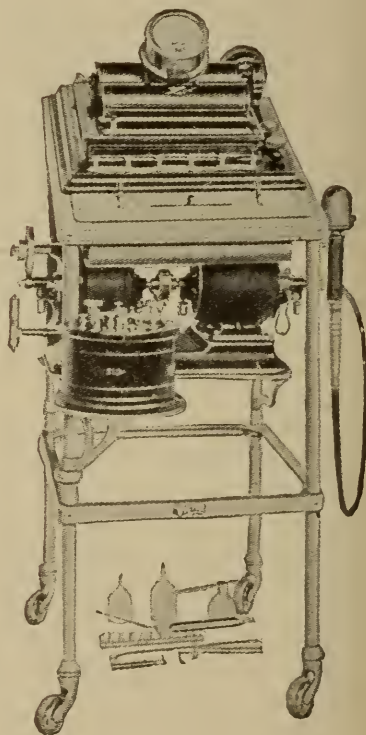
A universal, compact and useful apparatus, applicable in all branches of medicine regardless of the specialty. The Combistat is of unusually flexible design, which permits of a number of practical combinations to suit the individual requirements of the physician.

The Combistat is built on the unit plan of construction, which means that a comparatively simple apparatus may be purchased at the onset and extra units be added from time to time as the additional modalities are desired.

The entire outfit is mounted on easy rolling casters and occupies but little space.

The physician who desires practically complete electro-therapeutical service will do well to investigate the Combistat.

Write for special Combistat bulletin, which gives complete information and prices of the various combinations.





## ELECTRICAL

## McINTOSH WALL PLATES

**F-220. McINTOSH TYPE 12 PLATE IN STYLE "G" CASE**

A unique combination of galvanic, faradic, cautery and rapid sinusoidal currents. Comprises rheostat, milliamperemeter, monomotive rheotome, faradic coil, cautery and sinusoidal transformer, dial selector, pole changer and resistance lamps mounted upon an aseptic porcelain steel plate 16 inches square encased in a handsome quarter-sawn golden oak cabinet with plate glass door. Affords the following modalities: Galvanic current, diagnostic lamp current, fast primary faradic current, fast secondary faradic current, slow primary faradic current, slow secondary faradic current, combined galvanic and faradic current, low potential rapid sinusoidal current (not grounded), high potential rapid sinusoidal current, combined galvanic and rapid sinusoidal current, cautery current.

Price, including conducting cords, handles, spongie discs and attachment plug with cord.....\$100.00

Price, with Rectifier with Potential Equalizer for 100-120 volt alternating current.....\$125.00

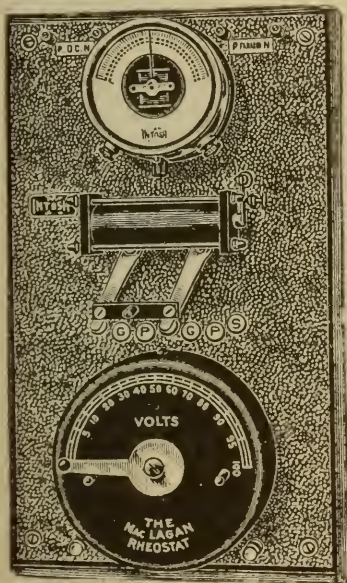
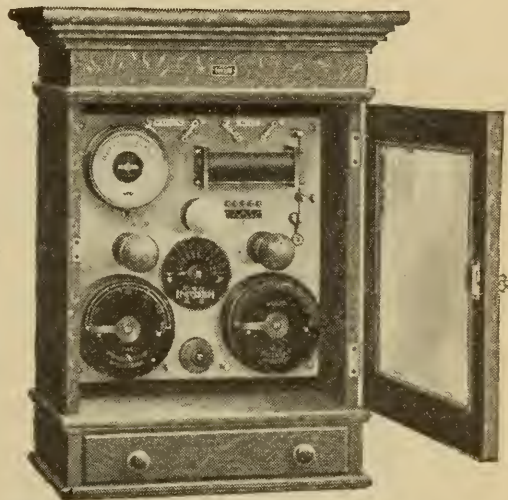
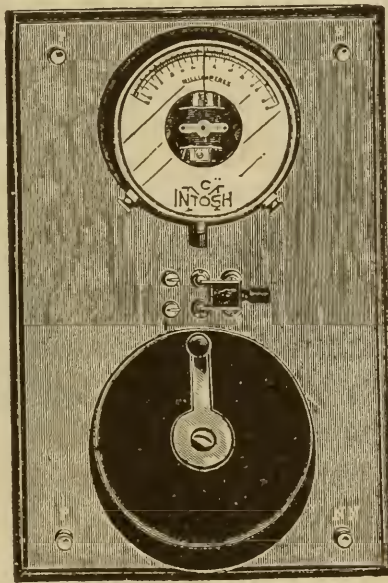
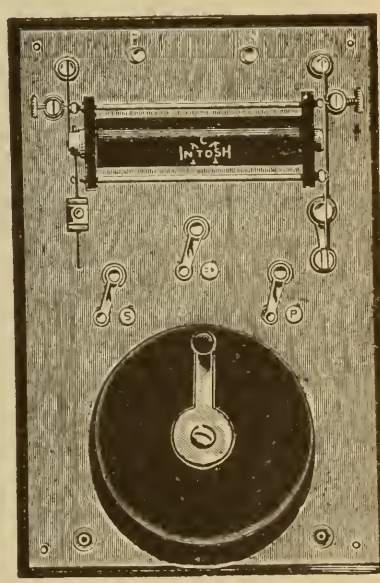
Price, with Motor Generator for 110-volt direct current.....125.00

F-222 McIntosh Type 14 Plate in Style "G" Case, practically the same as McIntosh Type 12 Plate, affording galvanic, faradic and sinusoidal currents, but omitting cautery transformer.

Price, for 110-volt direct current.....85.00

Price, including No. 1 Rectifier with Potential Equalizer for operation with alternating current.....110.00

Price, including 50 National No. 7 liquid cells.....102.50

**McINTOSH SIMPLIFIED WALL PLATES****F-200****F-186****F-188****F-200. McINTOSH NO. 7 WALL PLATE**

A very simple plate affording galvanic and faradic currents. Comprises MacLagan Wire Rheostat, Milliamperemeter, Faradic Coil and Current Selector Switch, mounted on a neat marble base  $9\frac{1}{2} \times 16$  inches.

Price, including conducting cords, handles, spongie discs and attachment plug with cord.....\$35.00

Price in Style "H" Oak Case.....40.00

**F-186. McINTOSH GALVANIC SWITCHBOARD**

A very simple plate affording galvanic current. A McIntosh Improved Milliamperemeter with Shunt, MacLagan Wire Rheostat, Pole Changer. Can be used with cells, 110-Volt Direct Current or an "Alternating Current Rectifier" may be employed with the alternating current.

Price, including conducting cords, universal handles and sponge discs.....\$24.00

Price, series current tap, with cord.....1.25

**F-188. McINTOSH FARADIC SWITCHBOARD**

In this switchboard the base is a plate of highly polished marble,  $9\frac{1}{2} \times 16$  inches, upon which is mounted a Faradic Coil provided with two vibrators, one for giving coarse vibrations for the purpose of massage; the other a ribbon vibrator or so-called "Singing Rheotome," which gives a high rate of vibration and is especially adapted for producing local anaesthesia; Wire Rheostat, with all necessary switches for selecting Primary and Secondary Faradic Currents, together with the necessary binding posts to connect with the supply current and with the patient's circuit.

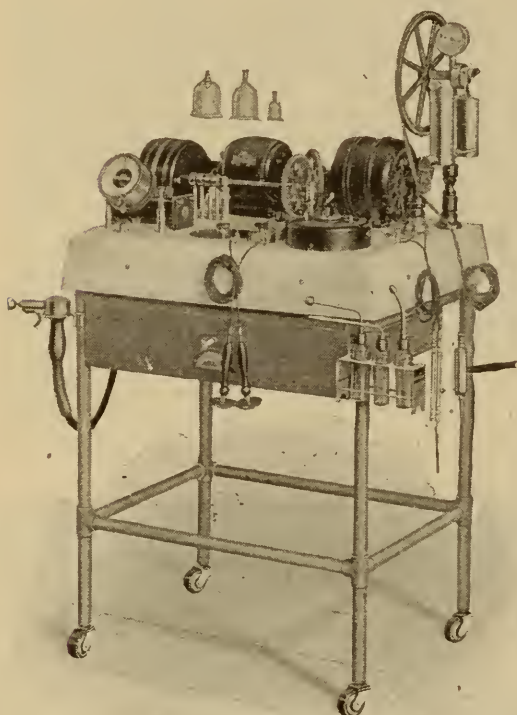
Price, including conducting cords, universal handles and sponge discs.....\$21.00



## ELECTRICAL

## F-226. McINTOSH UNIVERSAL MODE

A real universal apparatus. Combines practically every essential required for electro-therapy outside of X-Ray and High Frequency.



A beautiful white enameled, porcelainized steel switchboard, comprising rheostat, milliamperemeter, faradic coil, motor, direct current generator, cautery transformer, dial selector, pole changer and complete apparatus for generating both slow and rapid sinusoidal currents, as well as other modalities. Motor may be used to operate vibrator hand piece. A powerful tankless air pump affording compressed air up to 50 lbs., suction up to 30 lbs. and pneumo-vibration under absolute control from the most delicate pressure to the full intensity, is a most valuable feature.

All electric currents delivered by the apparatus are earth-free and ungrounded, hence no danger of a shock.

The apparatus affords the following modalities: Combined Galvanic and Faradic; Combined Galvanic and Sinusoidal 1,800 periods per minute; Rapid Sinusoidal 1,800 cycles per minute; Primary Faradic; Secondary Faradic; Galvanic; Interrupted Galvanic 3 to 88 interruptions per minute; Diagnostic Lamp; Cautery; Combined Galvanic and Faradic Wave 3 to 88 cycles per minute; Superimposed Wave 3 to 88 cycles per minute; Surging Sinusoidal 6 to 176 periods per minute; Primary Faradic Wave 3 to 88 cycles per minute; Sec-

ondary Faradic Wave 3 to 88 cycles per minute; Slow Sinusoidal 3 to 88 cycles per minute; Interrupted Galvanic Wave 3 to 88 interruptions per minute; Mechanical Vibratory Massage; Nasal Drilling to remove obstructions; Electrically Heated Air; Pneumo-massage of tympanum, eye or skin; Spraying of liquids or powder blowing in nose or throat work; Vaporizing or nebulizing of oils; Deep Suction suitable for aspirating in congested sinuses; Bier's hyperemia.

## PRICES:

F-226 McIntosh Universal mode for 110-volt direct or 60 cycle alternating current, omitting pump, vibrator, stand and all accessories shown, but including cords, handles and sponge electrodes.....	\$250.00
F-226A Gray enameled stand, additional.....	25.00
F-226B McIntosh Tankless Air Pump, latest model, complete.....	35.00
F-226C McIntosh-Carpenter Vibrator, Style "A" Hand Piece and cable, including six applicators.....	35.00
F-226D Cable and Hand Piece for nasal drilling.....	15.00
F-226E McIntosh Pneumasseur, complete.....	7.50
F-226F McIntosh Electric Air Heater, as shown.....	9.00
F-226G Cautery Cords, handle and one electrode.....	5.00
F-226H Set of three Spray Bottles.....	3.00
F-226I Set of three Glass Cups for Bier's hyperemia.....	1.50
Price, complete with above accessories.....	\$386.00
Price, additional for 220-volt direct or alternating current or for 110-volt, 25, 30, 40 or 50 cycle alternating current.....	10.00

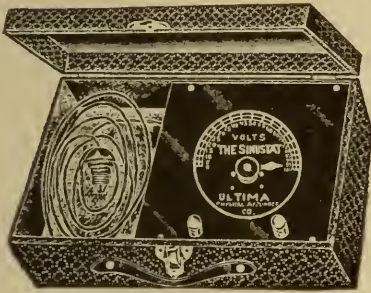


## ELECTRICAL

# TREAT IT ELECTRICALLY

WITH A-

# SINUSTAT

**F-227. THE ULTIMA NO. 1 SINUSTAT****For 110 Volts Alternating Current**

An ideal method of electrical stimulation. Connect it to any lamp socket on the alternating current and it delivers a true rapid sinusoidal current highly agreeable in character. Handy to use in making calls and convenient to leave with the patient. Can also be used to light any cystoscope, urethroscope, trans-illuminator, or any diagnostic lamp. The rapid sinusoidal current is most valuable in neuritis, sciatica, lumbago and many gastro-intestinal conditions as well as uterine diseases.

The No. 1 Sinustat is a shunt current controller and affords absolute regulation of the voltage without shock. A special resistance permanently in circuit prevents burning out by accidental short circuit. By turning the knob the voltage is regulated from zero to one hundred volts. Finely finished in nickel and black enamel and enclosed in a substantial leather finished case 12 inches long, 7 inches wide and 3½ inches deep. Includes attachment cord and plug, conducting cords, handles and sponge electrodes.

PRICE, ULTIMA NO. 1 SINUSTAT, as described.....\$15.00

**F-228. THE ULTIMA NO. 3 SINUSTAT**

A powerful, efficient, slow sinusoidal apparatus for alternating current or direct current.

The only portable apparatus made which gives a true slow sinusoidal current and can be operated on either alternating or direct current. Does all that the large office outfits accomplish with the added advantage of being portable. It consists of a universal motor adapted to either A. C. or D. C., operating a rotary brush arm against a wire resistance, which increases and decreases the number of turns of wire automatically, thus generating a true sinusoidal current with a frequency of 10 cycles per minute; just the right frequency for stimulating the peristaltic action of the bowels—a valuable point in treating many gastro-intestinal conditions where loss of muscular tone exists.

The intensity of current is controlled by a special rheostat in the patient's circuit which permits of most delicate regulation of the dosage to be applied. By turning the knob the voltage is increased or decreased at will while the dial shows the exact voltage employed.

The apparatus embodies the best features of several of the leading sinusoidal machines. No belts or rubber friction wheels are used but a worm gear is employed to cut down speed to the low rate of 10 revolutions per minute for the brushes. All contacts are perfect and there is no possibility of the outfit needing repairs for many years if used with ordinary care.

**HAVE YOU THE ALTERNATING CURRENT?** The No. 3 Sinustat will afford you not only a **slow sinusoidal current**, but a **rapid sinusoidal** as well.

**HAVE YOU DIRECT CURRENT?** You can secure a **galvanic current** in addition to the **slow sinusoidal current** and **rapid sinusoidal current**.

You can light any diagnostic lamp, cystoscope, auriscope, etc., with this outfit. Current regulation is absolute.

All metal parts are highly finished in black enamel and nickel and are mounted upon an enameled slate base underneath which is contained the mechanism which generates the slow sinusoidal current, thus protecting these parts from dust and injury.

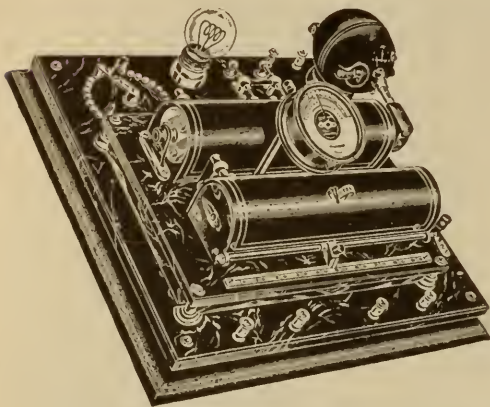
Over all is a substantial leather finished case, with a compartment for electrodes. It measures 7x16½x8½ inches and weighs but 18 pounds, hence you will find it extremely handy to use on your calls.

**ACCESSORIES.** Included are: Attachment plug and cord to screw into any lamp socket; conducting cords; pair of universal wooden handles; pair of felt discs for applying current; and pair of metal handles for testing current; full directions for applying.

PRICE, ULTIMA No. 3 SINUSTAT, as described.....\$60.00  
Manufactured by Ultima Physical Appliance Co., 136 W. Lake St., Chicago, Ill.



ELECTRICAL



**F-232. VICTOR MULTIPLEX-SINUSOIDAL APPARATUS**

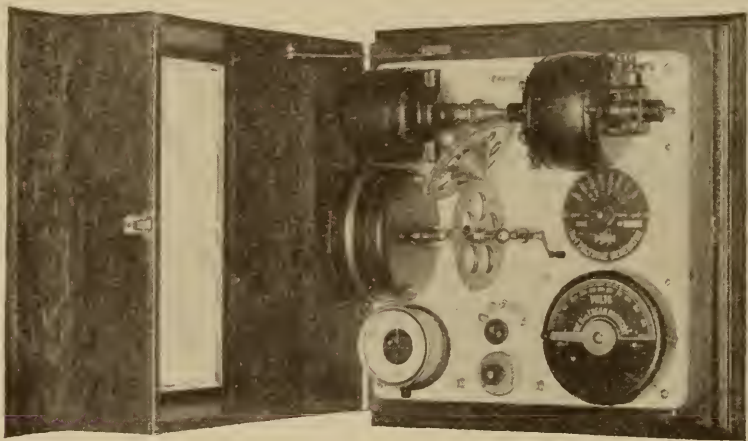
**Range of Service:** Straight galvanic current; surging galvanic current; rapid sinusoidal current; slow sinusoidal current; surging sinusoidal current; multiplex sinusoidal current. May also be used for lighting diagnostic lamps of the miniature type.

This apparatus is energized by the direct current and in the event the alternating current only is available, it is necessary to use either an electrolytic rectifier or preferably a motor generator set in conjunction with it.

This apparatus, in many instances, is considered a more useful apparatus than the ordinary galvanic and faradic wall plate.

Price, arranged for the 110-volt direct current, complete with milliamperemeter, one pair of electrode cords and one pair of electrodes.....\$130.00

**F-234. McINTOSH NO. 4 POLYSINE GENERATOR**



A big value at a reasonable price. Full range of galvanic and sinusoidal modalities. Fitted with universal motor and operable on either alternating or direct current. All currents generated by generator, hence earth-free. Famous McIntosh Dial Current Selector to select currents. No complicated switches. Very powerful slow sinusoidal current capable of contracting abdominal muscles. Embraces motor, generator, sinusoidal device, rheostat, milliamperemeter, dial selector and pole changer all mounted on a beautiful white enameled, porcelainized steel slab encased in a polished golden oak cabinet with plate glass cover, including conducting cords, handles, spongio discs and attachment plug with cord.

Price .....\$175.00

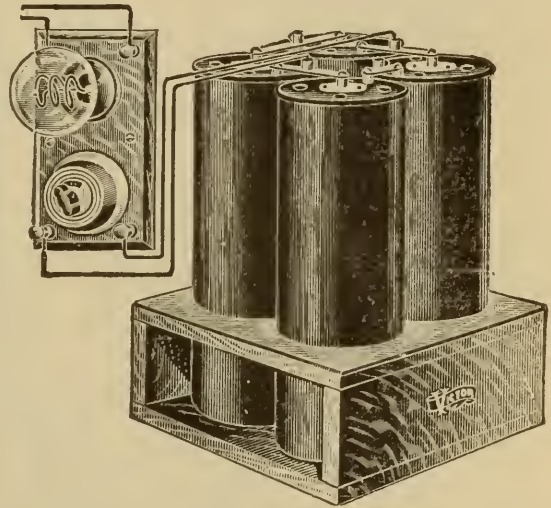
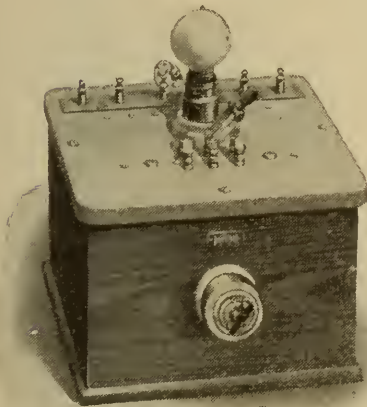


## ELECTRICAL

**F-233. VICTOR NO. 1 ELECTROLYTIC RECTIFIER**

**Service:** For converting alternating to direct current for the purpose of energizing galvanic, faradic and sinusoidal apparatus and also for energizing Eye Magnets which do not require more than one ampere of current. An inexpensive substitute for a Generating Set where finances do not permit of the latter instrument.

Price, arranged for the 110 or 220 volt  
alternating current.....\$25.00

**F-205. MCINTOSH NO. 1 A. C. RECTIFIER WITH POTENTIAL EQUALIZER**

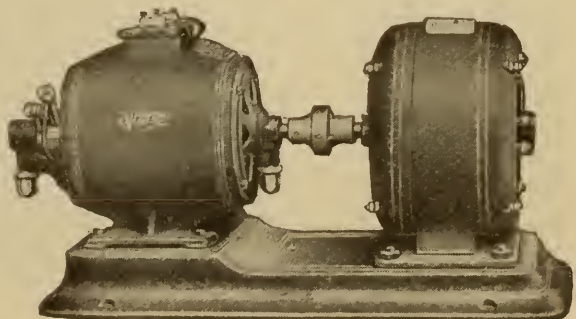
A very satisfactory device for converting alternating to direct current for use with Wall Plate. Consists of four jars containing a chemical solution, enclosed in a neat hardwood case. The device termed the Potential Equalizer eliminates the pulsations ordinarily encountered with rectifiers.

Price, McIntosh No. 1 Improved A. C. Rectifier  
with Potential Equalizer.....\$25.00

Price, McIntosh No. 2 A. C. Rectifier, omitting  
Potential Equalizer..... 15.00

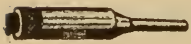
**F-236. VICTOR NO. 2 GENERATING SET**

**Service:** Primarily for converting alternating to direct current for the purpose of energizing galvanic, faradic and sinusoidal apparatus and any other apparatus which does not require more than one ampere of direct current. This Generating Set may also be used for power purposes where not more than 1-6 H. P. is required. The speed of this set variable by means of shifting the brushes. A rheostat for this purpose will be supplied on request and at an extra charge.



Price, arranged for the 110-volt 60 cycle alternating current.....\$95.00

## ELECTRICAL



F-295



F-300



F-305



F-310



F-285



F-280



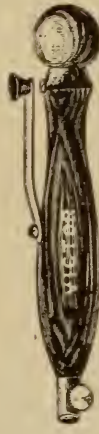
F-350



F-340



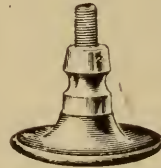
F-395



F-405



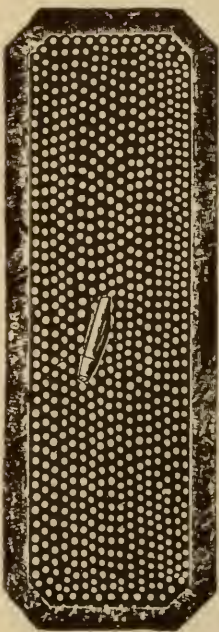
F-385



F-335-325



F-330



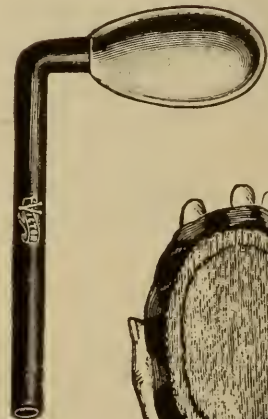
F-338



F-440



F-320



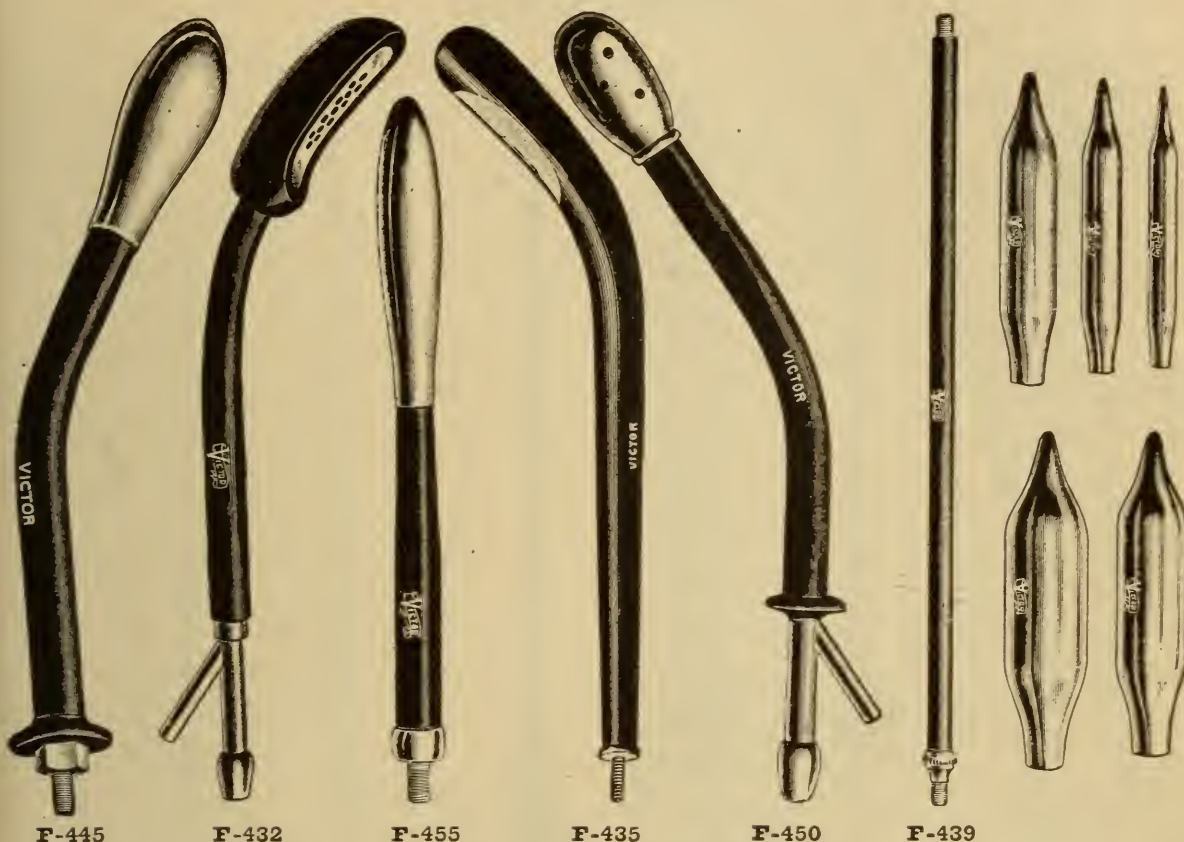
F-452



F-380



## ELECTRICAL



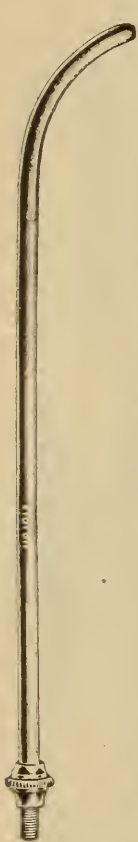
## CORD TIPS AND CONNECTORS

F-280	Handy Connector (S).....	\$0.15
F-285	Herdman's Connector (H) for sheet metal.....	.15
*F-290	Herdman's Connector (H2) double.....	.15
F-295	Adjustable Cord Tip (A), per pair.....	.20
F-300	Universal Cord Tip Connector (C).....	.15
F-305	Double Connector (D).....	.15
F-310	Universal Electrode Connector (E).....	.15

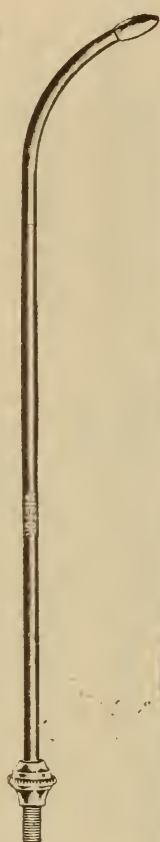
## ELECTRODES AND HANDLES

F-320	Abdominal, Hayes', spongio piline, No. 66.....	1.50
F-325	Ball, No. 32.....	.45
F-330	Brush, metallic, No. 17.....	.55
F-335	Disc, 3 sizes, No. 33.....	Each .25
F-338	Dispersive, No. 96, 4x 6 inches.....	.75
F-338a	Dispersive, No. 96, 5x 7 inches.....	1.00
F-338b	Dispersive, No. 96, 6x 8 inches.....	1.25
F-338c	Dispersive, No. 96, 7x 9 inches.....	1.50
F-338d	Dispersive, No. 96, 8x12 inches.....	2.00
F-338e	Dispersive, No. 96, 10x12 inches.....	2.00
F-338f	Dispersive, No. 96, 6x18 inches.....	2.00
F-340	Duchenne's, metallic points, No. 26.....	Per pair 1.10
*F-345	Ear, double, No. 48.....	1.65
F-350	Erb's, 3 sizes, No. 102.....	Each .30
*F-355	Eye, cup shape, No. 34.....	1.10
*F-360	Eye, double, adjustable, No. 74.....	1.40
*F-365	Eye, flat, copper, No. 37.....	.55
*F-375	Foot Plate, metal, No. 52.....	.35
F-380	Hand, spongio, rubber back, No. 3.....	1.00
F-385	Handle, Hubbell's, aseptic disc, No. 2.....	.55
*F-390	Handle, metal, nickel plated, No. 40.....	Per pair .40
F-395	Handle, Universal, with spongio discs, No. 1.....	Per pair .75
*F-400	Handle, Universal, with set screw, no discs.....	Per pair .50
F-405	Handle, Universal, with interrupter, No. 87.....	.65
*F-420	Nasal, Sharp's single, No. 64.....	.85
*F-425	Nasal, Sharp's, double, No. 65.....	1.65
*F-430	Neck, flexible hard rubber, with disc, No. 30-A.....	.85
F-432	Prostatic, Dr. Patterson's, No. 152.....	4.50
F-435	Prostatic, Bowen's, No. 126.....	3.00
*F-438	Prostatic, Neiswanger's, new, No. 131.....	2.50
F-439	Rectal, Dr. Allbright's, for stricture, 5 sizes, set.....	4.50
F-440	Rectal, copper, for haemorrhoids, No. 53-A.....	1.10
*F-445	Rectal, curved, No. 85.....	1.50
F-450	Rectal, Patterson's, hollow, No. 67.....	2.50
F-452	Rectal, Dr. Rice's, No. 63.....	1.10
F-455	Rectal, straight, No. 7.....	1.00
*F-460	Roller, for massage, No. 11.....	1.10

## ELECTRICAL



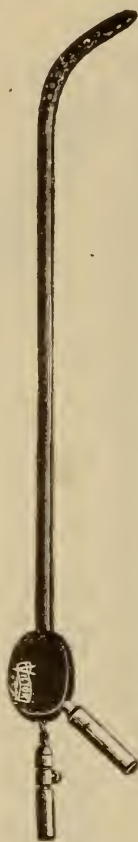
F-466



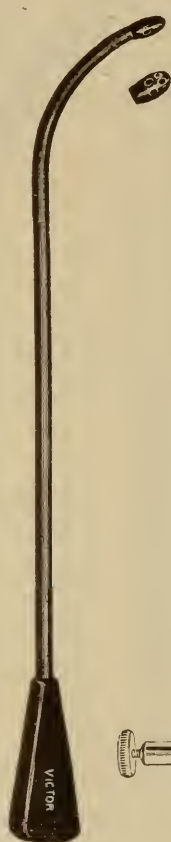
F-475



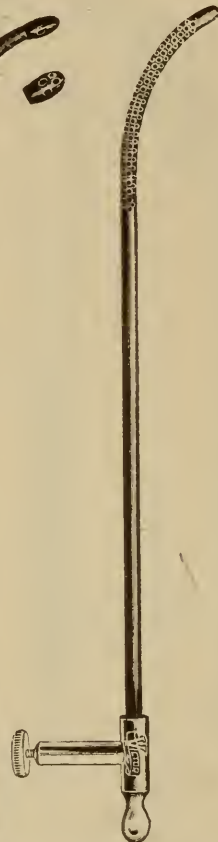
F-469



F-465



F-468



F-467



F-370



F-486



D



C

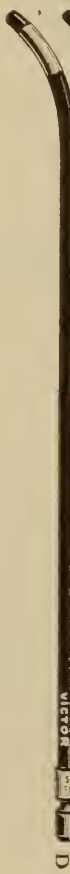


B



A

F-490



D



C



B



A

F-500



F-484

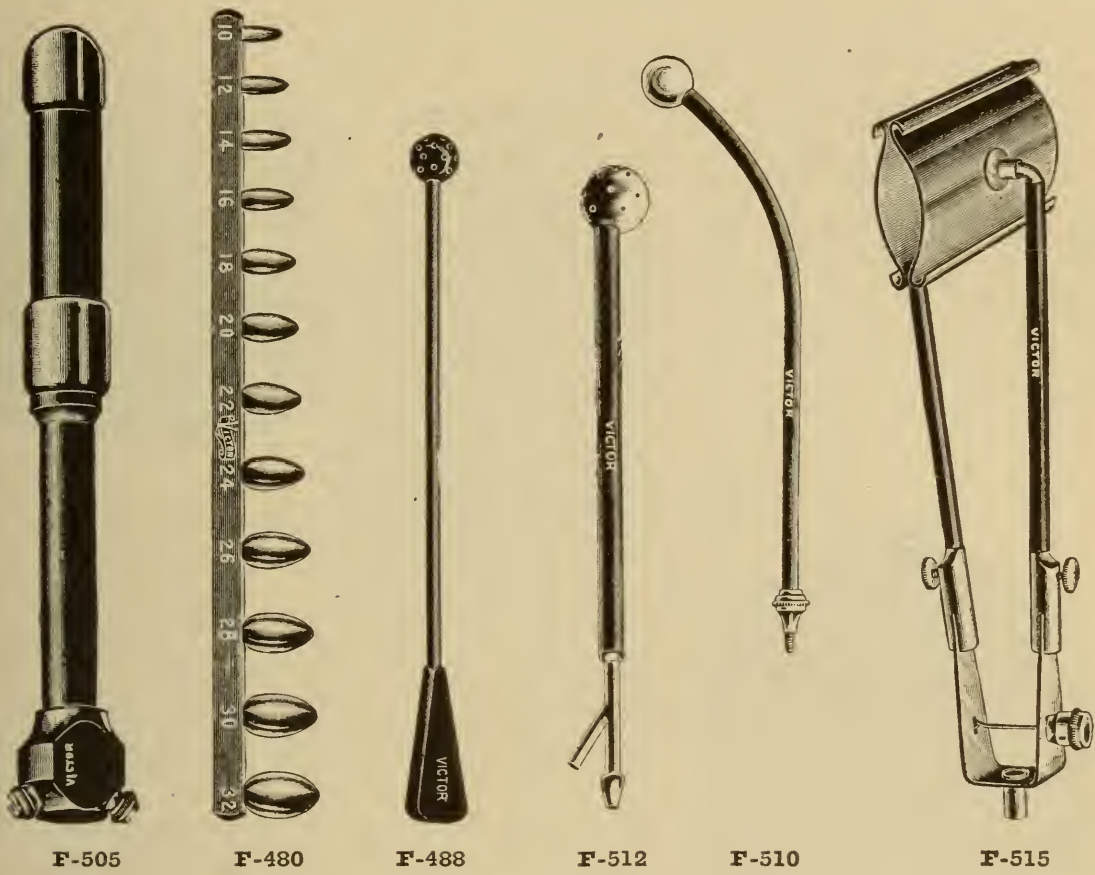


F-492-494





ELECTRICAL



ELECTRODES

F-370	Fistula, No. 143.....	\$0.55
F-465	Urethral, Armstrong-Nieswanger's, No. 103.....	3.85
F-466	Urethral, Metallic Sound, No. 50.....	.55
F-467	Urethral, Dr. Patterson's, No. 153.....	3.30
F-468	Urethral, Dr. Neiswanger's, No. 75, cataphoric No. 18 and 24 French, each	3.00
F-469	Urethral, Dr. Neiswanger's, No. 100, cataphoric.....	2.00
F-475	Urethral, rigid, hard rubber insulated, No. 21.....	.55
F-480	Urethral, set of 12 olives, No. 70, fitting electrode No. 21.....	1.65
F-485	Uterine, ball point.....	.75
F-484	Uterine, Dr. Apostoli's, No. 93, bi-polar.....	2.00
F-488	Uterine, Dr. Neiswanger's, No. 94, cataphoric, cervix.....	3.30
F-490	Uterine, Dr. Goldspohn's, No. 119, set of four sizes, \$4.00; each.....	1.10
F-492	Uterine, No. 104, with 2 stems and set of 6 copper olives, for metallic electrolysis .....	3.30
F-494	Uterine, No. 104A, with 2 stems and set of 6 zinc olives for zinc mercury amalgam cataphoresis .....	3.30
F-500	Uterine, Dr. Nieswanger's, No. 99, set of 4 sizes, \$4.40; each.....	1.35
F-505	Vaginal, Dr. Goelet's, No. 86, bi-polar.....	2.25
F-510	Vaginal, Dr. Goldspohn's, No. 116, copper ball.....	1.10
F-512	Vaginal, Dr. Neiswanger's, No. 95, cataphoric.....	2.75
F-515	Varicocele, Dr. Neiswanger's, No. 109.....	1.65
*F-520	Wrist and Arm, No. 30.....	.85

ELECTRICAL

F-238. VICTOR A. C. CAUTERY TRANSFORMER

**Range of Service:** Cautery current for every type of electrode from the smallest to the largest; diagnostic lamp current, complete service with a great refinement of control. The two circuits are independent of one another, permitting of both cautery and diagnostic lamps to be used simultaneously.

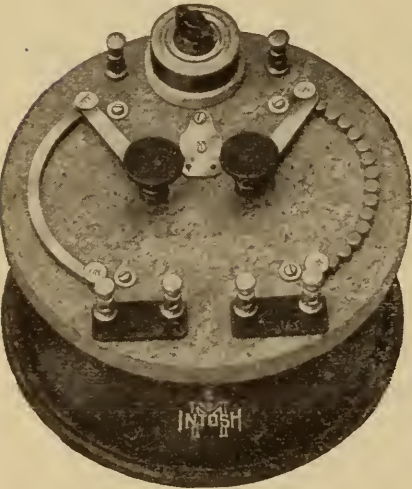
Price, arranged for the 110 or 220-volt alternating (60 cycle) current.....\$27.50



F-235. McINTOSH NO. 1 A. C. CAUTERY CONVERTER

An excellent apparatus for heating cautery electrodes and illuminating any cystoscope, urethroscope, trans-illuminator or other diagnostic lamp. Gives perfect control for the lightest cautery for eye work to the heavy hemorrhoidal cautery, which requires 100 amperes. This device is intended to be operated on the alternating current.

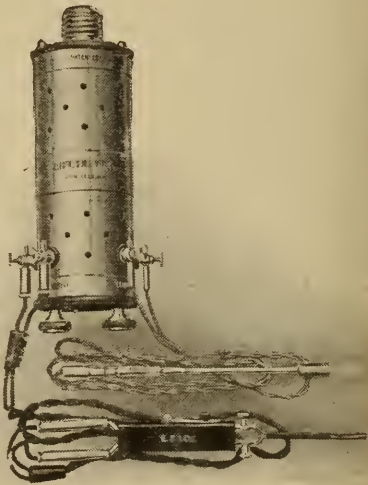
Price, including attachment plug with cord....\$25.00  
Price, No. 34 Heavy Hemorrhoidal Cautery Electrode ..... 3.00  
Price, Heavy Cautery Handle ..... 2.50  
Price, Heavy Cautery Cords ..... 2.50



F-14. ELECTRO SURGICAL INSTRUMENT CO. SOCKET CAUTERY TRANSFORMER

Our socket cautery transformer is the only device of its kind on the market. It weighs but 2½ pounds, is 6½ inches long and 2½ inches in diameter and will screw into any ordinary lamp socket. It is for use on the alternating current of any voltage and number of cycles and will furnish current for ordinary cauteries and all kind of diagnostic lamps. Being fitted with two pairs of binding posts, each with independent wiring, cautery and lamp may be used simultaneously, if desired. The current graduation is exceedingly fine and even and the range large so that the smallest diagnostic lamps and lightest cauteries as well as 15 volt lamps and ordinary cauteries may be used with equal satisfaction. Its construction is simple and thorough, there being practically nothing to get out of order and its easy portability enables it to fill an entirely unoccupied field, all other transformers being too bulky or heavy to be readily carried about, and none screwing directly into the socket. No resistance lamp is used, so that trans-illumination is obtainable in absolute darkness. When ordering please state voltage and number of cycles of current on which transformer is to be used.

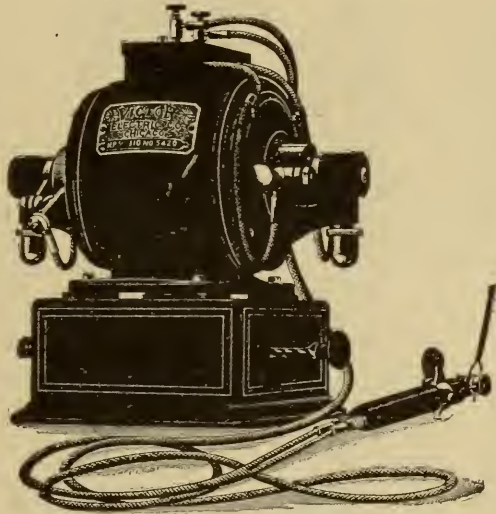
Price, with lamp cords .....\$20.00  
Price, with lamp and cautery cords..... 22.25





## ELECTRICAL

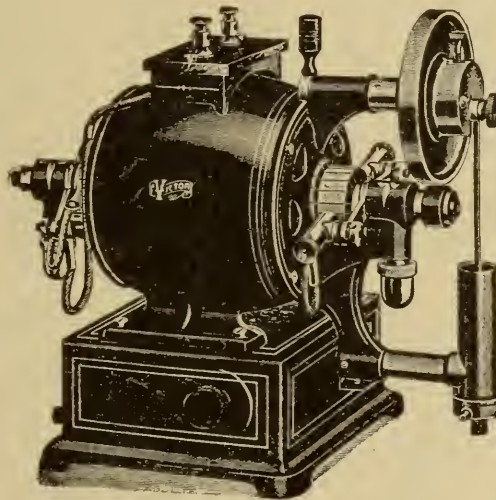
## Cautery Transformers

**F-237. VICTOR NO. 8 CAUTERY TRANSFORMER**

**Range of Service:** Cautery current for all types of electrodes; diagnostic lamp current, complete service; furnished for the direct current only.

Price, arranged for the 110 volt direct current.....\$38.00

Price, arranged for the 220 volt direct current..... 41.00

**F-241. VICTOR NOS. 10 AND 11 COMBINATION CAUTERY AND MASSAGE OUTFITS**

**Range of Service:** Cautery current; diagnostic lamp current; pneumatic massage; vibratory massage; nasal drilling; compressed air (limited service).

The Victor No. 10 is arranged for the direct current, while the Victor No. 11 is for the same service only arranged for the alternating current.

Price of the Victor No. 10 outfit, arranged for the 110 volt direct current.....\$69.50

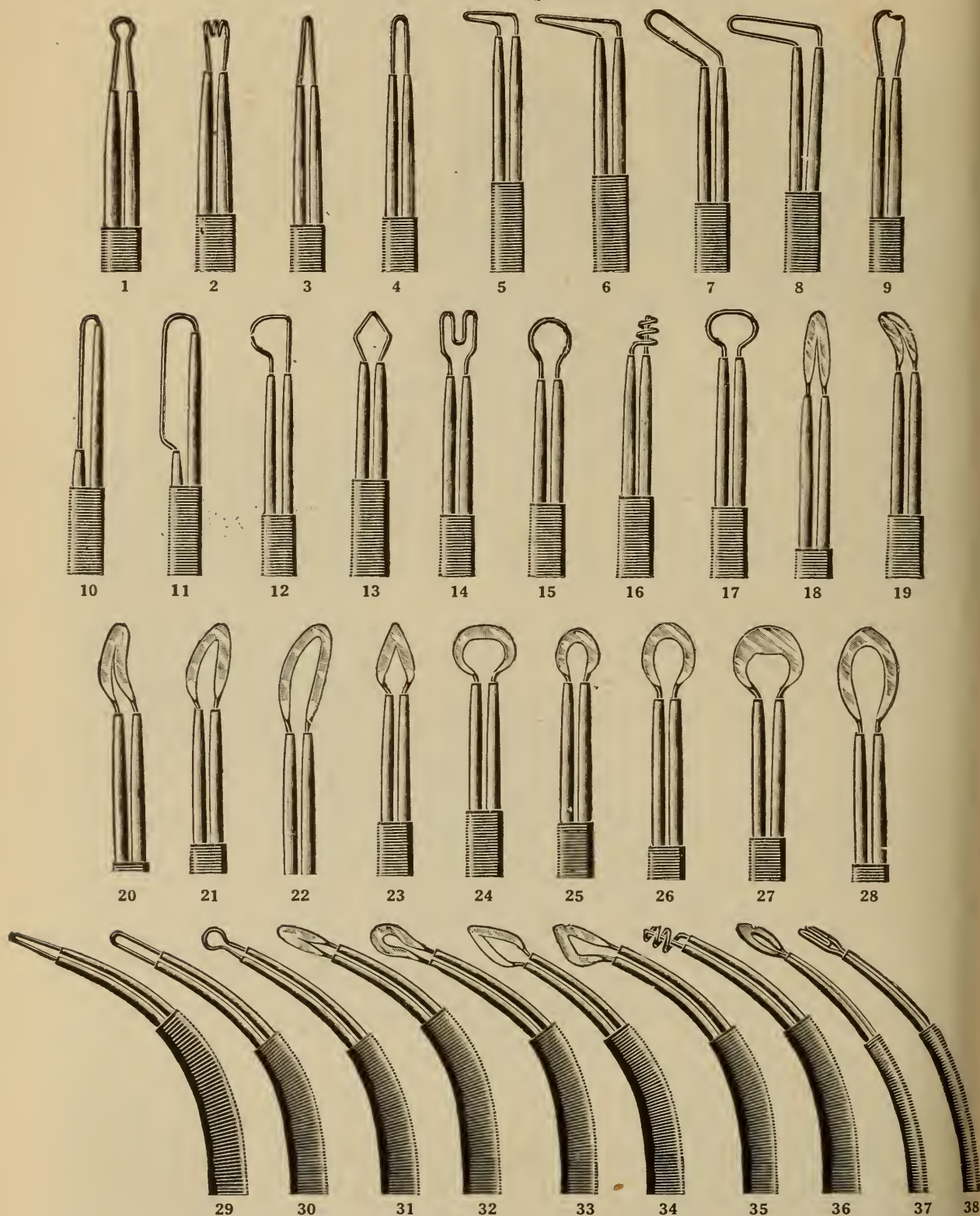
Price of above, arranged for the 220 volt direct current..... 72.50

Price of Victor No. 11 outfit, arranged for the 110 volt alternating (60 cycle) current ..... 76.50

Price of above, arranged for the 220 volt alternating (60 cycle) current..... 79.50

# ELECTRICAL

## Victor Cautery Electrodes



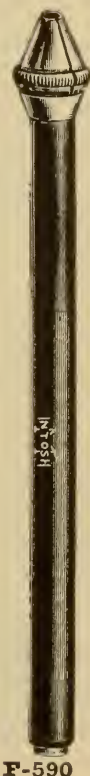
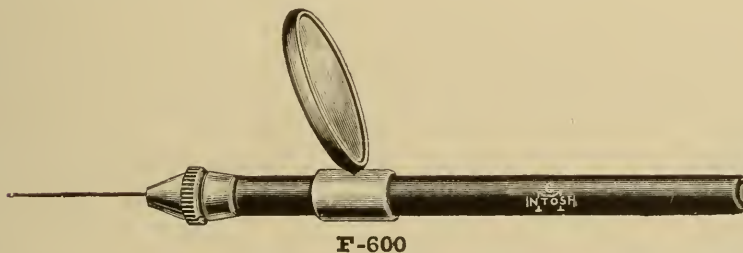
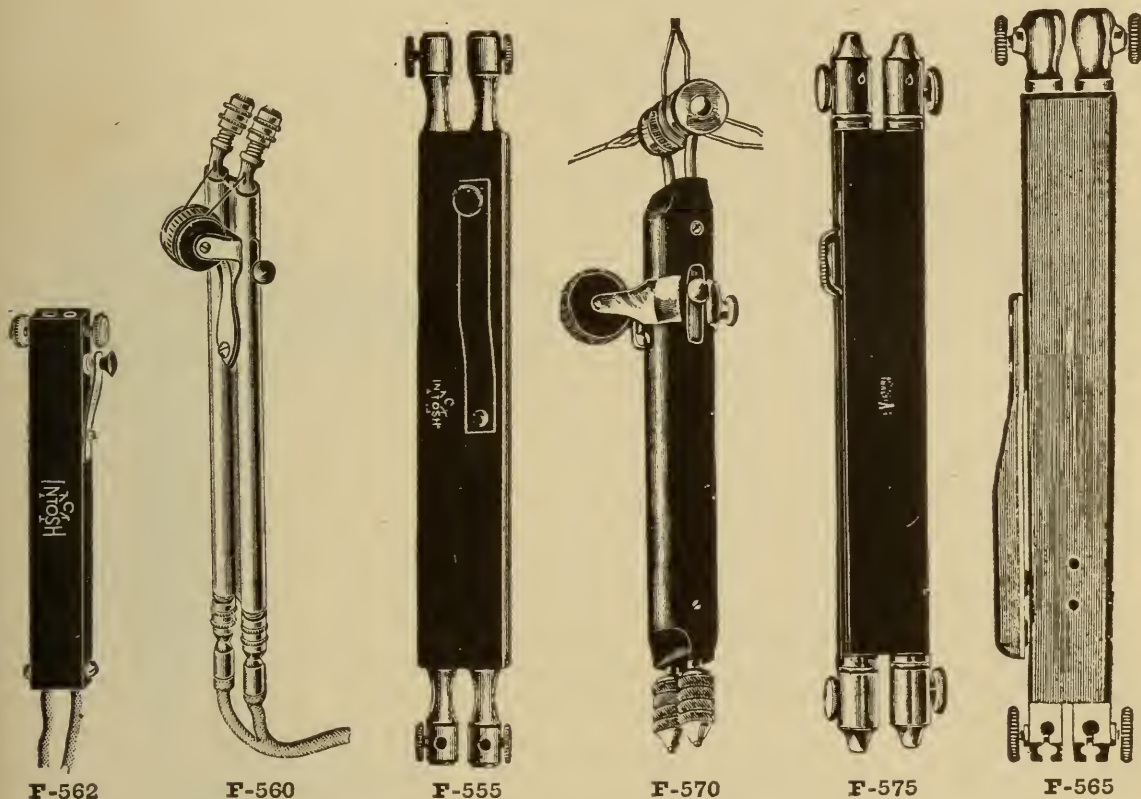
### CAUTERY ELECTRODES

No. 1....\$0.95	No. 9....\$1.40	No. 17....\$1.25	No. 25....\$0.95	No. 32....\$1.05
No. 2.... 1.35	No. 10.... 1.30	No. 18.... 1.35	No. 26.... 1.05	No. 33.... 1.05
No. 3.... .95	No. 11.... 1.40	No. 19.... 1.30	No. 27.... 1.45	No. 34.... 1.05
No. 4.... .95	No. 12.... 1.30	No. 20.... 1.15	No. 28.... 2.70	No. 35.... 1.05
No. 5.... 1.00	No. 13.... 1.30	No. 21.... 1.35	No. 29.... 1.05	No. 36.... 1.50
No. 6.... 1.30	No. 14.... 1.30	No. 22.... 1.35	No. 30.... 1.05	No. 37.... 1.05
No. 7.... 1.35	No. 15.... 1.00	No. 23.... 1.00	No. 31.... 1.05	No. 38.... 1.35
No. 8.... 1.30	No. 16.... 1.50	No. 24.... 1.55		



## ELECTRICAL

### Cautery Electrode Handles



#### CAUTERY ELECTRODES, HANDLES, CORDS, ETC.

*F-552	Cautery Electrodes, for eye work, Nos. 1, 2, 3 and 4, each.....	\$1.10
*F-554	Cautery Electrodes, for eye work, No. 5 .....	1.35
F-555	Cautery Electrode Handle, McIntosh, fiber.....	1.50
F-560	Cautery Electrode Handle, McIntosh, universal, metallic .....	5.00
F-562	Cautery Electrode Handle, McIntosh, eye, with cords attached .....	3.00
F-565	Cautery Electrode Handle, Pynchon's .....	3.00
F-570	Cautery Electrode Handle, Victor No. 1, with snare wheel, \$5.00; without.....	4.25
F-575	Cautery Electrode Handle, Victor No. 2.....	2.25
F-585	Conducting Cords, heavy, for cautery work, per pair .....	1.25

#### NEEDLE HOLDERS AND NEEDLES FOR ELECTROLYSIS

F-590	Electrolytic Needle Holder, McIntosh .....	\$0.75
F-595	Electrolytic Needle Holder, McIntosh, with interrupter .....	1.00
F-600	Electrolytic Needle Holder, McIntosh, with magnifying glass.....	1.50
*F-605	Electrolytic Needles, steel broaches, per dozen.....	.75
*F-610	Electrolytic Needles, Hayes', bulbous-pointed, steel, per dozen.....	1.00

## ELECTRICAL

**F-616. VICTOR NO. 17 PORTABLE VIBRATOR**

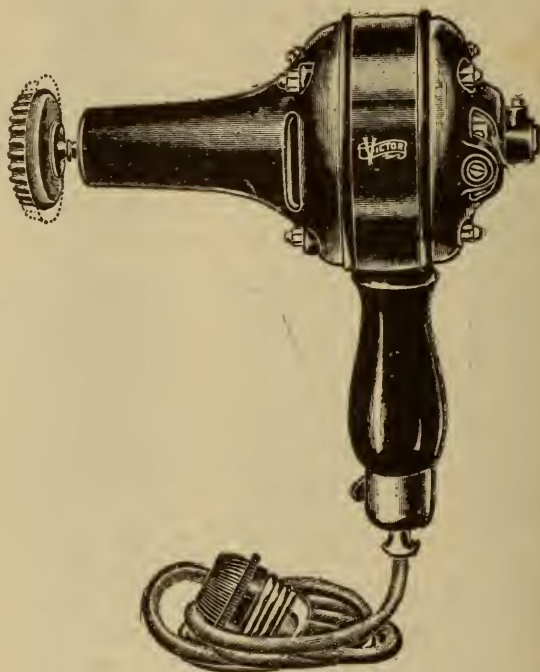
In common with all other apparatus of Victor manufacture, **quality** and **simplicity** have been given first consideration. The commutator is made of copper, and the whole motor is so perfectly constructed that it runs absolutely sparkless on either direct or alternating current. The mechanical parts are made of hardened tool steel which means unusually long life. The only parts of the vibrator subject to wear are the carbon brushes which should last at least one year and a half before renewals are necessary.

**Operable on Both Direct and Alternating Current.** This is a "Universal" vibrator, which means that the one vibrator can be operated from either current.

Black japan and nickel finish.

Price of above vibrator, complete with plush lined carrying case, and four applicators, arranged for operation on both 110 volt direct and alternating (60 cycle) currents.....\$26.25

Price, complete as listed above, but arranged for 220 volts direct and alternating (60 cycle) currents.... 29.25

**F-620. VICTOR NO. 1 MESSAGE APPARATUS**

Designed exclusively for professional service. Has been accepted as the standard massage apparatus by the American Electro-Therapeutic Association. Delivers both sedative and stimulative strokes. The intensity and speed are under separate and refined control.

Furnished with or without pedestal as desired.

Simple in construction and manipulation and will last a lifetime.

Price of Victor No. 1 massage apparatus, complete with motor, handpiece and six applicators, arranged for the 110-volt direct current.....\$73.00

Price, arranged for the 220 volt direct current..... 76.00

Price, arranged for the 110 volt 60 cycle alternating current ..... 75.00

Price, arranged for the 220 volt 60 cycle alternating current ..... 78.00

Price of Victor No. 2 Pedestal for same (all metal construction with swivel top)..... 11.50





## ELECTRICAL

### Massage Apparatus

#### Rubber Cones

##### DESCRIPTION AND PRICE LIST

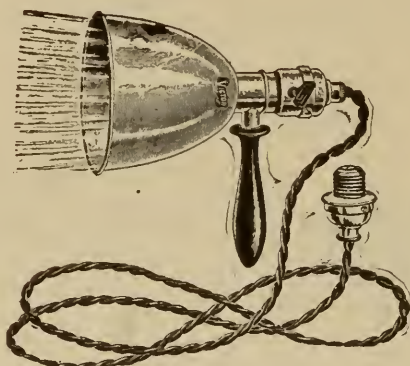
C-3.	Soft rubber cone, extra large for abdominal and general application.....	\$1.50
D-4.	Soft rubber cone, adapted to mastoid and head.....	.75
D-4.	Soft rubber cone, with serrated or corrugated edge.....	.75
E-5.	Soft rubber cone, facial application, especially around nose and eyes.....	.75

#### Applicators

No. 1.	Straight probe for mucous membrane.....	\$0.50
No. 2.	Straight rectal application (internal).....	.85
No. 3.	Curved applicator for throat and curved surfaces.....	.85
No. 4.	Rectal for external use.....	.85
No. 5.	Hard rubber, medium size, for muscular vibration.....	.85
No. 6.	Large corrugated rubber disc, for abdominal massage.....	.85
No. 7.	Cushioned applicator, general work.....	.95
No. 8.	Small corrugated hard rubber disc.....	.65
No. 9.	Probe for mucous membranes with spring to lessen severity of vibrations	.90
No. 10.	Spring to lessen severity of vibrations (cut shows application).....	.60
No. 11.	Probe made of twisted silver wire with eyelet to carry medicated ribbon	.75
No. 12.	Large convex hard rubber muscle roller.....	1.35
No. 13.	Large concave hard rubber muscle roller.....	1.35
No. 14.	Large concave hard rubber heart applicator.....	1.35
No. 15.	Spinal applicator (fingers separated sufficiently to span the spine).....	1.35
No. 16.	Uterine applicator, cotton to be placed in the hard rubber cup each time before using.....	1.40
No. 17.	Soft rubber brush.....	.75
No. 18.	Expanding rectal applicator, (4½ inches) 11 cm. long, (2 inches) 5 cm. at base, devised by Dr. J. Rawson Pennington of Chicago.....	1.75
No. 19.	Soft rubber rectal applicator ( 5 inches) 13 cm. long.....	1.50
No. 20.	Soft rubber rectal applicator (13 inches) 33 cm. long, with hole through center and water inlet and outlet for flushing colon.....	2.50
No. 20.	Without flushing attachment.....	2.00
No. 25.	Combination prostatic applicator and electrode, diameter (½ inch) 1.3 cm. (4½ inches) 11 cm.....	2.00
No. 26.	Soft rubbers.....	.95
No. 27.	Solid soft rubber ball (1½ inch) 3 cm. in diameter.....	.85
No. 28.	Combination applicator and electrode.....	.70

## ELECTRICAL

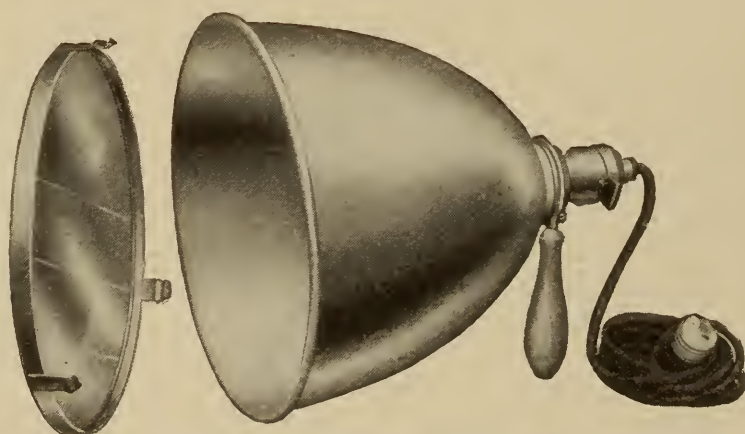
### Therapeutic Lamps



**F-764. VICTOR M. I. P. THERAPEUTIC LAMP**

A most useful light therapy appliance which may be used both at the office and the bedside. Has a carbon filament bulb and delivers in excess of 76 candle-power of light energy. Produces all of the rays in the visible sunlight spectrum, covering the same ground as the Victor Solar Lamp excepting in a much more limited area.

Price, complete as shown, arranged for the 110 volt direct or alternating current..\$7.00  
 Price, arranged for the 220 volt direct or alternating current..... 8.00  
 Price of color screens (red, amber, blue or violet), each..... 1.75



**F-769. FISCHER "RADIOLIGHT" 10 IN. LAMP**

The "Radiolight" consists of a strong, yet light, aluminum reflector properly spun to deliver the fine focused rays so necessary for treatments with this method. Equipped with a three hundred and seventy-five watt Stereopticon globe, developing enormous heat; but with light in direct proportion, as with sunlight. The reflector is so constructed that it is truly portable; weighing but a few ounces; yet strong enough to easily resist the wear that an outfit of this kind is constantly subjected to.

"Radiolight" with cord, plug and 375 watt globe.....\$8.00  
 Red, blue or amber screens..... 2.00  
 Extra globes, each..... 2.50



## ELECTRICAL THERAPEUTIC LAMPS

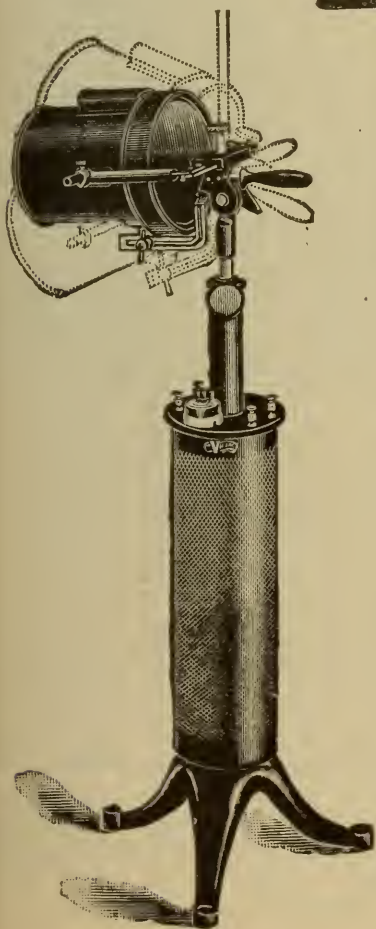
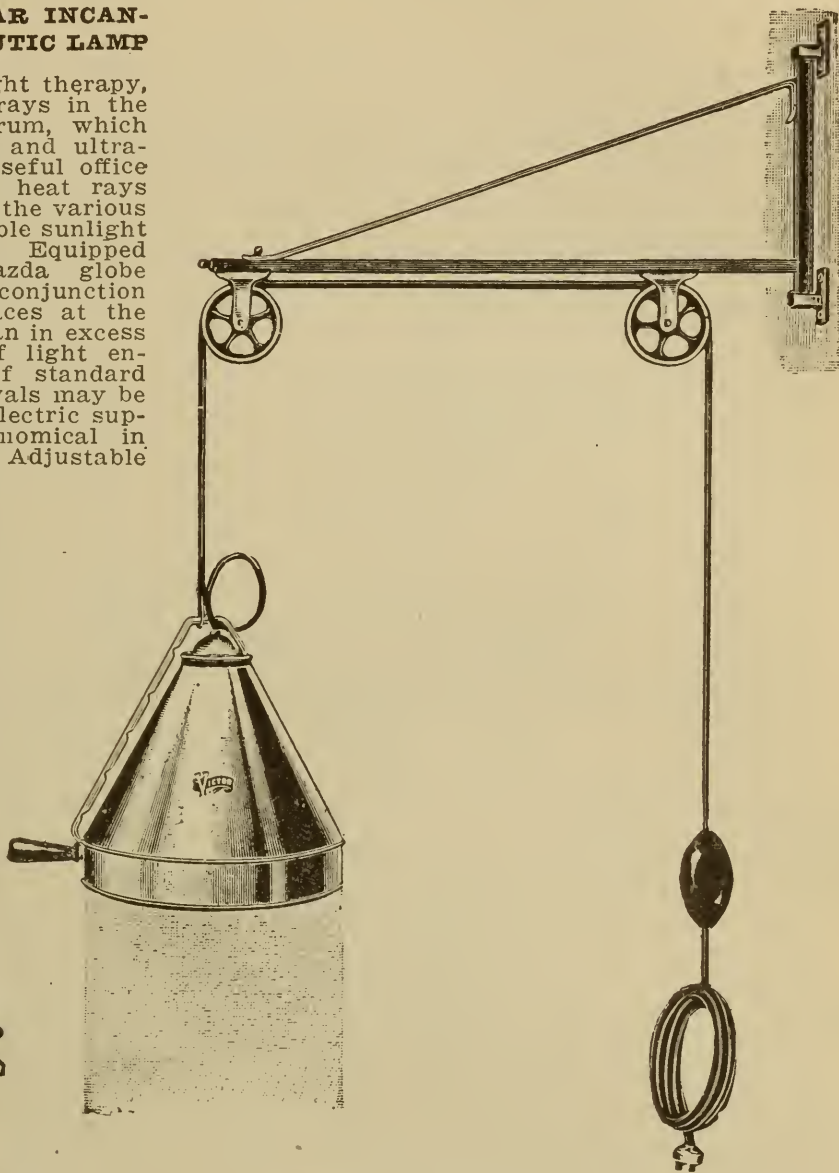
**F-771. VICTOR SOLAR INCANDESCENT THERAPEUTIC LAMP**

**Service:** Limited light therapy, embracing all of the rays in the visible sunlight spectrum, which excludes the infra-red and ultra-violet rays. A most useful office instrument where the heat rays and selective effects of the various colored rays in the visible sunlight spectrum are desirable. Equipped with a 500-watt Mazda globe which, when used in conjunction with the reflector, places at the disposal of the physician in excess of 500 candlepower of light energy. The globe is of standard manufacture and renewals may be obtained through any electric supply house. Very economical in current consumption. Adjustable to any position.

Price, complete as shown, including swinging arm, counter weighting, etc., arranged for the 110 volt direct or alternating current .....\$44.00

Price, complete as listed above, but arranged for the 220 volt current..\$45.00

Price of color screens, each \$6.00 extra.

**F-762. VICTOR SUN ARC LAMP**

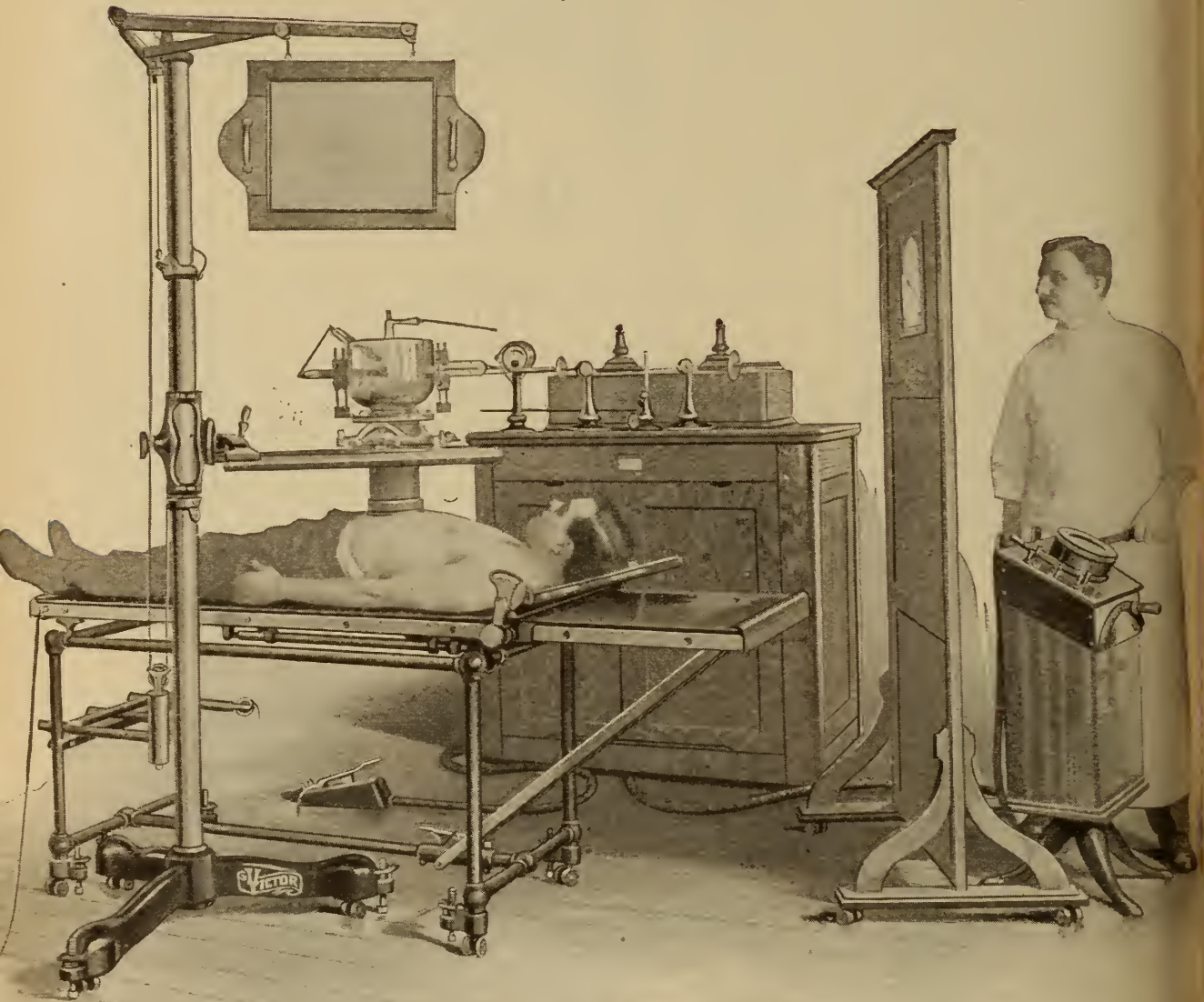
**Service:** Universal light therapy, producing artificial sunlight, i. e., every ray in the complete sunlight spectrum being available from this lamp, which includes the ultra-violet rays which are not obtainable from the incandescent type of therapeutic lamp.

Two color screens are provided with this lamp, a blue screen for sedative effects and a red screen for stimulative effects.

Operates on either direct or alternating current.

Price, complete as shown, including one each of red and blue screens, one dozen special carbons, one special conducting cord and fuse block, arranged for the 110 or 220 volt direct or alternating current.....\$62.00

## X-RAY APPARATUS

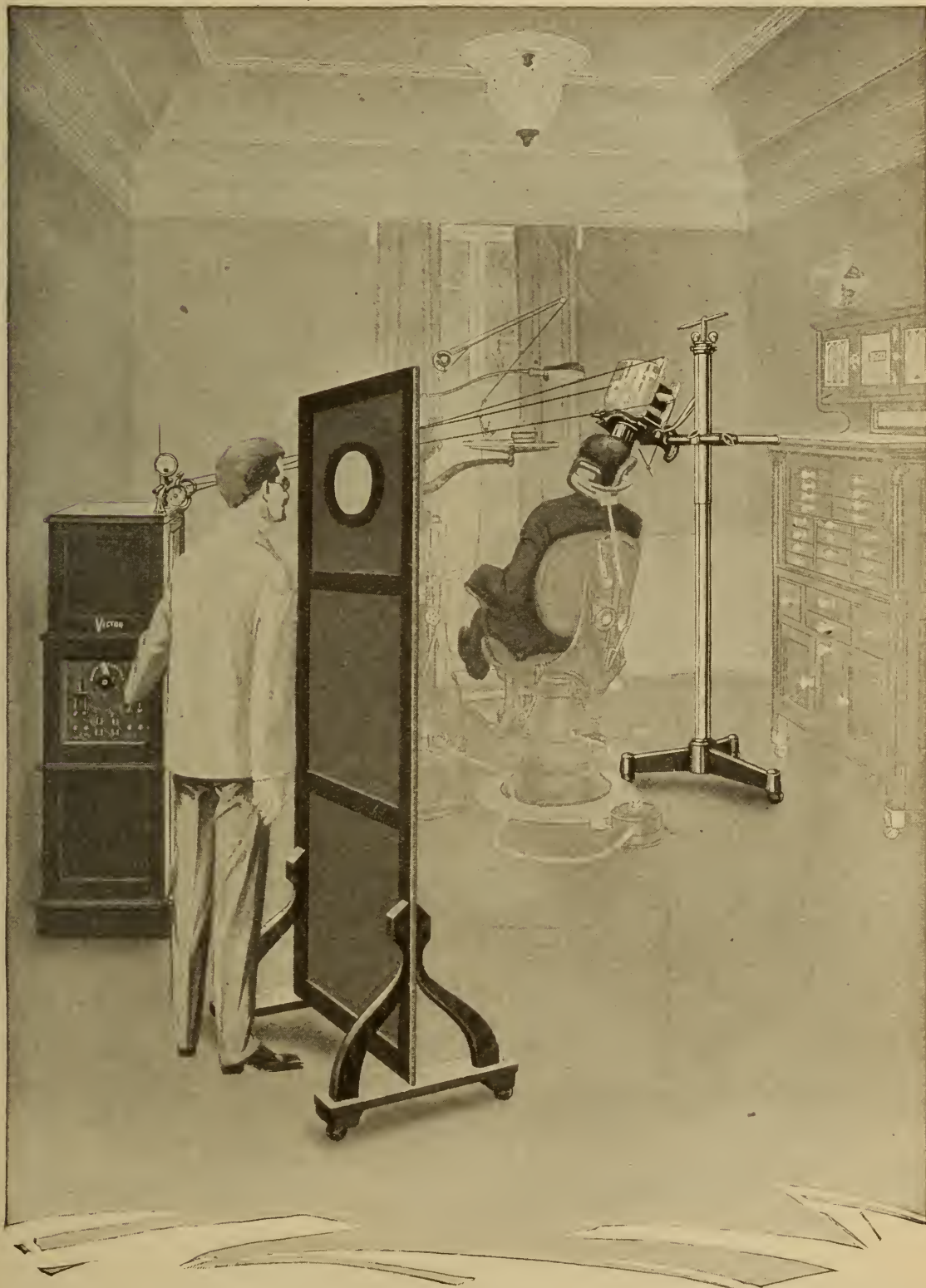
**F-1154. "WANTZ SPECIAL" INTERRUPTERLESS X-RAY TRANSFORMER**

Space in our general catalogue is too limited to go into detailed description. If interested, send for special catalogue on **Victor Transformers, Roentgen Stands, Tables and X-Ray Accessories.**

The **Victor** product is guaranteed, and the guarantee is always made good.



