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Illustrated Catalogue of Standard Surgical Instruments and Allied Lines

A. P. Cary

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STANDARD SURGICAL INSTRUMENTS

The A. P. Cary Company
DALLAS—HOUSTON, TEXAS

Illustrated Catalogue

OF

Standard Surgical Instruments

AND

Allied Lines

FOURTH EDITION

The A. P. Cary Company

Cary Building
1813 Main Street
Dallas, Texas

American Express Building
Capitol and Travis Streets
Houston, Texas


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EXPLANATORY

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When no directions for the manner of shipment accompany an order we ship it by the means of transportation which seems best, in our judgment.

It is our aim to give the best possible service, and we solicit your continued patronage.

THE A. P. CARY COMPANY

INTRODUCTORY

In issuing this catalogue we are compelled by uncertain trade conditions to omit prices from the body matter and to add a separate, loose price list which may be changed from time to time to meet necessity. Prices cannot be made permanent at this time and must be changed, often without notice being given our customers.

The catalogue is to serve as a reference by which customers may make their wants known to us specifically so that we may be able to give intelligent and satisfactory service.

We find it impractical to include in one catalogue the large lines, such as hospital furniture, X-Ray apparatus, etc., but invite correspondence when such equipment is required and will send complete literature upon request.

THE A. P. CARY COMPANY

Section "A"



Dissecting and Post-Mortem Instruments

Diagnostic Instruments and Apparatus

Microscopes and Microscopic Accessories

Laboratory Apparatus and Glass Ware

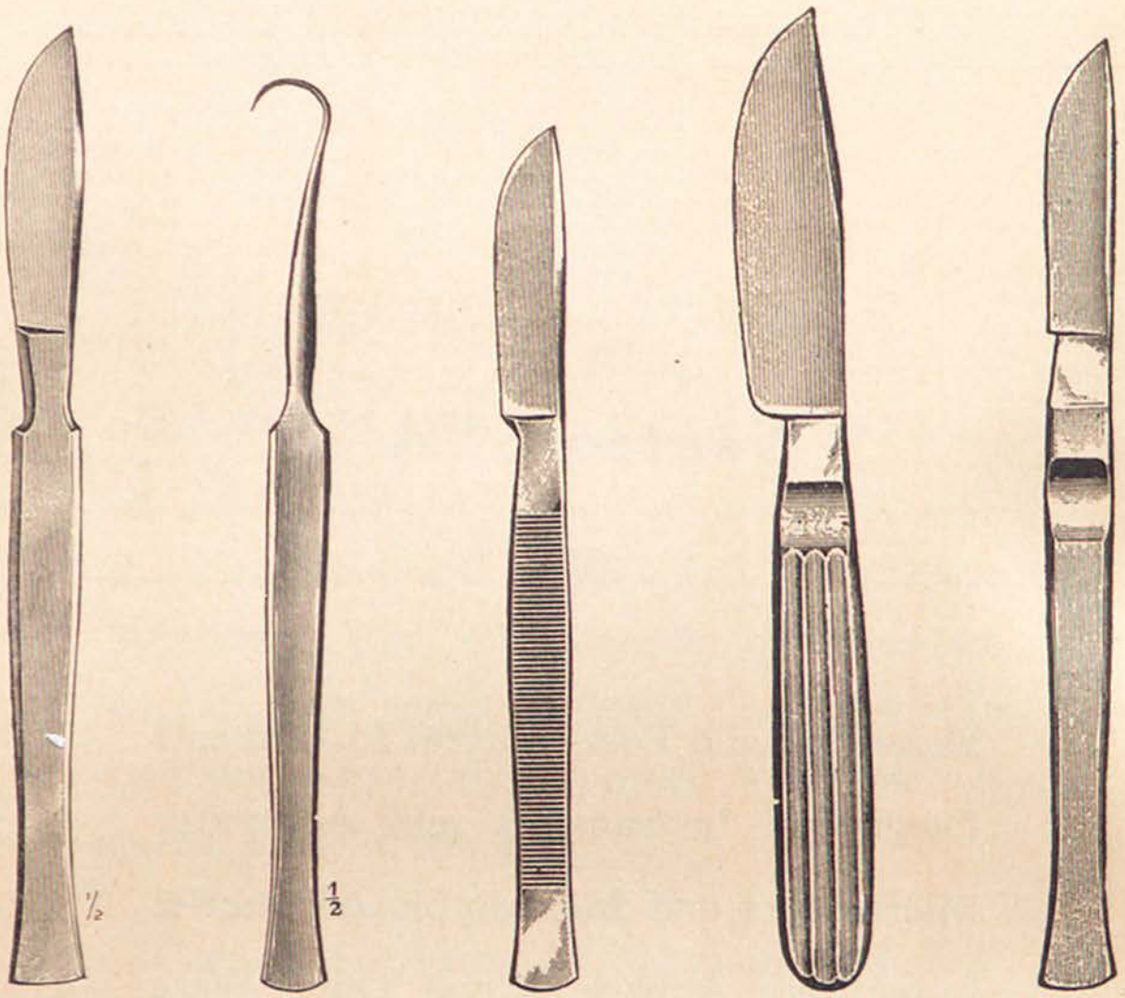
Apparatus for Blood and Urine Analysis

Apparatus for Phlebotomy, Cupping and Leeching

Apparatus for Infusion and Transfusion

Syringes for Aspiration and Injection

Osteological Preparations



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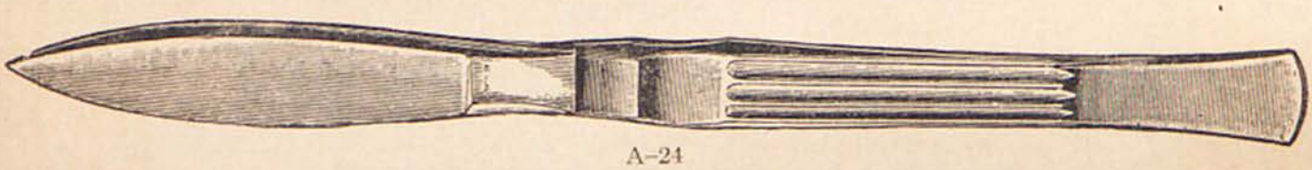
A–22



A–24

Dissecting and Post-Mortem Instruments

Dissecting Knives

*A– 1 Scalpels, ebony handle.
A– 2 Scalpels, all steel.
*A– 3 Scalpels, all steel, fine quality.
*A– 5 Tenaculum, ebony handle.
A– 7 Tenaculum, all steel.
*A– 9 Tenaculum, all steel, fine quality.

Cartilage Knives

A–10 Plain, all steel, serrated handle.
A–12 American pattern, hollow metal handle.
A–14 English pattern, hollow metal handle.
*A–16 **Virchow's,** hollow metal handle.

Post-Mortem Knives

*A–18 **McCallum's,** hollow metal handle.
*A–20 **Virchow's,** bellied blade, hollow metal handle.
A–22 **Virchow's,** large bellied blade, hollow metal handle.
A–24 **Virchow's,** center point, hollow metal handle.



A–35



A–32



A–50



A–55



A–57



A–62



A–64

Dissecting and Post Mortem Instruments

Blowpipes

*A–30 Plain.
A–32 Plain, with mouthpiece.

Brain Knives

A–35 **Virchow's,** hollow metal handle, 6⅜ in., 9½ in.

Chisels

*A–40 Plain, 3 widths.
*A–42 Costotome.
*A–45 Rachiotome.
A–50 **Von Brun's.**

Gouges

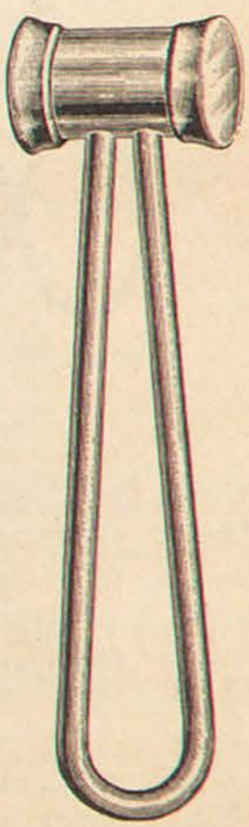
A–55 Plain.
A–57 **Von Brun's,** 3 widths.

Forceps

*A–60 Fine, broad points.
A–62 Fine, narrow points.
A–64 Plain, broad points.

Mallets

*A–70 All steel, hooked handle.
*A–72 Rawhide, wood handle.
A–74 **Morgan's,** bronze, non-rebounding.
*A–76 **Virchow's.**



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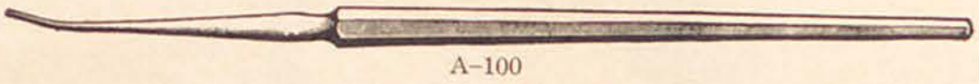

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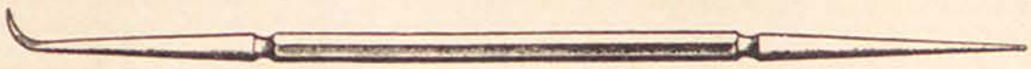

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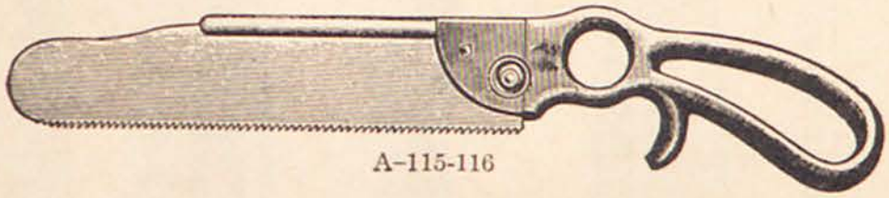
A–104



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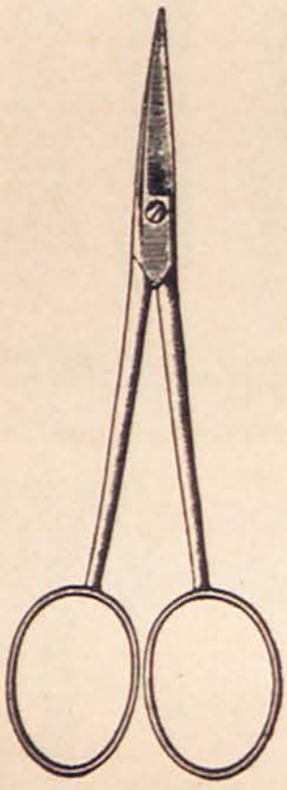

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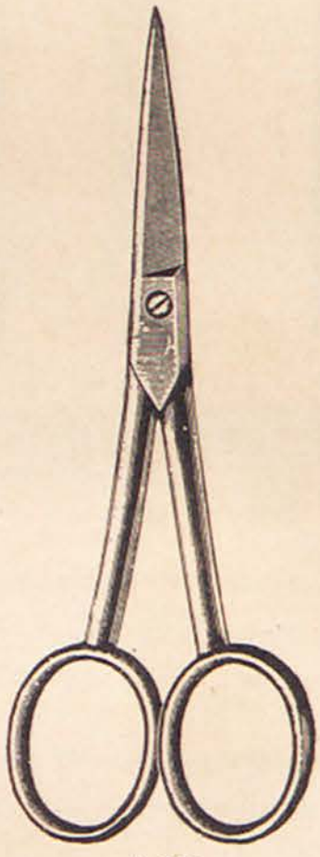

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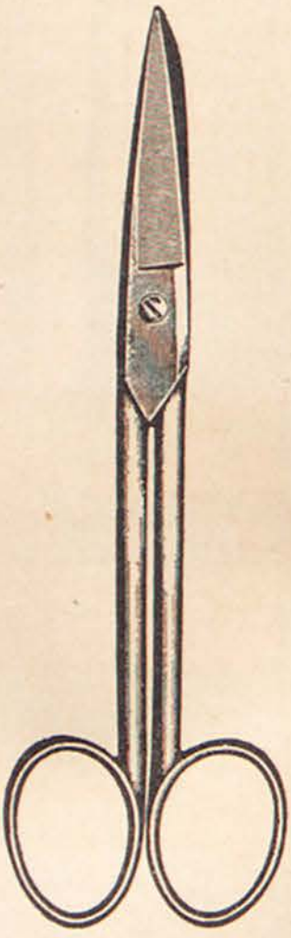


A–130

Dissecting and Post Mortem Instruments

Hooks

*A– 80 Calvarian.
*A– 82 Chain, triple.

Needles

*A– 90 Straight, dissecting.
*A– 91 Half curved, dissecting.
*A– 92 Double curved, dissecting.

Probes

A–100 **Johns Hopkins'** pattern.
A–102 Seeker, double end.
A–104 **University of Chicago** pattern.

Reamers

*A–110 Post-mortem.

Saws

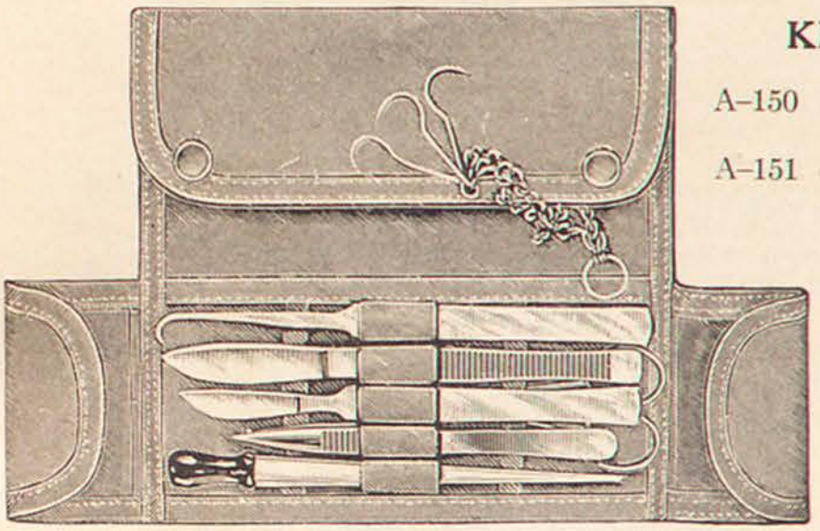
A–115 **Charriere's,** 6-inch blade.
A–116 **Charriere's,** 8-inch blade.

Scissors

A–120 Scissors, fine quality, 4½-inch.
A–125 Scissors, plain, 4½-inch.
A–130 Scissors, heavy, 6-inch.

Contents of Dissecting Cases

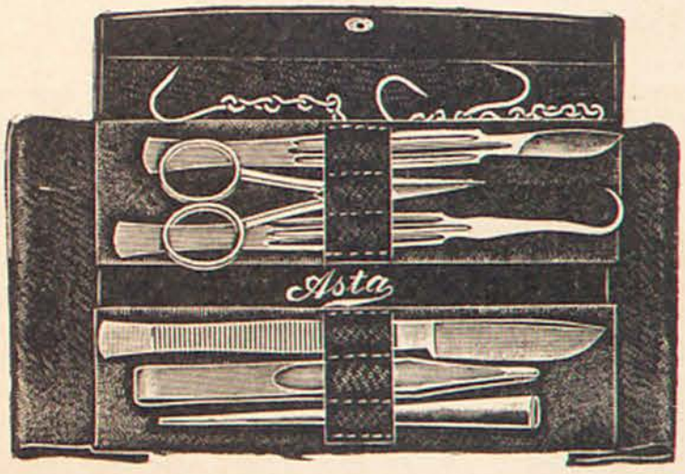
No. 1. Dissecting Case, contains: 1 scalpel, 1 tenaculum, 1 cartilage knife, 1 forceps, 1 scissors, 1 set chain hooks, 1 blowpipe.
No. 2. Dissecting Case, contains same as No. 1 with 1 scalpel added.
No. 3. Dissecting Case, contains same as No. 2 with 1 scalpel added.
No. 4. Dissecting Case, contains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



A–150-152

Khaki Rolls, University

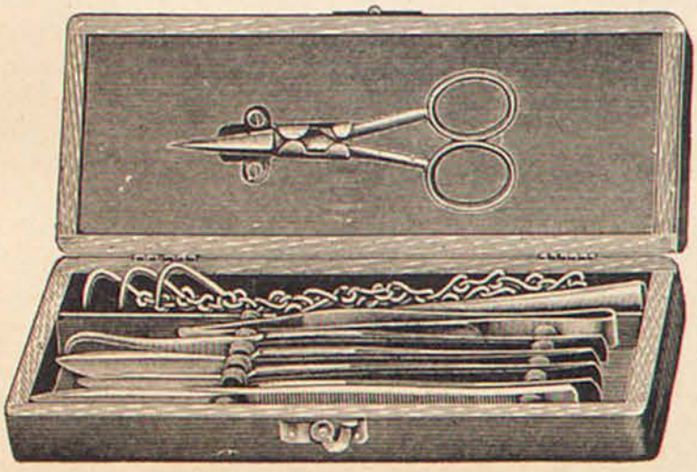
A–150 No. 1. Case, with metal handle instruments.
A–151 No. 2. Case, with metal handle instruments.
A–152 No. 3. Case, with metal handle instruments.



A–170

Leatherette Case

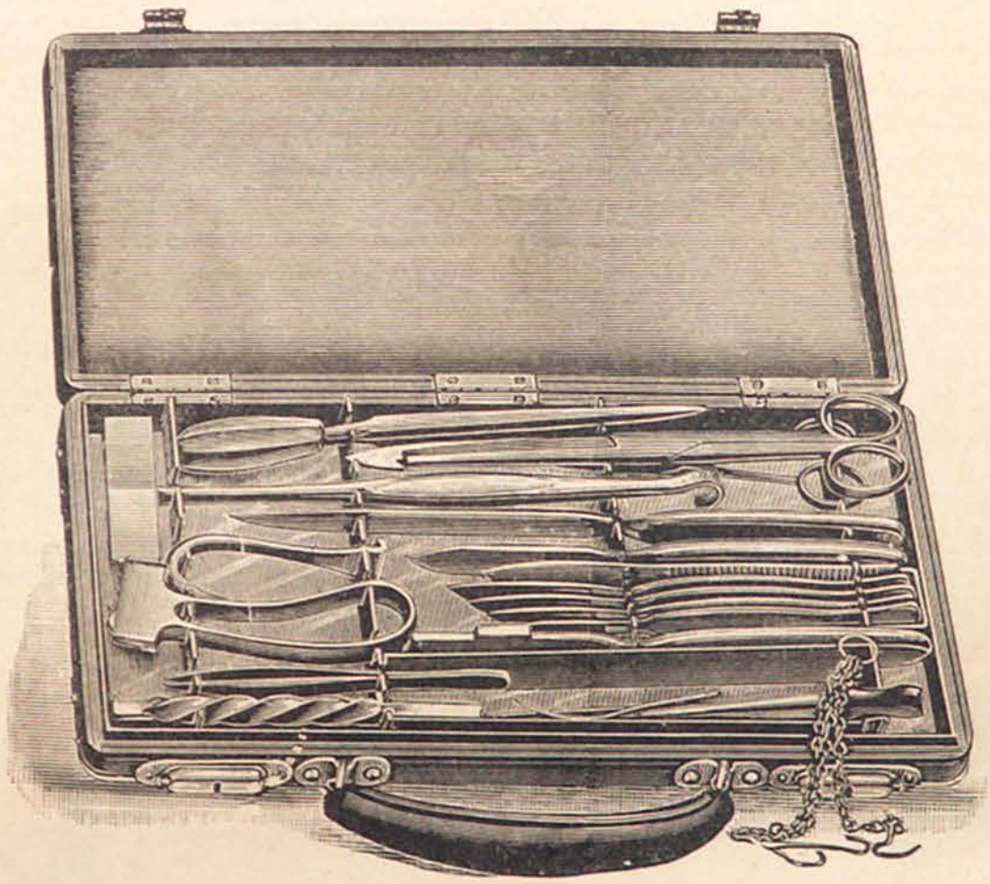
A–170 No. 1. Case, with metal handle instruments.



A–180-203

Polished Wood Case

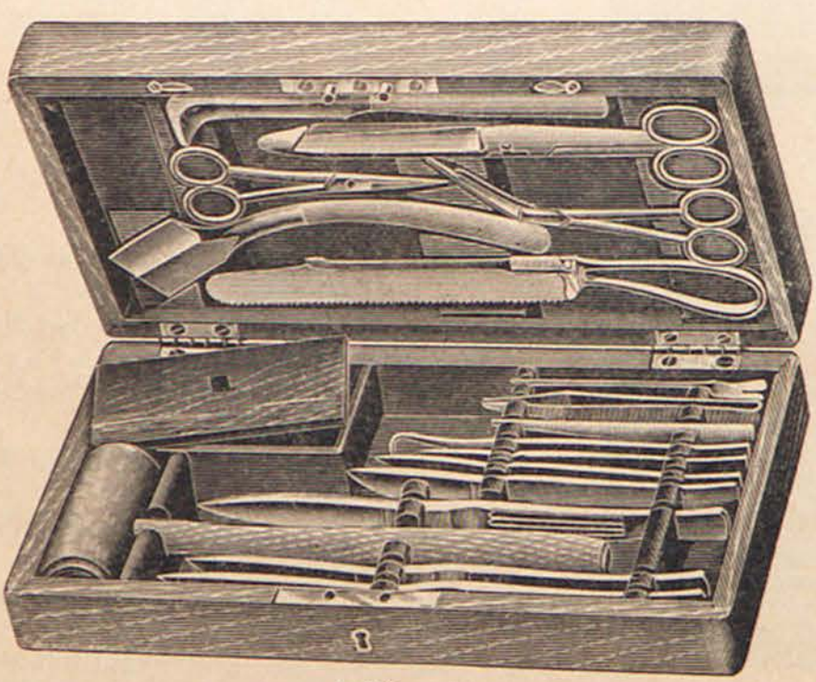
A–180 No. 1. Case, with ebony handle instruments.
A–181 No. 2. Case, with ebony handle instruments.
A–182 No. 3. Case, with ebony handle instruments.
A–200 No. 1. Case, with metal handle instruments.
A–201 No. 2. Case, with metal handle instruments.
A–202 No. 3. Case, with metal handle instruments.
A–203 No. 4. Case, with metal handle instruments.



A–250

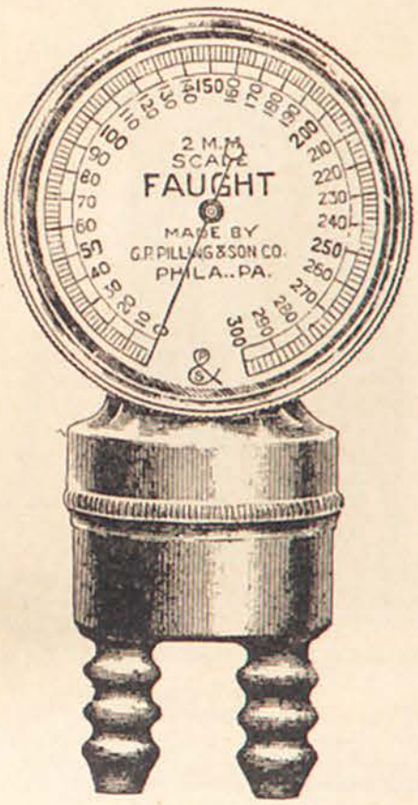
Post-Mortem Cases

A–250 Twentieth Century Post-Mortem Case. Contents: 4 best quality scalpels, 1 heavy cartilage knife, 1 reamer, 1 enterotomy 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 rachitome, 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.



A–260

A–260 **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 Charriere's 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.



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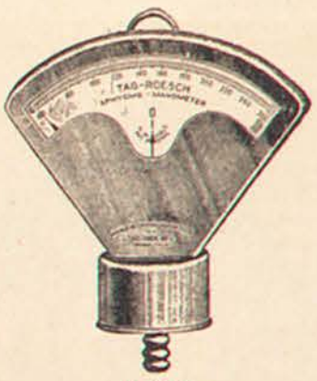

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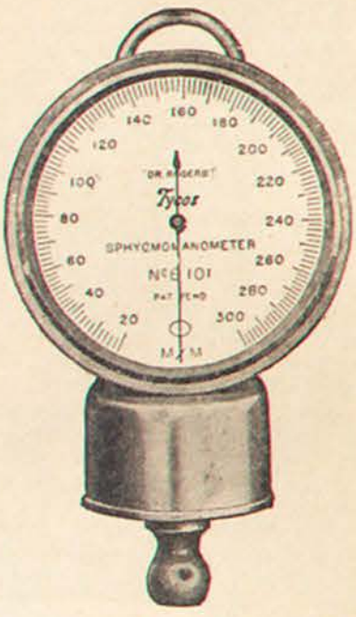

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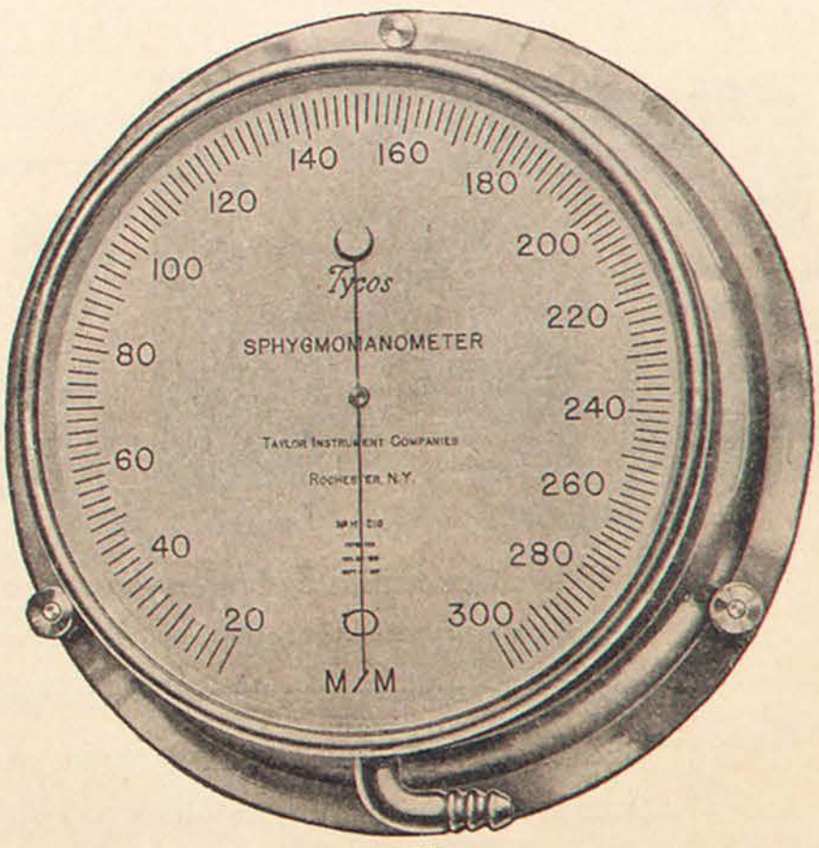
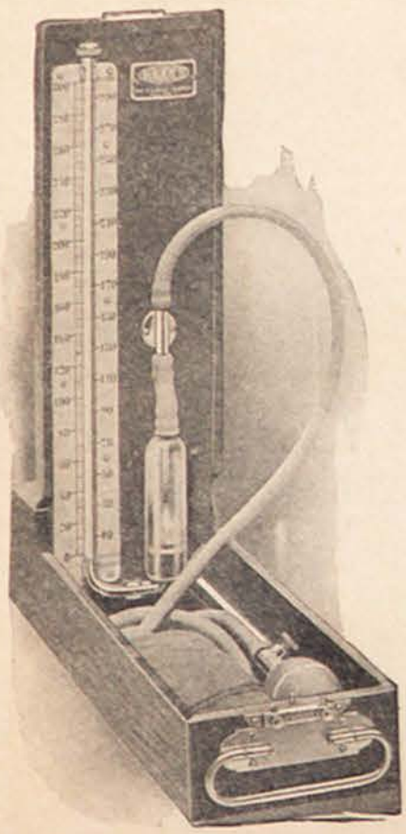


A–281

Aneroid Sphygmomanometers

A–270 **Faught's,** pocket, complete with cuff and pump, in case.
A–275 **Tag-Roesch's,** pocket, complete with cuff and bulb, in case.
A–280 **Tyco's,** pocket, complete with cuff and bulb, in case.
A–281 **Tyco's,** office type, complete.



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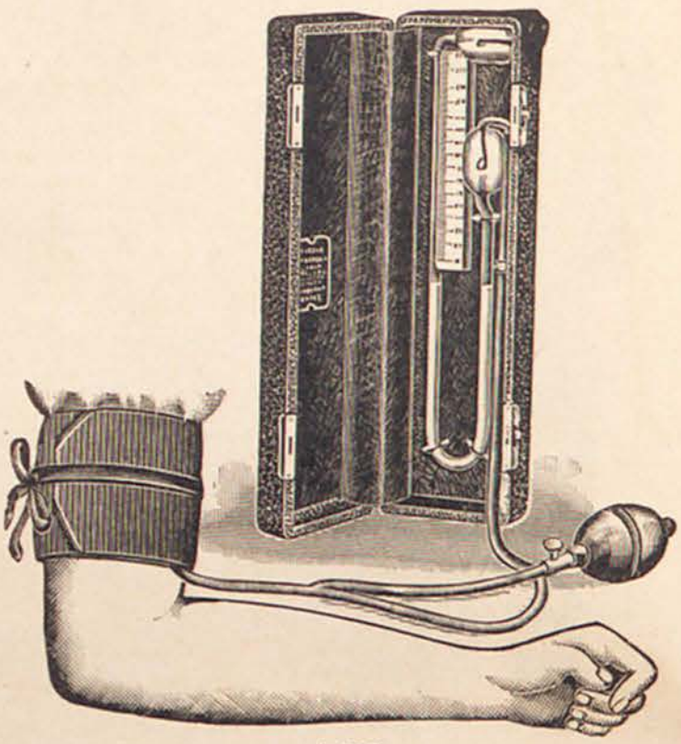

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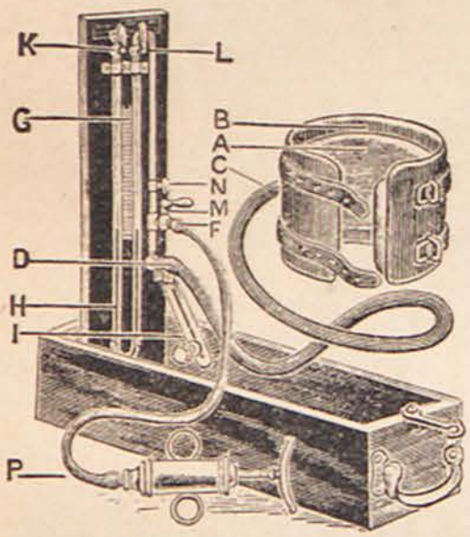

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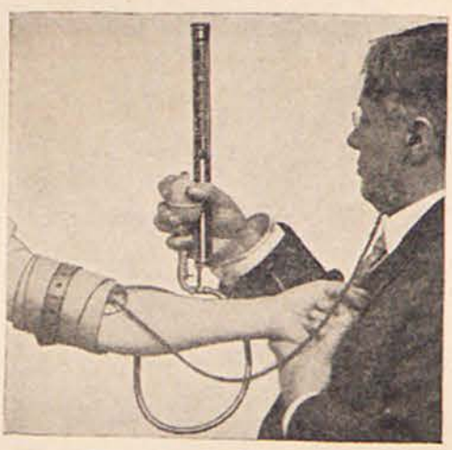

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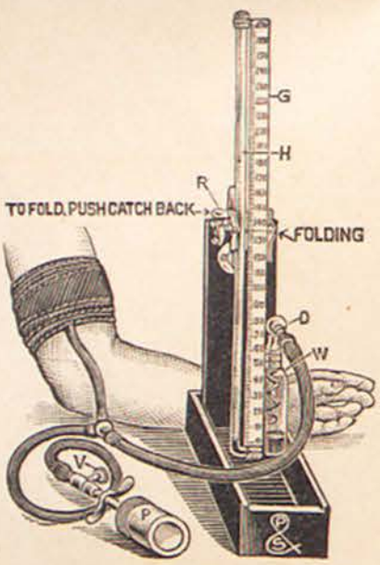

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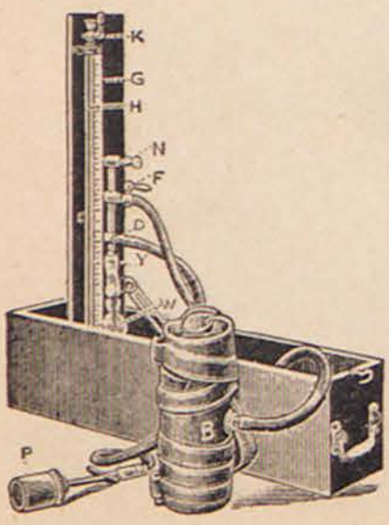


A–319

Mercurial Sphygmomanometers

A–290 **Baumanometer,** desk model, complete with cuff and bulb.

A–291 **Baumanometer,** kit model, complete with cuff and bulb.

A–292 **Baumanometer,** pocket model, complete with cuff and bulb.

A–293 **Baumanometer,** wall board, complete with cuff and bulb.

A–300 **Brown's,** complete with cuff and bulb.

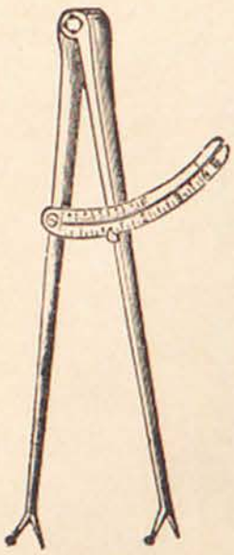
A–305 **Faught's,** complete with cuff and pump.

A–310 **Mercer's,** complete with cuff and bulb, in soft leather case.

A–315 **Pilling's,** pocket, complete with soft cuff and bulb.

A–319 **Pilling's** special, No. 1, with stiff cuff and pump, mahogany case.

*A–320 **Pilling's** special, No. 2, with soft cuff and pump, plain oak case.



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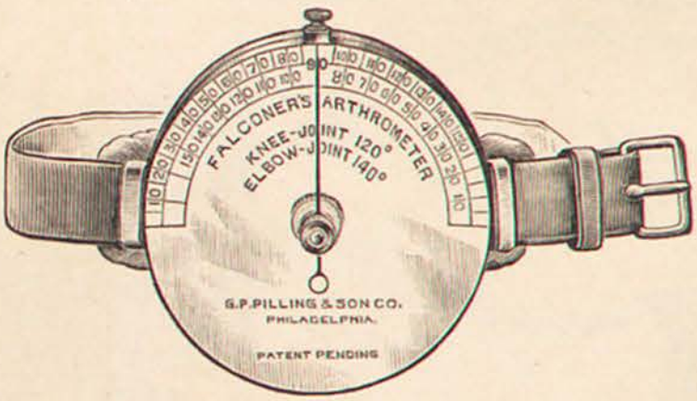

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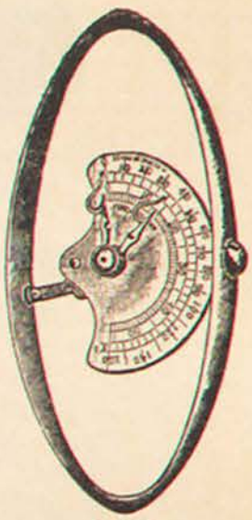

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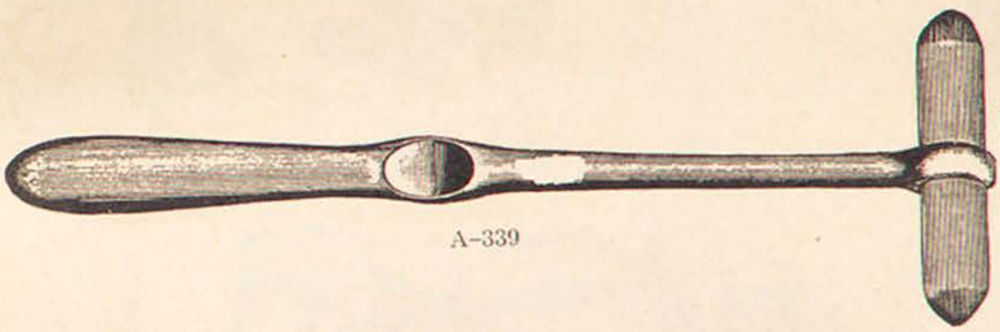

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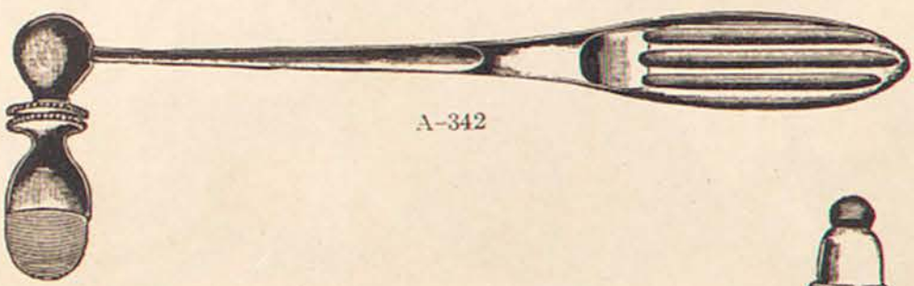

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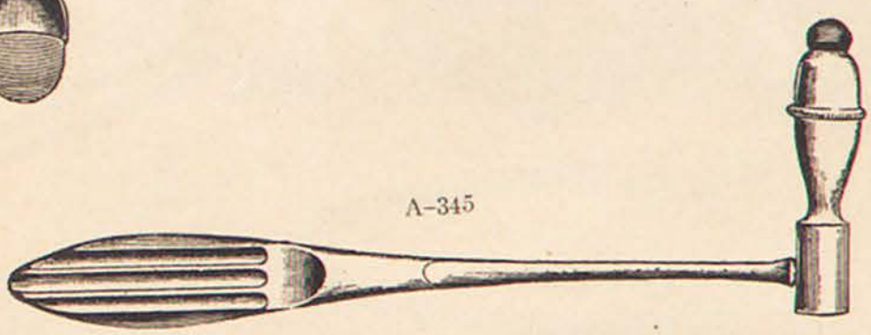

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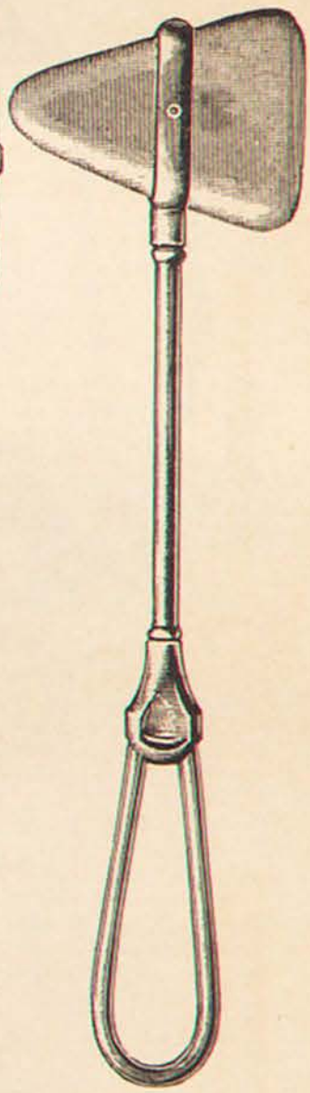


A–347

Aesthesiometers

A–330 **Carroll's.**

Arthrometers

A–335 **Falconer's,** for measuring mobility of joints. Descriptive booklet sent on application.