ELECTRICAL  
VICTOR X-RAY APPARATUS  
Designed Especially for Dentists



Working view of Victor Dental X-ray installation, showing the transformer, protective screen, and radiographic stand in operative position where plenty of floor space is available.

Our space is entirely too limited in a general catalogue to go into detailed description. Send for special catalogue if interested.

## ELECTRICAL

## X-RAY APPARATUS MANUFACTURED BY McINTOSH BATTERY &amp; OPTICAL CO.



**Interrupterless, Motorless, Commutatorless and Noiseless.**

**F-1224. HOGAN SILENT ROENTGEN TRANSFORMER, 5 K. W.**

(Patented March 14, 1916, and Jan. 30, 1917)  
(Other patents pending)

A powerful X-Ray apparatus capable of producing contrasty radiographs of any bone structure of the body and splendid diagnostic plates of gastro-intestinal conditions at extremely short exposures. Very simple of construction. Built according to a new principle with motor and commutator entirely eliminated, hence no moving parts to get out of order. Uses comparatively small amount of electricity and is easy on tubes. Highly efficient in current output, as the highest grade of kidney and stomach work can be done with 20 to 30 M. A. in tube. This means long life to tubes. Many valuable, exclusive, patented features, such as protective lead-lined door enclosing switchboard and forming protective screen to operator, taking up no room when closed. Fluoroscopic screen may be attached to outside of large lead-glass window 16x20 inches in door, affording excellent fluoroscopic results in chest, stomach and fracture cases. Extremely rapid exposures can be made, producing extremity pictures in a fraction of a second, and pictures of the deeper parts in from one to five seconds; while with an intensifying screen these exposures can be reduced proportionately. For treatment work it is now considered a standard apparatus. For screen work or deep therapy it is equally adapted; while for Coolidge tube technique it is unsurpassed. Lengthy fluoroscopic examinations can be made with great satisfaction. The deep

penetration afforded by this apparatus is attributable to the extremely high voltage of the current, as the maximum spark gap is 15 inches. When desired a most effective High Frequency Resonator can be built in the lower panel of the cabinet, affording high efficiency for Tesla; Vacuum Electrode application; d'Arsonval current for Auto-Condensation up to 1,200 or 1,500 M. A.; local application; Diathermy and Fulguration. This apparatus is offered at an extremely low price considering the high efficiency afforded.

F-1224	1 Hogan Silent Roentgen Transformer, 5 K. W., 110-220 volt alternating current, 60 cycles, complete with lead-lined protective door with lead-glass window 16x24 inches, including switchboard, rheostat, ammeter in primary circuit, high tension milliammeter and three cord reels....	\$750.00
F-1230	1 Fluoroscopic Screen, 11x14 inches, including attachments for mounting on door of cabinet.....	75.00
F-1232	1 High Frequency Resonator built in lower panel of cabinet for d'Arsonval, Tesla and Diathermy currents up to 1,500 M. A.....	60.00
F-1234	1 Set six Snow's Vacuum Electrodes with non-sparking handle and cord	5.50
F-1236	1 Lead-Lined Plate Compartment.....	18.00
F-1238	1 Improved MacLagan Mechanical Time Switch graduated to 1-5 second	35.00
F-1244	1 McIntosh No. 1 Stereoscopic Tube Stand, including one lead cone....	75.00
F-1242	1 McIntosh Negative Illuminator .....	25.00
F-1244	1 7-inch Tungsten Target Tube.....	35.00
F-1248	1 11x14-inch Intensifying Screen and Cassette.....	55.00
F-1248	1 Tube Rack for three tubes.....	2.50

Price of complete outfit for 60 cycle alternating current.....\$1,136.00

F-1226	1 Hogan Silent Roentgen Transformer, 5 K. W., 220 volt direct current, complete with lead-lined protective door with lead-glass window, 16x24 inches, including switchboard, rheostat, ammeter in primary, circuit, high-tension milliammeter, three cord reels, rotary converter (full capacity) and starting rheostat.....	\$900.00
F-1228	Price of 5 K. W. direct current Transformer with complete equipment as enumerated above .....	1,236.00

**FOR AUTO-CONDENSATION WORK ADD:**

F-1250	1 Auto-Condensation Pad, new pattern, with glass di-electric.....	\$20.00
F-1252	1 Hot-Wire Milliammeter, 0-1500 M. A.....	25.00
F-1254	1 Simple X-Ray Table, convenient for holding auto-condensation pad....	15.00

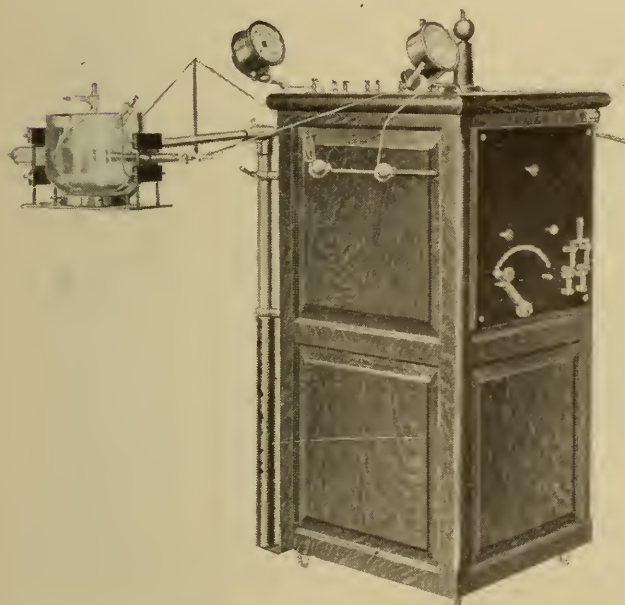
Price of complete set of accessories for auto-condensation.....\$60.00



## ELECTRICAL

**X-RAY APPARATUS MANUFACTURED BY McINTOSH BATTERY & OPTICAL CO.****HOGAN SILENT ROENTGEN TRANSFORMER, 2 K. W.**

(Patented Jan. 30, 1917)

**Interrupterless, Motorless, Commutatorless  
and Noiseless**

For fluoroscopic examination or treatment work such as is desired in general practice, this apparatus meets every indication.

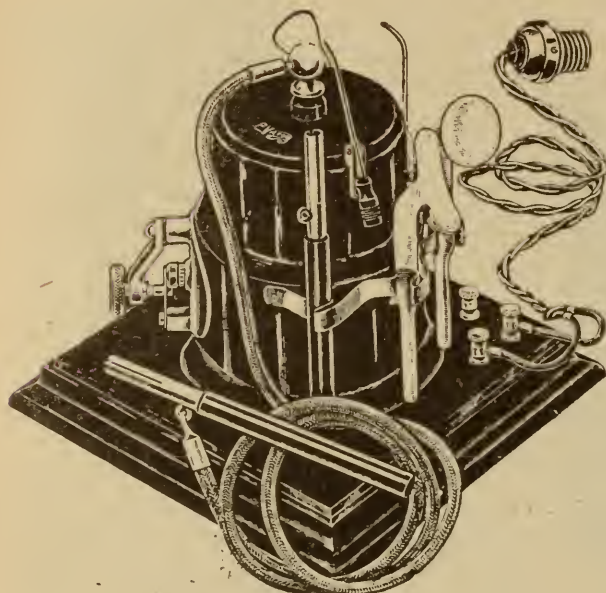
It is easy to install, consumes only 10 or 15 amperes of current, is simple to operate and requires a minimum of attention on the part of the operator. While the apparatus is absolutely noiseless with alternating current, a rotary converter is required with direct current to transform the direct current to alternating. The outfit is offered at a most moderate price considering the great power and wide range of effects afforded:

F-1260	1 Hogan Silent Roentgen Transformer, 2 K. W., for 110 volts, 60 cycles A. C., omitting Tube Holder, X-Ray Milliammeter and Hot-Wire Milliammeter, but including two cord reels, set of six Snow's vacuum electrodes with high frequency cord and non-sparking handle.....	\$400.00
F-1266	1 X-Ray Milliammeter, additional.....	25.00
F-1268	1 Hot-Wire Milliammeter for measuring d'Arsonval current for auto-condensation .....	25.00
F-1270	1 Adjustable Tube Holder with lead-glass bowl and spring support attached to side of cabinet.....	35.00
F-1272	1 6-inch X-Ray Tube with platinum faced target.....	20.00
F-1274	1 Auto-Condensation Pad with glass di-electric, mounted in polished oak frame .....	20.00
F-1276	1 8x10-inch Fluoroscopic Screen with adjustable bracket attached to tube stand .....	25.00
F-1278	No. 1 Photographic Outfit.....	10.50
F-1279	X-Ray Image Box suitable for examination of 8x10-inch plates.....	6.50
Price, complete A. C. outfit for X-Ray and High Frequency Work...		\$567.00
F-1262	1 Hogan Silent Roentgen Transformer, 2 K. W., for 110 volts D. C., omitting Tube Holder, X-Ray Milliammeter and Hot-Wire Milliammeter, but including two cord reels, set of six Snow's vacuum electrodes with high frequency cord, non-sparking handle, rotary converter and starting rheostat .....	\$525.00
F-1264	Price, complete D. C. outfit for X-Ray and High Frequency work, including all accessories enumerated above.....	692.00

Herewith is presented the general practitioner's ideal outfit suitable for radiographic diagnosis of any bone structure of the body. Pictures of the extremities can be made in from one to five seconds, while pictures of the hip can be produced in from ten to fifteen seconds. This machine is constructed on the same principle as the larger model Hogan Transformer and has no rectifier, commutator or other moving parts, hence it is good for practically a life time of service without attention. A High Frequency Resonator is built into the cabinet but is not a part of the Transformer, as the high frequency current is not used for X-Ray work. This Resonator affords ideal Tesla current for vacuum electrodes, d'Arsonval current for auto-condensation (up to 1,200 M. A.) or local application, diathermy and fulguration and is automatically connected or disconnected with the Transformer by means of a switch operated by a knob on the switchboard, similar to the well-known McIntosh Dial Current Selector.

## ELECTRICAL

## HIGH FREQUENCY APPARATUS

**F-786. VICTOR GEM HIGH FREQUENCY COIL**

**Range of Service:** Vacuum electrode treatment, static spark and superficial fulguration.

Built on the Tesla principle of transformation.

**Dimensions:** 10 in. wide, 10 in. deep, 10 in. high; weight, approximately 5 lbs.; finish, hard rubber in black enamel.

Price, complete as shown, including attachment plug and cord for vacuum electrodes, electrode handle, electrode cord and protective carrying case, arranged for the 110 volt direct or alternating current .....\$30.00

Price, complete as listed above, arranged for the 220 volt direct or alternating current.. 33.75

**F-787. VICTOR NO. 10 HIGH FREQUENCY COIL**

**Range of Service:** Fulguration for all branches of this work, including orificial fulguration (papilloma of the bladder, etc.); superficial fulguration (destruction of warts, moles, etc.); diathermy for deep seated eating effects, the current range being from zero to an excess of 2,000 milliamperes; vacuum electrodes (complete service); ozone inhalation and static spark.

This apparatus is constructed on the d'Arsonval principle of transformation and delivers both d'Arsonval and Oudin currents.

Two interchangeable inductors are an integral part of the apparatus and virtually double the service of the apparatus.

**Dimensions:** 14½ in. wide; 11 in. deep, 12½ in. high; weight (net), 44 lbs. Finished in golden oak.



Price of above apparatus exclusive of all accessories excepting attachment plug and cord and electrode cords, arranged for the 110 volt 60 cycle alternating current .....\$ 80.00

Price, complete as listed above, but arranged for the 110 volt direct current..... 130.50

Price of fulguration wire (for introduction through cystoscope), per foot..... .20



ELECTRICAL

C-776. VICTOR NO. 7 HIGH FREQUENCY COIL  
(Tesla Type)

The following currents and modalities are obtainable from this apparatus:

**AUTO-CONDENSATION** of comparatively high potential and low milliamperage.

**D'ARSONVAL (Diathermy).** This current differing in character from the same current obtainable from the Victor No. 8 High Frequency outfit in that the potential is much higher and the current decreased in proportion, the physiological effects being practically the same.

**FULGURATION.** This modality being ideal for the removal of all superficial superfluous growths, such as warts, moles, etc., etc.

**HIGH FREQUENCY SPRAY OR EFFLEUVE.**

**VACUUM ELECTRODE.**

**OZONE INHALATION.** By means of a small generating and filtering attachment.

**ULTRA-VIOLET LAMP.**

**X-RAY.** This outfit will be found of sufficient power for radiography of the extremities and all therapeutic work, with the exception of deep tissue therapy.

**CONTROL.** Every current obtainable from this apparatus is under absolute control of the operator—both as regards the quantity and the frequency.

PRICES

Arranged for 60-cycle alternating current, complete with six vacuum electrodes, one adjustable holder for same, one No. 530 electrode, one No. 531 electrode, one pair of automatic spring cord reels and one attachment plug and cord..\$200.00  
Arranged for 110-volt direct current..... 310.00  
Arranged for 220-volt direct current..... 313.00  
(Meter not included in above prices.)

F-777. VICTOR NO. 8 HIGH FREQUENCY COIL  
(d'Arsonval Type)

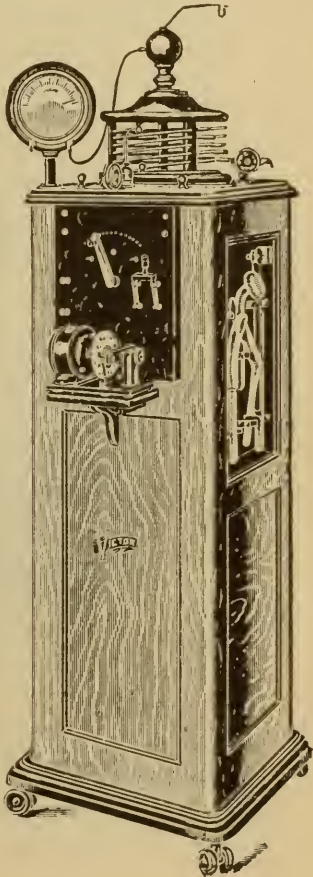
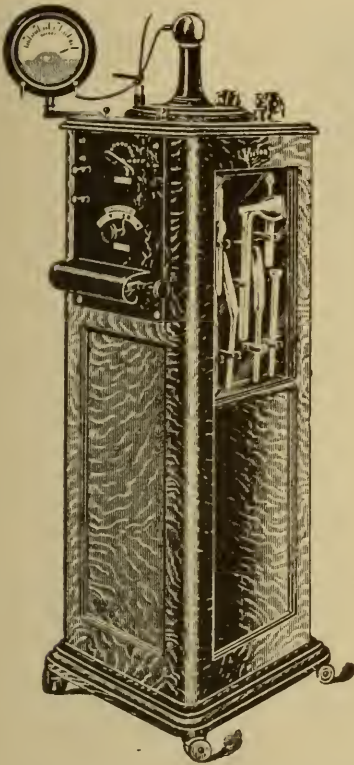
Victor No. 8 High Frequency apparatus. Constructed on the d'Arsonval plan of transformation, giving potential low voltage, and high amperage current.

The range covered by this apparatus is as follows: Auto-Condensation, Diathermy, Fulguration (for orificial and superficial fulguration); Spray (or Effleuve), Static Spark and Ozone Inhalation.

This apparatus is equipped with a Victor Rotary Spark Gap, which can be run for an indefinite length of time without the necessity of having the operator make any subsequent adjustments.

This apparatus is arranged for operation on alternating current and where the direct current, only, is available, we are prepared to supply a Rotary Converter.

Price, arranged for the 110-volt, alternating current less meter.....\$200.00  
Price, arranged for 110-volt, direct current, complete with rotary converter and rheostat..... 310.00



## ELECTRICAL HIGH FREQUENCY APPARATUS

## F-1050. FISCHER TYPE "F" HIGH FREQUENCY AND VIOLET RAY GENERATOR



Type "F"

A light weight, portable outfit, delivering HIGH Frequency currents for Fulguration and internal applications, and a heavier LOWER Frequency discharge for Surface Massage.

Also arranged with Cautery and Diagnostic Lamp attachments.

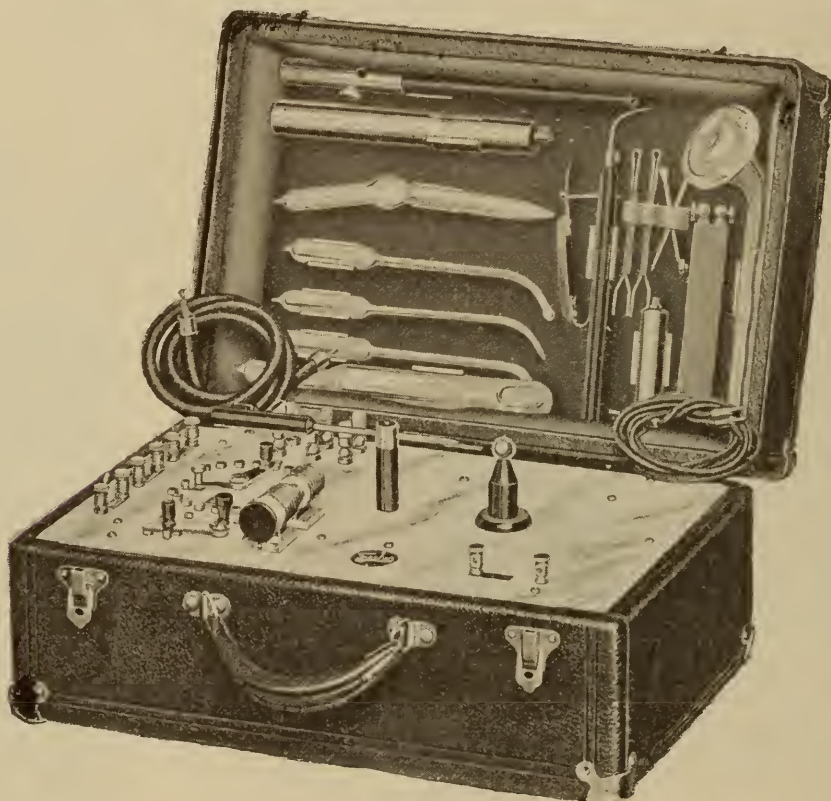
A Compact, Durable Outfit, fully guaranteed.

Type "F" is mounted in a black leather covered box with White Italian Marble top, with six feet green silk connecting cord and plug, ready to attach to any electric light socket of 110 volts 60 cycles A. C. or 110 volts D. C. Furnished for other currents at no extra cost.

Type "F" Regular, including High Frequency Handle, Heavy Protected Cord, and one each Surface, Rectal, Vaginal, Nasal, Throat and Urethral Electrodes....\$30.00

Type "F" Cautery, including all of the above, with addition of Cautery and Diagnostic Circuits, Cautery Handle, Pair Cautery Cords, Two Knives, and one Diagnostic Illuminator with Cords, Holder and Tungsten Lamp.....\$38.00

## F-1052. FISCHER PORTABLE "K" COMBINATION



Type "K"

This Generator is similar in general appearance to type "F," but is built on the closed core transformer principle: therefore has considerable more output. Type "K" is a Practical, Durable Outfit, with excellent control of all features, and very powerful.

Delivers High Frequency, Fulguration, Ozone (with our No. 22 attachment), D'Arsonval, Cautery, Diagnostic and Sinusoidal Currents.

Furnished as illustrated, with the addition of an Auto-Condensation Chair Pad, arranged for 110 volts 60 cycle alternating current.....\$75.00



## ELECTRICAL

**F-1054. FISCHER PORTABLE TYPE "E" COMBINATION**

**A Practical and Compact Electro-Therapeutic Outfit for the General Practitioner**

There are a great many circumstances under which the ordinary practitioner does not need a large and heavy cabinet for his electro-therapeutic work, and there are other occasions when a portable outfit is urgently required.

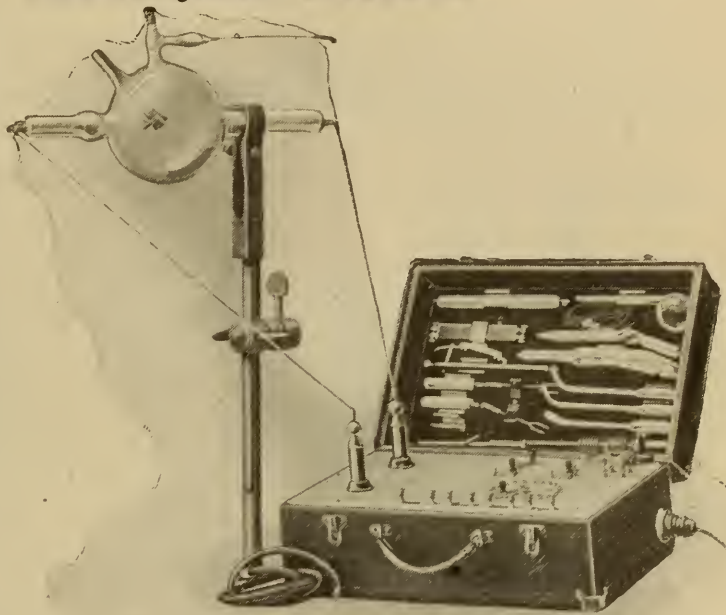
Here is a practical, simple, yet powerful outfit, especially designed to meet the needs and requirements of the physician who appreciates the value of the various modalities and recognizes that it is essential to have them available, but who does not wish to install one of the heavier cabinets; or wants a portable to supplement his office equipment.

Type "E" will be found to meet all requirements for such practice, and we can unconditionally recommend it to the profession as a high class, dependable and economical piece of electrical equipment.

Portable "E" delivers X-Ray of medium power, suitable for all fracture work, High Frequency, Fulguration, D'Arsonval, Cautery, Diagnostic and Sinusoidal currents. Furnished as illustrated, with the addition of a 6-inch Heavy Anode X-Ray Tube, 5x7 Mounted Fluoroscope, Universal Portable Tube Support, for 110 volt, 60 cycle alternating current.....\$160.00



**Cabinet "H"**

**HIGH FREQUENCY APPARATUS**

**Portable "E"**

**F-1056. FISCHER TYPE "H" X-RAY AND HIGH FREQUENCY CABINET**

Here is an excellent apparatus for all around X-Ray work, which is exceedingly simple to operate. Has no Rectifiers; no Interrupters; no Valve Tubes; no Inverse Currents. Just a clean, penetrating, positive X-Ray.

Type "H" will produce high class radiographs of any part of the bony structure; from exposures of one second for a hand, to twenty to twenty-five seconds for hip and spine.

The most striking feature of all Fischer "H" types is the entire absence of complicated mechanism. There is not a moving part in its entire construction; hence nothing to wear out. This simplicity of design, as illustrated, relieves the operator of the burden of thought required in the operation of machines employing a number of buttons and switches.

Another excellent feature on all "H" Generators is the splendid High Frequency current available. These currents are coming into more frequent use by Physicians and Dentists alike, and we pride ourselves on the extreme HIGH frequency, so necessary where real results are to be obtained, which the "H" outfits deliver.

They are sold on a positive guarantee against all inherent defects covering a period of two years. Every detail of construction is carefully supervised, and an outfit capable of giving enduring satisfaction is the result.

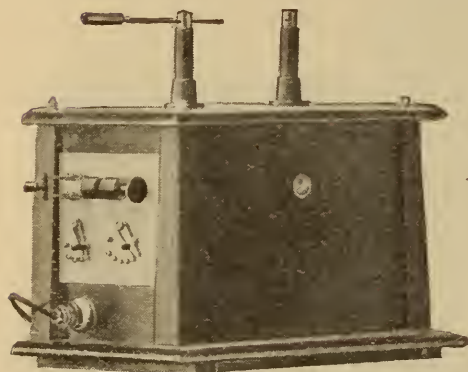
Cabinet is provided with a Lead-lined Compartment large enough to accommodate a supply of all sizes of X-Ray Plates and Films.

Type "H," with Connecting Cord, High Frequency Handle, H. F. Cord, and one each Surface, Rectal, Vaginal, Nasal, Throat and Urethral Electrodes, with instruction booklet.....\$185.00

- Type "H-2," same as above with addition of 6-inch heavy Anode X-Ray Tube, Wooden Floor Tube Support, 5x7 Mounted Fluoroscope, Cautery Handle, Pair Cautery Cords, 3 assorted Cautery Knives, Diagnostic Illuminator with cords, holder and Tungsten Lamp, pair Sinusoidal Cords and Handles, and special Fulguration Electrode with 3 tips..... 235.00
- Type "H-3," same as "H-2," but less the Cautery, Diagnostic and Sinusoidal Circuits and Accessories, with the addition of our Protection and Compression Tube Stand in place of the wood type, Pair Rewind Cord Reels, and Dark Room Equipment, consisting of, 1 Electric Ruby Lamp, 2 8x10 Steel Enamelled Trays, 3 packages Developing Powders, 1 package Hypo Fixer, and 1 dozen 8x10 Paragon X-Ray Plates..... 275.00
- Type "H-4," same as "H-2" with addition of all extra accessories as listed with "H-3," including Cautery, Diagnostic and Sinusoidal..... 292.50

## ELECTRICAL

## High Frequency Apparatus



Low Type "H"

**F-1058. "FISCHER" LOW FORM, TYPE "H"**

This machine has practically the same Electrical features as the Cabinet types, but is mounted in a shorter container which can be set on a table or stand, or on brackets on the wall where floor space is at a premium.

Low "H" semi-portable, with connecting cord and plugs, 6-inch heavy anode X-Ray tube, pair of Fischer Cord Reels, set of 6 High Frequency Electrodes, cord and handle, and wooden floor tube stand with metal base.....\$185.00

Type "H-1," same as above, with addition of Protection and Compression Stand, 5x7 Fluoroscope, Ruby Lamp, 2 8x10 trays, 3 pkgs. Paragon Developer, 1 pkg. Hypo, and 1 doz. 8x10 Plates and Envelopes .....\$255.00

**FISCHER SUIT CASE PORTABLE, TYPE "M"**

While this outfit is somewhat heavier than the majority of so-called X-Ray Portable on the market its performance when results are desired is little short of marvelous. To see it in action is really the only satisfactory way of being convinced that it will do any class of Bone Radiography, and do it right.

Equipped with Cautery and Diagnostic Circuits and Accessories, including Cautery Handle, Cords and two Knives, Diagnostic Illuminator with Cords, Holder and Tungsten Lamp, also portable tube support, 6-inch Heavy Anode X-Ray Tube and set High Frequency Electrodes, cord and handle.....\$200.00

Fischer Portable Outfit "M-2," same as above, with all additional accessories with "H-1" ..... 270.00



Type H-5

**F-1060. TYPE "H-5" DENTAL COMBINATION**

This outfit was designed to fill a long felt want among the Dental profession, for a neat appearing, compact, yet simple and efficient X-Ray Machine, with High Frequency Attachment.

Of the same power as the other "H" models, it is furnished with a complete equipment, such as a Dentist is called on to use.

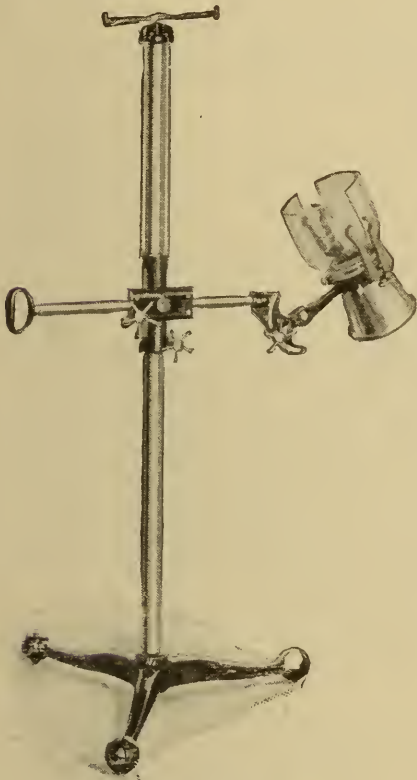
Furnished in a Solid Mahogany, Golden Oak, Pearl Grey or White Enamel Cabinet, with Tube Stand to match, it is an exceedingly handsome piece of office equipment. Complete in all details.....\$375.00



## ELECTRICAL

### X-Ray Tube Stands

#### F-1062. THE "FISCHER" PROTECTION AND COMPRESSION TUBE STAND



Fischer Tube Stand

The Stand illustrated represents the result of our aim to provide an article for all around X-Ray work. In protection it is as perfect as stands selling at greatly higher prices; has graceful lines; is perfectly balanced; has swivel head; over 90 degree swing on cross arm; large clamps, conveniently arranged; cross arm mounted on roller bearings; has 30-inch wire spreader; finished in Nickel and Black Enamel.

Price .....\$55.00

Mahogany, Pearl Grey or White Enamel

extra ..... 5.00

(This is the stand furnished with all "Fischer" equipment.)

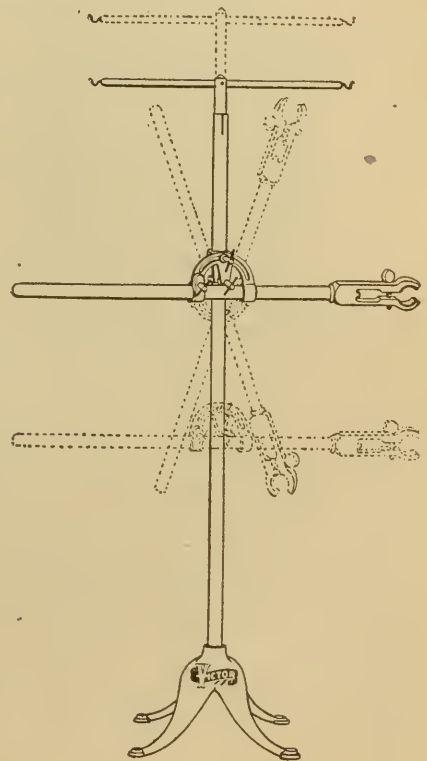
#### F-1064. "VICTOR" NO. 1 TUBE STAND

In this tube stand we have endeavored to embody the things most desirable in this very important part of the X-Ray operator's equipment.

Few tube stands now on the market are calculated to sustain the combined weight of a tube and an X-Ray protection shield; the Victor No. 1 will safely sustain and counterbalance the weight of the largest tube and tube shield made.

An adjustable spreader and conducting cord carrier is slidingly attached to the top of the stand; this spreader can be raised to a height, if desired, where the conducting wires leading to the tube will be held more than seven feet from the floor, thus obviating any chance of sparks passing from the wires to the patient; the operator is also protected in a great measure from accidental contact with the conducting cords or wires.

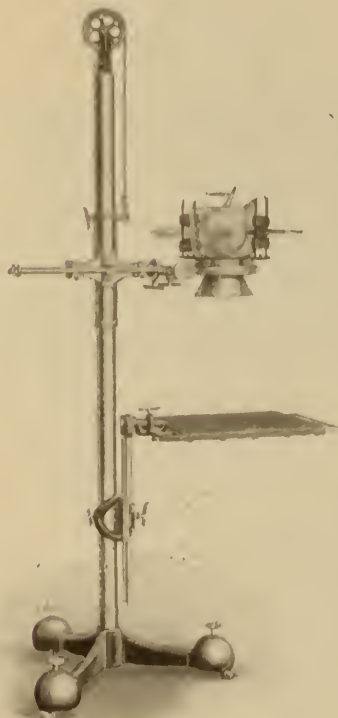
The mechanical device giving universal adjustment to the tube position permits of the very closest adjustment of height, distance from standard, and angle, works with perfect smoothness, and will appeal especially because of its easy and convenient manipulation.



Price, complete as shown.....\$14.50

## ELECTRICAL

## X-Ray Apparatus Manufactured by McIntosh Battery &amp; Optical Co.

**F-1066. MCINTOSH NO. 2 STEREOSCOPIC  
TUBE STAND****McIntosh No. 2 Stereoscopic  
Tube Stand**

The most complete and convenient stand ever designed for Roentgenology, embracing every conceivable adjustment, and the biggest value ever offered. Other manufacturers sell a Tube Stand of similar quality and adaptability for at least \$25.00 higher than this one. The tube carriage is fitted with a most practical automatic stereoscopic attachment with adjustment for the angle of tilt. The tube may be tilted at a convenient angle for treatment work. The auxiliary plate table is a great convenience for simple extremity work. The cassette or envelope can be inserted in the tunnel underneath plate table so that there is no danger of cracking a plate in making a very awkward picture such as knee or foot. The base of plate table is of oak, offering practically no resistance to the ray. Another advantage is that the plate table is not attached to the axis of tube as with other stands, hence it may be adjusted independently of tube if desired. The auxiliary table is very convenient for vertical gastro-intestinal work. The plate table is detachable and can be fitted to any tube stand having a standard not exceeding 2½ inches in diameter. It is interchangeable with either the No. 1 or No. 2 Stands. The tube carriage is accurately counterbalanced and responds instantly to the slightest adjustment. The total height of the stands is 79 inches, width 55 inches and the floor space occupied is 20x30 inches. The total weight is 225 pounds and the shipping weight is 350 pounds.

Price, No. 2 Stereoscopic Tube Stand, including one lead cone 8 inches in diameter and auxiliary plate table.....\$175.00

Price, additional lead cones with opening ½, 2, 4 and 6 inches, each..... 7.50

Price, auxiliary plate table furnished separately, for use with any other make of tube stand..... 25.00

**F-1068. MCINTOSH NO. 1 STEREOSCOPIC TUBE STAND**

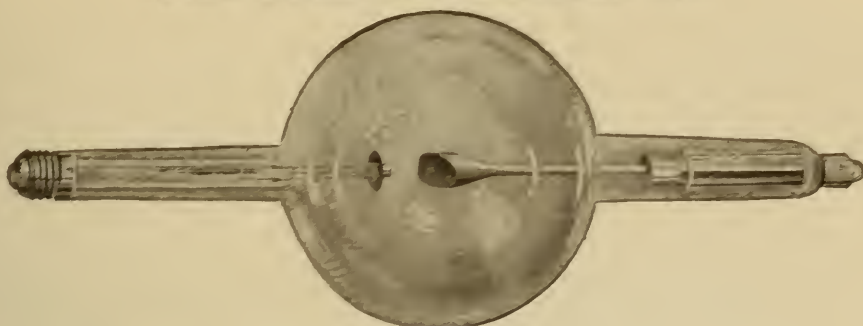
A simple but substantial and attractively finished counterweighted tube stand with lead-glass bowl, fitted with stereoscopic adjustment. This stand is strongly built of the highest grade of materials and all adjustments are firmly and yet easily made. The bowl is of heavy lead glass, assuring safety from all indirect rays. The standard of the No. 1 Stand is 2½ inches in diameter, hence the auxiliary plate table as used with the No. 2 Stand can be attached if so desired. All accessories and extra fittings for these stands are designed interchangeably so that they may be used with either stand. The tube may be adjusted at any desired angle for radiographic, fluoroscopic or treatment work, having a movement of 48½ inches vertically and 17 inches horizontally, with lateral adjustment, adaptable to any requirements. The stand is 79 inches high and 34½ inches at greatest width. The tripod is heavily weighted and occupies a floor space 30x30x30 inches. The bowl will hold any tube up to and including 8 inches in diameter. The total weight is 175 lbs. and the shipping weight 270 lbs.

Price, No. 1 Stereoscopic Tube Stand, including one lead cone 8 in. in diameter...\$60.00



# ELECTRICAL

## X-RAY TUBES, TRANSFORMERS, ETC.



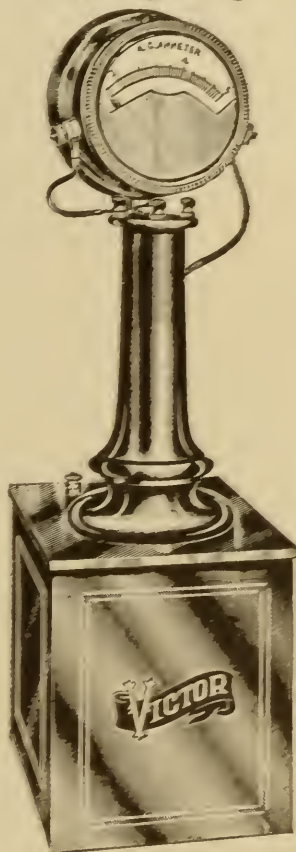
F-920

Patents pending



F-924

Patents pending



F-922



F-926-928

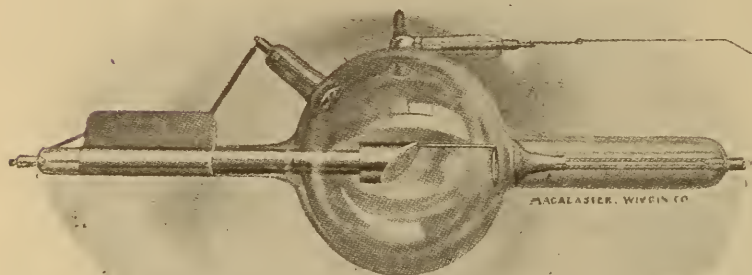
### COOLIDGE TUBES, TRANSFORMERS, REGULATORS, ETC.

F -980	Coolidge Tube, only.....	*\$125.00
F -982	Victor-Coolidge Transformer (less ammeter).....	35.00
F -984	Victor-Coolidge Regulator.....	25.00
F -986	Victor-Coolidge Ammeter (Small—diameter 5 in.).....	20.00
F -988	Victor-Coolidge Ammeter (large—diameter 9 in.).....	35.00
*F -990	Victor No. 6 Coolidge Stand.....	11.50
*F -992	Victor No. 7 Coolidge Stand.....	20.00
*F -994	Victor Insulated Shelf for Victor-Coolidge Transformer.....	3.50
*F -996	Victor Rotary Converter (necessary when 110 volt direct current only is available).....	37.00
*F -998	Victor-Coolidge Cathode Terminal.....	1.25
*F-1000	Victor Storage Battery.....	25.50
*F-1002	Rheostat for same.....	25.00
*F-1004	Insulated Stand for same.....	15.00
*F-1006	Hydrometer (for testing strength of battery).....	2.00
*F-1008	Charging Board for Storage Battery.....	8.00

\*No cash discount on this item. and cash must accompany order.

## ELECTRICAL X-Ray Apparatus

### Macalaster-Wiggin X-Ray Tubes



No. 265

#### TUNGSTEN TARGET TUBES

A splendid tube for transformers and coils.

A massive tungsten target is used in this tube.

Increased penetration is secured without any loss of detail.

No. 264.	6 in.....	\$33.50
No. 265.	7 in.....	38.50
No. 266.	8 in.....	43.50

#### WATER COOLED TUNGSTEN TARGET TUBES

For use in horizontal position

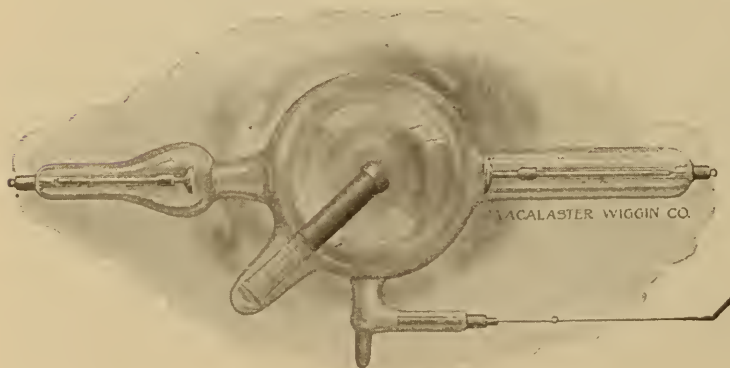
This type of tube will work very satisfactorily in all horizontal apparatus, and may be used in a vertical position, provided the water chamber is at the top. A beautiful tube for fluoroscopic and treatment work. Useful with transformers.

No. 275.	7 in.....	\$50.00
No. 276.	8 in.....	55.00



No. 275

#### HIGH FREQUENCY TUBES FOR LARGE COILS



No. 20

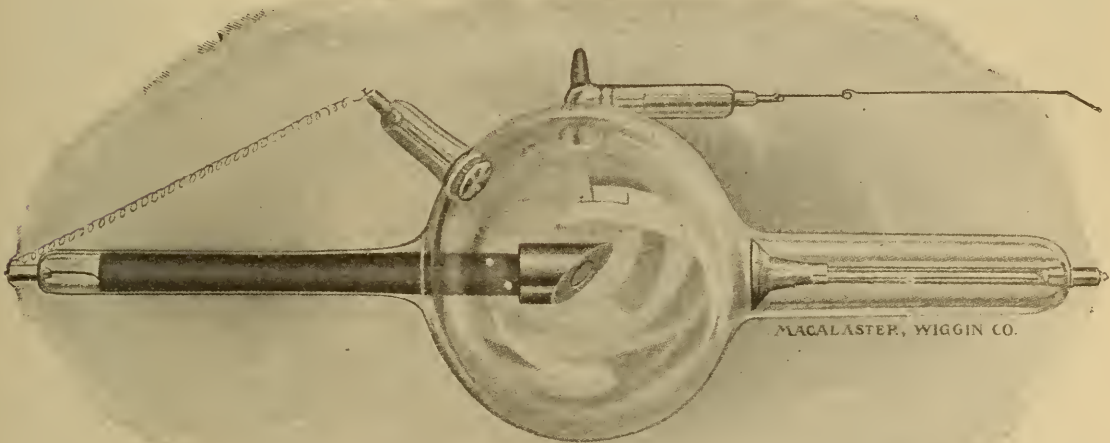
This tube has heavy target, will stand much hard running, and may be used on large apparatus, heats slowly, fine for picture work; penetration and definition the best.

No. 20.	5 1/4 in.....	\$21.50
No. 21.	6 in.....	23.50



## X-RAY APPARATUS

### MACALASTER WIGGIN X-RAY TUBES. PLATINUM TARGET TUBES FOR MEDIUM SIZED COILS

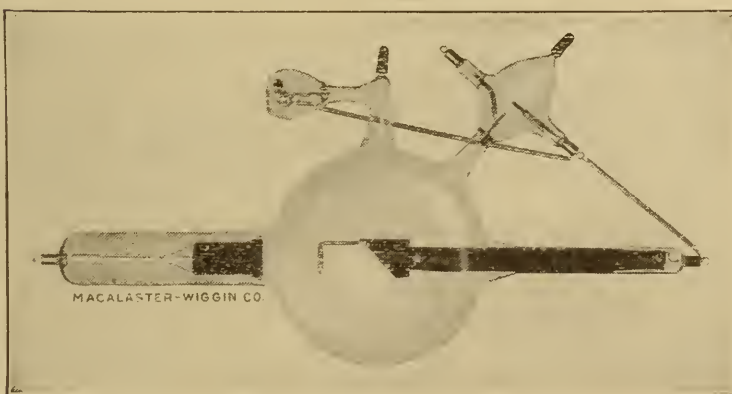


It is unquestionably the best Platinum Target Tube made. Great contrast and detail are procurable.

No. 31. 6 in.....\$23.50	No. 34. 7 in.....\$28.50	No. 37. 8 in.....\$33.50
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### THE "SNOOK" IMPROVED HYDROGEN TUBE

Tungsten Target



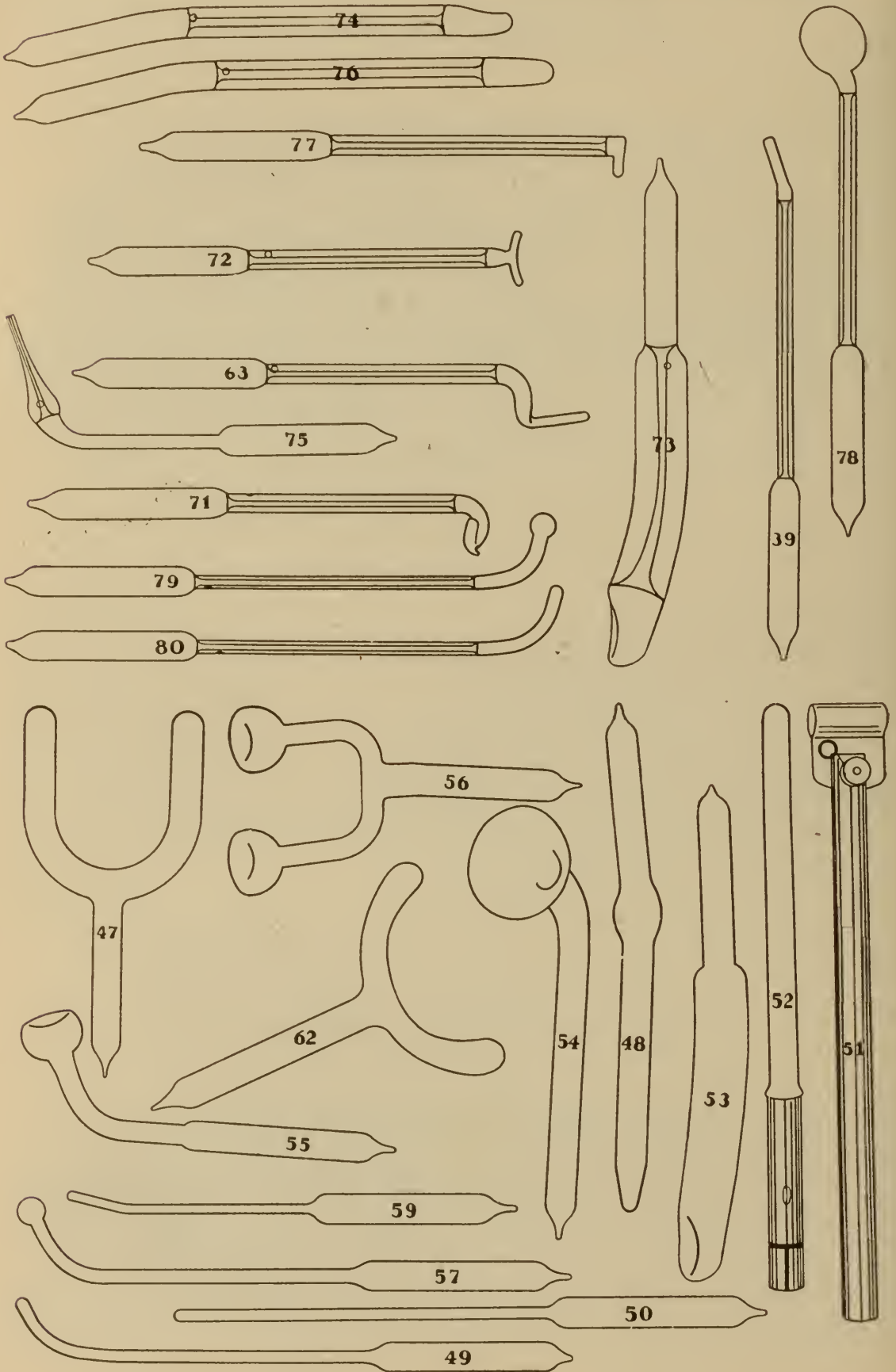
A tube which never goes cranky and whose vacuum may be raised or lowered at will.

Price .....\$75.00

Send for Special Circular.

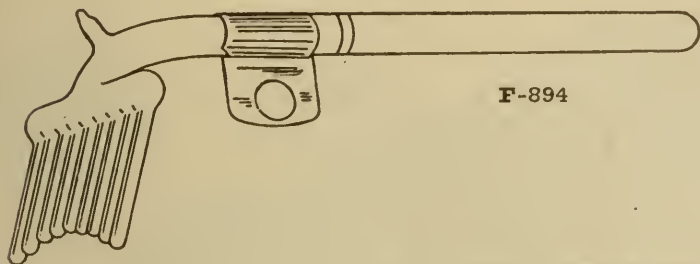
ELECTRICAL

MACALESTER-WIGGIN INSULATED VACUUM ELECTRODES

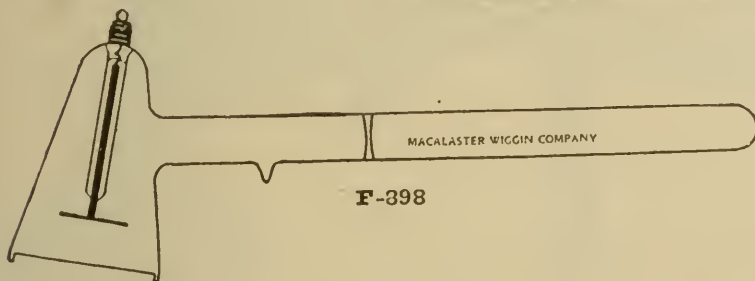




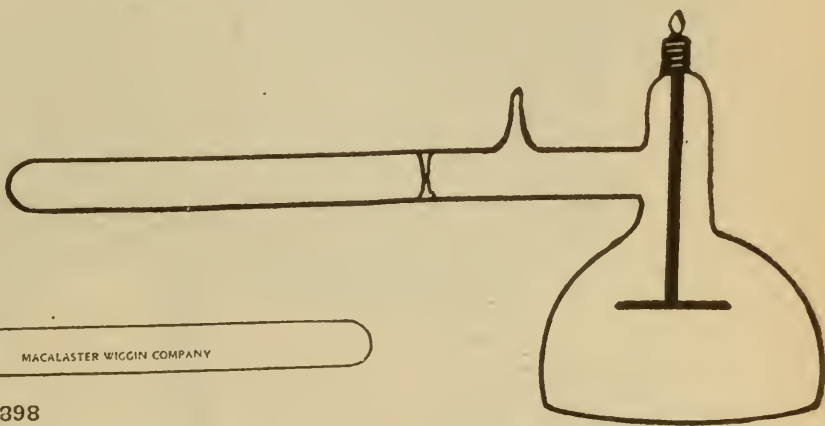
## MACALASTER-WIGGIN INSULATED VACUUM ELECTRODES



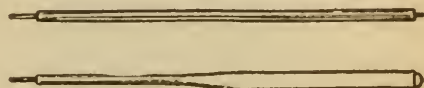
F-894



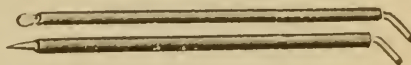
F-398



F-892



F-846

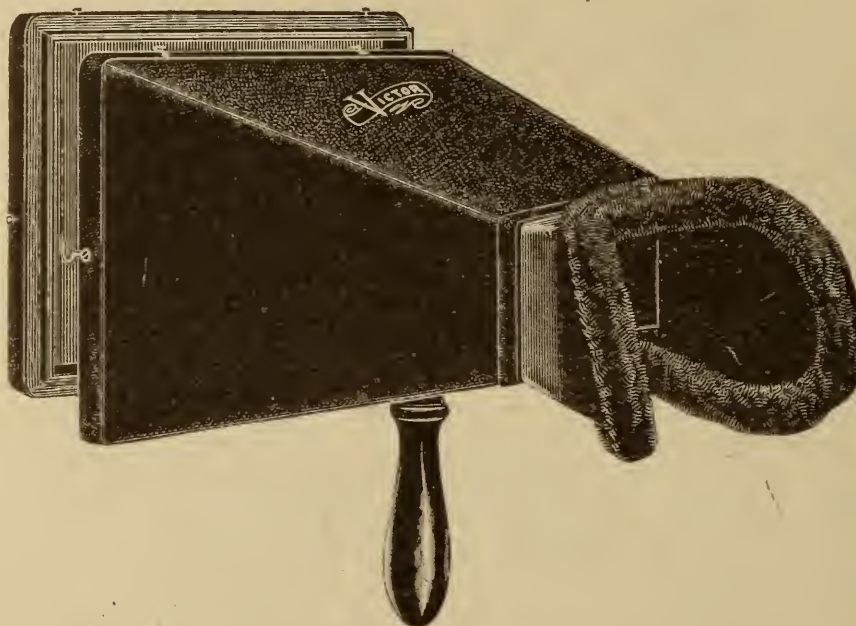


F-847

### MACALASTER-WIGGIN HIGH FREQUENCY ELECTRODES

F-851	Dental, No. 63, gum.....	\$1.50
F-852	Dental, No. 71, gum.....	1.50
F-853	Dental, No. 72, gum.....	1.50
F-854	Ear, No. 75 .....	1.50
F-856	Eye, single, No. 55.....	.75
F-858	Eye, double, No. 56.....	1.00
F-871	General, No. 54, external.....	.75
F-873	Hammer, No. 58, with attached handle.....	1.50
F-868	Nasal, No. 39.....	1.50
F-872	Nasal, No. 59.....	.75
F-876	Post Nasal, No. 77.....	1.50
F-878	Prostatic, No. 74.....	1.50
F-882	Rectal, No. 76.....	1.50
F-892	Surface, No. 84, condenser .....	3.00
F-894	Surface, No. 85, comb. ....	3.50
F-898	Surface, No. 82, cataphoresis .....	4.00
F-904	Throat, No. 79.....	1.50
F-901	Throat, No. 57.....	.75
F-903	Throat, No. 62, external.....	1.00
F-908	Tongue, No. 78.....	1.50
F-912	Urethral, No. 49, curved .....	.75
F-914	Urethral, No. 50, straight .....	.75
F-917	Urethral, No. 80 .....	1.50
F-922	Vaginal, No. 53, cupped end.....	.75
F-924	Vaginal, No. 73 .....	1.50
F-921	Fibre Handle, No. 51.....	.75
F-923	Glass Handle, No. 52.....	.75
F-846	Fulguration Electrode, with 2 short points.....	2.50
F-847	Fulguration Electrode Points, insulated, per pair.....	.60
*F-849	Metal Ball Electrode, for localizing high frequency spray.....	.75
*F-861	Metal Point Electrode, for administration of convective discharge.....	.75
*F-863	Ozone Generator, Macalaster-Wiggin make.....	10.00
*F-848	Spray Electrode, VICTOR.....	2.25
*F-864B	Fulguration Wire, Victor, per foot.....	.20

## X-RAY ACCESSORIES



F-926

### HAND FLUOROSCOPES

F-926	Fluoroscope, Victor, lead protected, 5x7 inches.....	\$22.50
*F-932	Fluoroscope, plain, with 5x7 inch platinum barium cyanide screen.....	19.50

### VICTOR FLUOROSCOPIC SCREENS

F-945	Size 10x12 (highest quality), mounted in polished oak frame and covered with lead glass, and equipped with protected metallic hand grasps..	\$57.50
F-946	Size 10x12 screen only (less holder, etc.).....	48.00
F-947	Size 10x12 holder only (including lead glass and hand grasps).....	10.25
F-948	Size 11x14 screen and holder, complete.....	72.50
F-949	Size 11x14 screen only (less holder, etc.).....	62.00
F-950	Size 11x14 holder only (including lead glass and hand grasps).....	11.00
F-951	Size 12x16 screen and holder, complete.....	88.50
F-952	Size 12x16 screen only (less holder, etc.).....	77.00
F-953	Size 12x16 holder only (including lead glass and hand grasps).....	12.25

### VICTOR INTENSIFYING SCREENS

One or more intensifying screens should be included in every X-ray equipment, whether it be a portable coil outfit or the most powerful interrupterless equipment made.

The use of an intensifying screen in making a radiograph permits of cutting down the exposure to one-tenth of the time ordinarily required; this means a big saving in tube expense, as well as recording the image on the plate without movement.

F-955	8x10 (less holder).....	\$16.00
F-956	10x12 (less holder).....	24.00
F-957	11x14 (less holder).....	31.00
F-958	14x17 (less holder).....	45.00

### VICTOR SCREEN HOLDERS

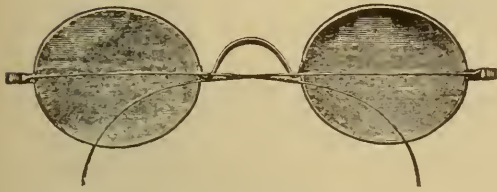
F-960	Aluminum Holder only, for Screens 8x10 in.....	\$11.00
F-961	Aluminum Holder only, for Screens 10x12 in.....	13.00
F-962	Aluminum Holder only, for Screens 11x14 in.....	16.00
F-963	Aluminum Holder only, for Screens 14x17 in.....	17.50

Owing to the present high prices of platinum our prices are subject to change without notice.

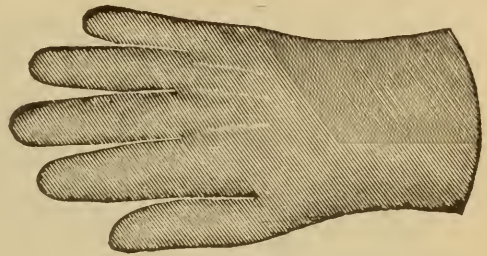




## X-RAY ACCESSORIES



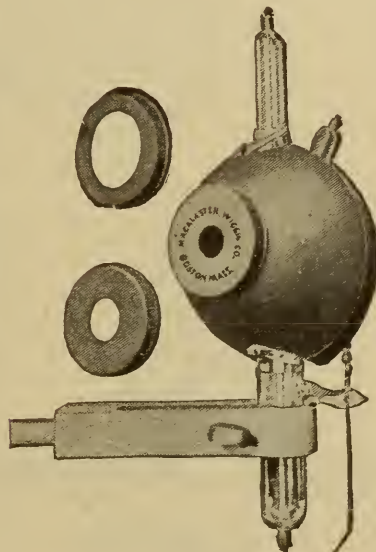
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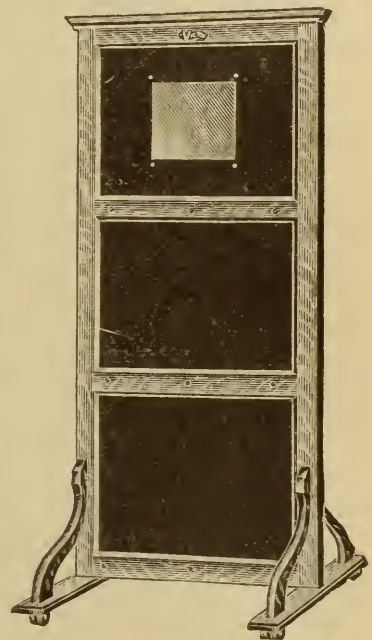
F-966



F-965



F-969-970



F-937

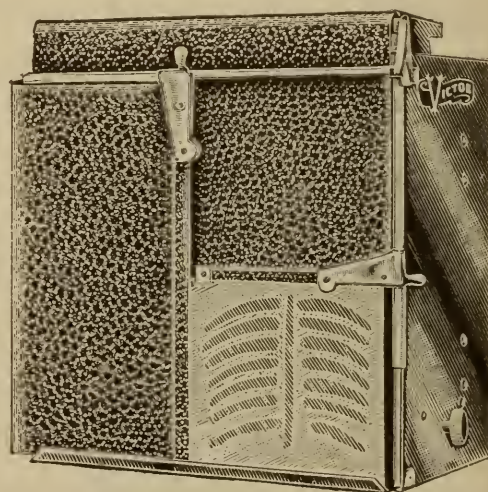
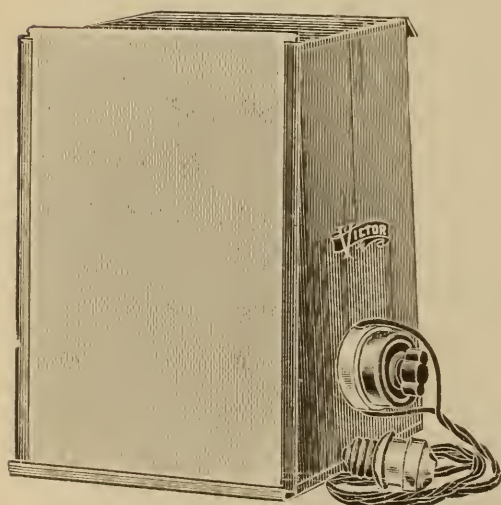
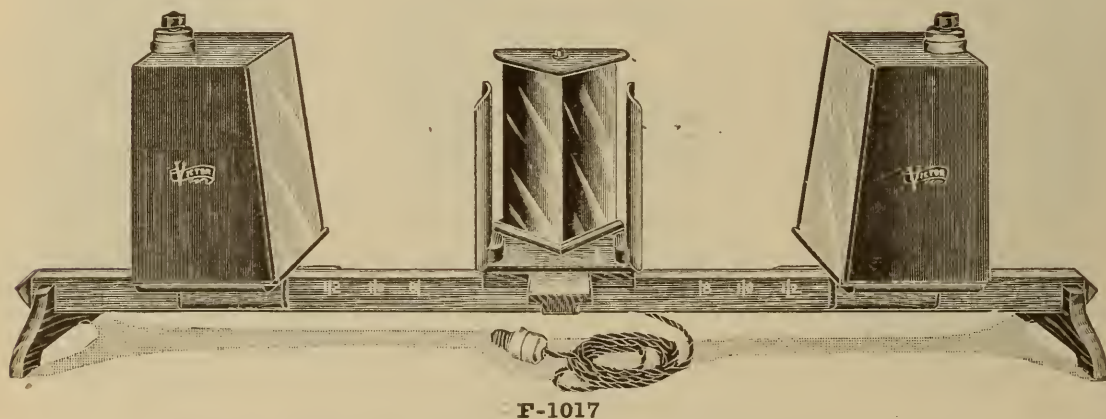
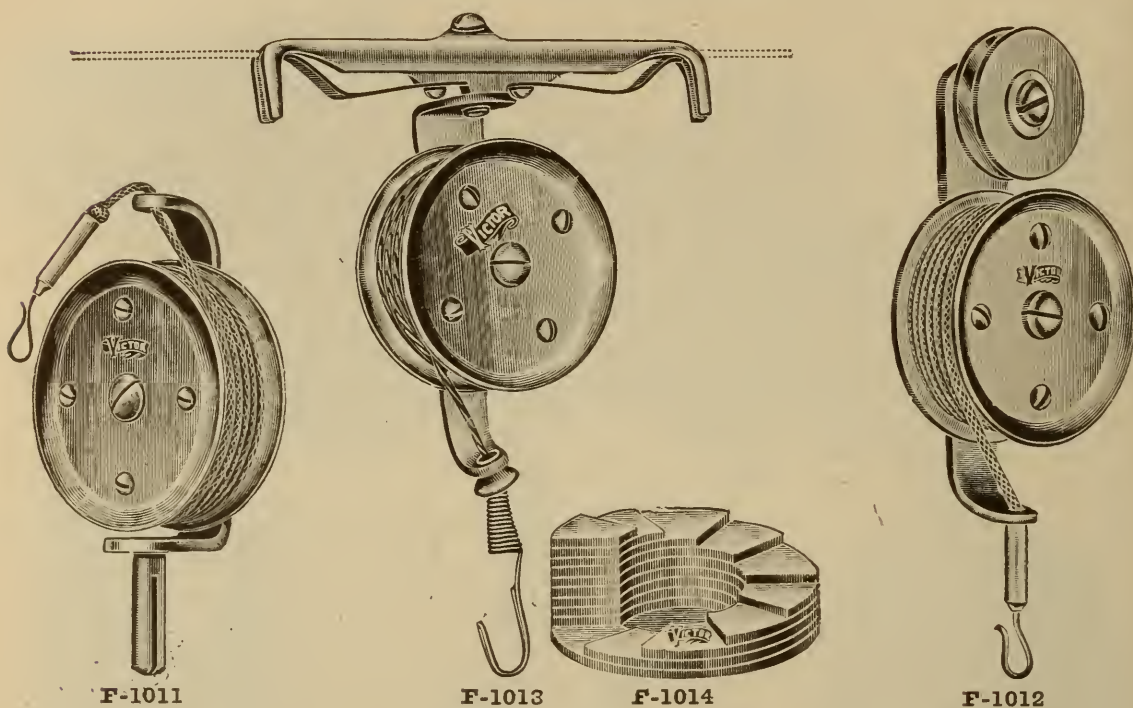
## MACALASTER-WIGGIN X-RAY PROTECTIVE MATERIAL

F-965	X-Ray Protective Apron No. 103.....	\$11.00
F-966	X-Ray Protective Gloves No. 102.....	7.00
*F-967	X-Ray Protective Gloves No. 152 (gauntlet).....	11.00
F-968	X-Ray Protective Spectacles, No. 97.....	2.75
F-969	X-Ray Flexible Tube Shield, No. 98, to cover 6-inch tube.....	9.00
F-970	X-Ray Flexible Tube Shield, No. 90, to cover 7-inch tube.....	11.50
*F-971	Lead Glass, for X-ray protection, No. 181, 5 x 7 inches.....	1.75
*F-973	Lead Glass, for X-ray protection, No. 183, 8 x 10 inches.....	4.00
*F-974	Lead Glass, for X-ray protection, No. 184, 10 x 12 inches.....	6.00
*F-975	Lead Glass, for X-ray protection, No. 185, 11 x 14 inches.....	7.70
*F-976	Lead Glass, for X-ray protection, No. 186, 14 x 17 inches.....	11.90
*F-977	Lead Glass, for X-ray protection, No. 187, 12 x 16 inches.....	9.60
*F-978	X-ray Foil, No. 155 (about 15x15 inches equals 1 lb.), per lb.....	.40
*F-979	X-ray Foil, No. 156 (about 6x15 inches equals 1 lb.), per lb.....	.40

## VICTOR X-RAY LEAD PROTECTION SCREEN

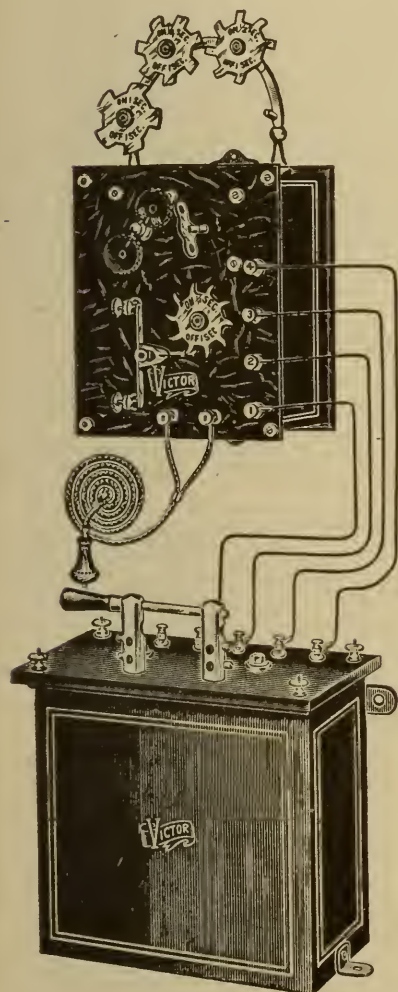
F-937	Victor Protection Screen, 6 ft. 5 in. high, 33 in. wide.....	\$39.00
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# ELECTRICAL X-Ray Accessories

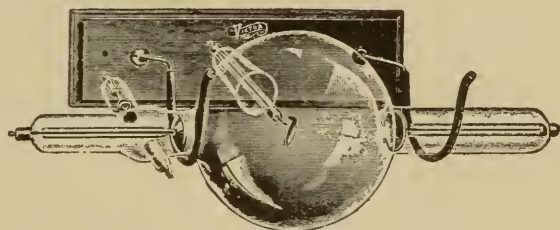




## ELECTRICAL



F-1018



F-1010

**F-1018. WANTZ AUTOMATIC X-RAY TELEFLASHER**  
**An X-Ray Timer of the Serial and Repeating Type**

It is now generally conceded that the use of an X-ray timer is just as important to the Roentgenologist as a photographic shutter is to the photographer.

The teleflasher is especially designed for instantaneous stereoscopy, straight Roentgenography, serial Roentgenography, and Roentgenoscopy (without the use of a foot switch.)

"Simply press the button—the Teleflasher automatically does the rest."

As the name implies, the Teleflasher is so designed that the Roentgenologist may do his work at any desired distance from the tube and generator.

So perfect and flexible in design is this instrument that we challenge any Roentgenologist to submit any exposure technique which cannot be automatically worked out in a practical and easy manner.

**RANGE.** The Wantz Teleflasher will efficiently handle the output of the most powerful X-ray apparatus made, from minimum to maximum. It is so designed that the tube may be flashed or energized for any fraction of a second, either a single flash or a series of flashes with automatically timed intervals between flashes or exposure periods.

## X-RAY ACCESSORIES

F-1010	Victor X-Ray Tube Hanger, birch mahogany panel with rubber covered hardened brass hooks, highest quality .....	\$ 1.25
F-1011	Victor Automatic Spring Cord Reels, price per pair.....	5.25
F-1012	Victor "Trolley" Automatic Cord Reels, for high tension currents, only, each .....	3.00
F-1013	Victor-Coolidge "Trolley" Automatic Cord Reels, each.....	4.00
F-1014	Victor-Benoist Penetrometer .....	2.00
F-1015	Victor X-Ray Shadow Box, arranged for 110 or 220 Volt, direct or alternating current .....	30.00
Of all metal construction, with the exception of the adjustable opaque curtains. Will handle any size X-Ray plate from the smallest to the largest. The intensity of the light is variable and perfectly diffused. Finished in light gray enamel.		
F-1016	Victor "Midget" Shadow Box, for examination of 8x10 plates.....	7.00
F-1017	Victor "Midget" Stereoscope, arranged for 110 or 220 Volts.....	30.00
F-1018	Wantz Automatic X-ray Teleflasher, complete with 4 duplex timing wheels, and arranged for either 110 or 220 Volt direct or alternating current .....	85.00
	Attachments to be used for fluoroscopy, extra.....	6.00
	Complete descriptive catalogue of X-Ray Accessories mailed on request.	

**F-1022. PARAGON X-RAY PLATES**

So well known to most of our trade as to need little introduction; they have held **FIRST RANK** among X-ray plates ever since they were placed on the market.

We recommend them to all X-Ray users for their **HIGH QUALITY**, giving rich, intense backgrounds, with fine sharp bone detail, and showing the slightest variation in tissue density. This enables the radiographer to make plates from which a positive diagnosis can be given.

Extremely rapid, allowing abdominal radiographs to be made without using an intensifying screen, if desired. Can also be used **with screen**, the combination of an extremely fast plate, with the screen effect, giving the fastest radiographic speed ever known.

This is the only X-Ray plate adapted for use with Coolidge or Hydrogen tubes at the short spark gaps where these tubes are most efficient and valuable.

They are extremely sensitive to soft or medium rays, therefore are especially adapted for gall-bladder, kidney, or lung tissue detail, or for brain lesions. This quality is also of great value in cases of suspected bone fractures.

Carried in stock in the regular sizes shown below. Special sizes to order with slight delay.

The manufacturers publish monthly technical bulletins for gratis distribution, and will furnish expert assistance or advice on request.

Results considered, Paragon X-Ray Plates are the most economical we can furnish you at **any price**. **They save you time and money** and prevent mistakes from incorrect interpretation.

Two sets of X-Ray envelopes sent free with each dozen plates.

Extra sets at prices shown on page 559.

**Price List of Paragon X-Ray Plates**

Size	With 2 env.	With 12 env.	Doz. per case	Wt. per case
5 x 7	\$ 1.40	\$ 1.65	20	55 lbs.
5 x 8	1.55	1.88	20	55 lbs.
6½ x 8½	2.10	2.50	12	57 lbs.
8 x10	3.00	3.50	10	65 lbs.
10 x12	5.15	5.90	4	60 lbs.
11 x14	7.25	8.25	4	72 lbs.
14 x17	11.25	13.00	3	81 lbs.

**F-1024. PARAGON UNIVERSAL X-RAY PLATES**

This plate is sold at a lower price and is intended for those who do much serial abdominal radiography using screens, where expense would be heavy, also for institutions doing much charity work, state compensation cases, or wherever economy in first cost is important.

They are of **HIGH GRADE**, and are **suitable for use in envelopes** or with a screen, as preferred. **Screens are not required except to save tubes**. They can be used with absolute confidence in the results obtained.

Suitable for all classes of work where a medium price plate is satisfactory.

Number of dozen and weight per case is the same as the regular plate.

**Price List of Paragon Universal X-Ray Plates**

Size	Per Doz.	Doz. per case	Wt. per case
5 x 7	\$1.10	20	57 lbs.
6½ x 8½	1.65	12	55 lbs.
8 x10	2.40	10	65 lbs.
10 x12	4.20	4	60 lbs.
11 x14	6.00	4	72 lbs.
14 x17	9.00	3	81 lbs.



**F-1026. PARAGON X-RAY PAPER**

This is adapted for charity work on simple cases, for checking the position of fractures after setting, location of foreign bodies such as bullets, etc. Can also be used for taking radiographs of the stomach or colon for diagnosis or for filing.

Valuable in cases requiring immediate operation, as it can be placed in operating room as a guide while still wet, whereas the heat of the lamps of the illuminating box would melt the gelatin on a wet plate or film.

When used with a good screen this paper is twice as fast as a plate used without screen. Can also be used for making reductions in a camera.

**Price List of Paragon X-Ray Paper**

X-Ray Paper, 5x7, per dozen.....	\$0.35
X-Ray Paper, 6½x8½, per dozen.....	.60
X-Ray Paper, 8x10, per dozen.....	.75
X-Ray Paper, 10x12, per dozen.....	1.25
X-Ray Paper, 11x14, per dozen.....	1.60
X-Ray Paper, 14x17, per dozen.....	2.40

**F-1028. PARAGON X-RAY ENVELOPES**

These come in sets consisting of a black and an orange colored heavy paper envelope, with a printed form for the case record. They can be used many times. Two sets of envelopes are furnished free with each dozen plates.

**Price List of Extra Sets**

X-Ray Envelopes, 5x7, per dozen....	\$0.30	X-Ray Envelopes, 10x12, per dozen..	\$0.95
X-Ray Envelopes, 5x8, per dozen....	.40	X-Ray Envelopes, 11x14, per dozen..	1.25
X-Ray Envelopes, 6½x8½, per dozen	.45	X-Ray Envelopes, 14x17, per dozen..	2.25
X-Ray Envelopes, 8x10, per dozen....	.60		

NOTE: Special printing free on large orders.

**F-1030. PARAGON FILING ENVELOPES**

Made of strong manila paper, with a printed form for patient's name, case records, exposure data, etc. Used for filing radiographs, etc.

Made in all regular plate sizes. Special printing if desired at small extra cost, in quantities.

**Price List of Paragon Filing Envelopes**

Filing Envelopes, 5x7, per 100.....	\$0.25	Filing Envelopes, 10x12, per 100.....	\$0.80
Filing Envelopes, 5x8, per 100.....	.30	Filing Envelopes, 11x14, per 100.....	1.00
Filing Envelopes, 6½x8½, per 100...	.35	Filing Envelopes, 14x17, per 100.....	1.35
Filing Envelopes, 8x10, per 100.....	.40		

**F-1032. PARAGON DENTAL X-RAY FILMS**

Many serious diseases, such as rheumatism, arthritis, heart lesions, stomach ulcer, etc., can be traced to infection from pus cavities at the root of filled or apparently sound teeth.

Great advances in the treatment of these conditions have been made with the aid of the X-Ray. All progressive dentists Radiograph each root filling.

These films come wrapped ready for use in waterproof paper or rubber tissue. There are two films in each package, one for the dentist and one for office records.

They are made in two types, fast and slow, and in round cornered oblong and in oval shapes. They are held in the mouth by the patient during exposure.

In ordering be sure to state size wanted and whether fast or slow.

Free pamphlet on Dental Radiography on request.

**Price List of Dental Films**

Dental Films, 1¼x1½, per dozen pairs.....	\$0.50
Dental Films, 1½x2¼, per dozen pairs.....	.85
Dental Films, 2¼x3, per dozen pairs.....	1.75
Dental Films, Oval, per dozen pairs.....	1.05

**F-1034. FILM DEVELOPING HOLDERS**

For holding films while in solutions or while drying.

Aluminum Hooks, for single films, per dozen.....	\$1.25
Wire Hooks, for single films, per dozen.....	2.00
Brass Bar Type, for 10 films, each.....	1.50

**F-1035. PARAGON DENTAL FILM MOUNTS**

For holding films after drying, for filing, mailing, etc.

Black cardboard type, with celluloid insert, printed with name and office address of dentist, hospital or doctor, per 100.....	\$3.90
Black Cardboard type, to hold 2 films, per 100.....	4.50
Black Cardboard type, to hold 10 films, per 100.....	15.00
All celluloid type, no special printing, per 100.....	4.50
All celluloid type, with special printing, per 100.....	5.00

**F-1036. PARAGON X-RAY DEVELOPERS**

In tin cans, ready for use after dissolving in water. Very convenient and accurate. No scales required. Prepared from Standard Formulae and highly recommended for uniform results. Each can makes the quantity of solution as indicated below.

M. Q. No. 3	M. Q. No. 1	Edinol-Hydro. No. 2
10 oz. size.....	2 gal. size.....	20 oz. size.....
20 oz. size.....		1 gal. size.....
1/2 gal. size.....		
1 gal. size.....		

**F-1037. PARAGON ACID-HYPO FIXING BATH**

Ready for use after dissolving in water. Two sizes.

1 lb. size, makes 1/2 gal. solution, 25c; 5 lbs.....	\$1.00
Laboratory Type, with chrome alum, 1 gal. size.....	.75

**F-1038. PARAGON DEVELOPING TRAYS**

Made of heavy sheet steel, coated with White Porcelain Enamel, with lip for pouring. Trays are slightly larger inside at bottom than plate sizes shown.

Paragon Developing Tray, to hold 5 x 7 plates, each.....	\$0.50
Paragon Developing Tray, to hold 8 x 10 plates, each.....	1.00
Paragon Developing Tray, to hold 10x12 plates, each.....	1.50
Paragon Developing Tray, to hold 11x14 plates, each.....	2.00
Paragon Developing Tray, to hold 14x17 plates, each.....	3.50

**F-1039. PARAGON DEVELOPING TANKS**

For Roentgenologists or hospitals doing considerable X-Ray work.

Made of heavy stone, with chambers for solutions, ice, washing, hypo, etc. Holds all sizes of plates up to 14x17 inch.

Developing Tank, 6 compartment, size 40 1/4 inches long by 17 1/2 inches wide by 21 inches deep. Price f. o. b. factory.....	\$55.00
Developing Tank, 4 compartment, for developer, ice, hypo and washing only, size 24 1/2 inches long by 17 1/2 inches wide by 21 inches deep. Price f. o. b. factory.	37.50
F-1040 Developing Frames for use with above, 8x10 and 10x12 size, each.....	1.15
F-1040A Developing Frames for use with above, 11x14 and 14x17 size, each.....	1.60
F-1041 Film Developing Bar, for 10 dental films.....	1.50

**F-1042. PARAGON BARIUM SULPHATE**

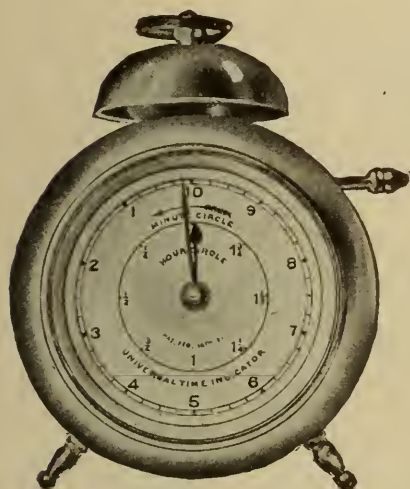
For abdominal radiography. Mixes readily with malted milk, buttermilk, acacia mucilage, etc. Ground extremely fine and contains no soluble or poisonous salts. Gives clean, dense shadows of viscera, oesophagus, etc.

Paragon Barium Sulphate in 1 lb. box.....	\$ 0.50
Paragon Barium Sulphate in 5 lb. cans.....	1.75
Paragon Barium Sulphate in 10 lb. cans.....	3.50
Paragon Barium Sulphate in 25 lb. cans.....	7.50
Paragon Barium Sulphate in 50 lb. lots.....	12.50
Paragon Barium Sulphate in 100 lb. lots.....	24.00

Prices on Paragon Barium Sulphate are **Strictly Net.**



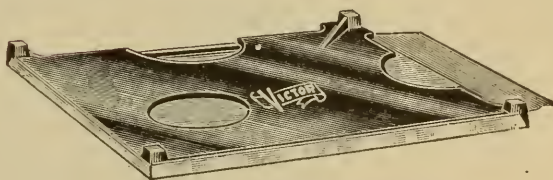
## X-RAY PHOTOGRAPHY



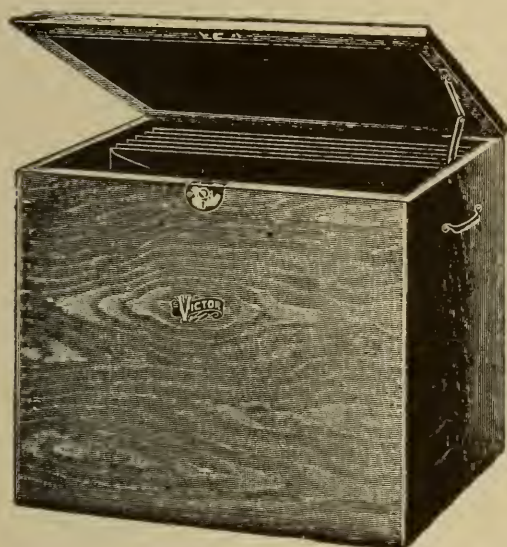
F-1046



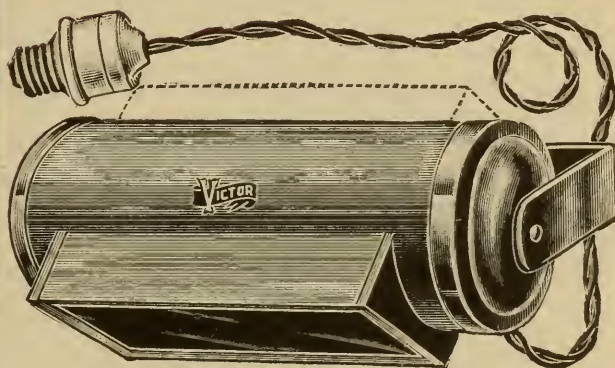
F-1044. Top View



F-1044. Bottom View



F-1045



F-1048

## DARK ROOM SUNDRIES

## F-1044

- F-1044 X-ray Plate Holder, Blaine-Bowen (Victor) for 8x10 plates, \$5.00; for 10x12 plates, \$6.00; for 11x14 plates.....\$ 7.00

A most useful X-ray accessory for bedside use, to prevent breakage and also for pus and moist cases. This Plate Holder is very practical for stereoscopic radiography either in the X-ray laboratory or at the bedside, the changing of plates being accomplished without moving or disturbing the patient. Is of all-metal construction and can be easily sterilized.

- F-1045 X-ray Plate Chest, Victor No. 1..... 16.00

For protecting X-ray plates from premature exposure to the X-ray. Will hold three dozen 14x17 plates. Substantially constructed of oak and lined with sheet lead. Dimensions over all 19 3/4 x 16 1/2 inches.

- F-1046 Internal Timer, Macalaster-Wiggin, No. 147..... 3.25

Can be set to ring in fifteen seconds, two hours, or anything between. Very useful in timing your treatments and on photography.

- F-1048 Ruby Lamp, Victor, electric, arranged for 110 or 220 volt currents..... 6.75

NOTE: Complete list of dark room necessities mailed on request.

## Section "G"

Office Furniture

Hospital Furniture

Office Sterilizing Apparatus

Hospital Sterilizing Apparatus

Hospital Supplies

Surgical Rubber Goods

Sick Room Utensils

Invalid Rolling Chairs

Invalid Comforts



## OFFICE EQUIPMENT

### "WHITE LINE" EXAMINING TABLES



The Paragon Table With Drawers



#### THE "PARAGON" TABLE

A practical, low priced, well made table for office examinations and treatments, giving all necessary positions.

The mechanism is simple and effective and positions are secured easily and quickly.

The construction is of metal throughout. The tubular frame is strong and rigid and mounted on sliding furniture shoes. The top is covered with sheet steel.

The shelf below will be found a great convenience for the reception of basins, trays, etc., during diagnostic and treatment work.

The gynaecic stirrups are of steel, polished and nickel plated.

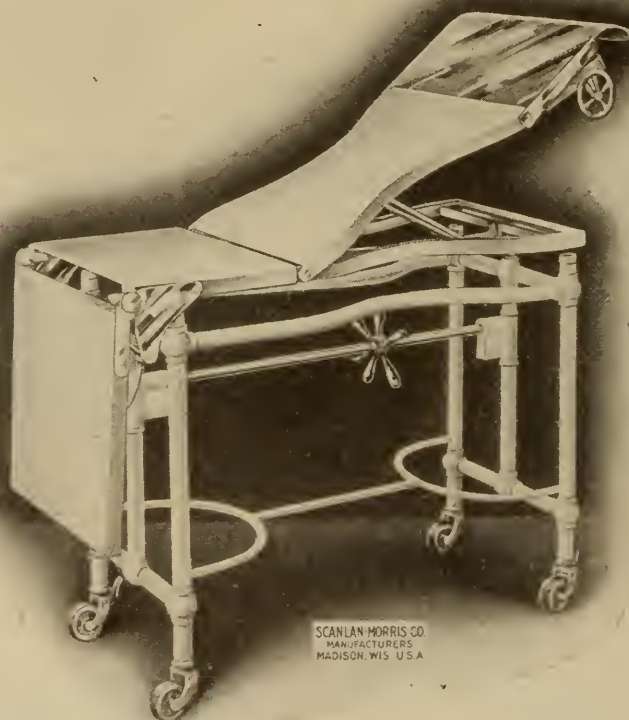
The finish is in the highest grade of enamel, hand rubbed and baked.

The table is also made with two drawers, as shown in upper illustration. They will be found especially convenient for the reception of gauze, cotton, bandages, etc.

Imitation, waterproof, leatherette cushions, as shown, can be furnished at an additional cost.

G2	The "Paragon" Table, white enamel finish .....	\$35.00
G4	The "Paragon" Table, golden oak finish .....	38.00
G6	The "Paragon" Table, mahogany finish .....	38.00
G3	The "Paragon" Table, with 2 drawers, white enamel finish.....	47.00
G5	The "Paragon" Table, with 2 drawers, golden oak finish.....	50.00
G7	The "Paragon" Table, with 2 drawers, mahogany finish.....	50.00
G8	Leatherette, waterproof cushions, per set, extra.....	6.00

## OFFICE EQUIPMENT

**"WHITE LINE" SPECIALIST'S TABLE**

**THE "DWIGHT" TABLE**  
**(Eye, Ear, Nose and Throat)**

Designed for operative work of the Ear, Eye, Nose and Throat specialist. It is simple, convenient, easily manipulated and will meet the requirements of the most exacting surgeons in the special branches mentioned.

The table top is cut in on both sides, as shown, to permit the surgeon to take a position almost directly in front of the operative field.

The top can be raised, by means of worm gears, to any desired height, the lowest elevation is 33 inches; the highest, 43 inches. This elevation can be secured by means of the spoked wheel, situated under the table top.

The head rest is shaped to throw the head at almost a right angle, when required, and is adjustable upward to an angle of 45 degrees by means of a screw mechanism, operated by hand wheel at the side of the table. The mechanism is self locking at any point.

The back and foot pieces are adjustable by rack mechanism as shown.

Frame is of heavy tubular construction, mounted on heavy 3 inch rubber casters. Top is of sheet steel. Head piece of brass, polished and nickel plated.

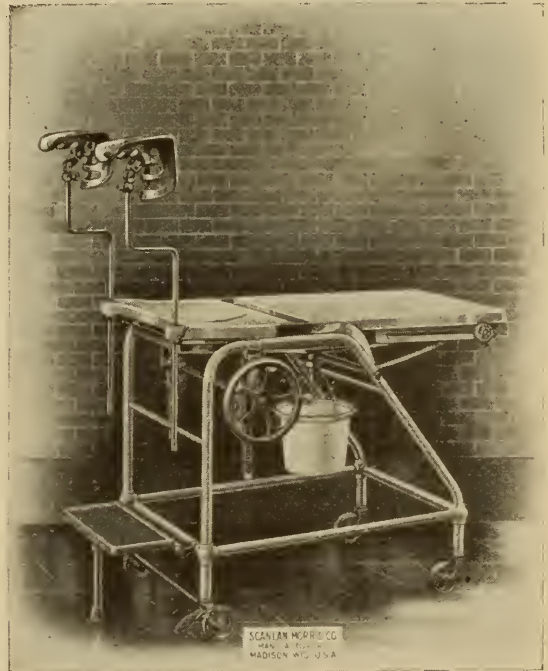
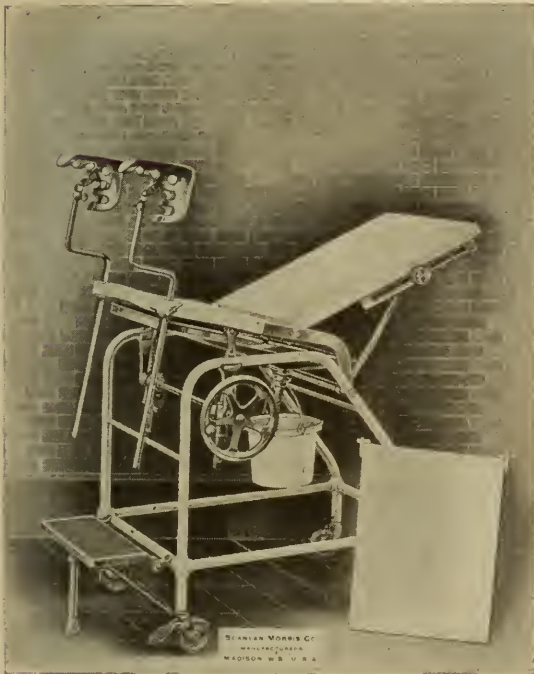
Table finished in white enamel, hand rubbed and baked.

- |     |  |          |
|-----|--|----------|
| G11 | The "Dwight" Operating Table, white enamel finish..... | \$125.00 |
| G13 | Leatherette, waterproof cushions, per set, extra.....  | 12.00    |



## OFFICE EQUIPMENT

## "WHITE LINE" SPECIALIST'S TABLES



G-15. "Braasch" Mayo Clinic, Genito-Urinary Table

A table designed especially for the discriminating specialist in genito-urinary and cystoscopic work by Dr. W. F. Braasch of St. Mary's Hospital, Rochester, Minn.

The depressed seat of Porcelain Enameled iron fits the buttocks comfortably and prevents the patient from sliding forward. A raised rim on the outer edge of seat, with a central longitudinal opening, takes care of all drainage perfectly.

The back is of Porcelain Enameled Sheet Steel and is controlled with sliding lock and hand wheel.

The seat is elevated by means of large hand wheel and worm gear.

The drain pan works in slides below the seat, and is made of Benedict Nickel, a non-corrosive metal.

The footstool, attached to the frame of the table, is hinged, and folds back against the frame when not in use.

Frame is of tubular construction, mounted on 3 inch heavy rubber casters, two of which are equipped with brakes.

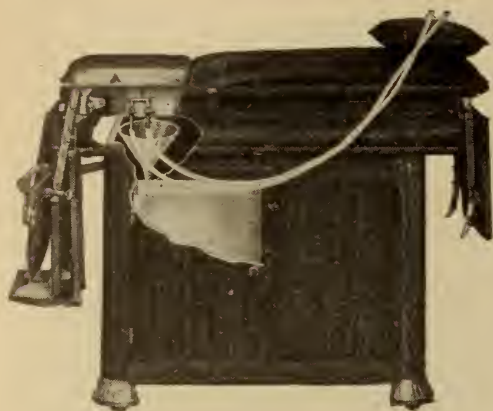
The table is complete with Braasch-Bierhoff Knee Crutches.

The frame is finished in white enamel, the fittings steel and brass, polished and nickel plated.

Price .....\$150.00

## OFFICE EQUIPMENT

### Allison Examining Tables



Irrigating Table, Style 138

#### G-31. ALLISON IRRIGATING TABLE STYLE 138

Standard finishes are Early English, Golden, Old English, Weathered and Fumed Oak.

**Dimensions**—Normal position, 40 inches long, 32 inches high, 22 inches wide. Fully extended, 72 inches long.

#### PRICES—Quartered Oak, Any Finish

138-D—Same as 38-D with irrigating attachments and 10 ft. of rubber tubing.....	\$137.50
Mahogany .....	Extra 15.00
Mahogany Finish.....	Extra 5.00
White Enamel.....	Extra 7.50

#### G-37. THE ALLISON EXAMINING TABLE STYLE 38

**Trimmings**—Oxidized Copper, Brush Brass or Nickel.

**Upholstery**—Olive, Maroon or Spanish Leather.

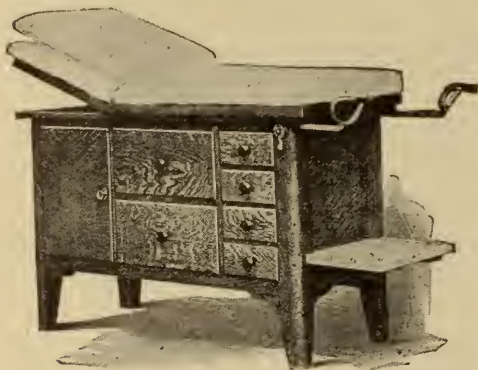
**Dimensions**—Same as Style 138.

#### PRICES—Quartered Oak, Any Finish

38-D—Leather Cushion, Pillow and Leg-Rest Pads, Adjustable Stirrups, Leg Crutches and Arm Rest, Glass Bottoms in all Drawers. Swinging glass trays in Cabinets.....	\$120.00
Mahogany .....	Extra 15.00
Mahogany Finish.....	Extra 5.00
White Enamel.....	Extra 7.50



Table, Style 38



Table, Style 2031

#### G-35. THE "ROCHESTER" EXAMINING TABLE, STYLE 2031

This is a modification of the style of table used in the clinics of Rochester, Minn., and is especially desirable where the office practice consists principally of diagnosis and local treatments.

A set of linen covers for the cushion and pillow supplied with each table.

**Dimensions**—Height, 32 inches; width, 20 inches; length, 48 inches. Length fully extended, 66 inches.

#### PRICES—Quartered Oak, any finish

Leatherette Upholstery.....	\$70.00
Mahogany .....	Extra 15.00
Mahogany Finish.....	Extra 5.00
White Enamel.....	Extra 7.50
Extra Set of Linen Covers.....	3.50

#### G-45. ALLISON TABLE, STYLE 2130

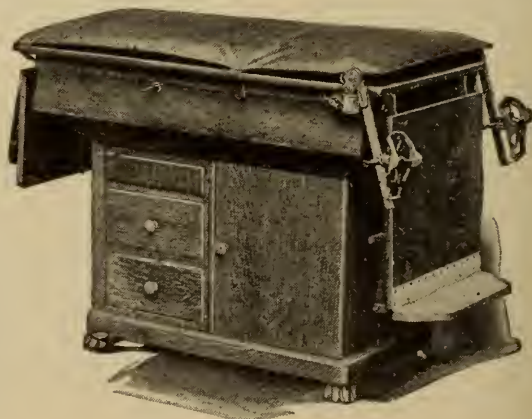
Standard finishes are Early English, Golden, Old English, Weathered and Fumed Oak.

**Dimensions**—Normal position, 40 inches long; 32 inches high; 22 inches wide. Fully extended, 72 inches long.

#### PRICES—Bastard Quartered Oak, gloss finish

2130-IC—Leatherette Cushion and Pillow .....	\$65.00
2130-LC—Leather Cushion and Pillow .....	72.50
Mahogany .....	Extra 15.00
Mahogany Finish .....	Extra 7.50
White Enamel.....	Extra 7.50
Divided Leg Rests.....	Extra 3.00
Leg-Rest Pad, leatherette.....	Extra 2.50
Leg-Rest Pad, leather.....	Extra 3.50
Leg Crutches.....	Extra 4.00
Hand Rubbed and Polished, Oak.....	Extra 5.00

Send for complete illustrated catalogue.



Table, Style 2130



## OFFICE EQUIPMENT

### Allison Examining Chairs

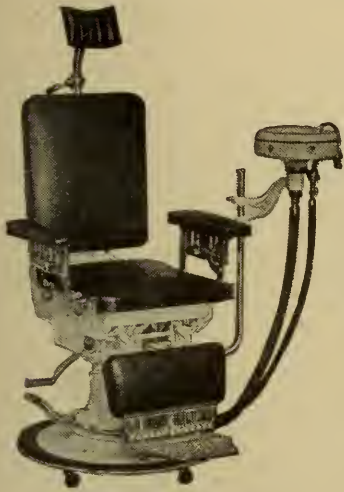
#### G-51. THE CRAFTSMAN CHAIR, STYLE 8

**Type A**—Finished in Black Japan; Oxidized Copper Trimmings; back and leg rest, Quartered Oak, any finish, or Imitation Mahogany; Olive or Maroon Leather. Specify in order oak finish desired.

**Type B**—White Enamel or Pearl Gray; Nickel Trimmings; Brown or Gray Spanish Leather. Specify in order whether chair is to be equipped with casters or glides.

#### PRICES

<b>Style 8A</b> —With casters or glides.....	\$120.00
<b>Style 8B</b> —With casters or glides.....	125.00
<b>Style 8C</b> —Mahogany or Oak Grain, baked enamel; with casters or glides.....	130.00
With "Allison" adjustable stirrups and leg crutches .....	Extra 10.00
With slide stirrups.....	Extra 4.00
With removable arms.....	Extra 7.50
With rod and socket attached for cuspidor....	Extra 5.00
With Fountain Cuspidor attached, complete...Extra	40.00



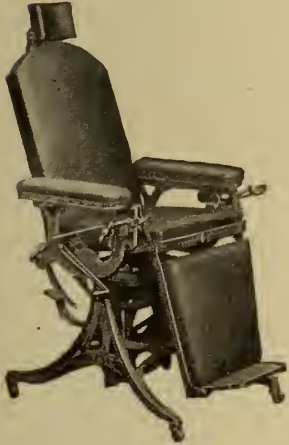
Craftsman Chair, No. 8

#### G-53. THE YALE CHAIR

This chair has a wide range of positions, has drop seat for dorsal position, adjustable arms, and can be raised or lowered by foot levers. Is equipped with adjustable stirrups and head-rest. Trimmings in Nickel or Copper.

G-53 Yale Chair, leather upholstery.....\$77.50

G-53A Yale Chair, imitation leather upholstery..... 70.00



#### G-53B. THE OXFORD CHAIR

Made in the same design and of the same construction as the Yale. Elevation secured by heavy, quick working screw. All positions can be secured as in the Yale with the exception of the drop seat feature. Trimmings in Nickel or Copper.

G-53B The Oxford Chair, leather upholstery.....\$62.50

G-53C—The Oxford Chair, imitation leather upholstery. 55.00



#### G-31. THE ALLISON SPECIALIST CHAIR, STYLE 7

A chair especially adapted to eye, ear, nose and throat work. The back has a nine-inch range in its vertical adjustment. The seat, on a heavy 10-inch steel screw, revolves independently of the back, and, as there are no arm posts, the patient may be turned to one side or the other, permitting treatment of either ear. A hand lever to the right, back of the seat, enables the operator to recline the back to the angle desired.

By means of a foot lever the chair may be tilted.

G-31—Style 7A—Seat, arms and both sides of back Quartered Oak or Imitation Mahogany.....\$45.00

G31A—Style 7B—Seat and back upholstered in leather, arms and outside of back Quartered Oak or imitation Mahogany ..... 50.00

Mahogany or White Enamel.....Extra 5.00  
Send for complete illustrated catalogue.



## OFFICE EQUIPMENT

### Allison Instrument Cabinets

#### STYLE 152

**Dimensions**—66x30x14; Instrument section, inside, 48x28x10.

##### PRICES—Quartered Oak

152-B	—D. S. G. throughout	.....\$37.50
152-BC	—D. S. G. doors, P. G. shelves	47.50
152-D	—B. P. G. doors, P. G. shelves	57.50
152-E	—B. P. M. doors, P. G. shelves	62.50
252	—Three Drawer Base	.....Extra 3.00
	Mahogany, rubbed and polished	Extra 15.00
	Mahogany Finish, hand-rubbed and polished	.....Extra 7.50
	White Enamel, hand-rubbed	.....Extra 7.50
	Oak, hand-rubbed and polished	Extra 5.00

#### STYLE 2154

**Dimensions**—66x26x14½ inches. Instrument section, inside, 30½x24x10 inches.

##### PRICES—Quartered Oak, Any Finish

2154-B	—D. S. G. throughout	.....\$60.00
2154-BC	—D. S. G. doors, P. G. shelves	67.50
2154-D	—B. P. G. doors, P. G. shelves	75.00
2154-E	—B. P. M. doors, P. G. shelves	80.00
	Mahogany	.....Extra 12.50
	Mahogany Finish or White Enamel	.....Extra 5.00

#### STYLE 2262

**Dimensions**—67½x30x19 inches. Instrument section, inside, 33x27x12¼ inches.

##### PRICES—Quartered Oak, Any Finish

2261-BC	—D. S. G. doors, P. G. shelves	\$87.50
2261-D	—B. P. G. doors, P. G. shelves	82.50
2261-E	—B. P. M. doors, P. G. shelves	87.50
	Mirror back of instrument	.....Extra 12.50
	Mahogany, glass knobs	.....Extra 12.50
	Mahogany Finish, glass knobs	Extra 5.00
	White Enamel, glass knobs	.....Extra 5.00

#### STYLE 2261

**Dimensions**—67½x36½x19 inches. Instrument section, inside, 33x32x12¼ inches.

##### PRICES—Quartered Oak, Any Finish

2261-BC	—D. S. G. doors, P. G. shelves	\$88.00
2261-D	—B. P. G. doors, P. G. shelves	95.00
2261-E	—B. P. M. doors, P. G. shelves	100.00
	Mahogany, glass knobs	.....Extra 15.00
	Mahogany Finish, glass knobs	Extra 5.00
	White Enamel, glass knobs	.....Extra 5.00
	Mirror back of instruments	.....Extra 15.00

#### STYLE 2155

**Dimensions**—66x23x16 inches. Instrument section, inside, 43x20x14 inches.

##### PRICES—Quartered Oak, Any Finish

2155-B	—D. S. G. throughout	.....\$40.00
2155-BC	—D. S. G. door and sides, P. G. shelves	.....50.00
2155-C	—P. G. door and sides, P. G. shelves	.....65.00
2155-D	—B. P. G. door and sides, P. G. shelves	.....72.50
	Mirror back of instruments	.....Extra 12.50
	Mahogany, glass knobs	.....Extra 10.00
	Mahogany Finish, glass knobs	Extra 5.00
	White Enamel, glass knobs	.....Extra 5.00

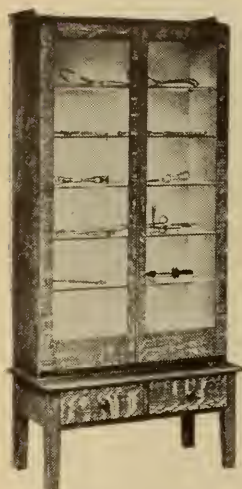
#### THE ALLISON UTILITY STANDS, STYLE G-123

**Dimensions**—Height, 34 inches; top, 17x25 inches.

##### PRICES—Quartered Oak, Any Finish

G-123A or W-123A	—D. S. G. all around, complete with 2 oz. bottles	\$37.50
G-123C or W-123C	—B. P. G. all around, complete with 2 oz. bottles	44.00
123	—All styles, Mahogany, glass knobs	.....Extra 7.00
	Mahogany finish or White Enamel, glass knobs	.....Extra 3.00

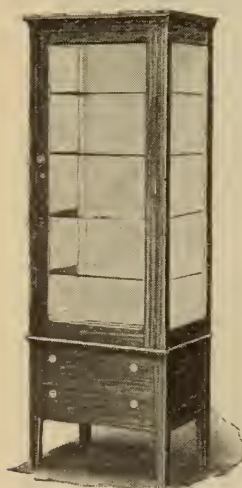
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Style 152



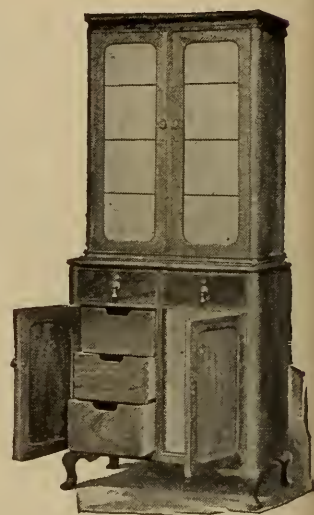
Style 2262



Style 2155

B. P. G.—Bevel Plate Glass.

B. P. M.—Bevel Plate Mirror.



Style 2154



Style 2261



Style No. G-123

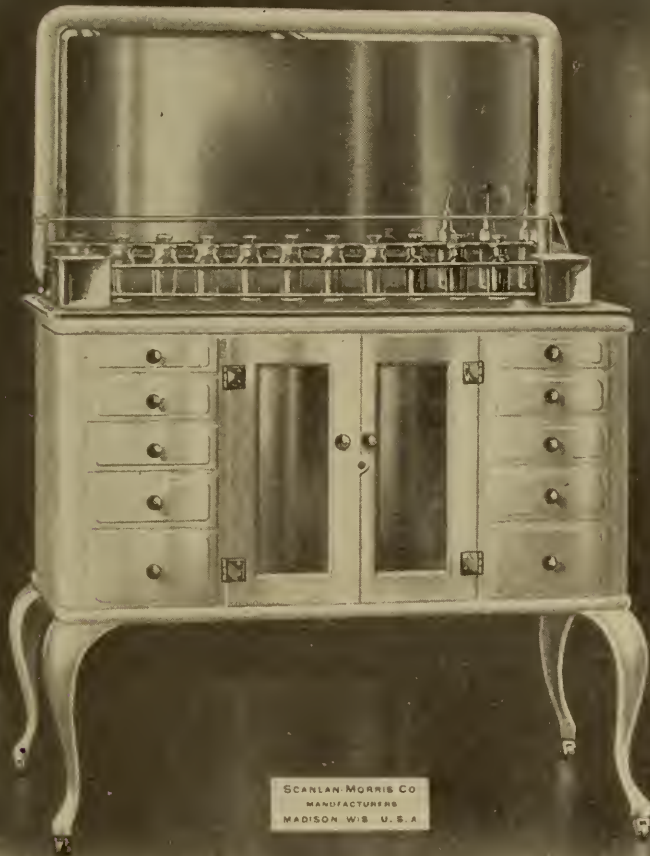
D. S. G.—Double Strength Glass.

P. G.—Plain Plate Glass.



## OFFICE EQUIPMENT

## "WHITE LINE" SPECIALIST'S CABINET



## "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 the Cabinet is made of polished pressed steel, reinforced to secure the greatest rigidity and strength. It has ten frictionless drawers of improved construction, arranged on each side of the instrument cabinet. The lower drawer on the right is furnished with a nickel plated container for cotton and a receptacle for waste pledgets.

The Instrument Cabinet has two polished plate glass shelves, close fitting double doors with bevelled plate glass windows, fitted with Pasquil lock and key. Dimensions, 18 inches wide, 16 inches high and 18 inches deep.

The top is of heavy polished plate glass, 36x18 inches, with rounded corners, resting on rubber tips.

The Bottle Rack is made of heavy copper, polished and nickel plated, holds twelve spray tubes and twelve two ounce glass stoppered, salt mouth bottles. These bottles in crystal, blue, and amber are supplied with the cabinet.

The mirror is of the finest French bevelled plate with rounded corners. Mounted in half oval steel frame.

The body of the Cabinet is mounted on cast legs of graceful design. Mounted on easy rolling casters.

Dimensions of Cabinet, 32 inches high, 36 inches wide and 18 inches deep.

Finish is in highest grade of enamel, hand rubbed and baked.

G-54	The "Multum in Parvo" Specialist's Cabinet, white enamel finish.....	\$85.00
G-56	The "Multum in Parvo" Specialist's Cabinet, mahogany finish .....	95.00
G-58	The "Multum in Parvo" Specialist's Cabinet, golden oak finish .....	95.00
G-62	The "Multum in Parvo" Specialist's Cabinet, weathered oak finish.....	95.00

OFFICE EQUIPMENT

"WHITE LINE" TREATMENT TABLES



G-115

G-115. The "WHITE LINE" TREATMENT TABLE A-1226

This table will be found especially useful for the doctor's consultation room and laboratory. It has a porcelain enameled top 16x20 inches and plate glass shelf having polished and beveled edges. A rail around three sides of the table is furnished with metal spring clips for bottle or spray tubes. Stand is of tubular construction, furnished with lignum vitae casters and finished in pure white enamel, baked and hand rubbed.

Price .....\$14.00

G-120. THE "WHITE LINE" NOSE AND THROAT TREATMENT TABLE A-1224

Made up for the nose and throat specialist especially. It is clean, can be kept clean, and makes a handsome piece of office furniture. It has polished plate glass top 18x33 inches, polished plate glass shelf, with end rails carrying spring clips for atomizing tubes, back rails carrying spring clips for one or two ounce bottles. Rails are made of brass, heavily nickel plated. Stand made of tubular iron, well braced, furnished with lignum vitae casters, and finished in pure white enamel, baked and hand rubbed.

Price .....\$30.00



G-120

G-82. "THE WASHINGTON" TREATMENT TABLE A-1222

A table that will prove of practical value and great convenience to the specialist. The table is of graceful design, strongly constructed, the bridge front allowing the operator to work close to the table, bringing spray bottles, etc., within easy reach. The metal drawers, placed to one side, are easy of access.

The table top is of heavy polished plate glass, 18x33 inches. The nickel plated guard rail around the top is equipped with spring clips for holding twelve crystal, blue and amber glass stoppered bottles and twelve spray tubes. The drawers are of sheet steel; the frame, of wrought iron tubing finished in white enamel, hand rubbed and baked.

Price .....\$45.00





## OFFICE EQUIPMENT

## "WHITE LINE" SPECIALIST'S CHAIRS

**G-194. "WHITE LINE" SPECIALIST'S CHAIR A-1240**

A chair designed to meet the requirements of the most exacting eye, ear, nose and throat specialist.

The back of this chair is so shaped as to afford the greatest comfort to the patient and is adjustable to any angle, adjustment being obtained by means of a foot pedal.

The round seat (revolving) is adjustable in height from 18 inches to 25 inches.

The head-rest gives the greatest range of adjustability in height, in angle (front and back) and in the tilt of the head-rest proper up and down.

The chair is equipped with adjustable arm rests.

The frame and body of the chair are of wrought and malleable iron, finished in the highest grade of enamel, hand rubbed and baked. Arm rests, seat and chair fittings are finished in nickel plate or oxidized copper finish.

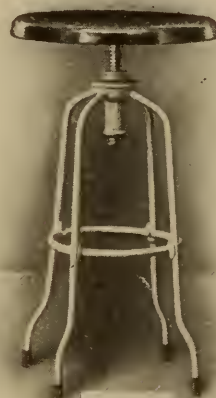
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|-------|--|---------|
| G-194 | "White Line" Specialist's Chair, white enamel finish, nicked plated seat and trimmings, A-1240 ..... | \$30.00 |
| G-195 | "White Line" Specialist's Chair, mahogany finish, oxidized copper seat and trimmings, A-1242 .....   | 35.00   |
| G-196 | "White Line" Specialist's Chair, golden oak finish, oxidized copper seat and trimmings, A-1244 ..... | 35.00   |
| G-197 | "White Line" Specialist's Chair, oxidized copper finish throughout, A-1246                           | 35.00   |

## OFFICE EQUIPMENT

## "WHITE LINE" STOOLS FOR THE OFFICE

SCANLAN MORRIS CO.  
MANUFACTURERS  
MADISON, WIS. U.S.A.

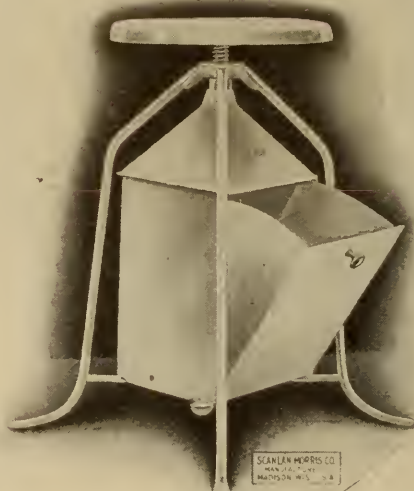
G-202-204

SCANLAN MORRIS CO.  
MANUFACTURERS  
MADISON, WIS. U.S.A.

G-208-212



G-206



G-216

## STOOLS

- G-202 Surgeon's Stool A-200, strongly constructed of wrought iron, with reinforced support for revolving seat, which is made of stamped steel, 14 inches in diameter. The braces are round and smooth, avoiding crevices. It is finished in white enamel, hand rubbed and baked. Adjustable in height from 21 to 27 inches.....\$ 6.50
- G-204 Surgeon's Stool A-202, same as our A-200, adjustable in height from 25 to 31 inches..... 6.50
- G-206 Surgeon's Stool A-204, with back, high or low form..... 12.00
- \*G-207 Anaesthetizer's Stool A-212, adjustable from 18 to 34 inches..... 11.00
- G-208 Specialist's Stool A-214, with polished nickel plated seat, 14 inches in diameter, contracted floor base, mounted on rubber tips, adjustable in height from 18 to 25 inches..... 7.00
- G-212 Specialist's Stool, A-214, with polished nickel plated seat, 11 inches in diameter. Adjustable in height from 18 to 25 inches..... 7.00
- G-216 Specialist's Stool A-216, with waste receptacle. A combination of our A-200 Stool with a waste receptacle incorporated between the legs of the stool operated by a foot pedal. Finished in white enamel, hand rubbed and baked ..... 12.00
- \*G-218 Operator's Foot Stool A-206, 10x14 inches, height 8 in..... 6.50



## OFFICE EQUIPMENT

**"MULTUM IN PARVO" SPECIALIST'S CABINET**

(With Specialist's Chair and Specialist's Stool)

**Specialist's Cabinet, Chair and Stool**

A model office equipment for the eye, ear, nose and throat specialist. It is an ornament to any office and can be finished in the various wood grains to harmonize with the rest of the office furniture. It is aseptic, convenient, practical, time saving, and most attractive.

The outfit includes our "Multum in Parvo" combined treatment and instrument cabinet, our "White Line" Specialist's Chair and our "White Line" Specialist's Stool.

**PRICES:**

- |      |   |          |
|------|---|----------|
| G-66 | The "White Line" Multum in Parvo Three Piece Office Outfit, finished in White Enamel, A-1260..... | \$112.00 |
| G-68 | The "White Line" Multum in Parvo Three Piece Office Outfit, Mahogany finish, A-1260A .....        | 127.00   |
| G-72 | The "White Line" Multum in Parvo Three Piece Office Outfit, Golden Oak finish, A-1260B .....      | 127.00   |

OFFICE EQUIPMENT

"WHITE LINE" SPECIALIST'S OFFICE EQUIPMENT  
(Eye, Ear, Nose and Throat)



G-374. SPECIALIST'S EQUIPMENT (GROUP "H")

Group "H" ("White Line" Specialist's Office Equipment) consists of a "Multum in Parvo" Combined Treatment and Instrument Cabinet (A-1200), "White Line" Specialist's Chair (A-1240), Specialist's Stool (A-214), Metropolitan Specialist's Sterilizing Plant (A-740), and the Princess Instrument Cabinet (A-910).

- G-374 "White Line" Specialist's Office Equipment (Group "H"), white enamel finish .....\$219.00
- G-376 "White Line" Specialist's Office Equipment (Group "H"), mahogany finish 243.00
- G-378 "White Line" Specialist's Office Equipment (Group "H"), oak finish..... 243.00

\*G-368. SPECIALIST'S EQUIPMENT (GROUP "G")

Group "G" ("White Line" Specialist's Office Equipment) consists of a "Multum in Parvo" Combined Treatment and Instrument Cabinet (A-1200), "White Line" Specialist's Chair (A-1240), Specialist's Stool (A-214), and the Metropolitan Specialist's Sterilizing Plant (A-740).

- G-368 "White Line" Specialist's Office Equipment (Group "G"), white enamel finish .....\$150.00
- G-370 "White Line" Specialist's Office Equipment (Group "G"), mahogany finish 177.00
- G-372 "White Line" Specialist's Office Equipment (Group "G"), oak finish..... 177.00

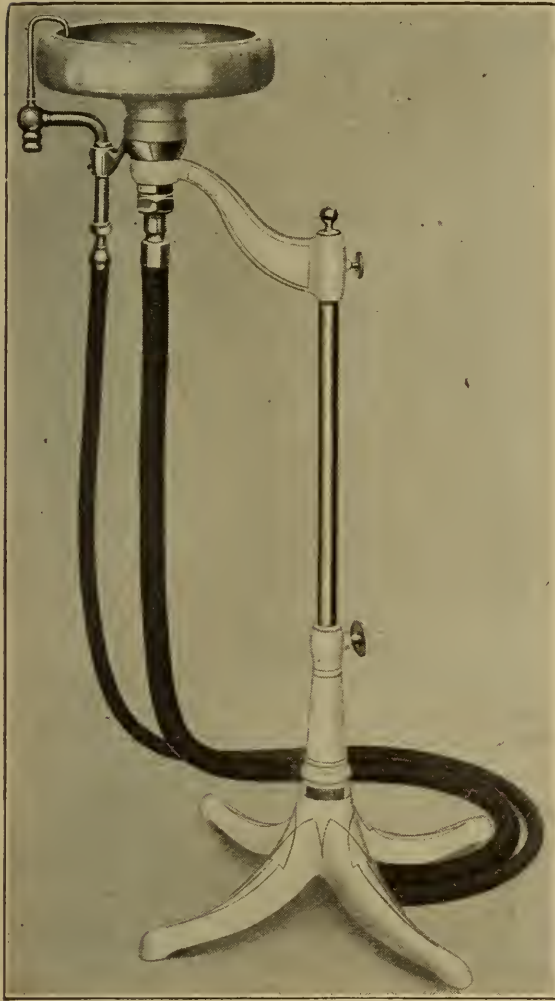


## OFFICE EQUIPMENT

## CLARK FOUNTAIN SPITTOONS

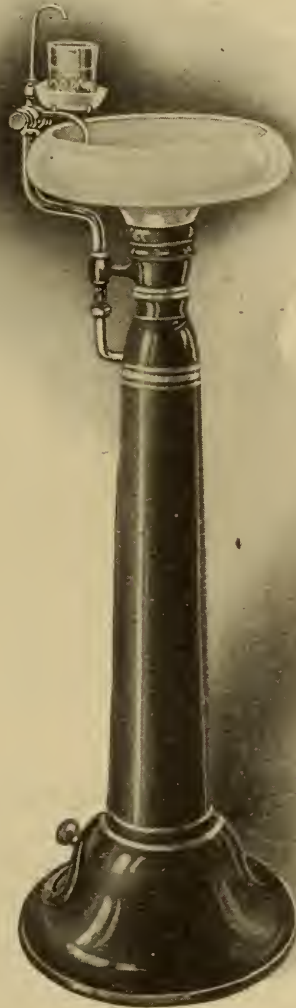
The Specialist's equipment today is not complete without a Fountain Spittoon. **Present-day Hygiene demands it.**

The Clark -25- Single and the Clark -30- Pedestal, illustrated below, are particularly designed and constructed for the requirements of the medical profession, and we consider them exceptionally good value for the money.



CLARK -25- SINGLE

Is furnished on Stand, Wall Arm or Chair Arm, including tubing and plumbing connections. Standardly enameled in black, or specially enameled in other shades.



CLARK -30- PEDESTAL

Eliminates rubber tubing—plumbing connections enclosed. Furnished with or without Drinking Glass. Standardly enameled in black, or specially enameled in other shades.

## THE CLARK

-70- Double—SPECIALIST'S MODEL

-60- Double—SPECIALIST'S MODEL

-55- Single—SPECIALIST'S MODEL

Spittoons of the highest possible efficiency, quality and value. Send for catalog.

A. C. CLARK & CO.

Grand Crossing

Chicago, Ill.

## OFFICE EQUIPMENT

## "WHITE LINE" INSTRUMENT TABLES



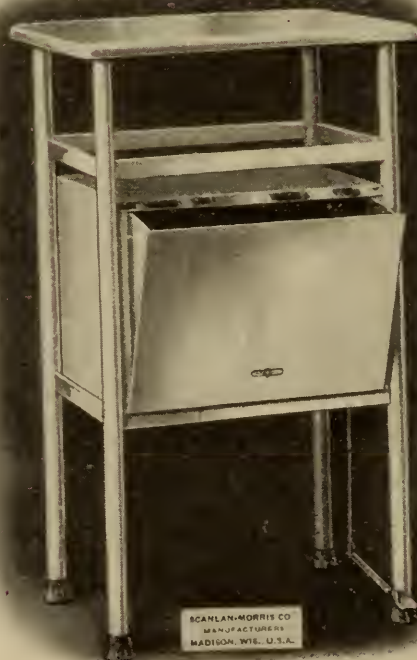
G-94



G-98



G-106

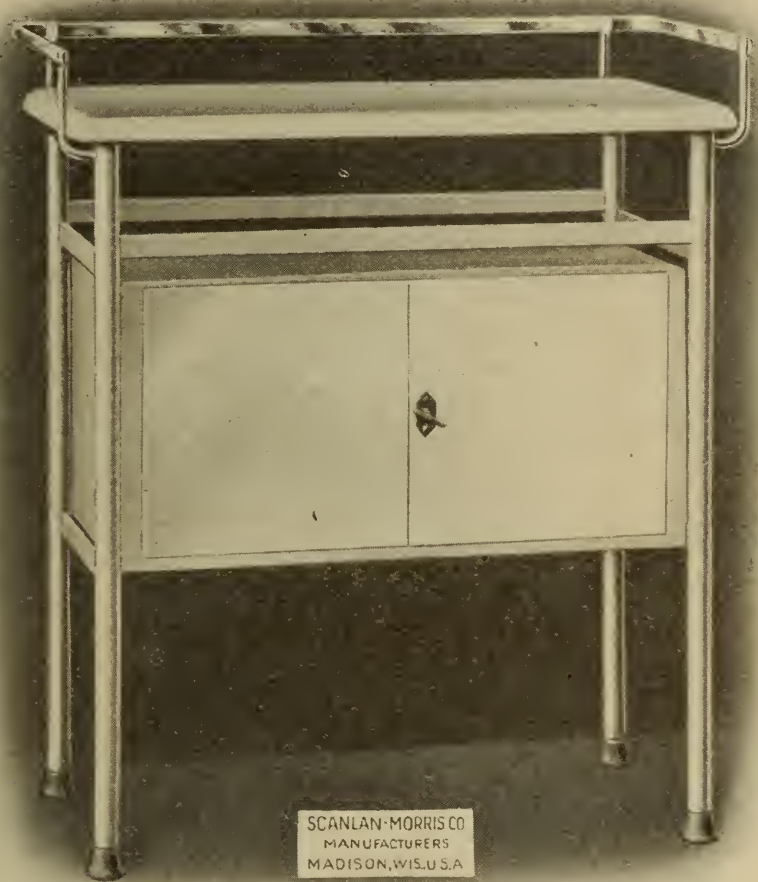


G-104



OFFICE EQUIPMENT

"WHITE LINE" INSTRUMENT TABLES



G-107

G-94. THE "MODEL" TABLE A-180

The "Model" table is the cleanest, most attractive and most serviceable type of table for office work.

The top is of Porcelain Enameled Iron, 16x20 inches, shelf of sheet steel, frame of tubular construction, mounted on rubber tips, lignum vitae casters or sliding shoes. Finish is in white enamel, hand rubbed and baked.

Price .....\$10.00

G-98. THE "MODEL" TABLE A-185

Made up in the same manner and with the same specifications as A-180, with the addition of a sheet steel drawer.

Price .....\$12.00

G-104. THE "MODEL" TABLE A-176

Made up in the same manner and with the same specifications as A-180, with the addition of a waste receptacle, made of sheet steel and operated by foot pedal.

Price .....\$16.00

G-106. THE "MODEL" TABLE A-186

Made up in the same manner and with the same specifications as A-180, with the addition of a pressed steel dressing cabinet 20x14x16 inches, fitted with steel shelf and close fitting door.

Price .....\$17.00

G-107. "WHITE LINE" INSTRUMENT TABLE AND DRESSING CABINET A-178

This table has a Porcelain Enameled Iron top, 16x30 inches, nickel plated guard rail around two sides and back, and a sheet steel dressing cabinet with double doors for dressings, sundries, etc. Frame is of tubular construction, mounted on rubber tips, lignum vitae casters or sliding shoes. Finish is white enamel hand rubbed and baked.

Price .....\$35.00

OFFICE EQUIPMENT

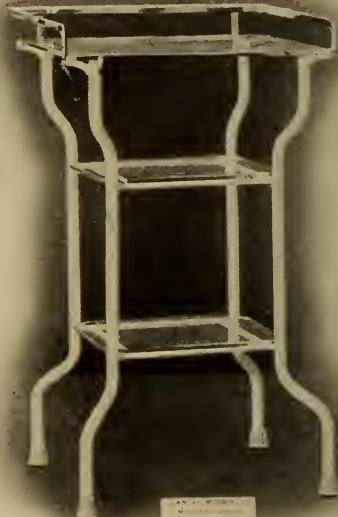
"WHITE LINE" INSTRUMENT TABLES



G-125



G-130



G-128

G-130. THE "WHITE LINE" TABLE A-168

This Table has a polished plate glass top, 16x20 inches, with shelf of sheet steel. Nickel plated guard rail on back and two sides of the top. Frame is of tubular construction. Mounted on heavy rubber tips or furnished with Lignum Vitae casters. Frame and shelf finished in pure white enamel, hand rubbed and baked.

Price .....\$10.00

G-125. THE "WHITE LINE" TABLE A-170

This Table has a polished plate glass top, 16x20 inches, with shelf of sheet steel. Nickel plated guard rail on back and two sides of top. Sheet steel drawers of our improved frictionless pattern. Mounted on heavy rubber tips or Lignum Vitae casters. Frame and shelf finished in pure white enamel, hand rubbed and baked.

Price .....\$12.00

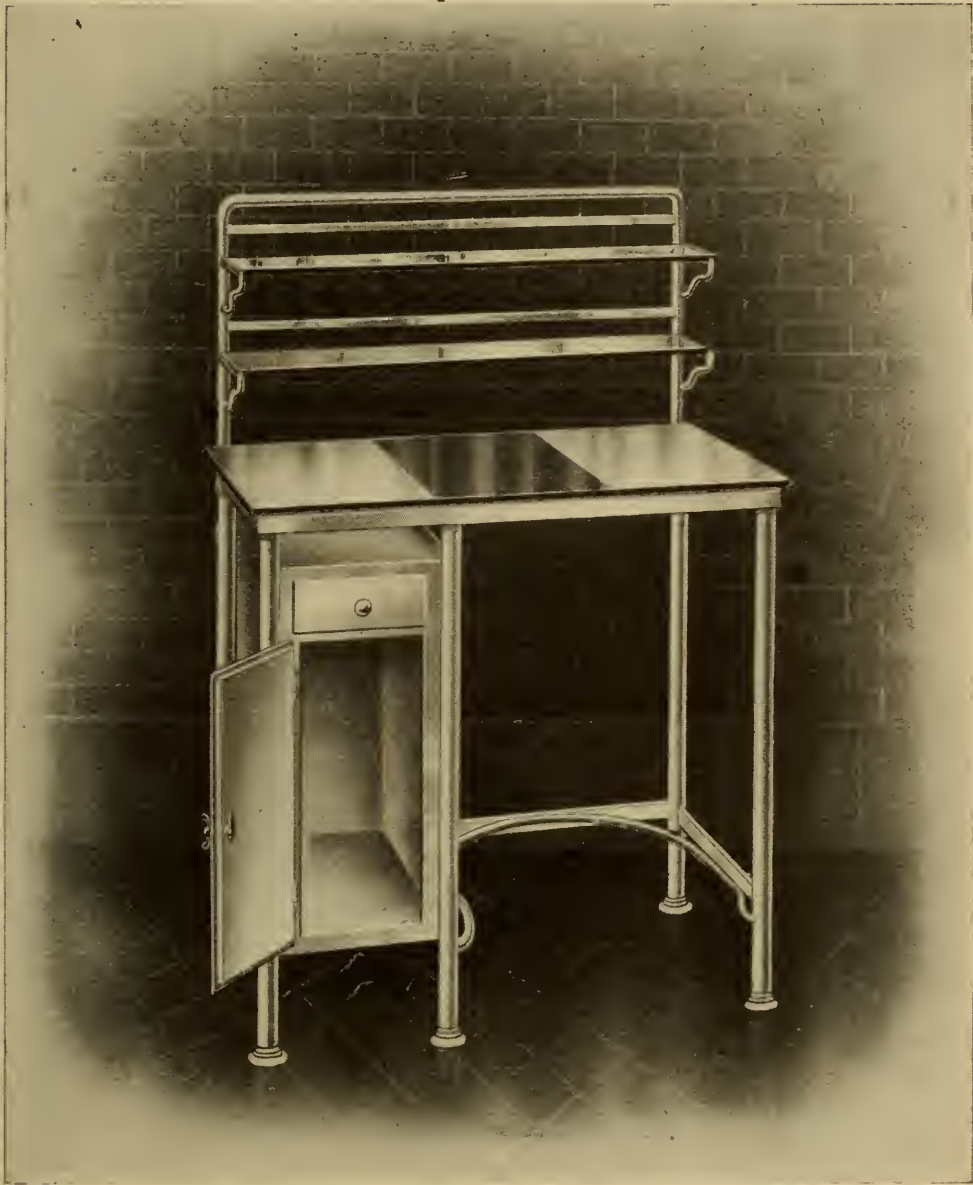
G-128. THE "WHITE LINE" TABLE A-172

A table of graceful, attractive design with top and shelves of polished plate glass; guard rail of nickel-plated steel and frame of tubular construction with curved legs; mounted on heavy rubber tips or Lignum Vitae casters; finished in white enamel, hand rubbed and baked.

Price .....\$12.00



OFFICE EQUIPMENT  
PHYSICIAN'S LABORATORY TABLE



G-134. "WHITE LINE" PHYSICIAN'S LABORATORY TABLE A-198

A form of table that is getting to be an essential in the laboratory of the up-to-date physician. It has two bracketed plate glass shelves 6x30 inches, for holding stains, reagents, etc., a sheet steel drawer 7 inches wide, 2 inches deep and 16 inches long, for the reception of sundries, and a cabinet 16 inches high, 9¼ inches wide and 16 inches deep, that will be found especially convenient for holding microscope and other large accessories when not in use. The top is of heavy plate glass, 18x32 inches, having polished edges and enameled on its under surface into three equal sections, the center in black, the two sides in white. This will be found to be very useful in the differentiation of colors.

The frame is of tubular construction, with an open front that will permit of close work. Frame mounted on sliding shoes and finished in white enamel, hand rubbed and baked.

Price .....\$55.00

OFFICE EQUIPMENT

"WHITE LINE" OFFICE TABLES



G-111-112. "WHITE LINE" CABINET TABLE A-1504

The cabinet is made of pressed steel with all corners rounded. The drawer is of pressed steel, and works on frictionless guides. The rail is of half round steel, nickel plated.

The cabinet top, of snow-white porcelain-enamel, is "aseptic."

The cabinet table is finished in the highest grade of enamel, hand rubbed and baked, and is mounted on noiseless casters.

Dimensions: Procelain enamel top, 16x20 in.; drawer, 14½x14x4½ in. deep; lower section of cabinet for storing towels, etc., 22 in. high, 15 in. deep, 17 in. wide. Height of cabinet table, 35 in.

- G-111 Cabinet Table, A-1504, finished in white enamel.....\$30.00
- G-112 Cabinet Table, A-1504A, finished in mahogany..... 35.00



## OFFICE EQUIPMENT

## "WHITE LINE" INSTRUMENT CABINETS

**G-146. THE PRINCESS CABINET WITH METAL DRAWERS A-912**

A snow-white porcelain enamel "aseptic" slab forms the cabinet top. The body of the cabinet is of pressed steel, with rounded corners. **The double doors and the sides of cabinet are fitted with plate glass.** The shelves are of plate glass. The drawers are of pressed steel, with lock and key. The cabinet is mounted on casters and is finished inside and outside in white enamel, hand rubbed and baked.

Height of cabinet over-all, 61 in.; cabinet proper, 30x27x15 in. deep. Metal drawers, each, 6x8x14 in.

Price .....\$70.00

**G-145. THE PRINCESS CABINET A-910**

This cabinet is of same design and construction as A-912, but has no drawers. Height of cabinet over all, 50 in.; cabinet proper, 30x27x15 in. deep.

Price .....\$60.00

OFFICE EQUIPMENT

"WHITE LINE" INSTRUMENT CABINETS



G-147. THE PRINCESS CABINET FOR INSTRUMENTS AND DRESSINGS A-914

A snow-white porcelain enameled slab, aseptic, forms the cabinet top. The body of the cabinet is made of pressed steel, having rounded corners. The instrument section is fitted with plate glass in the door and sides, and with plate glass shelves. The drawers are of pressed steel, with lock and key. The dressing section is fitted with double doors having lock and key, and sheet steel shelf. The cabinet is finished inside and outside in white enamel, hand rubbed and baked.

Height of cabinet over all, 61 in.; instrument cabinet proper, 30x27x15 in.; dressing cabinet, 30x18x15 in.; drawers, 6x8x14 in.

Price .....\$80.00



## OFFICE EQUIPMENT

## "WHITE LINE" INSTRUMENT CABINETS



G-148. "WHITE LINE" INSTRUMENT CABINET A-920

The cabinet frame is built of cold rolled steel **with rounded corners**. The cabinet sides and door are fitted with beveled and polished plate glass. The cabinet shelves are of plate glass with rounded polished edges. The cabinet door swings true; is close fitting, and is **supplied with Yale lock (three-lever)**. The lever action of the lock brings the door close up against the door frame, securing the door at center, top and bottom.

The cabinet is finished in white enamel, hand rubbed and baked, and is mounted on large rubber casters.

Height over all, 65 in.; cabinet inside, 42 in. high, 24 in. wide, 16 in. deep.

Price .....\$85.00

## OFFICE EQUIPMENT

## "WHITE LINE" INSTRUMENT CABINETS



G-155. THE COLONIAL A-926

The cabinet frame is of cold rolled steel, with all corners rounded. The cabinet sides and door are fitted with heavy polished and beveled plate glass. The cabinet door, perfect fitting, is supplied with Yale three-lever lock. The shelves, adjustable, are of polished plate glass, with all corners and edges rounded and polished. The cabinet drawers are of pressed steel and are fitted with easy working slides.

The cabinet frame and drawers are finished in white enamel, hand rubbed and baked, and the cabinet is mounted on heavy rubber casters.

Dimensions: Height, 68 in.; width, 30 in.; depth, 16 in. Drawers, each, 15 in. by 12½ in. by 4½ in.

Price .....\$145.00



## OFFICE EQUIPMENT

## THE ALLISON MEDICINE

## CABINET, STYLE 253

## Prices—Quartered Oak

253-B—D. S. G. throughout....	\$45.00
253-D—B. P. G. doors.....	57.50
253-E—B. P. M. doors.....	62.50
153—Two Drawer Base—Deduct	3.00

THE ALLISON COMBINATION  
CABINET, STYLE 2060

Dimensions—Height, 70 inches;  
width, 36 inches; depth, 18 inches.  
Instrument section, inside measure-  
ments: Height, 34½ inches; width,  
15¼ inches; depth, 13½ inches.

## Prices—Quartered Oak, Any Finish

2060-BC—D. S. G. doors, P. G. shelves .....	\$85.00
2060-D—B. P. G. doors, P. G. shelves .....	92.50
2060-E—B. P. M. doors, P. G. shelves .....	97.50
Mahogany .....	Extra 15.00
Mahogany finish or white enamel .....	extra 5.00

THE ALLISON COMBINATION  
CABINET, STYLE 156

Dimensions—70x44x15 inches. In-  
strument section; inside, 32x14x12  
inches.

## Prices—Quartered Oak, Any Finish

156-BC—D. S. G. doors, P. G. shelves .....	\$70.00
156-D—B. P. G. doors, P. G. shelves .....	80.00
156-DE—B. P. G. over instru- ments, B. P. M. over medi- cines, P. G. shelves.....	85.00
156-E—B. P. M. doors, P. G. shelves .....	87.50
Mahogany, glass knobs...Extra	15.00
Mahogany finish, glass knobs "	5.00
White enamel, glass knobs.. "	5.00

THE ALLISON COMBINATION  
CABINET, STYLE 2162

Dimensions—67½x30x19 inches. In-  
strument section; inside, 15x27x12¼  
inches.

## Prices—Quartered Oak, Any Finish

2162-BC—D. S. G. doors, P. G. shelf .....	\$77.50
2162-D—B. P. G. doors, P. G. shelf .....	80.00
2162-E—B. P. M. doors, P. G. shelf .....	82.50
Mahogany, glass knobs...Extra	15.00
Mahogany finish, glass knobs "	5.00
White enamel, glass knobs.. "	5.00

THE ALLISON SPECIALISTS'  
CABINET, STYLE 149

Dimensions—Style 149, 65x28¼x  
18¼ inches; instrument section, in-  
side, 24½x24x6½ inches.

## Prices—Quartered Oak, Any Finish

149-BC—P. G. top on lower sec- tion, D. S. G. doors and sides, P. G. shelves.....	\$75.00
149-BD—P. G. top on lower sec- tion, B. P. G. doors and sides, P. G. Shelves.....	85.00
Mahogany, glass knobs...Extra	15.00
Mahogany finish or white enamel, glass knobs....Extra	5.00
Swinging spray heater with bulb attachment for electricity..Ex.	5.00

THE ALLISON SPECIALISTS'  
CABINET, STYLE 2267

Dimensions—75x33x20 inches. In-  
strument section; inside, 25½x30x8¼  
inches.

## Prices—Quartered Oak, Any Finish

2267-BC—D. S. G. doors and sides, P. G. shelves.....	\$100.00
2267-BD—B. P. G. doors and sides, P. G. shelves.....	110.00
2267-EDE—B. P. M. doors, B. P. G. sides in upper section; B. P. G. doors in lower sec- tion; P. G. shelves.....	115.00
Mahogany, glass knobs...Extra	15.00
Mahogany finish, glass knobs "	5.00
White enamel, glass knobs.. "	5.00

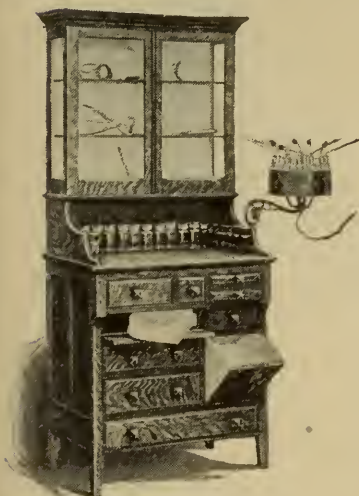
Send for Complete Illustrated Catalogue.



Style 253



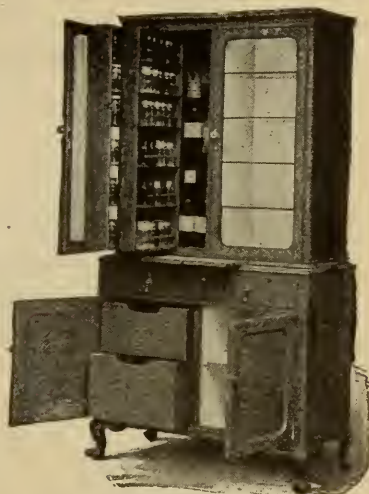
Style 156



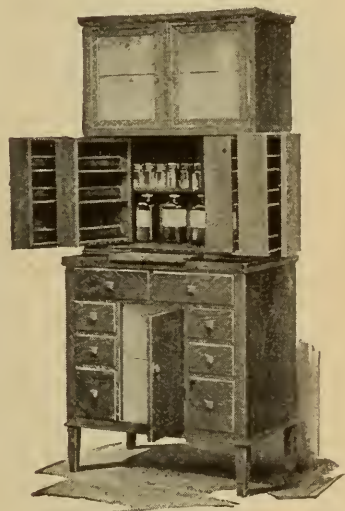
Style 149

B. P. M.—Bevel Plate  
Mirror

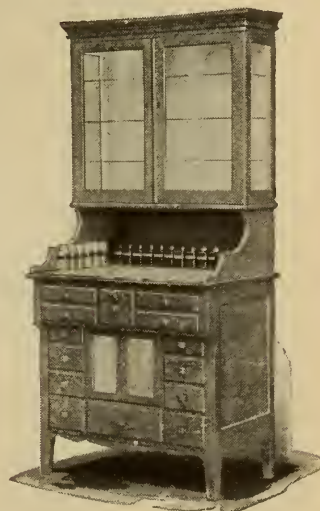
B. P. G.—Bevel Plate Glass



Style 2060



Style 2162



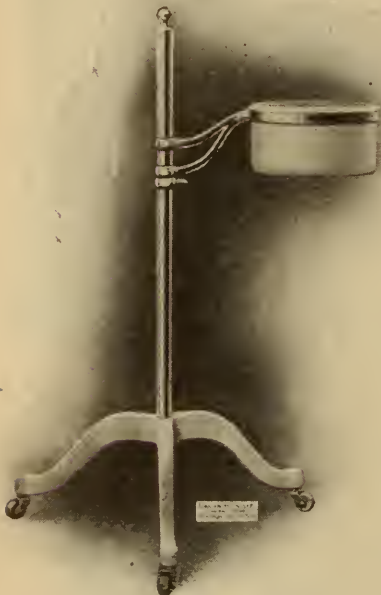
Style 2267

P. G.—Plain Plate Glass

D. S. G.—Double Strength  
Glass

OFFICE EQUIPMENT

"WHITE LINE" SPITTOONS AND WASTE PAILS



G-188

G-188. THE "WHITE LINE" SANITARY OFFICE  
SPITTOON

A sanitary spittoon for the physician's office at a moderate price. Spittoon is carried in a swinging bracket, which can be raised or lowered as required. Spittoon is of white enameled steel ware, with removable cover. Upright and swinging bracket polished and nickel plated. Tripod base finished in white enamel.

Price .....\$12.00

"WHITE LINE" SANITARY WASTE PAIL A-256



The neatest and most sanitary waste pail made; convenient for office or operating room.

Consists of an inner waste pail, with bail and handle, which is locked into a circular drum stand, by means of engaging bayonet shaped slots in the upper rim of the holding drum. A turn to the left releases the pail, and a turn to the right locks the pail in the drum stand. The waste pail can be emptied without soiling the hands.

The nickel-plated cover is opened and closed by means of a foot lever and connecting levers attached to the drum stand.

Finished in white enamel and nickel plate.

G-114 The "White Line" Sanitary Waste Pail, capacity 3 gallons.....\$5.00





# AUTOMATIC SANITARY RECEPTACLES FOR

HOSPITALS—PHYSICIANS—DENTISTS

SANITARY  
SAFE  
DURABLE



CONVENIENT  
CLEAN  
ODORLESS

(Patented)

Cut shows receptacle in normal position. Flange of cover overlaps body, making it absolutely odorless.