Dynamometers

A–337 **Collins'.**

Percussors

A–339 **Flint's,** metal handle.
A–342 **Niemayer's,** solid handle.
A–345 **Traube's,** metal handle.
A–347 **Taylor's,** heavy, metal handle.



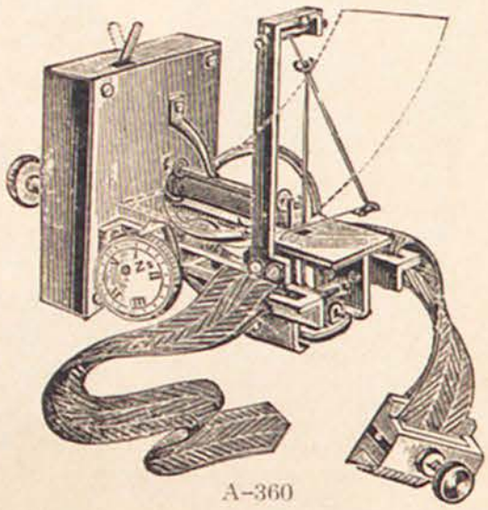
A–350



A–353



A–355



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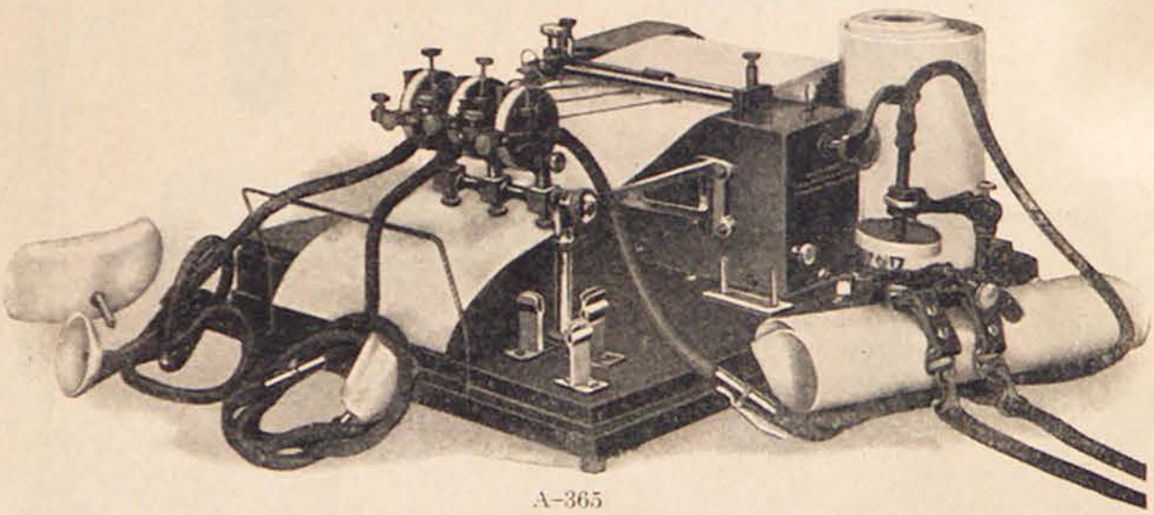


A–365

Pleximeters

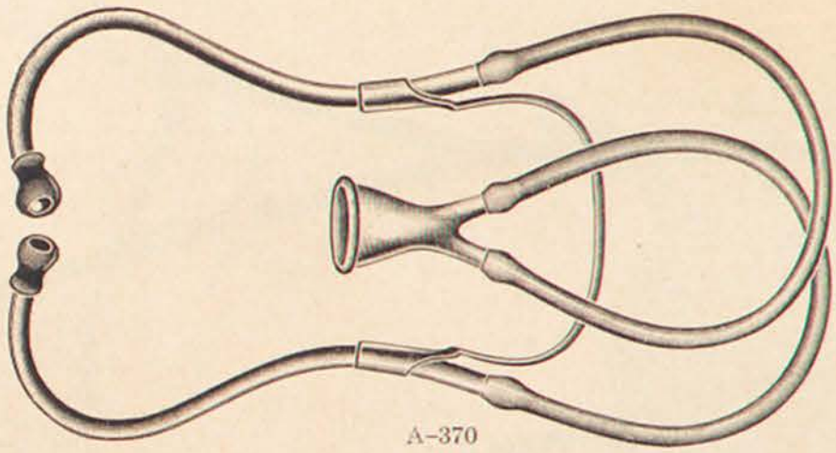
A–350 Hard rubber, oval shape
A–353 **Hesse's,** glass.
A–355 **Struck's,** hard rubber.

Sphygmographs

A–360 **Dudgeon's.**
*A–362 **Richardson's.**

Ink Polygraphs

A–365 **Mackenzie's** New American Model (Dressler's modification) with 3 non-rubber diagphragms, ready assembled for immediate use, as shown, in case.



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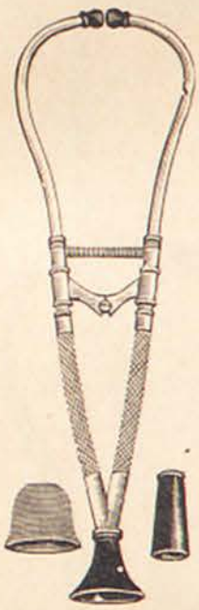

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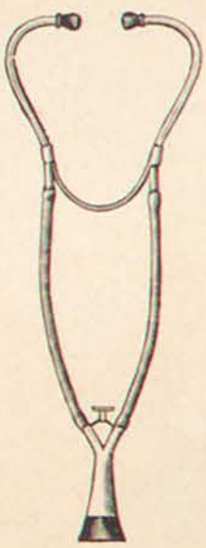

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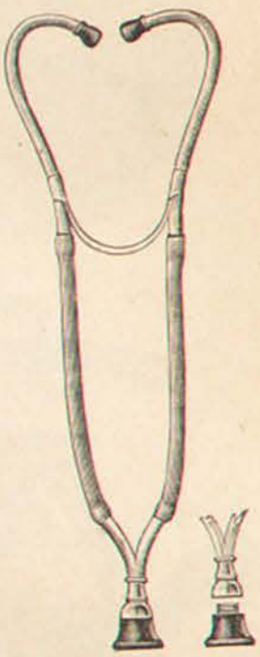

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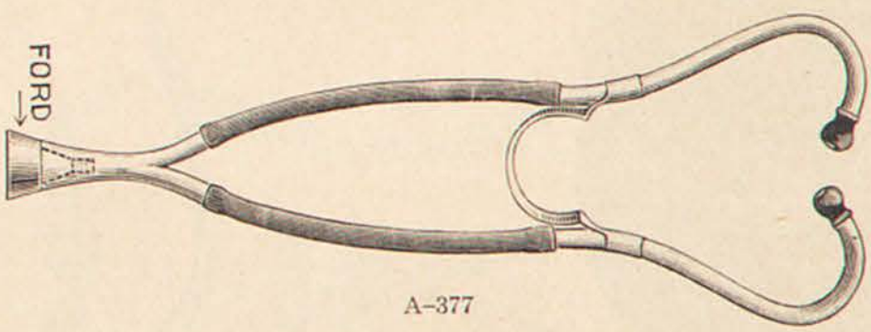
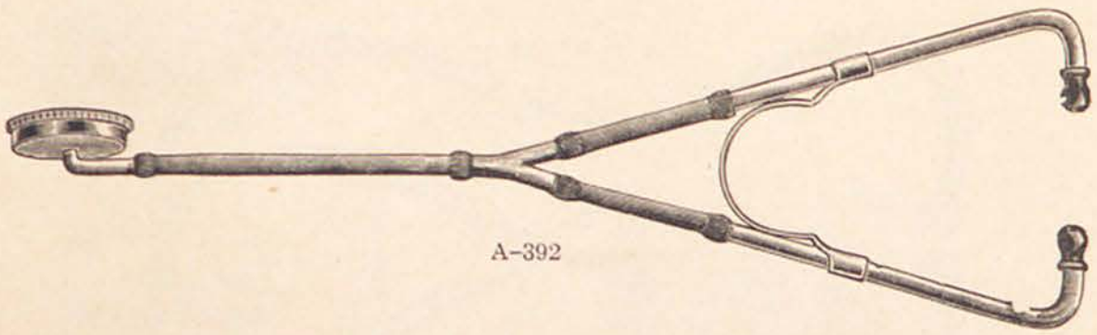


A–377

Stethoscopes—Bell Type

A–370 **Acme,** with metal binaurals.
*A–371 **Acme,** with soft rubber binaurals.
A–373 **Camman's,** with spiral spring.
A–375 **Downs',** with metal tubing; with flexible metal tubing.
A–377 **Ford's** (Post-Graduate), with rubber tubing; with flexible metal tubing.
*A–379 **Sheppard's,** folding.
A–381 **Snofton's,** with rubber tubing.
A–382 **Snofton's,** with flexible metal tubing.
*A–385 **Tiemann's.**



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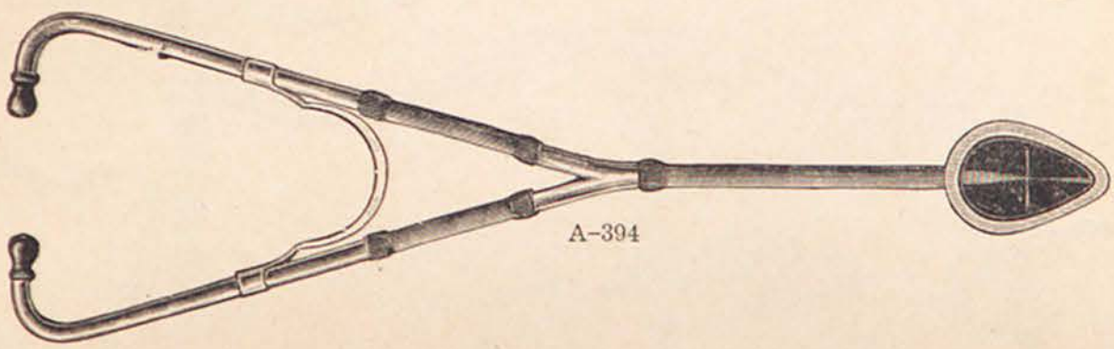

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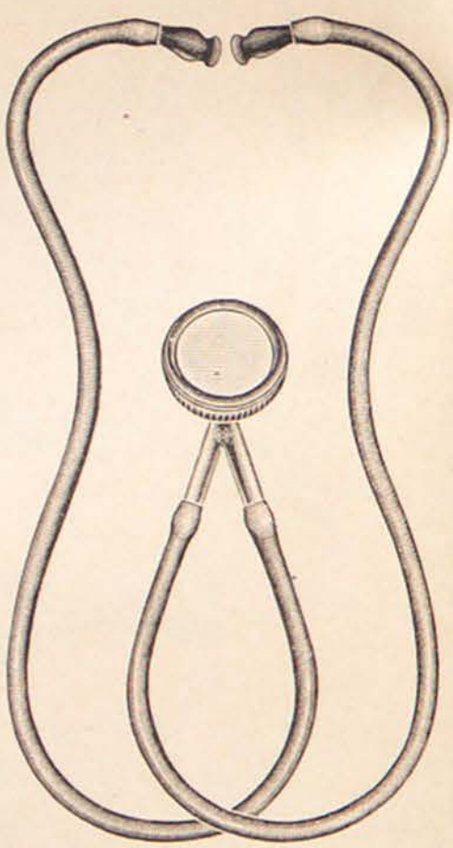
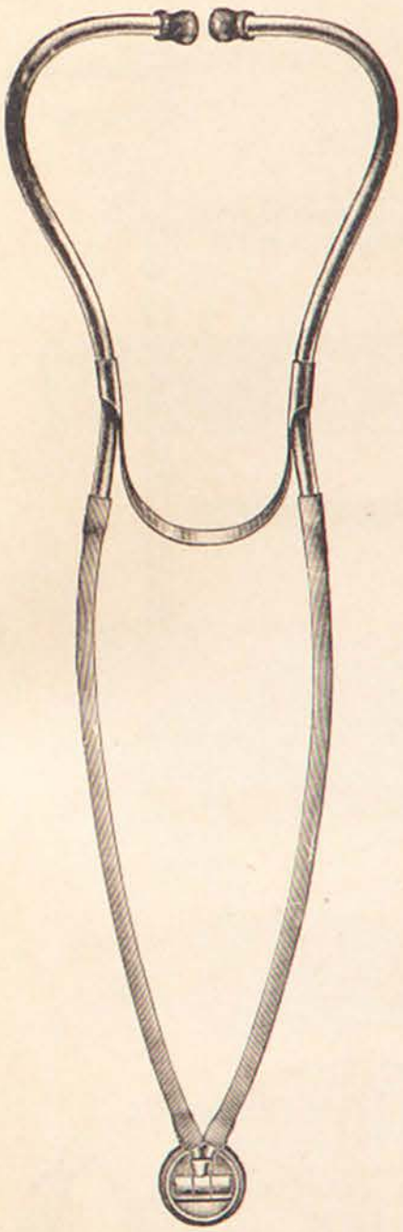
A–398



A–399

Stethoscopes—Diaphragm Type

*A–390 **Ampliphone.**
A–392 **Bowle's,** round diaphragm, 1⅜, 1¾ or 2⅛ inches in diameter.
A–394 **Bowle's,** flat-iron diaphragm, one size only.
A–398 **Carsten's** Duplex, with two diaphragms, 1¾ and 1 inch respectively.
A–399 **Douglass,** with all soft rubber tubes, in khaki pouch.
*A–400 **Douglass,** with metal ear tubes and soft rubber connecting tubes, in khaki pouch.



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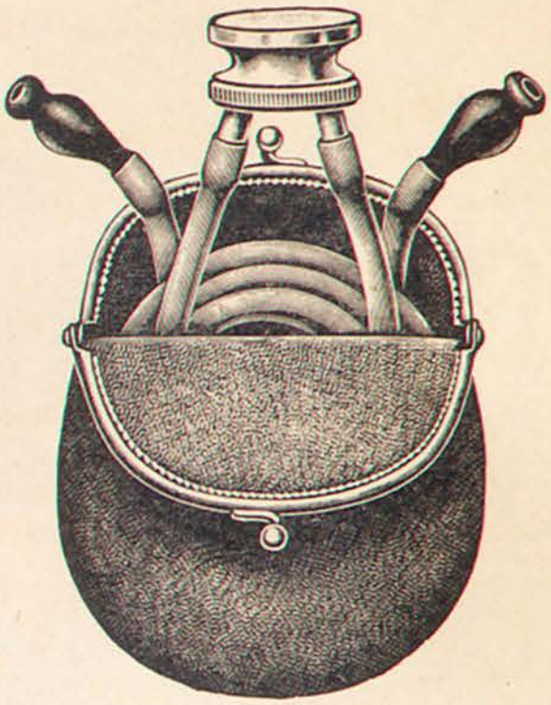

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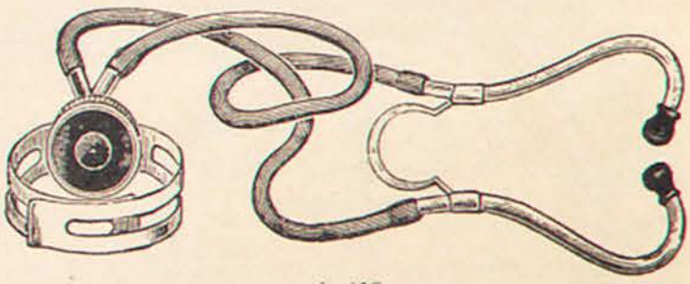

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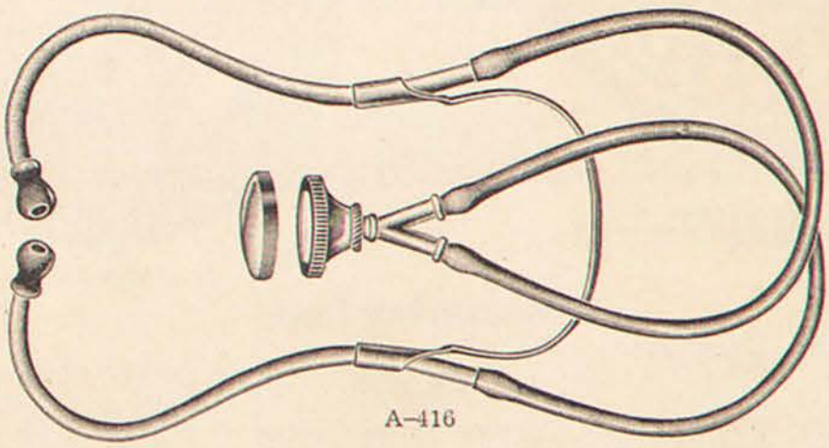


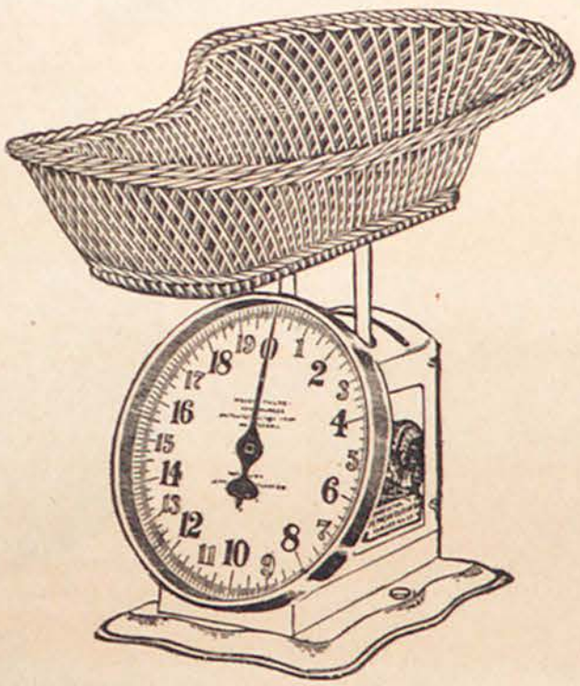
A–416

Stethoscopes—Diaphragm Type

A–405 **Kehler's,** with 1, 1¼ or 2 inch diaphragm, with metal binaurals, in leatherette box.
*A–406 **Kehler's,** diaphragms as above, with soft rubber binaurals, in felt pouch.
A–408 **Micro-membranous** Stethoscope, with soft rubber binaurals, in felt pouch.
A–410 **Pilling's** Bracelet Stethoscope, arm, for blood pressure test.
*A–412 **Pilling's** Bracelet Stethoscope, leg, for blood pressure test.
*A–415 **Pulaski,** with soft rubber binaurals, in khaki pouch.
A–416 **Pulaski,** with metal binaurals, in khaki pouch.



A–420



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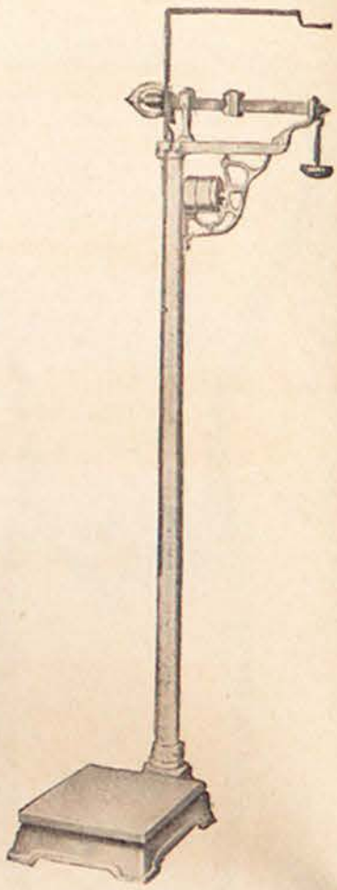

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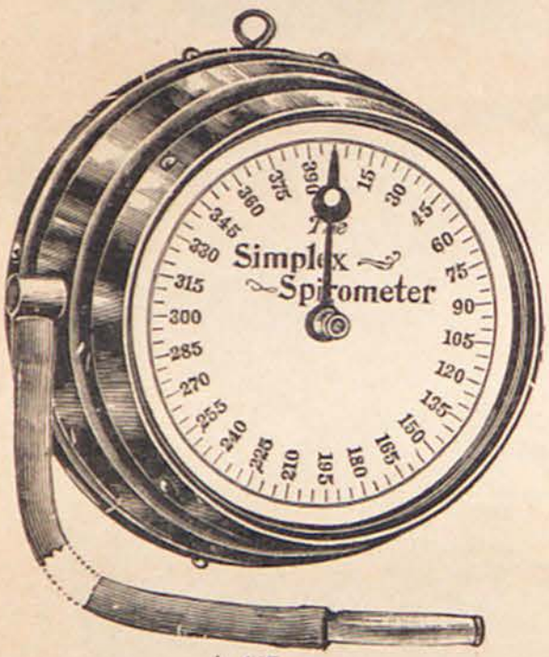

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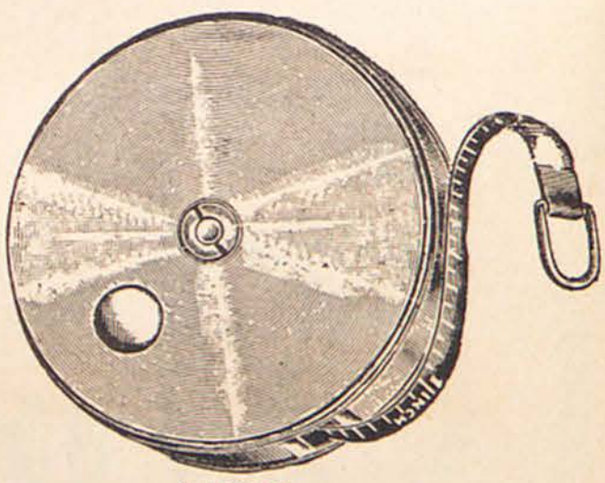


A–450-451

Measuring Rods

A–420 **Douglass.**

Scales

*A–425 Physician's Bath-room Spring Scales.
A–430 Physician's Bath-room Spring Scales, with nursery basket.
A–435 Physician's Beam Scales, with removable weights.
*A–440 Physician's Compound Beam Scales (sliding weights only).

Spirometers

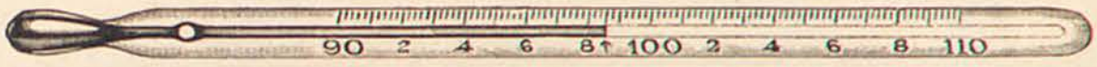
A–445 **Simplex.**

Tape Measures

A–450 Linen, in metal case, 1, 1½ and 2 meters or yards.
A–451 Steel, in metal case, lengths as above.



A–480



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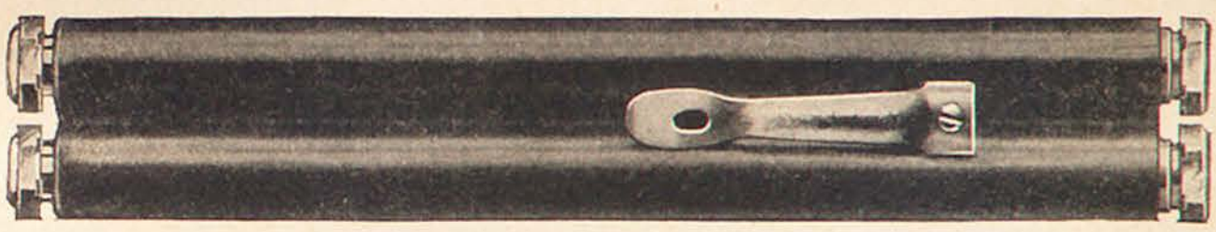
A–490



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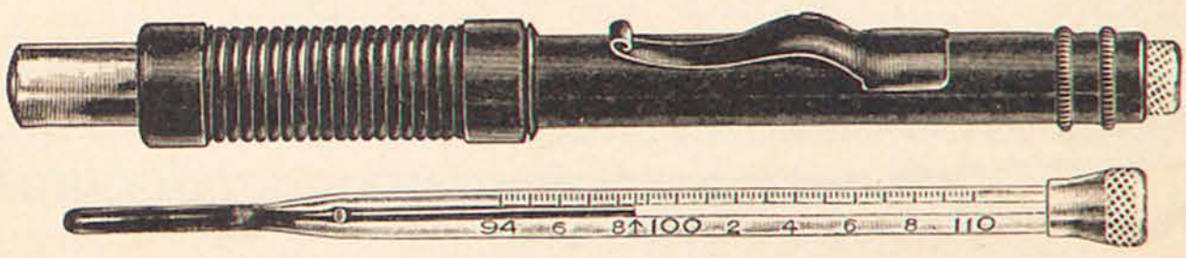


A–497



A–499



A–505

Fever Thermometers

A–480 Good quality clinical, in hard rubber case, ½, 1 and 2 minute.
A–485 Good quality clinical, rectal, in hard rubber case.
A–490 **B. D. Co.** clinical, in B. D. Co. case, 30, 60 and 90 seconds.
A–495 **B. D. Co.** clinical, in Duplex case with one 60 second and one rectal.
A–497 **B. D. Presto** clinical, in special automatic shake-down case, 30, 60, 90 and 120 second.
The B. D. Presto safeguards against breakage in "shaking down."
A–499 **B. D. Co.** Saranac, engraved from 94 to 106 degrees, in B. D. Co. case, 60 and 90 second.
*A–500 **Harvard** clinical, in hard rubber or metal case, with or without chain, 30, 60, 90 and 120 second.
A–505 **Harvard** clinical, in Acme case, 60 second.
*A–506 **Harvard** clinicals, in twin case, one oral and one rectal.

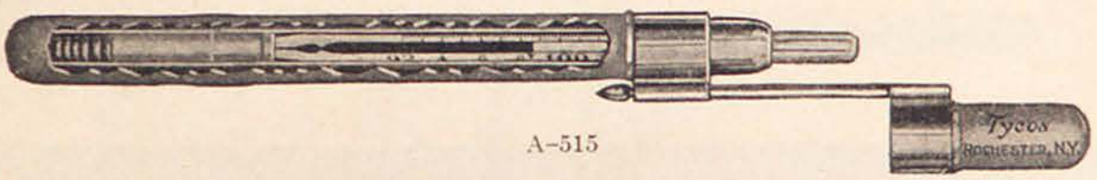


A–507





A–509



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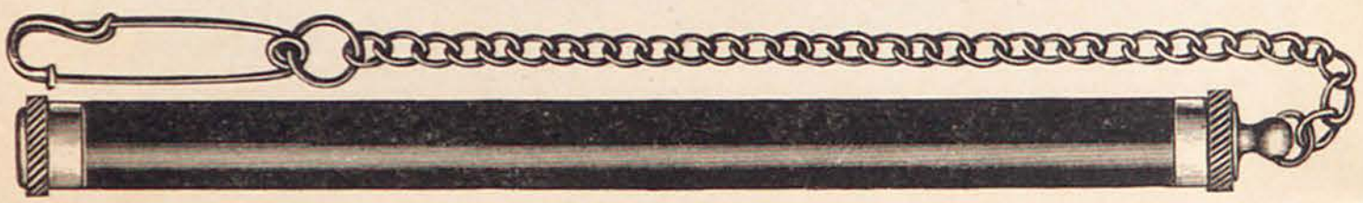

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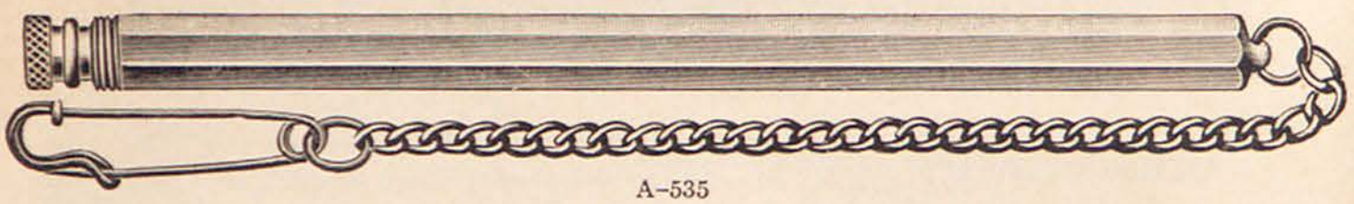

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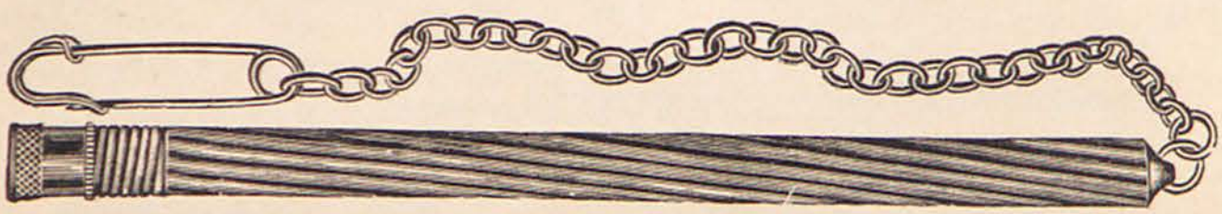


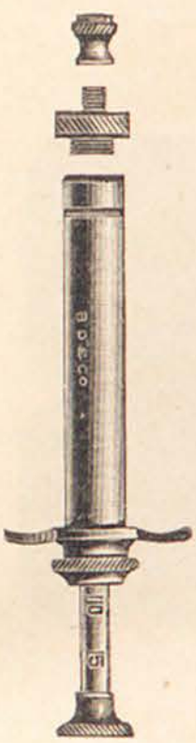
A–540

Fever Thermometers

A–507 **Harvard** clinical, in Ranfac clip case, 60 second.
A–509 **Telafever** clinical, **fever readings in red,** in case, with or without chain, 30, 60 and 120 second.
*A–510 **Telafever** clinicals, in twin case, with chain, one oral and one rectal.
A–515 **Tycos** clinical, in Tycos safety case, ½, 1 and 2 minute.
*A–516 **Tycos** clinicals, in Tycos combination case, one oral and one rectal.
*A–517 **Tycos** clinical, in hard rubber case, ½, 1 and 2 minute.
*A–518 **Taylor** quality clinical, in hard rubber case, ½, 1 and 2 minute.

Fever Thermometer Cases

A–530 Enamel and nickel case, with chain.
A–535 Hexagon nickel case, with chain.
A–540 Twist metal case, with chain.


A-600

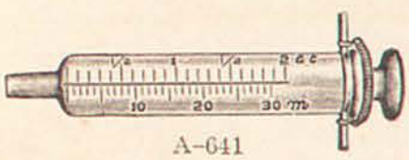

A-602


A-604


A-606


A-615


A-619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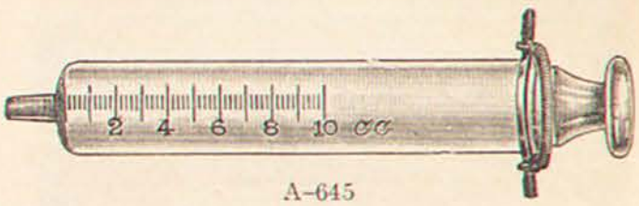
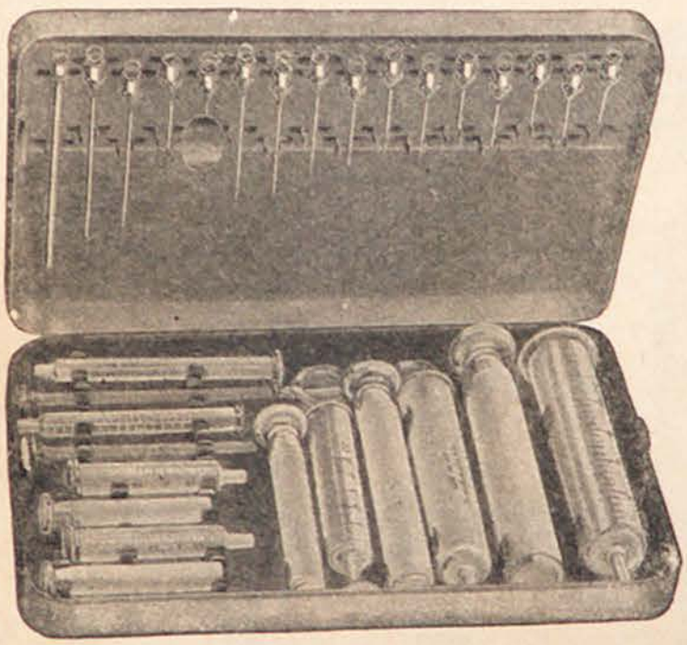

A-645

Antitoxin and Hypodermic Syringes Only

A–600	All metal, aseptic, standard thread, 25 mns.
A–602	Plain, glass and metal, standard thread, 25 mns.
A–604	Plain, glass and metal, double fenestrated, standard thread, 25 mns.
A–606	Glass and asbestos, with finger rests, screw thread, 30 mns.
*A–607	Glass and asbestos, with finger rests, screw thread, 5 cc.
*A–608	Glass and asbestos, with finger rests, screw thread, 10 cc.
A–615	Glass and asbestos, with Luer tip, 30 mns.
*A–616	Glass and asbestos, with Luer tip, 5 cc.
*A–617	Glass and asbestos, with Luer tip, 10 cc.
*A–618	Glass and asbestos, with Luer tip, 20 cc.
A–619	Sub-Q, with mineral packing, screw thread, 25 and 30 mns.
*A–620	Sub-Q, with mineral packing, screw thread, 60 mns.
*A–621	Sub-Q, with mineral packing, screw thread, 12 cc.
*A–622	Sub-Q, with mineral packing, screw thread, 20 cc.
*A–630	Sub-Q, with mineral packing, Luer tip, 25 and 30 mns.
*A–631	Sub-Q, with mineral packing, Luer tip, 60 mns.
*A–632	Sub-Q, with mineral packing, Luer tip, 12 cc.
*A–633	Sub-Q, with mineral packing, Luer tip, 20 cc.
*A–640	All glass, Luer tip, 1½ cc. or 25 mns. graduated in both scales.
A–641	All glass, Luer tip, 2cc or 30 mns. graduated in both scales.
*A–642	All glass, Luer tip, 3 cc. graduated in $\frac{1}{5}$ cc.
*A–643	All glass, Luer tip, 4 cc. graduated in $\frac{1}{5}$ cc.
*A–644	All glass, Luer tip, 5 cc. graduated in $\frac{1}{5}$ cc.
A–645	All glass, Luer tip, 10 cc. graduated in $\frac{1}{5}$ cc.
*A–646	All glass, Luer tip, 20 cc. graduated in 1 cc.
*A–647	All glass, Luer tip, 30 cc. graduated in 1 cc.
*A–648	All glass, Luer tip, 50 cc. graduated in 5 cc.
*A–649	All glass, Luer tip, 100 cc. graduated in 5 cc.



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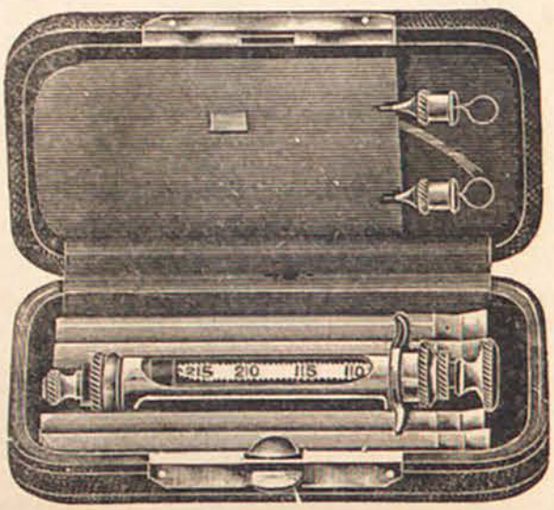

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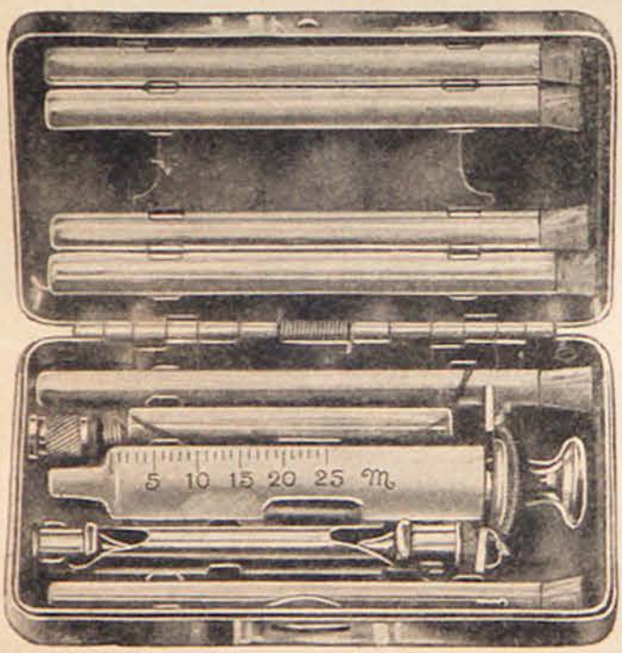

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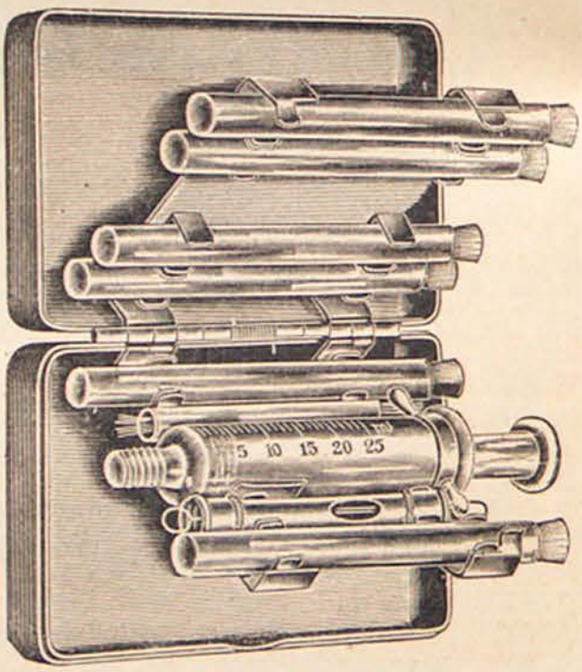


A–668

Antitoxin and Hypodermic Syringes in Cases

A–660 **Luer** Hospital Set, in fine metal case containing 7 syringes: 25 mns., 2 cc., 5 cc., 10 cc., 20 cc., ½ cc. Barthelemy's, for gray oils; 1 cc. tuberculin and 16 assorted needles.

A–622 Hypodermic, glass and metal, 4 vials and 2 needles, in leather case.

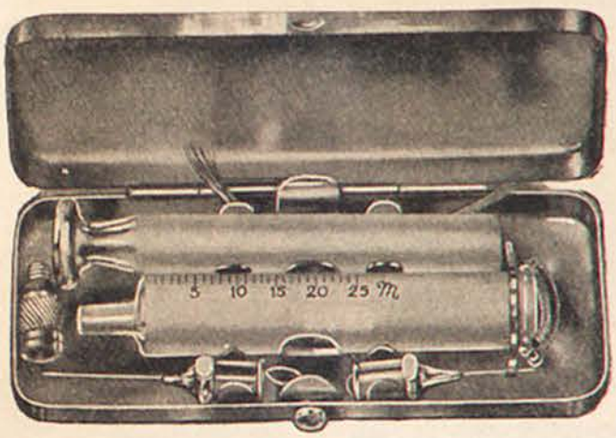
*A–663 Hypodermic, all metal, 4 vials and 2 needles, in leather case.

A–665 Hypodermic, all glass, 6 vials and 2 needles, in metal case.

*A–666 Hypodermic, all metal, 6 vials and 2 needles, in metal case.

*A–667 Hypodermic, glass and metal, 6 vials and 2 needles, in metal case.

A–668 Hypodermic, glass and asbestos, 6 vials and 2 needles, in metal case.



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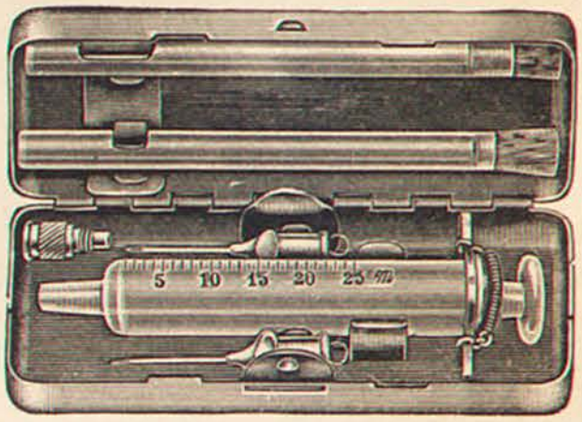

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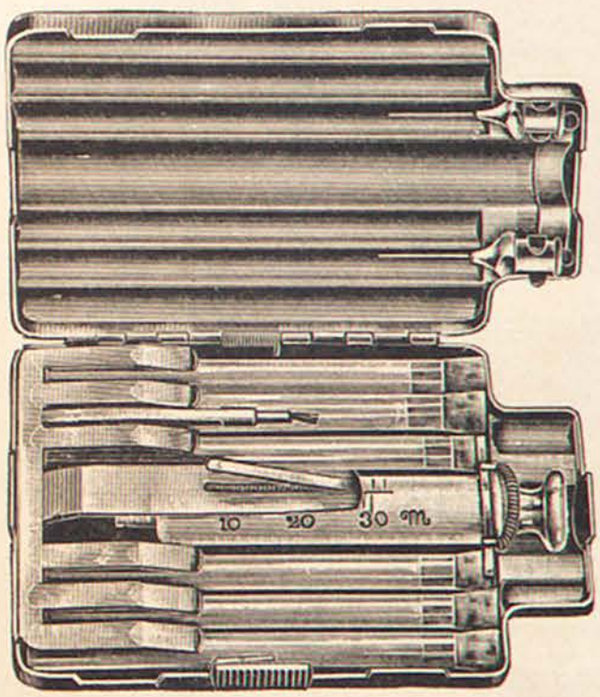

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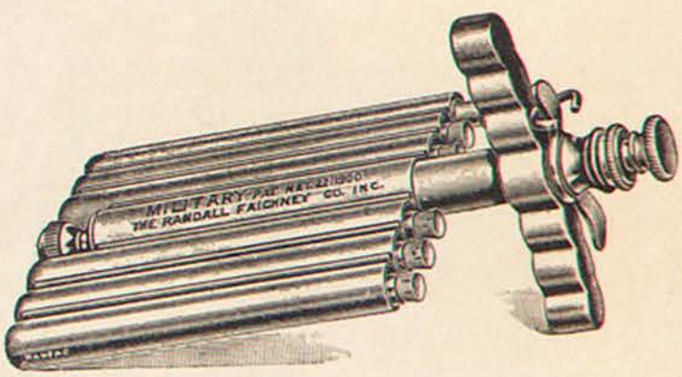
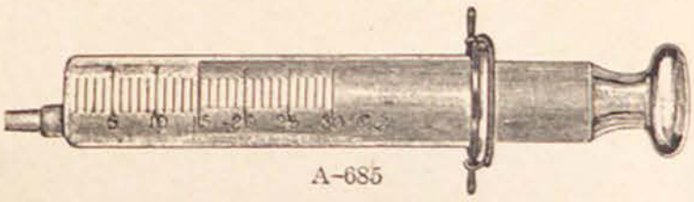


A–678

Antitoxin and Hypodermic Syringes in Cases

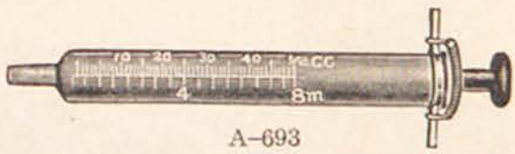
A–670 Hypodermic, all glass, with 2 needles, in metal case.
A–672 Hypodermic, all glass, with 2 vials and 2 needles, in metal case.
A–675 Hypodermic, The **Admiral,** 6 vials and 2 needles, in nickel case.
*A–676 Hypodermic, The **Admiral,** in heavily gold-plated case.
A–678 Hypodermic, The **Military,** 5 vials and 2 needles, in nickel case.
*A–679 Hypodermic, The **Military,** in heavily gold-plated case.



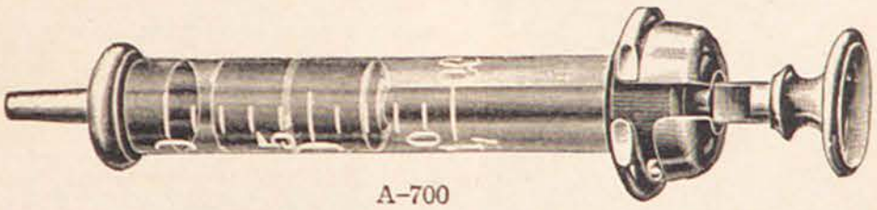
A–685



A–687



A–693



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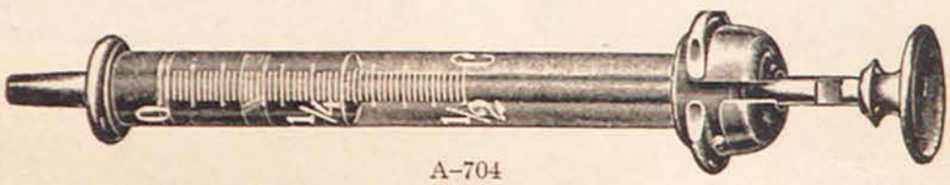

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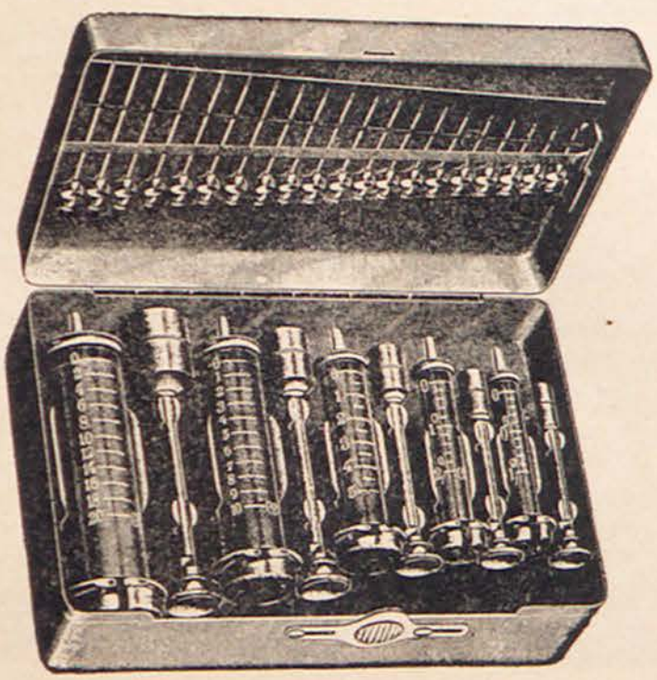


A–706

Antitoxin and Hypodermic Syringes

A–685 All glass, with eccentric Luer tip, 2 cc., 5 cc., 10 cc., 20 cc., 30 cc., 50 cc., 100 cc.

A–687 All glass, **Barthelemy's,** gray oil, ½ cc., graduated in 1/40 cc. and mns.

*A–689 All glass, mercurial oil, graduated in 1/100 cc. and mns. ¾ cc.

*A–691 All glass, precision, graduated in 1/20 cc. and mns. 1½ cc. and 2 cc.

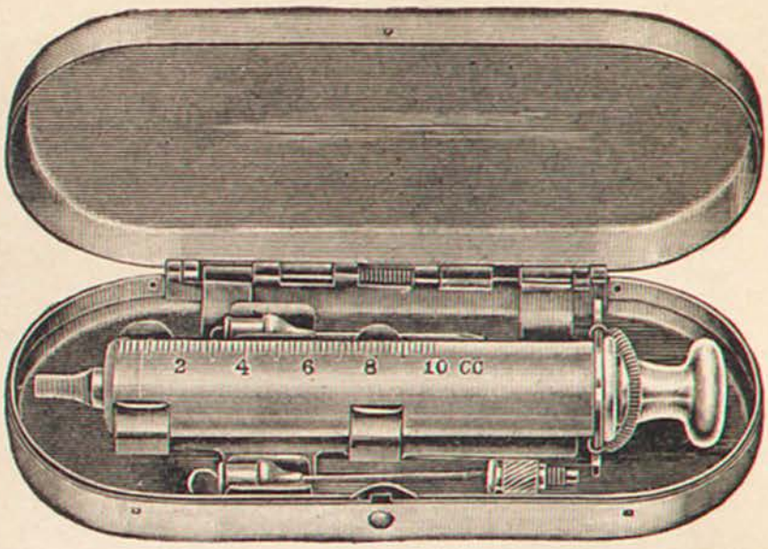
A–693 All glass, tuberculin, graduated in 1/100 cc. and mns. ¼ cc., ½ cc., 1 cc.

A–700 Record Precision Syringes only, 1 cc., 2 cc., 5 cc., 10 cc., 20 cc., 30 cc.

*A–702 Record Precision Syringes, in metal cases, with 2 needles, 1 cc., 2 cc., 5 cc., 10 cc., 20 cc., 30 cc.

A–704 Record Precision Syringe only, tuberculin, ½ cc. and 1 cc., or in metal cases.

A–706 Record Precision Syringe Set, in fine metal case, containing 5 syringes, 1 cc., 2 cc., 5 cc., 10 cc., 20 cc., and 20 assorted needles.



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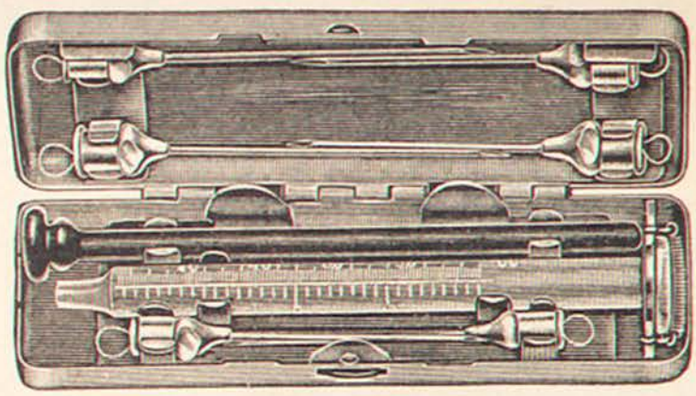

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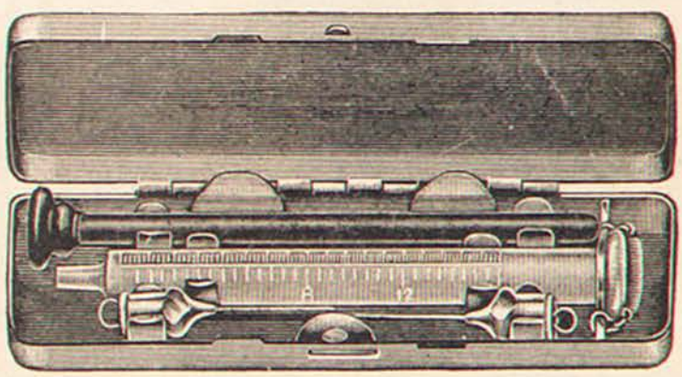

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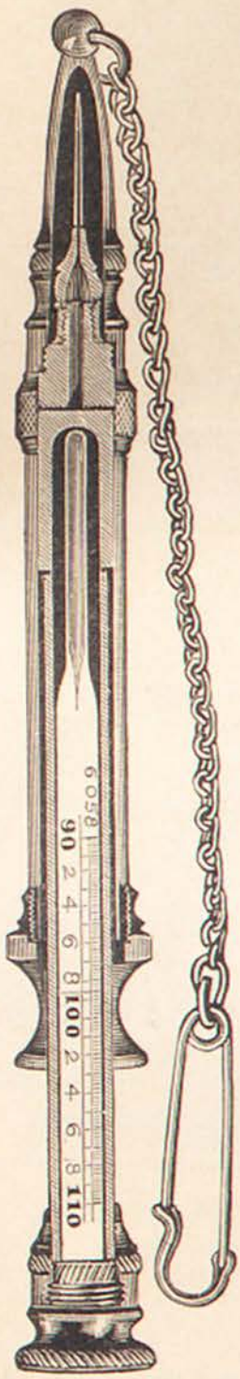


A–710

Antitoxin and Hypodermic Syringes in Cases

A–710 Hypodermic Syringe, with gold needle and 1 minute thermometer.

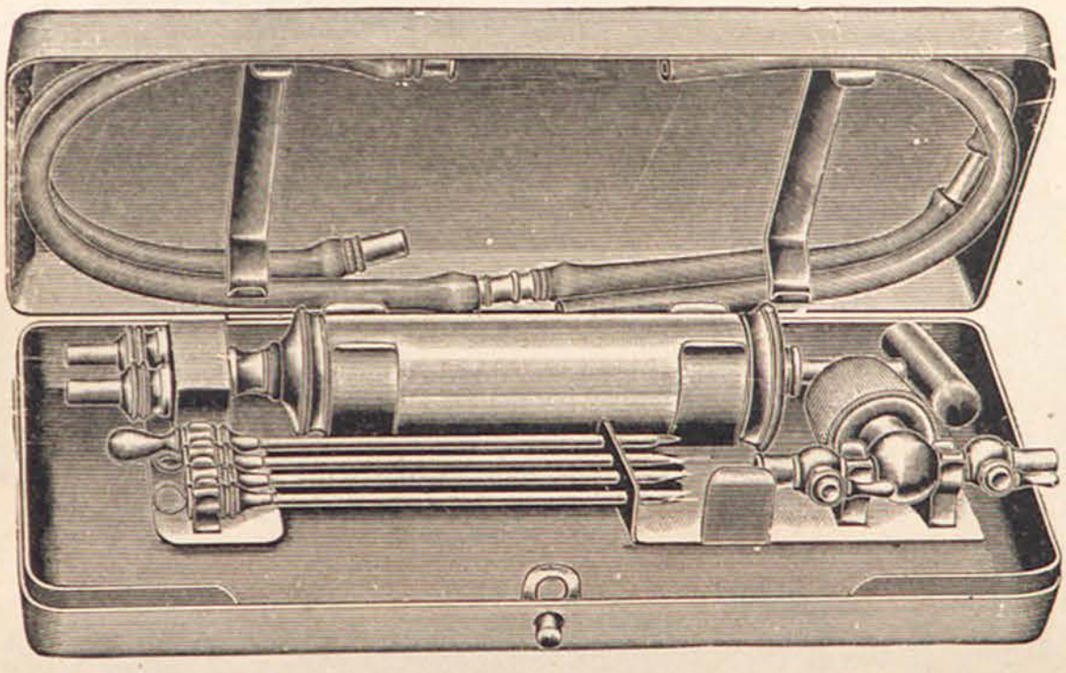
A–715 Antitoxin, all glass, with two needles, in metal case, 5 cc., 10 cc., 20 cc., 30 cc.

*A–720 Gray oil, **Barthelemy's,** all glass, graduated in mns. and 1/40 cc., with 2 needles, in metal case, ½ cc. capacity.

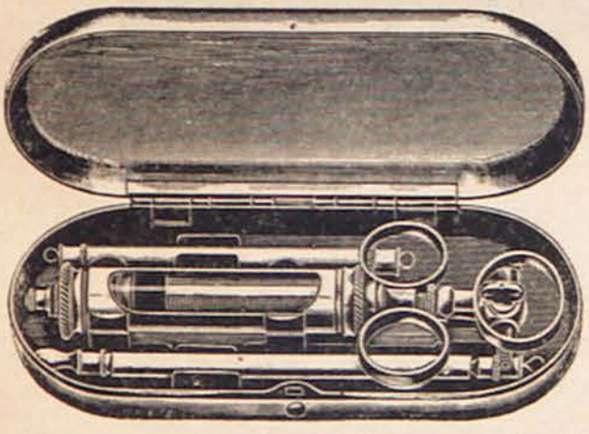
A–725 Mercurial oils, all glass, graduated in mns. and 1/100 cc., with 6 needles, in metal case, ¾ cc. capacity.

*A–730 Precision Syringes, all glass, graduated in mns. and 1/20 cc., with 2 needles, in metal case, 1½ cc. and 2 cc. capacity.

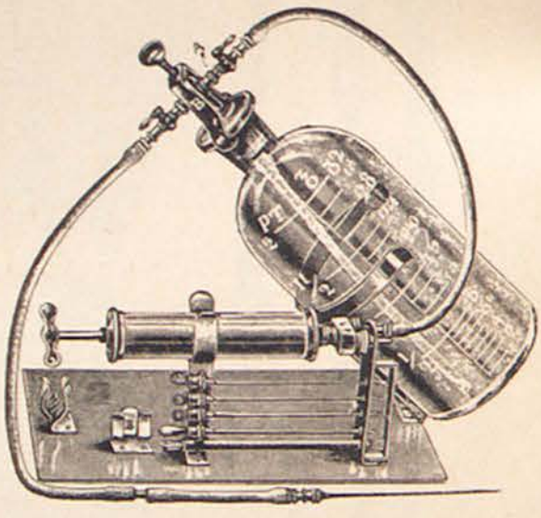
A–735 Tuberculin, **Fornier's,** all glass, graduated in mns. and 1/100 cc., with 2 needles, in metal case, ¼ cc., ½ cc., 1 cc. capacity.



A–756-757



A–753-754



A–765-766

Aspirating Syringes

*A–750 Pocket Aspirator, 3 drachm, glass and metal, 3 needles, trocar and two-way stopcock, in leather case.

*A–751 Pocket Aspirator, same as above, but with all metal syringe.

A–753 Pocket Aspirator, 3 drachm, glass and metal, 3 needles, trocar and two-way stopcock, in metal case.

A–754 Pocket Aspirator, same as above, but with all metal syringe.

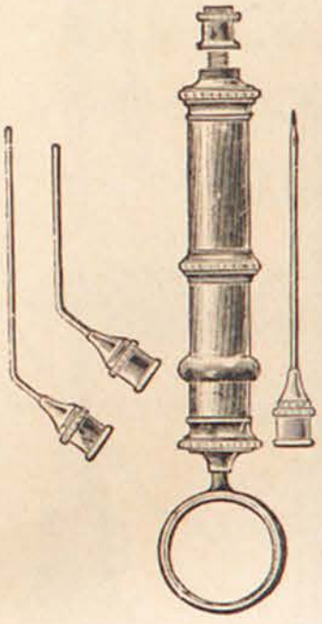
A–756 **Potain's** Aspirator, with leather plunger, in metal case.

A–757 **Potain's** Aspirator, with metal plunger, in metal case.

*A–759 **Potain's** Aspirator, with metal plunger, set of 3 extra trocars, canulae, obdurators with stuffing boxes and stopcocks.

A–765 **Potain's** Aspirator, Haslam's as shown, pump with leather plunger, complete in case.

A–766 **Potain's** Aspirator as above, pump with metal plunger.



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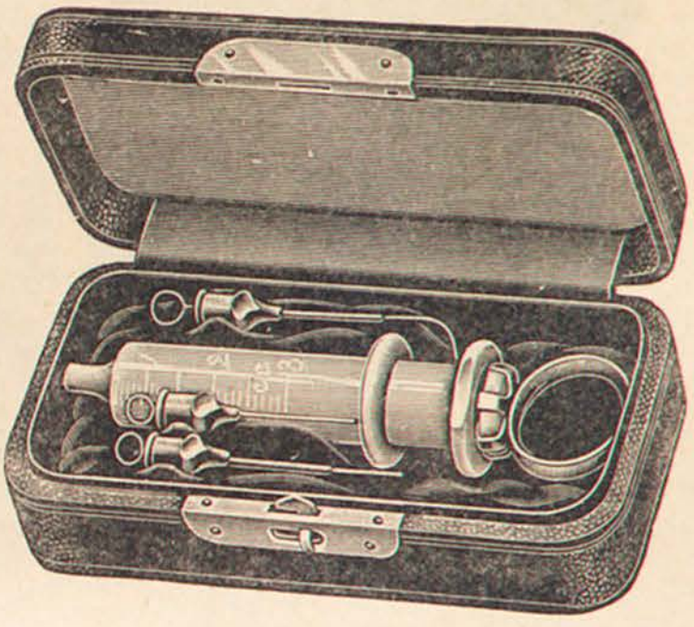

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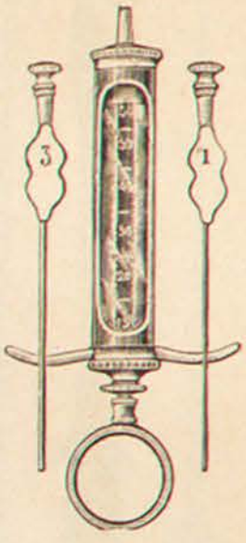

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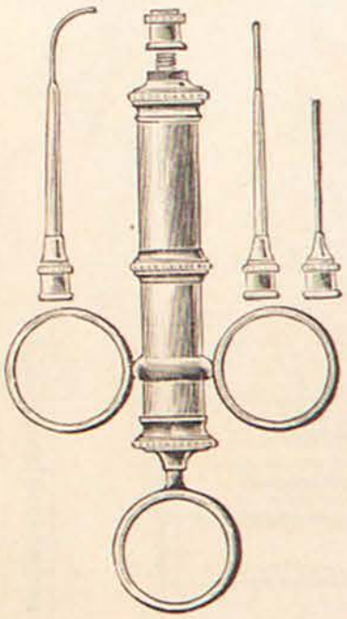

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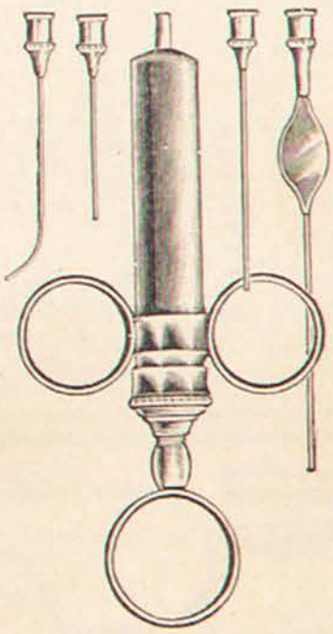

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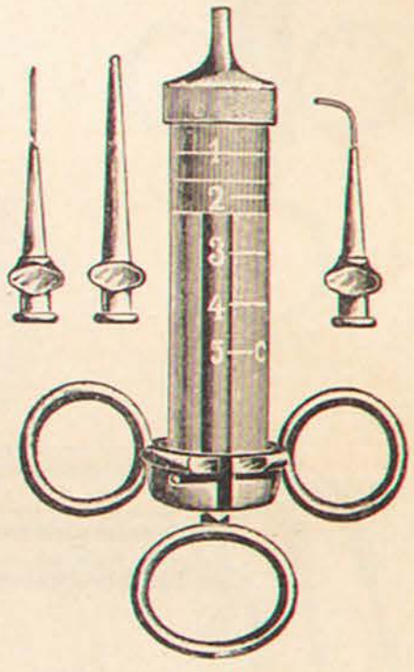


A–790

Lachrymal Syringes

A–780 **Agnew's,** all metal, with 1 hypo and 2 silver canulae, in case.

*A–781 **Colton's,** with lachrymal canula only.

A–782 **Anel's,** all metal, with 3 silver canulae, in case.

A–784 **De Schweinitz,** glass and metal, with 2 silver canulae, in case.

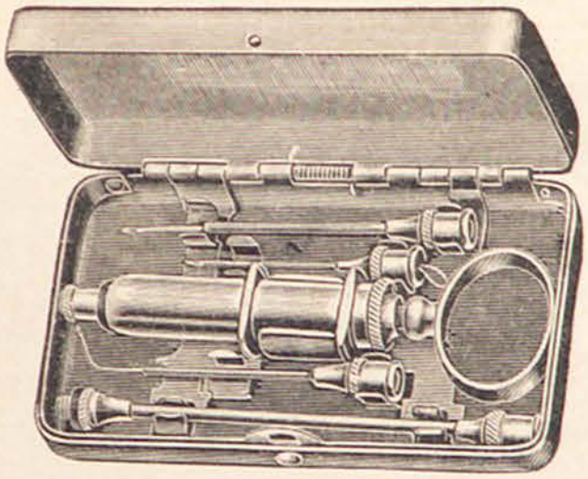
A–786 **Luer's,** all glass, with 3 gold canulae, in case.

A–788 **Risley's,** all metal, with 4 silver canulae, in case.

A–790 **Record,** glass and metal, with 3 canulae, in case.

*A–792 **Will's,** eye hospital, all metal, with 3 silver canulae, in case.

*A–794 **Ziegler's,** all glass, with 3 gold canulae, in case.



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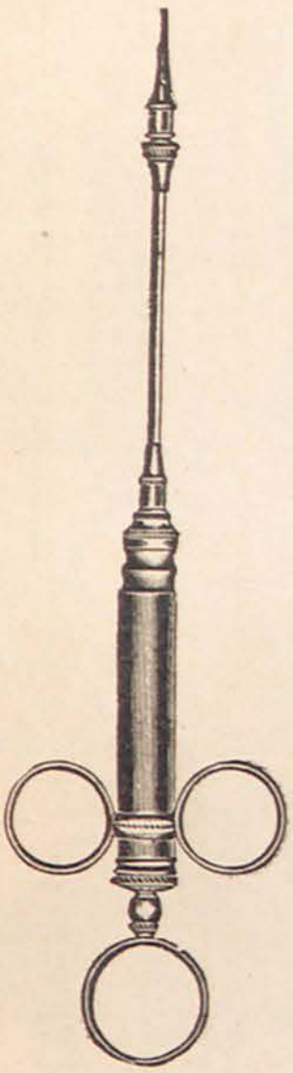

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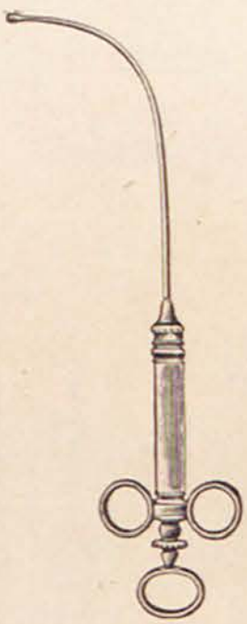

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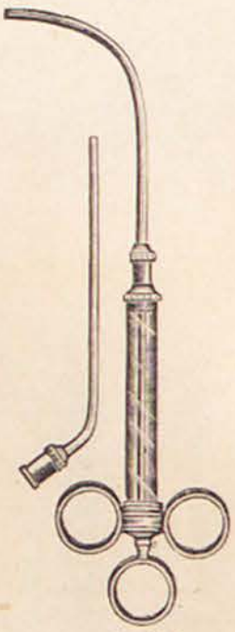


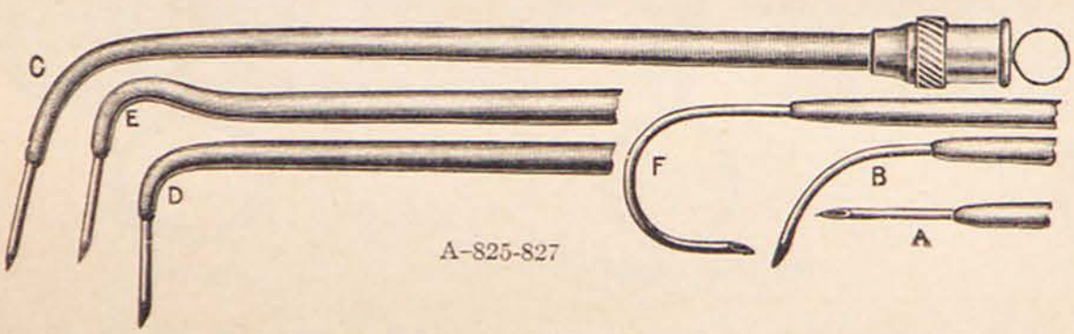
A–806



A–812



A–808



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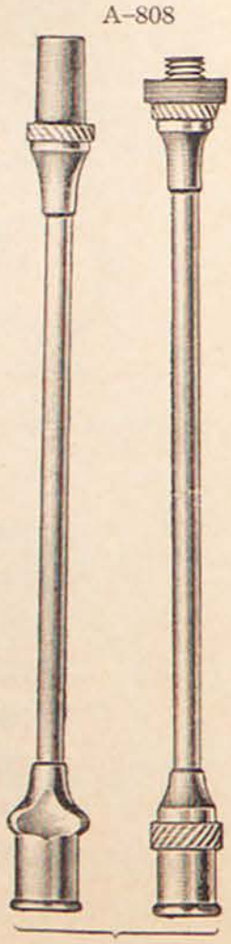
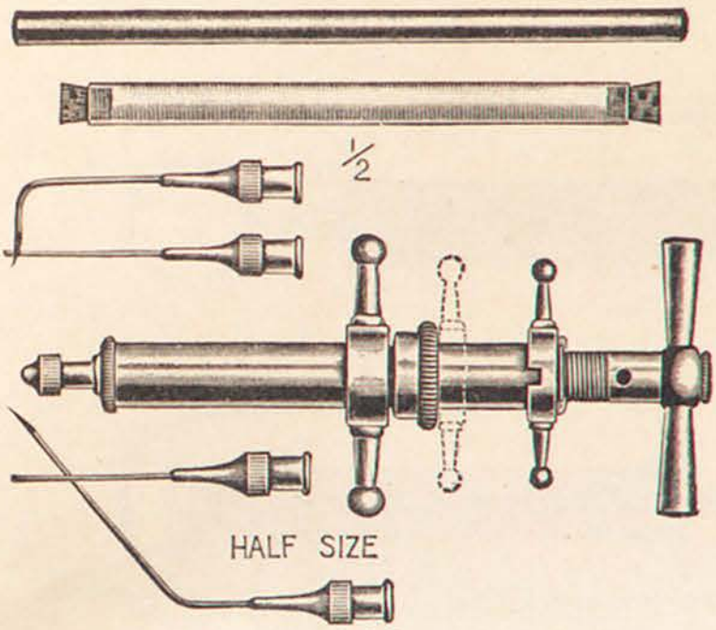


A–830

Laryngeal and Tonsil Syringes

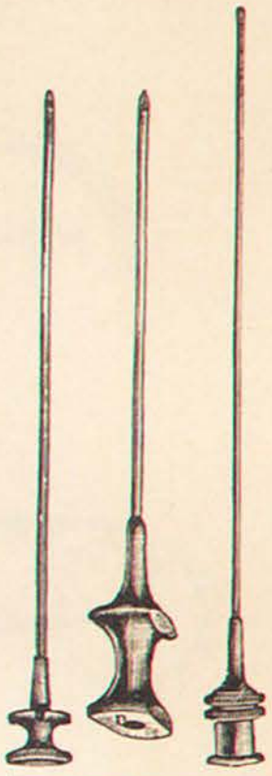
A–800 All metal, with straight and curved needle, and extension, in metal case.
A–804 **Cube's,** all metal with one laryngeal canula.
A–806 **Fraenkel's,** glass and metal with 2 laryngeal canulae.
A–808 **Luer's,** all glass, with 2 needles and extension, in case.
*A–809 **Luer's,** all glass, syringe only.
A–812 **Pynchon-Goddard's,** all metal, with straight and curved needle, in case.
*A–814 Record, with one laryngeal canula.
*A–816 Record-Alexander, with 7 assorted tonsil points, in case.
A–818 **Street's,** all metal, with straight and curved needle, and extension 30 mns. and 2 drachms.
*A–820 **Tobold's,** glass and metal, with one laryngeal canula.
A–825 Tonsil needle, Horton's, with standard thread, Fig. F
A–827 Tonsil needles, Vail's, Fig. A. B. C. D. E.
A–830 Tonsil syringe extension, for standard thread or Luer tip.



A–840



A–859



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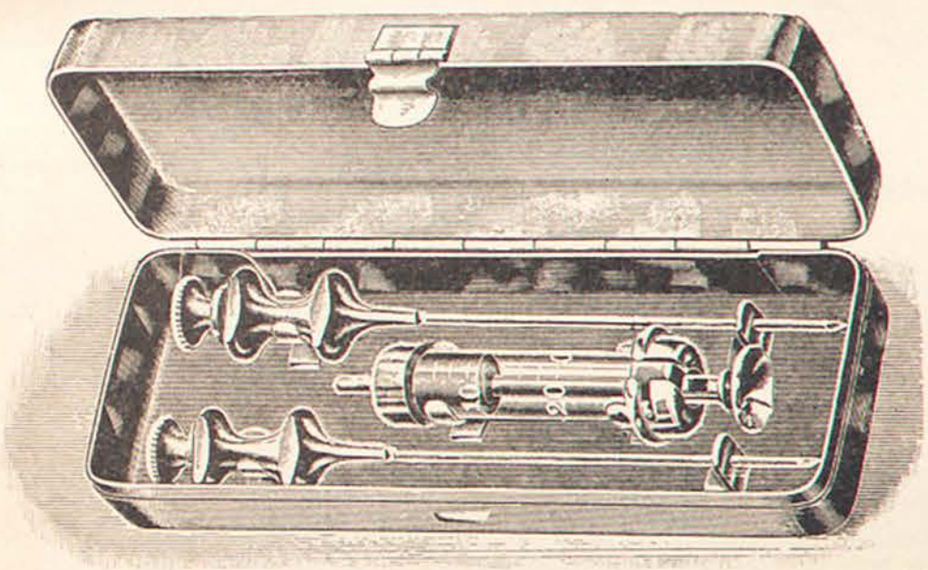


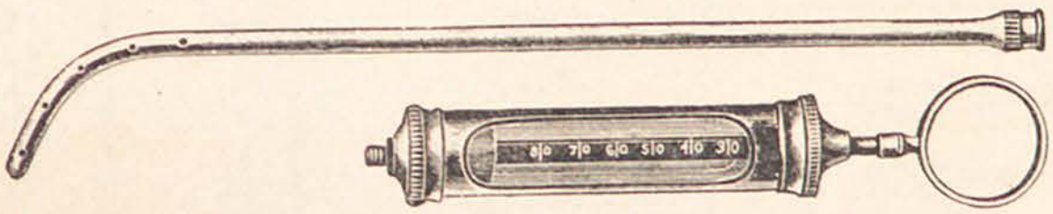
A–850

Paraffin Syringes

A–840 **Beck's,** original, with 4 needles and 4 tubes of paraffin, in oak case.
*A–842 **Harmon Smith's,** with 2 needles, in case.
*A–843 **Harmon Smith's** sterile paraffin, melting point 110-F., in glass tube.
*A–845 **Onidi's,** with 4 needles and 6 tubes of paraffin, in oak case.

Spinal Anaesthesia Syringes, Trocar Needles and Canulae

A–850 **Bier's**-Record, 2 cc. with 2 long steel needles, in metal case.
A–855 **Barker's** trocar needle and nickel canula to fit Luer or Record syringes.
*A–857 **Bier's** trocar needle.
A–859 **Quincke's** trocar needle, to fit Luer syringe.
A–860 **Wolfsohn's** lumbar puncture needle, with stop cock, with or without manometer.