**OPENS WITH FOOT PRESSURE AND CLOSSES AUTOMATICALLY**

**THREE COAT (BAKED) ENAMEL**

White exterior and interior  
Cover and Handle White

		Weight Packed	Net
No. 40.	3-gallon.....	7 lbs.	\$3.00
No. 41.	6-gallon.....	10 lbs.	3.50
No. 42.	8-gallon.....	12 lbs.	4.00
No. 43.	10-gallon.....	14 lbs.	4.50

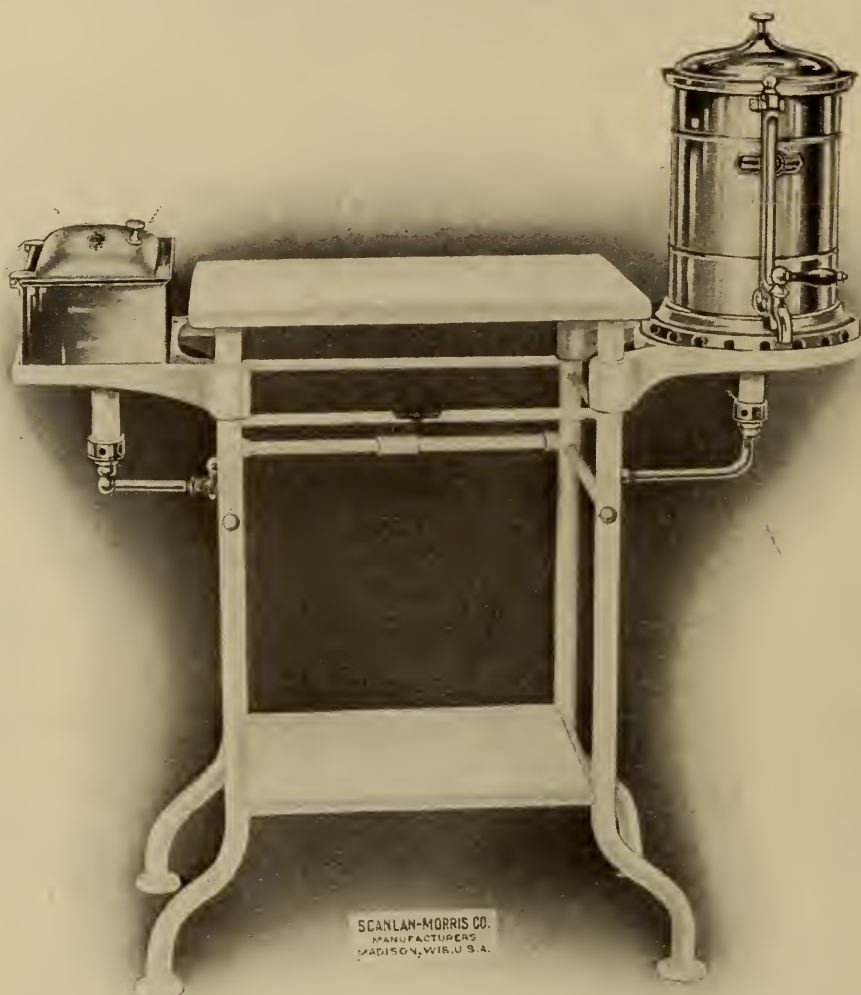
**ALUMINUM FINISH ON GALVANIZED IRON**

		Weight Packed	Net
No. 20.	3-gallon .....	7 lbs.	\$2.25
No. 21.	6-gallon .....	10 lbs.	2.75
No. 22.	8-gallon .....	12 lbs.	3.25
No. 23.	10-gallon .....	14 lbs.	3.75

All pails packed separately in corrugated board carton. Please order by number.

## OFFICE EQUIPMENT

## "WHITE LINE" OFFICE STERILIZERS

**G-282. THE METROPOLITAN A-740****(A Sterilizing Plant for the Physician's or Specialist's Office)**

The sterilizers, mounter in conjunction with a snow-white porcelain enamel "aseptic" table top, are so placed as to be used to the best advantage. The sterilizers, perfect in design and workmanship, are made of heavy copper, polished and nickel-plated.

The Water Sterilizer, made with seamless base and seamless cover, the cover fitting into a water-seal rim; equipped with lever handle faucet and protected water gauge.

Instrument Sterilizer, made with seamless cover and fitted with perforated metal instrument tray.

Table top, snow-white porcelain enamel, "aseptic," 'temperature proof, 16x20 in.

Stand, of tubular steel, finished in white enamel, and fitted with special blue flame gas burners.

Floor space, 40 in. by 20 in.

G-282 The Metropolitan Specialist's Sterilizing Plant; equipped with Instrument Sterilizer 12x6x4 in., and Water Sterilizer of 2-gal. capacity; gas heated..\$47.50

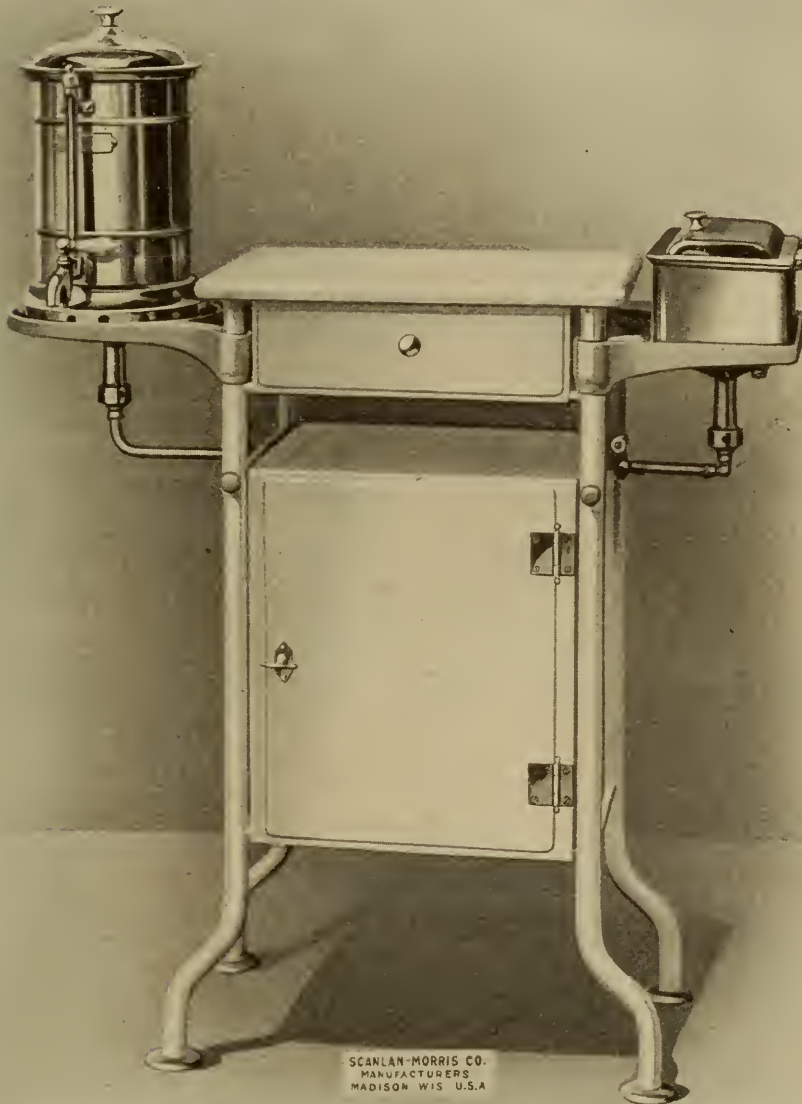
G-284 The Metropolitan Physician's Sterilizing Plant; equipped with Instrument Sterilizer 17½x7½x4 in., and Water Sterilizer of 3-gal. capacity; gas heated ..... 50.00

NOTE—Alcohol or gasoline burners can be furnished where gas is not available at an extra cost of \$4.00.



## OFFICE EQUIPMENT

## "WHITE LINE" OFFICE STERILIZERS

**G-283. THE METROPOLITAN "A" 758**

The Metropolitan "A" outfit is the same as our regular Metropolitan Sterilizing outfit, with the addition of a drawer and cabinet, which will be found of great convenience in the storing of dressings and miscellaneous articles. The cabinet is built of steel, has a close fitting door, and is supplied with a shelf. Dimensions: Height, 17 inches; width, 12 inches; depth, 17½ inches.

The drawer is made of sheet steel; height, 4 inches; width, 11 inches; depth, 17½ inches.

Stand, cabinet and drawer finished in white enamel, hand rubbed and baked, brackets in aluminum bronze.

Top is of porcelain enameled iron, 16x20 inches.

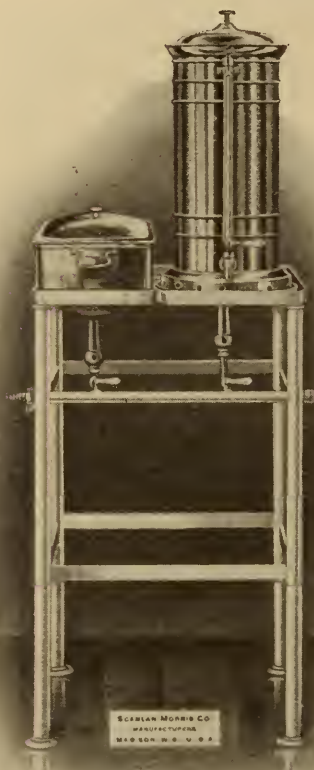
G-283 The Metropolitan "A" Specialist's Sterilizing Plant, with water sterilizer of 2-gal. capacity; instrument sterilizer 12x6x4 inches, with blue flame gas burners .....\$62.50

G-283A The Metropolitan "A" Physician's Sterilizing Plant, with water sterilizer of 3-gal. capacity; instrument sterilizer, 17½x7½x4 inches, with blue flame gas burners..... 65.00

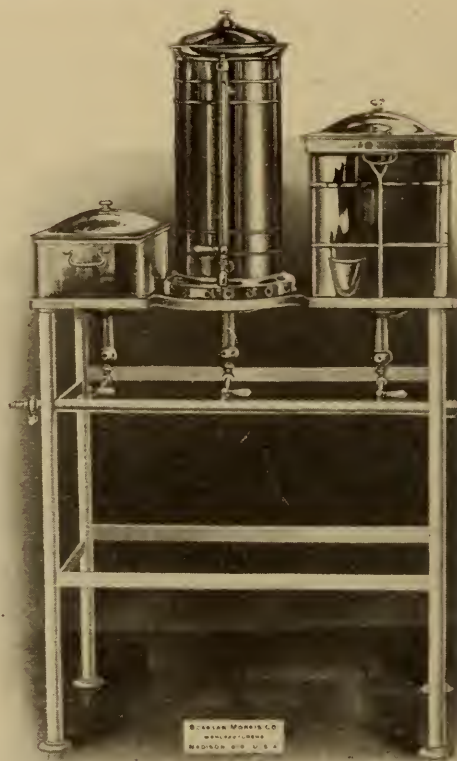
NOTE—Denatured alcohol or gasoline burners can be furnished where gas is not available, at an additional cost of \$4.00. Electric Heating Units can also be furnished when called for. Prices furnished on application.

## OFFICE EQUIPMENT

## "WHITE LINE" STERILIZERS FOR THE OFFICE



G-285  
The Monona



G-290  
The Wisconsin

## THE WISCONSIN

A complete plant for the perfect sterilization of dressings, water and instruments; suitable for the surgeon's office. Perfect sterilization guaranteed.

**Dressing Sterilizer:** Principle of sterilization—overhead down draft, circulating live steam, insuring thorough penetration of all dressings. Dressings rapidly dried after sterilization period is completed. The Sterilizing Chamber is  $17\frac{1}{2} \times 9\frac{1}{2} \times 7\frac{1}{2}$  inches, and is supplied with metal container for handling dressings.

**Water Sterilizer:** Three gallons capacity; equipped with protected water gauge and lever faucet.

**Instrument Sterilizer:** Dimensions,  $17\frac{1}{2} \times 7\frac{1}{4} \times 4$  inches; supplied with metal container for handling instruments.

The sterilizers are made of highly polished copper nickel-plated; all corners are rounded, and the sterilizers are mounted on a white enamel stand of tubular construction fitted with blue flame burners.

## THE MONONA

Office Sterilizing Plant for Instruments and Water. The instrument and water sterilizer are of the same style and size as those used on the Wisconsin outfit.

## THE MADISONIAN

Office Sterilizing Plant for Dressings, Instruments and Water: The Outfit includes one Wisconsin Dressing, one Wisconsin Instrument and two (one for hot and one for cold sterile water) water sterilizers of the same size and style as those used on the Wisconsin outfit.

## PRICES

G-290	The Wisconsin, blue flame gas burners.....net	\$70.00
G-292	The Wisconsin, blue flame gasoline burners.....net	76.00
G-294	The Wisconsin, blue flame denatured alcohol burners.....net	76.00
G-285	The Monona, blue flame gas burners.....net	45.00
G-286	The Monona, blue flame gasoline burners.....net	49.00
G-288	The Monona, denatured alcohol burners.....net	49.00
*G-295	The Madisonian, blue flame gas burners.....net	85.00
*G-296	The Madisonian, blue flame gasoline burners.....net	93.00
*G-298	The Madisonian, blue flame denatured alcohol burners.....net	93.00



## OFFICE EQUIPMENT

## "WHITE LINE" STERILIZERS FOR THE OFFICE

G-302. THE SPECIALIST'S  
STERILIZER

The specialist's sterilizer is designed for the particular use of the eye, ear, nose and throat specialist. The sterilizer is of heavy copper, nickel plated, and is mounted on brass nickel-plated legs. The cover is hinged and close fitting. It is equipped with perforated metal tray for handling the instruments. Dimensions: 12 in. long, 6 in. wide, by 4 in. deep.

G-302 The Specialist's Instrument Sterilizer, gas heated.....\$20.00

G-304 The Specialist's Instrument Sterilizer, electrically heated, with plug and cord for attaching to fixture..... 25.00



G-302-304

G-306. THE PHYSICIAN'S  
OFFICE INSTRUMENT  
STERILIZER

The physician's office instrument sterilizer is designed for general surgical work, and makes a beautiful as well as a practical piece of office equipment.

It is 16 in. long, 4 in. deep and 6 in. wide; is made of highly polished copper, nickel plated, and is mounted on a nickel-plated brass stand of graceful design which rests in a nickel-plated copper tray. The dome-shaped cover is hinged and the sterilizer is supplied with metal container for handling the instruments.

G-306 The Physician's Office Instrument Sterilizer, gas heated.....\$27.50

G-308 The Physician's Office Instrument Sterilizer, electrically heated, complete with plug and cord for attaching to fixture.. 32.50



G-306-308

G-310. THE WISCONSIN INSTRUMENT  
STERILIZER

The Wisconsin instrument sterilizer was designed to meet the demand of the profession for a first-class sterilizer at a low price. We use only the best materials and the same care is exercised in construction that we put into our higher priced sterilizers.

It is made of heavy copper, polished and nickel plated, has perforated nickel-plated copper tray for handling contents. Dimensions: 17½ in. long, 7½ in. wide and 4 in. deep.

Price .....\$12.00

G-311 The Wisconsin Instrument Sterilizer (hinged cover), on white enameled tubular stand with gas burner ..... 30.00

G-311A The Wisconsin Instrument Sterilizer (hinged cover), on white enameled tubular stand, electrically heated ..... 45.00



G-310

## OFFICE EQUIPMENT

## The "Halverson" Electric Sterilizer



**Body** made of heavy copper and nickel plated.

**Handles** at both ends of the lid, protecting the hands from escaping steam.

**Tray** easily removable, rapid draining and automatically lifts with ease, safety and without friction.

**Heating Element** at all times reliable and cannot be burned out even if appliance is allowed to run dry.

**Protecting Plug** automatically breaks the contact as soon as the water is exhausted. A new fuse screw is easily inserted in two minutes.

**Legs** are solid bronze, nickel plated and rubber tipped.

**The Regular Pattern** has no Signal Light.

The last Model is equipped with **one** Signal Light on the bottom of the Dental and Specialist sizes and **two** signal lights on the Physician's size.

The **Light** is an extremely attractive contrivance, out of the way, yet a silent reminder that the current is on.

**Dental Size**, 10 in. long, 4½ in. wide by 3½ in. deep.

**Specialist Size**, 12 in. long, 5½ in. wide by 3½ in. deep.

**Physician's Size**, 15½ in. long, 6½ in. wide by 3¾ in. deep.



**REGULAR PATTERN**  
Without Signal Light

R-11.	Dental Size, 110 volt.....	\$22.50
R-12.	Specialist Size, 110 volt.....	25.00
R-13.	Physician's Size, 110 volt....	30.00
R-24.	Dental Size, 220 volt.....	25.00
R-25.	Specialist Size, 220 volt.....	27.50
R-26.	Physician's Size, 220 volt....	32.50

**LAST MODEL**  
With Signal Light

L-11.	Dental Size, 110 volt.....	\$25.00
L-12.	Specialist Size, 110 volt.....	27.50
L-13.	Physician's Size, 110 volt....	35.00
L-24.	Dental Size, 220 volt.....	27.50
L-25.	Specialist Size, 220 volt.....	30.00
L-26.	Physician's Size, 220 volt....	37.50

Extra fuse screws, 25 cts; extra protecting plug, 50 cts.

Extra signal lamp, 110 volt, 35 cts.; for 220 volt, 60 cts.

Six feet of silk cord, with separable attachment plug, furnished with each sterilizer.



## "WHITE LINE" OFFICE EQUIPMENT



### G-350. OFFICE EQUIPMENT, GROUP "A"

Group "A" (White Line Office Equipment) consists of a "Paragon" Examining Table (A-42), Combined Irrigator and Basin Stand (A-228), Instrument Table (A-168), and Operator's Stool (A-200).

An attractive outfit at a moderate cost, that is neat in appearance, clean, and easy to keep clean.

G-350	"White Line" Office Equipment (Group "A"), white enamel finish.....	\$69.00
G-352	"White Line" Office Equipment (Group "A"), mahogany finish.....	76.00
G-354	"White Line" Office Equipment (Group "A"), oak finish.....	76.00

## “WHITE LINE” OFFICE EQUIPMENT



### G-362. OFFICE EQUIPMENT, GROUP “C”

Group “C” (White Line Office Equipment) consists of a “Paragon” Examining Table (A-42), with waterproof cushions, Combined Irrigator and Basin Stand (A-228), Instrument Table (A-168), Operator’s Stool (A-200), “White Line” Sanitary Waste Pail (A-256), Princess Instrument Cabinet, with drawers (A-912), and the Metropolitan Sterilizing Plant (A-750).

G-362 “White Line” Office Equipment (Group C), white enamel finish.....	\$187.50
G-362A “White Line” Office Equipment (Group C), mahogany finish.....	201.50
G-362B “White Line” Office Equipment (Group C), oak finish.....	201.50

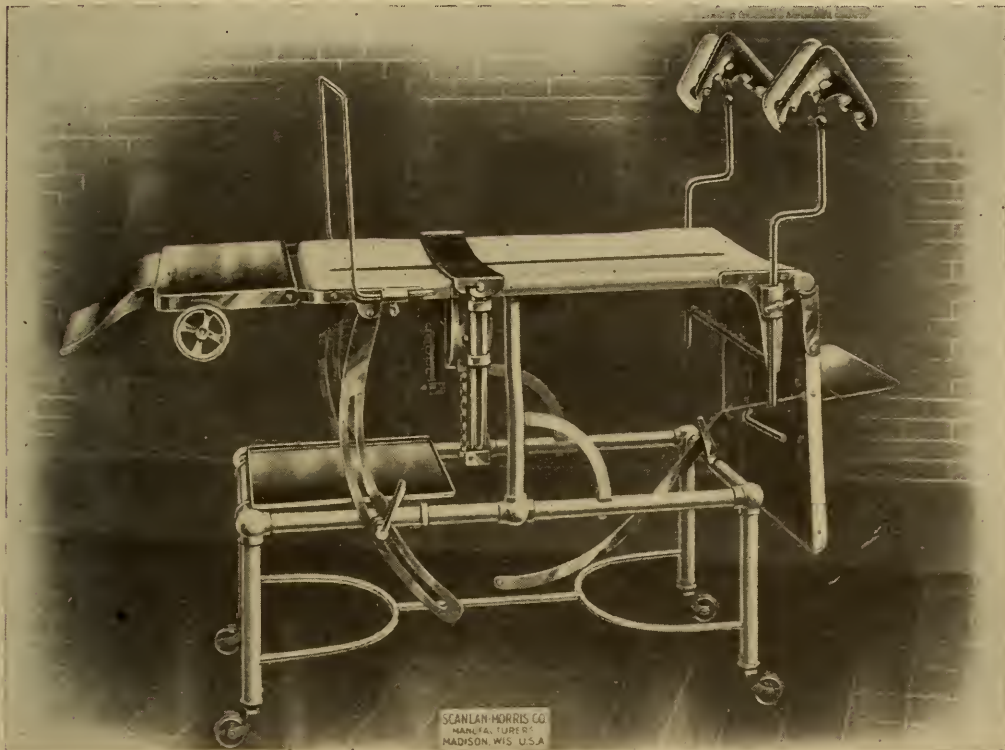
### \*G-356. OFFICE EQUIPMENT, GROUP “B”

Group “B” (White Line Office Equipment) consists of a “Paragon” Examining Table (A-42), with waterproof cushions, Combined Irrigator and Basin Stand (A-228), Instrument Table (A-168), Operator’s Stool (A-200), “White Line” Sanitary Waste Pail (A-256), and the Princess Instrument Cabinet (A-910).

A group of Modern Steel Equipment, that is attractive, clean and easily kept clean.

G-356 “White Line” Office Equipment (Group “B”), white enamel finish.....	\$140.00
G-358 “White Line” Office Equipment (Group “B”), mahogany finish.....	154.00
G-360 “White Line” Office Equipment (Group “B”), oak finish.....	154.00



**"WHITE LINE" HOSPITAL EQUIPMENT****OPERATING TABLES****G-472-474****GYNECOLOGICAL POSITION****(Table Fitted with Bierhoff Knee Crutches)****"WHITE LINE" PORCELAIN ENAMELED TOP OPERATING TABLES**

This type of "White Line" operating table has been on the market for so long, and has given such universal satisfaction, that it is unnecessary for us to go into a detailed description.

The tables as shown are an improvement on our original type of tables, rendered necessary by the positions required in late surgery.

The center section and foot piece are coated with porcelain enamel.

The adjustable head piece is made of brass, polished and heavily nickel plated.

The frame is of tubular construction, well braced throughout and finished in white enamel.

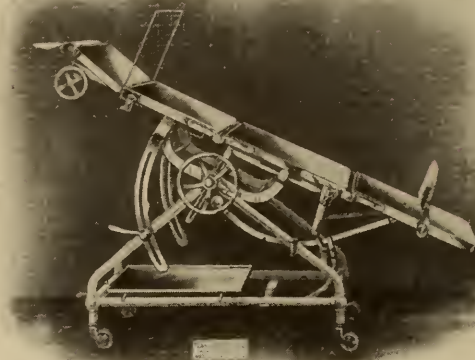
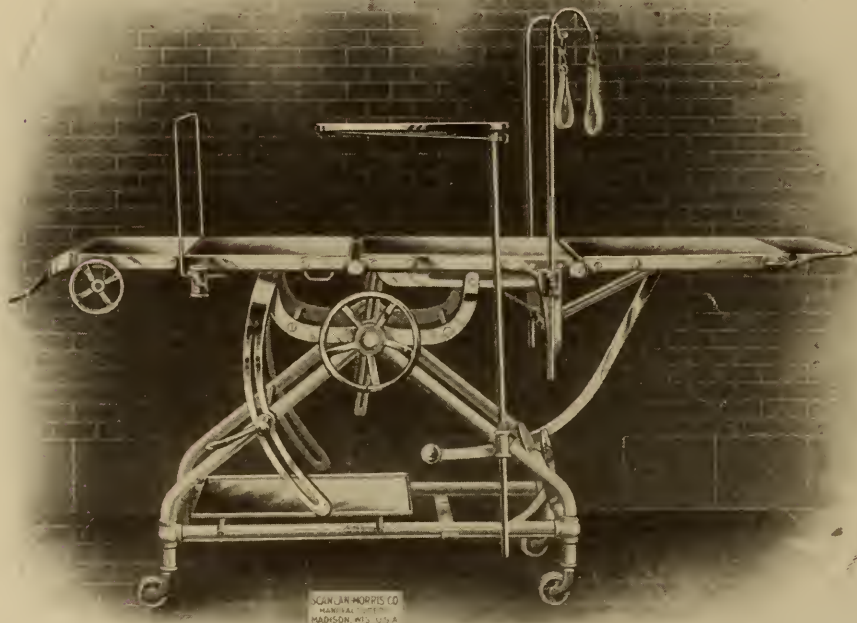
The foot rest is adjustable up or down on the foot piece of the table.

The tables are complete with adjustable shoulder crutches, Mayo Goitre attachment, Anaesthetizer's Screen, Shelf for sundries, and removable foot rest.

*G-466	"White Line" Porcelain Enameled Top Operating Table, No. 1, plain top.	\$125.00
*G-467	"White Line" Porcelain Enameled Top Operating Table, No. 2, longitudinal drain .....	125.00
*G-468	"White Line" Porcelain Enameled Top Operating Table, No. 3, longitudinal and lateral drain.....	125.00
*G-472	"White Line" Porcelain Enameled Top Operating Table, No. 1, with adjustable body elevator.....	155.00
G-473	"White Line" Porcelain Enameled Top Operating Table, No. 2, with adjustable body elevator.....	155.00
*G-474	"White Line" Porcelain Enameled Top Operating Table, No. 3, with adjustable body elevator.....	155.00

## WHITE LINE HOSPITAL EQUIPMENT

### OPERATING TABLES



#### G-502. "MINNESOTA" OPERATING TABLE, No. 3

The "Minnesota" Operating Table, No. 3, embodies the most advanced mechanical ideas in table design and construction.

The table can be placed in all positions, and is always under the control of the anaesthetizer from the head of the table.

The table gives all positions used in advanced surgery, Trendelenburg, Reverse Trendelenburg, central body elevation, gynecic and horizontal.

The top is made of heavy copper, polished and heavily nickel plated.

The frame is of tubular construction, well braced. The frame is finished in white enamel. The fittings are of brass and steel, polished and heavily nickel plated.

Head piece is adjustable by means of screw and travelling nuts; foot rest adjustable the entire length of foot piece.

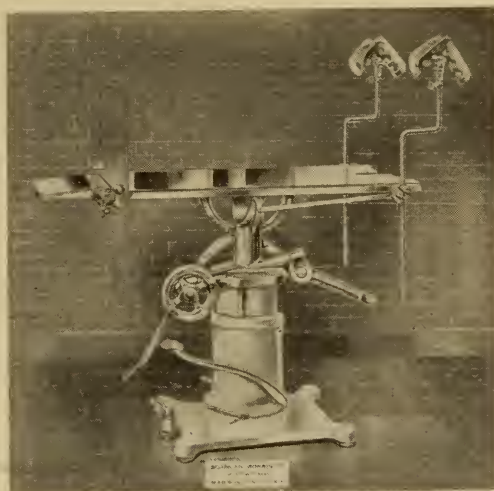
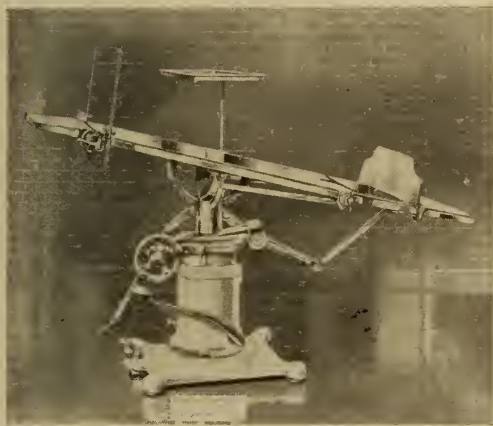
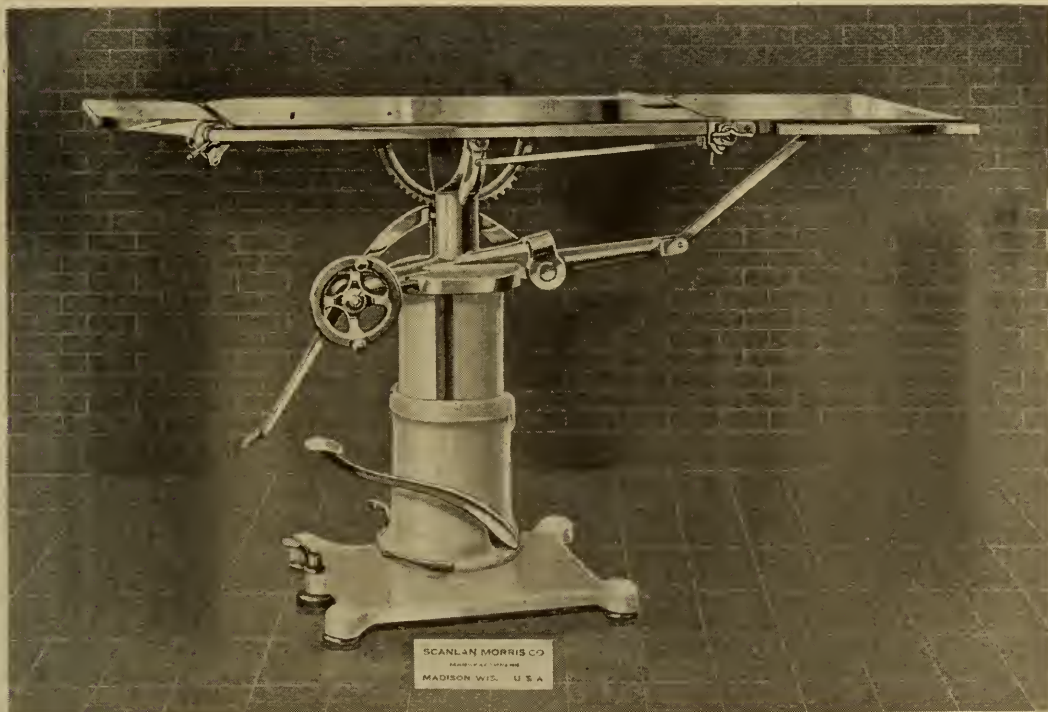
The table is complete with Mayo Instrument Rack, Mayo Goitre Attachment, Mayo Adjustable Head Rest, Adjustable Foot Support, Anaesthetizer's Screen, Leg Holders and shelf for anaesthetizer's sundries.

G-502 "Minnesota" Operating Table, No. 3, complete as described.....Net \$200.00



## WHITE LINE HOSPITAL EQUIPMENT

## OPERATING TABLES

**G-492. THE "BALFOUR" OPERATING TABLE (MINNESOTA NO. 4)**

This table represents the very latest and highest type of table construction. It was designed by Dr. Balfour, of the Staff of Drs. Mayo, St. Mary's Hospital, Rochester, Minn., and is without doubt the best and most convenient table ever placed upon the market.

All positions are secured from the head of the table; all locks are positive; all levers travel with the pedestal of the table, and are always within reach of the anaesthetizer's foot, no matter in what direction the top has been revolved; a foot lever releases and locks the dog acting in conjunction with the toothed sector, securing angulation of the table top; a foot lever raises the table without effort from 34 to 42 inches in height; another foot lever lowers the top; another foot lever controls the revolving of the pedestal and top on its base; a hand wheel operating a worm gear in connection with the bracketed hinged arm supporting the foot piece, controls the dropping of the foot piece.

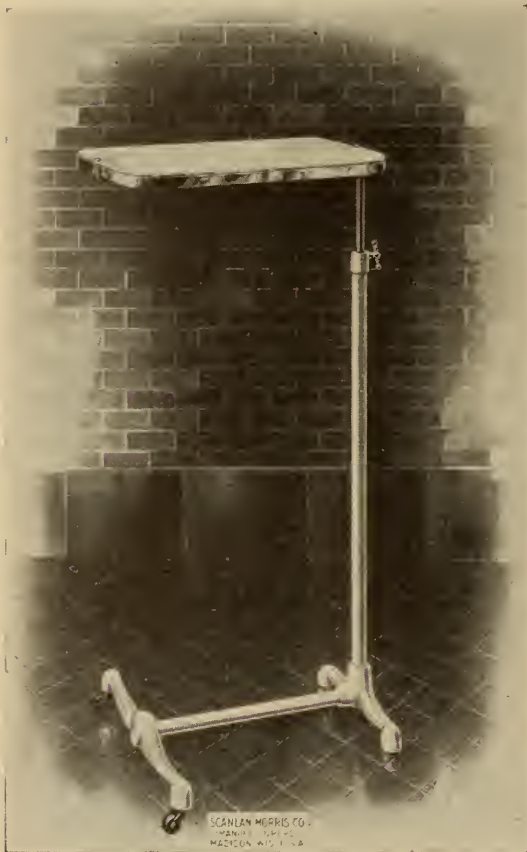
Top is made of Benedict nickel (non-corrosive), head piece is adjustable and locked at any angle by a simple ingenious mechanism, body elevator travels along entire center section of table and is elevated by means of worm gear.

The "Balfour" Table is complete with Mayo adjustable head piece, Mayo goitre attachment, instrument rack, adjustable elevator with sliding horns, Bierhoff knee crutches, shoulder crutches, clamps for wristlets or wrist bandages, and anaesthetizer's screen.

G-492 The "BALFOUR" Table, Minnesota No. 4, complete as described.....\$450.00

## HOSPITAL EQUIPMENT

## "WHITE LINE" OPERATING ACCESSORIES



G-510



G-512

**G-510. MAYO INSTRUMENT RACK**

Mayo Instrument Rack is made with a low base that will slide under the operating table, and bring up over the patient the porcelain enamel tray that holds the instruments. The porcelain enamel tray (removable) is fitted into nickel-plated steel frame that can be raised or lowered and adjusted to suit the convenience of the operator.

Price .....\$10.00

**G-512. MAYO INSTRUMENT RACK**

Mayo Instrument Rack is made with a U-shaped base of bent steel tubing. The U-shaped base can be pushed under the operating table or around the legs of the operating table, bringing the porcelain enamel instrument tray exactly where the surgeon finds it most convenient. The porcelain enamel instrument tray (removable) is fitted into a nickel-plated steel frame that can be raised or lowered to suit the convenience of the operator. The U-shaped base is mounted on ball-bearing rubber casters.

Price .....\$12.50

**G-505. MAYO INSTRUMENT RACK**

This rack is the same as the G-510, without the base. The steel rod can be fitted into the lugs of the operating table, that hold the leg holder, and can be adjusted up or down.

Price .....\$7.50

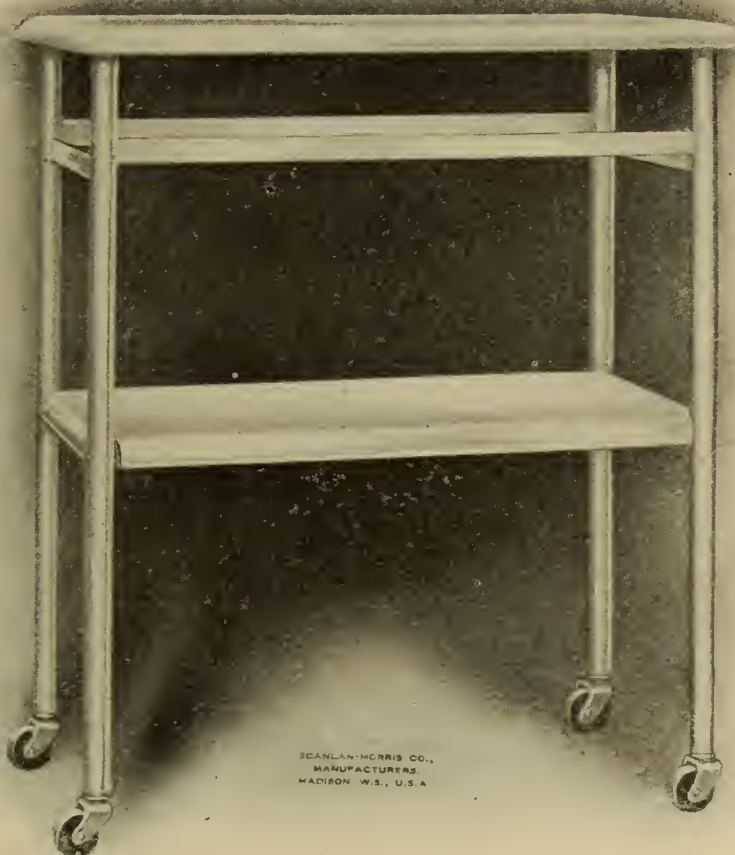
**SUNDRIES**

G-515	Anaesthetizer's Screen, to clamp to any operating table.....	\$ 5.00
G-512	Adjustable Shoulder Crutches.....	5.00
G-514	Bierhoff Knee Crutches, modified.....	15.00



## HOSPITAL EQUIPMENT

## "WHITE LINE" INSTRUMENT TABLES



SCANLAN-MORRIS CO.,  
MANUFACTURERS,  
MADISON WIS., U.S.A.

**"WHITE LINE" PORCELAIN ENAMEL "ASEPTIC" TOP INSTRUMENT TABLES**

These tables are without doubt the best that have been designed up to the present time for hospital use. They are rapidly replacing the glass top tables, as the annual expense for glass breakage in large institutions using glass top tables is enormous.

The tops and shelves are made of special castings and are coated with a **pure snow-white porcelain** enamel, vitrified to the casting at a temperature of 1600 degrees Fahrenheit. They are temperature proof and are practically indestructible. They look clean, are easy to keep clean and can be made surgically aseptic. All corners and edges are rounded.

The frames are of tubular construction, **rigid** and **strong**. Our construction eliminating all corners or crevices. They are mounted on lignum vitae casters or rubber tips, as ordered. We will furnish with casters when not otherwise specified.

G-530	"White Line" Instrument Table, A-102, size 16x20 inches, porcelain enameled top and shelf .....	\$12.00
G-535	"White Line" Instrument Table, A-104, size 16x30 inches, porcelain enameled top and shelf .....	20.00
G-540	"White Line" Instrument Table, A-106, size 18x33 inches, porcelain enameled top and shelf.....	25.00
G-545	"White Line" Instrument Table; A-108, size 24x36 inches, porcelain enameled top and shelf.....	31.00
G-546	"White Line" Instrument Table, A-110, size 20x48 inches, porcelain enameled top and shelf.....	45.00

## HOSPITAL EQUIPMENT

**"WHITE LINE" GLASS TOP INSTRUMENT TABLES****"WHITE LINE" INSTRUMENT TABLES WITH GLASS TOPS**

Our Instrument Tables with glass tops and shelves are designed and constructed on the same lines as our "White Line" Porcelain Enamel Top Tables.

The tops and shelves are of heavy plate glass, having polished and beveled edges. They rest on rubber tips and are held firmly in position by special claw corner castings.

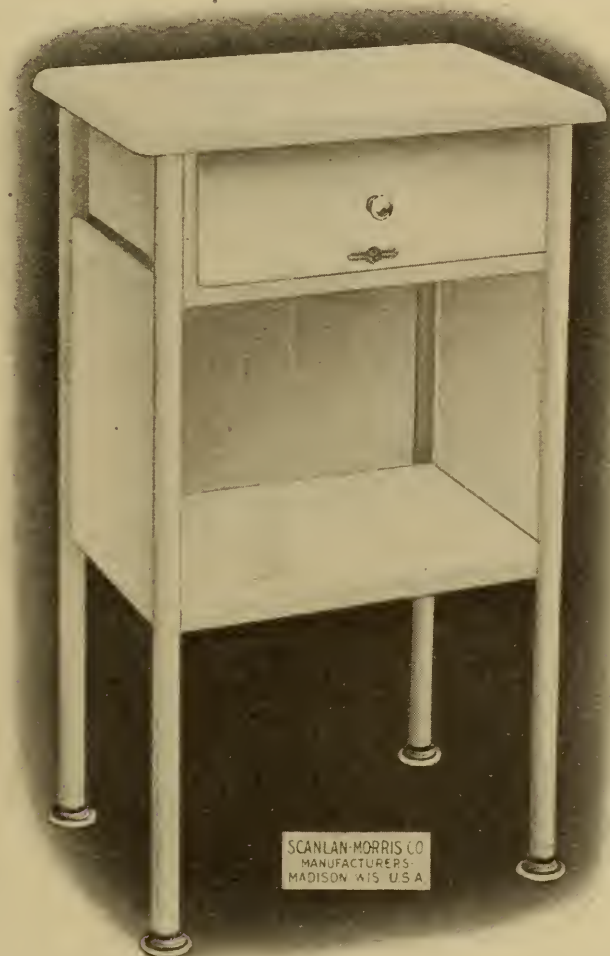
The frames are of tubular construction, are strong and rigid, are mounted on Lignum Vitae casters or rubber tips, and are finished in white enamel, hand rubbed and baked.

G-570	"White Line" Instrument Table, A-150, 16x20 inches, with plate glass top and shelf.....	\$ 9.00
G-575	"White Line" Instrument Table, A-152, 16x30 inches, with plate glass top and shelf.....	15.00
G-580	"White Line" Instrument Table, A-154, 18x33 inches, with plate glass top and shelf.....	18.00
G-585	"White Line" Instrument Table, A-156, 24x36 inches, with plate glass top and shelf.....	25.00



## HOSPITAL EQUIPMENT

## "WHITE LINE" MODEL WARD TABLES

**G-603. THE MODEL WARD TABLE****(With drawer and with three sides enclosed)**

The "Model" Ward Table is the neatest, cleanest, and best constructed table made. The top is of Porcelain Enameled iron, the screens and shelf of sheet steel, and the frame of tubular construction, well braced and mounted on rubber tips, lignum vitae casters or sliding shoes.

The table is finished in white enamel, hand rubbed and baked.

G-596	The "Model" Ward Table, 16x20 in., porcelain enameled top and sheet steel shelf .....	\$10.00
G-605	The "Model" Ward Table, 16x20 in., porcelain enameled top and sheet steel shelf, with screen at back.....	11.00
G-615	The "Model" Ward Table, 16x20 in., porcelain enameled top and sheet steel shelf, with screens at back and two sides.....	12.00
G-598	The "Model" Ward Table, 16x20 in., porcelain enameled top and sheet steel shelf, and with steel drawer.....	12.00
G-603	The "Model" Ward Table, 16x20 in., porcelain enameled top and sheet steel shelf, with steel drawer, and screens at side and back.....	15.00

## HOSPITAL EQUIPMENT

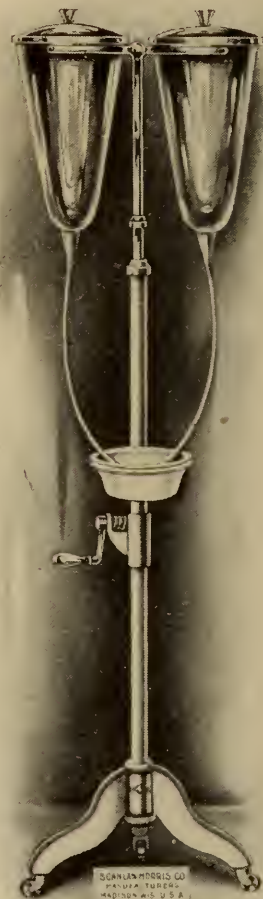
## "WHITE LINE" IRRIGATORS



G-690



G-702



G-700

**\*G-685. SINGLE IRRIGATOR STAND A-240**

Irrigator Stand, plain, for hanging steel porcelain irrigators or soft rubber fountain syringe bags, made of tubular iron, on tripod base equipped with rollers, and finished in white enamel.....\$6.50

**G-690. DOUBLE IRRIGATOR STAND A-244**

This stand is made of tubular wrought iron, mounted on tripod base with rollers, and finished in white enamel. Equipped with two 1½-gallon irrigators, complete with nickel-plated bails and covers, tubing, cut-offs, nozzles and basin for holding nozzles .....\$22.00

**\*G-692. SINGLE IRRIGATOR STAND A-242**

This stand is made similar to our A-244 stand, but is furnished with single irrigator rod and irrigator. Price.....\$16.00

**G-700. "WHITE LINE" IMPROVED IRRIGATOR STAND A-246**

Made of tubular wrought iron, mounted on heavy base, with large rubber casters, suspension rings and basin for holding irrigating nozzles, and rigid iron semi-circular collars for holding the irrigators. Adjustable, with worm gear and crank attachment. Complete, with two 1½-gallon irrigators, having nickel-plated covers, tubing, nozzles and cut-offs. The ease with which the irrigators can be placed in position or removed, the rigid position in which they are held in the rings, and the smooth working method of raising and lowering make this the best type of irrigator on the market. Price..\$30.00

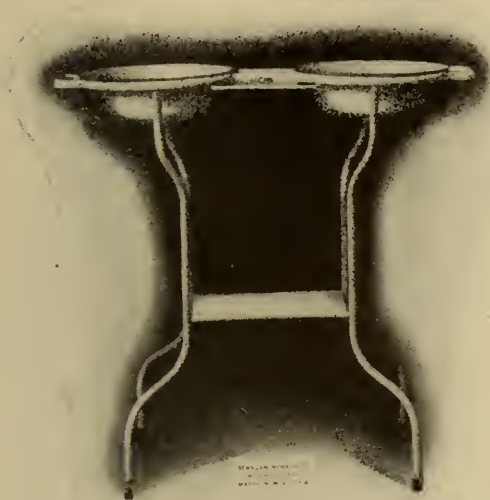
**\*G-702. "WHITE LINE" COMBINED IRRIGATOR AND BASIN STAND**

This is an ideal stand where floor space is contracted. It is a combination of our A-224 Basin Stand and A-242 Irrigator. Finished in white enamel and nickel plate, and furnished complete as indicated.

Price .....\$18.00



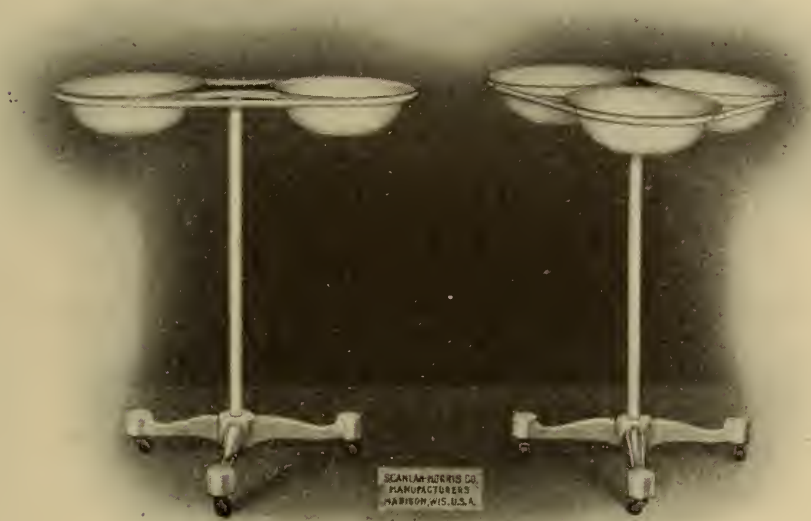
HOSPITAL EQUIPMENT



G-656



G-655



G-660

G-665

“WHITE LINE” BASIN STANDS

G-655	“White Line” Basin Stand, A-220, single, with one 14-in. basin.....	\$ 6.00
G-656	“White Line” Basin Stand, A-222, double, with two 14-in. basins.....	10.00
G-660	“White Line” Basin Stand, A-224, double, revolving, with two 14-in. basins .....	9.00
G-665	“White Line” Basin Stand, A-226, triple, revolving, with three 14-in. basins .....	12.00

“WHITE LINE” IMMERSION STANDS

*G-670	“White Line” Arm Immersion Stand, A-232, McBurney pattern, furnished with a deep crystal bowl, 9x15 in., fitting into a steel stand, mounted on rollers and finished in white enamel, hand rubbed and baked.....	\$10.00
*G-672	“White Line” Arm Immersion Stand, A-234, McBurney pattern, with 2 deep crystal bowls, 9x15 in.....	15.50
*G-675	“White Line” Combined Basin and Immersion Stand, A-230, revolving, furnished with a deep crystal bowl, 9x15 in., and two 14-in. porcelain enameled steel basins fitting into a revolving frame, mounted on heavy tripod base on casters. Finished in white enamel, hand rubbed and baked .....	20.00

## HOSPITAL EQUIPMENT

### HAND CARRYING STRETCHERS

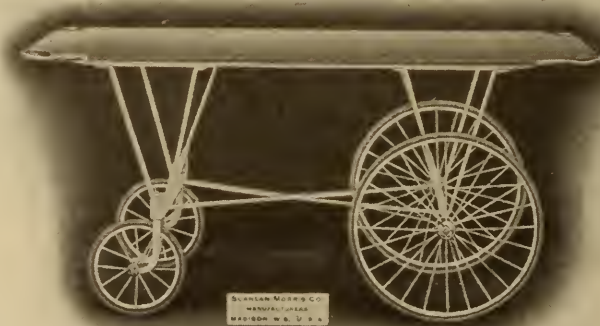


THE "UNITED STATES" ARMY LITTER, No. 100

The United States Army or Government Litter is used the world over. What we offer you is the latest improved pattern, as adopted by the Medical Department of the United States Army. The wood work all air-dried white ash; the feet malleable iron; the braces forged steel; the duck 12 oz. double filled, brown or khaki; all the iron work is tinned.

G-785	"United States" Army Litter .....	\$ 7.00
G-786	"United States" Army Litter, with slings .....	10.00
G-787	"United States" Army Litter, slings only, per pair.....	3.00

### WHEEL STRETCHERS



G-775

#### G-775. "WHITE LINE" WHEEL STRETCHER, A-300

This has proven one of the most popular as well as one of the best stretchers produced at a moderate cost.

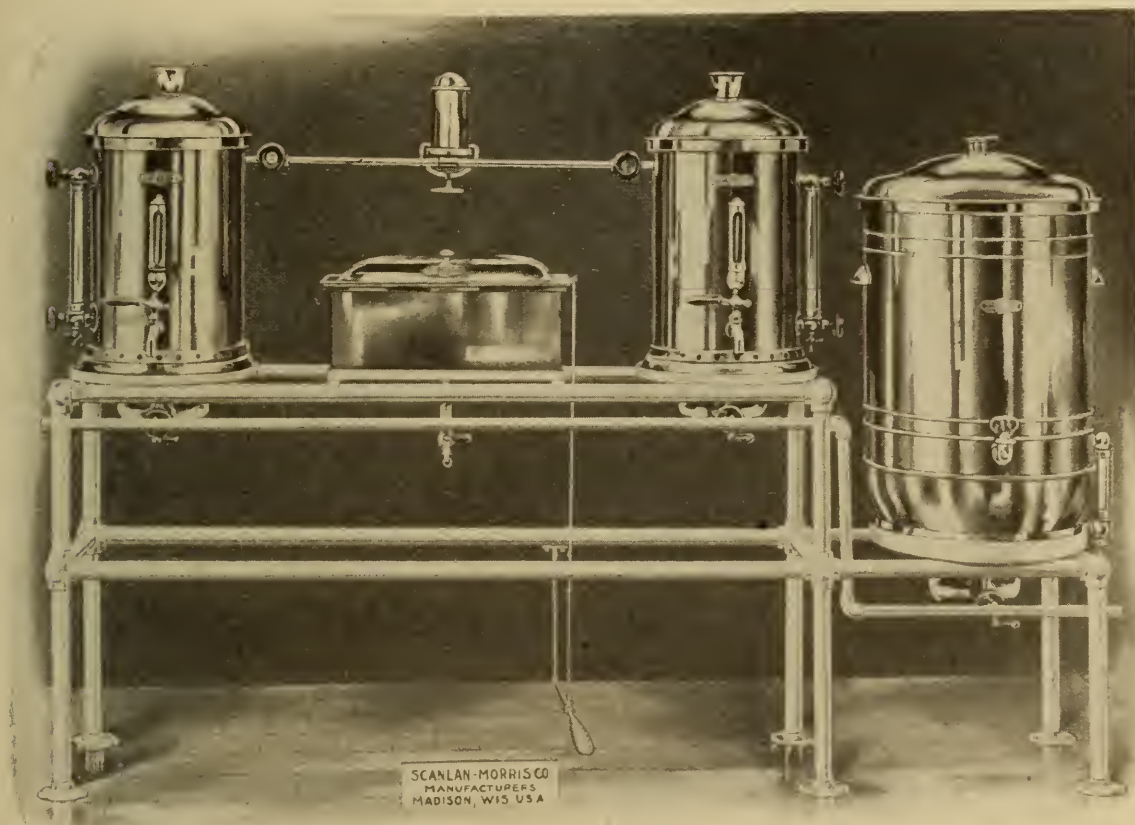
The frame is of steel, braced in a manner to give the greatest strength and rigidity. The wheels are of the strong steel suspension type, ball bearing with  $\frac{3}{4}$ -inch cushioned rubber tires. Guaranteed not to work loose. Forks are of hand forged steel. The top is of selected oak, furnished with nickel-plated carrying handles. Finish of frame in white enamel. The top in natural grain.

G-775	"White Line" Wheel Stretcher, A-300.....	\$50.00
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## HOSPITAL EQUIPMENT

## "WHITE LINE" STERILIZERS

**G-920. THE DOMINION STERILIZING OUTFIT**

To meet the demand for a reasonable priced sterilizing outfit to be used by the smaller hospitals, sanitariums, and factories having emergency operating or first aid rooms, where the surgical work is not particularly heavy.

We guarantee them to give perfect surgical sterilization. We make them to use steam, gas or gasoline as heating medium.

The Dominion Sterilizing Outfit includes: Scanlan Dressing Sterilizer. Principle of sterilization; overhead, down draught circulating live steam. Dressing thoroughly dried after sterilization.

Hot and cold water sterilizers, eight gallons each, equipped with water filter, thermometer, gauge glasses, etc.

Instrument Sterilizer 16x8x6 with perforated metal tray for handling contents.

Sterilizers made of heavy copper, nickel-plated, mounted on white enameled stand, equipped with special blue flame burners, gas or gasoline, or denatured alcohol, as specified.

G-915 "The Dominion" Sterilizing Outfit, A-614, complete with two 8-gallon water sterilizers, one Scanlan medium sized dressing sterilizer, and one instrument sterilizer, 16x6x6 inches, gas heated.....\$225.00

G-920 "The Dominion" Sterilizing Outfit, A-614, complete with two 8-gallon water sterilizers, one Scanlan large sized dressing sterilizer, and one instrument sterilizer, 16x6x6 inches, gas heated..... 240.00

Equipped with gasoline burners, extra..... 15.00

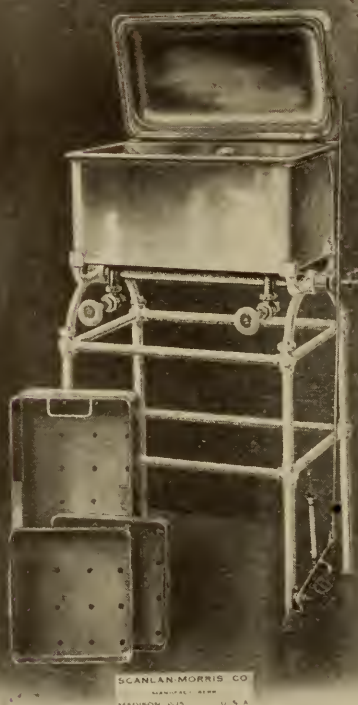
G-895 "White Line" Sterilizing Outfit, A-624, consisting of two 8-gallon water sterilizers, and one instrument sterilizer, 16x6x6 inches, mounted on stand, gas heated..... 150.00

Equipped with gasoline burners, extra..... 15.00

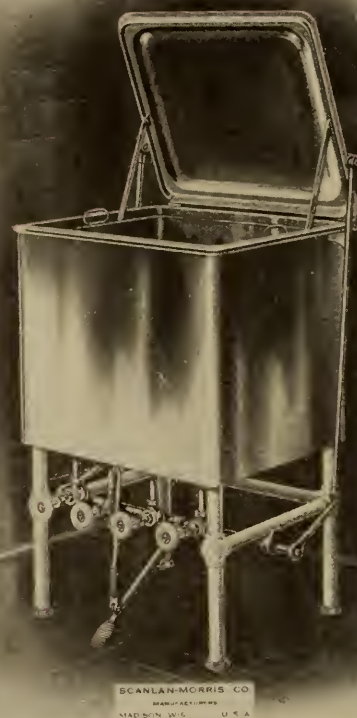
This outfit is practically the same as the "Dominion" outfit described above, without the dressing sterilizer.

## HOSPITAL EQUIPMENT

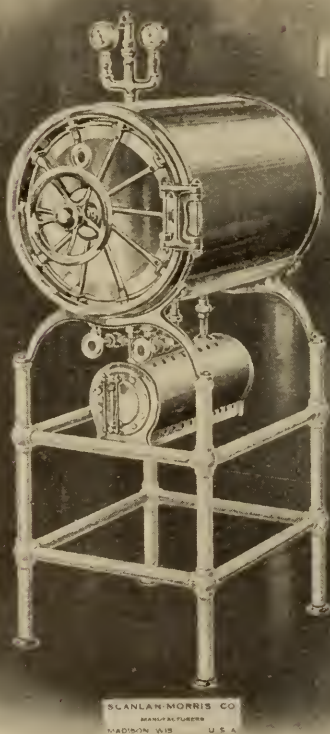
### "WHITE LINE" HIGH PRESSURE STERILIZERS



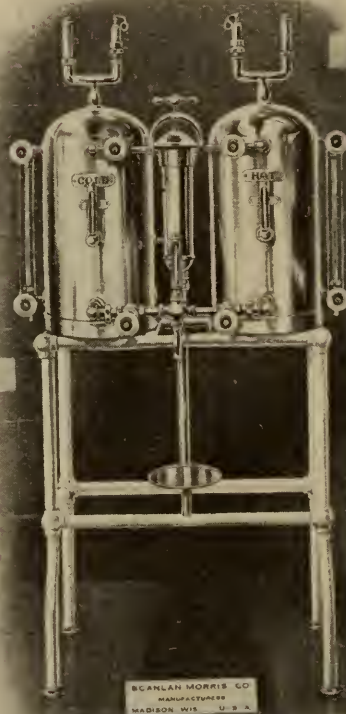
**Instrument Sterilizer**



**Utensil Sterilizer**



**Dressing Sterilizer**

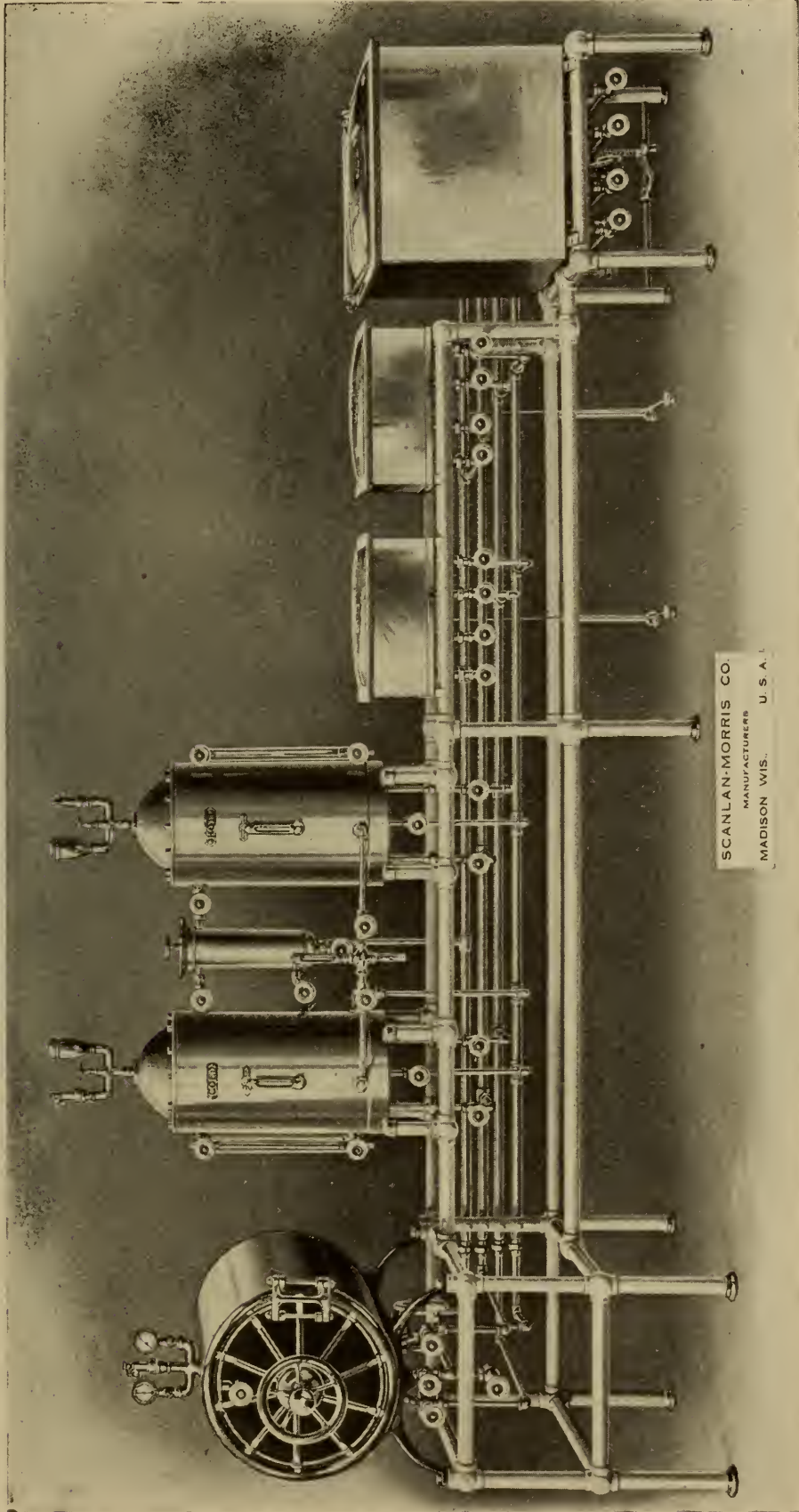


**Water Sterilizer**

The complete catalogue of "White Line" Hospital Furniture and Sterilizing Apparatus mailed upon request.



## "WHITE LINE" HIGH PRESSURE STERILIZERS



### BATTERY OF "WHITE LINE" HIGH PRESSURE STERILIZERS MOUNTED ON ONE STAND

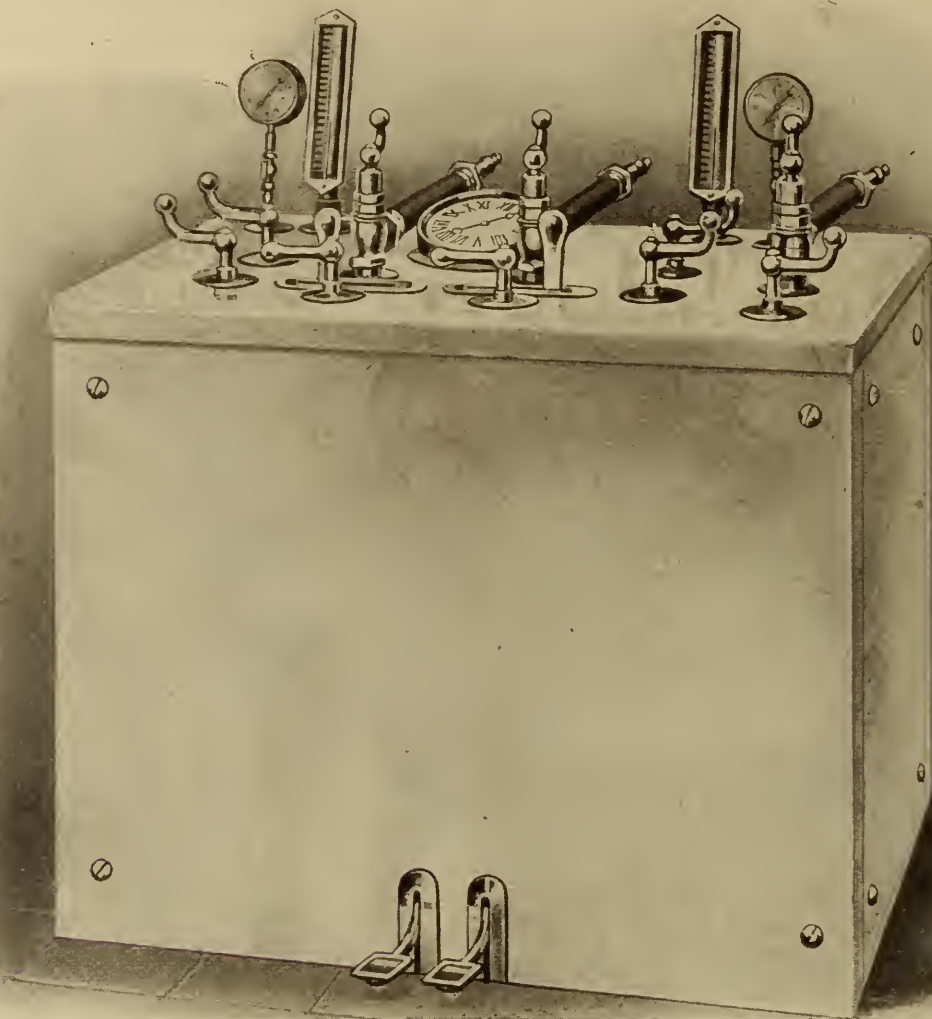
Installation, St. Mary's Hospital (Mayo Clinic), Rochester, Minn.

We handle high pressure sterilizer battery combinations to meet all conditions, using steam, gas, or electric heating units as specified. Plans for piping or wiring, as per the architect's plans and specifications, furnished without charge. We solicit your inquiries. If interested send for complete catalogue.

SCANLAN-MORRIS CO.  
MANUFACTURERS  
MADISON WIS. U. S. A.

## HOSPITAL EQUIPMENT

### WOLFF'S HYDRO-THERAPEUTIC APPARATUS



**G-810. "WOLFF" CONTROLLING TABLE, W-202**

"Wolff" Controlling Table of Italian marble, arranged with two mixing chambers, two Scotch douches with valves, one steam douche with valve, valve for needle sprays and valve for shower, with one special high class clock with jewel bearings, two special nickel-plated brass thermometers, one for each mixing chamber, two nickel-plated brass water pressure gauges, electric alarm connection to each mixer to indicate excess of temperature, nickel-plated pedal drain valve for each mixer and two sets of quick opening douche valves cross-connected. The electric alarm device is contained in a small marble wall cabinet with marble doors and heavy nickel-plated hinges. All valves are of the quick opening type.

The table is equipped with double marble doors and heavy hinges and lock so that interior of table is easily accessible.

Dimensions: Length, 36½ inches; width, 27 inches; height, 32 inches.

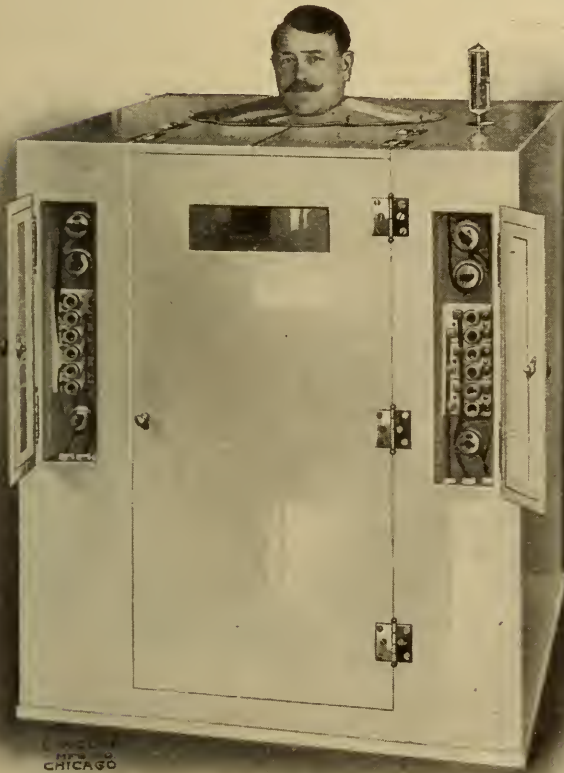
Write for prices.



## HOSPITAL EQUIPMENT

## "Wolff" Electric Light Cabinet

G-815. "WOLFF" ELECTRIC LIGHT CABINET, W-267



The "Wolff" White Enameled Steel Electric Light Cabinet made of a heavy grade of steel and thoroughly insulated with asbestos. It is provided with one Front Door with Inspection Panel of heavy plate glass, hung on heavy Nickel Plated Cast Brass Hinges and secured by a heavy Nickel Plated Cast Brass Latch; in addition it has two top Doors hung on Nickel Plated Cast Brass Hinges. The front face of the cabinet is provided with two Fuse and Switch Boxes set flush with its surface with Doors equipped with heavy Nickel Plated Cast Brass Hinges and Latches. The entire cabinet is built in two sections to facilitate installation.

There are in the equipment of this Cabinet 54 White and 16 Blue Incandescent Electric Lamps. All of the Blue Lamps and 50 of the White Lamps are arranged in perpendicular series on the walls of the interior and four of the White Lamps are set in the Foot

Boxes in the floor properly protected by perforated Aluminum Plates.

We have incorporated the Blue Lamps in our equipment because of the greater Radio Activity claimed for the Violet of Actinic Rays transmitted through this color of lamp. The highest type of insulation has been employed in wiring this cabinet and the arrangement of switches gives perfect control of the lighting system.

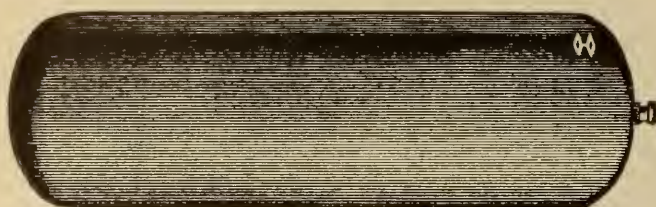
The Plate Glass Mirrors which line the Perpendicular Surfaces of the interior of the cabinet are arranged octagonally, thus securing a concentration of the reflected rays of light at the central spot occupied by the patient.

In addition the "Wolff" Cabinet is equipped with a Canvas Neck Shield with Nickel Plated Gromets to slip over the hooks on the top of the cabinet, a Nickel Plated Cast Brass Thermometer for registration of the temperature in the cabinet and an Enameled Steel Revolving Stool.

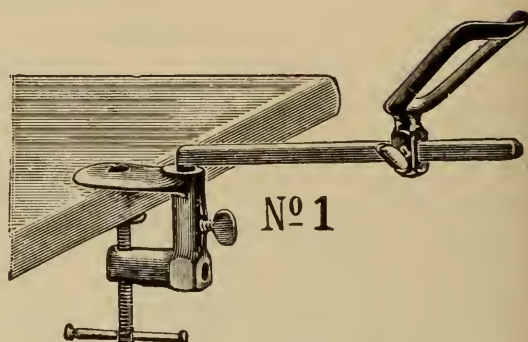
The "Wolff" Electric Light Cabinet is so arranged that connection can easily be made with the regular house circuit.

Write for prices.