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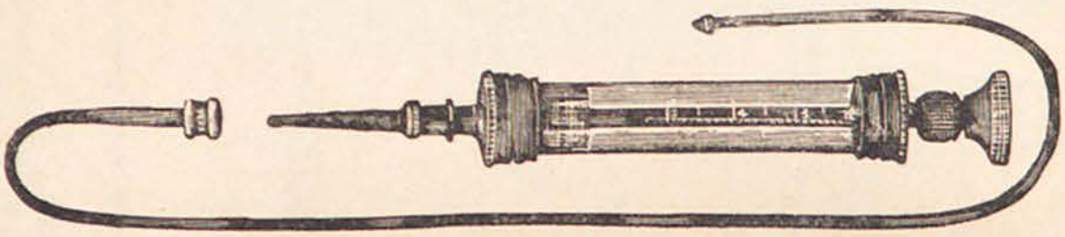

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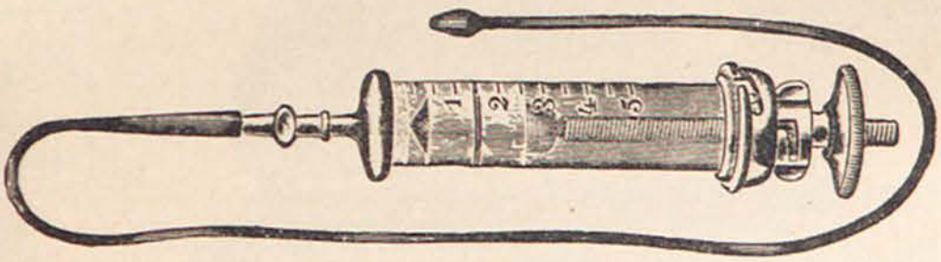

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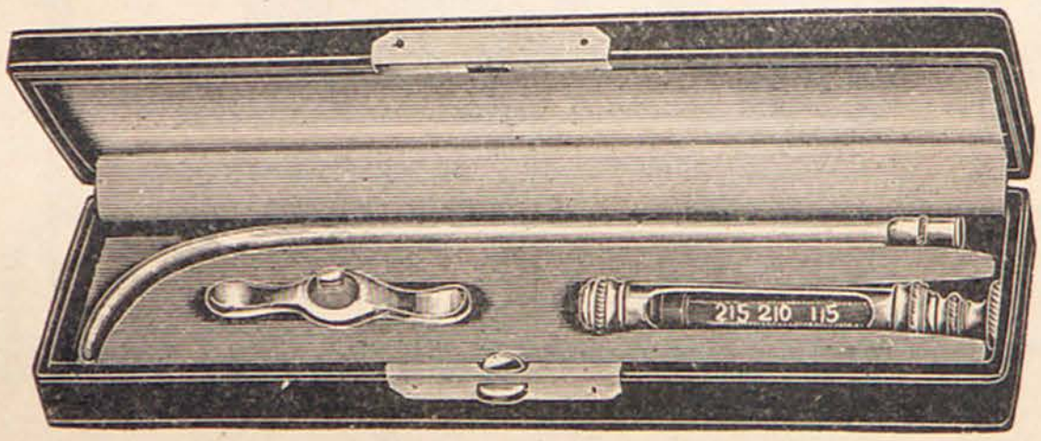


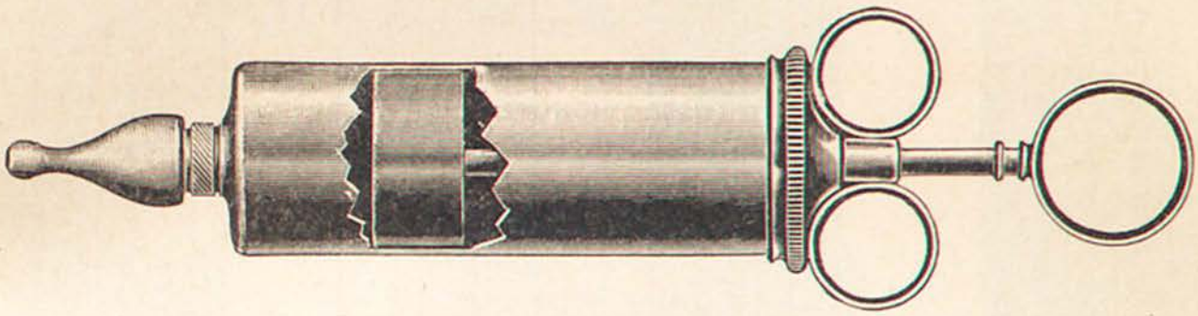
A–898-900

Urethral Syringes

A–880 **Bumstead's,** glass and metal, with canula.
A–885 **Guyon's,** with 1 drop tube, in case.
A–890 **Guyon-Record,** with 1 drop tube, in metal case.
*A–895 **Keyes-Ultzmann's,** all glass, plated tube, with or without case.
*A–896 **Keyes-Ultzmann's,** all glass, silver tube, with or without case.
A–898 **Keyes-Ultzmann's,** glass and metal, or all metal, plated tube, with or without case.
A–900 **Keyes-Ultzmann's,** glass and metal, or all metal, silver tube, with or without case.



A–920



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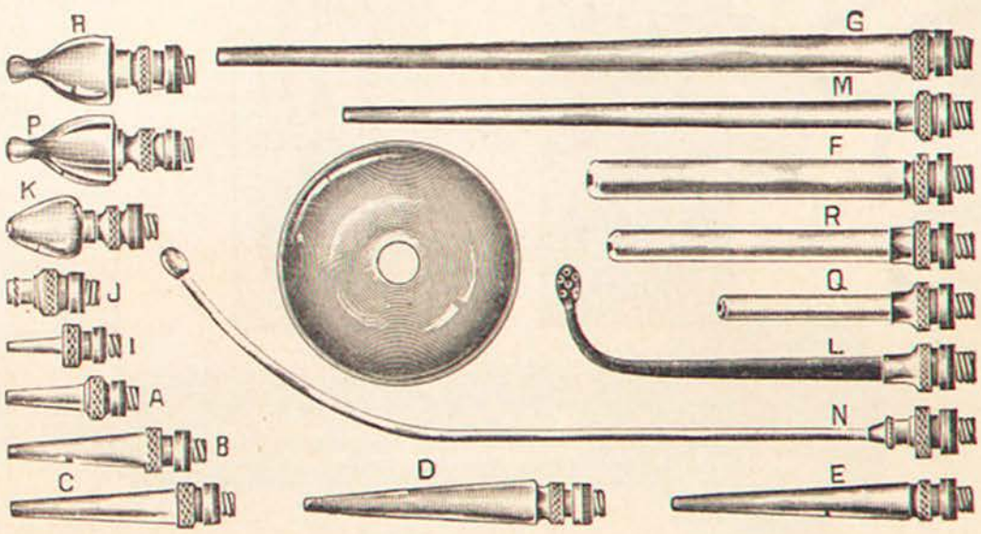


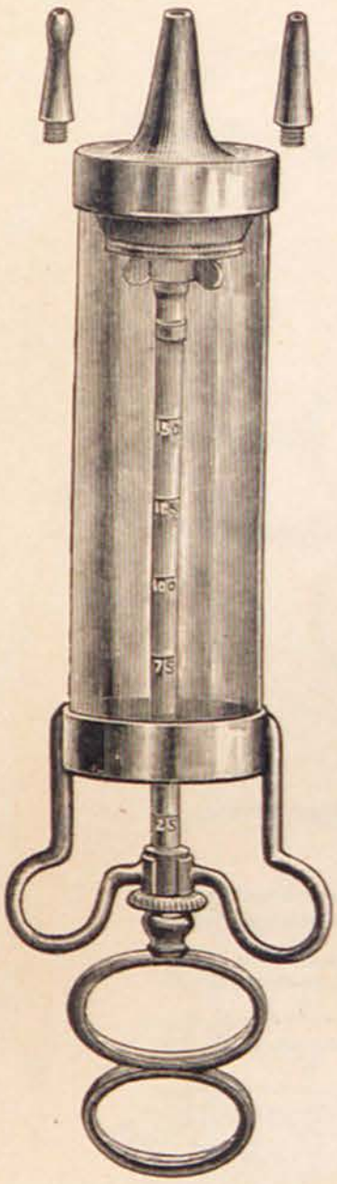
A–935

Uterine Syringes

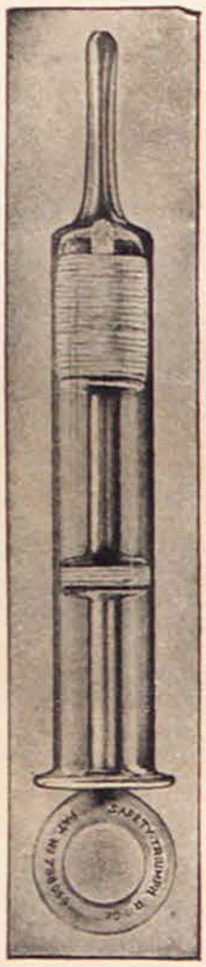
A–920 **Braun's,** glass and metal, with intra uterine canula.
*A–921 **Braun's-Record,** 2 cc. and 5 cc. with intra uterine canula.

Syringes and Tips for Injecting all Cavities

A–930 All metal syringes only, ¼, ½, 1, 2, 3, 4, 6 and 8 ounce.
A–935 All metal tips, to fit the above syringes, A to W.
A–935 All metal shield, to fit the above syringes.



A–950



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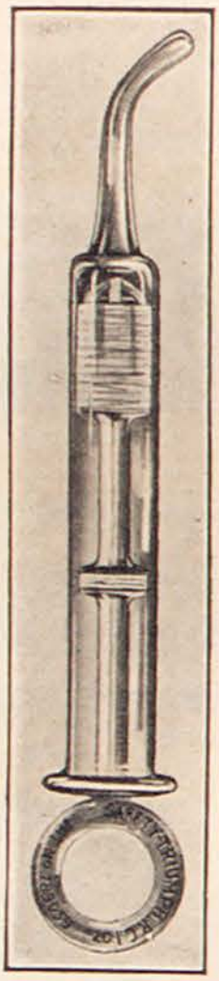
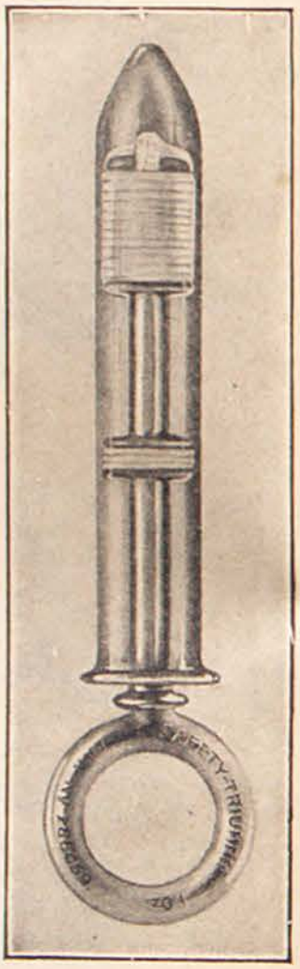


A–961



A–963

Syringes for Bladder, Bismuth Paste and General Injections

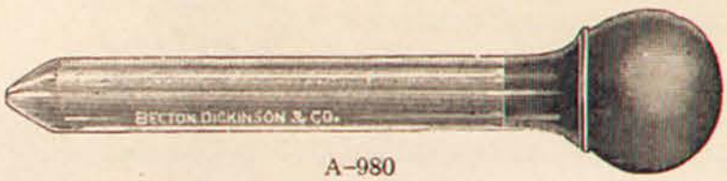
A–950 **Janet-Frank's** Bladder, with 2 tips, 30 cc., 50 cc., 100 cc., 150 cc., 200 cc.

A–960 **Safety-Triumph,** Cavity, glass syringes with mineral packing, straight point, ½, 1, 1½, 2, 3 and 4 ounce.

A–961 **Safety-Triumph,** Cavity, glass syringes with mineral packing, curved point, 1 and 2 ounce.

A–963 **Safety-Triumph,** Superficial, glass syringes with mineral packing, straight point, 1, 2, 3 and 4 ounce.

*A–964 **Safety-Triumph,** Superficial, glass syringes with mineral packing, curved point, 1 and 2 ounce.



A–980



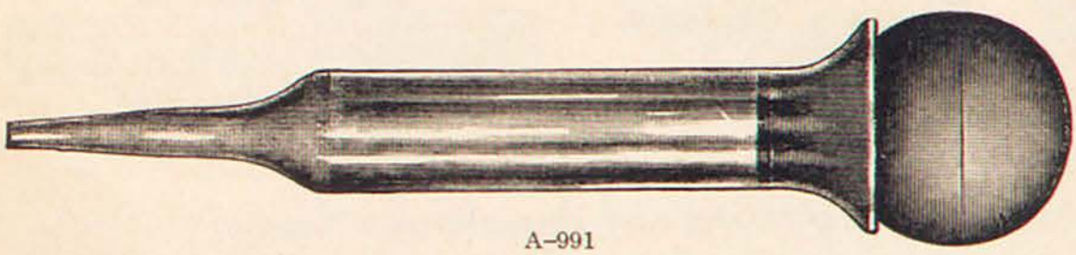
A–982



A–986-988



A–990



A–991



A–984

Syringes, Plungerless, for General Injections

A–980 **Asepto,** Cone tip, ⅛, ¼, ½ and 1 ounce.

A–982 **Asepto,** Luer tip, graduated, 3 cc. capacity.

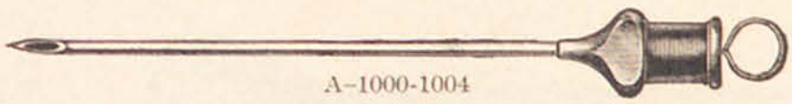
A–984 **Asepto,** Patient's, in wooden box, ⅛ and ¼ ounce.

A–986 **Asepto,** Soft rubber tip, ⅛, ¼ and ½ ounce.

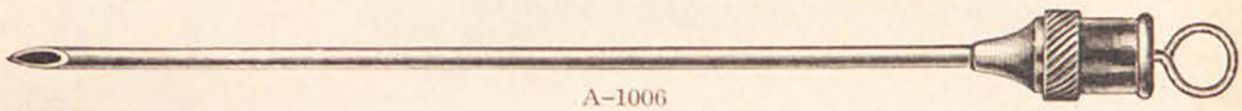
A–988 **Asepto,** Soft rubber tip, for ear work, 1 and 1½ ounce.

A–990 **Asepto,** Wound and general office work, ½ ounce.

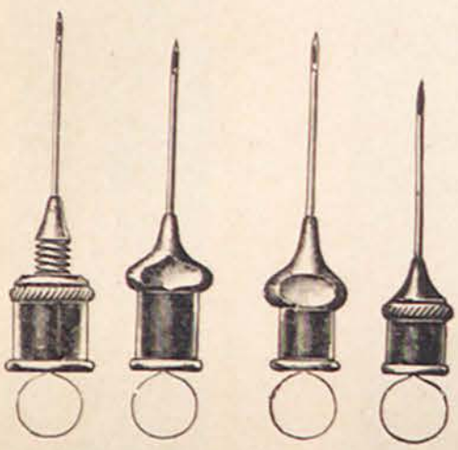
A–991 **Asepto,** Wound and general hospital work, 1 and 1½ ounce.



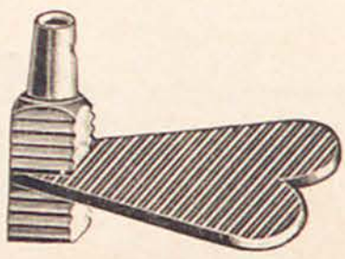
A–1000-1004



A–1006



A–1010 A–1012 A–1014 A–1016



A–1040



A–1044



A–1045



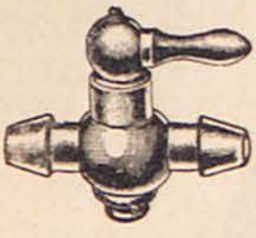
A–1047



A–1049



A–1052



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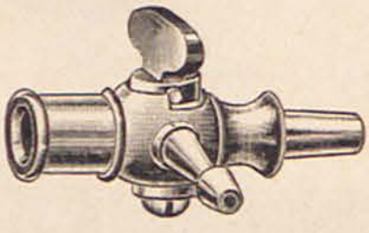


A–1055



A–1060

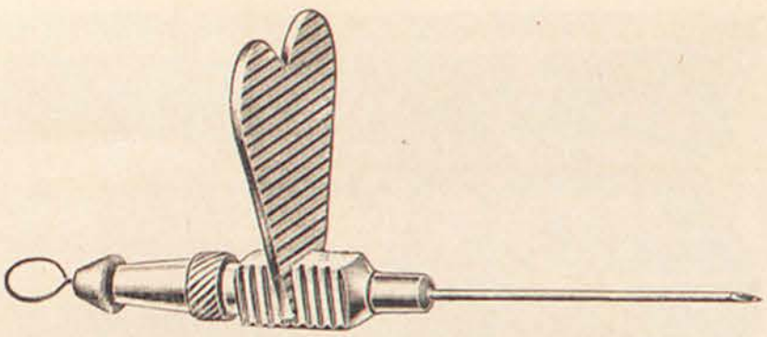
Antitoxin, Aspirating and Hypodermic Needle

		GAUGE
A–1000	Antitoxin, with Luer or with standard thread hub	19 to 22
A–1004	Aspirating, with Luer or with standard thread hub	15 to 18
A–1006	Aspirating, **Potain's**	13 to 17
A–1010	Hypodermic, for glass threaded or Sub-Q tip	23 to 27
A–1012	Hypodermic, with Luer hub	23 to 28
A–1014	Hypodermic, with Record hub	23 to 27
A–1016	Hypodermic, with standard thread hub	23 to 28

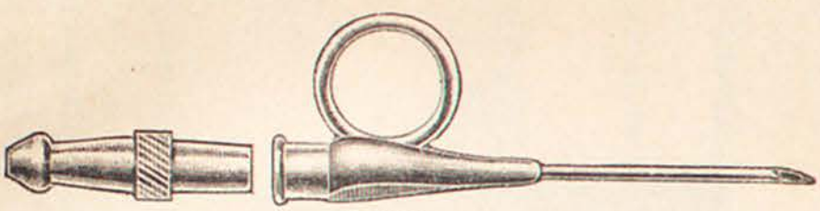
For Lengths see Price List

Adapters, Connections, Holders and Stopcocks

A–1040 Adapter, **Fordyce's.**
A–1044 Adapter, Luer hub, with standard thread.
A–1045 Adapter, standard thread hub, with Luer tip.
A–1047 Connection, male and female.
A–1049 Connection, glass, Luer observation tube.
A–1052 Holder, **Swift's,** for large gauge needles.
A–1054 Stopcock, two way, with tubing connections.
A–1055 Stopcock, three way, to fit Luer needles and syringes.
*A–1056 Stopcock, three way, with tubing connections.
A–1060 Tubing cut-off, **Davol's.**



A–1075



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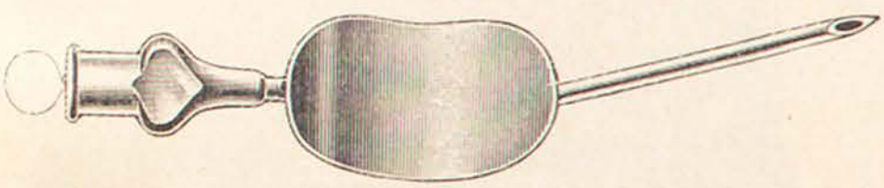

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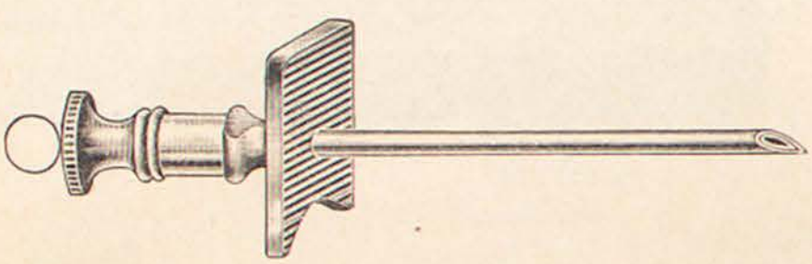

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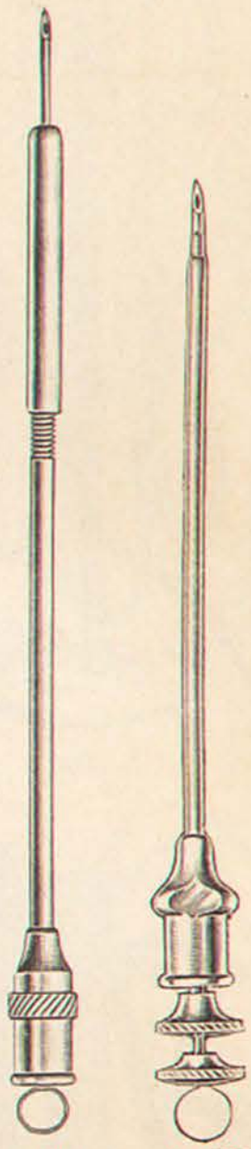


A–1082 A–1087

Haemorrhoidal, Hernia, Transfusion and Salvarsan Needles

A–1075 **Fordyce's** salvarsan, with tubing connection, 1¼ inches, No. 20 gauge.

A–1080 **Graeser's** salvarsan, with tubing connection, 1 inch, No. 22 gauge.

A–1082 Haemorrhoidal or Hernia, with adjustable sleeve.

*A–1084 **Kaliski's** transfusion, trocar point, 2 inches, 18 gauge; 2¼ inches, 15 gauge; 2½ inches, 13 gauge.

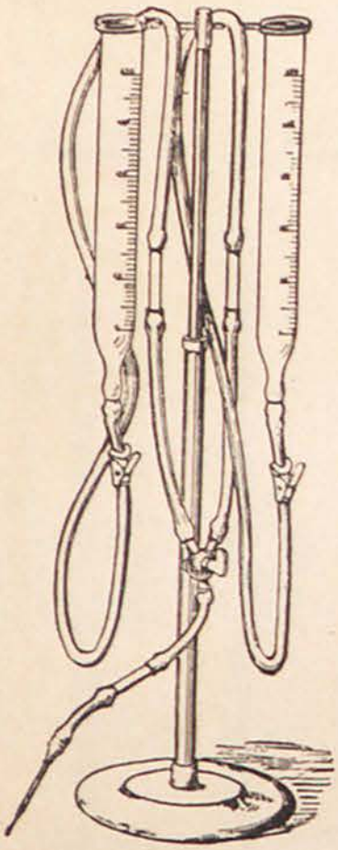
A–1085 **Kaliski's** transfusion, with canula stylet, 1⅞ inches, 15 and 18 gauge.

A–1087 **Lindeman's** transfusion needle and trocar.

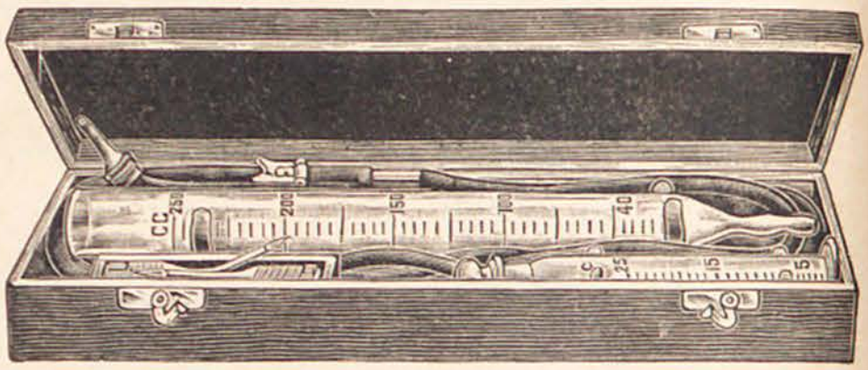
A–1089 **Schreiber's** salvarsan, 1¼ inches, 18 and 20 gauge.

*A–1090 **Schreiber's** improved salvarsan, with vertical finger hold.

*A–1095 Tubing connection only for salvarsan needles.



A–1125



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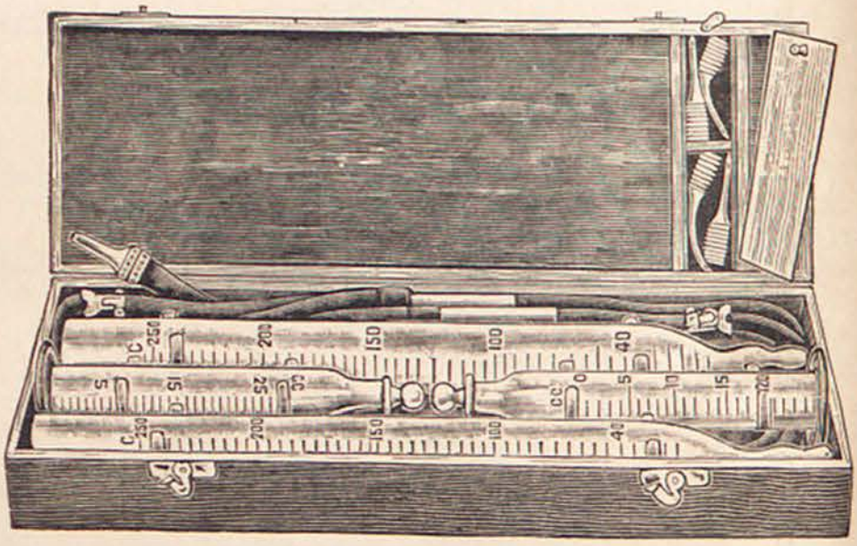

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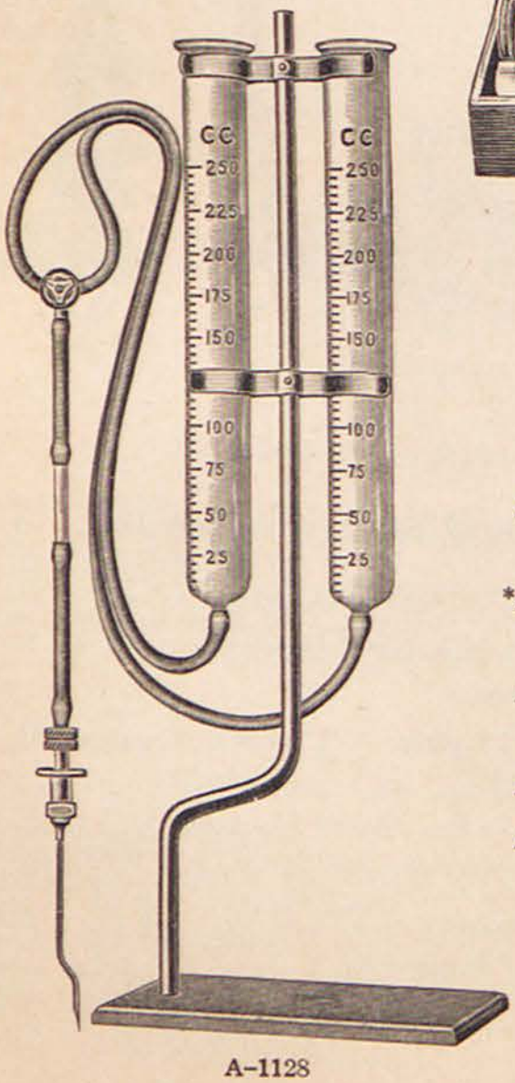


A–1128

Salvarsan Outfits

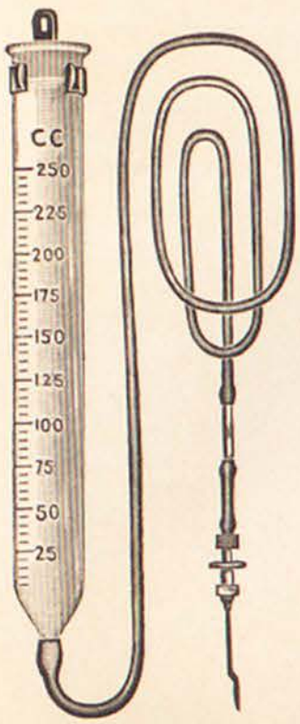
A–1125 **Boehm's,** with telescoping stand, complete as shown.

*A–1126 **Boehm's,** original, with Boehm's stopcock, complete, with 2 needles.

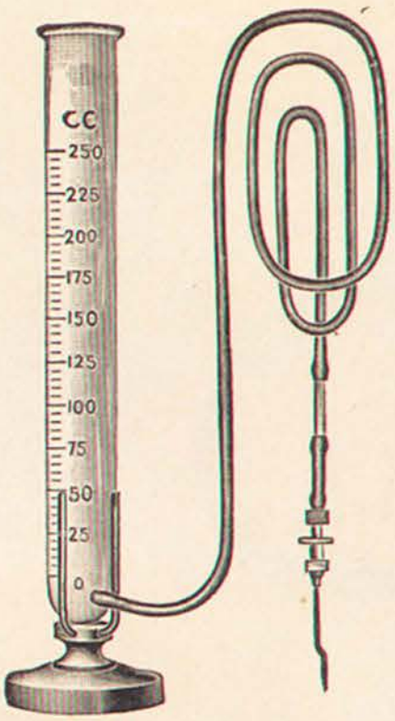
A–1128 **Cayo's,** with 3-way stop cock, complete as shown.

A–1132 **Daland's,** single, in oak case.

A–1133 **Daland's,** double, in oak case.



A–1150



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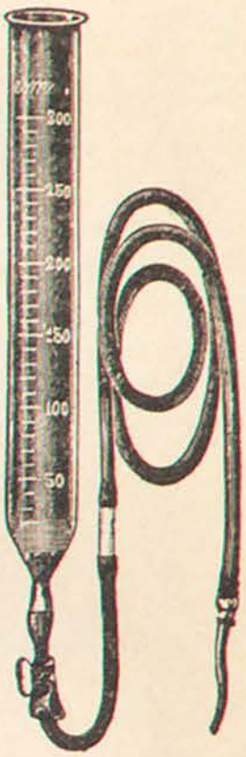

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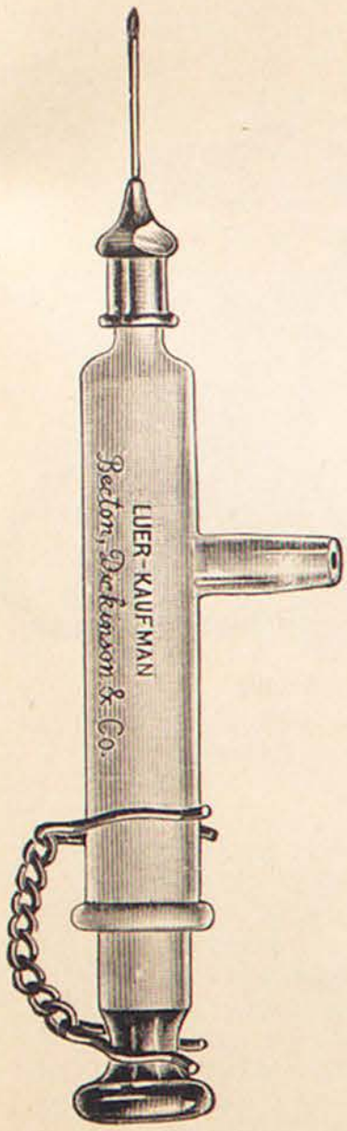


A–1141

Salvarsan and Arsphenamine Outfits

*A–1130 Graduated Cylinder only, 250 cc.

*A–1135 Graduated Measuring and Mixing Jars, 5, 10, 25, 50, 100, 150, 250, 500, 1000 and 2000 cc.

*A–1140 **Kaufman's** Arsphenamine Outfit, complete with hanging cylinder, tubing, Kaufman-Luer syringe and 2 needles, 5/8 inch, 20 gauge.

A–1141 **Kaufman-Luer** Syringe only.

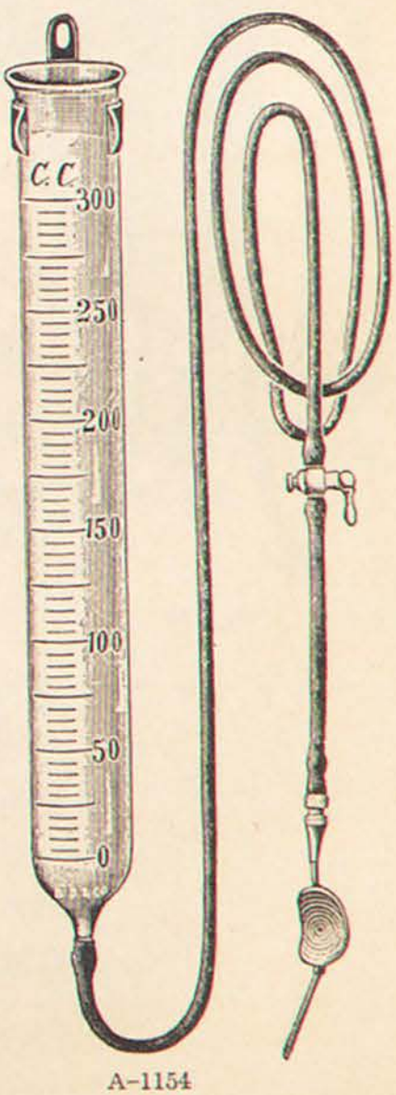
*A–1145 **McGurn's** Apparatus, double, with filter (send for descriptive circular).

A–1150 Plain Apparatus, with hanging cylinder, complete as shown.

A–1152 Plain Apparatus, with cylinder on stand, complete as shown.

A–1154 Plain Apparatus, with Schreiber's needle, complete as shown.

A–1156 Plain Apparatus, with intravenous canula, complete as shown.



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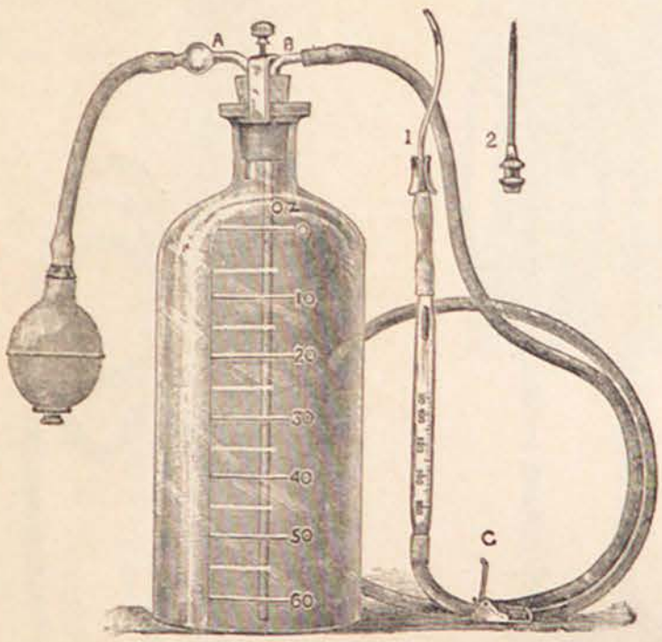

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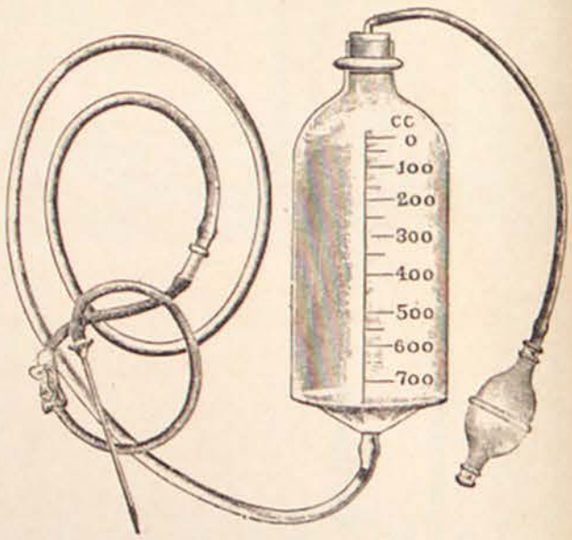
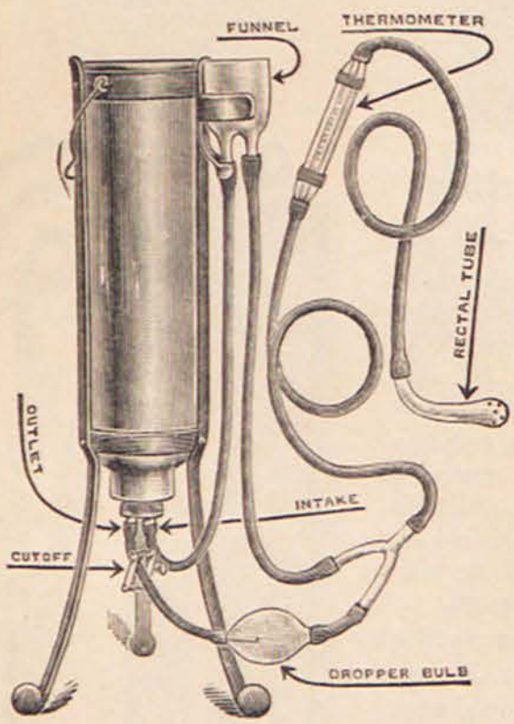
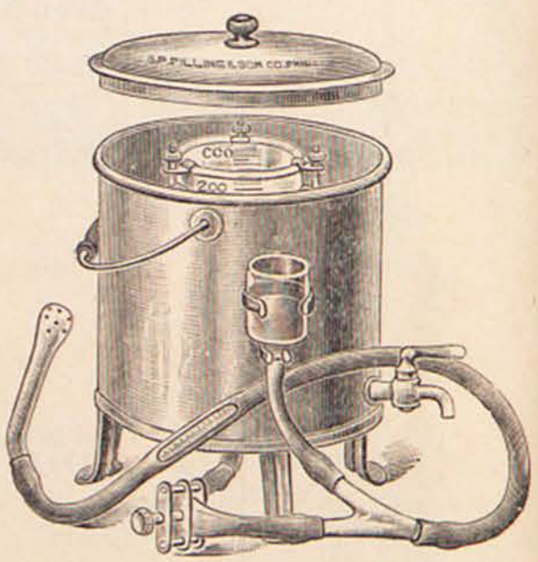


A–1185



A–1190



A–1192

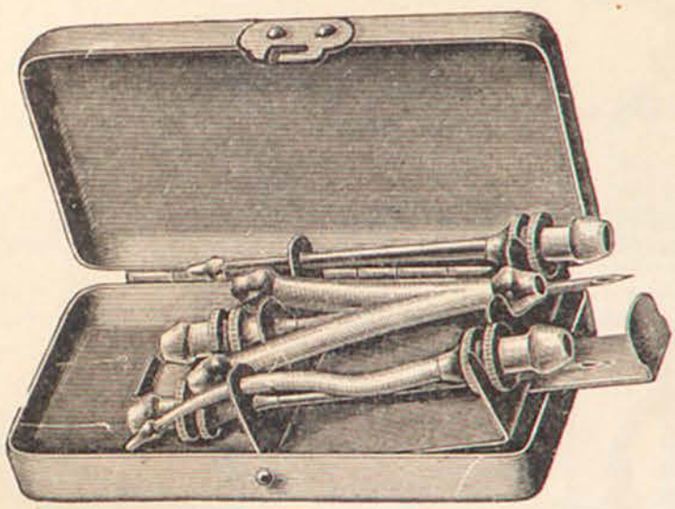
Infusion Apparatus, Saline

A–1180 **Fowler's,** complete as shown.

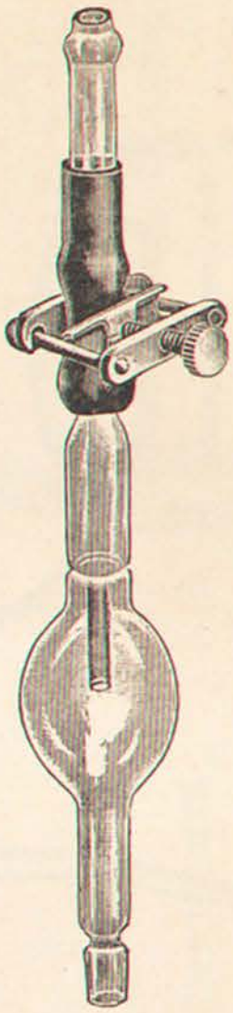
A–1185 **Kelly's,** complete as shown.

A–1190 **Murphy-Magnuson,** complete as shown.

A–1192 **Murphy-Saxon,** complete as shown.



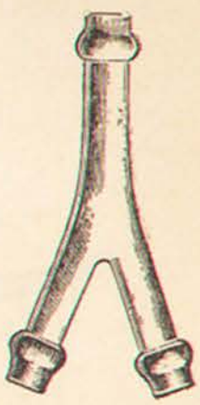
A–1200



A–1220



A–1222



A–1235



A–1226



A–1228



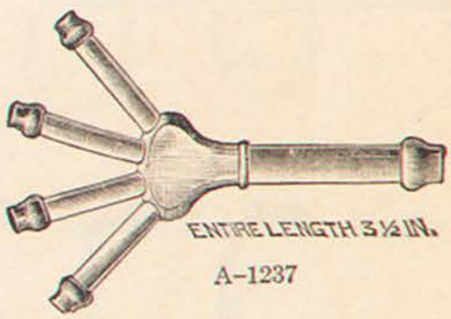
A–1230



A–1231



A–1233



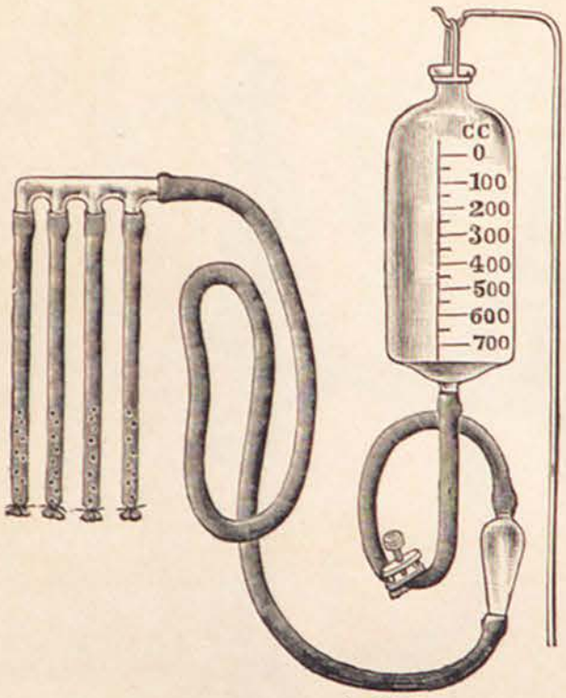
A–1237

Infusion Apparatus, Saline

A–1200 **Webster's,** small, in case.
*A–1201 **Webster's,** large, complete, with rubber tubing, in metal case.

Instruments for Saline Infusion

A–1220 Infusion Drop Tube, **Murphy's,** complete.
A–1222 Infusion Drop Tube only, **Murphy's.**
*A–1224 Infusion Needle, **Webster's,** fine.
*A–1225 Infusion Needle, **Webster's,** medium.
A–1226 Infusion Needle, **Webster's,** large.
A–1228 Infusion Tube, **Fowler's,** intravenous.
A–1230 Infusion Tube, **Webster's,** intravenous, straight, glass or metal.
A–1231 Infusion Tube, **Webster's,** intravenous, curved, glass or metal.
A–1233 Infusion Thermometer, to show salt solution temperature.
A–1235 Infusion Y, metal or glass, 2 outlets.
A–1237 Infusion Y, **Hasbrook's,** metal, 4 outlets.



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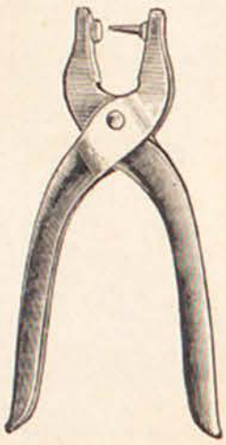


A–1251



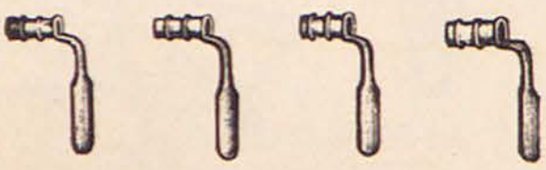
A–1270



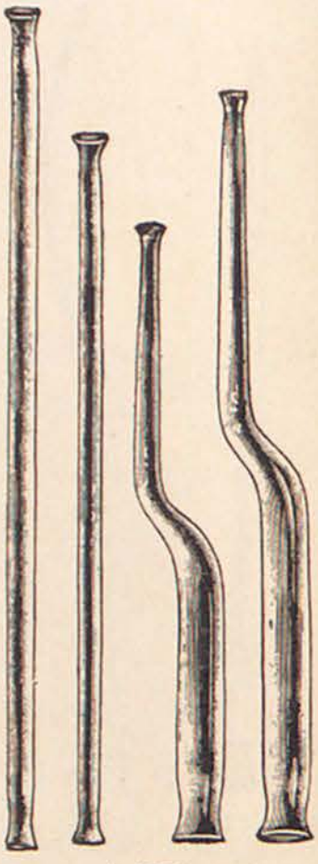
A–1272



A–1276



A–1278



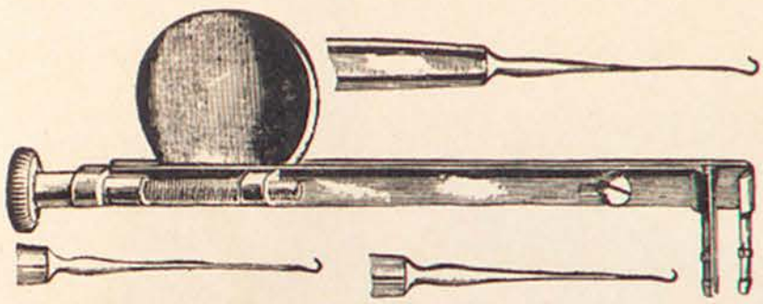
A–1274

Infusion Apparatus, Sterile Solution

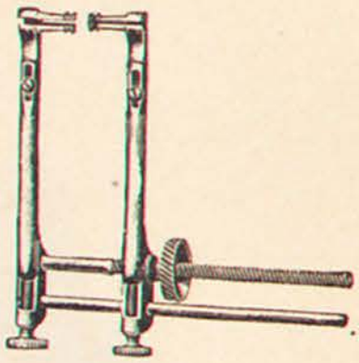
A–1250 **Carrell's,** for Dakin solution.
A–1251 Punch for **Carrell's** infusion apparatus.

Transfusion Instruments, Blood

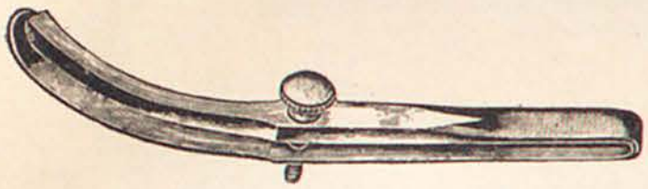
A–1270 Canula, **Aveling's,** Bellevue Hospital, with stopcock.
A–1272 Canula, **Bernheim's.**
A–1274 Canulae, **Brewer's,** glass, set of 4.
A–1276 Canulae, **Carrell's,** gold, 3 sizes, 2, 2½ and 3 mm.
A–1278 Canulae, **Crile's,** silver, set of 4, in case (shown full size).



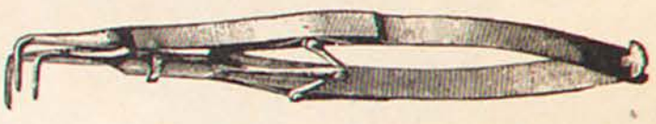
A–1280



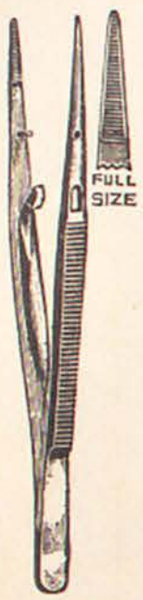
A–1282



A–1288



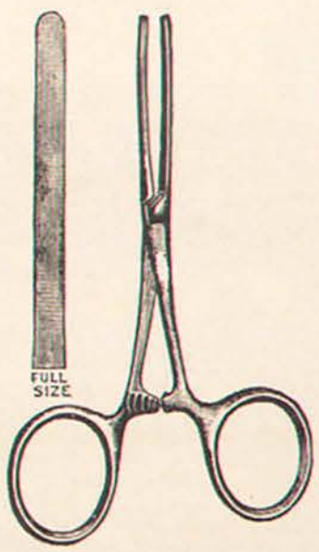
A–1294



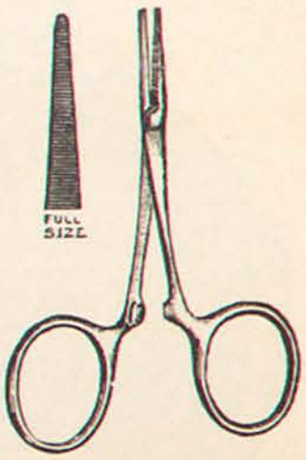
A–1310



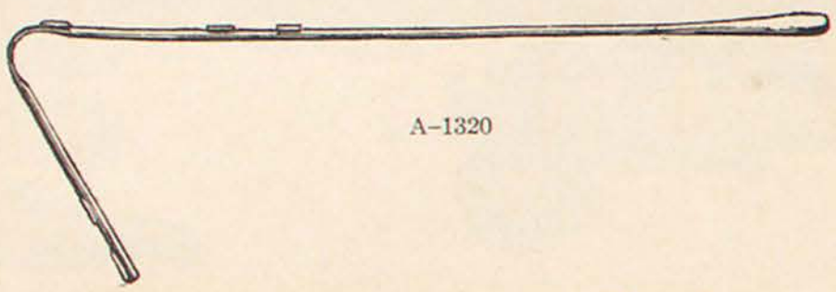
A–1308



A–1312



A–1314



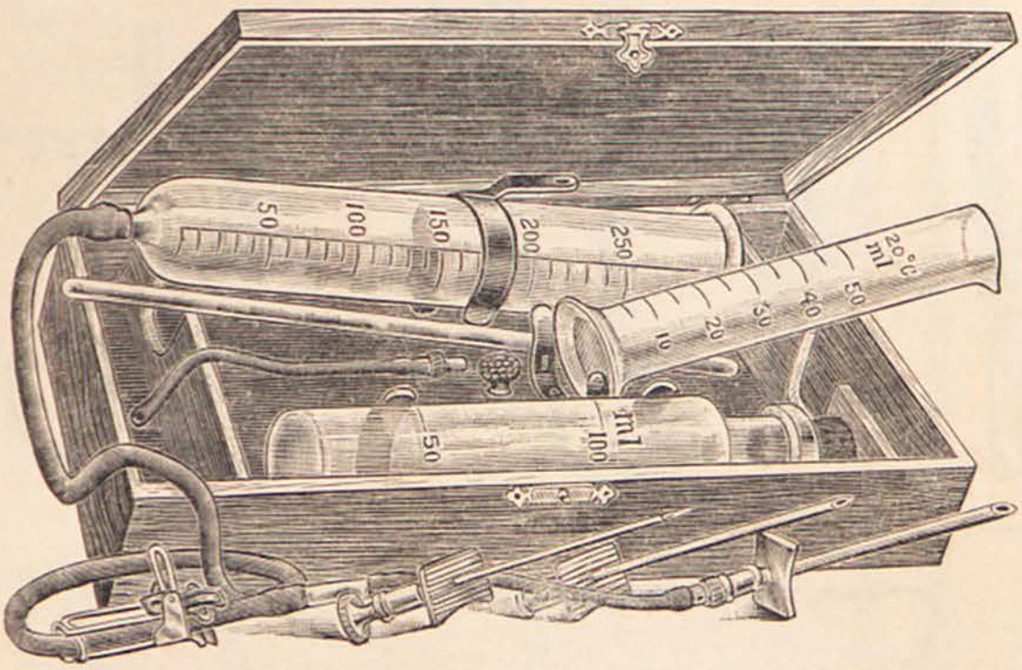
A–1320

Transfusion Instruments, Blood

A–1280 Canula, **Elsberg's,** with 3 tenacula, in case.
A–1282 Canula, **Jeger-Elsberg's.**
A–1288 Clamp, **Crile's,** carotid. 4¾ inches, curved.
*A–1290 Clamp, **Criles's,** carotid, 3 inches.
A–1294 Dilator, **Carrell's** vein.
*A–1298 Director, **Goodwin's** vein.
A–1308 Forceps, **Bernheimer's** introducing, ball pointed.
A–1310 Forceps, **Crile's** haemostatic, for picking up vessel.
A–1312 Forceps, **Carrell's** haemostatic, 4 inches, smooth jaw.
A–1314 Forceps, **Carrell's** haemostatic, 3¼ inches, serrated jaw.
A–1320 Staff, **Horsley's,** for vein anastamosis.



A–1340-1341



A–1345

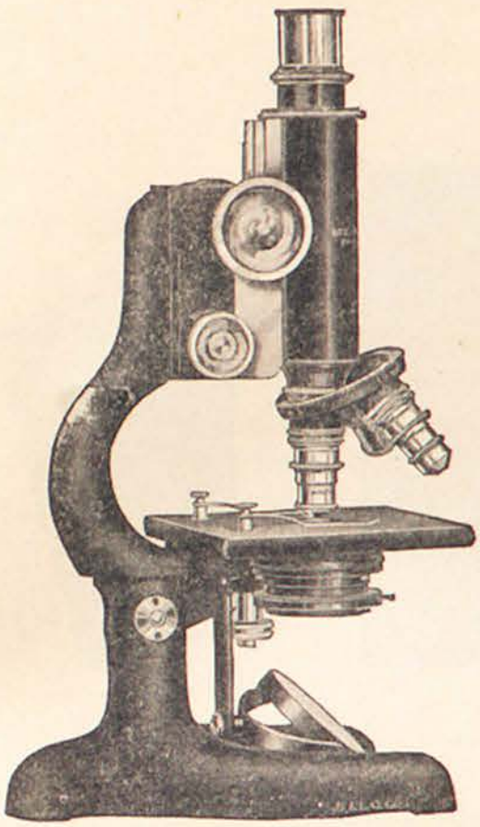
Transfusion Apparatus, Blood

A–1340 **Kimpton-Brown's,** small, complete, including needle.

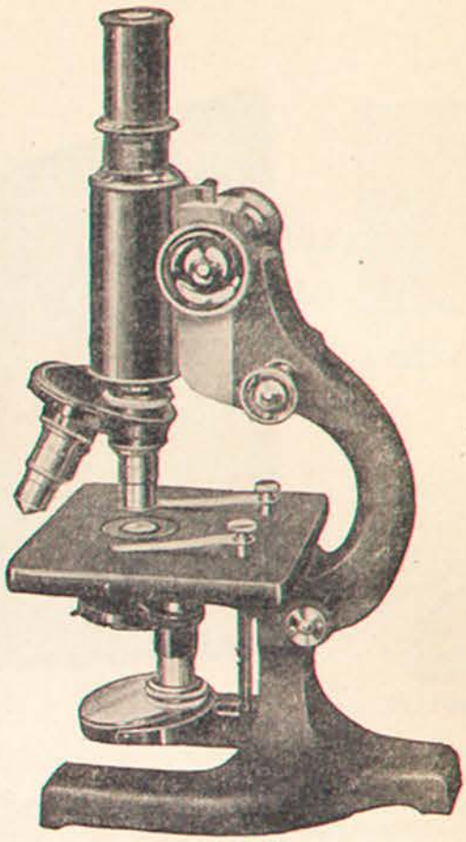
A–1341 **Kimpton-Brown's,** large, complete, including needle.

A–1345 **Lewisohn's,** complete, in case, including 1 each improved Kaliski canula, 13 gauge and 15 gauge; 1 Kaliski trocar needle, 3 glass containers as shown, 2 each Luer adapters, rubber tubing, cut-off, etc.

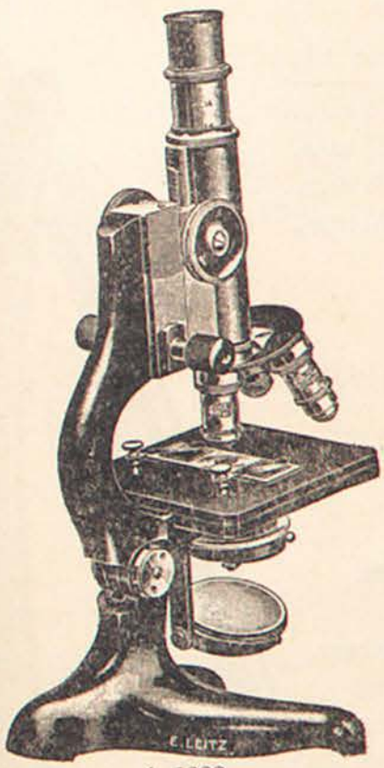
NOTE: With this outfit a 500 cc. graduated jar should be used. This jar is not furnished with the outfit. Its size would necessitate too large a case.



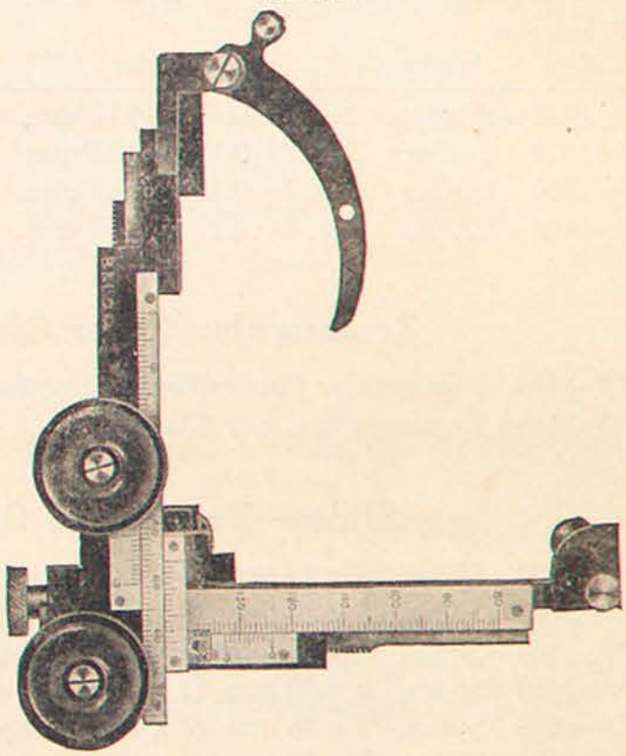
A–1380



A–1384



A–1382



A–1390

Microscopes

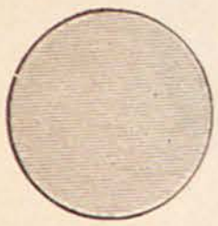
		Abbey Condensor	Nose Piece	Objectives Equivalent Focus mm.	Oculars
A–1380	**Bausch & Lomb,** FFS-8. . . .	N. A. 1.20	Triple	16, 4, {1.9 mm. Oil Imm.	5X 10X
A–1382	**E. Leitz,** L-10.	N. A. 1.20	Triple	16, 4, {1.8 mm. Oil Imm.	6X 10X
A–1384	**Spencer,** 44-H.	N. A. 1.20	Triple	16, 4, {1.8 mm. Oil Imm.	6X 10X

A–1390 **Bausch & Lomb,** mechanical stage, attachable, Model B.
*A–1392 **E. Leitz,** mechanical stage, attachable, for above microscope.
A–1394 **Spencer,** mechanical stage, attachable, No. 490.

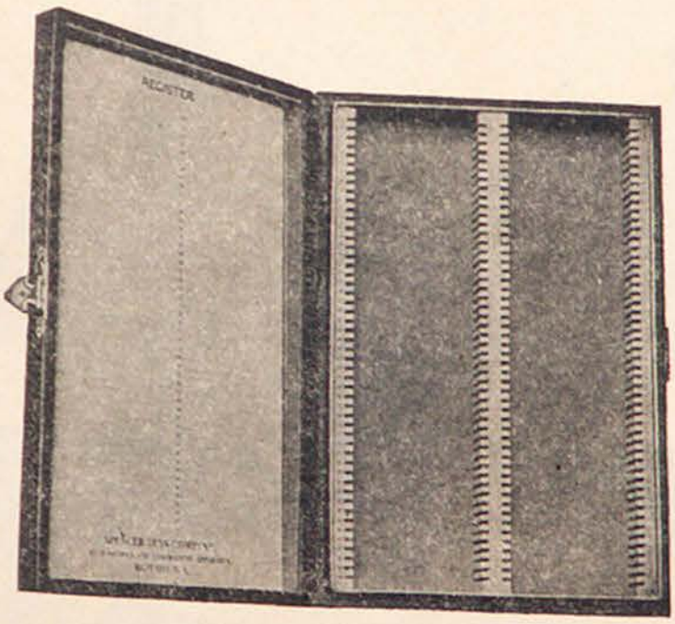
Complete catalogues of Bausch & Lomb, Leitz and Spencer Microscopes and accessories sent on request.



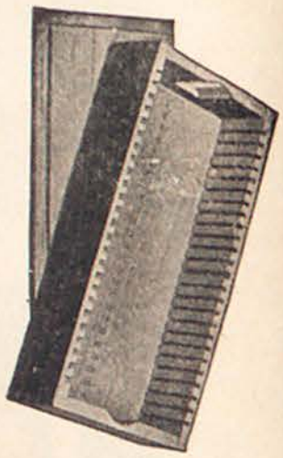
A–1420-1422



A–1424-1426



A–1500



A–1505

Cover Glasses and Slides

Best White Glass. Uniform in Thickness

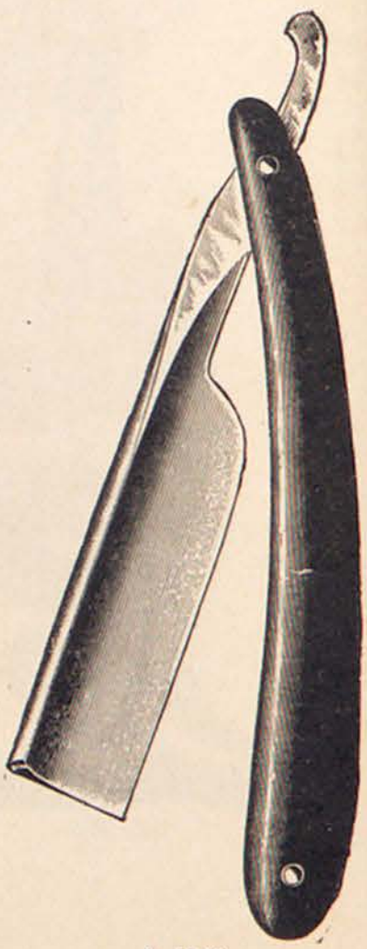
Catalogue No.	Shape	Thickness	Dimensions
A–1420	Squares	No. 1—0.13 to 0.17 mm.	15, 18, 22 or 25 mm.
A–1422	Squares	No. 2—0.17 to 0.25 mm.	15, 18, 22 or 25 mm.
A–1424	Circles	No. 1—0.13 to 0.17 mm.	15, 18, 22 or 25 mm.
A–1426	Circles	No. 2—0.17 to 0.25 mm.	15, 18, 22 or 25 mm.

Rectangular Cover Glasses

*A–1440 Rectangular Cover Glasses, No. 1. All sizes.
*A–1445 Rectangular Cover Glasses, No. 2. All sizes.

Slides—Best White Glass

*A–1460 Slides, 75 x 25 mm. (3 x 1 inches) medium thickness.
*A–1462 Slides, 75 x 25 mm. (3 x 1 inches) extra thin.
*A–1464 Slides, 44 x 25 mm. (1⅜ x 1 inches) medium thickness.
*A–1466 Slides, 50 x 20 mm. (2 x 1 inches) medium thickness.
*A–1468 Slides, 75 x 38 mm. (3 x 1½ inches) medium thickness.
*A–1470 Slides, 75 x 50 mm. (3 x 2 inches) medium thickness.
*A–1472 Slides, 75 x 25 mm. (3 x 1 inches) concave centers.
*A–1474 Slides, 75 x 25 mm. (3 x 1 inches) drop culture. Cavity 16 mm. diameter and 2 mm deep.



A–1540

Slide Boxes

A–1500 Slide Boxes, grooved to hold 100 objects, hinged and cloth covered.
A–1505 Slide Boxes, white wood, grooved to hold 25 objects, numbered and indexed.
*A–1520 Slide Mailing Cases, tops, middles or bottoms.
A–1540 Section Razor, flat and hollow ground blade, metal handle.

Dry Stains for Use in Microscopy

A–1600 Azur I.

A–1601 Azur II.

A–1602 Azur II, Eosin.

A–1608 Fuchsin, Acid, Harmer, also suitable as Andrade indicator in preparation of culture media.

A–1610 Fuchsin, Acid, Heyl.

A–1612 Fuchsin, Basic, R. F. N. Heyl.

A–1614 Fuchsin, Basic, Harmer, for bacilli.

A–1620 Gentian Violet, Harmer.

A–1622 Gentian Violet, Heyl.

A–1630 Haematoxylin or c. p., white crystals, Heyl.

A–1635 Jenner's dry stain.

A–1650 Methylene Blue, for bacilli.

A–1655 Methylene Blue, rectified.

A–1680 Wright's Dry Stain, powdered, in ampoules containing 0.1 gram.

Stains in Solution

A–1700 Carbol Fuchsin, Ziehl-Nielson.

A–1710 Gentian Violet, 2 per cent alcoholic.

A–1712 Gentian Violet, 1 per cent aqueous.

A–1714 Gentian Violet, Gram.

A–1720 Methylene Blue, acid, Gabbett.

A–1722 Methylene Blue, Eosinated, Hasting.

A–1724 Methylene Blue, Eosinated, Jenner.

A–1726 Methylene Blue, Eosinated, Wright.

A–1728 Methylene Blue, Loeffler.

A–1750 Polychrome Methylene Blue, Goldhorn.

A–1760 Spirochaete Stain, Giemsa.

A–1770 Toisson Blood Solution.

Mounting and Finishing Materials

A–1800 Balsam, Canada, in 20 cc. collapsible tubes.

A–1802 Balsam, Canada, dissolved in Xylol in 20 cc tubes.

Embedding Media

A–1810 Histoloid, in shreds in 1 oz. bottles.

A–1820 Parlodion (purest shredded concentrated collodion) in 1 oz. bottles.

General Reagents

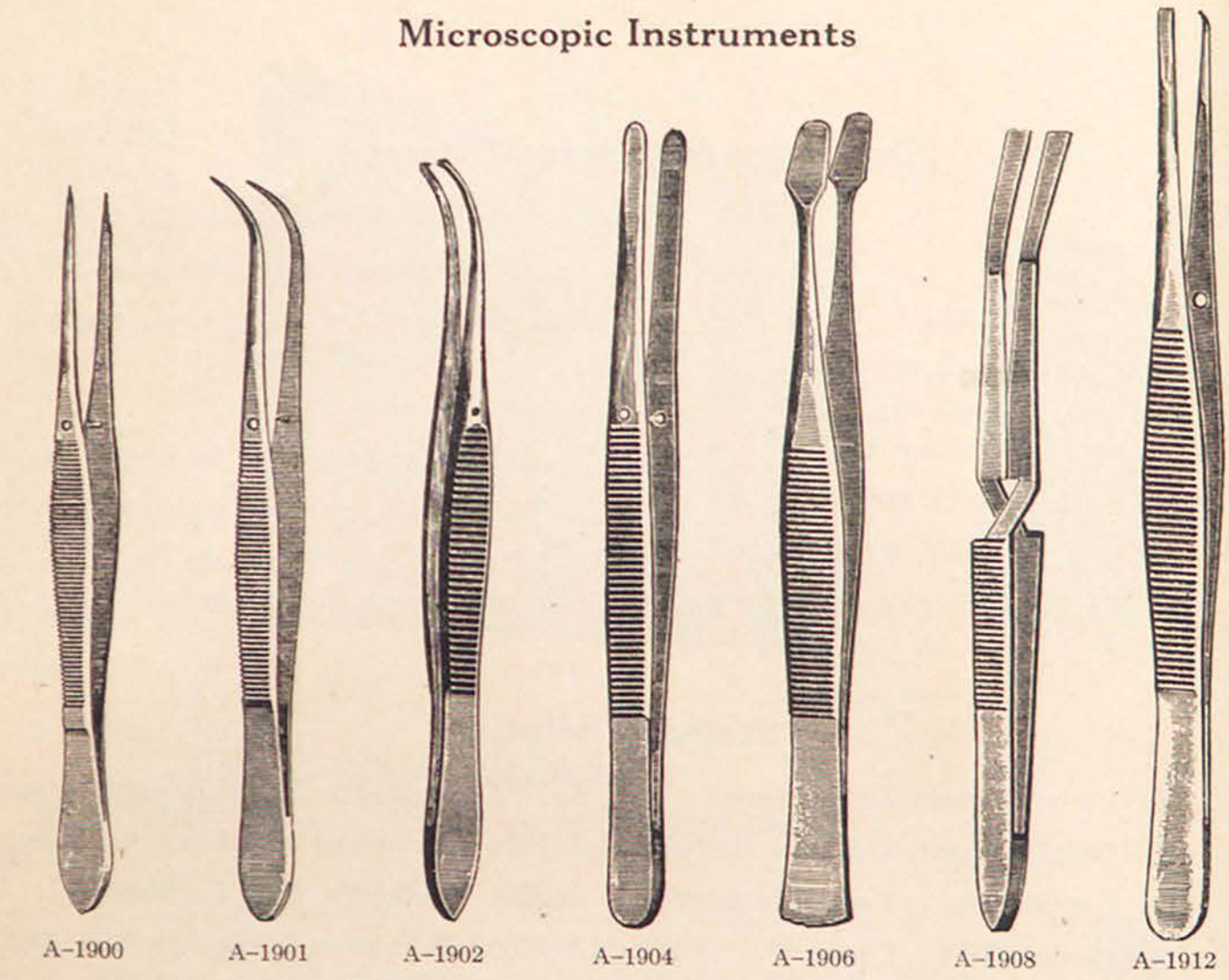
A–1830 Oil, Cedar, for immersion objectives.

A–1840 Oil, Cloves.

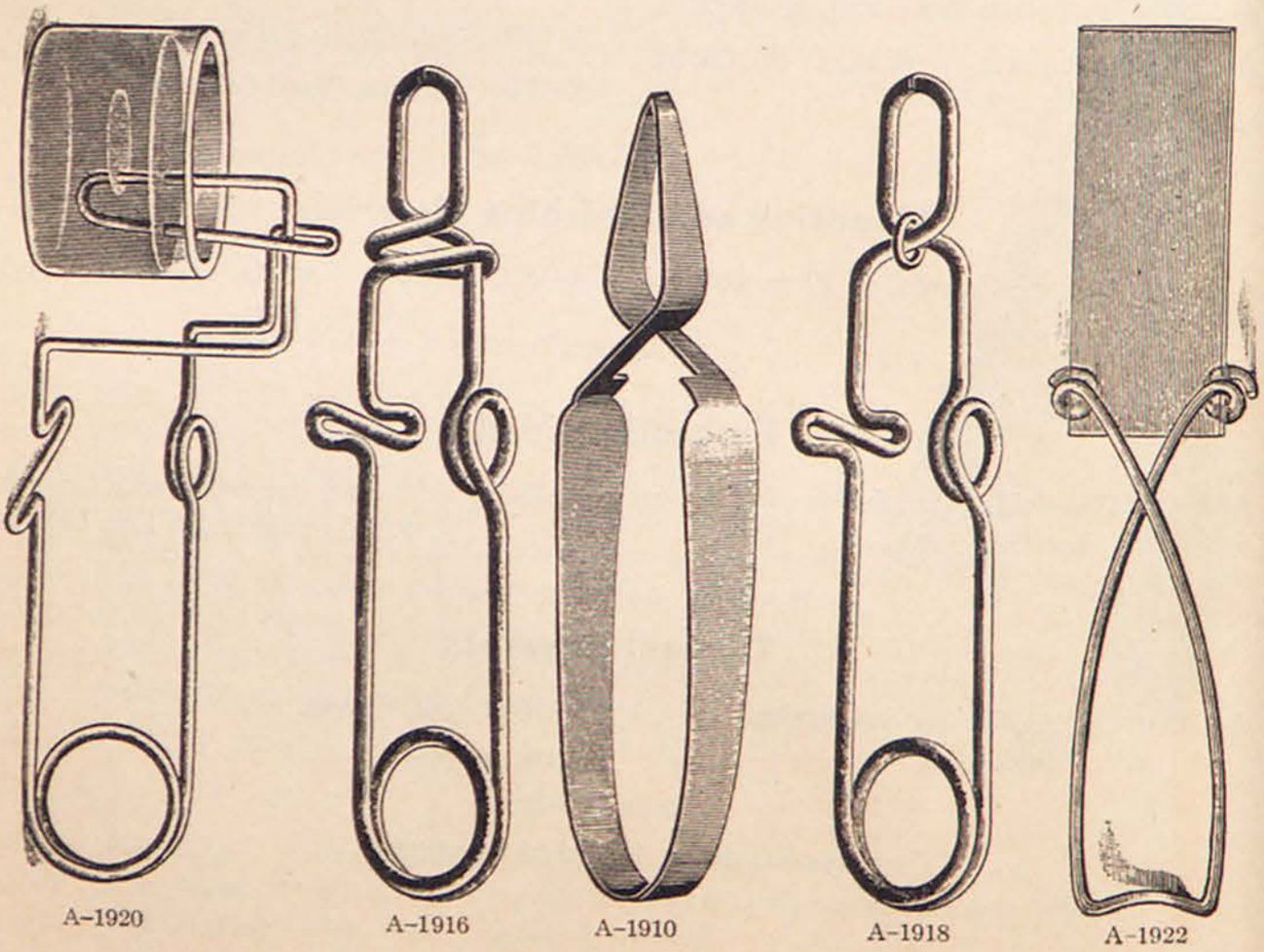
A–1850 Xylol.

Special Stains furnished on request

Microscopic Instruments



A–1900 A–1901 A–1902 A–1904 A–1906 A–1908 A–1912



A–1920 A–1916 A–1910 A–1918 A–1922

For description see next page


A–1926


A–1924


A–1928


A–1942


A–1936

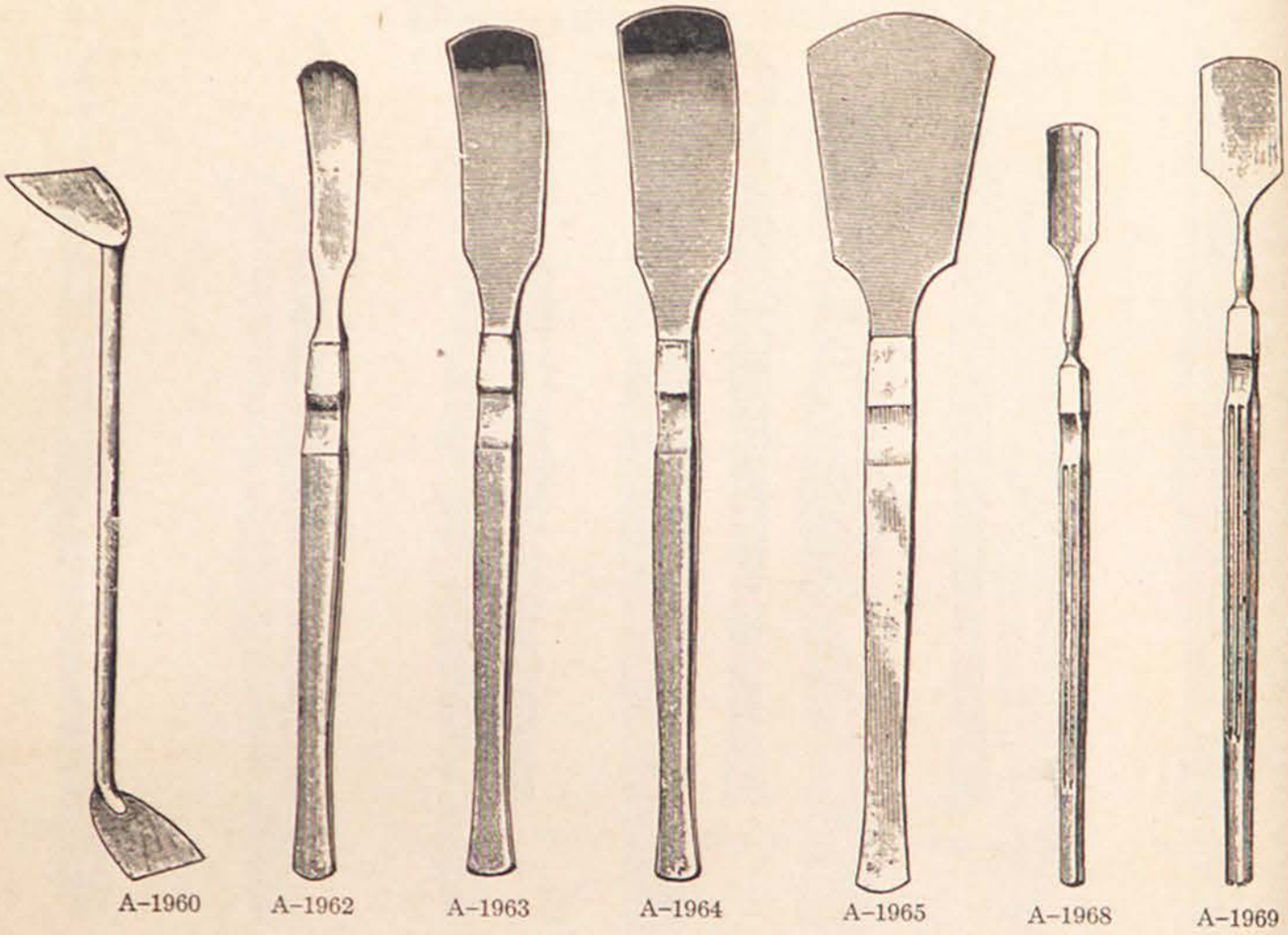

A–1934

Microscopic Instruments

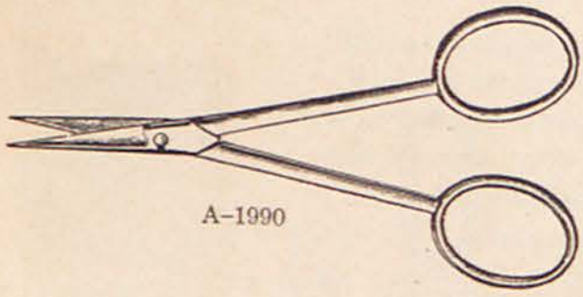

A–1932

A–1900 Forceps, straight, fine, serrated points, 4½ inch.
A–1901 Forceps, curved, fine, serrated points, 4¼ inch.
A–1902 Forceps, curved, fine, mouse tooth points, 4¼ inch.
A–1904 Forceps, cover glass, straight, thin blades, 4 inch.
A–1906 Forceps, cover glass, bent, thin blades, 4 inch.
A–1908 Forceps, cover glass, bent, cross action, thin blades, 4 inch.
A–1910 Forceps, cover glass, **Cornet's.**
A–1912 Forceps, cover glass, **Novy's,** plain, 4½ inch.
*A–1914 Forceps, cover glass, **Novy's,** slide catch, 4½ inch.
A–1916 Forceps, cover glass, **Stewart's,** wire.
A–1918 Forceps, cover glass, plain, wire.
A–1920 Forceps, cover glass, **Kalteyer's.**
A–1922 Forceps, slide, **Kirkbride's,** for staining.
A–1924 Knife, scalpel, triangular shape, metal handle.
A–1926 Knife, scalpel, bellied, metal handle.
A–1928 Knife, triangular shape, single edge, metal handle.
*A–1930 Knife, curved, probe pointed, metal handle.
*A–1932 Knife, Lee's, triangular shape, metal handle.
A–1934 Needle, spear point, double cutting edge, aluminum handle.
A–1936 Needle, harpoon point, single cutting edge, aluminum handle.
*A–1938 Needle, straight, fine, aluminum handle.
*A–1940 Needle, curved, fine, aluminum handle.
A–1942 Needle, hook shape, aluminum handle.
*A–1944 Needle, bone handle, clamping.
A–1946 Needle, bone handle, clamping, set of 3 needles.
*A–1948 Needle, inoculating, platinum, glass handle, 4 cm., 8 cm.