## RUBBER OPERATING CUSHIONS



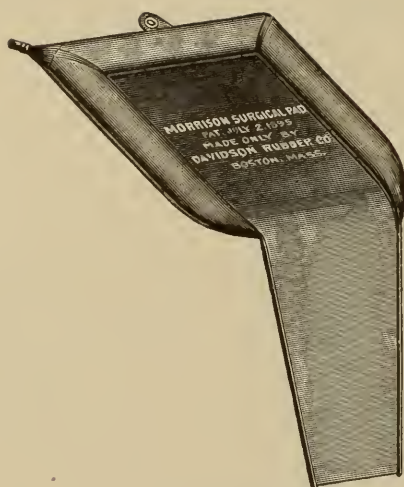
G-362



G-420-421



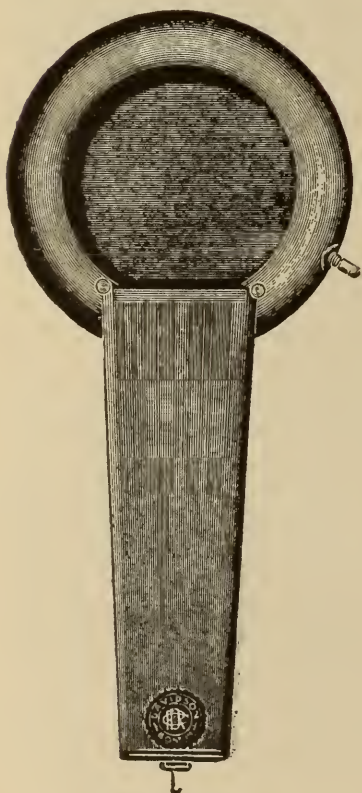
G-416



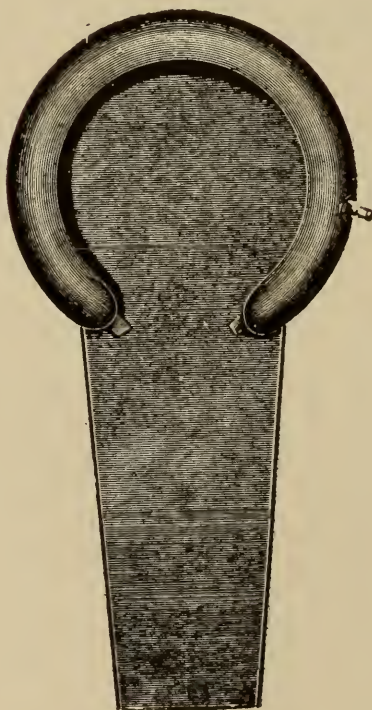
G-400-406



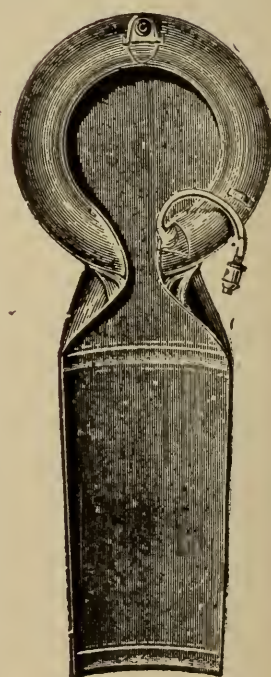
G-410-415



G-380-386



G-370-376



G-355-360



## SURGICAL SUNDRIES

## LEG HOLDERS

*G-430	Edebohl's, Jointed, plated clamps .....	per pair	\$10.50
*G-431	Edebohl's, Jointed, bronzed clamps .....	per pair	9.00
*G-432	Solid Rod, plated clamps .....	per pair	7.00
*G-433	Solid Rod, bronzed clamps .....	per pair	6.00

## STIRRUPS

G-420	Haslam's, plated clamps .....	per pair	8.00
G-421	Haslam's, bronzed clamps .....	per pair	6.75
*G-422	Morgan's, rotary, for foot or head, plated clamps.....	per pair	12.00
*G-424	Morgan's, rotary, for foot or head, bronzed clamps.....	per pair	8.00

Circular of Morgan's Stirrups on Application.

## COMBINATION LEG HOLDERS AND STIRRUPS

*G-434	Edebohl's, jointed leg holders, stirrups and plated clamps.....	per set	14.50
*G-436	Edebohl's, jointed leg holders, stirrups and bronzed clamps.....	per set	13.00
*G-438	Solid Leg Holders, stirrups and plated clamps.....	per set	11.50
*G-442	Solid Leg Holders, stirrups and bronzed clamps.....	per set	9.75

## REPORT CLIP

G-444	Haslam's .....	per dozen	2.00
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## SURGEON'S OPERATING CUSHIONS

G-362	Edebohl's, kidney .....	4.50
G-355	Hygeia, reversible, 20 in. wide, 44 in. long.....	5.00
G-360	Hygeia, reversible, 24 in. wide, 44 in. long.....	5.50

## KELLY OPERATING CUSHIONS

## Made from Finest Maroon Rubber

*G-365	Perineal, 14x34 inches.....	4.00
G-370	General Operating, 20x44 inches .....	5.00
G-375	General Operating, 24x44 inches .....	5.50
G-380	General Operating, with open sleeve, 20x44 inches.....	6.00
G-385	General Operating, with open sleeve, 24x44 inches.....	7.00

## KELLY OPERATING CUSHIONS

## Pure Gum, Cloth Inserted

Very light weight and serviceable. Especially adapted for use of surgeons. Each cushion is furnished with a neat and compact waterproof carrying cover or pouch.

*G-366	Perineal, 14x34 inches.....	\$5.25
G-371	General Operating, 20x44 inches .....	7.00
G-376	General Operating, 24x44 inches .....	8.00
G-381	General Operating, with open sleeve, 20x44 inches.....	8.50
G-386	General Operating, with open sleeve, 24x44 inches.....	9.50

## MORRISON PATTERN OPERATING CUSHIONS

These cushions, owing to the method of construction, prevent any fold or crevice between the pad and the air cushion, so that the whole pad when deflated lies flat and can be easily cleaned and sterilized. The cushion may also be used with either side up, which adds to its life and efficiency.

## Maroon Rubber

*G-395	Perineal, 17x35 inches .....	\$4.00
G-400	General Operating, 20x44 inches .....	5.00
G-405	General Operating, 24x44 inches .....	5.50
G-410	General Operating, with open sleeve, 20x44 inches.....	6.00
G-415	General Operating, with open sleeve, 24x44 inches.....	7.00

## MORRISON PATTERN OPERATING CUSHIONS

## Pure Gum

Each cushion is furnished with a neat and compact waterproof carrying cover or pouch.

G-396	Perineal, 17x35 inches.....	\$5.25
G-401	General Operating, 20x44 inches .....	7.00
G-406	General Operating, 24x44 inches .....	8.00
G-411	General Operating, with open sleeve, 20x44 inches.....	8.50
G-412	General Operating, with open sleeve, 24x44 inches.....	9.50
G-416	Inflator Bulb, for inflating surgical operating cushions.....	.50

IRRIGATORS, ETC.



G-1115



G-1120



G-1100



G-1105



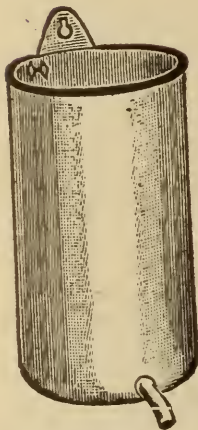
G-1110



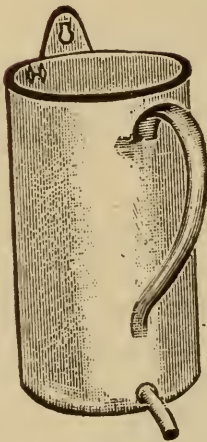
G-1130



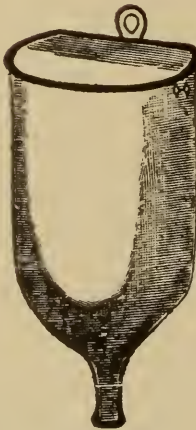
G-1137



G-1060



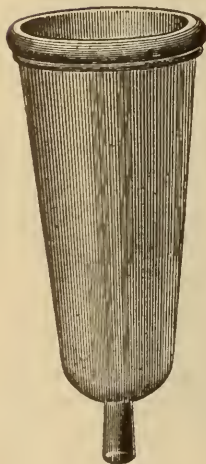
G-1065



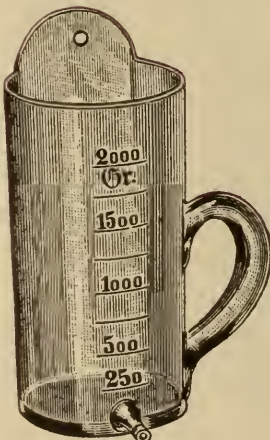
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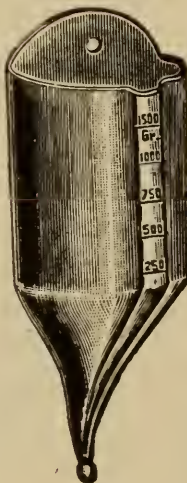
G-1075



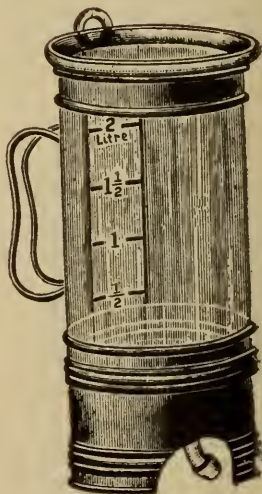
G-1045



G-1030



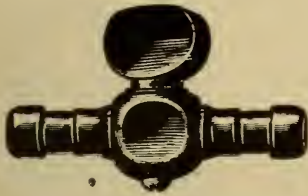
G-1040



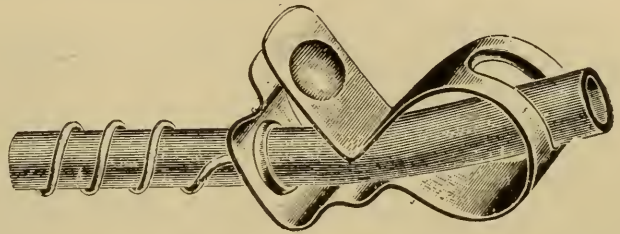
G-1055



## IRRIGATORS, ETC.



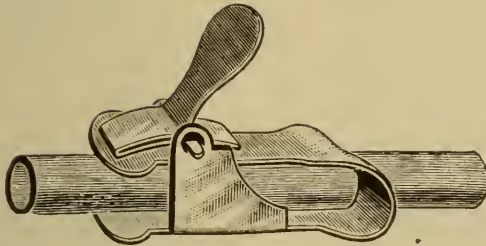
G-1088



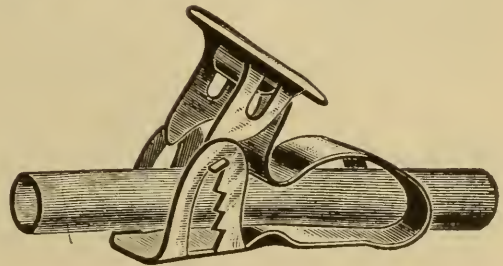
G-1085



G-1082



G-1090



G-1092

## IRRIGATORS

*G-1025	Irrigator, glass, graduated, without handle, 1000 gr., \$1.25; 2000 gr., \$1.50; 3000 gr. ....	\$1.80
G-1030	Irrigator, glass, graduated, with handle, 1000 gr., \$1.35; 2000 gr., \$1.80; 3000 gr. ....	2.50
G-1040	Irrigator, glass, graduated, funnel shape, 1000 gr., \$1.35; 2000 gr., \$1.75; 3000 gr. ....	2.50
G-1045	Irrigator, glass, conical form, ½ gal., 75c; 1 gal., \$1.00; 2 gal., \$1.50; 3 gal. ....	2.00
G-1055	Irrigator, glass, with graduated metal frame, 1000 gr., 90c; 2000 gr., \$1.35; 3000 gr. ....	1.90
G-1060	Irrigator, white enameled steel ware, seamless, 1 qt., 80c; 2 qt., \$1.00; 3 qt., \$1.25; 4 qt. ....	1.50
G-1065	Irrigator, white enameled steel ware, seamless, 1 qt., 90c; 2 qt., \$1.15; 3 qt., \$1.25; 4 qt. ....	1.50
G-1070	Irrigator, white enameled steel ware, seamless, 1 qt., \$1.25; 2 qt., \$1.50; 3 qt. ....	1.75
G-1075	Irrigator, white enameled steel ware, conical form, with rimmed enamel cover, 1 gal., \$3.00; 1½ gal., \$4.25; 2 gal. ....	5.00

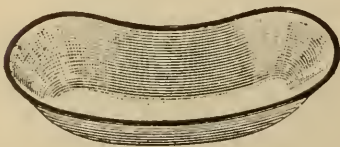
## IRRIGATOR CUT-OFFS

G-1090	American pattern, metal, per doz., 60c; each. ....	\$0.10
G-1092	American pattern, metal, per doz., 60c; each. ....	.10
*G-1080	Collins' ....	1.25
G-1082	Esmarch's, hard rubber, with 2 tips. ....	1.25
G-1085	German pattern, metal, per doz., \$3.00; each. ....	.35
G-1088	Stopcock, hard rubber ....	.50
*G-1098	Valentine's, metal, with shield, \$1.50; without shield. ....	1.25

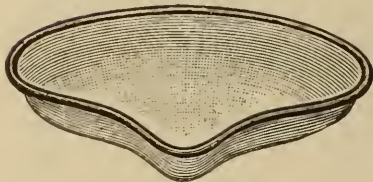
## IRRIGATOR TIPS

G-1100	Plain, glass, per dozen, 40c; each. ....	\$0.05
G-1105	Conical, glass, per dozen, 75c; each. ....	.10
G-1110	Enema, glass, per dozen, 40c; each. ....	.05
G-1115	Valentine's, urethral, glass, per dozen, 75c; each. ....	.10
G-1120	Valentine's, urethral, glass, per dozen, 75c; each. ....	.10
G-1130	Vaginal, straight, glass, per dozen, 75c; each. ....	.10
*G-1135	Vaginal, curved, glass, per dozen, 75c; each. ....	.10
G-1137	Vaginal, heavy, glass (also used for abdominal douching), per doz., \$1.50 each. ....	.20

BASINS, BOTTLES, JARS, ETC.



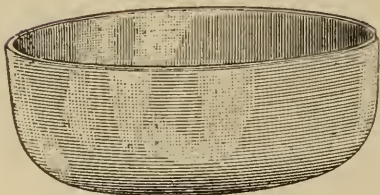
G-930



G-940



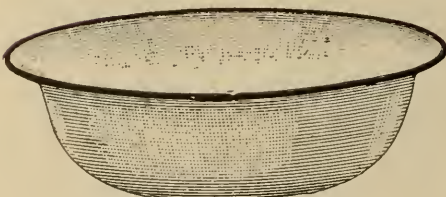
G-935



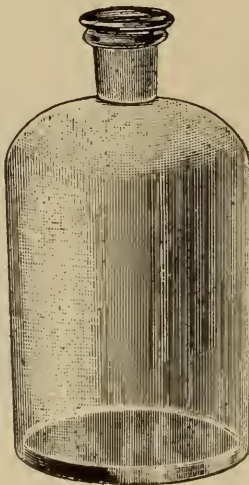
G-945



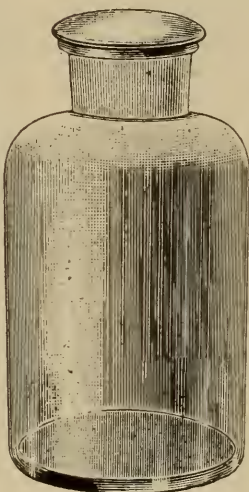
G-965



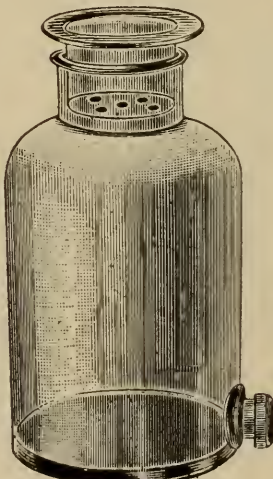
G-960



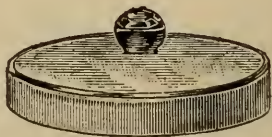
G-970



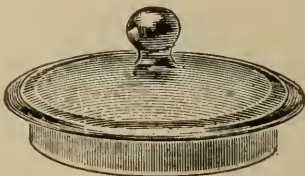
G-975



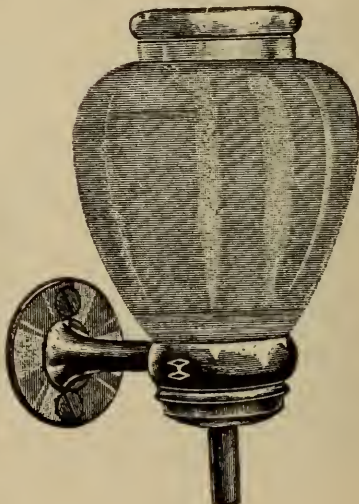
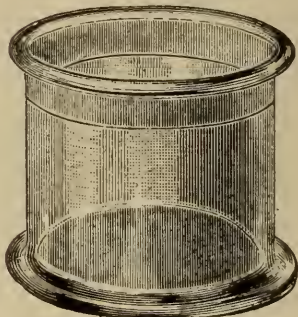
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G-1145



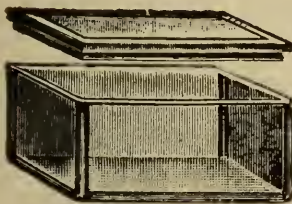
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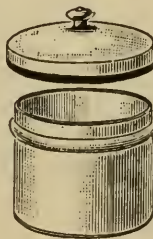
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## BOXES AND JARS



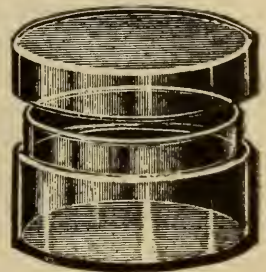
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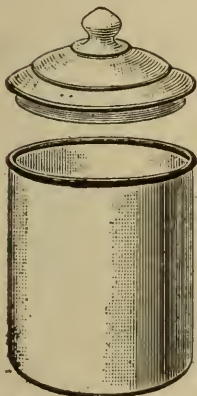
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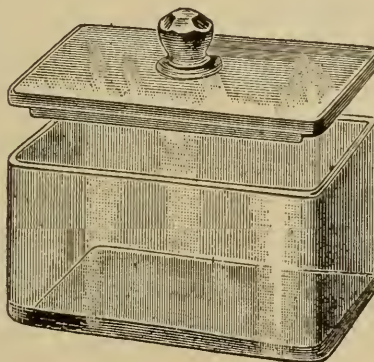
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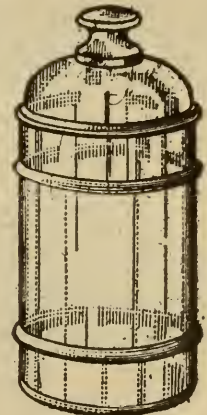
G-1005



G-1154



G-995



G-1140

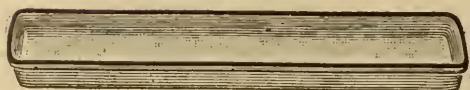
## BASINS, BOTTLES, BOXES, JARS

*G- 925	Basin, Dressing, glass, kidney shaped, 8-in., 80c; 10-in., \$1.00; 12-in....	\$1.35
G- 930	Basin, Dressing, white steel enamel ware, kidney shaped, 6-in., 40c; 8-in., 60c; 10-in., 80c; 12-in.....	1.10
G- 935	Basin, Dressing, white steel enamel ware, Smith's universal pattern....	1.25
G- 940	Basin, Dressing, white steel enamel ware, triangular shape.....	1.25
G- 945	Basin, glass, crystal, 6-in., \$1.00; 7½-in., \$1.25; 9¾-in., \$1.75; 11¾-in., \$2.50; 13¾-in. ....	3.00
*G- 950	Basin, glass, blue, 6-in., \$1.10; 7½-in., \$1.50; 9¾-in., \$2.00; 11¾-in., \$2.75; 13¾-in. ....	4.00
*G- 955	Basin, glass, ruby, 6-in., \$2.00; 7½-in., \$2.75; 9¾-in., \$4.00; 11¾-in., \$4.50; 13¾-in. ....	7.50
G- 960	Basin, white steel enamel ware, shallow, 8-in., 50c; 10-in., 65c; 12-in., 80c; 14-in., \$1.00; 16-in.....	1.25
G- 965	Basin, white steel enamel ware, deep form, 8-in., 75c; 10-in., \$1.00; 12-in., \$1.25; 14-in., \$1.50; 16-in.....	2.00
G- 970	Bottle, crystal, with narrow mouth, ground stopper, 1 gal., \$1.75; 2 gal., \$3.00; 3 gal. ....	4.50
G- 975	Bottle, crystal, with wide mouth, ground stopper, 1 gal., \$2.00; 2 gal., \$3.50; 3 gal.....	5.00
G- 985	Bottle, crystal, wide mouth, with tubulature and perforated ground stopper, 1 gal., \$6.00; 2 gal., \$7.50; 3 gal.....	10.00
G- 990	Box, glass, for brushes, size 2 in. wide, 5 in. long, 2 in. deep.....	1.50
G- 995	Box, glass, for gauze, size 5¾ in. wide, 7 in. long, 4¼ in. deep.....	6.50
G-1000	Box, glass, for gauze, size 6½ in. wide, 10 in. long, 4¾ in. deep.....	9.00
G-1005	Box, glass, for needles, 3¼-in.....	.80
G-1007	Box, white enameled steel, 2x3¼ in., 70c; 2¼x4 in.....	.90
G-1140	Jars, glass, crystal, ordinary, 1 qt., 50c; 2 qt., 55c; 3 qt., 60c; 4 qt.....	.70
G-1145	Jars, glass, crystal, fine, 4¾x4¾ in., \$1.50; 6x6 in., \$2.00; 8¼x8¼ in....	3.50
G-1150	Jars, new S. S. Pattern, glass, crystal, with ground in, air-tight and dust-proof overlapping cover—	
	Height, in. .... 2      2½      3¼      4      5      6      8	
	Diameter, in. .... 2      2½      3¼      4      5      6      8	
	Price .....\$0.75      \$1.00      \$1.25      \$1.75      \$2.50      \$3.50      \$5.00	
G-1154	Jars, white enameled steel, for dressings, 4¼x5 in., \$1.20; 5½x6 in., \$1.50; 6½x7 in. ....	2.25
G-1156	Jars, white enameled steel, for ointment, 2½x2¼ in.....	.60
G-1300	Jar, Lee's, for liquid soap .....	net 2.50

## BUCKETS, PITCHERS, TRAYS, ETC.



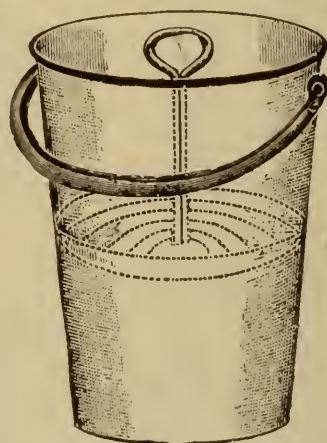
G-1180



G-1182



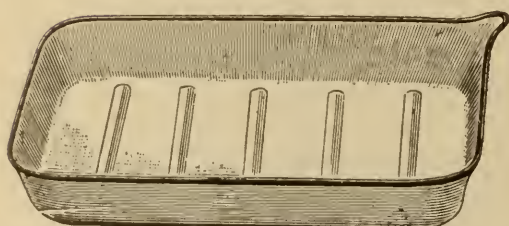
G-1160



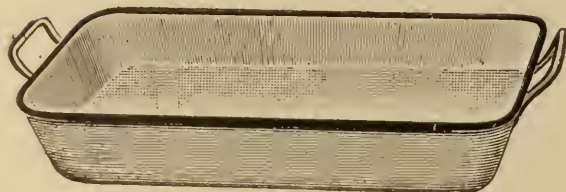
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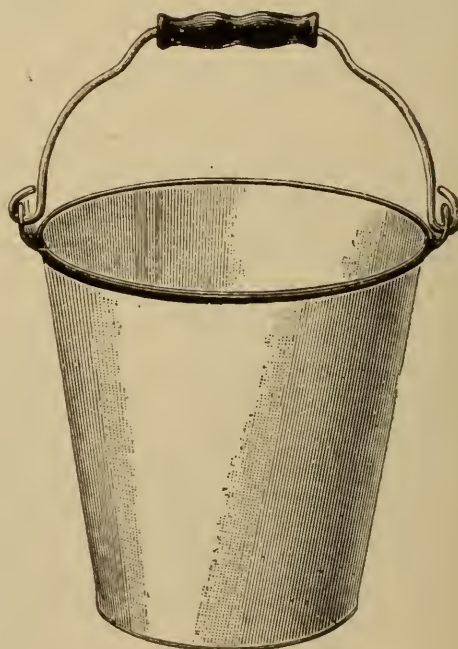
G-1200



G-1190



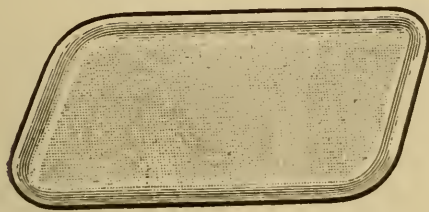
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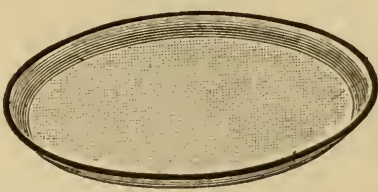
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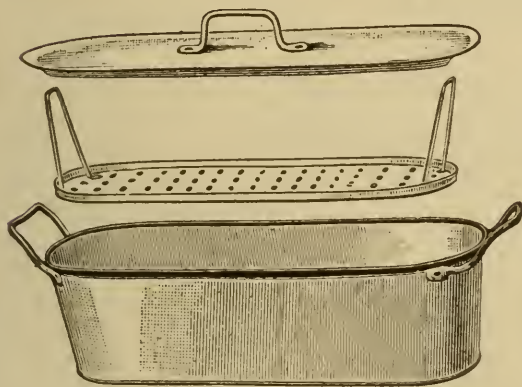
BUCKETS, PITCHERS, TRAYS, ETC.



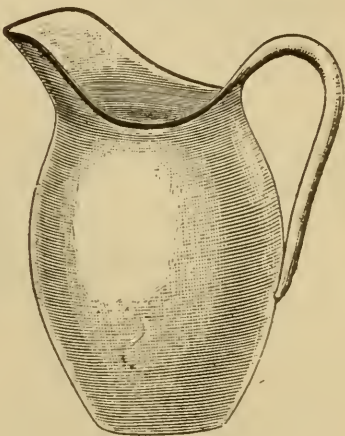
G-1206



G-1204



G-1157-1158



G-1155

BUCKETS

- G-1010 Bucket, plain, white enameled steel ware, 12 3/4 qts. ....\$2.00
- G-1015 Bucket, white enameled steel ware, for soiled dressings, with perforated drain for separating dressings from the fluids..... 7.50

PITCHERS

- G-1155 Pitcher, white enameled steel ware, 2 qts., \$1.50; 3 qts., \$1.75; 4 qts.... 2.00

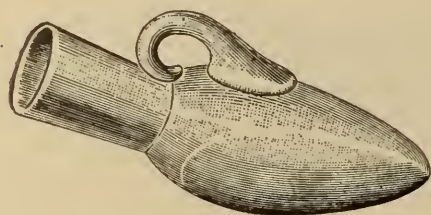
STERILIZERS

- G-1157 Sterilizer, white enameled ware, 16 in. long.....each 5.00
- G-1158 Sterilizer, white enameled steel ware, 18 in. long.....each 6.00

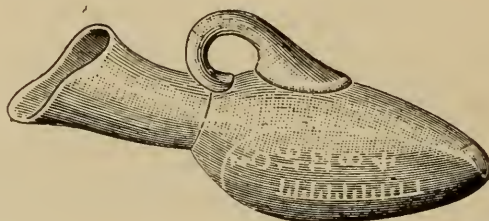
TRAYS

- \*G-1160 Tray, glass, straight walls with glass cover, 15x3x4 in..... 5.25
- \*G-1165 Tray, glass, long form, with knobbed cover, 12x2 3/4 in..... 5.50
- G-1175 Tray, glass, oblong form, crystal, straight walls, 6 3/4 x 4 1/4 x 1 3/4 in., \$1.00; 9x4 3/4 x 2 in., \$1.50; 10 1/2 x 6 1/2 x 2 1/4 in., \$2.75; 12x7x2 1/4 in., \$3.25; 13 3/4 x 8 3/4 x 2 3/4 in., \$4.25; 15 3/4 x 9 3/4 x 3 in..... 6.50
- G-1180 Tray, white enameled steel ware, with cover, 15 3/4 x 3 x 2 1/2 in..... 2.00
- G-1182 Tray, white enameled steel ware, narrow, shallow, 8 1/4 x 3 1/4 x 1 1/4 in., 75c; 12 1/4 x 4 x 1 1/4 in., \$1.10; 16 1/2 x 4 1/4 x 1 1/4 in..... 1.60
- G-1190 Tray, white enameled steel ware, with lip, 15x9x2 in..... 2.00
- \*G-1200 Tray, white enameled steel ware, deep form, without handles—
- | Inches.                |        | Inches.                |        |
|------------------------|--------|------------------------|--------|
| 8 3/4 x 5 1/2 x 2      | \$1.00 | 15 x 9 x 2 3/4         | \$2.75 |
| 10 1/4 x 6 1/4 x 2 1/4 | 1.25   | 16 1/2 x 9 1/2 x 2 3/4 | 3.00   |
| 11 3/4 x 7 1/2 x 2 1/2 | 1.60   | 18 1/4 x 10 x 3        | 3.50   |
| 13 1/2 x 8 3/4 x 2 3/4 | 2.00   | 20 x 12 x 3            | 4.00   |
- G-1202 Tray, white enameled steel ware, deep form, with handles—
- | Inches.                |        | Inches.                |        |
|------------------------|--------|------------------------|--------|
| 10 1/4 x 6 1/4 x 2 1/4 | \$1.25 | 11 x 7 1/4 x 2 3/8     | \$1.60 |
| 13 1/2 x 8 1/4 x 2 3/4 | 2.00   | 14 1/4 x 8 3/4 x 2 3/4 | 2.50   |
| 16 1/2 x 9 1/2 x 2 3/4 | 3.00   | 17 1/2 x 9 3/4 x 2 3/4 | 3.00   |
| 20 x 12 x 3            | 4.00   |                        |        |
- G-1204 Tray, white enameled steel ware, round, 8 in., 70c; 10 in., \$1.10; 12 in.. 1.35
- G-1206 Tray, white enameled steel ware, oblong, 9x12 in., \$1.15; 12x16 in., \$1.75; 15x20 in., \$2.50; 18x22 in..... 3.75

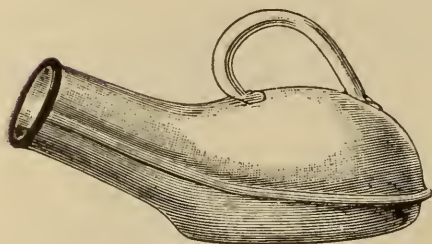
## SICK ROOM UTENSILS



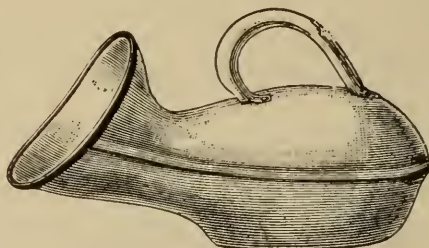
G-1350



G-1356



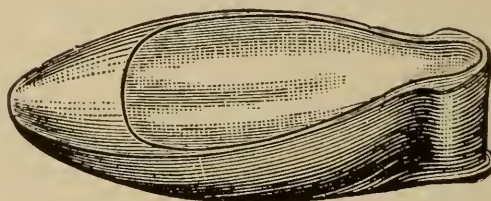
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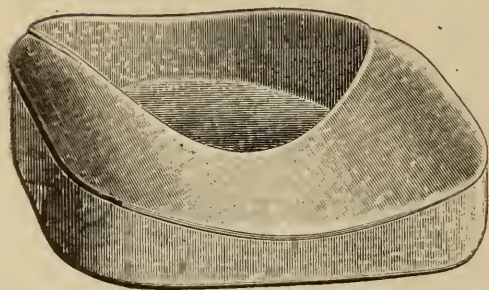
G-1365



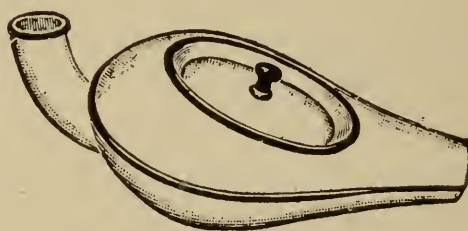
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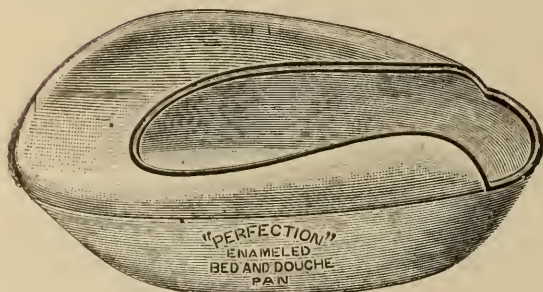
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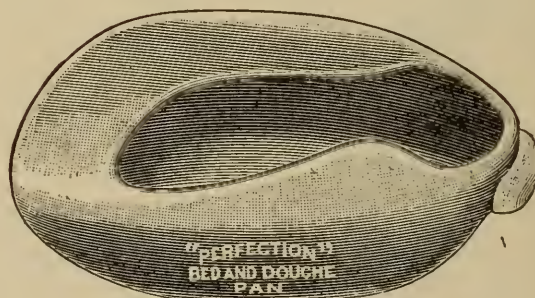
G-1230



G-1215-1217



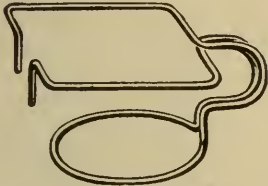
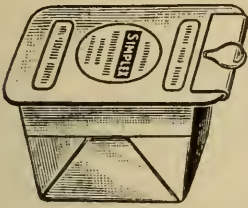
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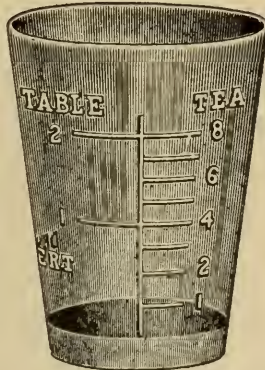
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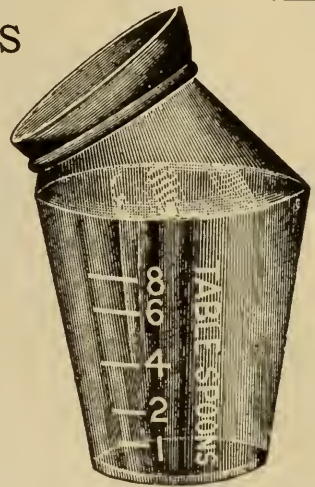
## SICK ROOM SUNDRIES



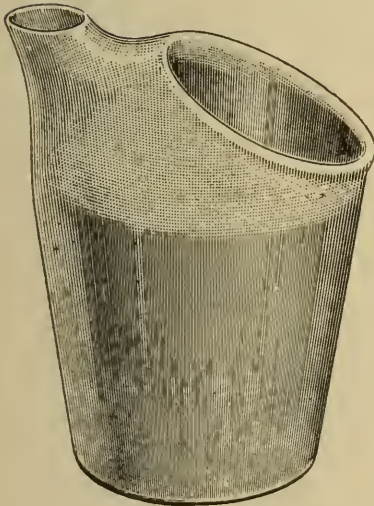
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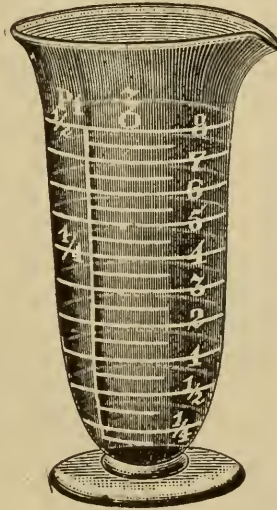
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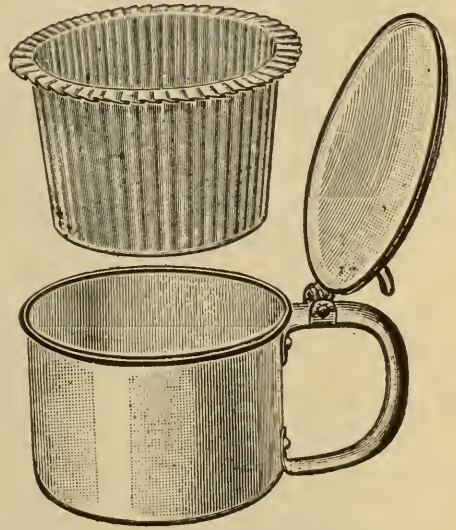
G-1245



G-1250



G-1265



G-1315-1316

## BED PANS

G-1210	Bed Pan, Eureka, porcelain.....doz.	\$ 9.00	each	\$1.00
G-1215	Bed Pan, French slipper pattern, white steel enameled ware.....doz.	15.00	each	1.75
G-1220	Bed Pan, Perfection, porcelain, No. 1, standard size.....doz.	33.00	each	3.00
G-1222	Bed Pan, Perfection, porcelain, No. 2, small size.....doz.	27.00	each	2.50
*G-1225	Bed Pan, Perfection, grey enamel, No. 3, standard size.....doz.	54.00	each	5.00
*G-1226	Bed Pan, Perfection, grey enamel, No. 5, small size.....doz.	45.00	each	4.00
G-1227	Bed Pan, Perfection, white enamel, No. 4, standard size.....doz.	63.00	each	6.00
G-1228	Bed Pan, Perfection, white enamel, No. 6, small size.....doz.	58.50	each	5.25

## DOUCHE PANS

G-1230	Douche Pan, Ideal, white enamel.....doz.	84.00	each	8.00
G-1235	Douche Pan, Standard, white enameled steel ware.....doz.	18.00	each	2.00

## FEEDING AND DRINKING CUPS

G-1245	Ideal, glass.....doz.	2.50	each	.25
G-1250	Simplex, No. 10, porcelain.....doz.	5.50	each	.50
*G-1252	Simplex, No. 12, white steel enameled ware.....doz.	13.50	each	1.25

## GRADUATES

G-1265	Glass, graduated in ounces, 1 oz., 25c; 2 oz., 35c; 4 oz., 45c; 8 oz., 60c; 16 oz.....			.75
*G-1270	Glass, graduated in metric and ounces, 30 cc., 35c; 60 cc., 45c; 125 cc., 55c; 250 cc., 75c; 500 cc., \$1.25; 1000 cc.....			2.00

## MEDICINE GLASSES

G-1275	Glass, moulded.....doz.	.50	each	.05
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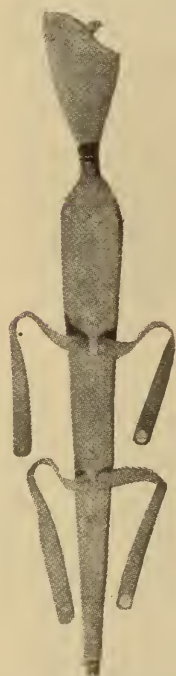
## SPIT CUPS

G-1315	Spit Cup, white enameled steel ware, hinged cover.....doz.	9.60	each	1.00
G-1316	Spit Cup Filler, made of fluted paper.....per hundred	3.00		
G-1318	Spit Cup, Simplex, paper, with hinged cover.....per hundred	3.00		
G-1322	Spit Cup Holder, Simplex, wire.....doz.	1.50		

## URINALS

G-1350	Male, glass, plain.....doz.	6.00	each	.60
*G-1352	Male, glass, graduated.....doz.	9.00	each	.90
*G-1355	Female, glass, plain.....doz.	6.00	each	.60
G-1356	Female, glass, graduated.....doz.	9.00	each	.90
G-1360	Male, white steel enameled ware.....doz.	13.50	each	1.25
G-1365	Female, white steel enameled ware.....doz.	13.50	each	1.35

## RUBBER GOODS FOR INVALIDS



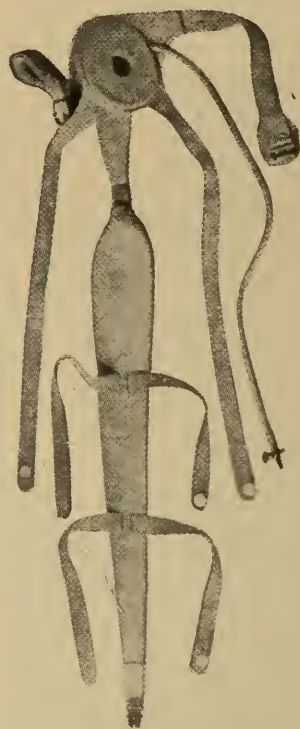
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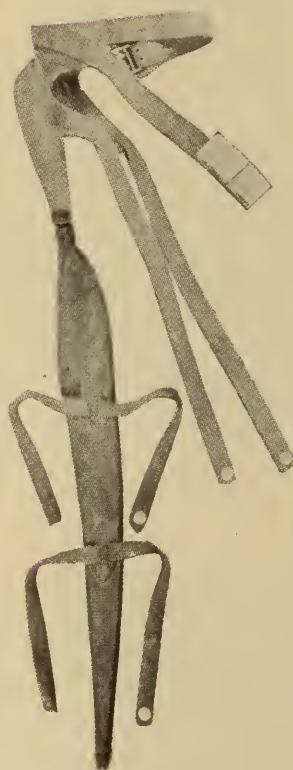
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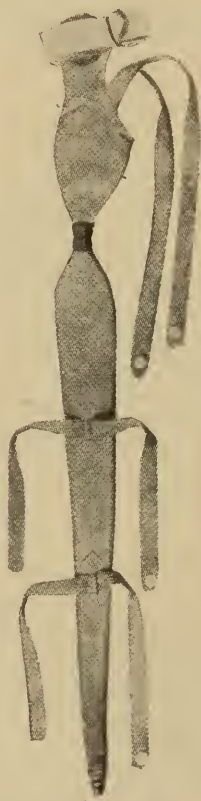
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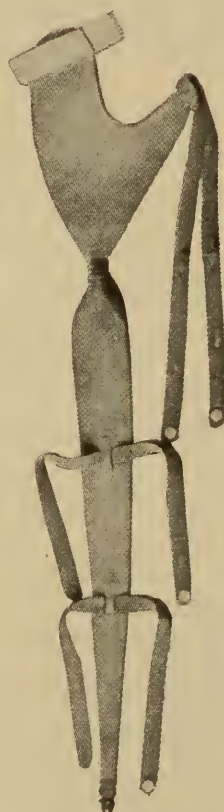
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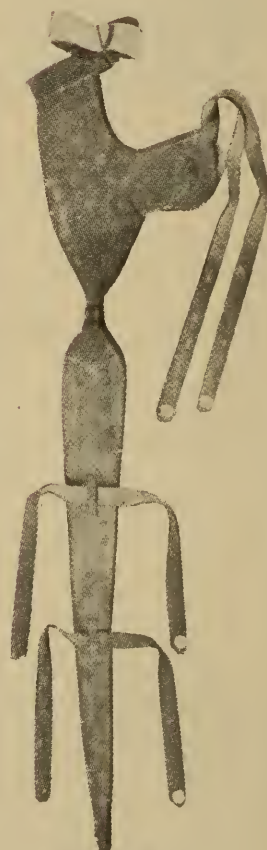
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No. 3A



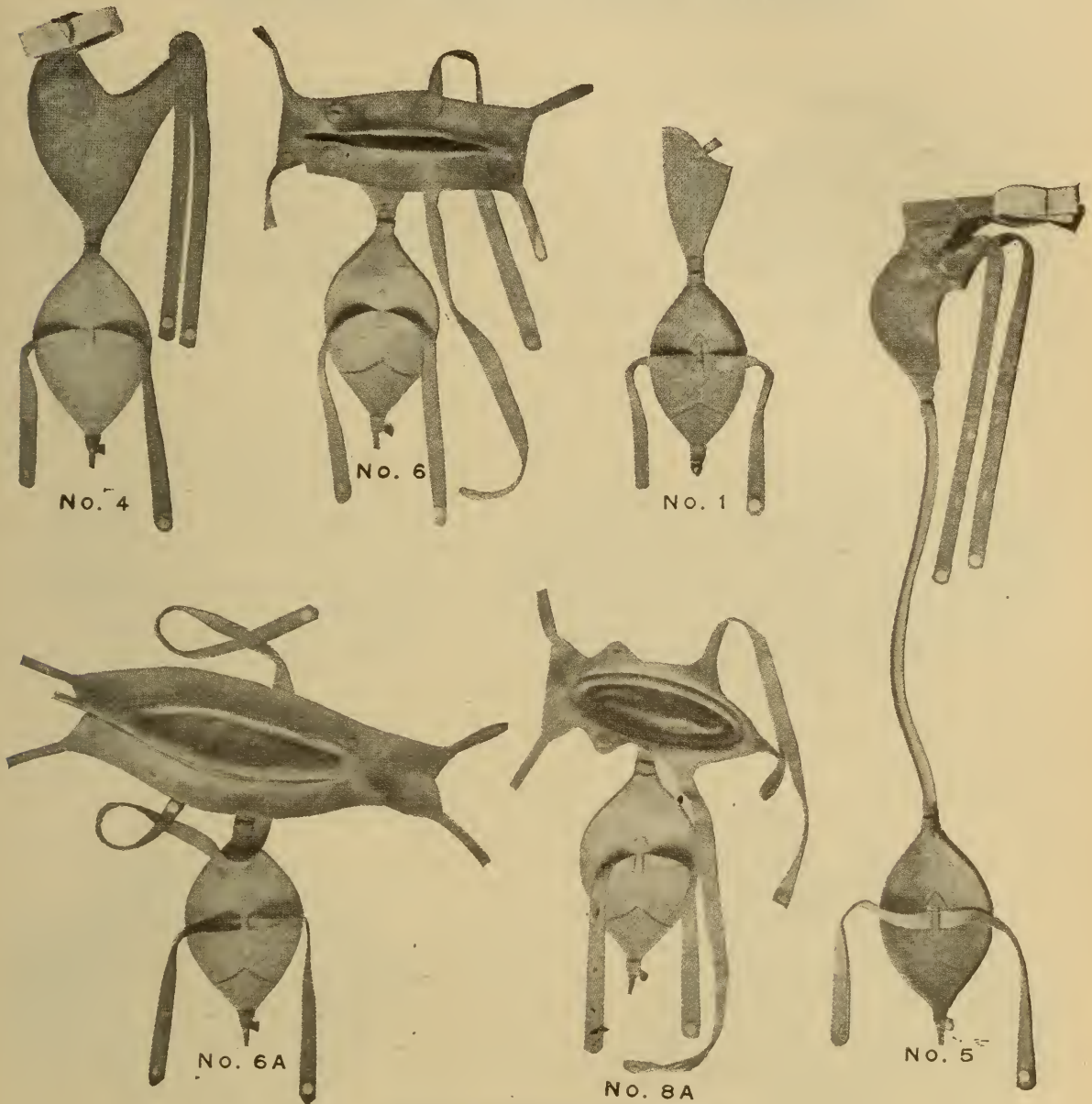
No. 4A'



No. 5A



## RUBBER GOODS FOR INVALIDS



## PURE RUBBER URINALS

Our Urinals are made from the best Para rubber, with tight fitting joints. They represent the best in quality and practicability.

G-1370	Male, day, No. 1	\$2.50
G-1390	Male, day, No. 3	2.75
G-1392	Male, day, No. 3A	4.50
G-1395	Male, day, No. 4	4.50
G-1400	Male, day, No. 4A	4.75
G-1405	Male, day, No. 5	5.50
G-1402	Male, day and night, No. 5A	6.50
G-1404	Male, day and night, No. 7A	5.75

This urinal has a pneumatic inflatable collar for the reception of the penis, which can be inflated when used at night to prevent back leakage and deflated when worn during the day.

*G-1406	Male, day, No. 11, child's size, same style as No. 1	2.25
*G-1408	Male, day, No. 13, child's size, same style as No. 3	2.75
*G-1412	Male, day, No. 13A, child's size, same style as No. 3A	4.50
*G-1414	Male, day, No. 15, child's size, same style as No. 5	4.75
G-1415	Male, day and night, No. 23	3.00
G-1420	Male, day and night, No. 23A	4.75
G-1422	Female, day, No. 2	2.75
G-1410	Female, day, No. 6	4.00
G-1424	Female, day and night, No. 6A	5.75
G-1380	Female, day, No. 8A, with flexible, soft metal rubber covered rim that can be bent into shape to fit any perineum. The most satisfactory female urinal made	6.50

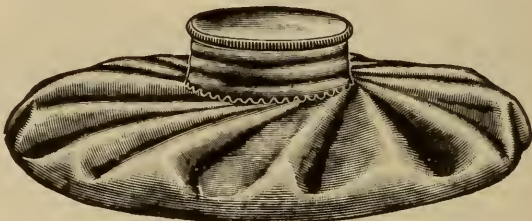
*G-1426	Female, day, No. 16, child's size, same style as No. 6	2.75
*G-1427	Female, day and night, No. 16A, child's size, same style as No. 6A	5.75

Owing to the unstable condition of the rubber market, we reserve the right to change our prices on rubber goods without notice.

RUBBER GOODS FOR INVALIDS



G-1531



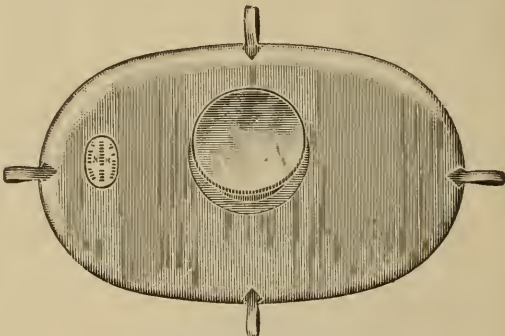
DAVOL

G-1532

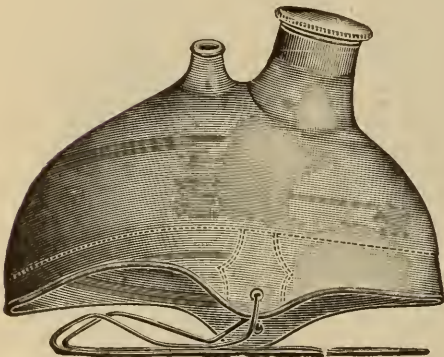


DAVOL RUBBER CO.

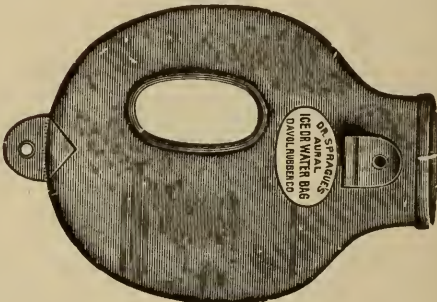
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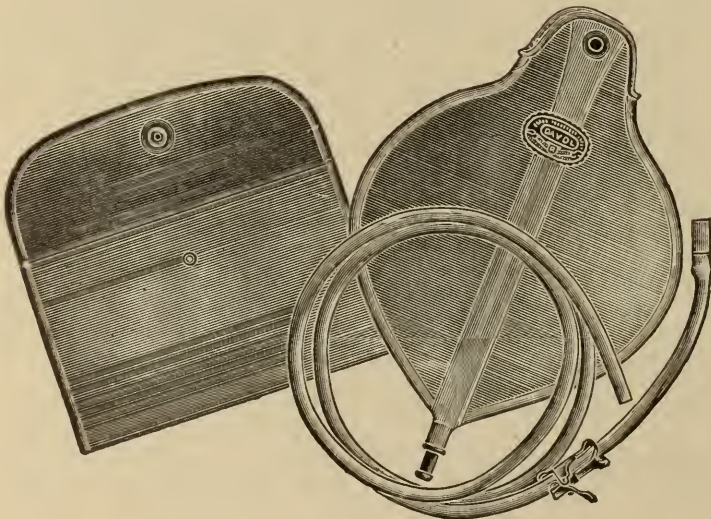
G-1535-36-37



G-1545



G-1538



G-1437



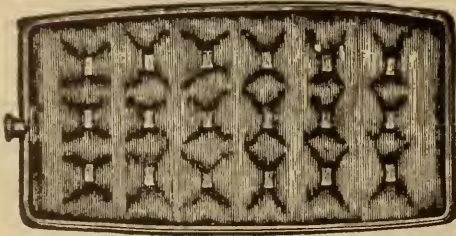
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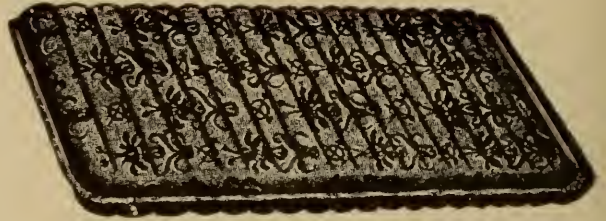
## RUBBER GOODS FOR INVALIDS

G-1531	Ice Bag, English checked cloth, rubber coated, screw cap—			
	Diameter .....	6-inch	9-inch	12-inch
	Price, each .....	\$0.75	\$1.00	\$1.50
G-1532	Ice Bag, durable, double coated, cloth inserted, pure gum outside, white rubber inside, screw cap—			
	Diameter .....	6-inch	9-inch	12-inch
	Price, each .....	\$1.50	\$2.25	\$3.25
G-1533	Ice Bag, pure gum, all rubber, screw cap, soft and flexible, 9-inch.....			\$0.75
G-1535	Ice Bag, oval, pure gum, cloth inserted, screw cap, 8x11 inches.....			1.50
G-1536	Ice Bag, oval, pure gum, all rubber, screw cap, 8x11 inches.....			1.75
G-1537	Ice Bag, oval, maroon, all rubber, moulded in one piece.....			1.00
*G-1538	Ice Bag, Sprague's, mastoid .....			1.50
*G-1490	Ice Bag, plain, pure gum, all rubber, 9x3½ in., 40c; 10¾x3½ in., 45c; 10x5¼ in., 50c; 11½x5¾ in.....			.60
G-1500	Ice Bag, Spinal, pure gum, 10-in., \$1.25; 12in., \$1.35; 14-in., \$1.45; 16-in., \$1.50; 18-in., \$1.60; 20-in., \$1.70; 22-in. ....			1.80
*G-1505	Ice Bag, Throat, pure gum, 7-in., 60c; 8-in., 70c; 9-in., 75c; 10-in., 80c; 11-in. ....			.90
*G-1506	Ice Bag, Throat, chocolate rubber, cloth inserted, screw cap, flexible....			2.25
G-1507	Ice Bag, Eye, pure gum, screw cap, for both eyes.....			1.25
G-1545	Ice Cap, Davol's, helmet shape, pure gum, screw cap, small, \$2.50; medium, \$2.75; large .....			3.00
*G-1538	Water Bottle, Throat, chocolate rubber, cloth inserted, will adjust itself to any size neck and retain its position.....			2.00
*G-1445	Hot Water Bottle, made of best white rubber, with reinforced seams; 2-qt., \$1.25; 3-qt., \$1.50; 4-qt. ....			1.75
*G-1450	Hot Water Bottle, made of best maroon rubber with extra heavy reinforced seams; 2-qt., \$1.50; 3-qt., \$1.75; 4-qt.....			2.00
*G-1452	Hot Water Bottle, made of best chocolate-colored rubber, pure Para gum, moulded in one piece, fully guaranteed; 2-qt., \$1.50; 3-qt.....			1.75
*G-1460	Hot Water Bottle, made of best tan rubber, cloth inserted, very strong and very light; 2-qt., \$1.50; 3-qt., \$1.75; 4-qt.....			2.00
*G-1455	Hot Water Bottle, made of best white or slate colored rubber, covered with flannel; 2-qt., \$1.25; 3-qt., \$1.50; 4-qt.....			1.75
*G-1425	Fountain Syringe, rapid flow, made of white rubber, complete with tubing, cut-off and 3 hard rubber rapid flow pipes; 1-qt., \$1.00; 2-qt., \$1.25; 3-qt. ....			1.50
*G-1435	Fountain Syringe, rapid flow, made of best maroon rubber, complete with tubing, cut-off and 3 hard rubber rapid flow pipes; 1-qt., \$1.25; 2-qt., \$1.50; 3-qt. ....			1.75
*G-1436	Fountain Syringe, E Z Sanitary, made of best white rubber, oval shaped, with extra wide mouth so that bag can be readily cleaned. Complete with rubber tubing, cut-off and 3 hard rubber rapid flow pipes; 2-qt., \$2.00; 3-qt. ....			2.25
G-1437	Fountain Syringe, Surgeon's, pure gum, with waterproof case for carrying. Complete with tubing and cut-off only. No pipes are furnished with this syringe. Can be used with any slip pipe; 2-qt., \$2.25; 3-qt., \$2.50; 4-qt. ....			2.75
*G-1440	Fountain Syringe and Hot Water Bottle, made of best white rubber compound, reinforced seams, complete with screw plug, for hot water bottle, fitting any tubing with cut-off and 3 hard rubber rapid flow pipes; 2-qt., \$2.25; 3-qt., \$2.50; 4-qt.....			2.75
*G-1442	Fountain Syringe and Hot Water Bottle, made of best maroon rubber compound, reinforced seams, complete with screw plug for hot water bottle, fitting and tubing with cut-off and 3 hard rubber rapid flow pipes; 2-qt., \$2.25; 3-qt., \$2.50; 4-qt.....			2.75

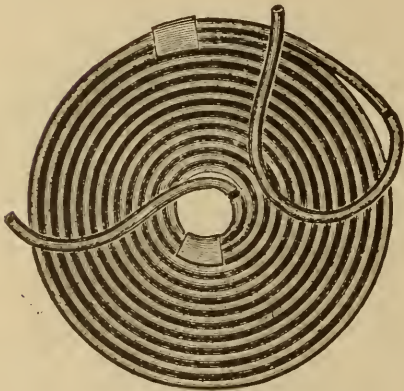
## RUBBER GOODS FOR INVALIDS



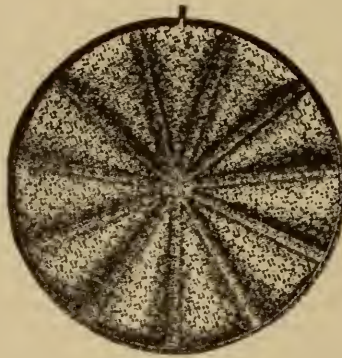
G-1472



G-1470



G-1552-1554



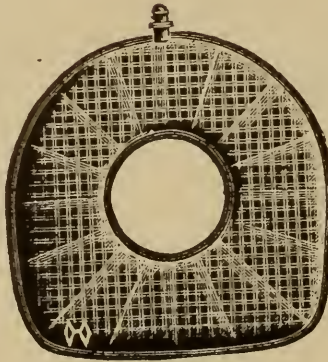
G-1477



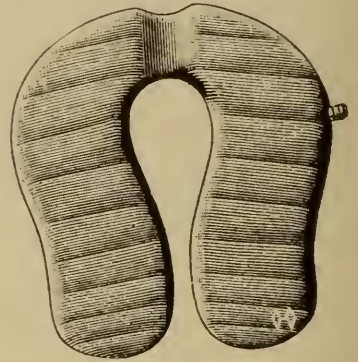
G-1476



G-1485



G-1475



G-1480



G-1471



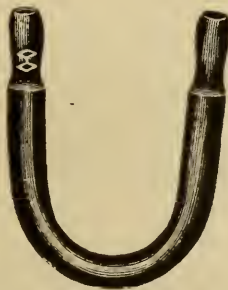
## SUNDRIES



G-1544



G-1549



G-1546



G-1548



G-1547



G-1556

## WATER COILS AND FITTINGS

G-1552	Abdominal, maroon rubber; 8-in., \$5.00; 10-in., \$5.50; 12-in.....	\$ 6.00
G-1554	Abdominal, pure gum; 7-in., \$4.75; 8½-in., \$5.00; 10-in., \$5.50; 11½-in...	6.00
G-1556	Head, maroon rubber; 6-in., \$5.50; 7-in., \$5.75; 7½-in.....	6.00
G-1546	U Tube, hard rubber, to prevent rubber tube from kinking.....	.25
G-1547	Sinker lead filled .....	.30
G-1548	Stopcock, hard rubber, double; small, 40c; medium, 50c; large.....	.60
G-1549	Stopcock, hard rubber, with metal shutoff.....	.75
G-1544	Van Buren's, hard rubber .....	.60

## PNEUMATIC AIR GOODS

G-1470	Air Beds, 32x80 in., \$30.00; 42x80 in., \$40.00; 52x80 in.....	50.00
G-1471	Air Bed, Pneumatic; 36x75 in., \$49.50; 42x75 in. ....	55.00
G-1472	Water Bed, 24x36 in., \$21.50; 32x80 in., \$33.50; 42x80 in., \$45.00; 52x80 in.	56.00
G-1475	Air Cushion, chair, hospital pattern 17½-in.....	4.50
G-1476	Air Cushion, chair, half round, reeded, 17½-in.....	4.50
G-1477	Air Cushion, chair, round, reeded, 15-in., \$3.00; 17 in.....	3.50
G-1480	Air Cushion, chair, horseshoe shape, 14-in., \$5.00; 16-in.....	5.50
G-1485	Air Cushion, Invalid, white or slate colored rubber, cloth insertion; 8-in., \$1.25; 10-in., \$1.50; 12-in., \$1.75; 14-in., \$2.00; 16-in., \$2.25; 18-in....	2.50
G-1486	Air Cushion, Invalid, light maroon rubber; 8-in., \$1.50; 10-in., \$1.75; 12-in., \$2.00; 14-in., \$2.25; 16-in., \$2.50; 18-in.....	3.00

## RUBBER SHEETING

G-1558	Black, coated on one side; 36-in., per yd., \$1.00; 45-in., per yd., \$1.25; 54-in., per yd. ....	1.50
G-1560	Black coated on both sides; 36-in., per yd., \$2.00; 45-in., per yd., \$2.50; 54-in., per yd. ....	3.00
G-1562	White, coated on one side; 36-in., per yd., \$1.00; 45-in., per yd., \$1.25; 54-in., per yd. ....	1.50
G-1566	White coated on both sides; 36-in., per yd., \$2.00; 45-in., per yd., \$2.50; 54-in., per yd. ....	3.00
G-1559	Tan, coated on one side; 36-in., per yd., \$1.50; 45-in., per yd., \$2.00; 54-in., per yd. ....	2.50
G-1564	Tan coated on both sides; 36-in., per yd., \$2.50; 45-in., per yd., \$3.25; 54-in., per yd. ....	3.75

NOTE: Special prices in half and full rolls. The highest quality of rubber and cloth are used in the manufacture of the sheeting listed above.

## INVALID COMFORTS



## BEDSIDE TABLES

**G-1575. "WHITE LINE" BEDSIDE TABLE (PORCELAIN ENAMELED TOP)**

The "White Line" Bedside Table is the most attractive table of this type that has ever been offered to the hospital or patient.

The table top is made of heavy sheet steel, 16x24 inches, with rounded edges, and is covered with white porcelain enamel that is as clean as glass and looks cleaner. It is temperature proof and will not readily mar or chip. A sector attached to the table top works in any groove on the telescoping upright, and can be locked at any angle by a large T head set-screw.

The height of the table can be regulated by means of a telescoping standard, working in a base upright, and locked with large head set screw.

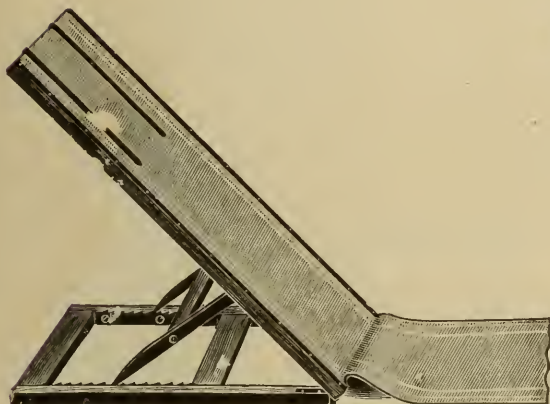
The base is of iron pipe and gray iron castings. Two feet are mounted on easy rolling casters.

The base and upright are finished in white enamel hand rubbed and baked. The fittings are polished and nickel plated.

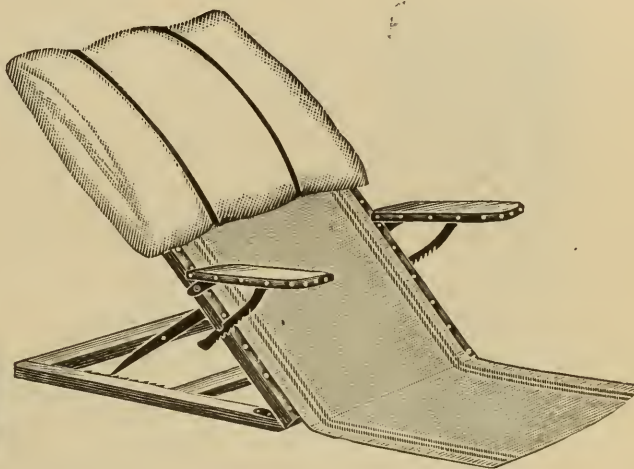
**G-1575** "White Line" Bedside Table, with Porcelain Enameled Top.....\$12.00



## INVALID COMFORTS



G-1565

G-1571  
Showing Pillow Attached by Straps

## BACK RESTS

G-1565	Back Rest No. 101, nicely varnished and covered with a good quality of linen .....	\$2.50
G-1566	Back Rest No. 105, same as No. 101, varnished, and covered with duck or striped material.....	1.75
*G-1570	Back Rest No. 104, nicely varnished and covered with linen.....	4.00
G-1571	Back Rest No. 102, nicely varnished and covered with linen, same as No. 104, without the head rests.....	3.25
*G-1572	Back Rest No. 103, nicely varnished and covered with linen, same as No. 104, without the arm rests.....	3.25

## G-1574. FOLDING BED TRAY NO. 136

These bed trays are made of hardwood, finished and varnished in the best manner. The legs are held in position either when folded or open by a strong brace, and the trays are substantial in every way. Folded they are only 3x15x23 inches.

Price .....\$3.00

## THE "STANDARD" BEDSIDE TABLE

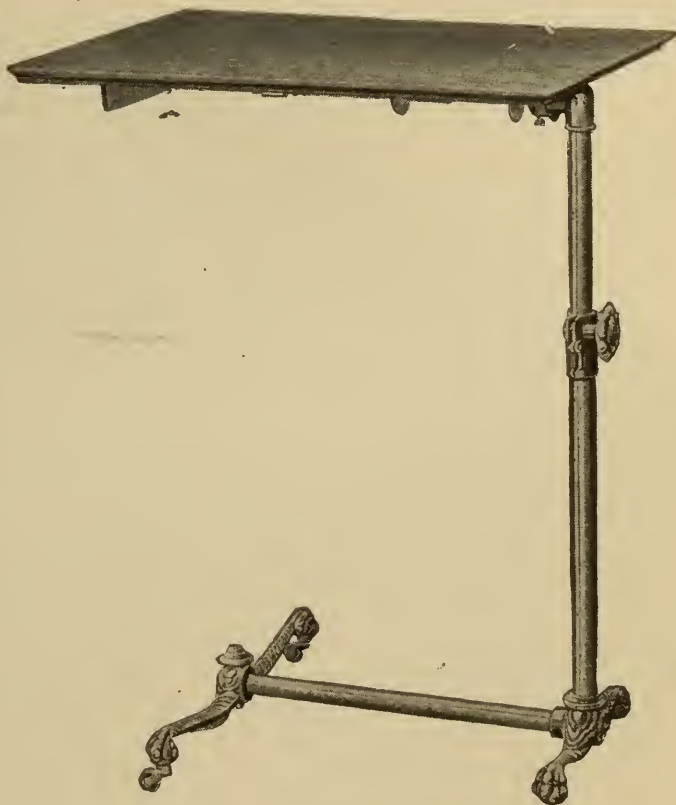
For those desiring a good substantial bedside table at a moderate price, we can recommend our "Standard" table. It is substantially made, is adjustable in height, the table or tray can be set at any angle. It is well-finished and will meet the requirements of those who cannot afford to pay a higher price.

The top is made of oak or birds-eye maple, as listed, and is finished in natural grain. The frame is enameled in black, brown or white,

G-1585. The "Standard" Bed-side Table No. 30, black enameled metal parts, oak top, 18x24 inches.....\$5.00

G-1587 The "Standard" Bed-side Table No. 1, brown enameled metal parts, oak top, 18x27 inches..... 5.50

G-1589 The "Standard" Bed-side Table No. 2, white enameled metal parts, birdseye maple top, 18x27 inches ..... 6.50



G-1585-1589

## INVALID COMFORTS

### GENDRON ROLLING CHAIRS RECLINING ROLLING CHAIR

With rear swivel wheel of large diameter, 14-inches. We particularly recommend this chair as being one of the easiest to handle and to manipulate. This idea is entirely original with us and has been a source of much pleasure to many, who praise it highly for these qualities. Furnished regularly with hand rims on large wheels, that will allow patient to propel chair forward or backward, or turn in either direction at will.

G-1615 Gendron Rolling Chair, No. GM-605, with oval steel rim wheels.....\$30.00  
G-1615A Gendron Rolling Chair, No. GM-606S, with  $\frac{3}{4}$ -in. rubber tires..... 45.00

G-1615B Gendron Rolling Chair, No. GM-607, with 1-in. rubber tires..... 54.00

Dimensions for Nos. GM-605-606-607:

	Wide Size Inches	Narrow Size Inches
Height of back from seat .....	31	31
Height of seat from floor .....	20 $\frac{1}{2}$	20 $\frac{1}{2}$
Height of seat from foot-board .....	17	17
Height of arms from seat .....	9 $\frac{1}{2}$	9 $\frac{1}{2}$
Depth of seat.....	20	20
Width of seat between arms .....	19	17
Diameter of large wheels .....	28	28
Diameter of small wheel .....	14	14
Width over all.....	29	27
Weight crated, 95 lbs.		

### RECLINING ROLLING CHAIR

With two-piece divided independent adjustable leg-rest. We highly recommend this chair as one of the most useful and serviceable for all cases. Has rear swivel wheel. Furnished regularly with hand rims on large wheels that will allow patient to propel chair forward or backward, or turn in either direction at will.

G-1620 Gendron Rolling Chair, No. GM-625, with oval steel rim wheels.....\$43.50  
G-1620A Gendron Rolling Chair, No. GM-626S, with  $\frac{3}{4}$ -in. rubber tires..... 55.00  
G-1620B Gendron Rolling Chair, No. GM-627, with 1-in. rubber tires..... 65.00

Dimensions for Nos. GM-625-6-7:

	Wide Size Inches	Narrow Size Inches
Height of back from seat .....	31	31
Height of seat from floor .....	20	20
Height of seat from foot-board .....	17	17
Length of leg-rest from seat when down .....	17	17
Length of leg-rest from seat when up .....	24 $\frac{1}{2}$	24 $\frac{1}{2}$
Height of arms from seat.....	9 $\frac{1}{2}$	9 $\frac{1}{2}$
Depth of seat.....	20	20
Width of seat between arms .....	19	17
Diameter of large wheels .....	28	28
Diameter of small wheel .....	10	10
Width over all....	29	27
Weight crated, 105 lbs.		

Unless specified otherwise, wide chair will be shipped.

**Gendron Rolling Chairs Are Made on Honor. See That You Get the Gendron When You Order.**

**QUALITY GUARANTEED** — Specify section letter and number in ordering.





## INVALID COMFORTS

### Gendron Rolling Chairs

#### RECLINING ROLLING CHAIR

With commode attachment and removable cane seat. Has rear swivel wheels, elliptic springs, cane back, seat and leg rest.

G-1630 Gendron Rolling Chair, No. GM-2619, with oval steel rim wheels.....\$45.00

G-1630A Gendron Rolling Chair, No. GM-2620, with  $\frac{3}{4}$ -in. rubber tire wheels..... 57.50

G-1630B Gendron Rolling Chair, No. GM-2621, with 1-in. rubber tire wheels..... 67.50

Dimensions for Nos. GM-2619-20-21:

	Wide Size Inches	Narrow Size Inches
Height of back from seat .....	31	31
Height of seat from floor .....	22½	22½
Height of seat from foot-board .....	18	18
Height of arms from seat .....	9½	9½
Depth of seat.....	20	20
Width of seat between arms .....	19	17
Diameter of large wheels .....	28	28
Diameter of small wheels .....	10	10
Width over all.....	29	27
Weight crated, 110 lbs.		



#### RECLINING ROLLING CHAIR

With two rear swivel wheels which make the chair very popular and is recommended for very heavy people, and for extremely nervous patients, as the two rear wheels give a feeling of greater security than a chair with only one rear wheel. Has steel elliptic springs which absorb the vibration and jarring so annoying to invalids. 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.

G-1632 Gendron Rolling Chair, No. GM-2614, with oval steel rim wheels.....\$38.50

G-1632A Gendron Rolling Chair, No. GM-2615, with  $\frac{3}{4}$ -in. rubber tires..... 52.00

G-1632B Gendron Rolling Chair, No. GM-2616, with 1-in. rubber tires..... 60.00

Dimensions for Nos. GM-2614-15-16:

	Wide Size Inches	Narrow Size Inches
Height of back from seat .....	31	31
Height of seat from floor .....	21½	21½
Height of seat from foot-board .....	17	17
Height of arms from seat .....	9½	9½
Depth of seat.....	20	20
Width of seat between arms .....	19	17
Diameter of large wheels .....	28	28
Diameter of small wheels .....	10	10
Width over all.....	29	27
Weight crated, 105 lbs.		

Unless specified otherwise, WIDE chair will be shipped.