B C D
A–1946



A-1960 A-1962 A-1963 A-1964 A-1965 A-1968 A-1969



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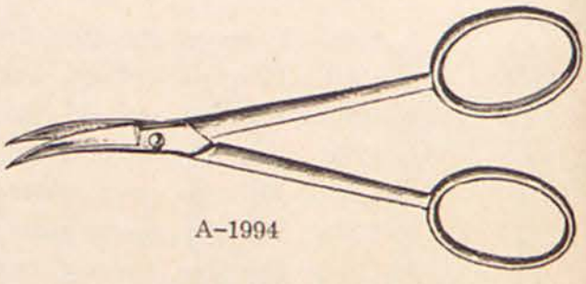

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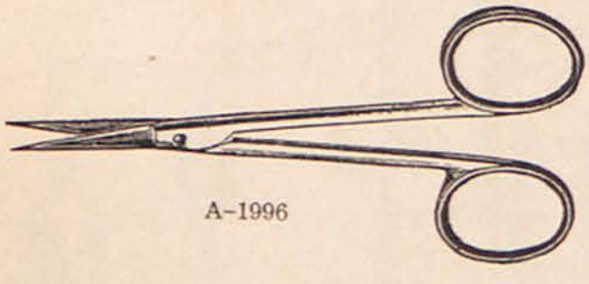

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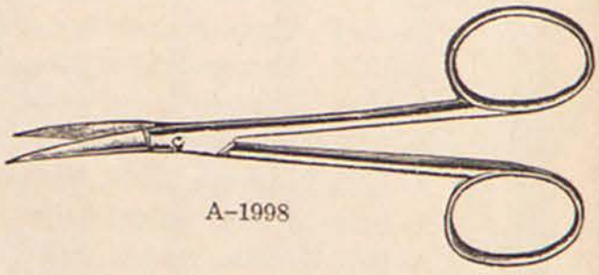


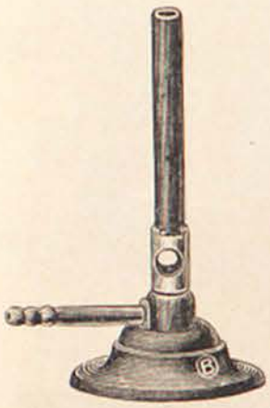
A-1998

Microscopic Instruments

A-1960 Section Lifter, plain, all metal, German silver blade.
A-1962 Section Lifter, 3/8 inch wide.
A-1963 Section Lifter, 3/4 inch wide.
A-1964 Section Lifter, 1 inch wide.
A-1965 Section Lifter, 1 3/4 inches wide.
A-1968 Section Lifter, rigid blade, 3/8 inch wide.
A-1969 Section Lifter, rigid blade, 2/16 inch wide.

Microscopic Scissors

A-1990 Scissors, straight, slender.
*A-1992 Scissors, angular, slender.
A-1994 Scissors, curved on flat, slender.
A-1996 Scissors, straight, dissecting, fine.
A-1998 Scissors, curved on flat, dissecting, fine.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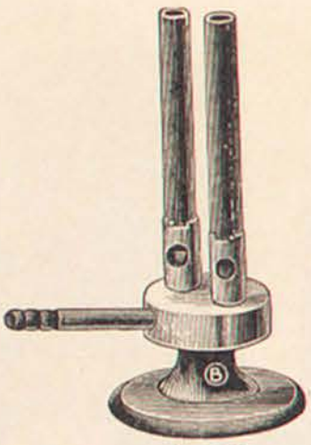
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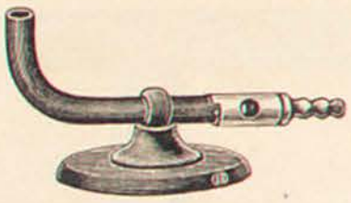
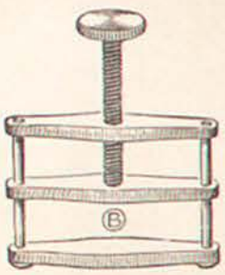

A–2110


A–2112


A–2115


A–2122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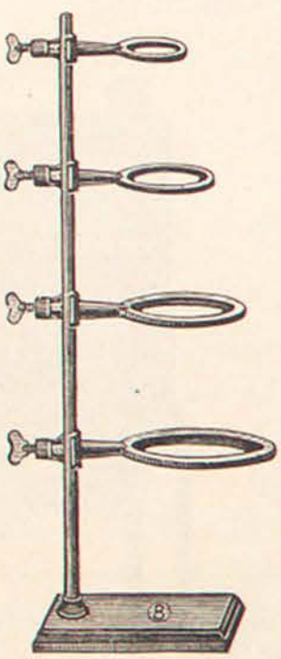
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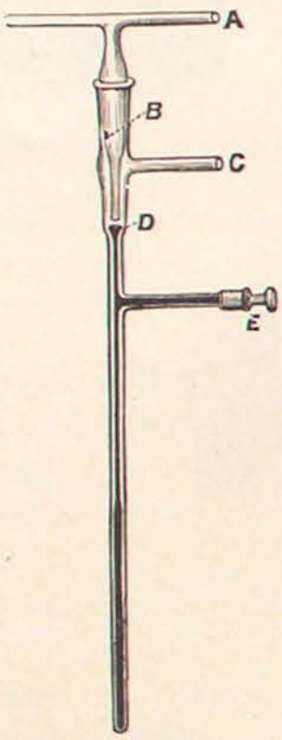

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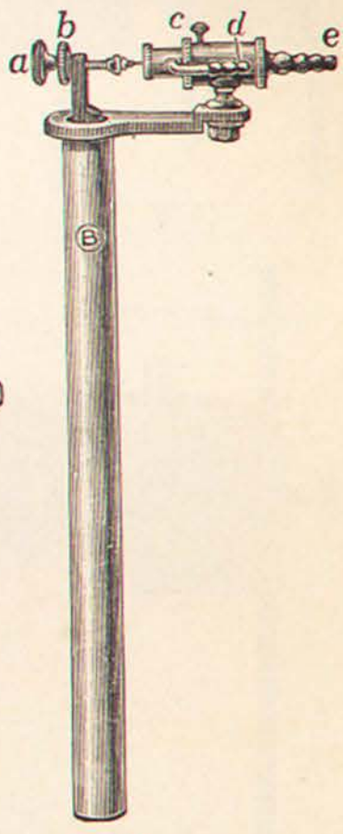

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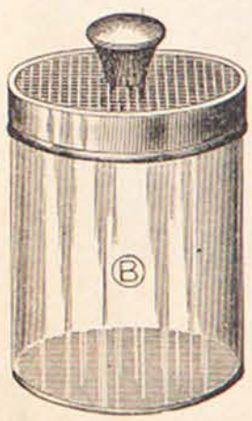
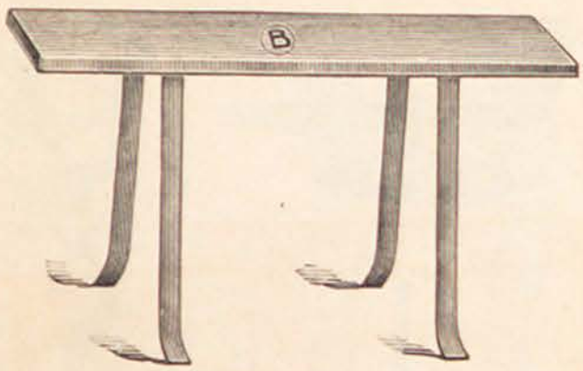

A–2130

Laboratory Apparatus

A–2100 Burner, **Bunsen's,** 6 inches high, single tube.
A–2105 Burner, **Bunsen's,** 6 inches high, 2, 3, 4 and 6 tubes.
A–2110 Burner, **Bunsen's,** low form, 3 inches high.
A–2112 Burner, **Bunsen's,** micro, 2 inches high.
A–2115 Clamp, iron, for large objects.
*A–2118 Clamp, iron, for burettes and small objects.
A–2120 Clamp, **Hoffman's,** screw compressor, small and large.
A–2122 Clamp, **Mohr's,** small and large.
A–2130 Mouse Jar.
A–2135 Regulator, **Reichert's** improved.
A–2140 Regulator, **Roux's,** bi-metallic, all metal, small and large.
A–2145 Support, rectangular base, with two or four rings.



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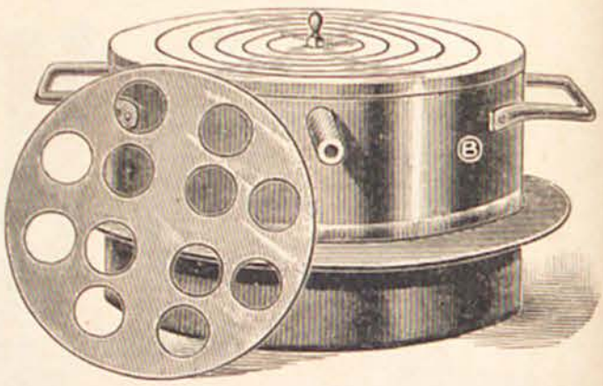

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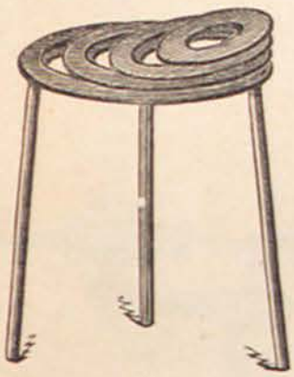

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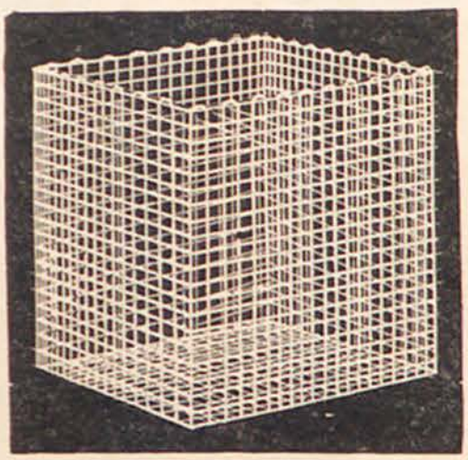

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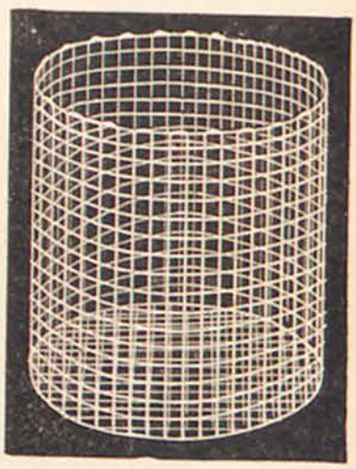

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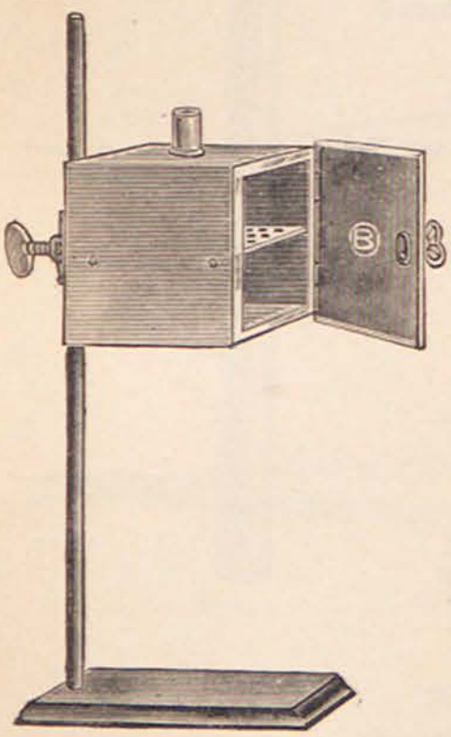

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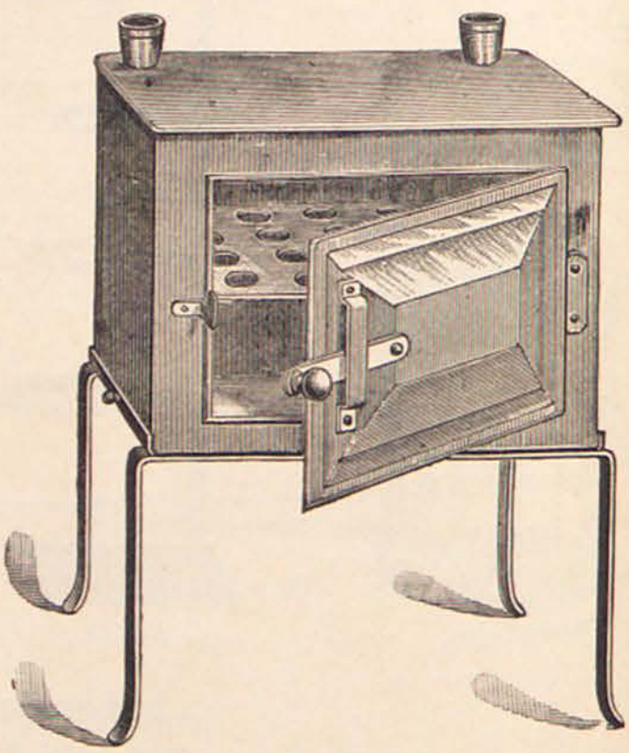
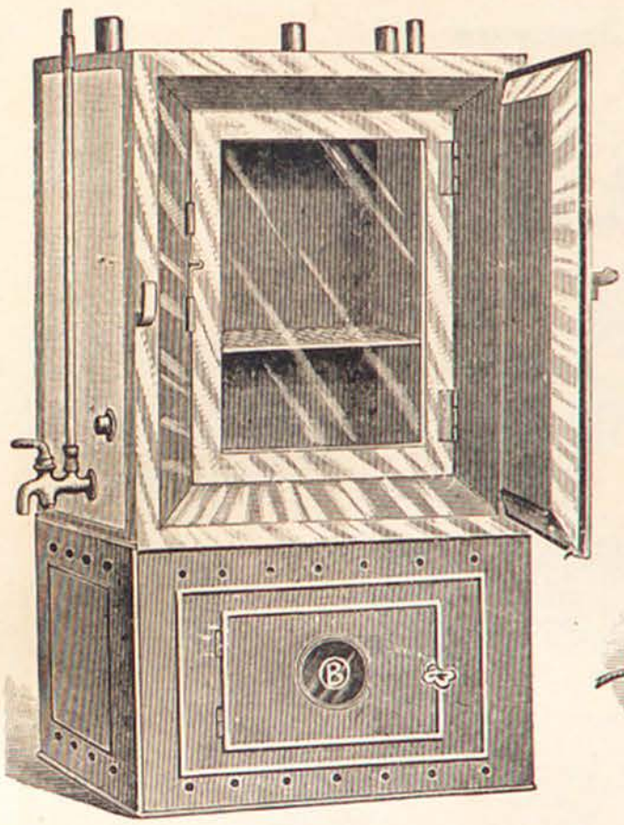


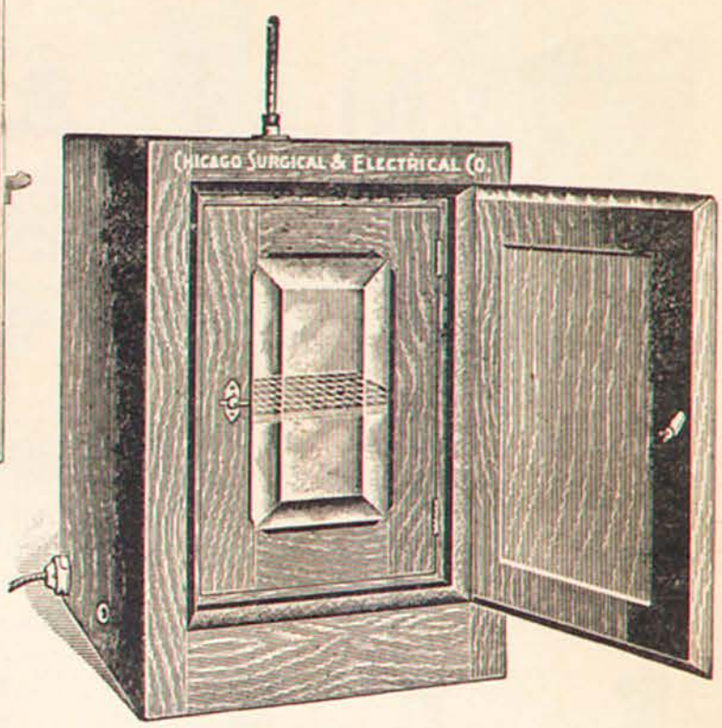
A–2182

Laboratory Apparatus

A–2150 Tripod, iron, 8 inches high, 4, 5 and 6 ring.
A–2155 Warming Plate, heavy copper supported on iron legs.
A–2160 Water Bath, polished copper, tin lined, 5, 6 and 8 inches.
A–2162 Wire Basket, for test tubes, square, 6 x 6 x 6 inches.
A–2164 Wire Basket, for test tubes, round, 6 inches high, 6 inches diameter.
A–2180 Drying Oven, for blood work, copper, 4 x 4 x 4 inches.
A–2182 Drying Oven, double wall, copper, 6 x 8 inches, 1 shelf; 8 x 10 inches, 1 shelf; 10 x 12 inches, 2 shelves.



A–2200-2202



A–2208-2211

Laboratory Apparatus

A–2200 Incubator, laboratory, inside dimensions, height 14 inches, width 12 inches, depth 10 inches.

A–2201 Incubator, laboratory, inside dimensions, height 12 inches, width 9 inches, depth 9 inches.

A–2202 Incubator, laboratory, inside dimensions, height 9 inches, width 7 inches, depth 7 inches.

Prices include thermometer, register and Bunsen burner.

*A–2205 Incubator, physician's, inside measurements 8 x 9 inches.

A–2208 Incubator, electric, No. 1, 9 x 7 x 7 inches.

A–2209 Incubator, electric, No. 3, 12 x 9 x 9 inches.

A–2210 Incubator, electric, No. 11, 15 x 12 x 10½ inches.

A–2211 Incubator, electric, No. 2, 26 x 18 x 18 inches.

*A–2216 Thermostat, electric, with condenser.

*A–2220 Filter, Berkefeld's laboratory, nickel-plated—
Capacity, 1 litre in 50 seconds; 40 pounds pressure.
Capacity, 1 litre in 40 seconds; 40 pounds pressure.
Capacity, 1 litre in 30 seconds; 40 pounds pressure.

*A–2225 Cylinder, small, medium, large.

*A–2227 Two-way stop cock for use with above.

*A–2229 Wrench for opening filters.

*A–2240 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.

*A–2245 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.

Illustrated literature on Mandler Filters sent on request.
Illustrated literature on Stokes Automatic Water Stills sent on request.

Laboratory Glassware


A-2300


A-2302


A-2305



A-2308

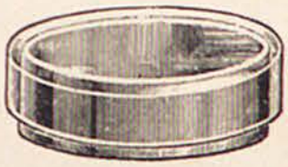

A-2304


A-2315


A-2303


A-2326


A-2322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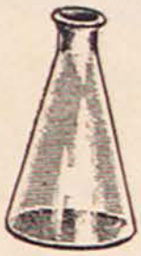
A-2387


A-2324


A-2330


A-2328


A-2335


A-2337


A-2354


A-2347


A-2382

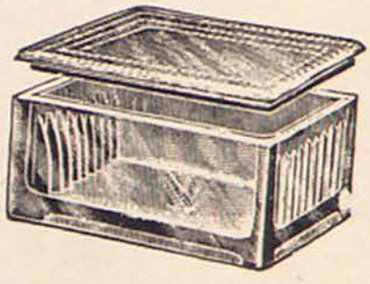

A-2310


A-2311


A-2368



A-2370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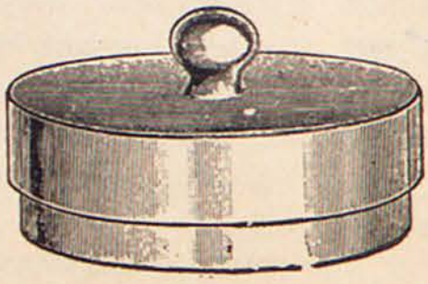
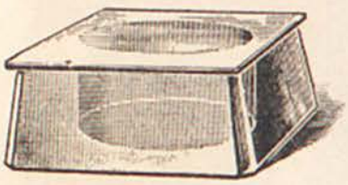

A-2362

For description see next page



A–2385



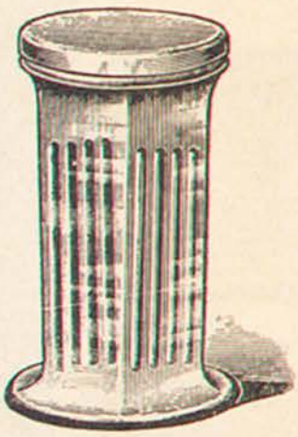
A–2391



A–2360



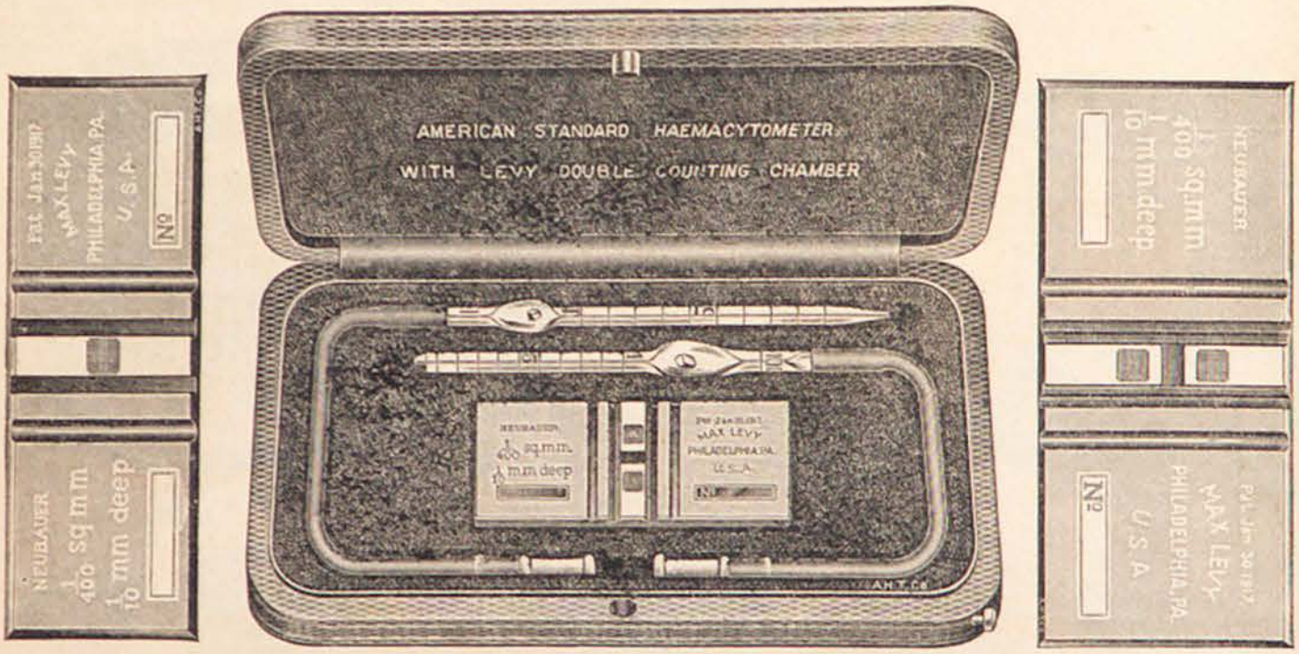
A–2306



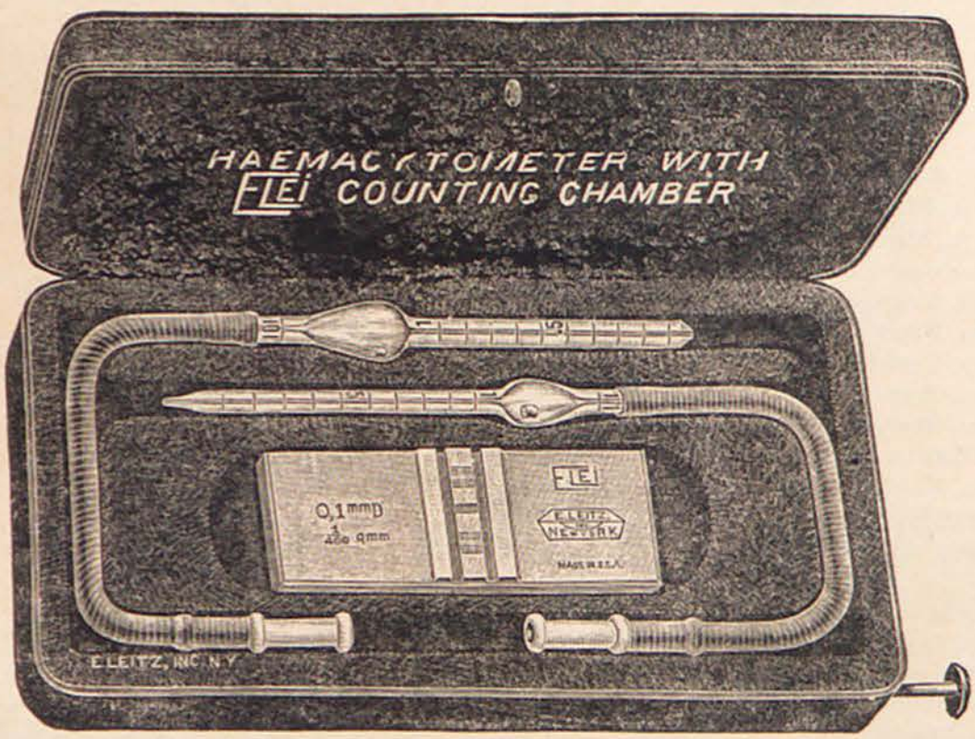
A–2350

Laboratory Glassware

A–2300	Beakers, with lip, capacity cc	15	30	50	75	100	200	300	450
A–2302	Bottle, Balsam, with dropper and glass cap.								
A–2303	Bottle, Dropping, ground stopper, bulb pipette, 30 cc.								
A–2304	Bottle, Dropping, ground stopper, glass pipette, 30 cc.								
A–2305	Bottle, Dropping, ground stopper, closed with half a turn, 30 cc.								
A–2306	Bottle, Immersion Oil, unspillable.								
A–2308	Bottle, Reagent, lettered, narrow mouth glass stopper, 125 cc., 32 reagents.								
A–2310	Burette, **Mohr's,** plain, 10 cc., 25cc., 50 cc., 100 cc.								
A–2311	Burette, **Mohr's,** with stopcock, 10 cc., 25 cc., 50 cc.								
*A–2312	Burette connection, consisting of rubber tube, pinch cock and glass tip.								
A–2315	Dishes, Evaporating, porcelain, capacity cc	50	100	150	200	300	750		
A–2320	Dishes, **Petri's,** 50 mm., 80 mm., 100 mm., 120 mm.								
A–2322	Dishes, Pasteur, 100 mm.								
A–2324	Dishes, Preparation, loose cover, 50 mm., 60 mm., 80 mm.								
A–2326	Dishes, **Stender,** 50 mm., 60 mm., 80 mm., 100 mm.								
A–2328	Flasks, **Erlenmeyer,** capacity cc	30	60	120	250	500	1000	2000	
A–2330	Flasks, **Koch's,** capacity cc	30	60	120	250	500	1000	2000	
A–2335	Funnels, plain.								
A–2337	Funnels, ribbed.								
*A–2339	Glass Rod, diameter 2 to 12 mm.								
*A–2345	Glass Tubing, outside diameter 2 to 25 mm., lengths 1½ meters.								
A–2347	Graduates. Graduated both in cubic centimeters and ounces.								
	Capacity cc	15	30	60	125	250	500	1000	
A–2350	Jars, **Coplin's,** staining.								
*A–2352	Jars, Specimen, 200 cc., 300 cc., 500 cc., 700 cc.								
A–2354	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	200	375
	Diameter mouth, mm	57	57	57	57	88	88	88	125	125
	We can furnish larger sizes upon application									
*A–2356	Jars, Specimen, rectangular. White glass. Ground glass covers.									
	Height, mm	100	125	125	150	150	150	200	200	
	Length, mm	65	100	100	100	75	100	125	150	
	Width, mm	50	40	100	50	75	100	100	75	
A–2358	Jar, square, staining, with cover, for 10 slides.									
A–2360	Lamps, Alcohol, glass, 1 oz., 2 oz., 4 oz.									
A–2362	Moist Chamber, glass, diameter, 200 mm., 240 mm.									
*A–2364	Pipettes, straight or curved, with bulb.									
*A–2366	Pipettes, straight, glass, 8 inch, 12 inch.									
A–2368	Pipettes, **Mohr's,** 1 cc., 2 cc., 5 cc., 10 cc., 25 cc., 50 cc.									
A–2370	Pipettes, Volumetric, 1 cc., 5 cc., 10 cc., 25 cc., 50 cc.									
*A–2375	Test Tubes, best clear thin glass; 4 inch, 5 inch, 6 inch.									
*A–2380	Thermometer, Chemical, all glass, graduated to 100°, 150°, 250° Cent.									
A–2382	Thermometer, Incubator, graduated to 50° Cent.									
A–2385	Watch Glasses. Thin. Concave form. Diameter mm	40	50	75	100	120				
A–2387	Watch Glasses, **Syracuse,** diameter 65 mm.									
*A–2389	Watch Glasses, **Syracuse,** with ground beveled surface.									
A–2391	Watch Glasses, square.									



A–2425 A–2405-2410 A–2430



A–2415-2420

Apparatus for Blood Testing

A–2405 Haemacytometer, American Standard, with Levy counting chamber with single Neubauer ruling, complete in case as shown.

A–2410 Haemacytometer, same as above, with double Neubauer ruling, Bureau of Standards certificate for the above, for both counting chamber and pipettes.

A–2415 Haemacytometer, with **Elei** counting chamber, with single Neubauer ruling, complete in case as shown.

A–2420 Haemacytometer, same as above, with double Neubauer ruling.
The **Elei** counting chamber and pipettes are guaranteed to meet the specifications of the Bureau of Standards.

A–2425 **Levy** counting chamber, with single Neubauer ruling.

A–2430 **Levy** counting chamber, with double Neubauer ruling.

*A–2435 **Elei** counting chamber, with single Neubauer ruling.

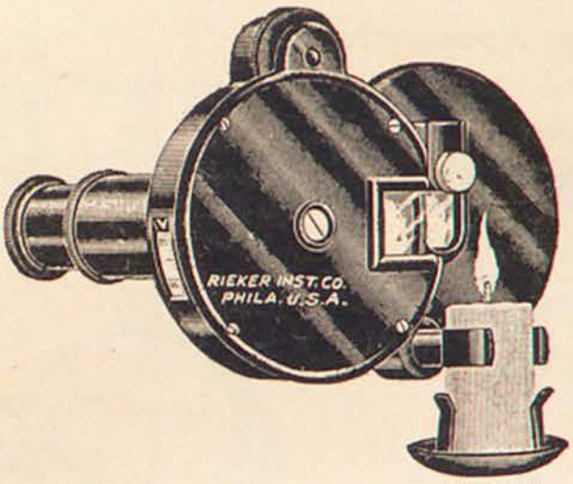
*A–2440 **Elei** counting chamber, with double Neubauer ruling.

*A–2445 **Levy** Pipettes only, for red corpuscles.

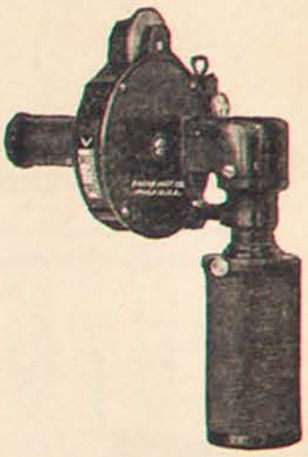
*A–2450 **Levy** Pipettes only, for white corpuscles.

*A–2455 **Elei** Pipettes only, for red corpuscles.

*A–2460 **Elei** Pipettes only, for white corpuscles.



A–2480



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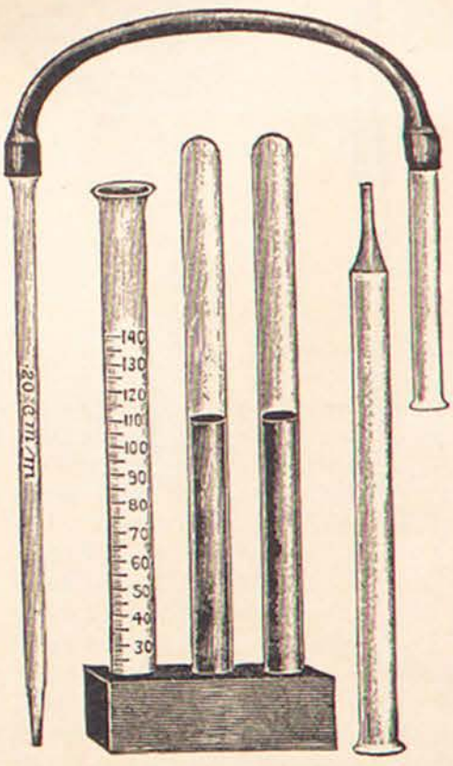
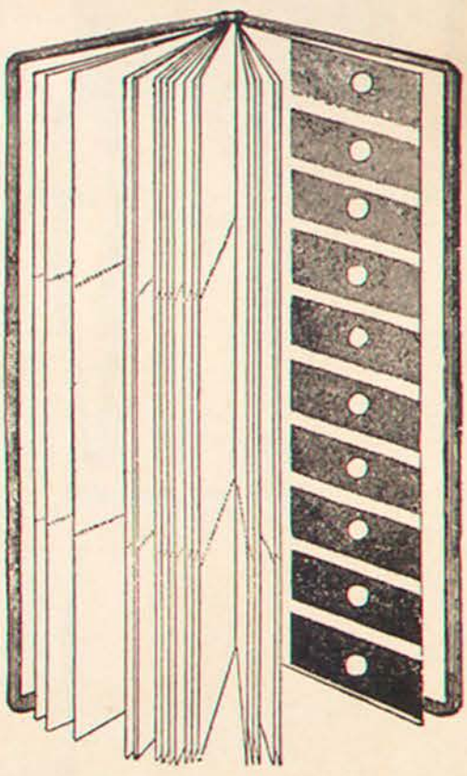


A–2500



A–2510

Apparatus for Blood Testing

A–2480 Haemoglobinometer, **Dare's,** candle illuminated, in case.

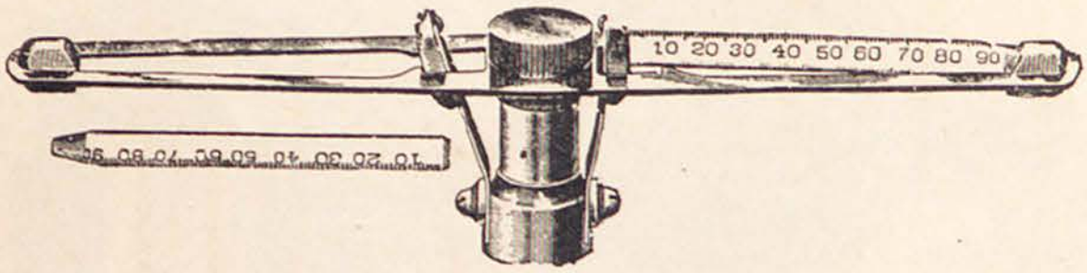
*A–2485 Haemoglobinometer, **Dare's,** for candle or electric light illumination, A. C. or D. C. current, complete with resistance unit, lamp, camera, connectors and cords, ready for use.

A–2490 Haemoglobinometer, **Dare's,** for electric light, with universal battery handle, in case.

A–2500 Haemoglobinometer, **Gower's.**

A–2510 Haemoglobinometer, **Tallquist's** scale.

Centrifuge Accessories



A–2585



A–2596



A–2598



A–2587



A–2592



A–2560



A–2570



A–2604



A–2562



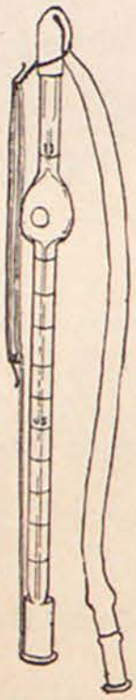
A–2566



A–2568



A–2594



A–2606



A–2574

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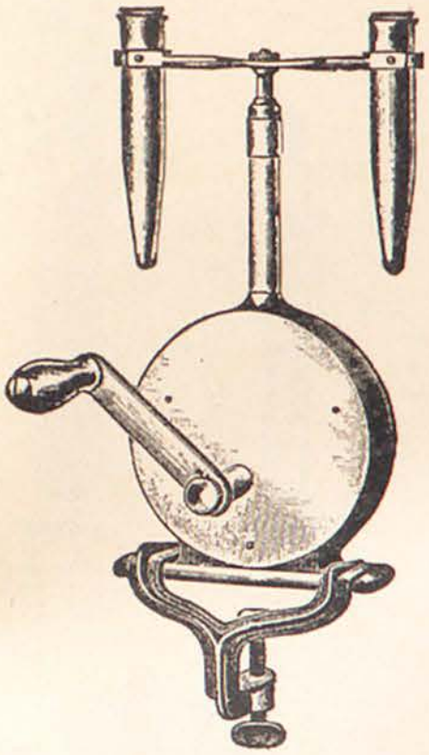

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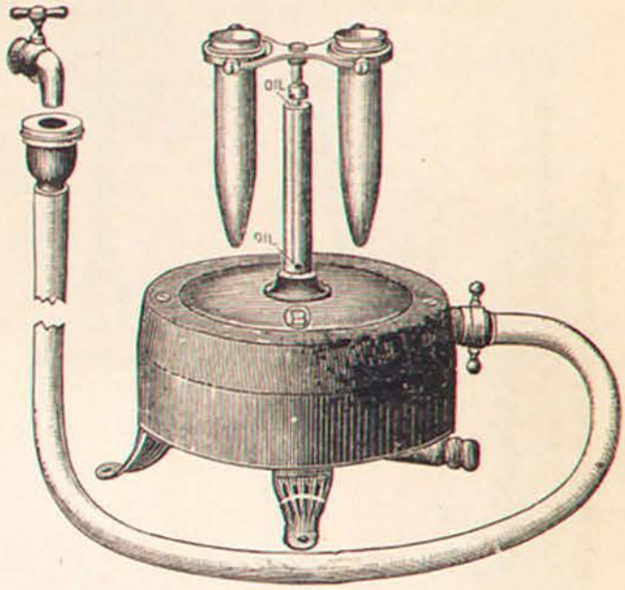


A–2555

Centrifuges and Accessories

A–2550 Hand Centrifuge, complete with one graduated and one plain 15 cc. tube.

*A–2552 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.

A–2555 Water Power Centrifuge, complete with one graduated and one plain 15 cc. tube.

A–2560 Blood Lancet, automatic, light pattern.

A–2562 Blood Lancet, automatic.

*A–2564 Blood Lancet, **Boldt's.**

A–2566 Blood Lancet, **Moore's.**

A–2568 Blood Lancet, plain reversible.

A–2570 Blood Needle, **McRae's,** for Wassermann test, with test tube.

*A–2572 Blood Pipette, **Manley's,** complete with needle and rubber tubings, 10 cc., 20 cc., 30 cc.

A–2574 Blood Pipette, automatic, for filling blood tubes.

*A–2576 Centrifuge Clamp, for attaching the centrifuge to the table.

*A–2578 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.

*A–2580 Centrifuge Guard for Haematokrit. This attachment consists of a metal shield which fits over the haematokrit, so that the revolving parts are entirely closed.

A–2585 Centrifuge, Haematokrit, **Daland's.**

A–2587 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.

*A–2590 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.

A–2592 Centrifuge Pipette. For filling milk tubes. Graduated to 1 cc.

A–2594 Centrifuge Pipette. For filling haematokrit tubes.

A–2596 Centrifuge Sedimentation Tubes. Graduated in 1-10 cc. to 10 cc., with conical end to aid in reading small deposits.

A–2598 Centrifuge Sedimentation Tubes. Ungraduated. For collecting sediments for microscopical examination.

*A–2600 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.

*A–2602 Centrifuge Sputum Tubes. For use in haematokrit frame. Same shape as percentage tubes. Ungraduated.

A–2604 Milk Bottle, **Babcock's,** for 10 per cent fat.

A–2606 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.


A-2650

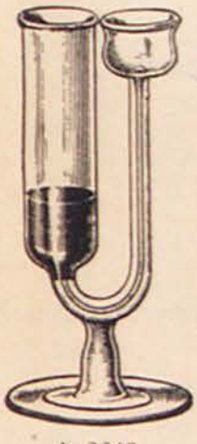

A-2665


A-2658


A-2656


A-2630


A-2670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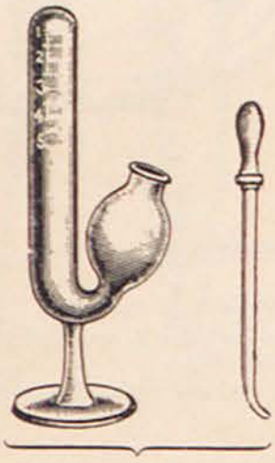
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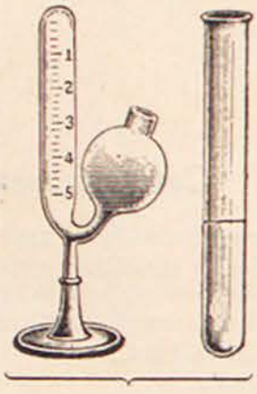
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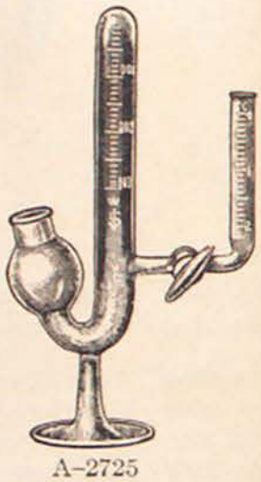
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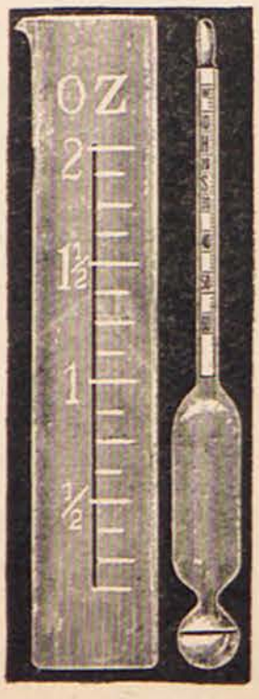
A-2730



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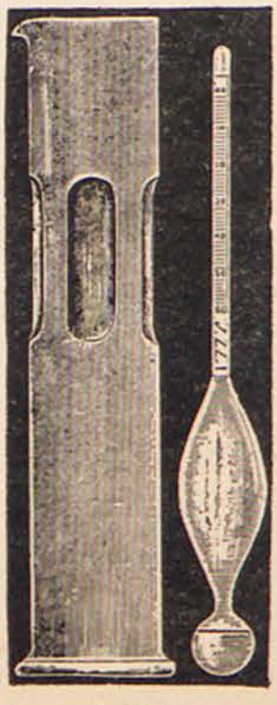
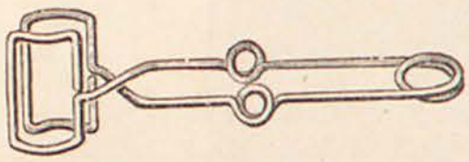
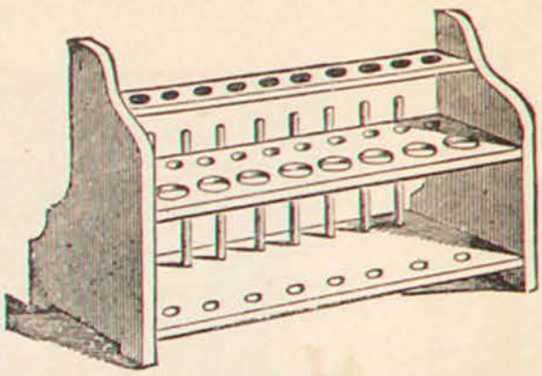

A-2740



A-2745



A–2675



A–2680



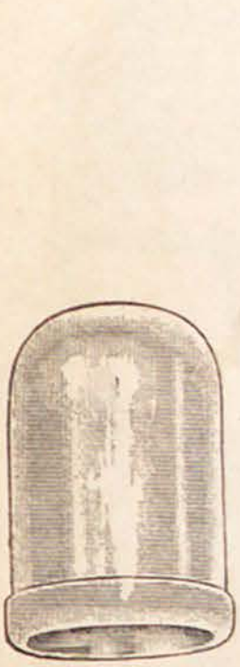
A–2755



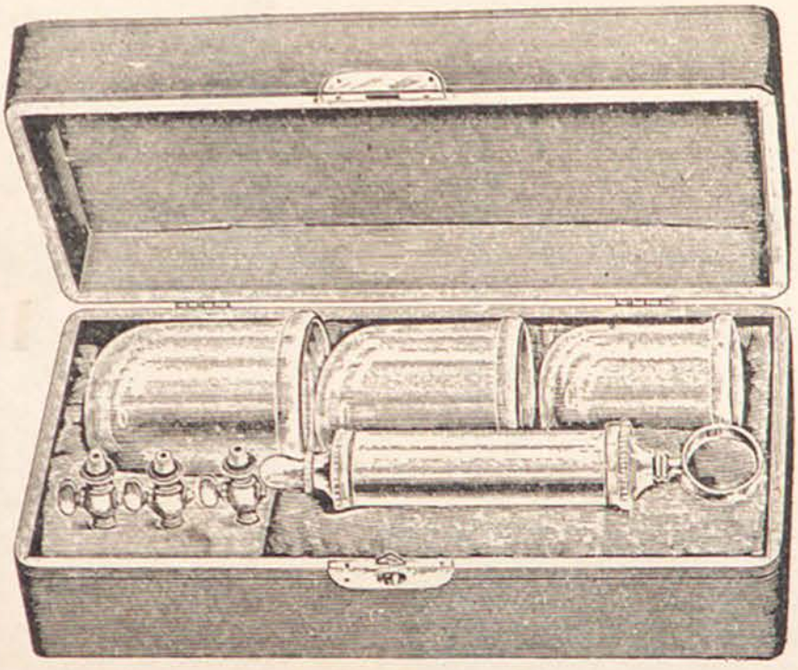
A–2635

Apparatus for Urinalysis

A–2630 Albuminometer, **Esbach's,** for quantitative estimation of albumen in urine.
A–2635 Albuminometer, **Esbach's,** on wood stand.
A–2640 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.
A–2650 Fermentation Tube, ungraduated.
*A–2651 Fermentation Tube, graduated.
A–2656 Pipette, ordinary, per dozen.
A–2658 Pipette, long, 8 inches, 12 inches.
A–2660 Saccharometer, **Einhorn's,** fermentation.
A–2665 Sedimentation Glasses, conical, 100 cc. capacity.
A–2670 Test Tubes, 4 inches, 5 inches and 6 inches, per dozen.
A–2675 Test Tube Holder, wire.
A–2680 Test Tube Rack, to hold 10 tubes.
*A–2685 Test Paper, Congo, dozen books in box.
*A–2690 Test Paper, Litmus, blue.
*A–2700 Test Paper, Litmus, red.
*A–2705 Test Pencil, Litmus, red and blue.
A–2710 Urea Apparatus, **Squibb's,** for estimation of urea in urine by displacement. Complete, with 50 cc. bottle of reagent.
A–2712 Ureometer, **Doremus',** for rapidly estimating amount of urea by hypobromate method. With graduated pipette and graduated fermentation tube on foot.
*A–2715 Ureometer, **Doremus',** same as above, without foot.
*A–2720 Ureometer, **Doremus-Hinds',** improved form with glass stopcock 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.
A–2725 Ureometer, **Doremus-Hinds',** on glass foot.
A–2730 Urinometer, plain.
A–2735 Urinometer, milk glass scale, and graduated jar.
A–2740 Urinometer, **Squibb's** pattern.
A–2745 Urinometer, with thermometer.
A–2755 Urine Test Set, complete with reagents, as illustrated.
*A–2765 Urine Test Set, **Douglass',** same as above but with removable glass base plate of opal glass.



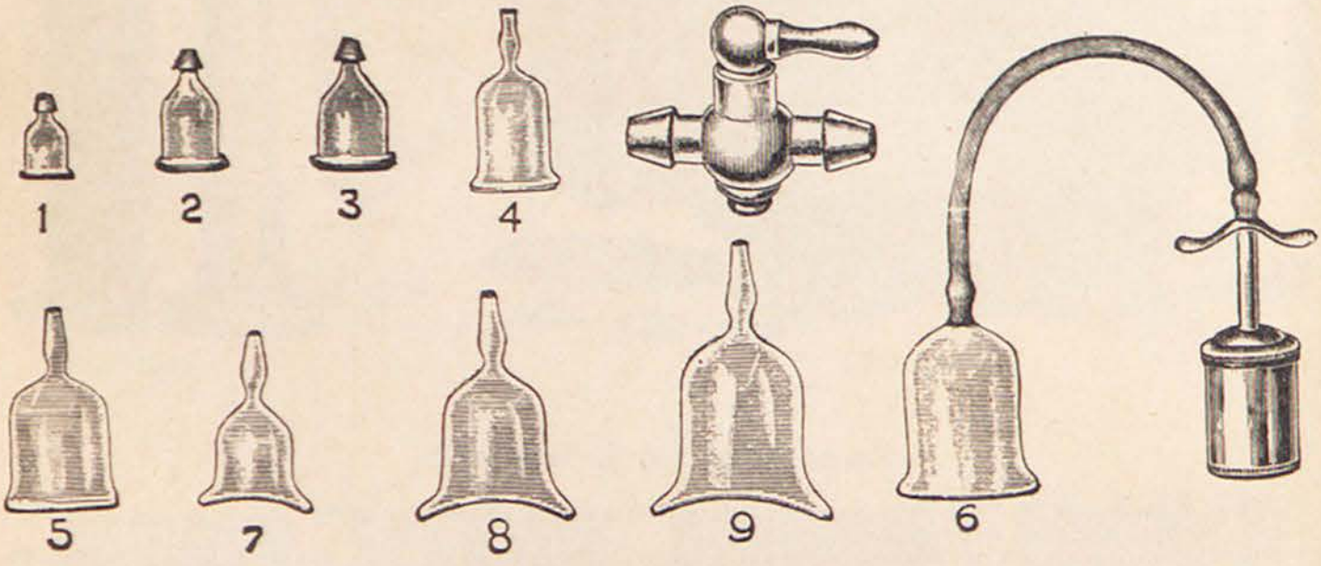
A–2795



A–2810



A–2800



A–2820-2825

Cupping Cups

*A–2790 Congester, penis, soft rubber tube and metal pump, with release valve and stopcock.

A–2795 Cupping Cups, glass, plain, 3 sizes.

A–2800 Cupping Cups, glass, plain, with stopcock, 3 sizes.

*A–2805 Cupping Cups, with soft rubber suction bulb, 3 sizes.

A–2810 Cupping Set, with 3 glass cups and stopcocks, metal suction pump, in case.

A–2815 Cupping Set, complete with 4 cupping cups, 1 breast developer, and 1 penis congester with rotary suction pump.

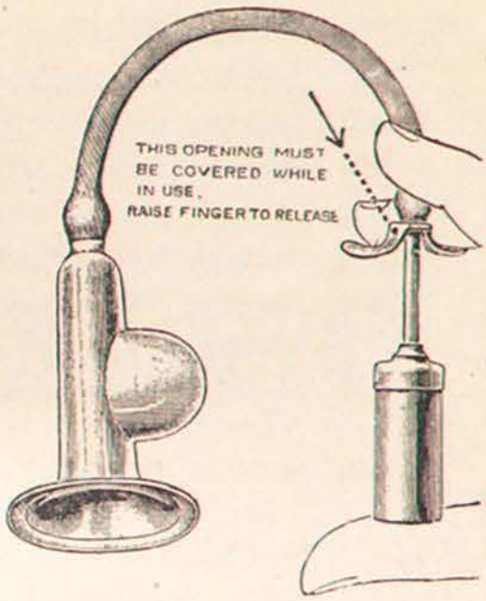
A–2820 Cupping Set, **Yale,** with Yale vacuum pump, 3 cups, Nos. 4, 5 and 6, in leatherette covered box.

A–2825 Cupping Set, **Yale,** with Yale vacuum pump, cups Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, stopcock and tubing as illustrated.

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



A–2835



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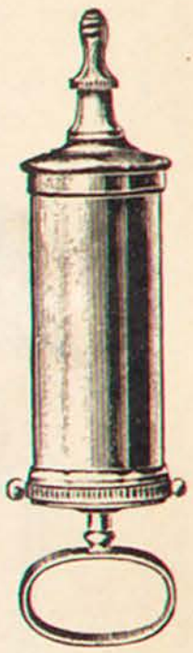

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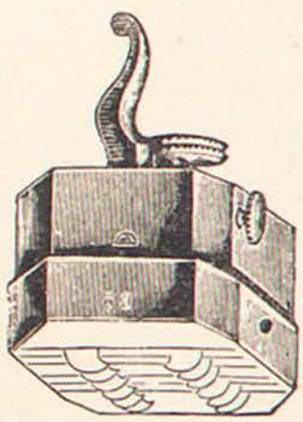
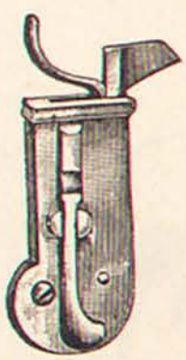
A–2865



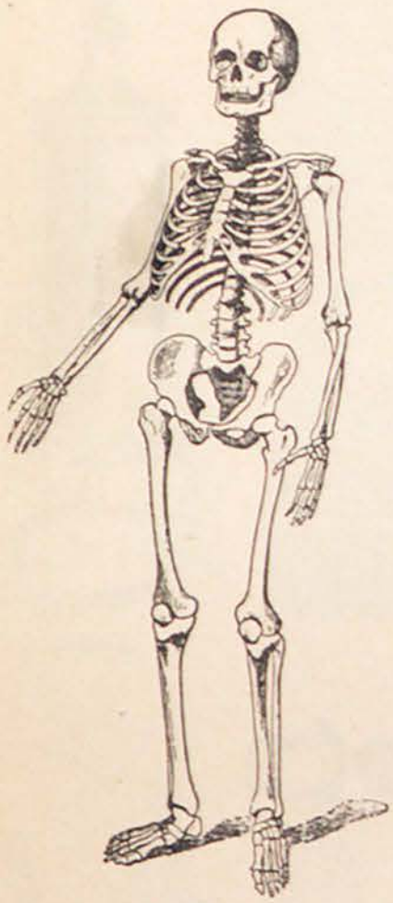
A–2875-2880



A–2885

Cupping Pumps, Breast Developers, Scarificators

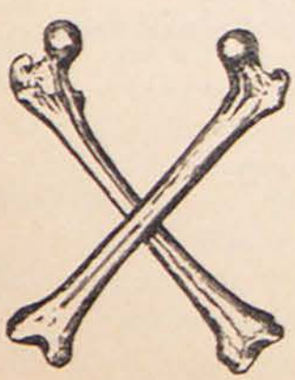
*A–2830 Developer, Breast, glass, with rubber bulb.
A–2835 Developer, Breast, glass, with metal suction pump and stopcock.
*A–2840 Developer, Breast, glass, with metal rotary suction pump and release valve.
*A–2850 Pump, Breast, glass, with rubber bulb.
*A–2855 Pump, Breast, glass, with rotary metal suction pump.
A–2860 Pump, Breast, **Yale.**
A–2862 Pump, suction, small, medium and large.
A–2865 Scarificator, **Baunscheidt's,** for counter irritation.
A–2870 Scarificator, reversible, 12 blade.
A–2875 Scarificator, reversible, 10 blade.
A–2880 Scarificator, reversible, 8 blade.
A–2885 Spring Lancet, fine, in case.



A-2953-2958



A-2975-2977



A-3015

Osteological Preparations

*A-2950	Skeleton, disarticulated, ordinary.
*A-2951	Skeleton, disarticulated, selected.
*A-2952	Skeleton, disarticulated, extra fine.
A-2953	Skeleton, German articulation, ordinary.
A-2954	Skeleton, German articulation, selected.
A-2955	Skeleton, German articulation, extra fine.
A-2956	Skeleton, **Tramond's,** best French articulation, ordinary.
A-2957	Skeleton, **Tramond's,** best French articulation, selected.
A-2958	Skeleton, **Tramond's,** best French articulation, extra fine.
*A-2970	Skeleton, foetal, mounted on stand.
*A-2972	Skull, disarticulated, in pasteboard box, ordinary.
*A-2973	Skull, disarticulated, in pasteboard box, selected.
*A-2974	Skull, disarticulated, in pasteboard box, extra fine.
A-2975	Skull, plain, lower jaw articulated, ordinary.
A-2976	Skull, plain, lower jaw articulated, selected.
A-2977	Skull, plain, lower jaw articulated, extra fine.
*A-2979	Skull, 2 cut, articulated, fine.
*A-2981	Skull, 5 cut, articulated, fine.
*A-2983	Skull, 7 cut, articulated, fine.
*A-2985	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.
*A-2990	Skull, foetal.
*A-2995	Spinal column, articulated on catgut.
*A-2997	Pelvis, female, without ligaments.
*A-2999	Pelvis, female, with ligaments.
*A-3000	Arm and Hand, articulated.
*A-3005	Hand, articulated with catgut.
*A-3007	Leg and Foot, articulated.
*A-3010	Foot, articulated with catgut.
A-3015	Cross Bones (femurs), per pair.
*A-3020	Temporal Bone, bisected through the mastoid, etc.
*A-3025	Iron Stand, finished in aluminum bronze, adjustable to any height, for suspending skeleton.

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.



B–1



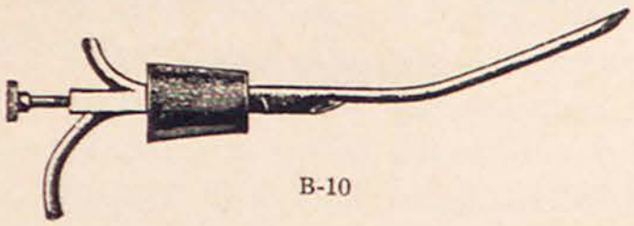
B–3-5



B–7



B–9



B-10

Anaesthesia Accessories

Drop Bottles, Droppers

B–1 **Esmarch's.**

B–3 Crystal, flat stopper, 100 cc.

B–5 Amber, flat stopper, 100 cc.

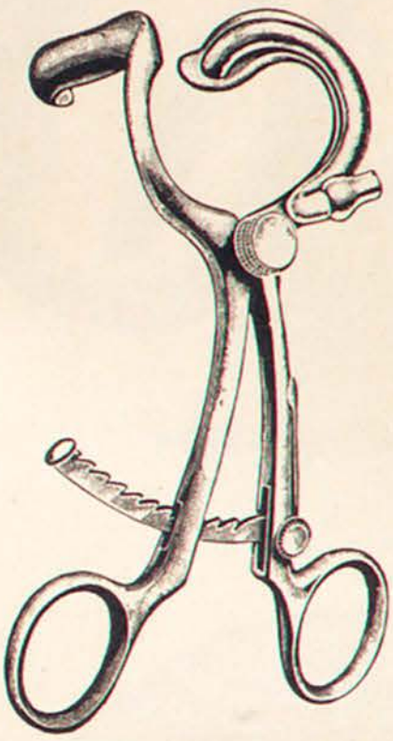
B–7 Crystal, with white enameled label Chloroform, 60 cc., 150 cc.

B–9 Crystal, with white enameled label, Ether, 60 cc., 150 cc.

B–10 Dropper, **Pinneo's,** regulating, 4½ inches, 7 inches.



B–15



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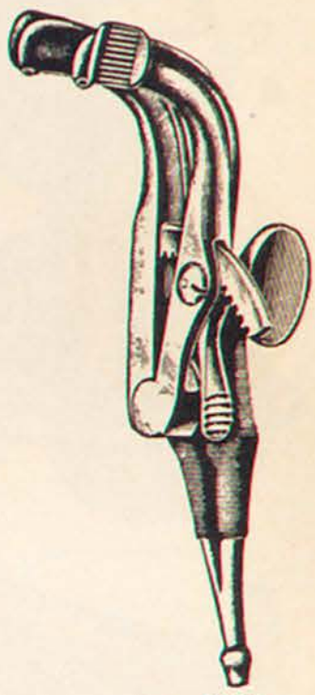

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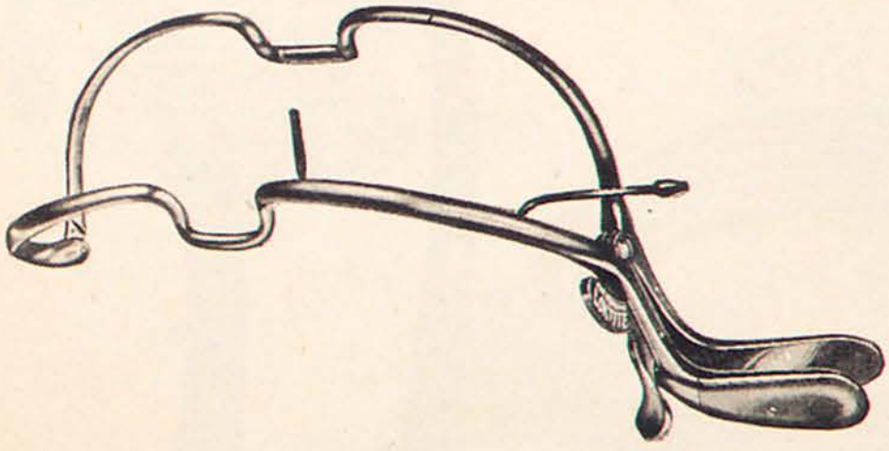


B–30



B-35

Gags with Anaesthesia Attachment

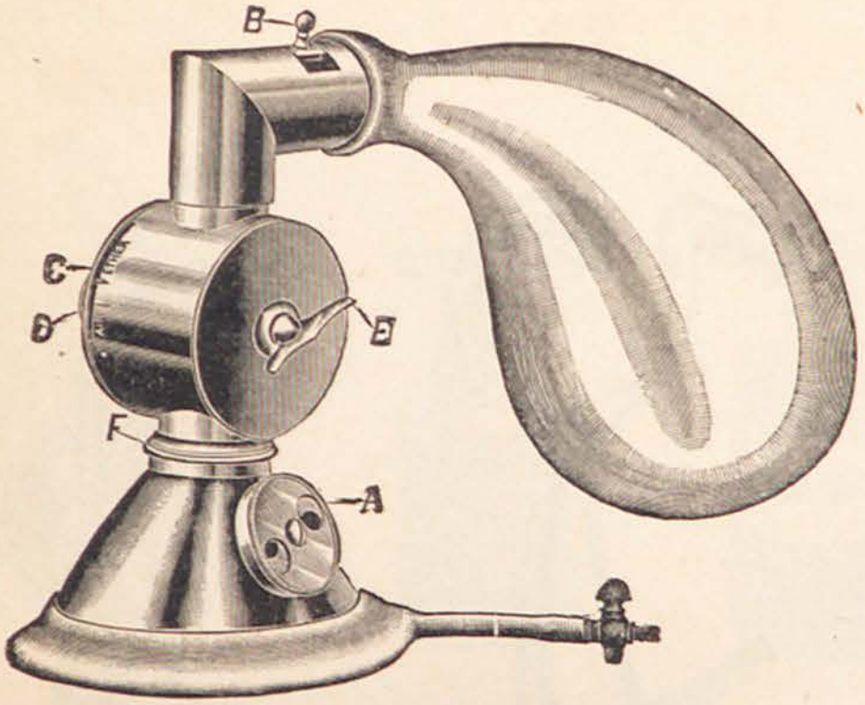
B–15 Gag, **Denhard's,** with anaesthetic tube.

B–20 Gag, **Doyen's,** with anaesthetic tube.

B–25 Gag, **Ferguson's,** with anaesthetic tube.

B–30 **Jenning's,** with anaesthetic tube.

B–35 Screw, oral, hard rubber, for forcing the mouth open.



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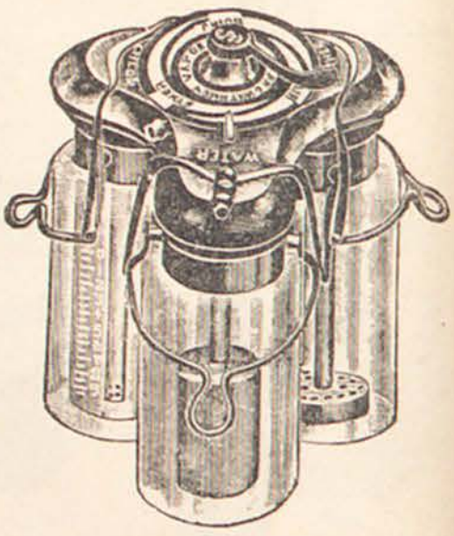

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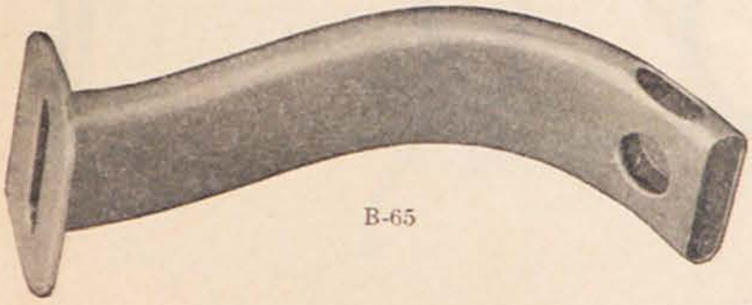
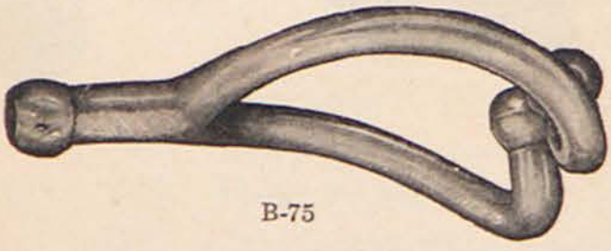


B-65



B-68



B-75



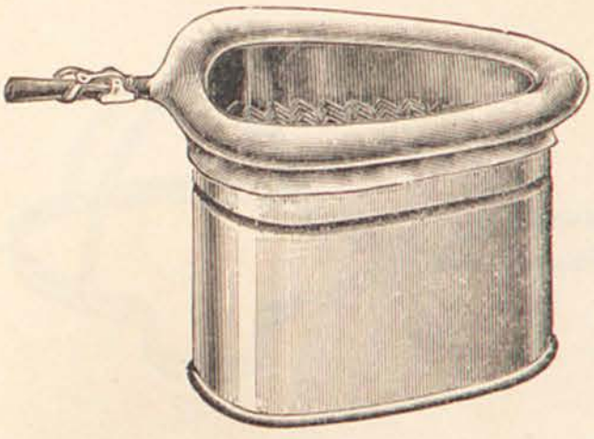
B-70



B-71

Gas-Ether Inhalers, Airways and Tubes

B–50 **Bennett's,** gas-ether, in case or without case.
*B–55 **Gwathmey's,** gas-ether, original.
B–60 **Gwathmey's,** three bottle.
B–65 **Connell's** Airway.
B–68 **Lumbard's** Airway.
B–70 **Gwathmey's** Mouth Hook Tube, long.
B–71 **Gwathmey's** Mouth Hook Tube, short.
B–75 **Sanford's** Nasal Tube, double.



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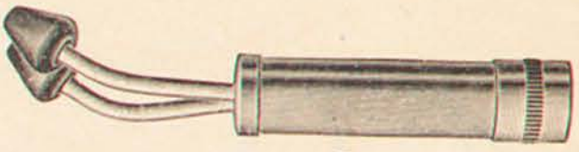
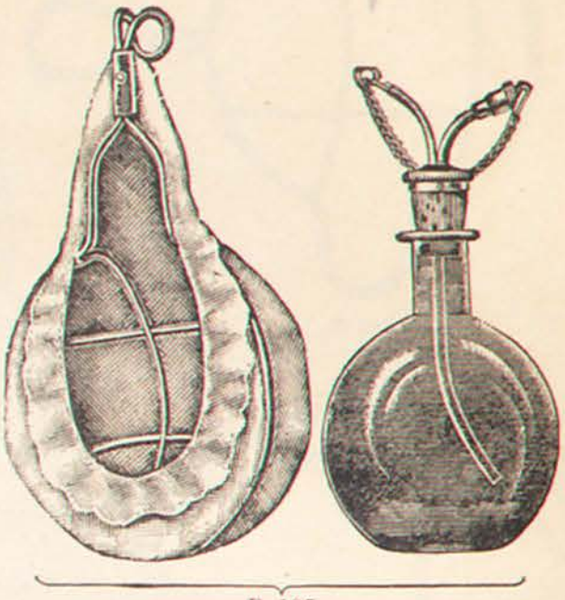


B–103



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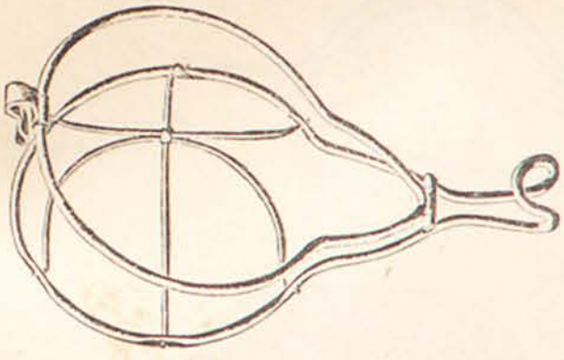

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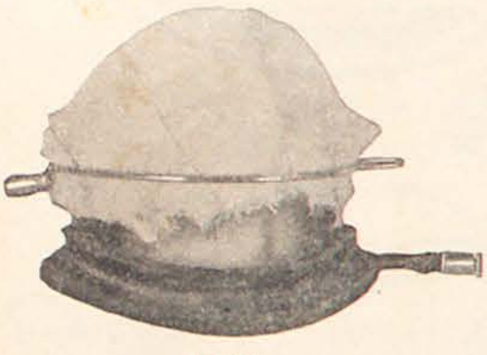
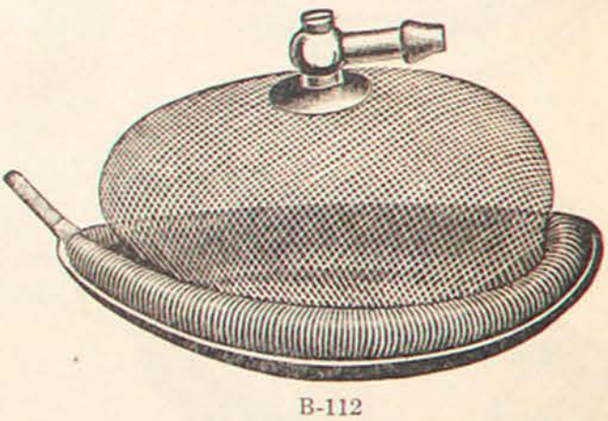
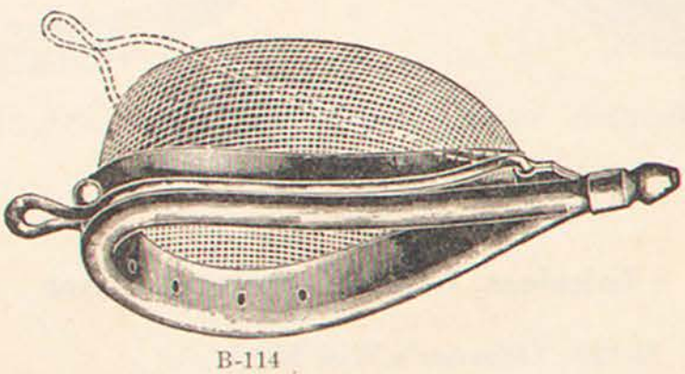


B-110



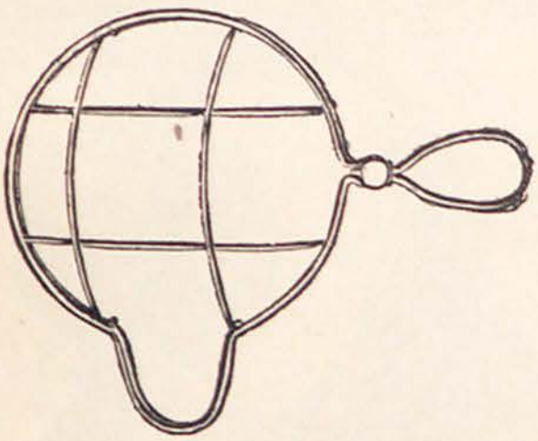
B-112



B-114

Inhalers, Chloroform, Ether and Vapor

*B–100 **Allis',** improved, metal, nickel-plated.
*B–101 **Allis',** improved, aluminum.
B–102 **Allis',** improved, aluminum with inflating rubber face cushion.
B–103 **Bennett's,** for obstetrical use.
B–105 **Esmarch's,** with drop bottle and cover.
B–106 **Esmarch's,** folding with cover.
B–110 **Gwathmey's,** with cover and inflatable rubber face cushion.
B–112 **Gwathmey-Yankauer's** Vapor Mask.
B–114 **Lumbard-Yankauer's** Vapor Mask.