**Gendron Rolling Chairs Are Made on Honor. See That You Get the Gendron When You Order.**

**QUALITY GUARANTEED—Specify section letter and number in ordering.**



## INVALID COMFORTS

## Gendron Rolling Chairs

COMBINATION RECLINING  
HOUSE AND STREET CHAIR

This chair embodies all the conveniences of our reclining house chairs, but the addition of the front platform resting on a tubular frame, wheels that run in straight line, together with the extension wood push handle furnished regularly, make it a very popular and desirable street chair. Has steel elliptic springs that absorb the vibration and jarring so annoying to invalids. This chair is recommended for very hard service.

- G-1634 Gendron Rolling Chair,  
No. GM-631, with oval steel  
rims .....\$41.00  
G-1634A Gendron Rolling Chair,  
No. GM-632, with  $\frac{3}{4}$ -in. rub-  
ber tires ..... 50.00  
G-1634B Gendron Rolling Chair,  
No. GM-633, with 1 in. rubber  
tires ..... 65.00

Dimensions for Nos. GM-631-2-3:

	Wide Size Inches	Narrow Size Inches
Height of back from seat.....	31	31
Height of seat from floor.....	24	24
Height of seat from ad- justable foot-rest.....	16	16
Height of seat from sta- tionary foot-rest.....	18	18

Height of stationary foot-rest from floor.....	6 $\frac{1}{2}$	6 $\frac{1}{2}$
Depth of seat.....	20	20
Width of seat between arms.....	19	17
Height of arms from seat.....	9 $\frac{1}{2}$	9 $\frac{1}{2}$
Diameter of large wheels.....	28	28
Diameter of small wheels.....	10	10
Width over all.....	29	27

Weight, crated, 110 lbs.

## FIXED ROLLING CHAIR

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. 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.

- G-1636 Gendron Rolling  
Chair No. GM-646WS, with  
wood wheels, steel rim-  
med .....\$27.50  
G-1636A Gendron Rolling  
Chair No. GM-647, with  
 $\frac{3}{4}$ -in. rubber tires..... 43.50  
G-1636B Gendron Rolling  
Chair No. GM-648, with 1-  
inch rubber tires..... 50.00  
Steel Elliptic Springs, extra. 2.50  
Dimensions for Nos. GM-646-7-8:

	Inches
Height of back from seat....	20 $\frac{1}{2}$
Height of seat from floor....	21
Height of seat from foot- board .....	17 $\frac{3}{4}$
Height of arms from seat....	9 $\frac{3}{4}$
Depth of seat.....	18
Width of seat between arms..	18 $\frac{1}{4}$
Diameter of front wheels....	28
Diameter of rear wheels....	10
Width over all.....	29

Weight crated, 90 lbs.

This chair can only be furnished in width stated above.



Gendron Rolling Chairs Are Made on Honor. See That You Get the Gendron When  
You Order.

QUALITY GUARANTEED—Specify section letter and number in ordering.



## INVALID COMFORTS

### Gendron Rolling Chairs

#### FIXED ROLLING CHAIR

An exceptionally well made and comfortable reed chair. With folding footboard and extension wood push handle, with steel elliptic springs that absorb the vibration and jarring so annoying to invalids. This chair is built for hard usage, and owing to the large 14-inch front wheels, which run in a straight line, the chair will travel over ordinary obstructions without jarring the occupant.

- G-1638 Gendron Rolling Chair, No.  
 GM-2661, with oval steel rims....\$38.50  
 G-1638A Gendron Rolling Chair, No.  
 GM-2662, with  $\frac{3}{4}$ -in. rubber tires 52.00  
 G-1638B Gendron Rolling Chair, No.  
 GM-2663, with 1-in. rubber tires.. 60.00

Dimensions for Nos. GM-2661-2-3:	
Size	Inches
Height of back from seat..	27
Height of seat from floor..	22
Height of seat from foot-board .....	19
Height of arms from seat..	11
Depth of seat.....	17
Width of seat between arms	17
Diameter of rear wheels...	28
Diameter of front wheels..	14
Width over all.....	29
Weight crated, 100 lbs.	

#### FIXED ROLLING CHAIR

With extension wood push-handle and steel elliptic springs that absorb the vibration and jarring that is so annoying. This chair is very similar to that used at the Chicago World's Fair. It is an exceptionally roomy and comfortable chair, and has made many friends.

- G-1640 Gendron Rolling Chair, No.  
 GM-2667X, with oval steel rim wheels ....\$37.50  
 G-1640A Gendron Rolling Chair, No.  
 GM-2668X, with  $\frac{3}{4}$  - in. rubber tires .....\$50.00  
 G-1640B Gendron Rolling Chair, No.  
 GM-2669X, with 1 - in. rubber tires .....\$60.00

Dimensions for Nos.  
 GM-2667-8-9: Size

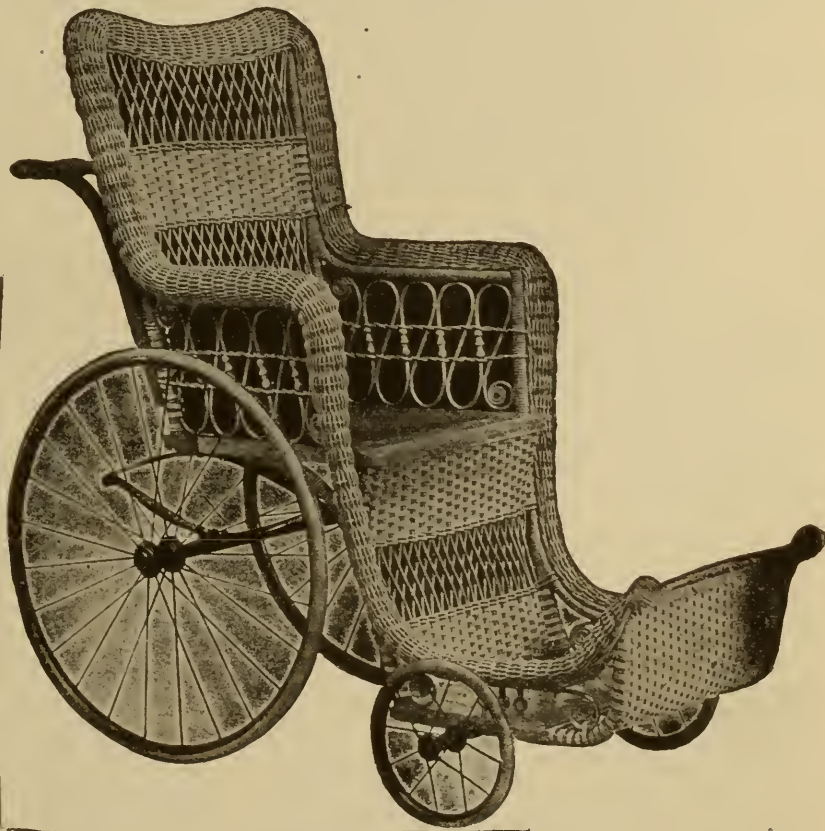
Inches	
Height of back from seat....	27
Height of seat from floor....	22
Height of seat from foot-board .....	15½

Height of arms from seat.....	11	Diameter of rear wheels.....	26
Depth of seat.....	17	Diameter of front wheels.....	10
Width of seat between arms.....	18½	Width over all.....	28½
Weight crated, 90 lbs.			

A positive hand brake, on either of these chairs, extra, \$3.00.

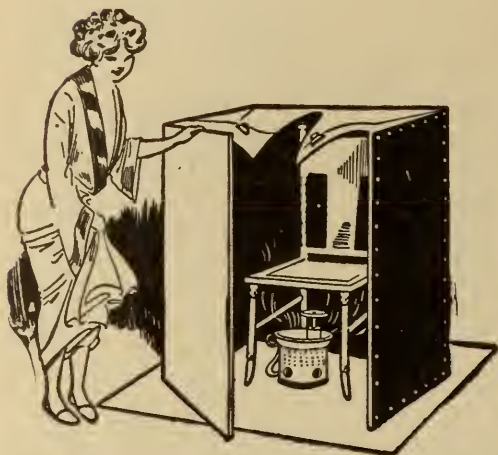
**Gendron Rolling Chairs Are Made on Honor. See That You Get the Gendron When You Order.**

**QUALITY GUARANTEED—Specify section letter and number in ordering.**





## ROBINSON TURKISH BATH CABINETS



No need for physicians to send their patients to Hot Springs or a Sanitarium, as the Robinson Folding Bath Cabinet will give them as good treatment in their own homes. The only Cabinet made with four curtain top, also four different temperatures, avoiding a chance in taking cold. Many thousands of people have been assisted to recovery from weakness, over-fatness, rheumatism, gout, neuralgia, sciatica, colds, la grippe, bronchitis and pneumonia, kidney and bladder trouble, liver and stomach trouble, constipation, etc., by the Robinson Turkish Bath Cabinet.

Our Cabinet puts you in a position to take any of the Turkish, Russian, Vapor or Medicated Baths, and which cost from \$1.00 to \$2.00 each in a regular bath house; Robinson Cabinets bring these baths within the reach of all. Costs only 2 cents a bath.

Robinson Bath Cabinets are unique and original in design, and are made on the most scientific principles. When set up ready for use they occupy a space of 28x30 inches and are 42 inches high. When not in use the steel frame folds in one inch space. The top is in four pieces, securely sewed to the sides and overlapping each other at four corners, giving four

different temperatures of heat, which is a great convenience when entering the cabinets as well as when cooling off.

### PRICE LIST

- No. 3. Single wall, rubber lined, steel cabinet. Folds in one inch space. The covering is the best cabinet drill of an attractive printed design; complete, including our No. 2 Heater (improved) and directions.....\$5.50
- No. 2. Heavier material than in No. 3, with No. 1 Heater, wood or steel frame.. 7.50
- No. 1. Double wall, wood or steel frame cabinet, wood frame made of thoroughly seasoned poplar, will stand either dry heat or vapor without warping; air space of one inch between walls which are non-absorbent, germ-proof, and easily rendered aseptic; folds in six inch space, steel frame two inches; two thicknesses of cloth laid together, complete including our No. 1 Heater (improved). No. 1 Face Steamer.....12.50

### BATHS IN BED FOR THE SICK

The Robinson Reclining Cabinet is made in two sections, being easily lengthened or shortened. When in use it is 65 inches long, 20 inches wide at the top, 30 inches wide at the bottom and 14 inches high. When closed the Cabinet is only 2 inches thick, 14 inches wide and 30 inches long. It weighs but 12 pounds. Extra sizes made to order at small additional cost.

This Cabinet comes at two prices, \$10.00 and \$15.00. The \$15.00 Cabinet is made of double faced goods and lined. Rubber finish inside and out, no cloth showing, germ-proof, cannot be soiled and is easily sponged off after using. This is the best grade for physicians.

The lower grade Reclining Cabinet is made of single thickness cloth, with black rubber finish on the inside and cloth on the outside.



The Robinson Folding Bath Tub, guaranteed for 10 years, can be used in any room in the house and when not in use can be folded up

and laid away. Made of our exclusive Steeline Vulcanized material. Hot or cold baths can be taken. Size, inner dimensions, 5 feet long, 27 inches wide, 16 inches deep. Same size as ordinary bath tub; weighs but 15 pounds. Price.....\$10.00



### ODORLESS, SANITARY, GERMPROOF

Every home without sewerage needs one. Most convenient, meritorious home necessity in a century. A boon to sick people. Can be placed anywhere in the house.

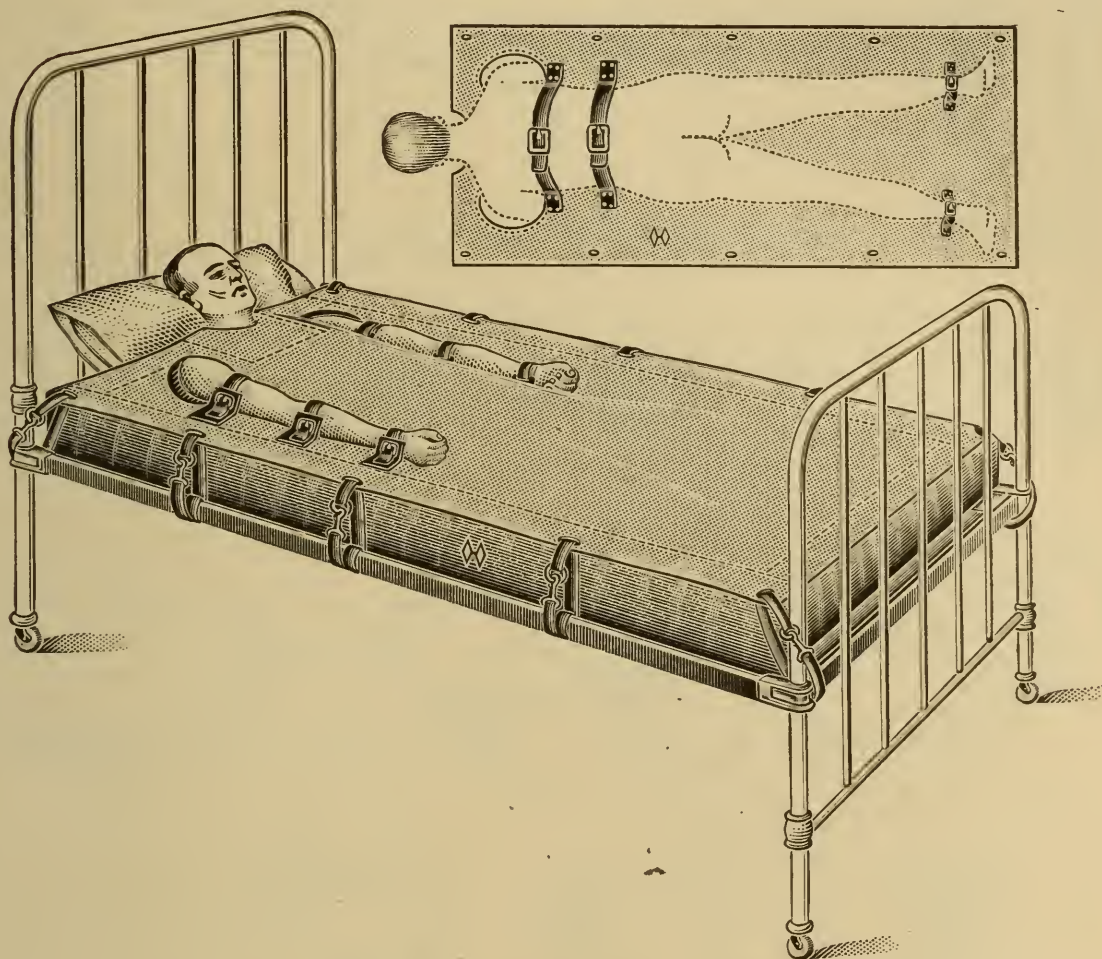
### MAKES OUTDOOR PRIVY UNNECESSARY

Put a warm Comfort Toilet in your home; a guarantee of healthy, sanitary conditions. Germ-life killed by chemicals in retort. Emptied once a

month—no more trouble than throwing out coffee grounds. Need no other attention. Boards of Health endorse it. Price.....\$18.50



## HUMANE RESTRAINTS



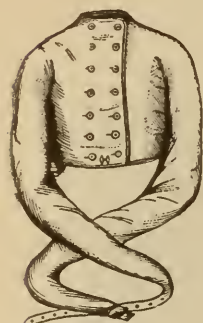
G-1695 SAS HUMANE RESTRAINT SHEET

The accompanying cuts show the Restraint-Sheet and Straight-Jacket Combined as it appears when in use, and also the upper and under surfaces. It can be very easily and quickly adjusted to any bed, cot or surgical table, and while it holds the patient in such a manner as to make it a matter of utter impossibility for him to escape, it makes it equally impossible for him to expose his person or to do himself any injury. After the patient has been confined in the Restraint-Sheet and Straight-Jacket Combined he may be left alone if necessary, for it does not require the care and attention of a nurse or attendant to keep the Sheet in place. The strongest man is helpless as an infant, once he is confined in the Sheet.

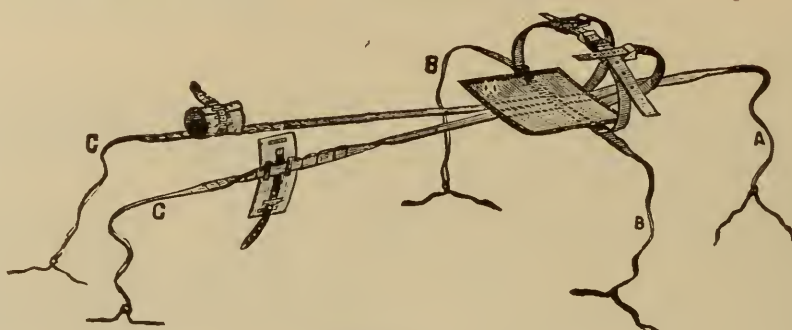
The Restraint-Sheet and Straight-Jacket Combined is made of heavy cotton duck, which is very durable. The main body of the Sheet is reinforced in two, three and four-ply, according to the strain put upon the part, the whole being quilted with rows of stitching, which lie two inches apart. The arm and ankle straps, as well as the neck and arm holes, are lined with Canton Flannel, to prevent chafing. Four grommet rings are provided on each side in which to work the straps which confine the sheet to the bed. Price .....\$15.00

**Circular Giving Complete Description Mailed on Request**

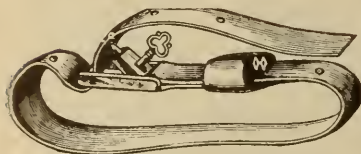
## HUMANE RESTRAINTS



G-1688



G-1670



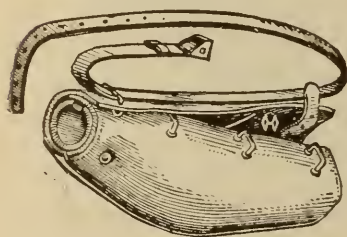
G-1684



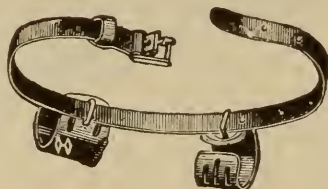
G-1676



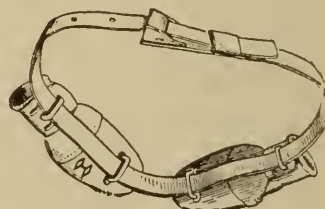
G-1672



G-1680



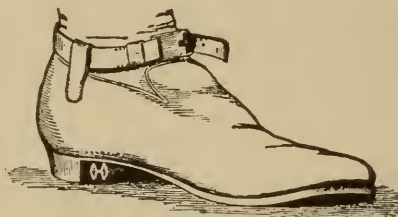
G-1686



G-1678



G-1674



G-1682

G-1670	Bed Strap. This is a new device for keeping delirious patients in bed; it is easily and quickly adjusted to any size person. Price.....	\$10.00
G-1672	Canvas Mitts, with waist strap, per pair.....	5.00
G-1674	Canvas Muff, with waist strap.....	5.00
G-1676	Leather Anklet, with large buckles, per pair.....	6.00
G-1678	Leather Mitts, with waist strap and lock buckle, per pair.....	8.00
G-1680	Leather Muff, with waist strap and lock buckle, complete.....	8.00
G-1682	Leather Sole Buckle and Strap, ready for attachment.....	2.50
G-1684	Leather Waist Strap, with improved lock buckle.....	2.50
G-1686	Leather Wristlets, with waist strap and buckle.....	5.50
G-1688	Straight Jacket, made of very heavy canvas with heavy straps and buckles, sleeves 72 inches long, to admit of their being wrapped around the patient securely; short, \$12.00; long.....	15.00
*G-1690	Straight Jacket, short, plain.....	6.00
*G-1692	Straight Jacket, long, plain.....	8.00

**G-1695. CASE No. 2, FOR JAILS, POLICE STATIONS, ETC.**

Bed Restraint .....	\$10.00
Pair Wrist Lock Mitts.....	8.00
Pair Wrist Lock Wristlets.....	5.50
Pair Anklets .....	6.00
Pair Canvas Mitts, with waist strap.....	5.00
Canvas Muff, without waist strap.....	2.50
Case .....	2.00
<b>Total .....</b>	<b>\$39.00</b>



## Section “H”

Deformity Apparatus

Fracture Apparatus

Splints

Splint Material

Elastic Hosiery

Abdominal Supporters

Crutches

Trusses

Suspensories, Etc.

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### NOTE

We have not sufficient space in this catalogue for the illustration and description of artificial limbs—Special literature on this subject will be mailed upon request.

## A WORD WITH YOU

In presenting this portion of our catalogue to our patrons, we find it impossible to illustrate all of the many forms of braces that we manufacture; we are, therefore, obliged to confine ourselves to those patterns most in use, assuring you that we are in a position to manufacture special apparatus of every description, and where patients are sent to us, to take full charge of them until accurately fitted.

### SPECIAL INSTRUCTIONS

1st. 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 the 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.

### DISCOUNT TO PHYSICIANS, 25 PER CENT FROM PRICES TO PATIENTS

#### FOR REFERENCE ONLY



Talipes Calcaneus

Talipes Equinus

Talipes Valgus

Talipes Varus



## FOR REFERENCE ONLY

**Cyphosis**

Posterior Curvature

**Pott's Disease**

Angular Curvature

**Lordosis**

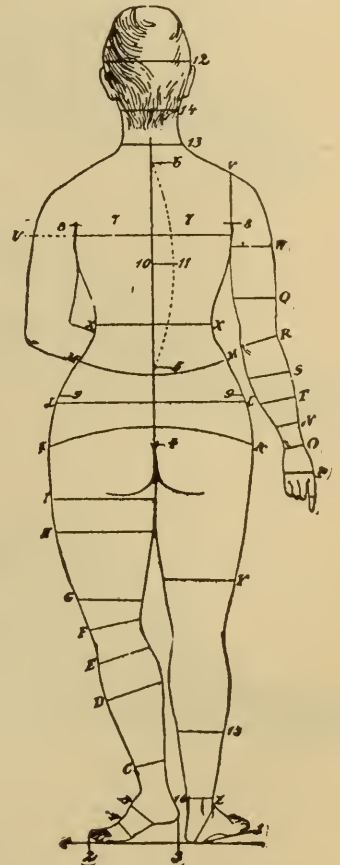
Anterior Curvature

**Scoliosis**

Lateral Curvature

**DIAGRAM FOR ORTHOPEDIC MEASUREMENTS****Explanations of Letters and Figures**

- A Ball of Foot.
- B Instep.
- C Above Ankle.
- D Calf.
- E Upper Calf.
- F Knee.
- G Above Knee.
- H Upper Third of Thigh.
- I Thigh at Perinaeum.
- K Trochanter Major.
- L Circumference at Pelvis.
- M Circumference at Umbilicus.
- N Forearm Above Wrist.
- O Wrist.
- P Circumference of Hand.
- Q Arm Above Elbow.
- R Arm at Elbow.
- S Upper Forearm.
- T Middle Forearm.
- U Circumference of Chest.
- V Circumference under Axilla and over shoulder.
- W Upper Arm.
- X Circumference of Waist.
- Y Lower Third of Thigh.
- Z Circumference Heel and Instep.
- 1 Sole of Foot.
- 2 to 3 Length of Foot.
- 4 Sacro Lumbar Articulation.
- 5 First Vertebra involved (in sketch).
- 6 Last Vertebra involved (in sketch).
- 7-7 Centers of Scapulae.
- 8-8 Axillae.
- 9 Crest of Ilium.
- 10 to 11 Extent of Curvature.
- 12 Circumference of Head.
- 13 Vertebra Prominens.
- 14 Base of Skull.
- 15 Leg below Calf.
- 16 Ankle.



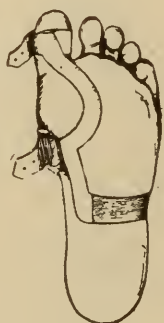
If we are to furnish shoes for deformity apparatus send the following measurements:

- 1 Trace outline of Foot on Paper.
- 2 Length of Foot (2 to 3).
- 3 Circumference above Ankle.
- 4 Circumference at Ankle.
- 5 Circumference of Heel and Instep (Z).
- 6 Circumference at B.
- 7 Circumference at A.
- 8 Circumference at Base of Little Toe.
- 9 State if for Right, Left, or both Feet.

## ORTHOPEDIC APPARATUS



H-10



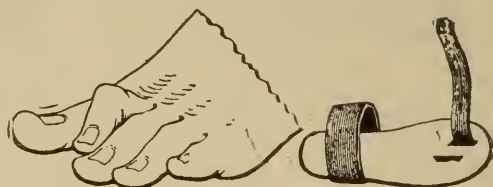
H-15



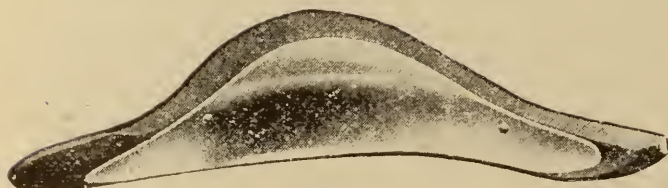
H-20



H-30



H-5



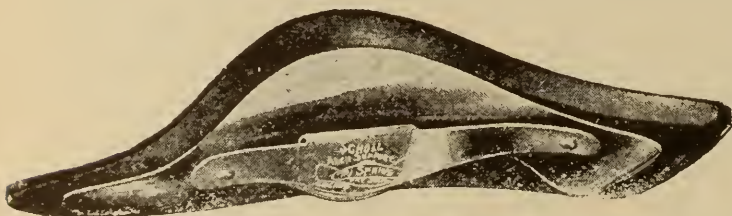
H-34



H-33



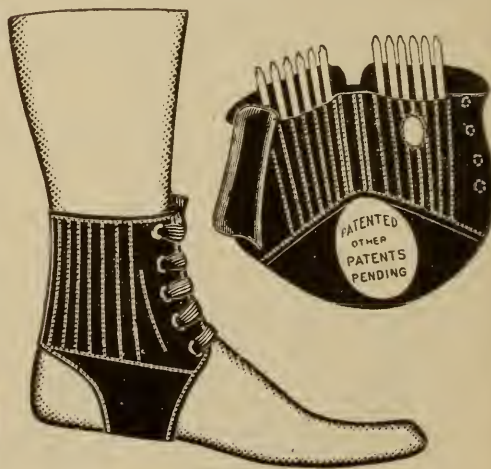
H-45



H-36



H-32



H-22



## ORTHOPEDIC APPARATUS



H-50



H-55



H-60

**H-5 Apparatus for Over-riding or Hammer Toes.** Price, each from \$5.00 to....\$15.00

The apparatus consists of a steel sole arranged with a slit or slits corresponding to the space between the toes. A strap passes through these slits over the contracted toe and is buckled or tied under the sole, tense enough to straighten the toe. It is kept in place by an elastic band. Measurements required: 1, Tracing of foot. 2, Circumference of ball of foot. 3, Circumference of instep (B).

**H-10 Apparatus for Bunions, Seseman's Improved Form.** Price, each.....\$8.00

This apparatus acts as a lever to draw the great toe into normal position, the fulcrum being not the bunion itself, but a point just back of the great toe joint. The illustration shows the mechanism very clearly. In ordering send careful tracing of foot.

**H-15 Apparatus for Bunions, London's Improved.** Price, each.....\$2.50

In ordering mention size of shoe, state whether brace is for right or left foot, and send outline drawing of the naked foot. Also measure the circumference of the great toe, also measure waist of foot.

**H-20 Ankle Brace, Pugsley's.** Price, each, from .35 to.....\$1.25

**H-21 Ankle Brace, Pugsley's. Lined.** Price, each, from .50 to..... 2.00

These supporters are made of thin stiffened sole leather, conforming anatomically to the shape of the ankle, and are to be worn inside the shoe.

**H-22 Ankle Brace or support, Collis.** Black sateen, men's sizes 6 to 12, women's sizes, 3 to 8. Each.....\$0.75

**H-23 Ankle Brace or Support, Collis.** Black leather, men's sizes, 6 to 12, women's sizes, 3 to 8. Each..... 1.00  
Children's sizes, 11-12-13-1-2. Each..... .65

**H-30 Arch Instep Support, London's** Full length, leather covered both sides. Per pair ..... 2.50

**\*H-31 Arch Instep Support, London's.** Half length, leather covered both sides. Per pair ..... 2.00

**H-32 Arch Instep Support, Arrowsmiths'.** German silver, with heavy leather tops. Per pair, from \$4.50 to..... 5.50

**H-33 Arch Instep Support, Foot Eazer.** Two German silver springs, one sliding upon the other; heavy leather top. Per pair..... 2.50

**H-34 Arch Instep Support, O. K.** German silver spring; sole leather top. Per pair 2.00

**H-36 Arch Instep Support, Tri Spring.** Is constructed with three springs of German silver, leather top..... 3.50

**H-45 Arch Instep Support, Whitman's.** Price, each, \$3.00 to..... 4.00

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 steel or German silver, fitted to a plaster cast of the foot, which must be sent with order if a satisfactory result is to be obtained.

**H-50 Extension Shoe, with cork or willow wood sole.** Price, each, \$8.00 to.....\$14.00

**H-55 Extension Shoe, with continuous steel extension frame.** \$7.00 to..... 9.00

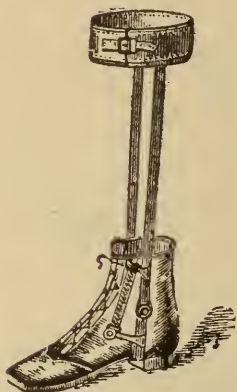
## DIRECTIONS FOR MEASUREMENTS

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.

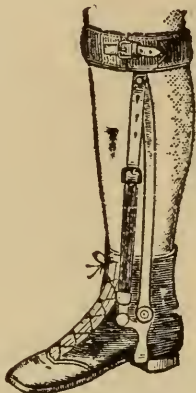
**H-60 Extension Shoe, Improved.** Price, from \$25.00 to.....\$35.00

This apparatus consists essentially of an inclined sole 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.

## ORTHOPEDIC APPARATUS



H-75



H-80



H-105



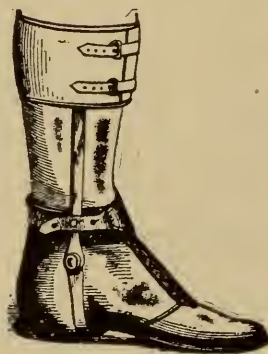
H-90



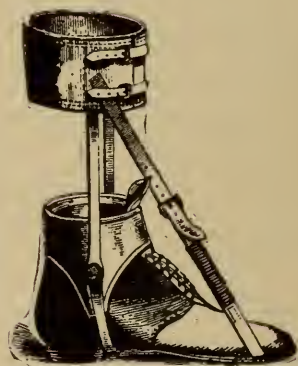
H-110



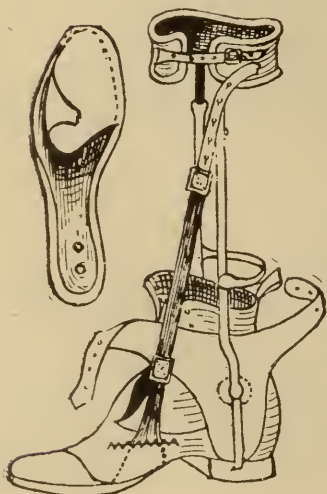
H-115



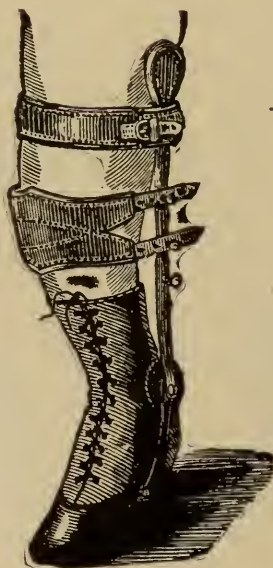
H-125



H-120



H-100



H-140



H-145



## ORTHOPEDIC APPARATUS

**H-75 Improved Apparatus for Talipes Calcaneus.** Each, \$10.00 to.....\$12.00

A spiral spring working between two brackets, one above and one below the ankle joint, depresses the front part of the foot by extension.

**H-80 Improved Apparatus for Talipes Equinus.** Each, \$10.00 to.....\$15.00

An elastic band or muscle attached to a bracket below this ankle joint and fastened to calf band above. Can be regulated to secure the exact tension necessary to overcome the deformity.

**H-90 Improved Apparatus for Varus or Valgus.** Each, \$10.00.....\$15.00

A shoe with metal sole, jointed near the heel allows lateral motion. A spiral spring at the side for traction and another spiral spring from ball of foot to calf band exercises the tension necessary to make correction of the deformity.

**H-100 Weiner's Improved Apparatus for Club Foot.** Each, \$15.00 to.....\$18.00

An inner sole of German silver, covered with leather is fastened to inner edge of shoe. A strip, passing through a slit in the shoe and terminating in an elastic muscle, is attached below the calf band, which when drawn tight turns the foot inward and upward to make the desired correction.

**H-105 Wyeth's Club Foot Shoe.** Each.....\$10.00

**H-110 Detmold's Ankle Brace.** Each, \$7.50 to..... 10.00

For weak ankles and after treatment of club foot. A wire tempered steel spring is attached to the shoe and terminates at the top in a calf band. The bending of this spring is forward and outward and when brought to the leg, by its padded bands, lifts the toes and averts the foot so as to bring the sole of the latter to the floor.

**H-115 Weak Ankle Brace.** Price, each, \$7.50 to.....\$10.00

Consists of a well fitting laced shoe, two steel uprights with joint at ankle, a stirrup passing under instep and attached to shoe, a well padded calf band, and a pad on inner or outer side as the case might indicate.

**H-120 Weak Ankle Brace.** Price, each, \$9.00 to.....\$12.00

Same general construction as H-115, with the addition of an elastic muscle, for elevating the toes, when a contracted tendo-Achillis is indicated.

**H-125 Weak Ankle Brace.** Price, each, \$7.50 to.....\$10.00

Same general construction as H-115, with broad strap at ankle in place of pad.

## MEASUREMENTS REQUIRED

1. Patient's name and sex.
2. Right, left, or both feet.
3. Length from floor to ankle joint.
4. Length from floor to calf.
5. Circumference of ankle joint.
6. Circumference of calf.
7. Send outline drawing showing shape of foot or feet.
8. Any additional information.

## MEASURE FOR SHOES

- a. Length of sole of foot, inches.
- b. Circumference ball of foot, inches.
- c. Circumference of instep, inches.
- d. Circumference above ankle, inches.

**H-140 Single Bar Apparatus for Bow-Leg.** Price, each, from \$9.00 to.....\$11.00  
Per pair, from \$17.00 to..... 21.00

This apparatus has one supporting bar, jointed at the ankle, and with pads at the knee and ankle-joints. The bar is fastened on the shoe and placed on the inner side of the leg, where it is secured by a well-padded band passing around the limb below the knee. A wide bifurcated band passes around the curved part of the leg and is fastened by straps attached to both ends of the band to buttons placed on the steel bar for this purpose.

**H-145 Double Bar Apparatus for Bow-Leg.** Price, each, from \$12.00 to.....\$15.00  
Per pair, from \$22.00 to..... 25.00

The limb is supported by two steel bars, one on the outer and one on the inner side of the leg, fastened below to the shoe and above to a band surrounding the thigh. These bars are jointed at the ankle and knee to allow perfect freedom of motion. They are kept in place by the thigh-band, and also by a band below the knee.

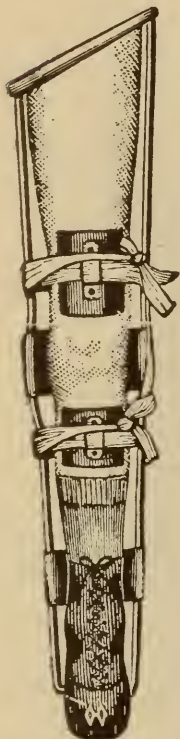
The deformity is corrected by pads placed respectively against the ankle and knee on the concave side of the limb, and a wide leather band passed around the highest point of the arc.

## MEASUREMENTS REQUIRED

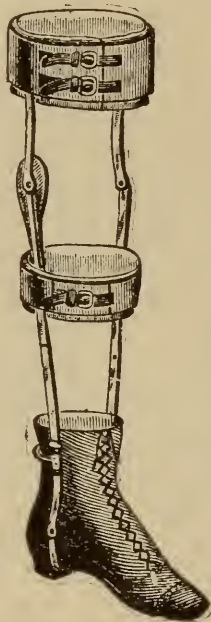
1. Patient's name, sex, age, weight.
2. If wanted for right, left, or both legs.
3. Length from sole of foot to ankle joint, inner side.
4. Length from sole of foot to knee joint, inner side.
5. Length from sole of foot to knee joint, outer side.
6. Length from sole of foot to lower third of thigh, inner side.
7. Length from sole of foot to most prominent part of arc.
8. Circumference at ankle joint.
9. Circumference at calf.
10. Circumference at knee joint.
11. Circumference at lower third of thigh.
12. Send well fitting pair of strong, laced shoes.

**NOTE**—Strong lace shoes should be sent us. If we furnish shoes, they will be charged extra.

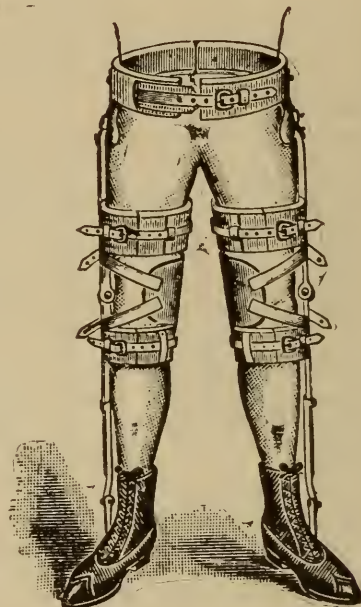
## ORTHOPEDIC APPARATUS



H-172



H-150



H-155

**H-150 Plain Apparatus for Knock Knee.** Price, each, from \$12.00 to.....\$15.00

The one represented is the simplest and most convenient in slight cases for the patient to wear, while its efficacy is none the less. It consists of a plain shoe, to which two lateral steel bars, reaching to the upper third of the thigh, are attached, and connected with calf and thigh bands; it is provided with joints corresponding with the natural articulations to allow locomotion. The knee is confined in its normal condition by a well-padded pad.

**H-155 Knock Knee Apparatus.** Price, per pair, \$30.00 to.....\$40.00

It consists of two lateral stems, with joints at the ankles, knees and hips, extending from the heels of strong shoes to a well-padded pelvic band. The pelvic band is made in two halves in order to admit of adjustment—the tightening of the posterior buckle everting the toes, that of the front buckle inverting them. Two well-padded leather caps placed on the inside of the knee joints are buttoned to the steel bars on the outside. Well-padded steel bands encircle the leg above and below the knee pads, holding the brace in proper position.

## MEASUREMENTS REQUIRED

1, Patient's name and age. 2, Length from sole of foot to ankle joint, inches. 3, Length from sole of foot to knee joint, inches. 4, Length from sole of foot to hip joint, inches. 5, Length from sole of foot to iliac crests, inches. 6, Circumference of ankle joint, inches. 7, Circumference of calf, inches. 8, Circumference of knee joint, inches. 9, Circumference of middle of thigh, inches. 10, Circumference of body 2 inches below crest of ilium, inches. 11, Right, left, or both legs. 12, Send tracing of leg or legs with patient in recumbent position.

Send us a pair of well fitting, strong laced shoes. Shoes will be charged extra if we furnish them.

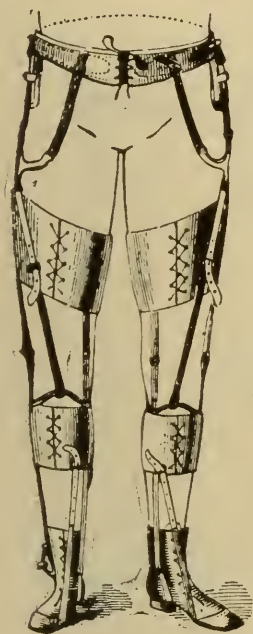
**H-172 Thomas' Knee Splint.** Price, each, \$10.00 to.....\$12.50

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.

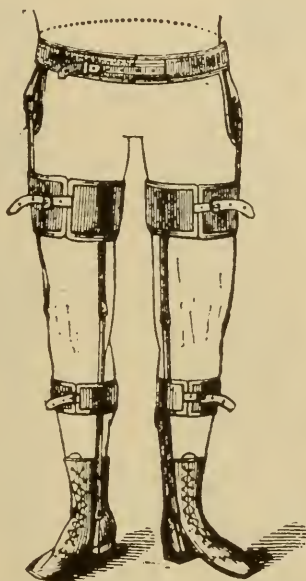
1, Length from floor to perineum, inside of leg. 2, Length from floor to trochanter, outside. 3, Circumference of ankle joint. 4, Circumference of calf. 5, Circumference of knee. 6, Circumference of upper third of thigh. 7, Outline drawing of leg.



## ORTHOPEDIC APPARATUS



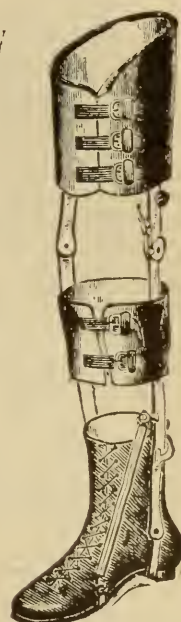
H-210



H-185



H-215



H-205

**H-185 Apparatus for Support of Weak Limbs.** Adults', price, \$25.00 to.....\$70.00

**H-190 Apparatus for Support of Weak Limbs.** Children's, price, \$25.00 to.....\$35.00

This apparatus is for the support of weak legs when, by reason of relaxed joints, softening of the osseous structure or partial paralysis, they cannot quite bear the weight of the body, but when the muscles still retain some power to perform their respective functions. Very light steel springs are secured to shoes, and carried up the sides of the legs to the pelvis; they are provided with joints corresponding to the natural ones, and secured to calf, thigh and pelvis by well-padded bands and buckles.

**\*H-195 Apparatus for Support of Weak Leg.** Adults' Price, \$25.00 to.....\$40.00

**\*H-200 Apparatus for Support of Weak Leg.** Children's Price, \$15.00 to..... 20.00

This apparatus is similar to H-185, and is intended for the relief of cases where only one limb is affected.

**H-205 Lock Joint Apparatus for Paralysis.** Price, each, \$30.00 to.....\$40.00

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 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 encasements for the thigh and leg are of strong leather and are well padded.

**H-210 Apparatus for Paraplegia.** Price, \$35.00 to.....\$70.00

This apparatus excites the muscles to action, aiding them by artificial substitutes, made of elastic rubber or steel, placed on the brace so as to gently exercise the affected parts. We attach these artificial muscles for flexion or extension, as the case may require. The apparatus is riveted to the shoes and consists of two strong upright bars for each leg, jointed at the ankle, knee and hip; to which steel bands, well padded, are fastened, encircling the leg and thigh. We make these appliances either with plain joints or with joints having coiled springs at the knee by which, when the leg is bent backwards and the power relaxed, it will involuntarily spring forward.

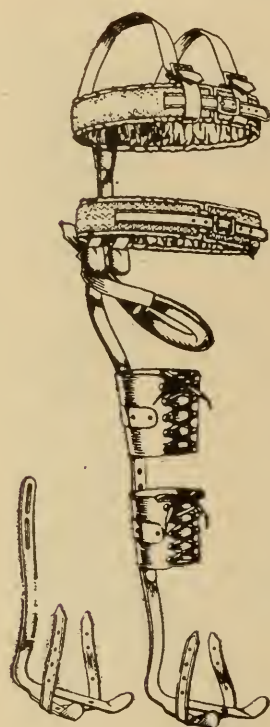
**H-215 Apparatus for Hemiplegia.** Price, \$25.00 to.....\$40.00

Apparatus same as H-210, but intended for one leg only.

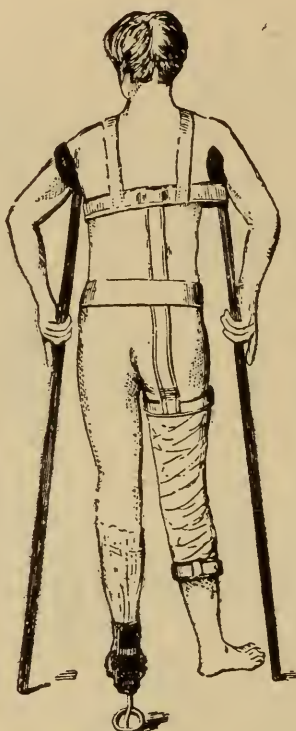
## MEASUREMENTS REQUIRED

1. Patient's name and description of the case.
2. Patient's age.
3. Right, left, or both legs.
4. Length from sole of foot to ankle joint, inches.
5. Length from sole of foot to knee joint, inches.
6. Length from sole of foot to trochanter major, inches.
7. Length from sole of foot to crest of ilium, inches.
8. Circumference of calf, inches.
9. Circumference of knee, inches.
10. Circumference above knee, inches.
11. Circumference of thigh, inches.
12. Circumference of pelvis one inch below iliac crests, inches.
  - a. Length of sole of foot, inches.
  - b. Circumference of ball of foot, inches.
  - c. Circumference of instep, inches.
  - d. Circumference above ankle, inches.

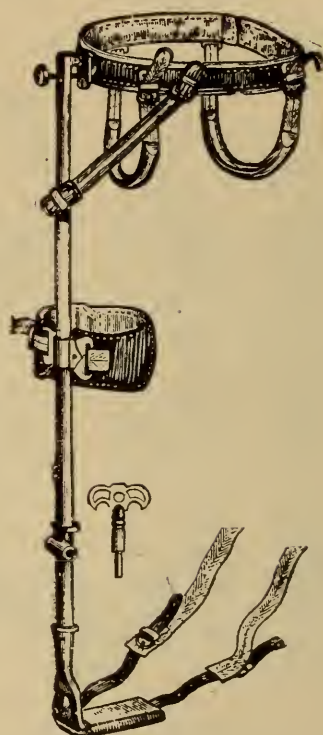
## ORTHOPEDIC APPARATUS



H-230



H-225



H-220

**H-220 Sayre-Taylor Long Hip Splint.** Price, \$25.00 to .....\$40.00

This apparatus consists of a well-padded pelvic band having two perineal straps, a hollow steel upright connected to the pelvic band by a rotating hinged base, with screw for abduction, a well padded band at the knee and a cross piece below which acts as a foot rest. Extension is made by means of a rack and pinion mechanism in the lower part of the upright. Straps attached to the cross piece are buckled to the shoe or to adhesive strips properly applied above the ankle.

## MEASUREMENTS REQUIRED

1. Sex, weight and age of patient.
2. Length from sole of foot to crest of ilium, inches.
3. Length from sole of foot to center of knee joint, inches.
4. Circumference of body 1 inch below crest of ilium, inches.
5. Circumference of knee joint, inches.
6. Right or left leg.
7. General condition of patient.

**H-225 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.

**H-230 Davison's Modification of Thomas' Hip Splint.** Price, including cork extension, \$30.00 to .....\$35.00

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  $1\frac{1}{2}$  or 2 inches high is worn on the sound limb. Patients must furnish their own laced shoes.

## MEASUREMENTS REQUIRED

1. Stand patient on sound leg, placing books or blocks under the diseased leg until the spine is straight. Take piece of strip lead and make countour of limb from scapula, over buttock and posterior part of leg, to point below the swelling of the calf. Transfer to paper, marking off calf, knee joint, middle of thigh, and crest of ilium.
2. Circumference below calf, inches.
3. Circumference of calf, inches.
4. Circumference of knee joint, inches.
5. Circumference of lower third of thigh, inches.
6. Circumference of upper third of thigh, inches.
7. Circumference 2 inches below crest of ilium, inches.
8. Circumference of chest under axillae.



## ORTHOPEDIC APPARATUS



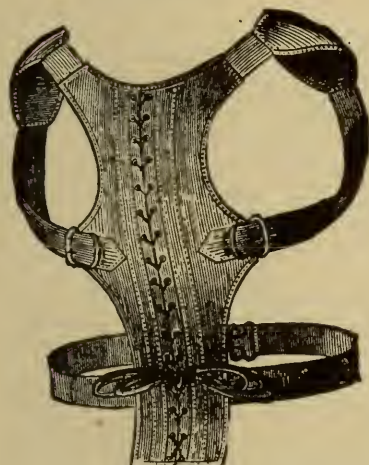
H-260



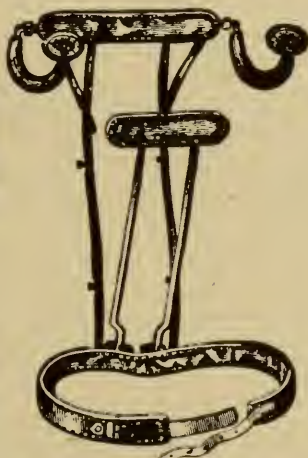
H-285



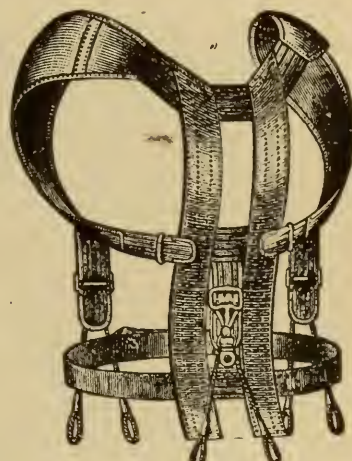
H-225



H-245



H-280



H-275

## SHOULDER BRACES

- H-245** The "Corset Back," japanned springs, covered with fine jean, sizes from 10 to 19 inches back.....\$1.50  
**H-255** The "Gray's," ladies', 4 sizes. Each..... 1.50  
**H-260** The "Gray's," 3 sizes, boys', \$2.00; youths', \$2.25; adults'..... 2.50  
**H-270** The "Steel Spring," leather covered, japanned springs, sateen shoulder caps; sizes from 10 to 19 inch back..... 1.50  
**H-275** The "Steel Spring," men's leather covered, japanned springs, sateen shoulder caps, suspender attachments, sizes from 10 to 19 inch back... 2.00

## BRACES FOR ANTERO-POSTERIOR CURVATURES

- H-280** Stillman's, Anterior-Posterior Brace. Price, from \$30.00 to.....\$40.00

This brace is composed of a light double pair of springs. The under springs are somewhat shorter and are provided with a pad at their extremities for pressure on the dorsal region when the brace is applied. By means of ratchets the power of the springs is regulated. To make the brace effective, the curves of the under springs are made the reverse of the curves of the deformity.

- H-285** Nyrop's Antero-Posterior Brace. Price, from \$12.00 to.....\$15.00

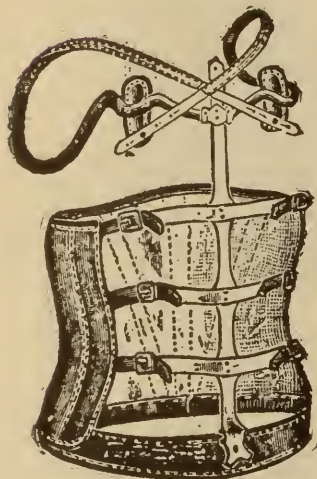
This brace consists of a steel pelvic band well padded, to which is attached a tempered steel upright, so shaped as to exert a corrective force upon any upper dorsal flexion, a metal cross piece at the upper end of the upright terminates in round auxiliary straps. Measurements required, same as H-280.

## MEASUREMENTS REQUIRED

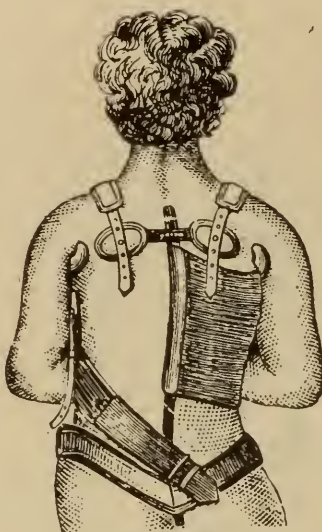
1, Sex of patient. 2, General appearance of patient. 3, Lay a soft piece of lead wire along the back, moulding it exactly to the spine, from the seventh cervical vertebra to the middle of the sacrum. With this pattern trace carefully the shape of the spine on a sheet of paper, marking the points opposite the upper and lower borders of the scapula and the crest of ilium. 4, Circumference of body between crest of ilium and trochanter major. 5, Circumference of body at waist. 6, Circumference of body under axilla. 7, Distance between the upper borders of the scapula. 8, Distance between the lower borders of the scapula.



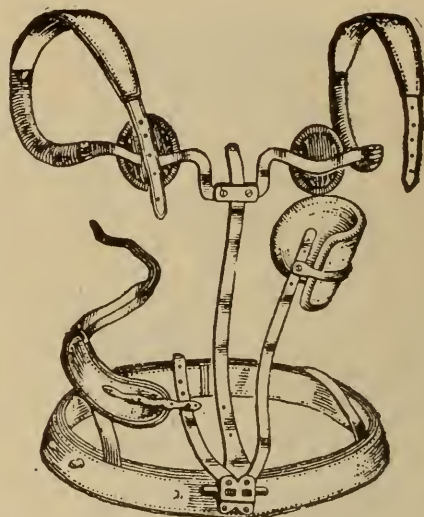
## ORTHOPEDIC APPARATUS



H-295



H-305



H-315

## SPINE BRACES

**H-295 Johnstons Spinal Support, for Anterior Curvature.** Price from \$20.00 to..\$30.00

Attached to a well-padded pelvic band is an upright steel bar to which is fastened by an adjustable arm, pads for the scapulae. This adjustable arm terminates in well-padded crutch horns fitted accurately under the axilla to relieve the weight of the body, the straps passing over the shoulder, continuing diagonally across the back, and buttoning on the scapular pad of that side. On the upright steel bar three or more steel springs, well tempered, are fastened. These springs are so shaped that they act as strong levers. The broad abdominal band is made of satteen jean, interlaced with some elastic material and buckled by straps to these springs.

## MEASUREMENTS REQUIRED

1, Patient's sex, age and weight. 2, Distance from vertebrae prominens to sacro lumbar articulation. 3, Distance from axilla to crest of ilium, right side. 4, Distance from axilla to crest of ilium, left side. 5, Distance from center of right to center of left scapula. 6, Circumference of waist. 7, Circumference of chest under axilla. 8, Circumference of pelvis 1 inch below crest of ilium. 9, Circumference of arm under axilla and around shoulder. 10, Place a flexible strip of metal along the spine, moulding it exactly to its curves from the seventh cervical vertebra to the middle of the sacrum. With this as a pattern, trace carefully the curve obtained upon a sheet of paper, marking upon it location of following points: Upper and lower borders of the scapulae, crest of ilium and affected parts of the spine. Send us this tracing.

**H-305 Improved Brace for Lateral Curvature.** Price, \$25.00 to.....\$35.00

To the pelvic belt are attached, laterally, two elastic crutches, so as to relieve the spine of the weight of the trunk. Posteriorly, a single, strong, upright bar, holding a couple of adjustable pads for the scapula, and just below, a leather band, of proper width, terminating in strong India-rubber webbings. This band is passed around the protuberance obliquely, and buckled to the pelvic belt in front, an inch or two beyond the linea alba.

**H-315 Lever Brace for Lateral Curvature.** Price.....\$45.00

This apparatus consists of a well padded steel pelvic band, to the posterior center of which is attached an upright steel bar, its curves conforming to those of the spine, and holding at its upper extremity upon an adjustable cross-piece two oval pads, resting upon the shoulder blades when the brace is applied.

Attached to the ends of the adjustable cross-piece, are padded crescent-shaped crutches, terminating in padded shoulder straps which fasten on buttons, placed upon the oval shoulder blade pads.

To the posterior center of the pelvic band is attached also a metal box, containing two archimedian screws which move with the aid of the key so as to exert and maintain any amount of pressure against the protuberances.

## MEASUREMENTS REQUIRED

1, Patient's name( or sex). 2, Patient's age. 3, Patient's weight (estimated). 4, Distance from sacro lumbar articulation to vertebra prominens. 5, Distance from sacro lumbar articulation to first vertebra involved. 6, Distance from sacro lumbar articulation to last vertebra involved. 7, Distance from crest of ilium to axilla, right side. 8, Distance from crest of ilium to axilla, left side. 9, Distance from the center of one scapula to the center of the other. 10, Horizontal (transverse) diameter of the protuberance. 11, Circumference of chest under axillae. 12, Circumference of pelvis one inch below the iliac crests.

In addition to the above measures, please state if the convexity of the curve is to the **right** or **left** side.



ORTHOPEDIC APPARATUS



BRACES FOR LATERAL CURVATURE

**H-320 The Beely Spinal Corset.** Price, \$50.00 to.....\$75.00

This appliance was devised by Dr. F. Beely, of Berlin, Germany, and is used by him with excellent results. Its use has been very satisfactory where the surgeon has succeeded in having the corset properly made and accurately fitted to patient. It can be used in the treatment of either scoliosis or kyphosis, though Dr. Beely recommends it particularly for the former deformity. It is made over a cast of the patient, which should be made while the patient is suspended, or it is fitted to the patient himself, where convenient. The appliance is made of strong cloth and spring steel work, except the pelvic portion, where the steel should be malleable. It is made to lace front and back, admitting of easy removal or application. Axillary crutches support the trunk, and the careful fitting over the hips gives a good foundation to a proper corrective force. If the patient cannot come to our establishment for a fitting, a plaster mould of the body, made in the usual way (it must come low down over the pelvis), must be sent to us carefully boxed, with such particulars of the case as will aid us in the construction of the corset.

**H-325 The Vienna Extension Corset Brace, for Lateral and Posterior Curvatures.**  
Price, \$35.00 to.....\$50.00

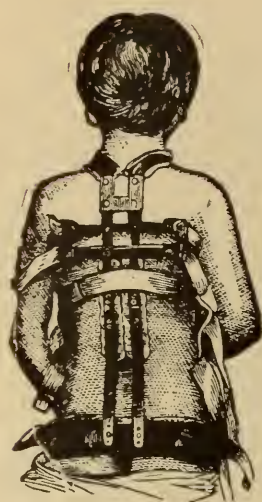
This corset is made of strong white cloth, reinforced with whalebone strips. A steel pelvic band, adjustable over the sacrum, is curved to fit over the crest of ilium, so that the weight of the extension crutches rests on the soft parts. The crutches are adjustable, and may be extended as the growth 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 Potts' Disease they are placed in an entirely different position from those shown in the illustration.

A constant elastic pressure is exerted 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.

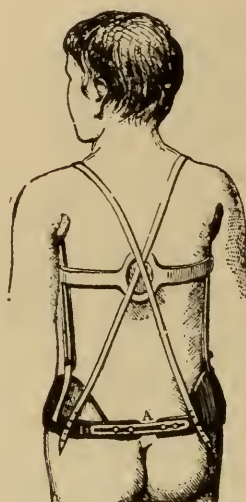
**H-330 Sole Leather Jacket, for Lateral Curvatures.** Price.....\$25.00  
**\*H-335 Sole Leather Jacket, with jury mast attachment.....** 35.00

This jacket is made of sole leather, lined with chamois, with well padded crutches under the arm, made to lace with hooks in front. Leather body is perforated for ventilation. These jackets in order to obtain the best results must be made over a plaster cast of the body made from a plaster jacket, put on the patient while suspended. These jackets should be made under our own supervision to insure the best results.

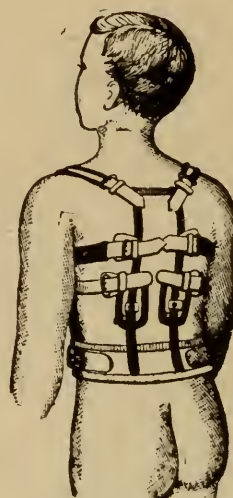
## ORTHOPEDIC APPARATUS



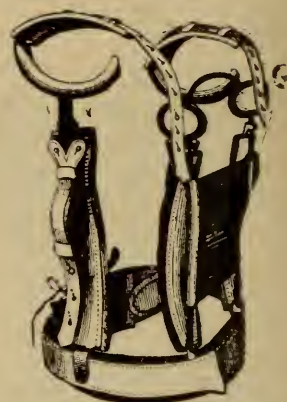
H-355



H-350



H-345



H-340

## BRACES FOR POSTERIOR CURVATURES

**H-340 Improved Brace for Potts' Disease.** Price.....\$35.00

This brace is intended to afford an elastic and gentle pressure to the parts to which it is applied, giving to the patient an easy and comfortable feeling. It is made of light tempered springs, and softly padded wherever it comes in contact with the body.

The belt below passes around the pelvis, and the principal weight is thrown upon the gluteal region. Two upright parallel rubber bars pass on each side of the posterior elevation, having a portion of silk elastic rubber between them, for the purpose of preventing further curvature. If the latter is inflamed, a portion cut out of the elastic material prevents direct pressure upon the extremity of the bone. Upon these side bars are attached two elliptic and padded springs, yielding to every pressure, adapting themselves to the spinal column, and keeping the body in an erect position. The two padded crutches are elastic and elevate the body, pressing mostly under the margin of the scapula.

**H-345 Washburn's Spinal Brace for Potts' Disease.** Price, \$15.00 to.....\$20.00

In the accompanying figure a band of steel, which passes half way around the pelvis just above the trochanters; two flat bands of steel parallel to each other, and curved upon their flattened sides to the form of the patient. These bars are curved a little less than the spine, so that when secured in position, their elasticity will operate to rectify the spinal curve. The cross-bar at the upper ends of the parallel ones is firmly riveted to them, and crosses the back just above the spines of the scapulae. At the ends of this bar are affixed buckles which receive the shoulder straps. Buckles are attached to various parts of the brace by means of which it is secured to the front part of the apparatus, which consists of a piece of strong material covering the chest and abdomen.

**H-350 Lannelongue's Spinal Brace for Pott's Disease.** Price, \$20.00 to.....\$25.00

This brace consists of a well padded pelvic band, with slide adjustment over sacrum, two adjustable crutches extending from the crest of ilium to the axillae, well padded caps, fitting over the crest, straps passing from shoulder crutches in front and fastened to the pelvic band behind, these straps exerting pressure upon a fenestrated horizontal band, passing over the vertebrae prominens, and attached to the crutch uprights.

**H-355 Taylor's Spinal Brace for Pott's Disease.** Price, \$20.00 to.....\$30.00

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 well padded curved 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 axillae and buckling to the upper horizontal bar. Two pads made either of leather filled with cork or curled hair, or of hard rubber are adjusted to the uprights and fitted on each side of the vertebrae prominens. An apron in front is attached to the lower horizontal bar and pelvic band to sustain the abdomen and exert pressure.

## DIRECTIONS FOR MEASUREMENTS

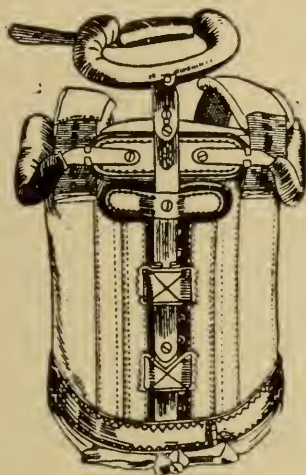
1. Style of brace wanted.
2. Patient's name (or sex).
3. Patient's age.
4. Patient's weight (estimated).
5. Distance from sacro lumbar articulation to vertebra prominens, inches.
6. Distance from sacro lumbar articulation to first vertebra involved, inches.
7. Distance from sacro lumbar articulation to last vertebra involved, inches.
8. Distance from crest of ilium to axilla, right side, inches.
9. Distance from crest of ilium to axilla, left side, inches.
10. Distance from the center of one scapula to the center of the other, inches.
11. Horizontal (transverse) diameter of the protuberance, inches.
12. Circumference of chest under axilla, inches.
13. Circumference of pelvis one inch below the iliac crests, inches.



## ORTHOPEDIC APPARATUS



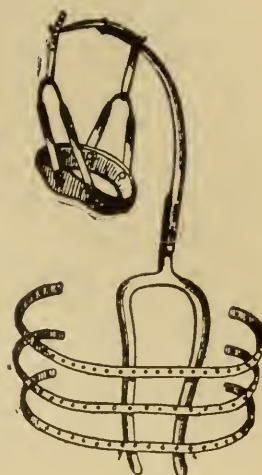
H-360



H-365



H-365



H-370

## BRACES FOR POSTERIOR CURVATURES

**H-360 Taylor's Brace for Posterior Curvature**, with attachment for diseased cervical region. Price, \$30.00 to.....\$50.00

This brace is of the same construction as H-355, with the addition of the chin piece as shown. This attachment can be adjusted in such a manner as to take the weight of the head from the diseased vertebrae.

**H-365 Mueller's Corset Brace, for Posterior Curvature**, with attachment for diseased cervical region. Price, \$30.00 to.....\$50.00

This is without doubt the most practical brace for this trouble that it made. It consists of a well padded pelvic band, curving over the crest of the ilium to obtain the best bearing surface with the most comfort, a spinal upright to which is attached a pad pressing on each side of the vertebrae prominens, a pad crossing the scapulae, to which is attached arm crutches, well padded and fitted with should straps as shown. A corset fitting the body closely is worn on the inside of the apparatus. A head piece well padded is attached as shown.

## DIRECTIONS FOR MEASUREMENTS.

1. Sex of patient.
2. General appearance of patient.
3. Lay a soft piece of lead-wire along the back, moulding it exactly to the spine, from the seventh cervical vertebra to the middle of the sacrum. With this pattern trace carefully the shape of the spine on a sheet of paper, marking the points opposite the upper and lower borders of the scapula and the crest of the ilium.
4. Circumference of body between crest of ilium and trochanter major.
5. Circumference of body at waist.
6. Circumference of body at axillae.
7. Distance between the upper borders of the scapulae.
8. Distance between the lower borders of the scapulae.
9. Distance, if any, from top of brace to vertebra prominens.
10. Distance from same point to base of skull.
11. Circumference of head and chin.
12. Lateral diameter of head close under ears.
13. Antero-posterior diameter from chin to back of neck.
14. Take a piece of bar lead and get outline of back and neck, and show same on paper.

**H-370 Sayre's Jury Mast**, for incorporation in a plaster jacket. Price.....\$12.00

This consists of two pieces of malleable iron, bent to fit the curve of the back. To the lower portion are attached three or more roughened tin strips, long enough to go nearly around the body. From two cross pieces of the upper extremity springs a central shaft, carried in a curve over the head and capable of being elongated at will. To this is attached at its upper extremity a swivel cross bar with hooks, from which depend straps supporting a head and chin collar.

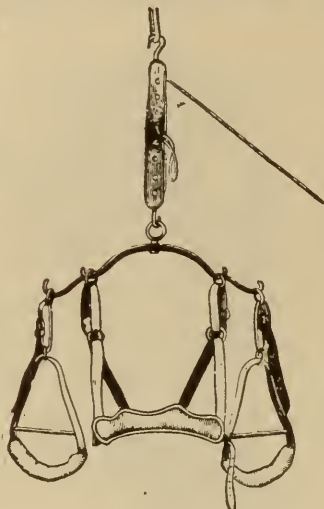
## DIRECTIONS FOR MEASUREMENTS

1. Bend a flexible strip of lead to the contour of the back, commencing at the top of the head, and carefully carry it along to the sacrum; carefully remove and trace on paper, marking the position of the scapulae, iliac crests and point of disease.
2. Give circumference top of head, around chin.
3. Circumference around cranium.
4. Circumference of pelvis, one inch below iliac crests.

## ORTHOPEDIC APPARATUS



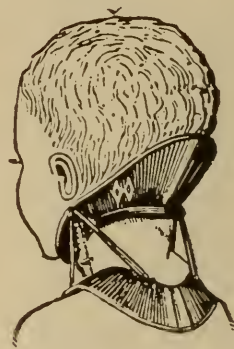
H-375



H-385



H-390



H-380

## TORTICOLLIS AND SUSPENSION APPARATUS

**H-375 Markoe's Apparatus for Torticollis.** Price, \$35.00 to.....\$45.00

"This apparatus is constructed in the following manner: An upright steel bar is pasted to a pelvic band, and carried along the spine to a little below the level of the shoulders, secured in position by straps passing forward over the shoulders, backward under the axillae, and fastened to buttons or pads situated over the scapulae.

"A steel lever for extension of the neck is provided inferiorly with a slot, to admit of adjustment, and connected with the upright bar by means of two screws; the top of this lever is made to form a powerful clamp, for the purpose of holding the head-band and of securing the head in position. The head-band is formed of a steel-spring, carried half around the back of the head, softly padded, the covering extended to the front and buckled there. A strap may also be passed across the top of the head from ear to ear.

"A bandage, the size and shape of the patient's chin, is buttoned to this hand-band laterally with four straps. Fastened to the steel spring of the head-band is a steel stem about one inch or less in length, terminating in a ball; this is held within the grasp of a clamp, thus forming a universal joint, moving freely in all directions. By turning the thumb-screw with which the clamp is provided, the movement of the joint is arrested and the head of the patient may thus be fixed in any position."

## DIRECTIONS FOR MEASUREMENTS

1. Patient's name (or sex).
2. Patient's age.
3. Patient's weight.
4. Circumference of body under axilla, inches.
5. Distance from sacro-lumbar articulation of the spine to the vertebra prominens, inches.
6. Distance from the same point to the base of the skull, inches.
7. Distance from crest of ilium to axilla, each side, inches.
8. Circumference of the head at the base of the skull over the ears and upper line of the forehead, inches.

**H-380 Robert's Apparatus for Torticollis.** Price.....\$25.00

This apparatus is designed to secure, at the seat of disease, continuous elastic vertebral extension and voluntary articular motion, together with the avoidance of inter articular pressure and friction. It consists essentially of two encasements, an upper or cervico cephalic and a lower or cervico-thrunkal segment. The upper one has a clasp under the chin, which can be opened or closed by means of a key, thus permitting of easy removal or reapplication. The lower one is provided with a hinge posteriorly and a clasp anteriorly. The surfaces pressed upon by these two enveloping segments serve as points for counter pressure. Elastic linear extension of the cervical spine is affected by means of two strong spiral springs playing upon upright steel rods, which are placed on either side of the neck.

## MEASUREMENTS REQUIRED

The apparatus requires careful adjustment. This necessitates the patient's presence at our establishment to insure a perfect fit.

- |        |   |         |
|--------|---|---------|
| *H-385 | Sayre's Suspension Apparatus, plain pulleys. Aluminum bronze finish.. | \$ 9.00 |
| H-387  | Sayre's Suspension Apparatus, compound pulleys.....                   | 12.00   |
| H-388  | Sayre's Suspension Apparatus, nickel plated trimmings.....            | 10.50   |
| H-389  | Sayre's Tripod, jointed .....   | 12.50   |

## MEASUREMENTS REQUIRED

1. Sex of patient.
2. Weight.
3. Height.
4. Circumference of head around the chin and back of neck. In taking this measurement care should be exercised that the tape encircles these parts in an even horizontal line.

**H-390 Sayre's Gymnastic Apparatus, with tripod.** Price.....\$18.00  
Canvas bag for carrying same..... 4.00



## FRACTURES

Of the Hip, Thigh, Patella, Leg, Ankle, Cases of Non-Union, Dislocations, Sprains, Knee or Hip Joint Diseases Treated with the Patented

### AMBULATORY PNEUMATIC SPLINT

Result in Bone Union Without Shortening or Deformity.

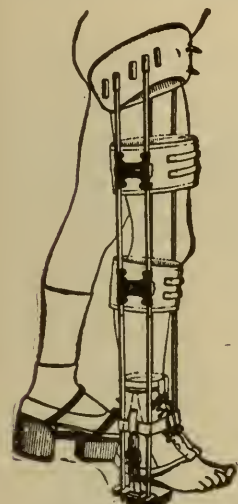
Recommended, Ordered and Used by Best Surgeons Everywhere.

Every Progressive Physician and Surgeon should recommend it to his patients in need of this modern splint. They would gladly pay for its rental if they but knew of its many advantages in the treatment of their case. To apply patient is not put to sleep or pain caused. It does away with fracture box, improvised splints, weights, pulleys, lying in one position in bed, and plaster casts.

It may be put on at time of injury and fracture reduced with it or it may be put on later, but in most cases the sooner the better. Its use prevents hypostatic congestion of lungs and heart by having patient's bed raised a foot or more. It permits of rolling patient onto splint side for bathing and rubbing of back and hips, to prevent bed sores, and when ready to get patient out of bed, the splint is a safe, comfortable walking support for the limb, thereby increasing general strength and health of patient while union is taking place.

The adjustment is simple, easily made for right or left limb of male or female patient for all of the various purposes for which the splint is used and when supplied with measurements, we send it fitted, ready to apply with all parts tagged with printed directions. Guaranteed to be satisfactory to you in every respect.

It is an open dressing permitting of Frequent Inspection, Bathing, Dressings to injuries of soft tissues, Ventilations, Massage and Early Painless Use of the Limb with Perfect Safety.



It is easily applied without pain and allows the patient to move around in bed, sit up or walk about at once, gradually prolonging the period of activity each day until recovery is complete.

It reduces the reduction of fractures and dislocations to a comparatively easy, safe, accurate and reliable setting, retaining the fractured bones in their proper position.

It permits the application (if desired) of supporting posterior, lateral, or anterior padded clothboard apposition splint for Hip, Thigh or Leg Fracture. A full set of which are furnished with each splint, also leather buckling straps for adhesive strap extension in connection with the pneumatic cushion extension and counter extension on and between the bony prominences of the ankle and foot and tuberosity of the ischium.

It is far superior to any other form of appliance or method of dressing, as with it patients are the most comfortable, able to walk about, eat and sleep better, are stronger and convalesce with "no ill after effects" in the most rapid manner possible—thereby shortening the period of disability from business or work in no case less than one-third and in many cases one-half of the time that would be required without the use of this splint.

It carries out all of the surgical and mechanical principles: Extension and Counter-Extension on and between bony prominences, both above and below the injury; Immobilization; Maintenance of a Free Circulation; Gradual Daily Extension until subsidence of inflammatory exudate is complete and satisfactory continuity has been secured; Inspection; Judicious Exercise; Dressings as Indicated; Traction—Lateral; Anterior and Posterior, as required for perfect approximation; Massage; Ventilation; Bathing, etc.

It aids you in preventing shortening, deformity, non-union of bone, malpractice suits and pays for itself by increasing any doctor's practice and reputation for best results.

It is made and finished in a first-class manner of the very best quality of cold hard drawn, light seamless brass tubes (non-rustable) with adjustable extension screws and cushions of durable webbing covered with flannel containing pure gum rubber pneumatic cushions with adjustable air valves.

It is made in two sizes—adult's and child's. It may be applied to either limb and adjusted to patients of various sizes. It will give perfect satisfaction to patient and surgeon; will wear for years and being washable may be applied in a clean condition any number of times for the various purposes for which it is used.

#### Rental to Patients, \$30.00

Includes two months' or less use of the appliance, surgical dressings and express charges prepaid to any point in the United States,

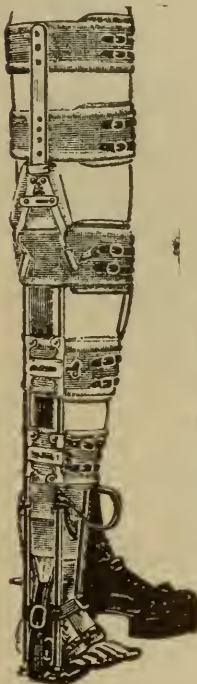
**ON RENTAL ORDERS.** On return of splint to us at end of rental period, we refund \$5.00 on each rental. If desired, the rental may be applied on the purchase. Prices on request.

**In Ordering, please state:** Splint to be adjusted for right or left limb? Shoe for male or female? Distance from sole of foot to perineum? Circumference of thigh at perineum? If for Femur or Hip Fracture or case of Hip-Joint Disease? State also Circumference of Hips? Of Chest? Distance from sole of foot to axilla? Express to whom? Purchase or rental order? Name and address of doctor.

**AMBULATORY PNEUMATIC SPLINT MFG. CO.**

30 E. Randolph St., Cor. Wabash Ave.

Chicago, Ill.

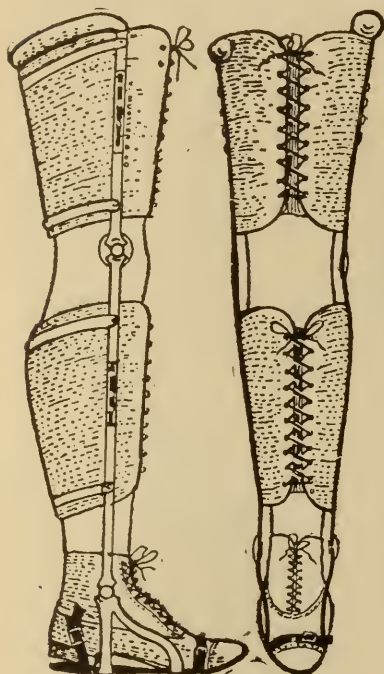




# APPARATUS FOR FRACTURES AND DISLOCATIONS

## H-400. THE WIENER-MUELLER SPLINT NO. 1

Price of Apparatus for use in ununited fracture, \$25.00 to.....\$35.00  
 Price of Apparatus for use in tubercular cases, including cork extension shoe for well leg, \$35.00 to..... 45.00



H-400

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 ichia to the floor, about  $1\frac{1}{2}$  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  $1\frac{1}{2}$  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.

## \*H-410 STROHMEYER'S APPARATUS FOR ANCHYLOSIS OF THE ELBOW JOINT. Price, \$18 to \$22.50

This apparatus is for the gradual extension of contracted muscles. By persistent and daily passive and active exercise, a flexible and useful joint may be restored. It may also be used for forcible breaking up of false ankylosis, if the surgeon prefers this to gradual extension. It forms also a safeguard against malposition, for should it be deemed impossible to effect a cure, the arm may be fixed in such a position to ankylose as shall give it the greatest usefulness.

### DIRECTIONS FOR MEASUREMENT.

1. Strohmeier's Elbow Splint.
2. Right or left arm?
3. Length from wrist to elbow joint (N to R).....Inches
4. Length from wrist to axilla (N to W).....Inches
5. Circumference of wrist (N).....Inches
6. Circumference of forearm (S).....Inches
7. Circumference of elbow joint (R).....Inches
8. Circumference of arm (Q).....Inches



H-415

## H-415 Strohmeier's Apparatus for Ankylosis of the Knee Joint. Price, \$20.00 to \$30.00

This apparatus is for overcoming muscular contractions of the knee joint and for favoring the re-establishment of motion in cases of false ankylosis.

It consists of metal troughs, for the reception of the thigh and leg, united by two lateral shafts, provided with joint at the knee. A knee cap, adjusted to buttons on the lateral shafts, with strong elastic straps, exerts pressure on the patella; whilst the instrument may be flexed and extended by means of a set screw.

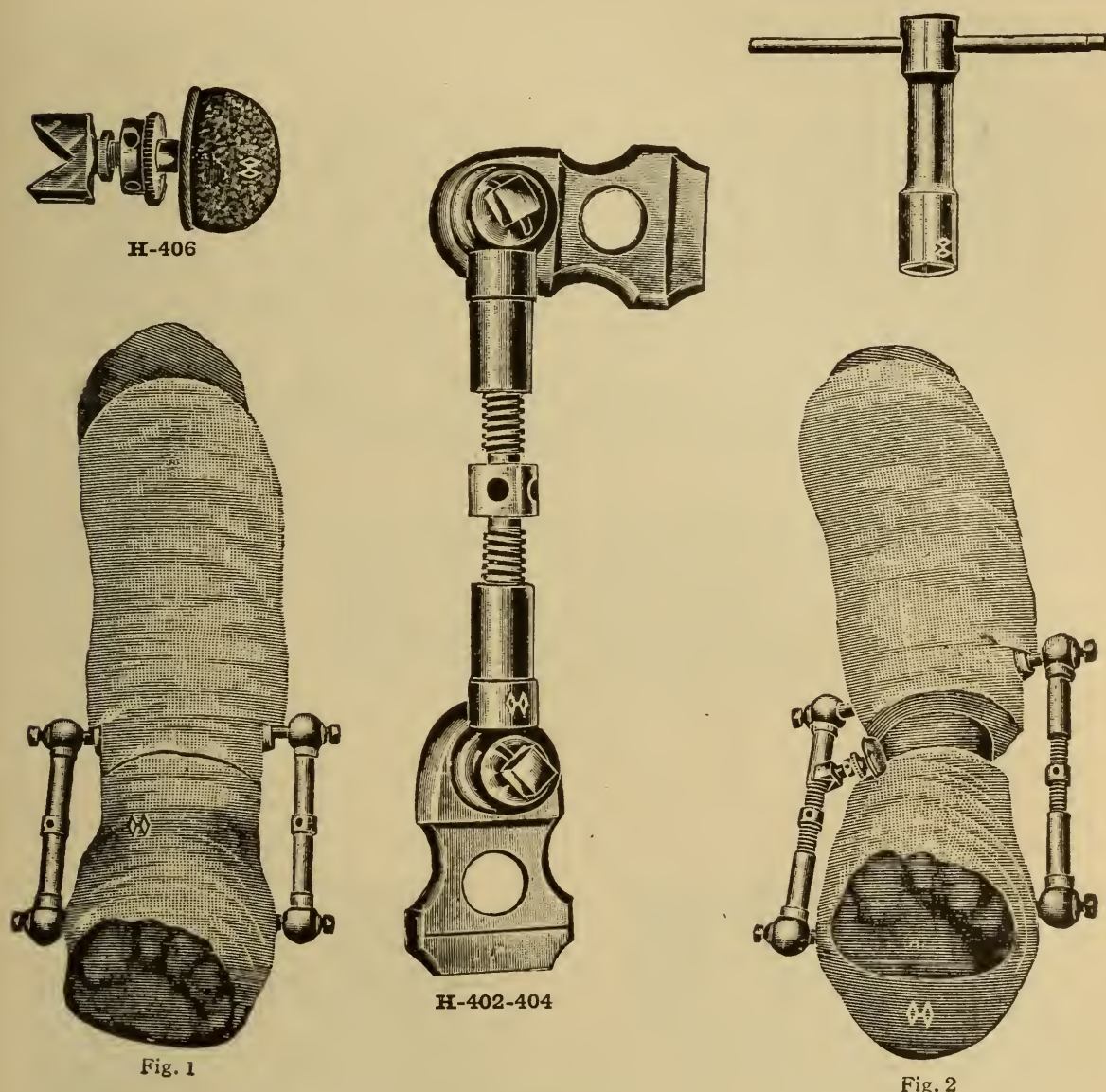
By persistent and daily passive exercise a flexible and pliable joint may be restored without confining the patient to bed or room. The mechanism is powerful and may be moved swiftly, adapting it to the forcible breaking up of adhesion as well, should the surgeon prefer this to gradual extension.

### DIRECTIONS FOR MEASUREMENTS

1. Circumference above knee, inches.
2. Circumference at knee, inches.
3. Circumference below knee, inches.
4. Circumference above ankle, inches.
5. Length from ankle to knee, inches.
6. Length from knee to upper third of thigh, inches.



## APPARATUS FOR FRACTURES AND DISLOCATIONS



## SPLINTS

H-402	Hackenbruch's Fracture Clamp, large size, for the femur.....	\$12.00
H-403	Hackenbruch's Fracture Clamp, medium size, for the humerus.....	12.00
H-404	Hackenbruch's Fracture Clamp, small size, for the forearm and for children .....	12.00
		Each
H-406	Hackenbruch's Pelotte, for bringing fragments in accurate apposition...	1.50
*H-407	Hackenbruch's "Factis" Pad, large, 20x3 inches.....	1.50
*H-408	Hackenbruch's "Factis" Pad, medium, 16x3 inches.....	1.25
*H-409	Hackenbruch's "Factis" Pad, small, 14x3 inches.....	1.25

Hackenbruch's Fracture Clamps are always used in sets of 2, consisting of 2 fastening wings, which are imbedded on both sides of the fractured limb by means of a plaster of paris bandage. The sleeves are forced apart by means of an expanding turn-buckle and thereby bring the fragments in apposition. The wings are attached to the sleeves by means of ball and socket joints, which can be brought to a fixed position by means of set screws.

Plaster of paris bandages are applied around the fracture limb, which has been padded underneath by "Factis" material, as shown in Fig. 1. As soon as this has properly hardened the cast is cut through in a circular way, in the plane of the fracture. By means of the expanding turn-buckle the fragments can be brought into proper apposition, as shown in Fig. 2.

In very difficult cases proper apposition can be facilitated by means of the Hackenbruch's Pelotte which consists of a screw with forked attachments. The cushion is placed against the fragments to be shifted, and the fork attachment against the sleeve of the clamp. By turning the screw a firm lateral pressure is applied and the fragment driven in the desired direction.

Full descriptive pamphlet upon application.

## DR. CHARLES GEIGER'S ORTHOPEDIC AND FRACTURE EXTENSION DEVICE

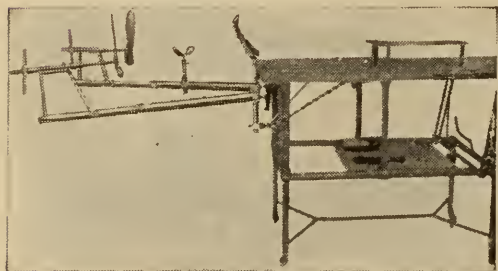


Exhibit A

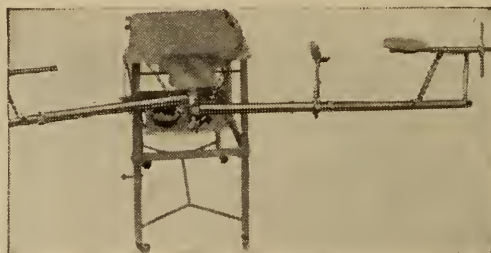


Exhibit C



Exhibit B

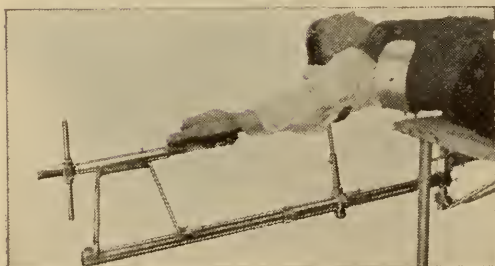


Exhibit D

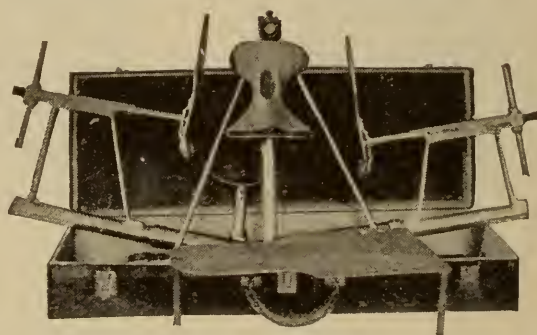


Exhibit E

This extension device makes orthopedic and fracture work easy for the surgeon—gives clearance and removes all obstruction, while applying plaster casts or dressings to hip or back, or any part of the body or limbs.

Perfect and continuous extension can be made on the smallest child as well as the largest man.

The operating table is not in the way while applying dressings to the extremities, as found in all other extension appliances.

The device is portable and can be attached to any operating table.

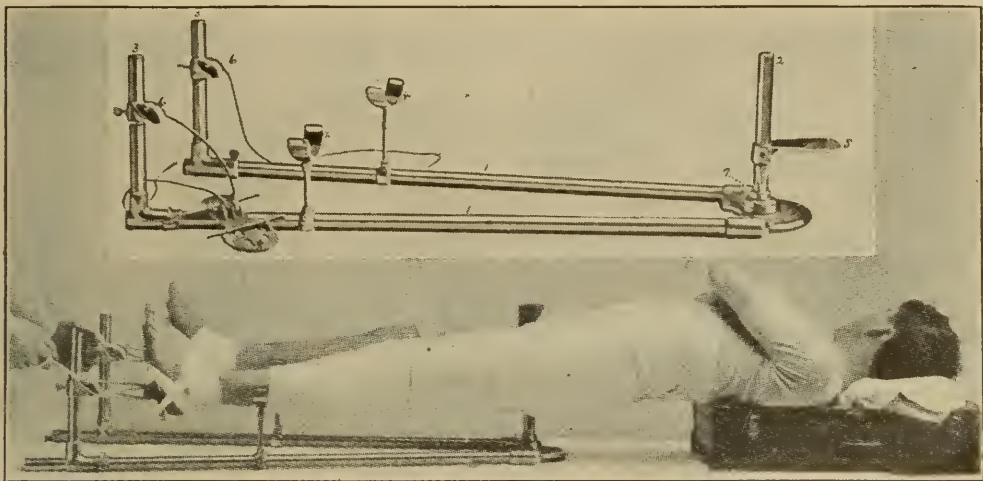
### PRICE

H-461	Dr. Charles Geiger's Orthopedic or Fracture Extension Device.....	\$93.00
H-462	Carrying Case, for extension device.....	6.00

**INFORMATION**—For further information, and more complete details, write to Dr. Charles Geiger, St. Joseph, Missouri, U. S. A.

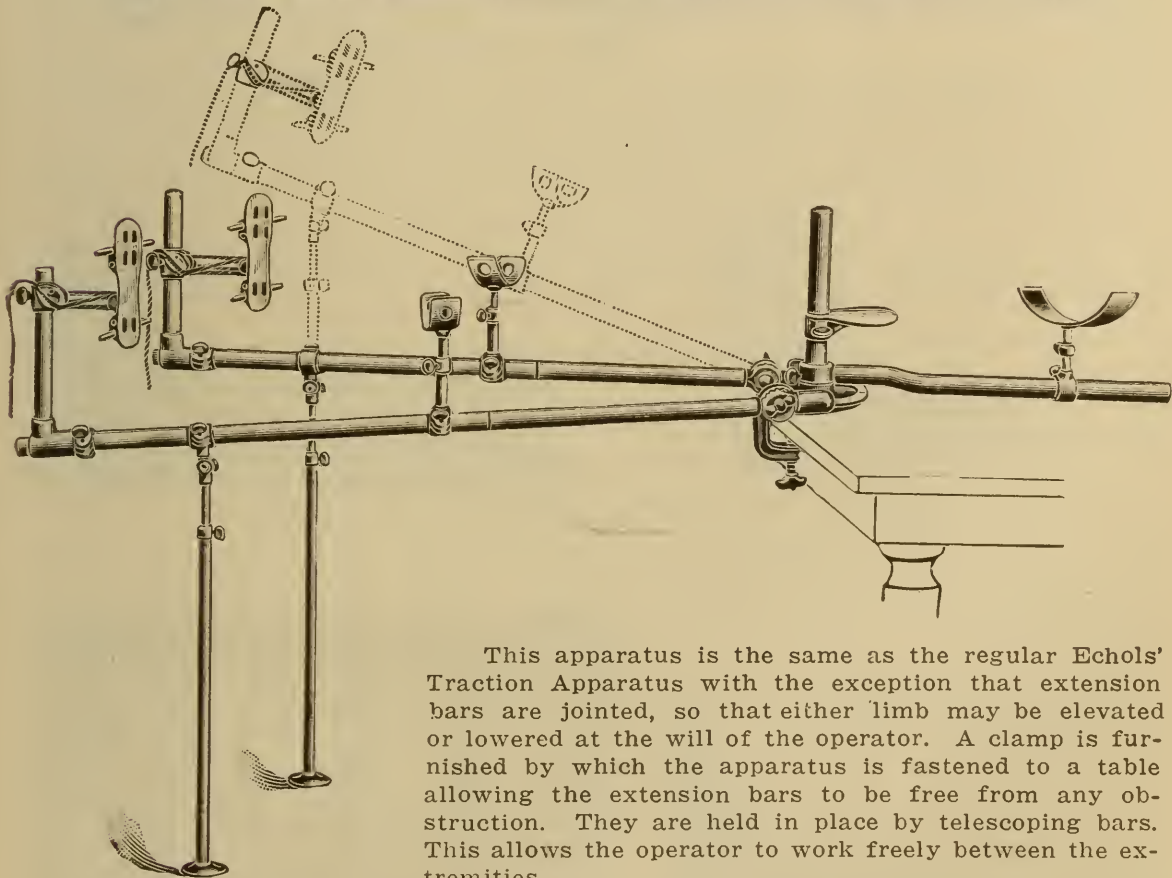


H-463. THE ECHOLS' TRACTION APPARATUS



With this apparatus traction and fixation for applying plaster of paris cast for the lower limbs or trunk can be obtained. It is also of the greatest service in fractures and in all open operations upon the long bones of the lower extremities, plaster casts for tubercular hip joints as well as the ambulatory treatment of fractures of the thigh by the plaster of paris cast method.  
Price, in carrying case.....\$48.00

H-464. ECHOLS' IMPROVED TRACTION APPARATUS  
MADE WITH BACK REST AND ADJUSTABLE LEG EXTENSION BARS



This apparatus is the same as the regular Echols' Traction Apparatus with the exception that extension bars are jointed, so that either limb may be elevated or lowered at the will of the operator. A clamp is furnished by which the apparatus is fastened to a table allowing the extension bars to be free from any obstruction. They are held in place by telescoping bars. This allows the operator to work freely between the extremities.

The back rest shown in the above illustration may be attached to our regular "Echols." It is designed to take the place of the suitcase or other material used to support the back. This back rest is adjustable in height as well as in length.

H-464	Price of complete apparatus, including back rest and adjustable extension bars .....	\$65.00
H-266	Without back rest .....	60.00
H-267	Back rest only .....	8.00

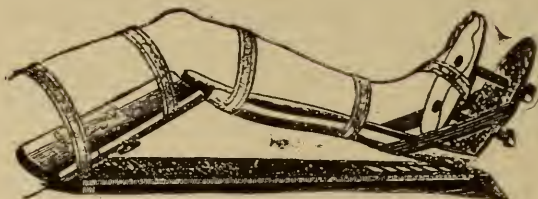
## APPARATUS FOR FRACTURES AND DISLOCATIONS



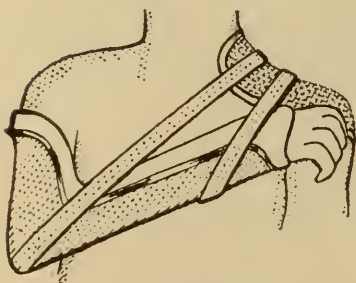
H-420



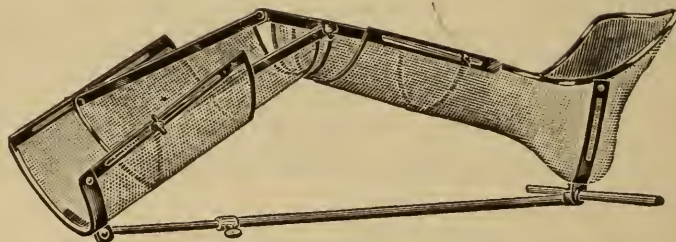
H-418



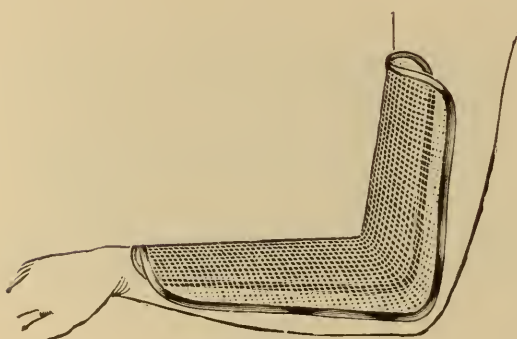
H-445



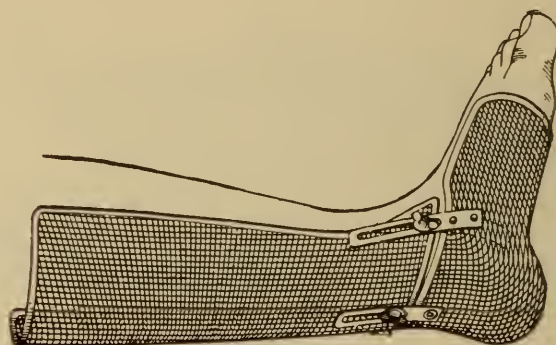
H-610



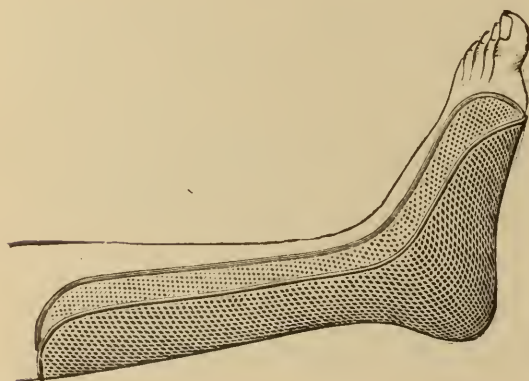
H-612



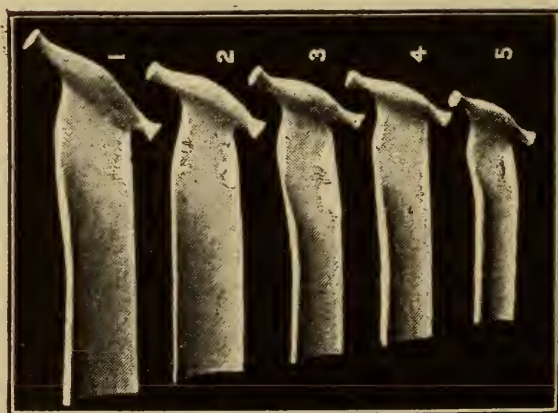
H-584



H-613



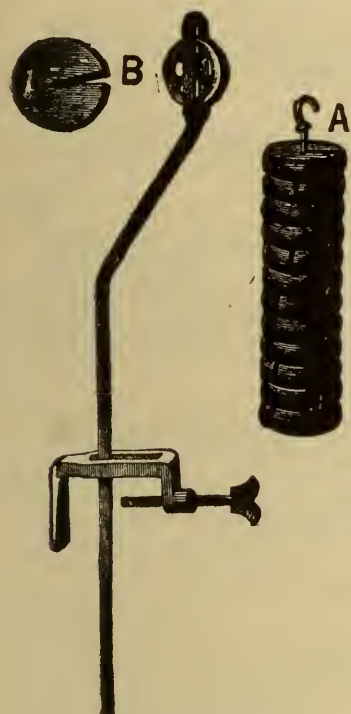
H-615



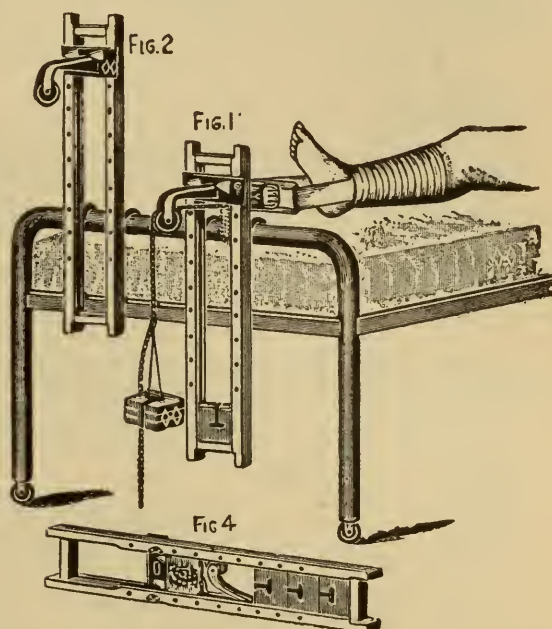
H-442



## APPARATUS FOR FRACTURES AND DISLOCATIONS



H-465



H-468

H-418 Matas' Adjustable Metallic Interdental Splint, complete set.....\$12.00

For treatment of fracture of lower jaw; set comprises adult, youth and child's mouth pieces or dental plates, and two sizes of chin pieces.

H-420 Hamilton-Collin's Apparatus, for fracture of the inferior maxillary. Price \$6.00

## MEASUREMENTS REQUIRED

A—Circumference of head. B—Circumference around chin and top of head. C—Distance from center of base of skull to center of forehead. D—Circumference at base of skull and around chin.

H-442 Walker's Set of Natural Form-Fitting Forearm Splints, 5 sizes, right and lefts. Each, \$1.00; per set of ten.....\$ 7.50

H-445 Double Inclined Plane, Pratt's, 3 sizes, \$4.50, \$5.00 and..... 5.50

H-450 Fracture Box, wood, 3 sizes.....Each 3.50

\*H-455 Hodgen's Suspension Splint, wire, plain, \$3.00 to..... 5.00

\*H-460 Hodgen's Suspension Splint, with extension foot piece, telescopic, adjustable to any length or width. Price..... 15.00

H-465 Levis' Extension Apparatus. Complete with weights..... 5.00

The amount of weight extension is simply effected by a series of one-pound weights suspended upon a rod bent into the form of a hook at the top, for catching in a loop in the extending cord.

H-468 The "Gorham" Complete Extension Apparatus.....\$6.50

The best apparatus for extension, and extension with flexed thigh. It is easily applied, consists of an oak frame, a sliding plate, spreader for adhesive stripe and set of weights. Descriptive Circular mailed upon request.

## DE PUY'S WIRE SPLINTS

H-610 Clavicle, Hawes', large, \$2.00; small.....\$ 2.00

\*H-583 Elbow Anterior, acute angle, large, \$1.00; medium, \$0.75; small..... .50

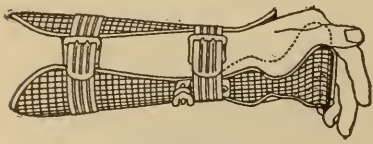
H-584 Elbow Anterior, right angle, large, \$1.00; medium, \$0.75; small..... .50

H-612 Leg, DePuy's Combination, adjustable inclined plane, large, \$10.00; small 10.00

H-613 Leg, for Potts' fracture, large, \$3.50; medium large, \$3.25; medium, \$3.00; small ..... 2.75

H-615 Leg, Tibia and Fibula, posterior, large, \$1.25; medium, \$1.00; small..... .50

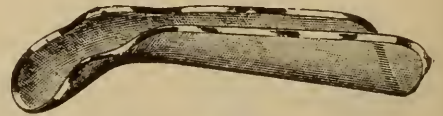
## APPARATUS FOR FRACTURES AND DISLOCATIONS



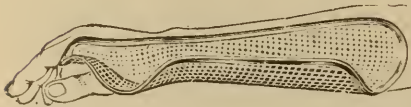
H-575



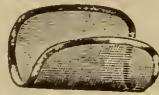
H-595



H-620



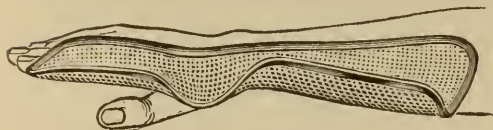
H-555



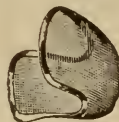
H-605



H-630



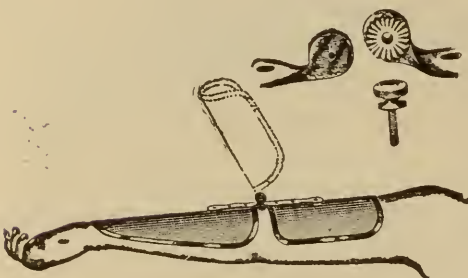
H-570



H-590



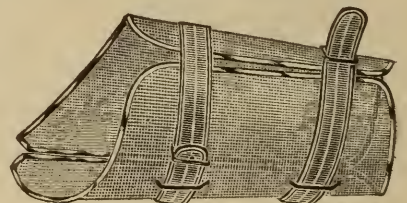
H-625



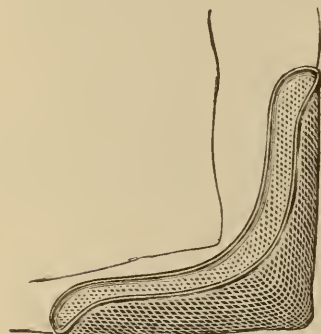
H-580



H-600



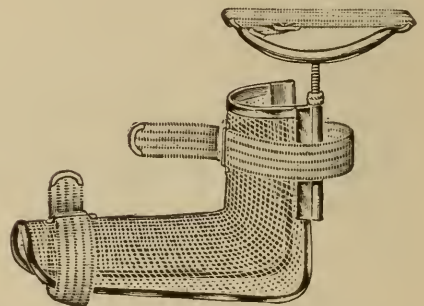
H-602



H-585



H-552



H-607

## DE PUY'S ADJUSTABLE WIRE SPLINTS

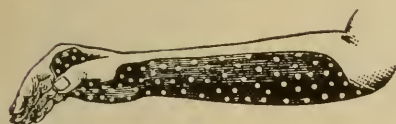
H-552	Coaptation Splints, 10 sizes, per set.....	\$2.00
H-555	Radius, right and left, large, \$1.00; medium, \$0.75; small.....	.25
H-570	Forearm and Hand, right and left, large, \$1.00; medium, \$0.75; small.....	.25
H-575	Colles Fracture, right and left, large, \$2.50; small.....	2.50
H-580	Elbow, hinged, anterior or posterior, large, \$1.50; medium, \$1.50; small.....	1.00
H-585	Elbow, posterior, right angled, large, \$1.00; medium, \$0.75; small.....	.50
H-590	Maxilla, large, \$0.50; small.....	.15
H-595	Shoulder, large, \$0.75; medium, \$0.50; small.....	.25
H-600	Femur (utility), large, \$0.75; medium, \$0.50; small.....	.25
H-602	Femur, large, \$2.00; medium, \$1.50; small.....	1.00
H-605	Humerus, large, \$0.50; medium, \$0.35; small.....	.15
H-607	Humerus Extension, large, \$4.00; small.....	4.00
H-620	Tibia and Fibula, Anterior, large, \$1.00; medium, \$0.75; small.....	.50
H-625	Patella, Anterior, large, \$1.00; medium.....	.75
H-630	Patella, Posterior, large, \$1.00; medium, \$0.75; small.....	.25



## APPARATUS FOR FRACTURES AND DISLOCATIONS



H-470



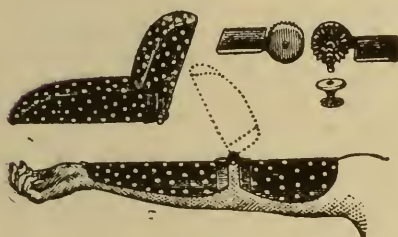
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H-480



H-485



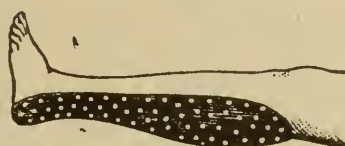
H-490



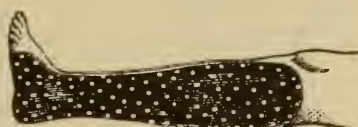
H-495



H-500



H-505



H-510



H-515



H-520



H-525



H-530



H-535



H-545



H-550

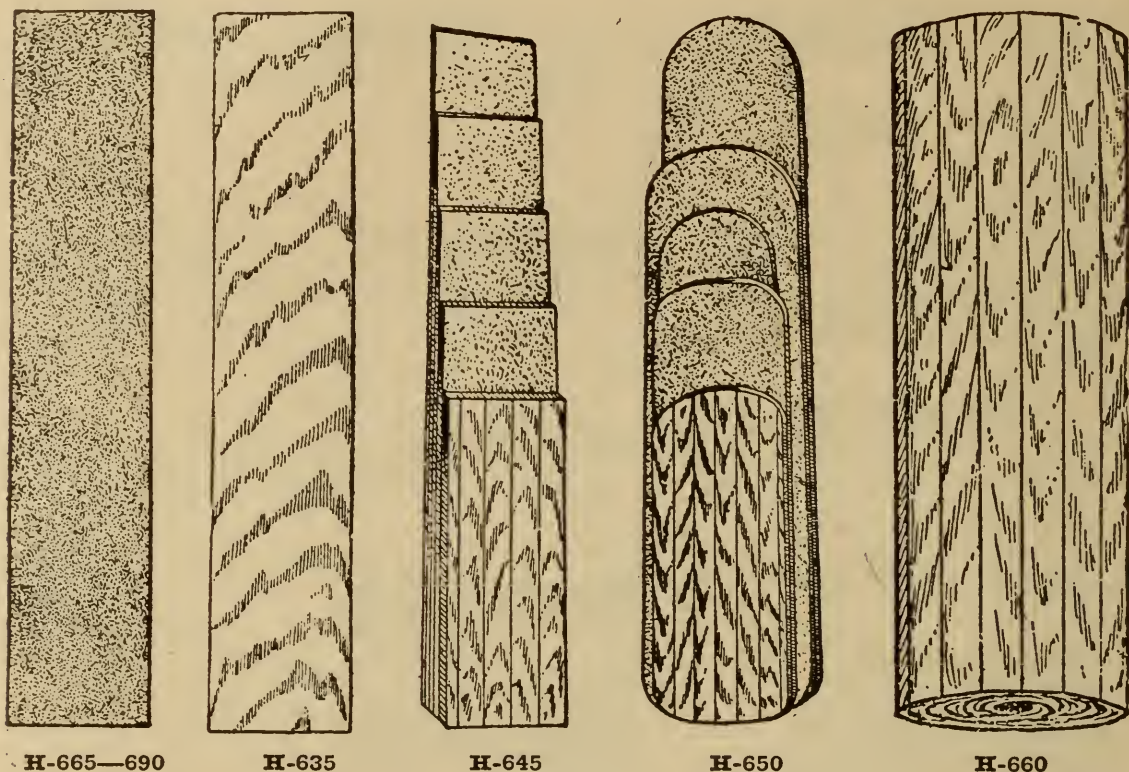


H-540

## LEE'S METALLIC SPLINTS

H-470	Radius Splint, No. 1, 2 sizes, rights and lefts.....	each	\$1.00
H-475	Radius Splints, No. 13, 2 sizes, rights and lefts.....	each	1.00
H-480	Combined Forearm Splint, No. 12, 2 sizes, rights and lefts.....	each	1.00
H-485	Ulna Splint, No. 18, 2 sizes, rights and lefts.....	each	1.00
H-490	Elbow Splint, No. 22, hinged joint, 2 sizes.....	each	1.50
H-495	Femur Splint, No. 7, 2 sizes.....	each	.50
H-500	Tibia Splint, Anterior, No. 14, 2 sizes.....	each	1.00
H-505	Tibia and Fibula Splint, Posterior, No. 9, 2 sizes.....	each	1.00
H-510	External Ankle Splint, No. 16, 2 sizes, rights and lefts.....	each	1.00
H-515	Internal Ankle Splint, No. 17, 2 sizes, rights and lefts.....	each	1.00
H-520	Patella Splint, Anterior, No. 15, 2 sizes.....	each	1.00
H-525	Patella Splint, Posterior, No. 8, 2 sizes.....	each	1.00
H-530	Clavicle Splint, No. 5, 2 sizes.....	each	.75
H-535	Maxillary Splint, No. 6, 2 sizes.....	each	.75
H-540	Elbow Splint, Posterior, acute angle, No. 19, 2 sizes.....	each	1.00
H-545	Elbow Splint, Posterior, right angle, No. 20, 2 sizes.....	each	1.00
H-550	Elbow Splint, Posterior, obtuse angle, No. 21, 2 sizes.....	each	1.00

## APPARATUS FOR FRACTURES AND DISLOCATIONS



## SPLINTS AND SPLINT MATERIAL

H-635 Coaptation Splints, plain, per dozen splints.....\$0.60

These splints are made of thin, firm bass-wood,  $\frac{1}{8}$  inch thick, 18 inches long and  $3\frac{1}{2}$  inches wide. They are easily cut with a knife or scissors.

\*H-640 Coaptation Splints, plain, extra heavy, double the thickness of H-635, per dozen splints .....\$0.75

H-645 Dressing Splints, kid lined, per set of 5 pieces..... .80

Consist of a set of five sizes. They will be found useful where a firm and strong splint is required. They are lined with kid; are 2 inches wide; length smallest,  $5\frac{1}{2}$  inches; longest,  $11\frac{1}{2}$  inches, and are split lengthwise at intervals of  $\frac{1}{2}$  an inch.

H-650 Coaptation Splints, kid lined, per set of 5 pieces.....\$1.25

These are similar to splints Fig. H-645, and can be used in the same way. They have round ends and graduate in width from large end to small. Length longest, 15 in.; shortest, 7 in.

\*H-655 Coaptation Splints, flannel lined. Price, per dozen splints.....\$0.85

These splints are of the same size and shape as Fig. H-645, but are lined with canton flannel, giving them a smooth, soft surface.

H-660 Split Roller Splints, 3"x5', \$0.45; 5"x5', \$0.75; 8"x5'.....\$0.90

These splints are made of thin, firm wood, lined with canton flannel. They combine the firmness and strength of the ordinary splint with the pliability of a bandage.

The No. refers to thickness.

\*H-662 Splint Material, Russian Surgical Felt, per sq. ft., \$0.60; per sq. yd.....\$5.00

H-665 Yucca Wood Splints, No. 1,  $\frac{1}{16}$ " thick, 16x18", per sheet..... .40

H-670 Yucca Wood Splints, , No. 2,  $\frac{1}{8}$ " thick, 16x18", per sheet..... .35

H-675 Yucca Wood Splints, No. 3,  $\frac{1}{12}$ " thick, 16x18", per sheet..... .25

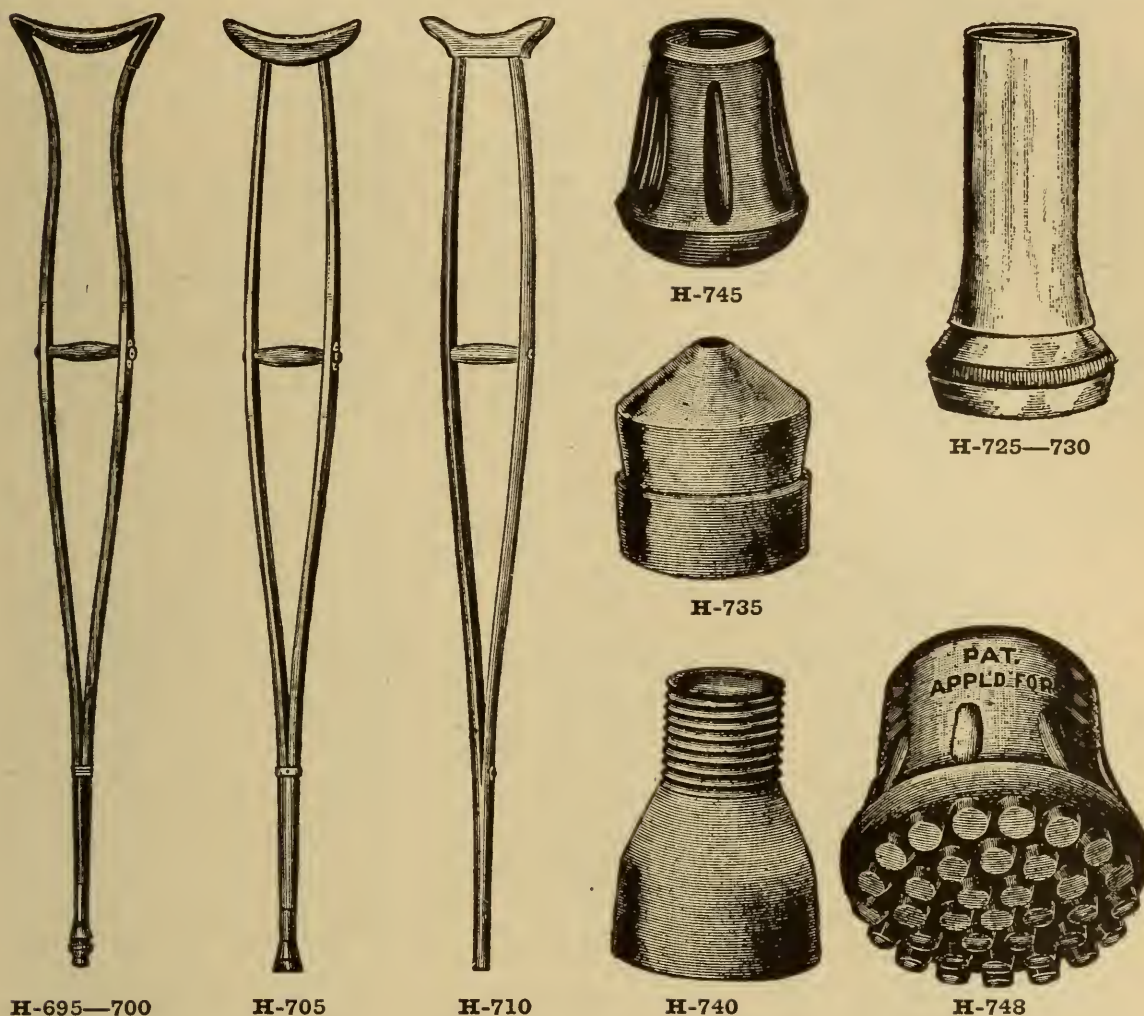
H-680 Yucca Wood Splints, No. 1,  $\frac{1}{16}$ " thick, 6x30", per sheet..... .25

H-685 Yucca Wood Splints, No. 1,  $\frac{1}{16}$ " thick,  $3\frac{1}{2}$ x18", per dozen..... .75

H-690 Yucca Wood Splints, No. 2,  $\frac{1}{8}$ " thick,  $3\frac{1}{2}$ x18", per dozen..... .60



## APPARATUS FOR FRACTURES AND DISLOCATIONS



## CRUTCHES, ETC.

H-695	Crutch, made of rock maple, patent elastic top and Whittemore bottoms, per pair .....	\$ 9.00
H-700	Crutch, made of rosewood, patent elastic top and Whittemore bottoms, (Made to order only), per pair.....	15.00
H-705	Crutch, made of maple, cherry top and handpiece, nickel plated, brass ferrules at bottom, with screw socket rubbers. H-740, per pair.....	3.50
H-710	Crutch, plain split maple, with cherry top and hand piece, per pair.....	1.35
*H-720	Ferrule, heavy brass, nickel plated, to fit crutch bottom, H-740.....each	.75
H-725	Ferrule, heavy brass, nickel plated, to fit Whittemore hinged socket..each	.75
H-730	Socket, Whittemore's, hinged, heavy brass, nickel plated to hold crutch rubber, H-735 .....	1.50
H-735	Crutch Rubbers, Whittemore's, 3 sizes, per pair, small, \$0.25; medium, \$0.35; large .....	.50
H-740	Crutch Rubbers, Screw End, 3 sizes, per pair, small, \$0.25; medium, \$0.35; large .....	.50
H-745	Crutch Rubbers, Excelsior, per pair, No. 17, \$0.20; No. 18, \$0.25; No. 19, \$0.30; No. 20, \$0.40; No. 21.....	.50
H-748	Bailey's "Won't Slip," per dozen, No. 17, \$2.40; No. 18, \$2.50; No. 19, \$2.75; No. 20, \$3.00; No. 21.....	3.50

## ELASTIC HOSIERY

Elastic goods made to order cannot be exchanged or returned for credit, although slight alterations may be made.

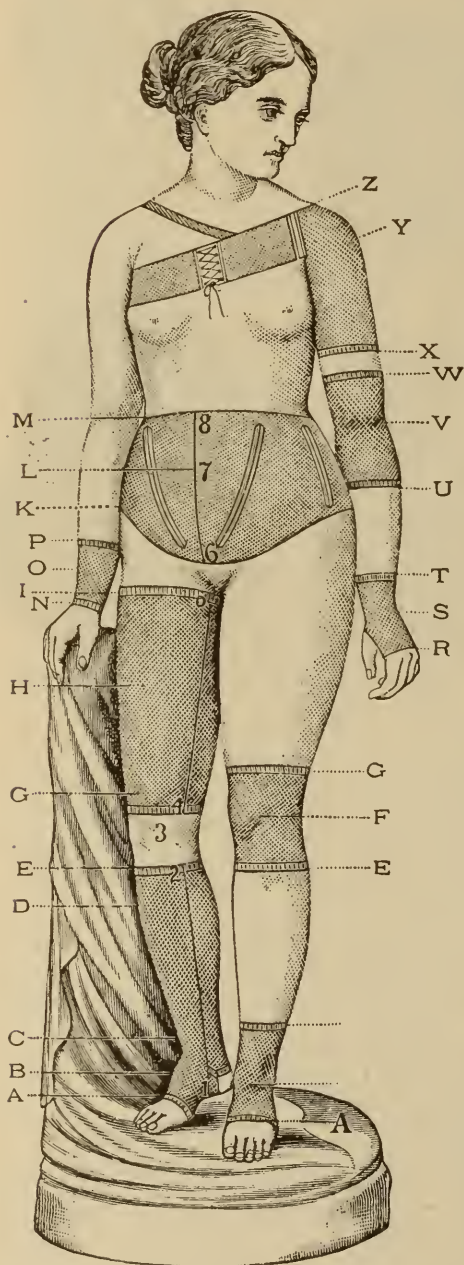
We guarantee that the workmanship and materials are the best available.

For measures take exact circumference in inches at points indicated by letters. We allow for compression. Measurements should be taken in the morning before the limb has swollen.

Length measures must be taken on the inside of limb.

**Do not give the measurements of the well limb expecting the piece to fit the affected part.**

While the value of Surgical Hosiery depends largely on the quality and freshness of the rubber, accuracy of fit is of the highest importance; care should therefore be taken to follow explicitly our directions for measurement. Send for measurement blanks.



### DIRECTIONS FOR SPECIAL MEASUREMENTS

**Thigh Stockings**, circumferences at A, B, C, D, E, F, G, H, I; length from floor to F and F to I.

**Thigh Legging**, circumferences at C, D, E, F, G, H, I; lengths from C to F and F to I.

**Thigh Knee Cap**, circumferences at E, F, G, H, I, length, E to F and F to I.

**Thigh Piece**, circumferences at G, H, I; length, G to I.

**Knee Stockings**, circumferences at A, B, C, D, E, F, G; lengths, floor to F and F to G.

**Knee Leggings**, circumferences at C, D, E, F, G; lengths, C to F and F to G.

**Knee Caps**, circumferences at E, F, G; length, F to G.

**Garter Stockings**, circumferences at A, B, C, D, E; length, floor to E.

**Garter Leggings**, circumferences at C, D, E; length, C to E.

**Anklets**, circumferences at A, B, C; length, floor to C.

**Shoulder Cap, Z**, or around form and under one arm as indicated; **Y**, or around arm at top; **Y**, also around arm and body to opposite side; **X**, or around arm a little below **Y**, and give also length measures **X** to **Y** and **Y** to **Z** and **X** to arm-pit. If for right or left shoulder.

**Elbow Cap**, circumferences at **U**, **V**, **W**; length, **U** to **W**.

**Wristlet**, circumference at **N**, **O**, **P**; length, **N** to **P**.

**Mitten, T**, or around top; **S**, or around wrist; **R**, or around hand, including thumb, and also separate measure around the forefingers back of knuckles; also inches around thumb, if thumb piece is wanted, but the mitt is better without the thumb unless compression of the thumb is necessary. Length, **R** to **S** and **S** to **T**. If for right or left hand.

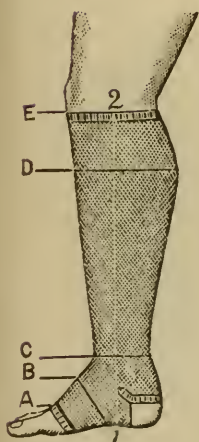
**Abdominal Supporters**, circumferences at **K**, **L** and **M**; length, 6 to 7, 7 to 8.

### WE CAN LACE PIECES FOR YOU

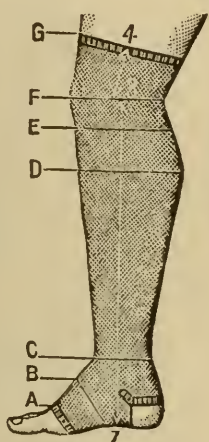
We lace stockings of any length to order only, and laces should be used where the conditions of the limb will not permit of the drawing on of a solid piece, where ankle is too small to permit the piece to be drawn over the heel without over-straining, or where there is over-much swelling to be reduced. State if for right or left limb, as we lace on inner side when condition of limb will permit.



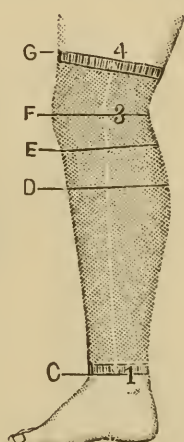
## ELASTIC HOSIERY



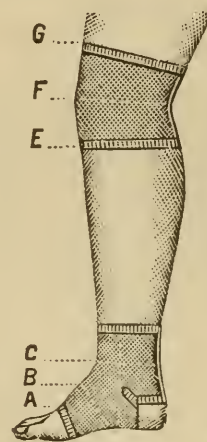
Garter Stocking



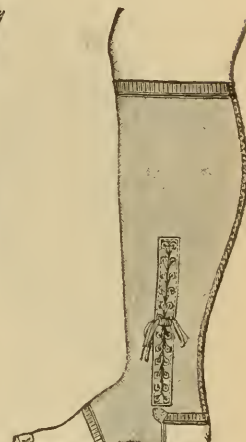
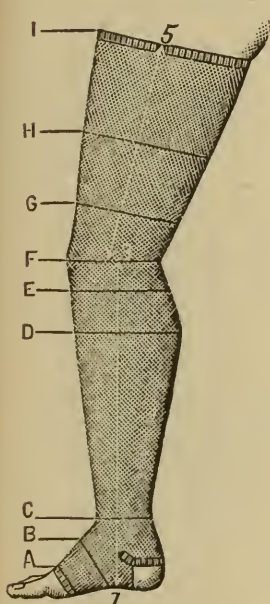
Knee Stocking



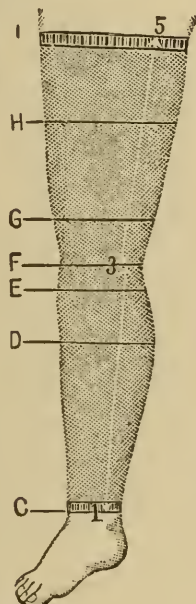
Knee Legging



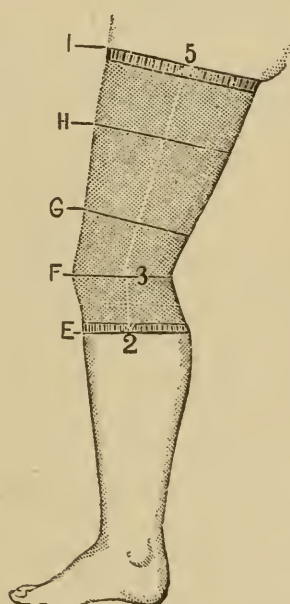
Knee Cap and Ankle

Garter Stocking  
Laced

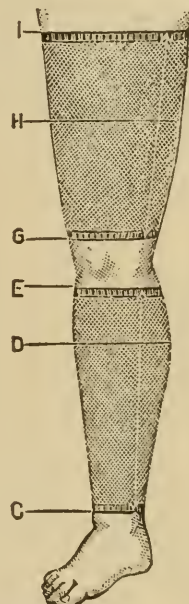
Thigh Stocking



Thigh Legging



Thigh Knee-Cap

Thigh Piece and  
Garter LeggingKnee Stocking  
Laced

## PRICES

		Thread	Silk	Heavy Silk
H-805	Anklet .....	\$2.00	\$2.25	\$2.50
H-810	Garter Legging .....	2.00	2.50	3.00
M-815	Garter Stocking .....	2.25	3.50	4.00
H-820	Knee Cap .....	2.00	2.25	2.50
H-822	Knee Legging .....	3.50	4.50	5.50
H-825	Knee Stocking, long.....	5.00	6.50	7.50
H-830	Knee Stocking, short.....	4.50	5.50	6.25
H-835	Thigh Knee Cap.....	4.50	6.00	6.75
H-837	Thigh Legging .....	5.00	6.50	7.50
H-840	Thigh Piece .....	3.50	4.00	4.50
H-845	Thigh Stocking .....	6.50	8.00	9.00
H-850	Arm Piece .....	1.50	2.00	2.50
H-855	Wristlet .....	1.00	1.75	2.00
H-857	Wristlet, Mitten.....	1.75	2.00	2.25
H-855	Wristlet, Mitten .....	1.75	2.00	2.25
H-858	Shoulder Cap .....	6.00	7.50	9.00

For laced stocking add to above prices as follows:

Garter Leggings, full laced, each, \$1.20; half laced, each, \$0.60.

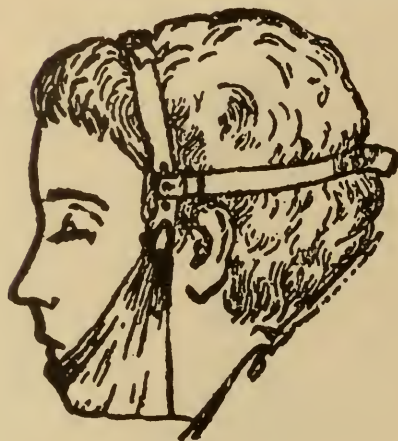
Garter Leggings, full laced, each, \$1.60; half laced, each, \$0.80.

Knee Stockings, full laced, each, \$2.00; half laced, each, \$1.00.

Thigh Stockings, full laced, each, \$3.00; half laced, each, \$1.50.

Knee Caps, full laced, each, \$0.80.

## SUNDRY APPARATUS



H-2005-2010



H-2003



H-2000

The three devices illustrated will be found peculiarly adapted to the uses for which they were designed. They are practical, will give results, are light, well ventilated, easily applied and very comfortable.

- H-2000 Haslam's Apparatus, to correct and prevent projecting ears.....\$1.50  
 Made in three sizes: No. 1, small; No. 2, medium; No. 3, large.
- H-2004 Sterling Ear Retainer, to correct and prevent projecting ears..... 1.50  
 Made in three sizes: No. 1, small; No. 2, medium; No. 3, large.
- H-2005 French's Device, to prevent mouth breathing during sleep, No. 1, adult's.. 1.00
- H-2010 French's Device, to prevent mouth breathing during sleep, No. 2, child's.. 1.00

## ELASTIC BANDAGES

## H-858. BENDER'S IDEAL BANDAGE



This new elastic bandage is made entirely of cotton. Its elasticity is due to the peculiar weave of the individual threads. It can be rolled evenly, and reversing is unnecessary.

The continual and even pressure given by the "Ideal" Bandage makes it desirable for use in all cases where a rubber or flannel bandage would be indicated. For the treatment of varicose veins and ulcers, as an abdominal bandage in pregnancy, and for bandaging limbs and joints, it is superior to any other bandage made. It is of signal value in building up the stump after amputation. Being porous, it allows perspiration to evaporate freely, thus insuring a natural condition of the skin.

The "Ideal" Bandage may be washed freely, as washing adds to its elasticity.

Bender's Ideal Bandages, in rolls of 3½ yards (stretching to 5½ yards), 8 widths, from 1½ to 8 inches. Each roll in individual dust-proof wrapper bearing Blue Cross Trade Mark:

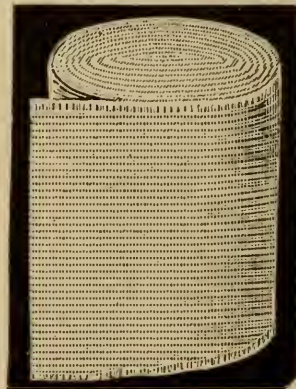
No. and size.....	36/1½	36/2	36/2½	36/3	36/3½
Price, per doz....	\$3.60	\$4.50	\$6.00	\$7.20	\$8.40
Price, each.....	.40	.45	.60	.70	.80
No. and size.....	36/4	36/5	36/6½	36/8	
Price, per doz.....	\$9.00	\$10.50	\$12.75	\$16.00	
Price, each.....	.85	1.00	1.15	1.50	

## H-859. VIM ELASTIC BANDAGES

Vim Bandage Elastic has the longest stretch of any smooth, uncovered rubber bandage. A uniformly well-made elastic.

Made in 2, 2½ and 3-inch widths.

H-751	2	in. x 3 yds., stretched.....	\$0.50
H-751A	2½	in. x 3 yds., stretched.....	.60
H-751B	3	in. x 3 yds., stretched.....	.75
H-751C	2	in. x 5 yds., stretched.....	.65
H-751D	2½	in. x 5 yds., stretched.....	.80
H-751E	3	in. x 5 yds., stretched.....	1.00





## H892 "AMBUMATIC" WASHABLE ABDOMINAL SUPPORTERS (Patented)

Are Worthy of a Doctor's  
Recommendation.

Use Them Once and You'll  
Continue to Do So.

"There's a Reason."



Front View

Patented. Shows front view "Ambumatic" Supporter. Notice adjustment for any degree of Uplift or Binder Support to any part of the abdomen.



Back View

Patented. Shows back view of "Ambumatic" Supporter. Notice adjustment for keeping the Belt in Place.

"Ambumatic" Washable Abdominal Supporters are made to order to fit individual requirements of each patient. They are ideal for all purposes, for all persons requiring special of general support before or after operations.

They Fit Perfectly Across the Back and Hips without wrinkling, slipping out of place, cutting of thighs or back or interfering with a corset. They embody the best surgical thought of the day on correct and scientific support.

They are Light, Flexible and Washable as form-fitting underwear. No leather or rubber elastic is used. They are made to lace for women and children, to buckle for men (unless otherwise ordered) and are kept in place by the lower portion of the supporter encircling each thigh. To the woman's belt a front and back tab is attached for sanitary pad—also garter tabs if ordered.

The Web Front Is so Made as to thoroughly support the area of the operation, rupture or special conditions for which the belt is to be worn. The "Lift-Up" adjustment provides for special pressure as a "Binder" to the lower, middle or upper portion of the abdomen.

They Are Used for Pregnancy, Obesity, Hernia, Relaxed Sacroliac Articulations, Floating Kidneys, Ptoxis, Pertussis, High and Low Operations, and are recommended by every surgeon who has ever prescribed them.

To Order, State: Circumference around waist, middle and lower abdomen; height of belt in front and circumference around one thigh at the perineum; also the location and length of incision or rupture or condition for which the belt is to be worn, and whether for man, woman, child or baby. Also state kind of material, price and style of supporter wanted, name and address of patient and of doctor ordering.

### PRICES OF "AMBUMATIC" WASHABLE ABDOMINAL SUPPORTERS

Made in Cotton, \$6.00; Cotton Mesh or Half Silk, \$8.00; Linen Mesh, \$10.00 and \$12.00; Silk.....\$15.00

If made without the Adjustable Binder deduct \$1.00 from above prices, or if made with two pairs of Removable Thigh Straps, add \$1.00 to above prices.

For Persons That Measure more than 40 inches in circumference or require their supporter higher than 12 inches in front, an additional charge is made of \$0.25 per inch.

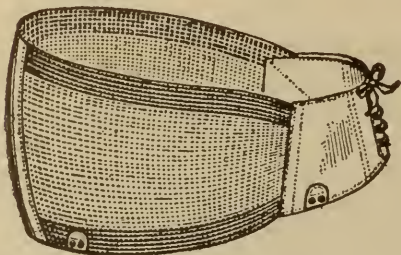
When Quality of Material and Price Is Not Given, linen mesh will be supplied, which is the most absorbent, sanitary, coolest and strongest to wear, giving efficient support as an "Up Lift" or Binder and is the one we recommend as the best.

It will pay to keep supplied with our order blanks. Write today.

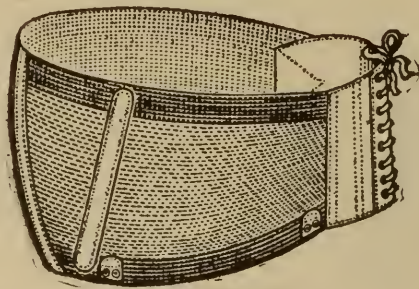
To Physicians and Hospitals a cash discount of 25 per cent is allowed.

Ambulatory Pneumatic Splint Mfg. Co., 30 E. Randolph St., Chicago.

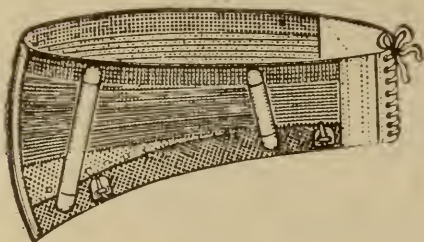
## ABDOMINAL SUPPORTERS



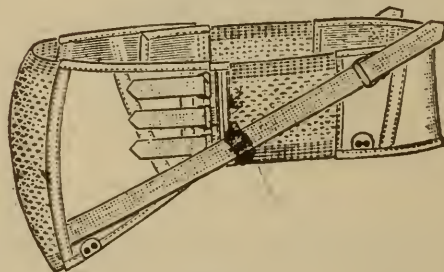
H-860—865



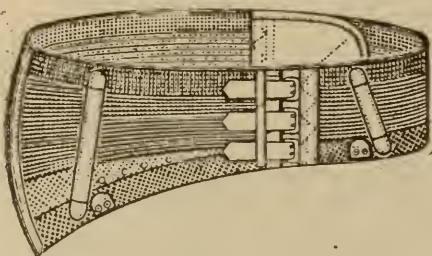
H-870—875



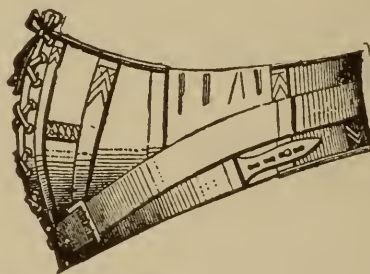
H-880—885



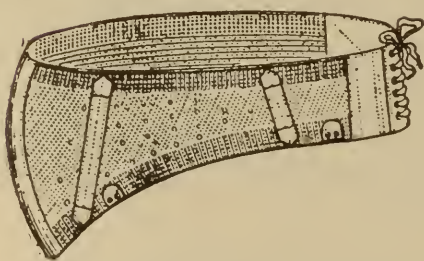
H-900



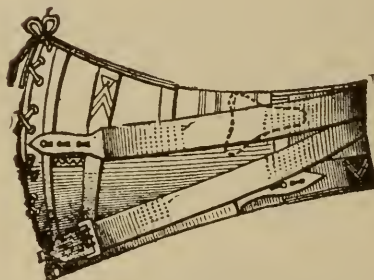
H-890—895



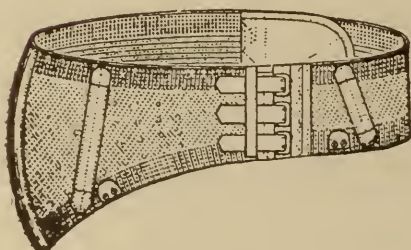
H-925



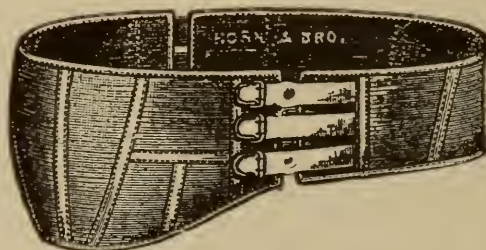
H-905—910



H-930



H-915—920



H-935



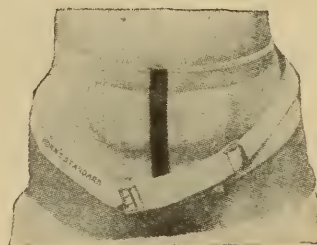
## ABDOMINAL SUPPORTERS



H-940



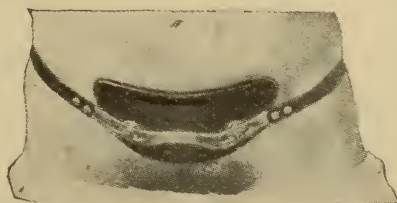
H-945



H-950



H-960



H-955



H-965

## ABDOMINAL SUPPORTERS

H-860	Abdominal Supporter, light elastic, mercerized thread, 8-in., \$2.00; 10-in...	\$2.50
H-865	Abdominal Supporter, light elastic, silk thread, 8-in., \$3.50; 10-in.....	4.00
H-870	Abdominal Supporter, light elastic, mercerized thread, 8-in., \$2.50; 10-in.	3.00
H-875	Abdominal Supporter, light elastic, silk thread, 8-in., \$4.00; 10 in.....	4.50

Supporters H-860 to H-875 are made of silk and thread covered elastic fabric, hand knit material, with strong edges. This belt is not fashioned, but on account of the softness and pliability of the material will readily conform to the abdomen.

H-880	Abdominal Supporter, medium elastic, with stays, made to lace in back, thread, 8-in. to 10-in. wide.....	\$4.50
H-885	Abdominal Supporter, medium elastic, with stays, made to lace in back, silk, 8-in. to 10-in. wide.....	6.00
H-890	Abdominal Supporter, medium elastic, with stays, made to buckle at sides, thread, 8-in. to 10-in. wide.....	4.50
H-895	Abdominal Supporter, medium elastic, with stays, made to buckle at sides, silk, 8-in. to 10-in. wide.....	6.00

Supporters H-880 to H-895 are made of medium weight elastic material, hand knit, with single welts on edges; fashioned in knitting to conform to the shape of the abdomen; a soft, pliable, ventilated material.

H-900	Abdominal Supporter, silk center, made to buckle at sides.....	3.50
H-905	Abdominal Supporter, made to lace in back, thread.....	7.50
H-910	Abdominal Supporter, made to lace in back, medium silk, \$9.00; heavy silk	10.00
H-915	Abdominal Supporter, made to buckle at sides, thread.....	7.50
H-920	Abdominal Supporter, made to buckle at sides, medium silk, \$9.00; heavy silk	10.00

Supporters H-905 to H-920 are made in thread and silk, of medium and heavy weights, entirely of elastic fabric similar to elastic hosiery, but generally of heavier material and with double welts at top and bottom to give firmer support. They are woven of elastic material that ventilates, giving comparative comfort in warm weather.

We consider these supporters the best we make, and recommend them wherever a patient can afford to pay for a first-class article. They are made to buckle at side or to lace in back as ordered.

H-925	Abdominal Supporter, Teufel's System II.....	\$ 7.00
H-930	Abdominal Supporter, Teufel's System VI, for floating kidney, with 1 pad, \$8.00; with 2 pads.....	9.00
H-935	Abdominal Supporter, genuine moleskin, \$3.00; best quality.....	5.00

Adapted for obesity and post-operative work in men.

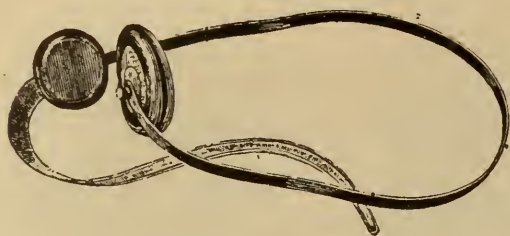
## SPECIAL ABDOMINAL SUPPORTERS

H-940	Abdominal Supporter, elastic, with pad, for use after operation for appendicitis, thread, \$7.50 to \$12.00; silk, \$10.00 to.....	15.00
H-945	Abdominal Supporter, elastic, with pad for floating kidney, thread, \$7.50 to \$12.00; silk, \$10.00 to.....	15.00
H-950	Abdominal Supporter, elastic, with pad to support abdomen after operation, thread, \$7.50 to \$12.00; silk, \$10.00 to.....	15.00
H-955	Abdominal Supporter, hard rubber covered spring, with hard rubber pad working on ball joints. Indicated where a firm upward pressure is desired, \$8.00 to.....	12.00
H-960	Abdominal Supporter, elastic, with pad for umbilical hernia, thread, \$10.00 to \$15.00; silk, \$12.00 to.....	20.00
H-965	Abdominal Supporter, elastic, combined with hard rubber bow umbilical truss, thread, \$10.00 to \$15.00; silk, \$12.00 to.....	20.00

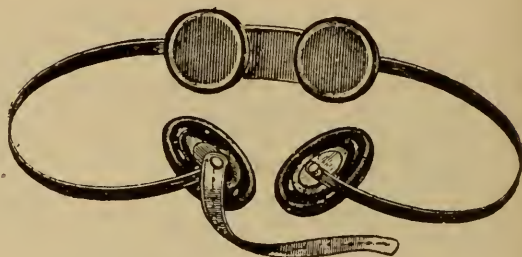
## MEASUREMENTS REQUIRED

Circumference at K, L, M; length in front, K to M. See diagram page 662.

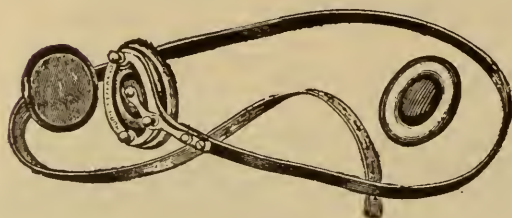
## TRUSSES



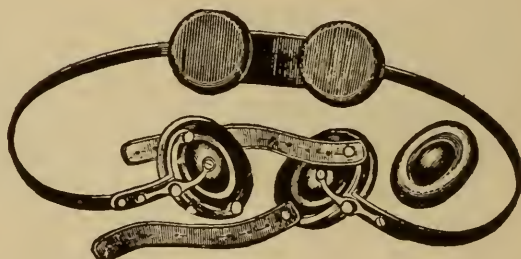
H-1045



H-1050



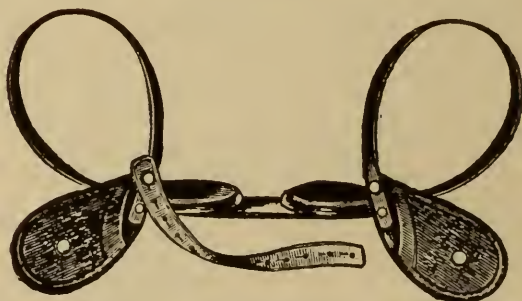
H-1085



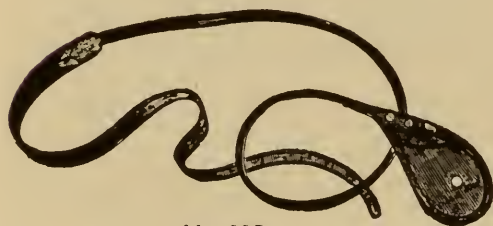
H-1090



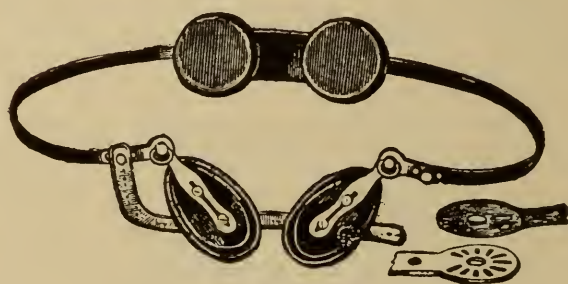
H-985



H-1010



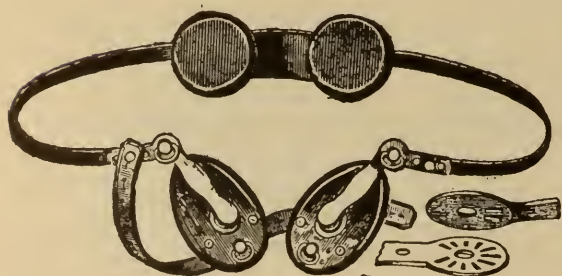
H-1005



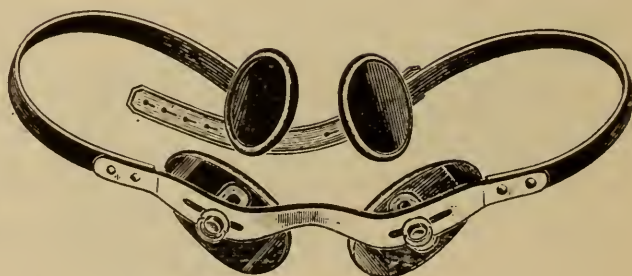
H-990



H-1025



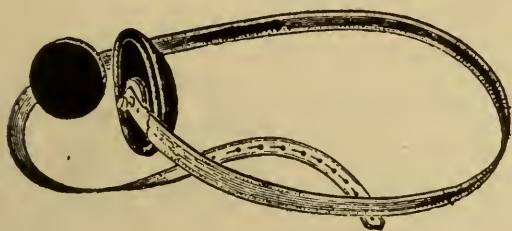
H-1030



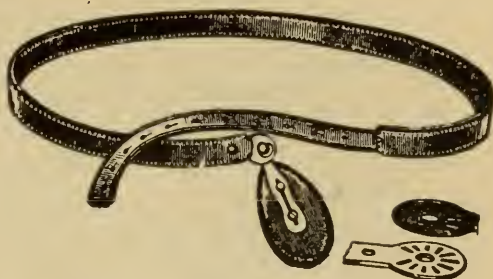
H-1105



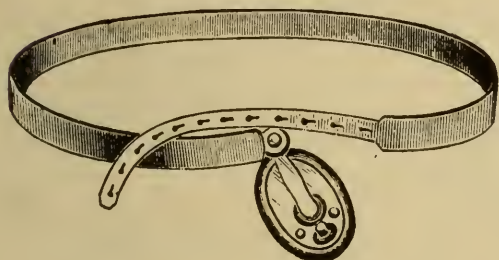
TRUSSES



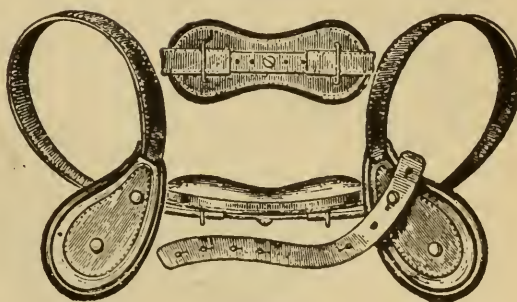
H-1035



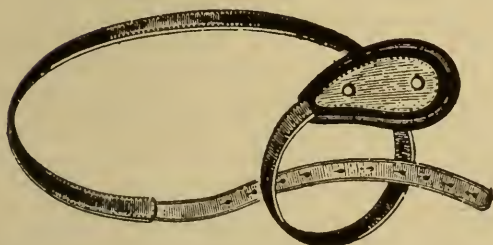
H-975



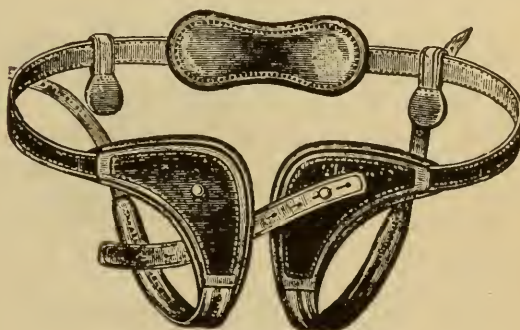
H-1015



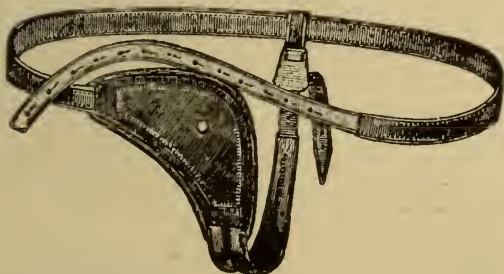
H-1000



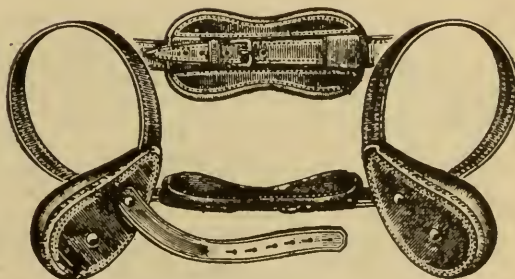
H-995



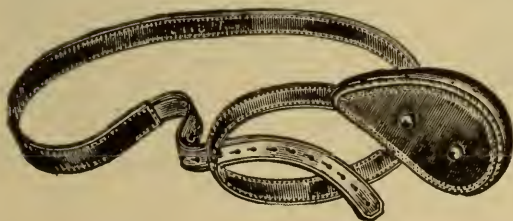
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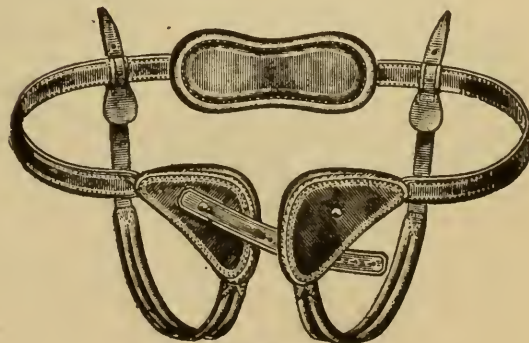
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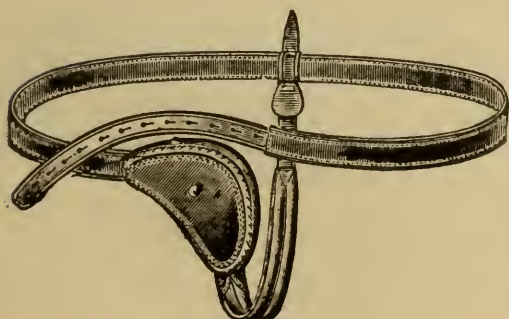
H-1080



H-1075



H-1070

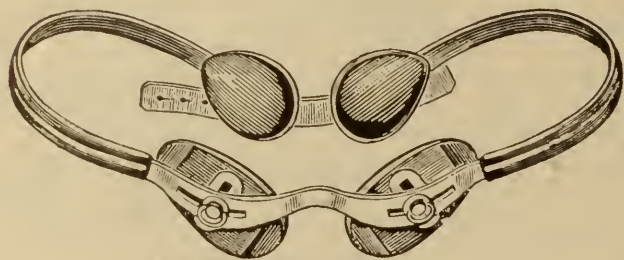


H-1065

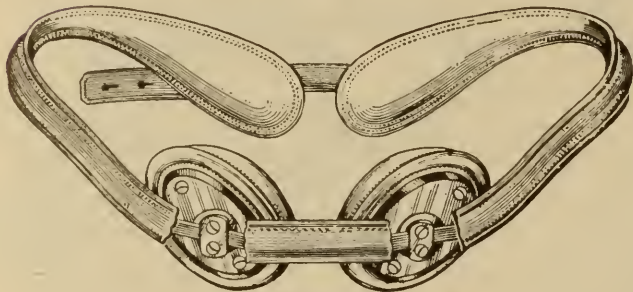
For Price List See Page 671.



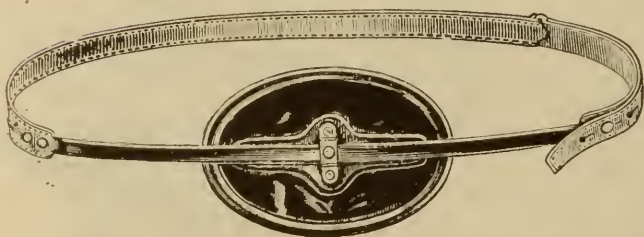
## TRUSSES



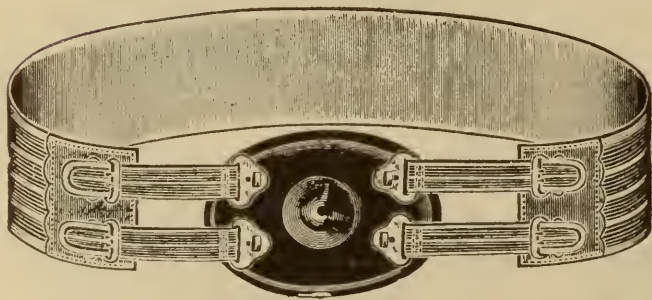
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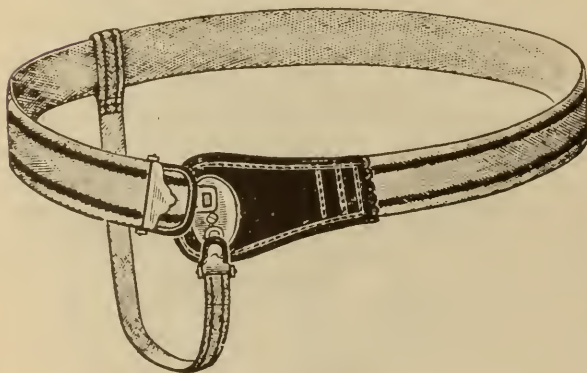
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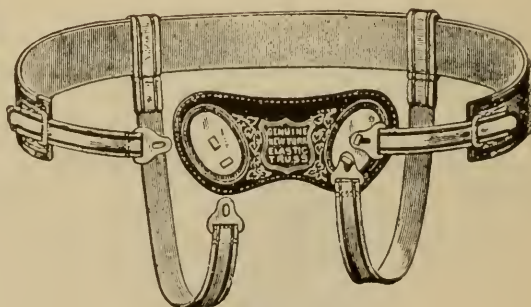
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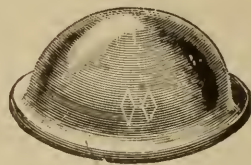
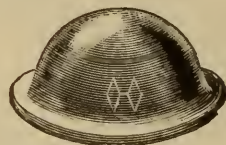
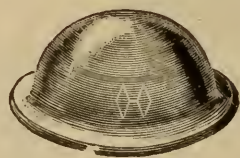
H-1140



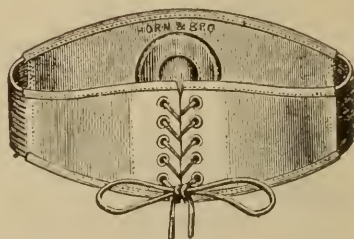
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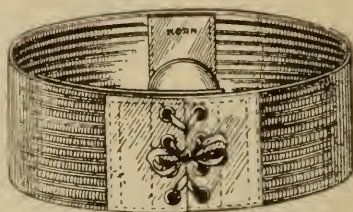
H-1120-1125



H-1160



H-1155



H-1150



## A CAREFULLY FITTED SPRING TRUSS

Will hold a Hernia with more comfort, is more secure under all conditions, and will effect a Radical Cure more quickly than an Elastic Truss; it will pay you to study the adjustment of Spring Trusses.

### PRICE LIST OF TRUSSES

		Adult's	Youths'	Child's
H-975	Chase Improved, leather covered, single.....	\$2.00	\$1.50	....
*H-980	Chase Improved, leather covered, double.....	3.50	2.50	....
H-985	Chase Improved, hard rubber covered, single.....	3.50	3.00	\$2.50
H-990	Chase Improved, hard rubber covered, double.....	6.00	5.00	4.00
H-995	French, fine, leather covered, single.....	3.00	2.50	2.00
H-1000	French, fine, leather covered, double.....	5.00	3.50	3.00
H-1005	French, hard rubber covered, single.....	3.50	3.00	2.50
H-1010	French, hard rubber covered, double.....	6.00	5.00	4.00
H-1015	Set Screw, improved, leather covered, single.....	3.50	3.00	....
*H-1020	Set Screw, improved, leather covered, double.....	5.00	3.50	....
H-1025	Set Screw, improved, hard rubber covered, single.....	4.00	3.50	....
H-1030	Set Screw, improved, hard rubber covered, double.....	6.00	5.00	....
H-1035	Cross Body, leather covered, single.....	3.50	3.00	2.50
H-1040	Cross Body, leather covered, double.....	5.00	4.00	3.50
H-1045	Cross Body, hard rubber covered, single.....	3.50	3.00	2.50
H-1050	Cross Body, hard rubber covered, double.....	6.00	5.00	4.00
H-1055	Scrotal, leather covered, single.....	5.00	4.00	3.00
H-1060	Scrotal, leather covered, double.....	8.00	6.00	5.00
H-1065	Rhenish, leather covered, single.....	6.00	4.50	....
H-1070	Rhenish, leather covered, double.....	9.00	6.50	....
H-1075	Cobourg, leather covered, single.....	5.00	3.50	....
H-1080	Cobourg, leather covered, double.....	8.00	5.00	....
H-1085	Radical Cure, hard rubber covered, single.....	7.50	....	....
H-1090	Radical Cure, hard rubber covered, double.....	12.00	....	....
H-1095	Sansom, Hood pattern, leather covered, softly padded..	6.00	....	....
H-1100	Hood's, leather covered, single or double.....	6.00	4.50	3.50
H-1105	Hood's, hard rubber covered, single or double.....	7.50	5.00	4.00
H-1110	Elastic, cedar or enameled pad, single.....	2.00	1.75	1.50
H-1115	Elastic, water or air pad, single.....	2.50	2.25	2.00
H-1120	Elastic, cedar or enameled pad, double.....	3.50	3.00	2.50
H-1125	Elastic, water or air pad, double.....	4.50	3.75	3.00

### UMBILICAL TRUSSES

*H-1135	Elastic, leather pad, adults.....	\$3.50
H-1140	Elastic, hard rubber pad, adults.....	5.00
H-1145	Bow, French pattern, hard rubber, adults.....	5.00
H-1150	Elastic, to lace, child's.....	1.25
H-1155	Elastic sides, sateen front and back, to lace, child's.....	1.25
H-1160	Umbilical Buttons, aluminum, 3 sizes (illustration shows full size), each	.35
*H-1165	Umbilical Pads, hard rubber, small, medium or large center pads.....	2.50

### DIRECTIONS FOR ORDERING TRUSSES

1. Circumference of body 2 inches below the iliac crest.
2. Right or left side, or both.
3. Complete or incomplete.
4. Large, medium or small rupture.
5. General condition of patient.
6. Style of truss wanted. (This can be left to us if you are in doubt. When the selection is left with us, we send what we think the case requires.)

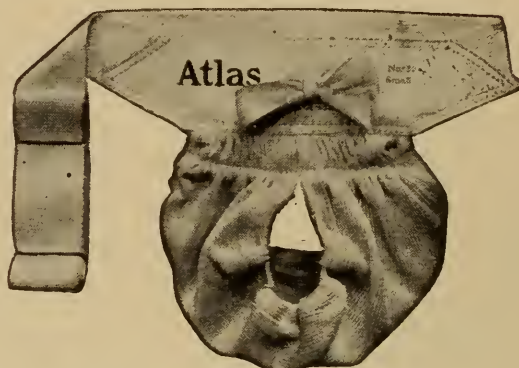
### TRUSSES FOR UMBILICAL HERNIA

1. Circumference of body at umbilicus.
2. Large, medium or small rupture.
3. General condition of patient.
4. Style of truss wanted.

## SUSPENSORIES AND SUPPORTERS



H-1181-1184



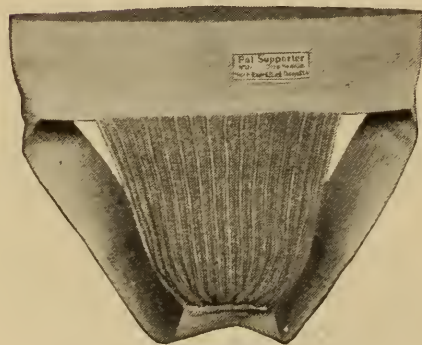
H-1176-1177



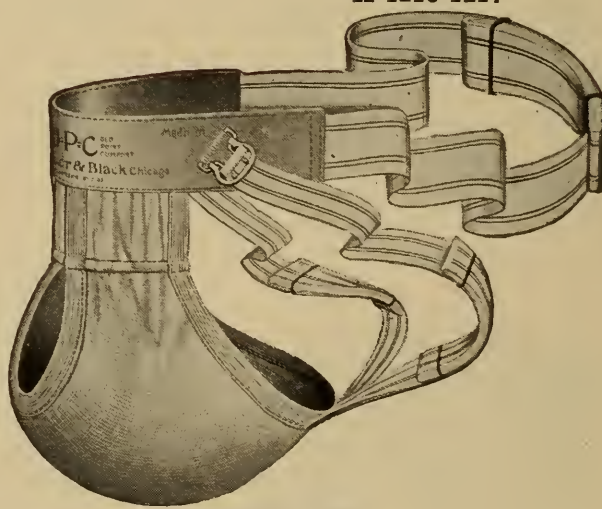
H-1191



H-1216-1217



H-1218



H-1186-1189

## B. &amp; B. SUSPENSORIES

## Prices to Patients

H-1176	Atlas Suspensory, No. 38, Lisle, drawstring.....	\$0.50
H-1177	Atlas Suspensory, No. 39, Silk, drawstring.....	.75
H-1181	Auto Suspensory, No. 17, Fancy Cotton.....	.25
H-1182	Auto Suspensory, No. 18, Plain Silk.....	.35
H-1183	Auto Suspensory, No. 19, Fancy Silk.....	.35
H-1184	Auto Suspensory, No. 20, Fancy Heavy Silk.....	.50
H-1186	O. P. C. Suspensory, No. 2, Lisle, elastic bands.....	.75
H-1187	O. P. C. Suspensory, No. 3, Silk, elastic bands.....	1.00
H-1188	O. P. C. Suspensory, No. 4, Silk, elastic bands.....	1.25
H-1189	O. P. C. Suspensory, No. 5, Fanny Colored Silk.....	1.75
H-1191	Thor Suspensory, Silk, elastic bands.....	.50

## B. &amp; B. ATHLETIC SUPPORTERS

H-1216	Pro. Athletic Supporter, No. 27, Cotton, elastic edge.....	.75
H-1217	Pro. Athletic Supporter, No. 29, Silk, elastic edge.....	1.00
H-1218	Pal. Athletic Supporter, No. 31, Silk, all elastic.....	1.25

## SCROTAL COMPRESSORS

H-1225	Miliano's, thread.....	1.25
H-1230	Carroll's, thread, orchitis.....	1.00
H-1235	Carroll's, thread, orchitis, with waist band for suspending inverted testicle.....	2.00



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**Addenda**  
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**Not Listed in the Body of Catalogue**



**Manufactured By**  
**Fred Haslam & Co., Inc.**  
**83 Pulaski St.**  
**Brooklyn, N. Y.**

## SECTION A

A-45	Littauer's Corn Knife.....	\$ 0.30
A-3408	Enterotome Scissors .....	2.00

**Empty Sterilizer Cases for Hypodermic Syringes**

A-3511	1 cc. ....	1.25
A-3512	2 cc. ....	1.50
A-3513	5 cc. ....	2.50
A-3514	10 cc. ....	3.00

## SECTION B

**Curettes, Bone**

B-933	Hebra's (Trelat's).....	2.00
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**Directors**

B-5063	Hernia, Hahn's, pure silver.....	1.75
B-5065	Hernia, Levis' .....	1.10
B-5070	Hernia, Peter's .....	1.50
B-5075	Hernia, Stanleys .....	.90
B-5080	Hernia, Wood's, curved, with handle.....	1.10

**Ether and Chloroform Inhalers**

B-5090	Allis', original, plated, with soft rubber cover.....	3.75
B-5095	Allis', original, aluminum, with soft rubber cover.....	3.75
B-5099	Esmarch's, mask and cover.....	.60
B-5105	Esmarch's, with dial bottle.....	2.00
B-5115	Esmarch's, folding, with cover, bottle and dropper.....	1.65
B-5120	Esmarch's, folding, with stop-cock bottle and cover.....	2.35
B-5125	Esmarch's, folding, with stop-cock bottle and cover.....	2.50
B-5130	Gibbons' .....	3.00

**Exploring Needles**

B-5135	Reversible, metal case, for pocket cases.....	.35
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**Forceps, Artery and Haemostatic**

B-5140	Andrew's .....	1.75
B-5155	Fowler's .....	1.50
B-5190	Hamilton's, fenestrated.....	1.50
B-306½	Ochsner's, curved, 6¼ inch, screw joint, same as B-306, but curved....	1.75
B-305½	Ochsner's, curved, 7¼ inch, same as B-305, but curved.....	2.00

**Forceps, Artery and Needle Combined**

B-5252	Hunter's .....	1.75
B-5253	Parke's .....	1.50

**Forceps, Ligature**

B-5293	Bodenhamer's .....	2.75
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**Forceps, Luxation**

B-5295	Collins' .....	4.50
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**Knives**

B-227	Abscess, with stationary, hollow, corrugated handles, double edged blades, straight or curved.....	1.25
B-5345	Tiemann, style M. O.....	1.00

**Ligature Carriers**

B-5403	Allingham's .....	3.00
B-5410	Jewett's, right, small size.....	2.75
B-5415	Jewett's, left, small size.....	2.75
B-5420	Jewett's, right, large size.....	3.00
B-5425	Jewett's, left, large size.....	3.00

**Needles**

B-5431	Canulated, Von Brun's.....	1.25
B-5432	Hernia, Marcy's .....	1.25
B-5445	Laparotomy, Crofford's .....	1.25
B-5450	Laparotomy, Crofford's, Hagedorn point.....	1.25
B-5475	Laparotomy, Hall's .....	1.25
B-5455	Perineum, Cunningham's, self-threading.....	2.50
B-5467	Perineum, Grave's .....	.75
B-5470	Perineum, Hall's .....	.75
B-5480	Perineum, Helical .....	1.50
B-5481	Perineum, Knox's .....	.60
B-5486	Perineum, Ludlam's .....	1.50
B-5487	Perineum, Mooij's, curved.....	.90
B-5488	Perineum, Mooij's, curved, right .....	.90
B-5489	Perineum, Mooij's, curved, left .....	.90



B-5490	Perineum, Mooij's, ring handles, 4 sizes.....each	\$0.60
B-5495	Perineum, Papin's .....	.50
B-5500	Perineum, Peaslee's, plain, slightly curved.....	.75
B-5515	Perineum, Tiemann's, full curved.....	1.25
B-2185	Perineum, Whitehead's .....	1.25

## Needle Holders

B-5525	Abbey's, 4½ in.....	1.35
B-5530	Abbey's, 6 in.....	1.50
B-5535	Abbey's, 7 in.....	1.75
B-5540	Abbey's, 8 in.....	2.00
B-5585	Hanks' .....	4.25
B-5595	Keen's, 4½ inch.....	1.50
B-5600	Keen's, 5½ inch.....	1.50
B-5650	Monk's, large .....	3.50
B-5655	Monk's, small .....	3.50
B-5666	Richter's, 7-inch, narrow jaws.....net	4.50
B-5576	Richter-Fowler's .....	5.00
B-5668	Richter's, 7 inch, with McBurney's catch.....net	4.50
B-5669	Richter's, 8 inch, with McBurney's catch.....net	4.50
B-5698	Stimson's, with wire cutter.....	3.50

## Razors

B-5900	Aseptic, metal .....	2.50
B-5901	Diamondine, hard rubber handles.....	2.25

## Retractors, Abdominal

B-5702	Funkhauser's, small .....	1.85
B-5705	Funkhauser's, medium .....	2.00
B-5710	Funkhauser's, large .....	2.25
B-5712	Haslam's, with hook handle.....	1.50

## Scrapers

B-5742	French pattern, for bone.....	1.75
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## Trocars

B-5765	Drainage, extra fine.....	1.25
B-5767	Ovarian, Spencer-Well's.....	8.00

## Vaccinators

B-5768	Carroll's .....	.25
B-5770	Edson's, with extra needles and handle.....	1.00

## LIST OF SETS OF INSTRUMENTS IN CASES, POUCHES, ETC.

### Amputating and General Operating Sets

B-5800	No. 1—Small Amputating Set. Contents: Medium Amputating Knife; Small Catling; Scalpel; Ten- aculum; Tourniquet; Bone Forceps; Capital Saw; Thumb Forceps; Needles and Silk; in fine leather covered case, leather lined; each....	22.50
B-5805	No. 7—Compact Operating Set. Contents: Medium and Short Amputating Knives, with one Handle; 8 Metal Handle Minor Operating Knives; Esmarch's Tourniquet; Probes; Director; Artery and Needle Forceps Combined; Curved Scissors; Straight Scissors; Bone Forceps; Pean's Haemostatic For- ceps; Tait's Haemostatic Forceps; Capital Saw; Needles and Silk; in fine sole leather case, leather lined, with handle; each.....	36.00
B-5810	No. 8—Minor Operating Set. Contents: 10 Metal Handle Minor Operating Knives; Small Bone Forceps; Tait's Haemostatic Forceps; Scissors; Plain Thumb For- ceps; Fat End Director; Probes; Needles and Silk; in fine leather covered case, leather lined; each.....	22.50
B-5815	No. 26—Compact Operating Set. Contents: Same as shown on page 178 in catalogue, with additional space for bandages, etc.; each.....	35.00
B-5820	No. 27—Compact Operating Set. Contents: Same as shown on page 178 in catalogue, but with metal case and racks; each.....	40.00
B-5825	No. 17—Peoria Compact Operating Set. Contents: Amputating Knife; Dismounting Saw; Liston's 8½ inch Bone Forceps with Spring; Galt's Trephine; 7 Minor Operating Knives; Curved Scissors; Pean's Artery Forceps; Fenestrated Artery and Needle Forceps; Esmarch's Tourniquet; Director and Tongue Tie; Pair of Probes; Needles and Silk; in neat leather covered case, with fine nickel trimmings with comfortable handles, and 2 removable metal racks; each.....	33.00
B-5830	No. 18—Peoria Compact Operating Set. Contents: Same as No. 17, with Catling Knife added; each.....	36.00

### Knife Sets

B-5840	No. 204—Knife Set. Contents: 6 Knives, Minor Operating Style, best concaved handles on a neat removable metal rack, fitting into a fine leather covered case; each .....	7.00
B-5845	No. 206—Knife Set, same as 204, but with 9 knives; each.....	9.00
B-5850	No. 208—Knife Set, same as 204, but with 12 knives; each.....	13.50

**Nurses' Sets**

B-5880	No. 60—Eastern, Nurse Case. Contents: Pean's Haemostatic Forceps; Probe with Eye; Director; Thumb Forceps; Straight Scissors.. 4 Vials; All-metal Hypodermic Syringe, Regular and Reinforced Needle in the Piston Rod; case is folding style, of monkey grain leather; each.....	\$ 4.50
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**SECTION C****Applicators, Ear and Nasal**

C-7005	Allen's .....	.20
C-7010	Allen's aluminum.....	.20
C-7023	Buck's, triangular, and roughened ends.....	.20
C-7025	Douglass', twisted ends.....	.25
C-7035	Gauze Packers, No. 4-5.....each	.75
C-7040	Gleitzmann's, set of 6 in universal handle.....	1.75
C-7050	Kyle's, best, steel.....	.35
C-7055	Plain, 9 inch, with plated handle.....	.20

**Canulas**

C-7071	Belocq's, plated .....	1.00
C-7072	Belocq's, silver .....	2.50

**Clamps, Stomach**

C-7073	Boston (Weir's), intestinal .....	2.00
C-7074	Meyer's (Gussenbauer's), intestinal .....	9.00
C-5920	Scudder's, short, original, with solid blades.....	4.00
C-5920	Scudder's, long, original, with solid blades.....	5.50

**Clamps, Septum**

C-7075	Bosworth's, small, with set screw, steel.....	1.25
C-7080	Bosworth's, with handle .....	2.50

**Comedone Extractors and Lancets**

C-7090	Hebra's Extractor .....	.50
C-7095	Hebras, Lancets .....	1.00
C-7100	Morrow's Extractor and Lancet.....	1.00
C-7105	Piffard's Extractor .....	.25
C-7110	Plain Tubular Shape Extractor.....	.25

**Curettes, Ear**

C-7126	Holtz's, steel.....	.50
C-7127	Holtz's, steel, serrated .....	.50
C-7135	Wolf's, 3 sizes, for carious matter.....	1.50

**Curettes, Nasal**

C-7141	Quinlan's .....	1.25
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**Curettes, Sinus**

C-7155	Delatour's .....	1.35
C-7170	Westcott's .....	1.60

**Cuspidors**

C-7180	Carr's, for throat work, attached to faucets with tubing, so that running water may be used .....	10.00
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**Device to Prevent Mouth Breathing During Sleep**

C-7185	Dr. French's, adult, No. 1.....	1.00
C-7186	Dr. French's, child's, No. 2.....	1.00

**Forceps, Ear**

C-7200	Allen's .....	2.50
C-7205	Bumstead's .....	3.50
C-7210	Foreign Body, double joint.....	3.50
C-7224	Hartman's, Citelli's .....	8.00
C-7225	Hinton's .....	6.50
C-7227	Politzer's, scissor handle, curved on flat.....	1.50
C-7230	Pond's .....	1.35
C-7235	Tiemann's, double jointed .....	3.75

**Forceps, Laryngeal Throat and Bronchoscopic**

C-7250	Buck's .....	2.00
C-7255	Cohen's, sponge holding, 3 curves.....each	3.25
C-7260	Cusco's .....	6.50



**FORCEPS, LARYNGEAL, THROAT AND BRONCHOSCOPIC—Continued**

C-7263	Elsberg's, for cotton.....	\$ 6.00
C-7469	French's, self-acting, for uvula.....	2.50
C-7275	Leonard's double bent.....	2.25
C-7280	Simrock's, cross action.....	5.00

**Forceps, Ligature**

C-7086	Ferguson's .....	3.00
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**Forceps, Antrum Punching**

C-2171	Citelli's, antrum punching.....	15.00
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**Forceps, Nasal**

C-7290	Jack's, post nasal cutting.....	4.50
C-7296	Jansen-Middleton's, sub-mucous, bent down.....	16.50
C-7310	Noble's, post nasal cutting.....	3.75
C-7318	Robert's, post nasal cutting.....	3.00
C-3762	Ritter-Heyman's, nasal cutting.....	4.50

**Forceps, Tonsil**

C-4955	Ingal's .....	3.00
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**Forceps, Tooth Extracting**

We manufacture 125 styles. White's numbers, some of which are shown on pages 282 and 283. Guaranteed against chipping or breaking. Each.....\$ 1.50

**Gauze Packers**

C-7350	No. 4 nasal .....	.75
C-7355	No. 5, nasal or fistula.....	.75

**Head Bands**

C-7365	Bausch & Lomb style, plain.....	.75
C-4452	Jansen-Pierce, mirror holder (see cut page 276).....	2.50
C-7390	Langmaid's .....	1.50
C-7400	Sajou's .....	1.25
C-7410	Smith's .....	1.25

**Inhalers**

C-7412	Robinson's, zinc.....	.60
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**Knives, Laryngeal and Nasal**

C-3340	Freer's, right, J, nasal.....	1.50
C-3345	Freer's, left, K, nasal.....	1.50
C-5522	Tobold's Concealed Lancet, laryngeal.....	5.00

**Mirrors, Dental**

C-4463	Boilable, plain, with handle, 6 sizes.....each	.80
C-4466	Boilable, plain, no handle, 6 sizes.....each	.60
C-4467	Magnifying, with handle, 6 sizes.....each	.90
C-4468	Boilable, magnifying, no handle, 6 sizes.....each	.60

**Mouth Gags**

C-7418	Gross' .....	5.25
C-7420	Hooper's .....	3.50
C-7425	Mason's .....	4.25

**Needles**

C-7435	Jarvis', transfixion.....	.60
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**Powder Blowers**

C-7447	Knapp's .....	.90
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**Probes**

C-7450	Buck's, plated.....	.35
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**Retractors, Mastoid**

C-2317	Thorner's, 3 prongs.....	1.20
C-2318	Thorner's, 4 prongs.....	1.25

**Retractor's, Uvula**

C-7470	French's, aluminum .....	1.35
C-7471	Sajou's .....	1.35

**Saws, Nasal**

C-7482	Collin's .....	3.00
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**Scissors, Laryngeal and Nasal**

C-7492	Ingal's, nasal dressing .....	2.00
C-7493	Ingal's, for turbinates .....	2.50
C-7491	Tiemann, movable point.....	9.00

**Speculum, Ear**

C-7520	Gruber's, sets 4, aluminum, in case.....	\$ 1.25
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**Speculum, Nasal**

C-7570	Black's, plated.....	1.00
C-2588	De Rhoaldes .....	1.75
C-7590	Elsberg's, trivalve.....	5.50
C-7595	French's .....	3.00
C-7600	Fenestrated, bivalve.....	1.50
C-2541	Myles', sub-mucous.....	1.25
C-7610	Roth's .....	1.25

**Syringes, Ear**

C-2036	Metal, leather piston, with shield and 2 tips, 2 oz.....	2.25
C-2037	All-metal, with shield and 2 tips, 2 oz.....	3.00

**Tongue Depressors**

C-7625	Chapin's, stiff handle.....	.65
C-7630	Chapin's, folding .....	1.00
C-4847	Fenestrated, folding, aluminum.....	.60
C-7640	Goodwillie's, plated .....	.75
C-7645	Goodwillie's, aluminum .....	.75
C-7646	Green's, metal handle.....	.90
C-7655	Herzie's, self-holding.....	1.75
C-7650	Hopkin's .....	.40
C-4850	Kyles, for children .....	1.00
C-4841	Pfau's .....	1.00
C-7681	Sass', original pattern, aluminum.....	1.75
C-7685	Smith's .....	.35

**Tonsil Curettes, Knives, Hooks and Splitters**

C-4995	Pierce's Exploring Hook.....	1.60
C-5010	Plain Right Angle Tonsil Hook.....	1.50
C-5016	Long's Tonsil Hook (Jour. Amer. Med. Ass'n., Jan. 12, 1912).....	2.25
C-5040	Abraham's Tonsil Pillar Knives.....	2.00
C-5080	Green's Tonsil Bistouries.....	2.00
C-5085	Herryng's Knives, blunt.....	2.00
C-4994½	Hurd's Dissector and Hoe, serrated (see cut 4994, page 289).....	2.25
C-5112	Myles' Curved Knives .....	1.75
C-5115	Myles' Curved Knives, right angle.....	1.75
C-5120	Pierce Knives, spear point.....	1.75

**Uvulatomes**

C-5274	McKenzie's .....	9.00
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**Trocars**

C-3486	Douglas', antrum .....	2.25
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**LIST OF SETS IN CASES, POUCHES ETC.****Curettes, Nasal**

C-7800	Beckman's, set of 5 on removable rack, in metal case, each.....	15.00
C-7805	Gottstein-Beckmann's— Contents: 2 Beckmann's and 3 Gottstein's, on removable metal rack and metal case, each.....	15.00

**Laryngoscopic Sets**

C-7810	No. 1— Contents: 3½ inch Concaved Head Mirror; Headband; 3 Throat Mirrors; Universal Handle; Handle to Screw into Ball of Mirror; Tongue Depressor; in fine leather covered case; each.....	6.00
C-7815	No. 2— Contents: 3 inch Concaved Head Mirror; Headband; 2 Throat Mir- rors; Universal Handle; Tongue Depressor; Handle to Screw into Ball of Mirror; in leather covered case; each.....	5.50
C-7820	No. 3—Harvard. Contents: Head Mirror; Headband; 2 Throat Mirrors; Ingal's Nasal Speculum; Cotton Carrier; Flexible Probe; Farlow's Tongue De- pressor; Wild's Ear Forceps; Set of 3 Gruber's Ear Speculums, plated; in neat leather covered case; each.....	10.00

We make up special assortments to order. Dealer's name will be stamped in gilt when ordered in one dozen lots or more.

**Tonsilotomes**

C-7835	Set of 4, Haslam's, latest improved (mod. of Mathieu's), on an aluminum metal rack in leather case.....	21.00
C-7840	Single, Haslam's, latest, in case.....	6.00

**Tooth Forceps**

C-7850	Set of 6 Forceps, in washable canvas roll.....	10.50
C-7855	Set of 12 Forceps, in washable canvas roll.....	20.00
C-7860	Set of 24 Forceps, in fine plush lined roll, with the name and number of forceps stamped in gilt opposite the loop for each forceps.....	48.00



## SECTION D

**Catheters**

D-1241	Female, double current, glass.....	\$ 0.75
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**Clamps, Hemorrhoidal (Pile)**

D-2009	Ashton's .....	2.75
D-2010	Brick's .....	8.00
D-2015	Linn's .....	6.25
D-2035	Parkhill's .....	3.00
D-2036	Pratt's, large .....	7.00
D-2037	Pratt's, small .....	3.00

**Cooling Bougies, Rectal**

D-2040	Artzberger's, curved .....	3.00
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**Dilators, Rectal**

D-43	Pratt's, plain, 6 sizes, aluminum.....each	1.25
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**Dilators, Urethral**

D-2097	Kelly's, solid steel, 16 sizes.....each	1.50
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**Douches, Rectal**

D-47	Bodenhamer's .....	1.75
D-88	Wigmore's, also used as proctoscope.....	2.25

**Endoscopes, Urethral**

D-531	Lydston's .....	2.25
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**Forceps, Lithotomy**

D-2150	Little's, 2 sizes.....each	2.25
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**Forceps, Phimosi**

D-2165	Torlat's .....	2.50
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**Forceps, Urethral**

D-2170	Thompson's, straight .....	1.75
D-2175	Thompson's, curved .....	1.90

**Gorget**

D-2177	Teale's .....	1.75
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**Irrigators**

D-2179	Kelly's, rectal or abdominal.....	1.50
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**Needles, Hemorrhoidal**

D-2182	Ingal's, virgin silver, probe point.....	.75
D-2183	Sharp, guarded, with steel point.....	1.00

**Perculators**

D-2187	For Valentine's Sliding Apparatus.....	1.00
D-2187½	For Valentine's Sliding Apparatus, milk white glass.....	1.35
D-2188	For Valentine's Hanging Apparatus.....	1.00

**Retractors, Rectal**

D-2190	Kelsey's .....	2.25
D-2192	Van Buren's, aluminum.....	2.50

**Rolls, Canvas**

D-2600	To hold 6 urethral sounds.....	.65
D-2605	To hold 8 urethral sounds.....	.70
D-2610	To hold 12 urethral sounds.....	.75
D-2615	To hold 15 urethral sounds.....	.80
D-2620	To hold 30 urethral sounds.....	1.25
D-2626	To hold 8 Pratt's urethral sounds.....	.65
D-2630	With deep pockets for catheters and bougies.....	1.25
Canvas Rolls for uterine and other instruments, see catalogue page 415.		

**Scoops, Lithotomy and Rectal**

D-2193	Double Ended.....	2.75
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**Sounds, Fossil**

D-2195	Piffard's, plain .....	.90
D-2196	Piffard's, graduated .....	1.00

**Sounds, Urethral**

D-757	Keys-Van Buren's, tapering towards handle.....	.80
D-2227	Lister's or Thompson's.....	1.25
D-2245	Roser's .....	1.25
D-2250	Rhoades Set, with interchangeable handle, in case.....	8.50
D-2255	Weiss's, double end.....	.50

**Sound Gauges**

D-813	Metal, A. S. T. A. Standard.....	2.25
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**Specula, Rectal**

D-2259	Alligham's, with obturator.....	3.25
D-2265	Ashton's, trivalve.....	3.50
D-2275	Beebe's .....	3.00
D-2290	Cole's (Pratt's sigmoid).....	2.50
D-2300	Cusco's, stiff handle.....	2.00
D-2312	Earle's, folding.....	2.25
D-2325	Haslam's, hinged with flap.....	3.50
D-2330	Hinged .....	2.75
D-2335	Keen's .....	6.00
D-2340	Kelsey's, folding handle.....	3.75
D-2345	Leonard's, plated.....	2.00
D-2355	Martin's, with hard rubber obturator.....	4.50
D-2360	Mathew's (Louisville).....	3.00
D-2365	O'Reilly's .....	1.75
D-2372	Pratt's, bivalve, fenestrated .....	2.50
D-2380	Pratt's, insulated for electricity.....	6.00
D-2385	Ricord's .....	2.75
D-2390	Ricord's, fenestrated .....	2.75
D-2395	Sass' .....	2.00
D-2400	Sims', double ended.....	1.25
D-2405	Skene's, plated .....	1.75
D-2415	Spring Action, rectangular.....	2.25

**Specula, Urethral**

D-2430	Skene's, double ended.....	1.50
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**Spermatorrhea Rings**

D-2435	Adjustable .....	.50
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**Searchers, Stone**

D-2445	Gouley's .....	1.40
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**Tubes, Urethral**

D-2461	Bolton-Bang's, silver, No. 22 French scale.....	4.50
D-2462	Bolton-Bang's, silver, No. 24 French scale.....	5.00
D-2463	Bolton-Bang's, silver, No. 26 French scale.....	5.50
D-2455	Wyeth's, silver, for cocaine.....	1.50

**List of Sets in Cases, Pouches, Etc.**

D-2510	Kelly's Ureteral Set.....	16.50
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**Sounds in Cases and Rolls**

D-2555	Ideal set of 6, prostatic, in case .....	7.50
D-2560	Ideal set of 8, prostatic, in case .....	9.00
D-2565	Ideal set of 12, prostatic, in case .....	14.50
D-2570	Ideal set of 30, prostatic, in case .....	33.00
D-2556	Ideal set of 6, prostatic, in canvas roll .....	6.00
D-2561	Ideal set of 8, prostatic, in canvas roll.....	7.50
D-2566	Ideal set of 12, prostatic, in canvas roll.....	12.00
D-2535	Lefort's, set of 3, with 2 filiform bougies, in case.....	9.00
D-2540	Lefort's, set of 3, with 2 superior grade bougies, in case.....	10.50
D-2542	Lefort's, set of 6, with 4 bougies, in case.....	15.00
D-2545	Lefort's, set of 6, with 4 superior grade bougies, in case.....	20.00
D-767	Pratt's, male or female, set of 16 sizes, double ended, in case.....	7.50
D-768	Pratt's, male or female, set of 16 sizes, double ended, in canvas roll..	6.00
D-2250	Rhoades set of 12, with interchangeable handle, in flexible case.....	8.50
D-2632	Van Buren's, set of 8, two piece, in case .....	6.50
D-2635	Van Buren's, set of 8, two piece, in canvas roll.....	5.00
D-2580	Van Buren's, set of 12, on removable metal rack, in case.....	15.00

**SECTION E****Applicators**

E-3005	Douglass', uterine or laryngeal.....	.35
E-3012	Mitchell's, to apply soluble pencils.....	1.25
E-4376	Skene's, instillation tubes.....	.20

**Cephalotribes**

E-3025	Simpson's .....	16.50
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**Clamps, Ovariectomy**

E-3036	Spencer-Wells', parallel.....	\$ 3.50
E-3037	Spencer-Wells', forceps .....	3.50
E-3038	Thomas' .....	5.00

**Curettes, Uterine, Irrigating**

E-510	Berlin, set of 3 .....	1.25
	Berlin, set of 3, in case.....	2.00
E-3065	Berlin, set of 3, in fine case with aluminum rack.....	2.25

**Curettes, Uterine**

E-3114	Byford's, sharp, mod. by Mueller.....	1.50
E-3115	Cheatham's .....	2.40
E-3120	Collins' .....	2.50
E-3130	Emmet's, blunt .....	1.10
E-3135	Emmet's, sharp .....	1.25
E-3160	Roux's .....	1.50
E-3195	Thomas, serrated edge, heavy spoon.....	2.50
E-3200	Thomas', extra large loop.....	1.25
E-3201	Thomas', mod. by Mueller.....	1.25

**Dilators, Uterine**

E-579	Goodell's, regular.....	6.00
E-531	Hanks', metal, 12 sizes.....each	1.00
E-532	Hanks', complete set in canvas roll.....	6.50
E-3205	Leonard's .....	3.00
E-3222	Palmer's, original model, plain blade.....	2.75
E-3223	Palmer's, original model, corrugated blade.....	3.25
E-3227	Scanzoni's, 3 blades.....	8.00
E-3230	Sims', 3 blades.....	9.50
E-3235	Spiral or Worm End.....	4.50
E-3240	Stafford's .....	4.00
E-3245	Thomas' .....	2.50

**Douches**

E-3265	Jennison's, uterine .....	1.50
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**Ecraseurs, Uterine**

E-3280	English, slow working .....	9.00
E-3281	Koberle's, small .....	3.50
E-3282	Koberle's, large .....	4.00
E-3283	Koberle's Pins .....	.75
E-3285	Miles' .....	8.50
E-3290	Smith's, straight .....	3.50
E-3295	Smith's, curved .....	3.50
E-3300	Smith's, combined with straight and curved tip.....	4.00
E-3305	Tiemann's, chain, straight .....	9.50
E-3310	Tiemann's, chain, curved .....	9.50

**Elevators, Cyst**

E-3311	Borck's .....	1.25
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**Elevators, Uterine**

E-3315	Emmet's .....	2.75
E-3316	Guernsey's .....	1.00
E-3320	Ludlam's .....	4.25
E-3325	Ludlam's, modification of Guernsey's .....	1.10
E-3330	Sims', original pattern .....	5.00
E-3335	Sims', latest pattern .....	5.00

**Forceps, Uterine Dressing**

E-3390	Thomas', self-acting .....	3.50
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**Forceps, Obstetric**

E-3460	Anderson's .....	6.75
E-3465	Aveling's .....	8.00
E-3475	Barnes-Simpson's, long .....	6.00
E-3520	Comstocks' .....	6.50
E-3525	Corning's, axis traction .....	12.00
E-3530	Davis' .....	6.00
E-3535	Davis-Landis' .....	6.00
E-3665	Davis-Simpson's, with 2 tape holes.....	5.00
E-3670	Davis-Simpson's, with 4 tape holes.....	5.00
E-3546	Gardner's, axis traction .....	12.00
E-3573	Hunter's .....	9.00
E-3547	Good's, axis traction.....	20.00
E-3570	Hodge's, Philadelphia pattern .....	4.50
E-3575	Jenks', long .....	6.00
E-3580	Jenks', short .....	5.00
E-3585	Jewett's .....	6.50
E-3590	Knox, short .....	6.50
E-3591	Knox, long .....	7.50
E-3630	Neville's, axis traction .....	17.00
E-3635	Porter-Mathieu's, axis traction.....	18.00

**FORCEPS, OBSTETRIC—Continued**

E-3650	Sawyer's, short.....	\$ 4.50
E-3653	Scrogg's .....	7.00
E-3680	Simpson's (A. R.), axis traction.....	22.00
E-3685	Spack's, axis traction .....	20.00
Any other Special Obstetric Forceps made to order		

**Forceps, Pedicle, Sac and Tumor**

E-3696	Reverdin's, 1 blade, fenestrated .....	3.50
E-3697	Wilcox's, sac .....	4.50

**Forceps, Pelvic Abscess .....**

E-3698	Cushing's .....	3.75
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**Forceps, Placenta**

E-3699	Douglass' .....	2.50
E-3700	Hart's .....	3.25
E-3715	Polk's .....	2.50

**Forceps, Polypus and Tumor**

E-3732	Byrne's .....	4.00
E-3735	Greenhalgh's, adjustable lock .....	5.50
E-3740	McClintock's .....	4.50

**Forceps, Tenacula**

E-2755	Bantocks' .....	2.00
E-3757	Emmet's .....	2.25
E-3760	Sliding Pattern .....	1.50

**Forceps, Tissue and Seizing**

E-3769	Adjustable, with catch .....	2.50
E-3770	Massachusetts General Hospital pattern.....	1.00
E-746	Thomas' .....	3.00

**Forceps, Vulsellum**

E-3794	Czernay's, 8 prong, 7½ inch.....	3.00
E-3795	Leonard's .....	2.50
E-3798	Mathew's (Louisville) .....	3.25
E-3800	Nott's, cross action .....	2.00
E-867	Schroeder's, heavy, straight .....	2.25
E-872	Schroeder's, curved on flat, heavy.....	2.40
E-877	Schroeder's, heavy, curved on edge .....	2.40

**Forceps, Wire Shouldering**

E-3810	Thomas' .....	1.75
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**Hooks, Counter Pressure**

E-3820	Hanks', with prongs .....	1.25
E-3825	Leonard's, with adjuster .....	1.50
E-3830	McDonald's .....	1.75
E-3835	Munde's .....	1.25

**Hysterotomes**

E-3845	Peaslee's, 1 blade .....	3.00
E-3850	Peaslee's, 2 blades .....	4.50
E-3851	Simpson's .....	7.50
E-3852	Skene's .....	3.75

**Pelvimeters**

E-3856	Baudelocque's .....	9.50
E-3857	Schultz's .....	9.00

**Pessaries, Stem**

E-1447	Aluminum, with bayonet slot for thimble introducer .....	.50
E-1446	Aluminum, with bayonet slot and thimble introducer, gold plated, complete in fine case (Paris, France).....	2.50
E-1438	Glass .....	.25
E-1448	Aluminum Cup .....	.75

**Pessary Introducers**

E-3865	Thimble for Pessary, with plain hole .....	.25
E-3870	Thimble for Pessary, with bayonet slot .....	.35

**Perforators, Obstetric**

E-1873	Holmes' .....	2.25
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**Ponches**

E-3687	Canvas, for obstetric forceps.....	.50
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**Reamers, Uterine**

E-3875	Sellman's .....	3.00
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**Retractors Vaginal**

E-3882	Martin's, anterior .....	\$ 2.00
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**Scissors, Umbilical**

E-3886	Straight .....	1.25
E-3887	Curved .....	1.50

**Scissors, Uterine**

E-3892	Kuechenmeister's .....	3.50
E-3889	Sims', curved, 9-inch .....	2.25
E-3888	Sims', straight, 9-inch .....	2.00
E-3893	Skene's, buttonhole, for bladder .....	2.75

**Sounds, Uterine**

E-3894	Simpson's, aluminum .....	.65
E-386	Sims', aluminum .....	.60

**Specula, Cervical**

E-236	Polk's .....	1.75
E-239	Tiemann's (Elliott's) .....	6.00
E-3896	Wylie's .....	1.25

**Specula, Vaginal**

E-3895	Bath, Haslam's Wire Expanding .....	.75
E-3901	Beebe's, operating .....	2.50
E-3905	Blake-White's, trivalve .....	2.25
E-3915	Bozeman-Sims' .....	1.50
E-3927	Carsten's, double ended .....	2.00
E-3935	Cleveland's, 2 sizes, with belt .....	each 3.00
E-3945	Collins', improved, folding handle .....	3.50
E-3950	Collins', douche (Talley's) .....	3.00
E-3955	Cordier's .....	2.75
E-3965	Cusco's, stiff handle, regular size .....	1.75
E-3970	Cusco's, stiff handle, extra long .....	2.00
E-3980	Dawson-Sims' .....	3.00
E-4010	Ehrich's, self-retaining, divided blade .....	8.50
E-4015	Ehrich's, depressors for above .....	2.00
E-4020	Emmet-Sims', with handle .....	2.25
E-4025	Ethridge's .....	2.00
E-4030	Fitch's .....	1.75
E-4040	Gilliam's Retracting, self-acting .....	3.50
E-4045	Goodell's, 3 sizes .....	each 2.75
E-4060	Gottfried's .....	4.00
E-4085	Grave's, with 2 fenestra in the lower blade and corrugations on the upper blade .....	2.00
E-4095	Heburn's .....	1.75
E-4105	Hewitt's, long .....	2.00
E-4110	Hewitt's, short .....	2.00
E-4150	Howard's .....	2.25
E-4155	Hunter's, bivalve .....	3.00
E-4175	Jefferson's, 2 sizes .....	2.25
E-4185	Jones' .....	3.00
E-4190	Keen's, virgin .....	5.00
E-4191	Labia, wire .....	1.75
E-4195	Mann's, modification of Thomas' .....	7.50
E-4197	Metcalf's .....	1.00
E-4225	Munde's .....	1.75
E-4230	Munde's, aluminum .....	1.75
E-4235	Nelson's, 2 sizes .....	each 2.25
E-4245	Neugebauer's, 4 in set .....	7.50
E-4250	Neugebauer's, 2 in set .....	4.00
E-4060	Nott's, irrigating .....	4.00
E-4270	Palmer's, bivalve .....	2.25
E-4295	Reid's .....	6.50
E-4300	Ricord's, bivalve, virgin .....	2.50
E-4305	Simon's, set of 8 blades, 2 handles .....	11.00
E-4310	Simon's, blades only .....	1.75
E-4315	Simon's, handles only .....	1.75
E-4320	Sims', 6 sizes .....	each 1.25
E-4325	Sims', aluminum .....	1.50
E-4326	Sims', with handle .....	2.00
E-4335	Sims-Blake-White's, aluminum .....	1.50
E-4337	Spring Action, 3 blades .....	5.50
E-4340	Stephens' .....	2.25
E-4345	Storer's .....	2.00
E-4358	Thomas'-Sims', with elevator .....	7.50
E-4359	Thomas' (Los Angeles) .....	7.50
E-4370	Woman's Hospital Sims' .....	1.25
E-4372	Wood's .....	2.50

**Sponge Holders**

E-307	Grainger's .....	1.00
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**Tampon Extractors**

E-237	Sims', double spiral .....	.75
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**Tenacula**

E-4375 Dudley's .....\$ 0.75

**Vaginal Depressors**

E-4385 Hunter's ..... .60  
 E-4395 Nott's, double ended ..... .60  
 E-4400 Nott's, aluminium, double ended ..... .60  
 E-4410 Sims', with handle ..... .75

**Vaginometers**

E-4415 Baker's ..... 2.75

**Ventral Fixation Instruments**

E-4417 Muncie's ..... 7.50

**White Drill Operating Stockings**

E-2186 Full Thigh, per dozen pairs..... 15.00

**VETERINARY INSTRUMENTS****Ampliphones**

Page 17, illustrated catalogue.

V-5 In paper boxes .....\$ 2.50  
 V-10 In cases ..... 3.25

**Aprons**

See page 189, illustrated catalogue.

**Balling Guns**

V-15 Plain ..... 2.00  
 V-20 With spring ..... 2.50

**Balling Irons ..**

V-25 Japanned ..... .50  
 V-30 Nickel plated ..... .70  
 V-31 McLean's, folding (mouth speculum), for pocket..... 3.25

**Bandage Rollers**

See page 184, illustrated catalogue.

**Bone Scrapers**

V-35 French pattern ..... 1.75

**Catheters**

V-100 Mare, plated ..... 1.25  
 V-105 Mare, plated, jointed ..... 1.50  
 V-110 Horse, gum elastic ..... 2.00  
 V-115 Combined Horse and Mare, with spiral end for horses..... 2.65

**Chisels**

V-120 Costotome ..... 1.00

**Chisels, for Teeth (Dental)**

V-125 French, guarded ..... 5.50  
 V-140 Plain ..... 1.25

**Clamps, Castrating**

V-150 With double slide ring..... 4.00  
 V-155 With ratchet ..... 4.50

**Clamps, Dog Ear Trimming**

V-160 Aluminum ..... 2.00  
 V-165 Dublin pattern (White's) ..... 3.00

**Curettes, Bone**

V-180 Oval, sharp ..... 1.25  
 V-185 Round, sharp ..... 1.25

**Cutters, Teeth (Dental). Incisor Nippers**

V-190 Curved, heavy ..... 7.00  
 V-195 Downs or Sands' ..... 11.00  
 V-200 Fash's or Conkey's ..... 14.50  
 V-205 Saterlee's, 10-inch ..... 3.50  
 V-210 Saterlee's, 12-inch ..... 4.00

See Bone Forceps, page 123, illustrated catalogue.

**Cutters, Molar, With Stationary Handles**

V-215 Straight, closed jaw, stiff handles, 14-inch..... 6.50  
 V-220 Straight, closed jaw, stiff handles, 16-inch..... 7.50  
 V-225 Straight, closed jaw, stiff handles, 18-inch..... 9.00  
 V-230 Straight, closed jaw, stiff handles, 20-inch..... 10.00  
 V-235 Straight, closed jaw, stiff handles, 24-inch..... 12.00  
 V-240 Straight, open jaw, stiff handles, 18-inch..... 9.00  
 V-245 Straight, open jaw, stiff handles, 20-inch..... 10.00  
 V-250 Straight, open jaw, stiff handles, 24-inch..... 12.00  
 V-255 Straight, closed jaw, stiff handles, 14-inch drop jaw..... 6.50  
 V-260 Straight, closed jaw, stiff handles, 16-inch drop jaw..... 7.50  
 V-265 Straight, closed jaw, stiff handles, 18-inch drop jaw..... 9.00  
 V-270 Straight, closed jaw, stiff handles, 20-inch drop jaw..... 10.00  
 V-275 Straight, closed jaw, stiff handles, 24-inch drop jaw..... 12.00  
 V-280 Straight, open jaw, stiff handles, 18-inch drop jaw..... 9.00  
 V-285 Straight, open jaw, stiff handles, 20-inch drop jaw..... 10.00  
 V-290 Straight, open jaw, stiff handles, 24-inch drop jaw..... 12.00  
 V-295 House's, open jaw, stiff handles, 18-inch..... 9.00



**CUTTERS, MOLAR, WITH STATIONARY HANDLES—Continued**

V-300	House's, open jaw, stiff handles, 20-inch.....	\$10.00
V-305	House's, open jaw, stiff handles, 24-inch.....	12.00
V-310	House's, closed jaw, stiff handles, 14-inch.....	6.50
V-315	House's, closed jaw, stiff handles, 16-inch.....	7.50
V-320	House's, closed jaw, stiff handles, 18-inch.....	9.00
V-325	House's, closed jaw, stiff handles, 20-inch.....	10.00
V-330	House's, closed jaw, stiff handles, 24-inch.....	12.00

**Cutter's, Molar, for Jointed Handles**

V-335	Closed jaw, for jointed handles.....	8.00
V-340	Open jaw, for jointed handles.....	8.00
V-345	Open jaw, first molar.....	8.00
V-350	Closed jaw, first molar.....	8.00
V-355	Closed drop jaw.....	8.00
V-360	Open drop jaw.....	8.00
V-365	Mead's, lever action, jointed handle.....	15.50
V-370	Merrillat's, molar separating forceps.....	8.00
V-375	Universal Handles for above, with wooden grips, pair.....	3.50
V-380	Universal Handles for above, all-metal grips, pair.....	3.00

Unless otherwise specified we will send the regular square shoulder screw, although we can supply the cone screw, if desired, at the same price.

V-385	McCune's, double-action cutter, with straight and angular jaw, with one pair of handles.....	30.00
V-390	Set, including a small, closed cutter, straight nipper and extractor, with one pair of handles; per set.....	27.00

**Dilators, Uterine**

V-395	Goodell's, 27 inches long.....	20.00
V-400	Teat.....	.90
V-401	Teat, plain.....	.25

**Directors, Grooved**

V-405	5-inch.....	.25
V-410	6-inch.....	.60

**Docking Chisels**

V-415	Docking Chisels.....	3.75
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**Docking Shears**

V-420	With wood block.....	10.00
V-425	With double curved blades, jointed handles.....	10.00

**Drenching Bits**

V-430	Cody's, with halter.....	3.50
V-435	Burton's.....	2.75

**Ecraseurs**

V-440	English pattern, slow working.....	8.00
V-445	Koberle's.....	3.25
V-450	Miles', all-steel, warranted.....	9.00
V-460	Smith's, straight, for wire.....	3.50
V-465	Smith's, curved, for wire.....	3.50
V-470	Smith's, with straight and curved tips.....	4.00

**Emasculators**

V-475	Canine.....	4.50
V-477	Horse, regular.....	7.00
V-480	With adjustable blades, by means of screw.....	7.00
V-490	Spaying.....	16.00

**Firing Irons**

V-495	Assorted shapes, wooden handles.....each	1.00
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**Fleams**

V-500	Plain grade, 2 blades.....	.50
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**Files and Floats**

The following list of Floats are hand forged and hand cut, thus making them far more durable than machine cut files. They have a greater number of teeth than the ordinary files, which makes it possible to operate more easily with them, as they work like a plane. Being hand cut, a harder and finer quality of steel may be used than it is possible to use in making machine cut files. They are made in our own factory, by the well known maker, J. F. McCune, and fully guaranteed.

V-505	Right, guarded, jointed handles, No. 1.....	\$ 3.00
V-510	Left, guarded, jointed handles, No. 2.....	3.00
V-515	Set on angle for first molar, jointed handles, No. 3.....	2.75
V-520	Set on angle for lower molar, jointed handles, No. 4.....	2.75
V-525	Straight, for general use, jointed handles, No. 5.....	2.75
V-530	Teeth cut reversed, so that the instrument may be drawn towards the operator, for last molar; jointed handles; No. 6.....	2.75
V-535	Complete set of above, Nos. 1 to 6.....per set	1.35
V-540	English, jointed handles, No. 7.....	2.75
V-545	English, solid handles, No. 7½.....	2.25
V-550	German, jointed handles, No. 8.....	2.75
V-555	German, solid handles, No. 8½.....	2.25
V-560	Guarded, jointed handle, No. 9.....	2.75
V-565	Guarded, solid handle, No. 9½.....	2.25
V-570	V-shaped, jointed handle, No. 10.....	2.75
V-575	V-shaped, solid handle, No. 10½.....	2.25
V-580	House's Floats, for general or upper molars, jointed handles, No. 11....	2.25
V-585	House's Floats, set at an angle for lower molar, jointed handles, No. 12	2.25
V-590	House's Floats, set at angle for first molar, jointed handles, No. 13....	2.25
V-595	Upper, or for general use, concave blade, jointed handles, No. 14.....	2.75
V-600	Set at angle for lower molar, concave blade, jointed handles, No. 15.....	2.75

**FILES AND FLOATS—Continued**

V-605	Set at angle for first molar, concave blade, jointed handles, No. 16.....	\$ 2.75
V-610	Extra Blades for any House floats or Nos. 11, 12, 13.....	.30
V-615	Extra Concave Blades for Nos. 14, 15, 16.....	.50
V-620	S-form File and Rasp No. 17.....	1.35
V-625	Small S-form, for finishing, No. 18.....	1.35
V-630	Straight Flat Incisor File and Rasp No. 19.....	1.35
V-635	New Incisor File and Rasp No. 20.....	1.75
V-640	Bayonet File and Rasp No. 21.....	2.00
V-645	New Bayonet File and Rasp No. 22.....	2.00
V-650	McCune First Molar Incisor and Finishing File, No. 23.....	2.00
V-655	First Molar Float File and Rasp, No. 24.....	2.00

Prices quoted above are for nickel-plated goods.  
Special files made to order at short notice.  
Send for illustrated circular on above.

**Foal Hooks**

V-660	Benton's Rope Carrier .....	1.35
V-665	Montgomery's .....	2.50
V-670	Double, blunt .....	2.75
V-675	Mullen's .....	2.50
V-680	Richardson's, sharp .....	1.10
V-685	Single, blunt .....	1.10
V-690	Single, sharp .....	1.10

**Forceps, Artery**

See illustrated catalogue, B-230 to B-405.

**Forceps, Bitch and Pig**

V-695	Plain, fenestrated, ring handle (Corey's) .....	2.75
V-700	Plain, fenestrated, hook handle .....	3.75
V-705	LaBau's, small .....	3.25
V-710	LaBau's, large .....	3.25

**Forceps, Extracting, Molar and Root**

V-730	Straight, stationary handles, molar extractors, 13-inch.....	4.00
V-735	Straight, stationary handles, molar extractors, 16-inch.....	7.50
V-740	Straight, stationary handles, molar extractors, 18-inch.....	9.00
V-745	Straight, stationary handles, molar extractors, 20-inch.....	10.00
V-750	Straight, stationary handles, molar extractors, 24-inch.....	12.00
V-755	Straight, stationary handles, root extractors, 13-inch.....	4.00
V-760	Straight, stationary handles, root extractors, 16-inch.....	7.00
V-765	Straight, stationary handles, root extractors, 18-inch.....	9.00
V-770	Molar Extractor, open jaw, for jointed handle.....	8.00
V-775	Molar Extractor, half open jaw, for jointed handle.....	8.00
V-780	Molar Extractor, closed jaw, for jointed handle.....	8.00
V-785	Root Extractor, for jointed handle.....	8.00
V-875	Universal Handles for above, with wooden grips.....per pair	3.50
V-880	Universal Handles for above, all-metal .....	3.00

Unless otherwise specified we will send the regular square shoulder screw, although we can supply the cone screw, if desired, at the same price.

**Forceps, Wolf Teeth, Extracting**

V-790	Straight handle, 9-inch .....	2.90
V-795	Straight handle, 13-inch .....	4.00
V-800	Curved handle, 9-inch .....	2.90
V-805	Curved handle, 13-inch .....	4.00
V-810	Bayonet jaw, 9-inch.....	2.90
V-815	Bayonet jaw, 13 inch.....	4.00

**Forceps, Sand Crack**

V-820	Small .....	6.75
V-825	Medium .....	6.75
V-830	Large .....	6.75
V-831	Clamps to use with above, each 10c; per dozen.....	.85

**Forceps, Splinter**

V-835	Post's, small size .....	1.75
V-836	Post's, 9-inch.....	2.50
V-840	Van Buren's, straight .....	2.25
V-845	Van Buren's, curved .....	2.50
V-847	Van Buren's, bayonet .....	2.50

**Forceps, Vulsellum**

V-850	Billroth's, heavy .....	3.75
V-855	Jacobs' .....	2.00

**Gags, Mouth Specula**

V-860	Green's, with bridle .....	6.40
V-865	Haslam's, with bridle .....	6.00
V-870	Varnell's, with bridle .....	9.00

**Gouges**

V-873	Dental .....	1.60
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**Hoof Expanders**

V-875	Three sizes .....	each .70
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**Hoof Searchers**

V-880	Hoof Searcher .....	3.00
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**Hypodermic Syringes**

See illustrated catalogue.

**Impregnators**

V-883	Sutherland's, glass barrel, 3 rings.....	3.50
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**Instrument Rolls**

V-890	No. 1, Single row loops, 12x23 inches, 13 loops.....	\$ 1.00
V-895	No. 1, Double row loops, 12x23 inches, 13 loops.....	1.25
V-900	No. 2, Single row loops, 12x29 inches, 17 loops.....	1.00
V-905	No. 2, Double row loops, 12x29 inches, 17 loops.....	1.25
V-910	No. 3, Single row loops, 12x35 inches, 21 loops.....	1.10
V-915	No. 3, Double row loops, 12x35 inches, 21 loops.....	1.35
V-920	No. 4, Single row loops, 15x23 inches, 13 loops.....	1.10
V-925	No. 4, Double row loops, 15x23 inches, 13 loops.....	1.35
V-930	No. 5, Single row loops, 15x29 inches, 17 loops.....	1.25
V-935	No. 5, Double row loops, 15x29 inches, 17 loops.....	1.50
V-940	No. 6, Single row loops, 15x21 inches, 21 loops.....	1.35
V-945	No. 6, Double row loops, 15x21 inches, 21 loops.....	1.60
V-950	No. 8, Single row loops, 8x12 inches, 13 loops.....	.75
V-953	No. 8, Double row loops, 8x12 inches, 13 loops.....	.90
V-955	No. 13, Double row loops, 14½x35 inches, 22 loops.....	1.60
V-960	No. 20, Double row loops, 15½x35 inches, 20 loops.....	1.75

Special sizes made to order promptly.

**Knives, Hoof**

V-975	Single edge, all-steel handles, best, hand forged, right.....	1.50
V-977	Single edge, aluminum handles .....	1.85
V-980	Single edge, all-steel handles, best, hand forged, left.....	1.50
V-985	Double edge, all-steel handles, best, hand forged.....	1.50

**Knives, Minor Operating**

V-990	One Piece, English steel blades, hand forged, 57 style blades.....each	.90
V-993	Heavy, plain handle knives .....	1.00
V-995	Heavy, concave handle, drawn finish.....	1.25

**Milking Tubes**

V-1005	Plain, assorted sizes .....	.15
V-1007	Plain, silver, assorted sizes .....	.50
V-1010	Self-retaining, silver .....	.65
V-1015	Self-retaining, plated .....	.25
V-1020	Adjustable, with flange.....	.60

**Needle Holders**

V-1025	Richter's .....	net 4.50
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**Pocket Cases**

Pocket Cases fitted up to order at short notice.

**Probes**

V-1028	Jointed, 2 parts, 10 inch.....	.60
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**Probangs**

V-1030	Bristle, canine, 1912 model.....	1.50
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**Repellers**

V-1050	Hinged .....	3.00
V-1051	Handles for above.....	2.00

**Scissors**

V-1052	La Croix's, 9 inch.....	7.00
V-1053	La Croix's, 13 inch.....	8.50
V-1055	Rowelling .....	2.50
V-1056	Heavy Curved, 6½ inch, plain edge.....	1.35
V-1057	Heavy Curved, 6½ inch, serrated edge.....	1.50

**Seton Needles**

V-1060	Plain, 6 to 12 inches.....	.85
V-1065	Plain, 12 to 18 inches.....	1.25
V-1070	Jointed, 2 part.....	1.50
V-1075	Jointed, 3 part.....	2.25
V-1080	Witherspoon's, guarded. Price on application.	

**Specula, Eye**

V-1110	Plain wire.....	.50
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**Specula, Vaginal**

V-1115	Knowles' .....	17.50
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**Syringes**

V-1116	Quitman's, 5 cc.....	1.25
V-1117	Quitman's, 10 cc.....	1.80
V-1120	Tuberculin, with 2 needles.....	1.50

See illustrated catalogue, page 78

**Thermometers**

V-1125	Thermometers, in guarded cases.....	1.00
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**Teat Slitters**

V-1130	Plain .....	1.00
V-1135	With 3 finger rings.....	1.75
V-1140	Boston .....	2.00
V-1145	Green's .....	3.35

**Trachea Tubes**

V-1155	Double plated, self-retaining .....	2.50
V-1156	Double plated, self-retaining, with sieve.....	3.50
V-1160	Single plated.....	2.00

**Trocars**

V-1173	Ball's .....	1.25
V-1165	Reversible, corrugated, cylindrical handle.....	1.25
V-1170	New style, with open handle, 2 sizes.....each	1.25
V-1175	Cattle, with 1 canula, metal handle.....	1.25
V-1180	Cattle, with 2 canulae, metal handle.....	1.75
V-1185	Cattle, with 3 canulae, metal handle.....	2.00

See other Trocars in illustrated catalogue, pages 163 and 164







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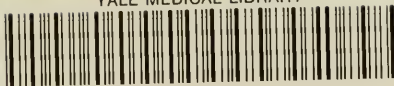
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