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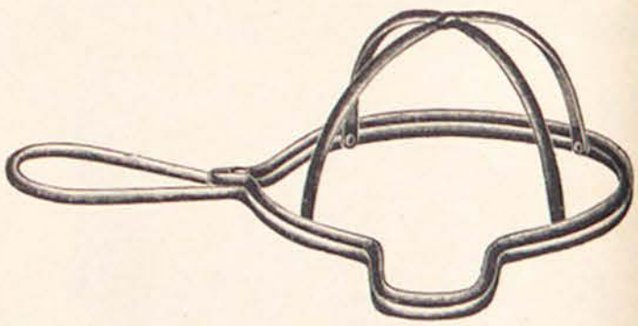
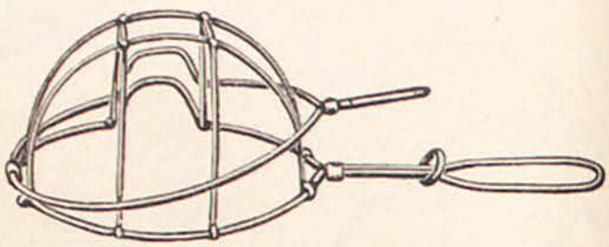
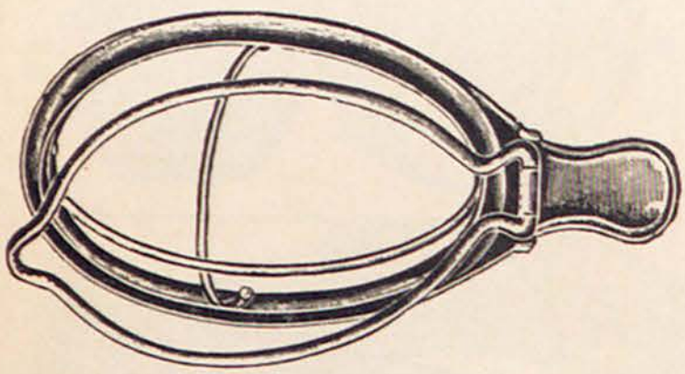


B–125



B–130



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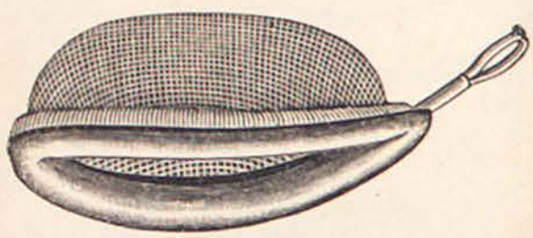

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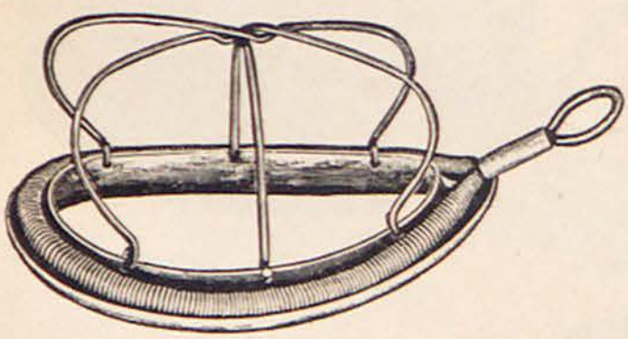

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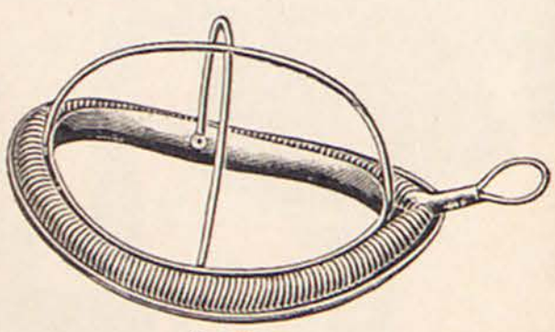
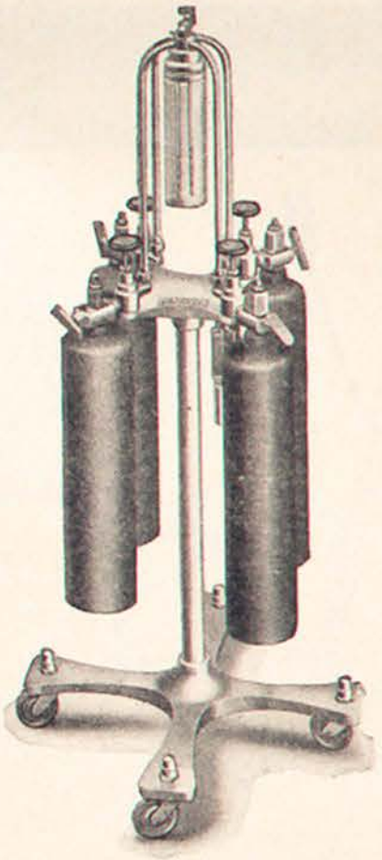


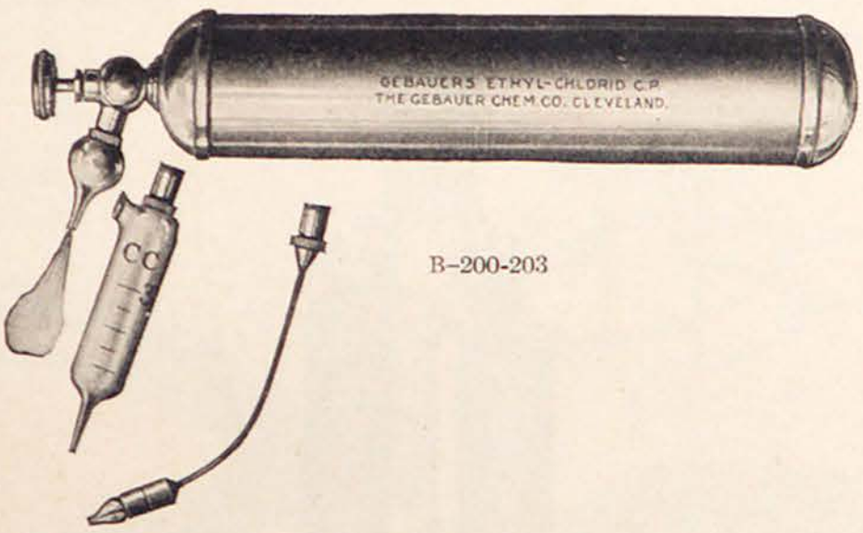
B–150

Inhalers, Chloroform and Ether

B–120 **Ochsner's** Wire Mask.
B–125 **Ochsner's** Folding Mask.
B–130 **Sander's** Mask only.
B–135 **Schimmelbusch's** Folding Mask.
B–140 **Yankauer's** Mask only.
B–145 **Yankauer's** Folding Mask.
B–150 **Yankauer's** Simplex Folding Mask.



Complete Catalogues on Gas-Oxygen-Ether Anaesthesia Apparatus will be sent on request



B–200-203

"Gebauer's" Ethyl Chloride

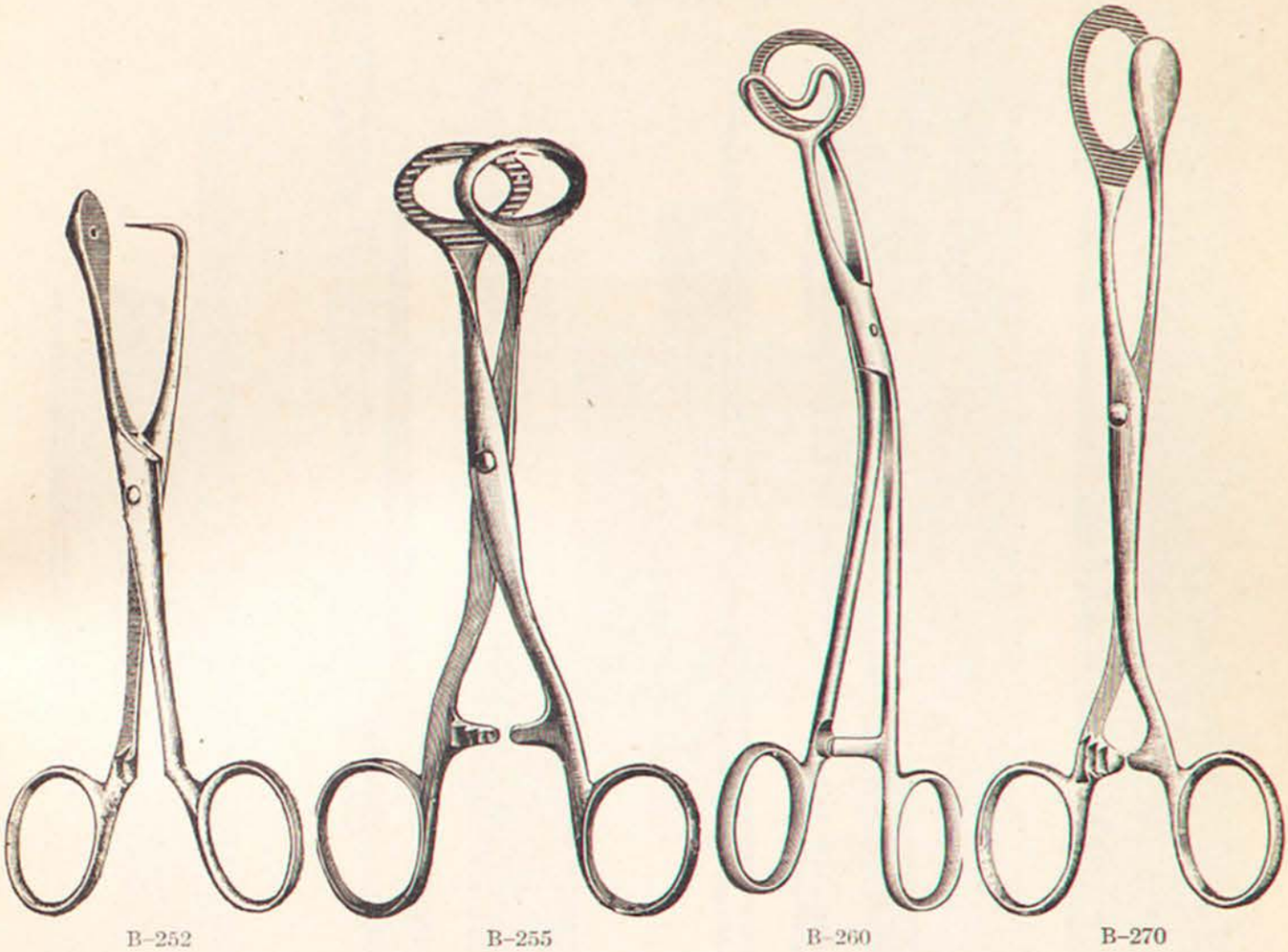
B–200 **Gebauer's** Ethyl Chloride, 40 grm. tube with ordinary spraying nozzle.

B–201 **Gebauer's** Ethyl Chloride, 100 cc. tube with ordinary spraying nozzle.

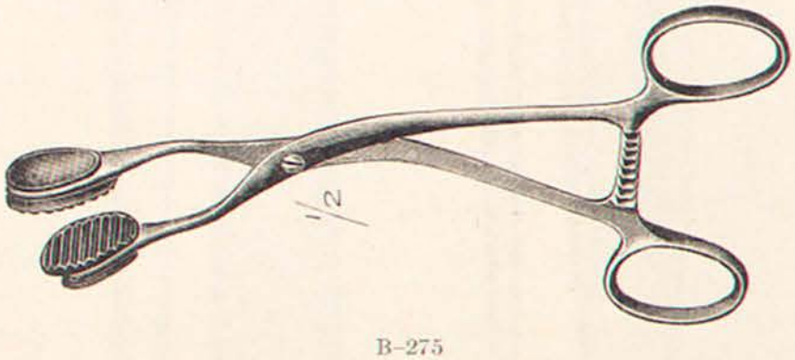
B–202 **Gebauer's** Flexible Spraying Nozzle alone.

B–203 **Gebauer's** Graduated Dropper.

*B–204 **Gebauer's** Inhaler, for Ethyl Chloride by the drop method.



B–252 B–255 B–260 B–270

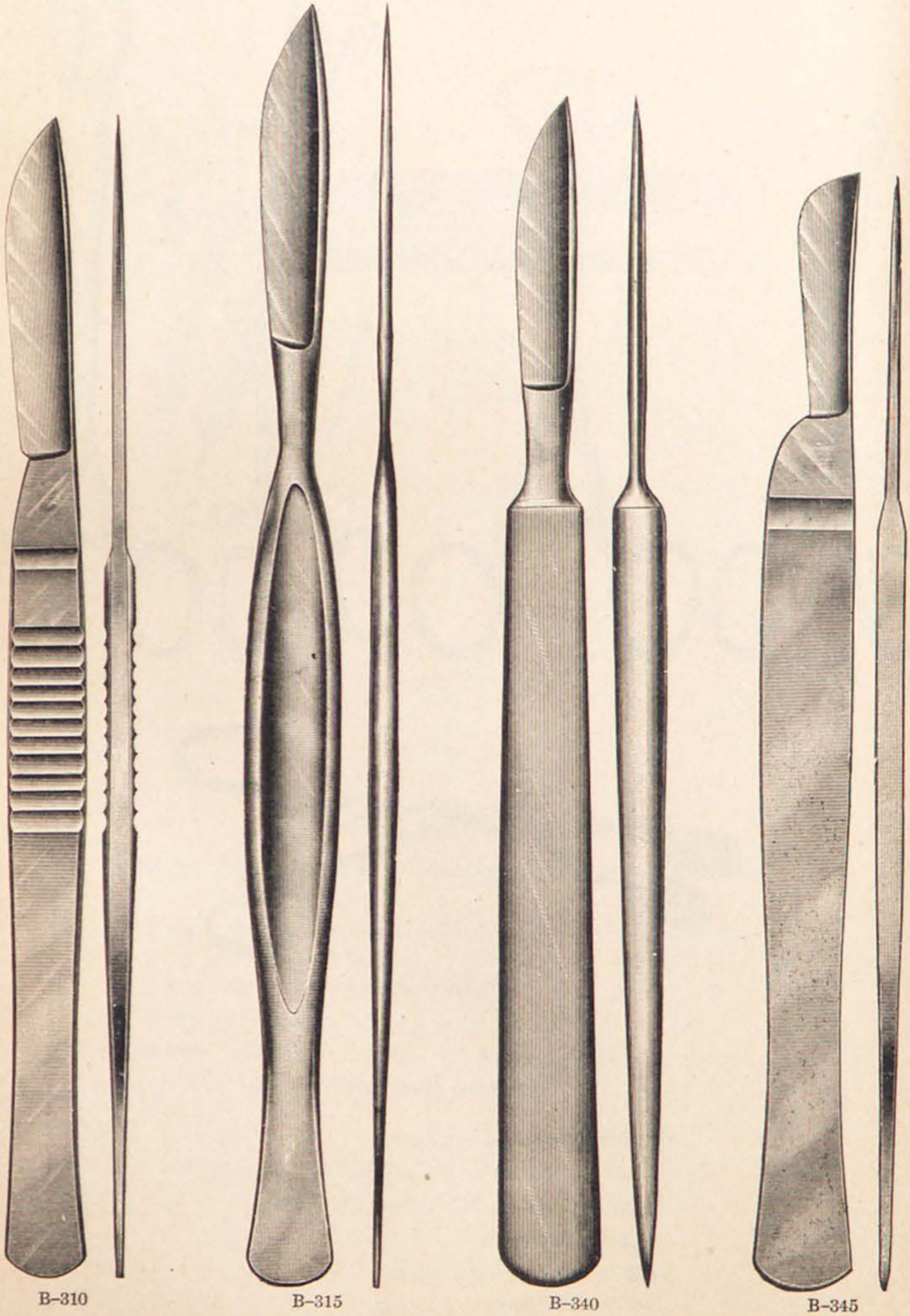


B–275

Tongue Forceps

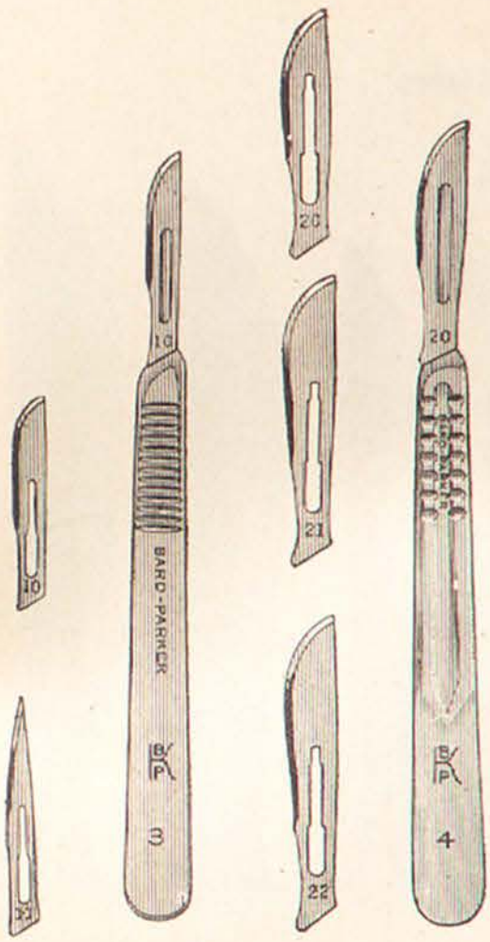
*B–250 **Berger's,** 5½ inches.
B–252 **Carmalt's,** 5½ inches.
B–255 **Collins',** 6½ inches, 7¾ inches.
B–260 **Haslam's.**
*B–265 **Houze's,** 6¼ inches.
B–270 **Mathieu's,** 7 inches.
B–275 **Young's,** with soft rubber tips.

Operating Knives

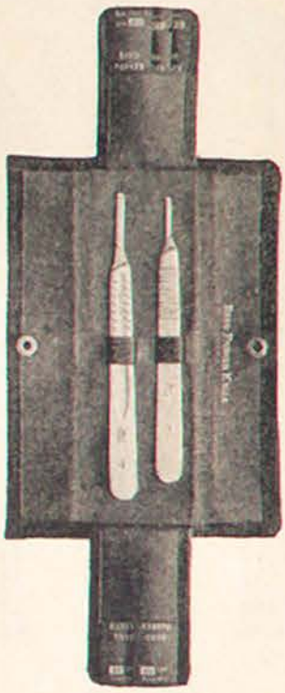


B–310 B–315 B–340 B–345

NOTE: For blade styles and numbers see ensuing pages.



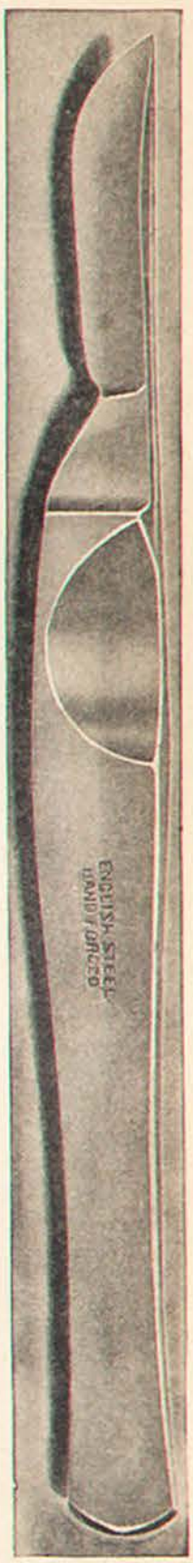
B–300-302



B–305



B–325



B–330

Operating Knives

B–300 **Bard-Parker** Knife, with removable blades, handle No. 3.

B–301 **Bard-Parker** Knife, with removable blades, handle No. 4; blades Nos. 10 and 11 fit handle No. 3; blades Nos. 20, 21 and 22 fit handle No. 4.

B–302 **Bard-Parker** Blades, in packages containing 6 of one size.

B–305 **Bard-Parker** Knives, complete set in leather case containing 1 handle No. 3, 1 handle No. 4, 6 blades each, Nos. 10, 11, 20, 21 and 22.

B–310 **English** pattern, furnished in all style blades.

B–315 **Haslam's** pattern, furnished in all style blades.

*B–320 **Jefferson** pattern, furnished in all style blades.

B–325 **Littauer's** Scalpels, English blades, 1 inch, 1¼ inch, 1½ inch, 1¾ inch.

B–330 **Littauer's** Scalpels, Weiss blades, 1 inch, 1¼ inch, 1½ inch, 1¾ inch.

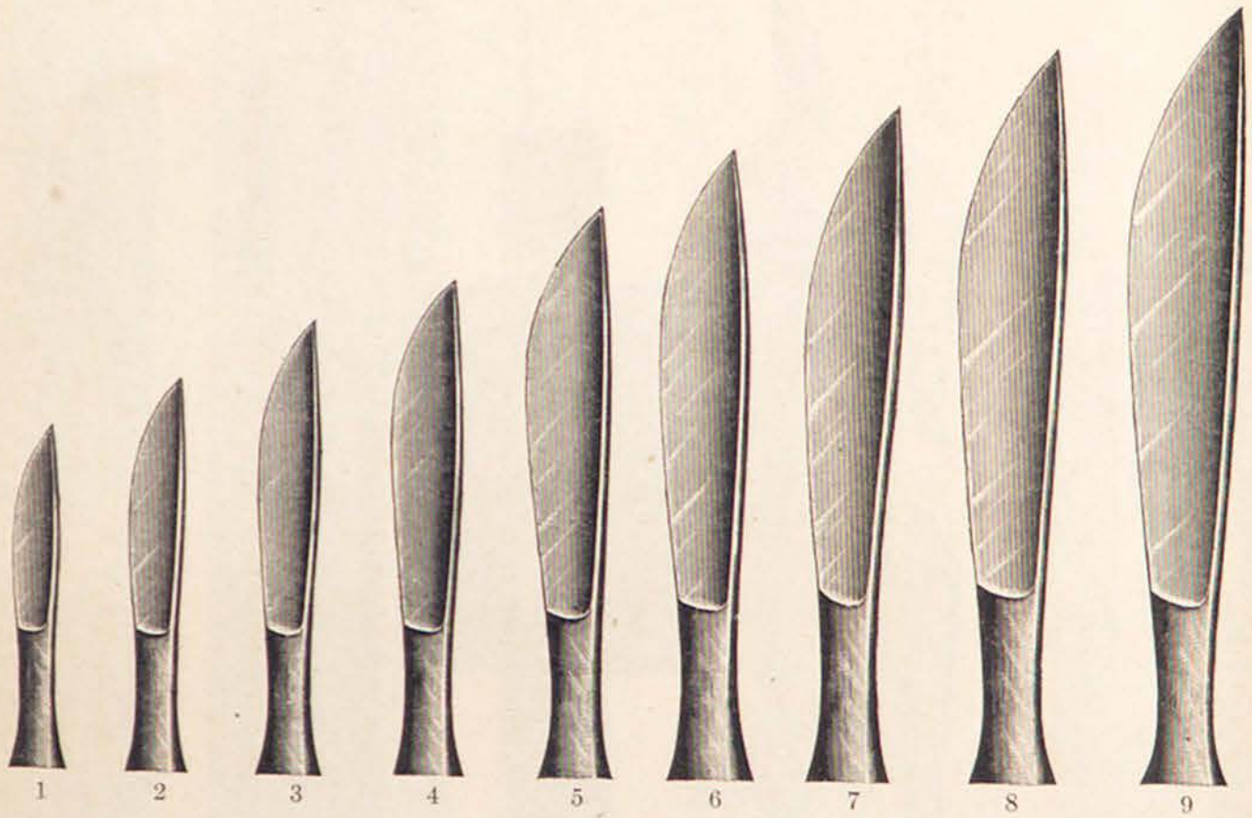
B–335 **Littauer's** Scalpels, in wood cases holding 3, 6 and 12 knives.
Littauer's knives are furnished also in straight and curved sharp bistouries and straight tenatomes.

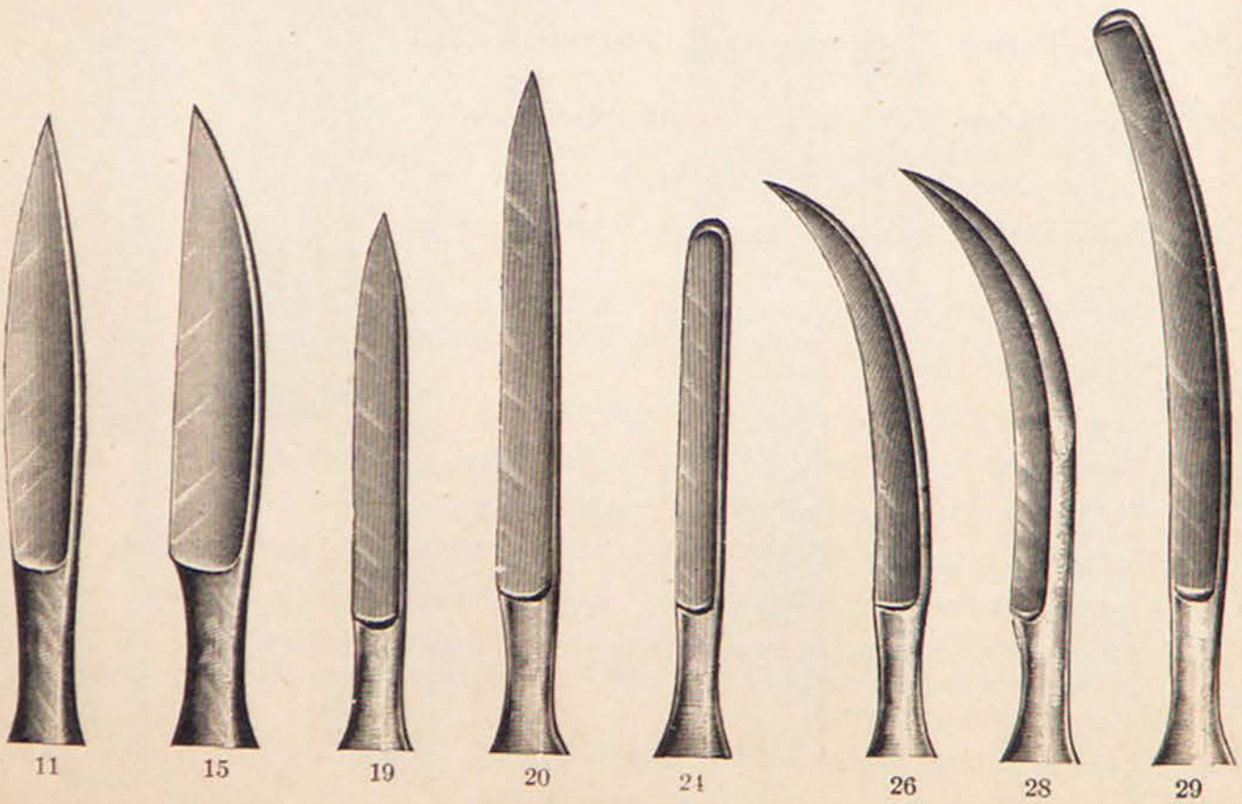
B–340 **Luer's** pattern, furnished in all style blades.

B–345 **Swedish** pattern, furnished in all style blades.

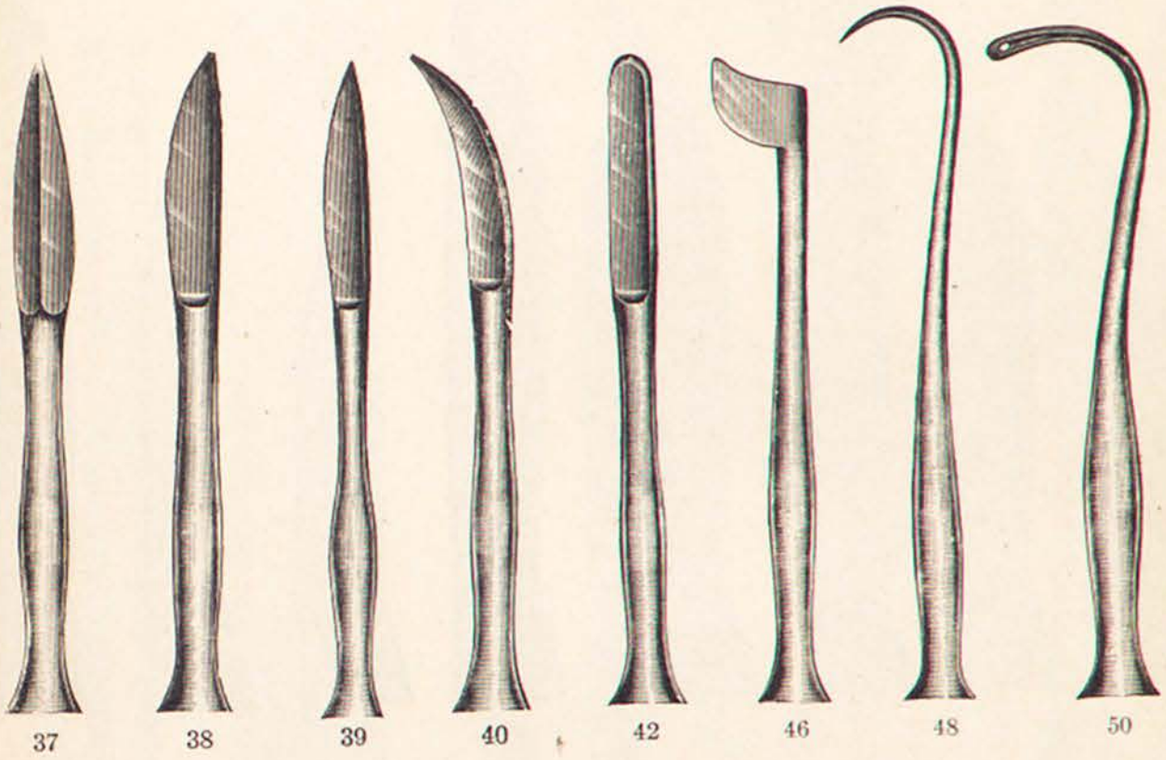
NOTE: For blade styles and numbers, see ensuing pages.

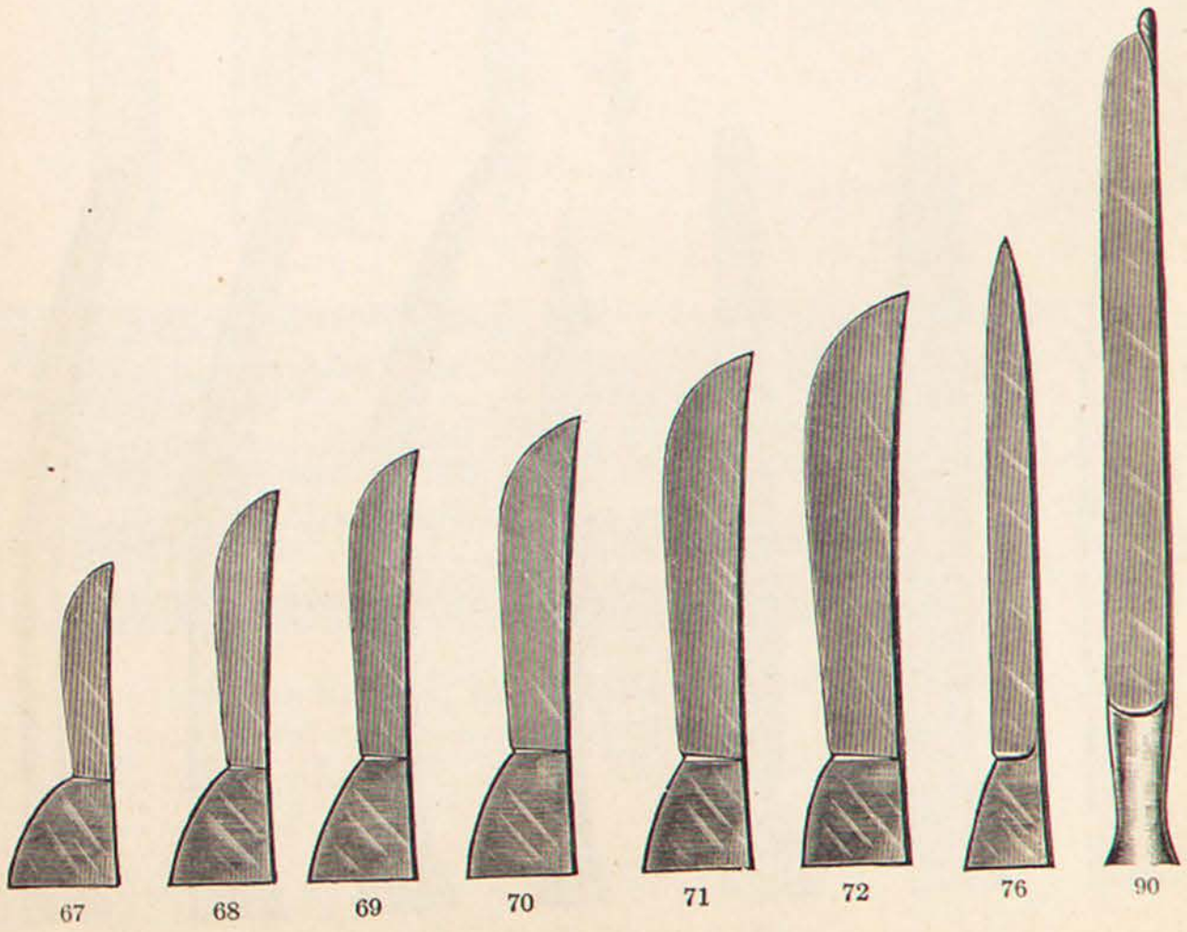
Operating Knife Blades



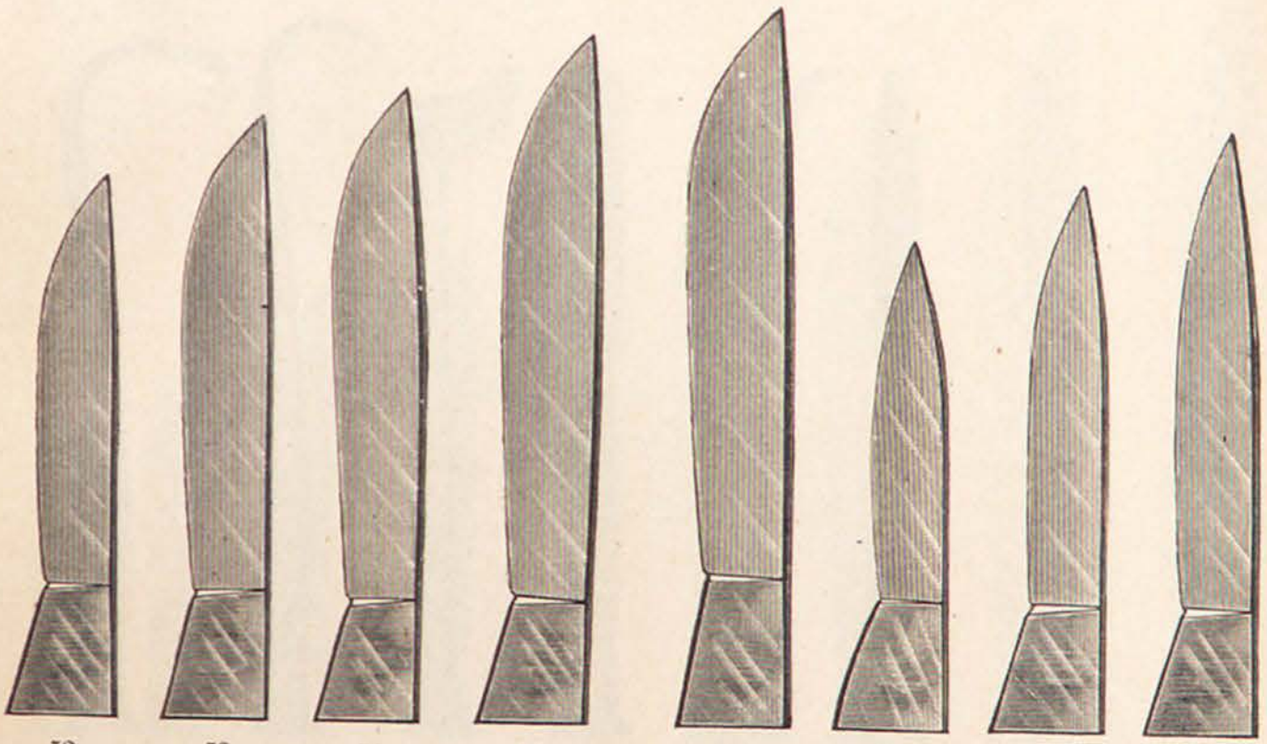


Operating Knife Blades

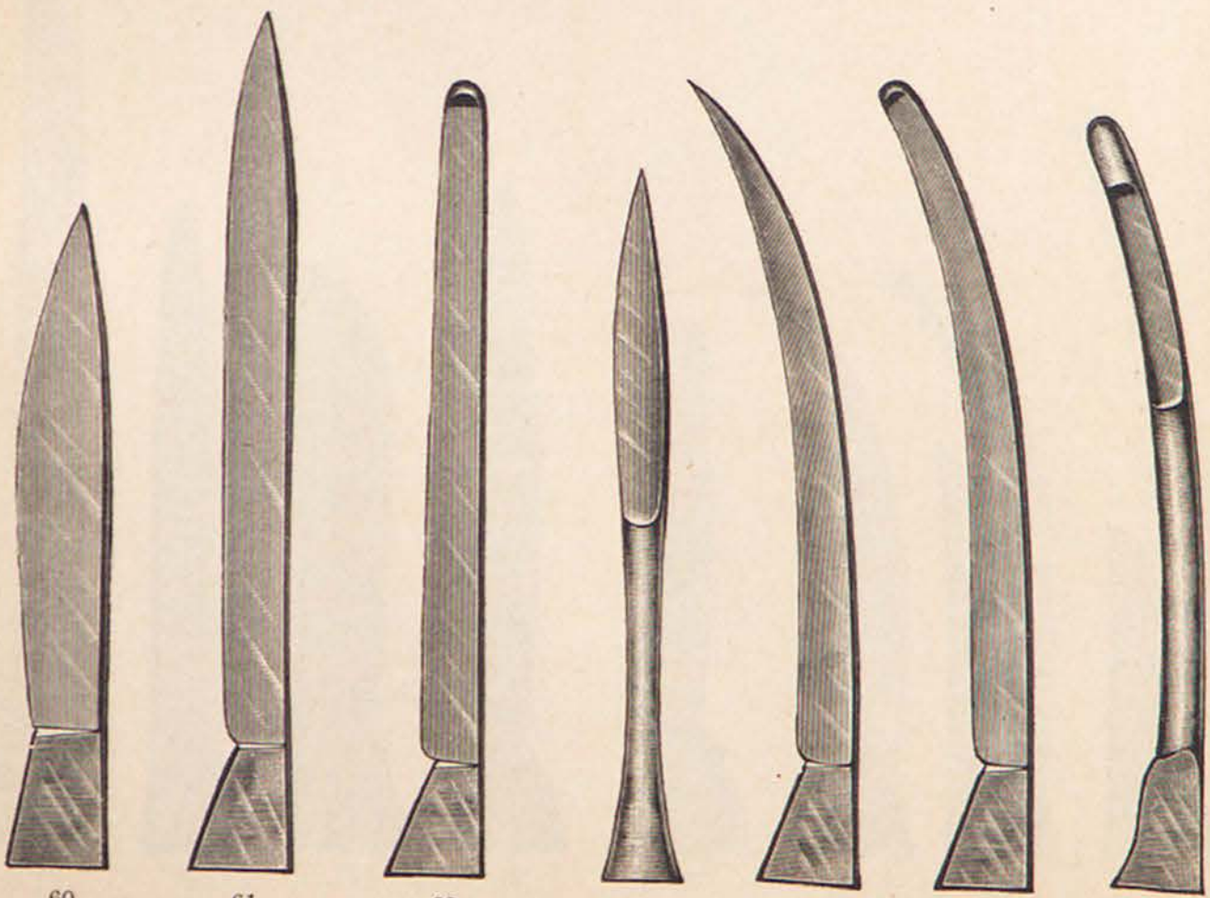




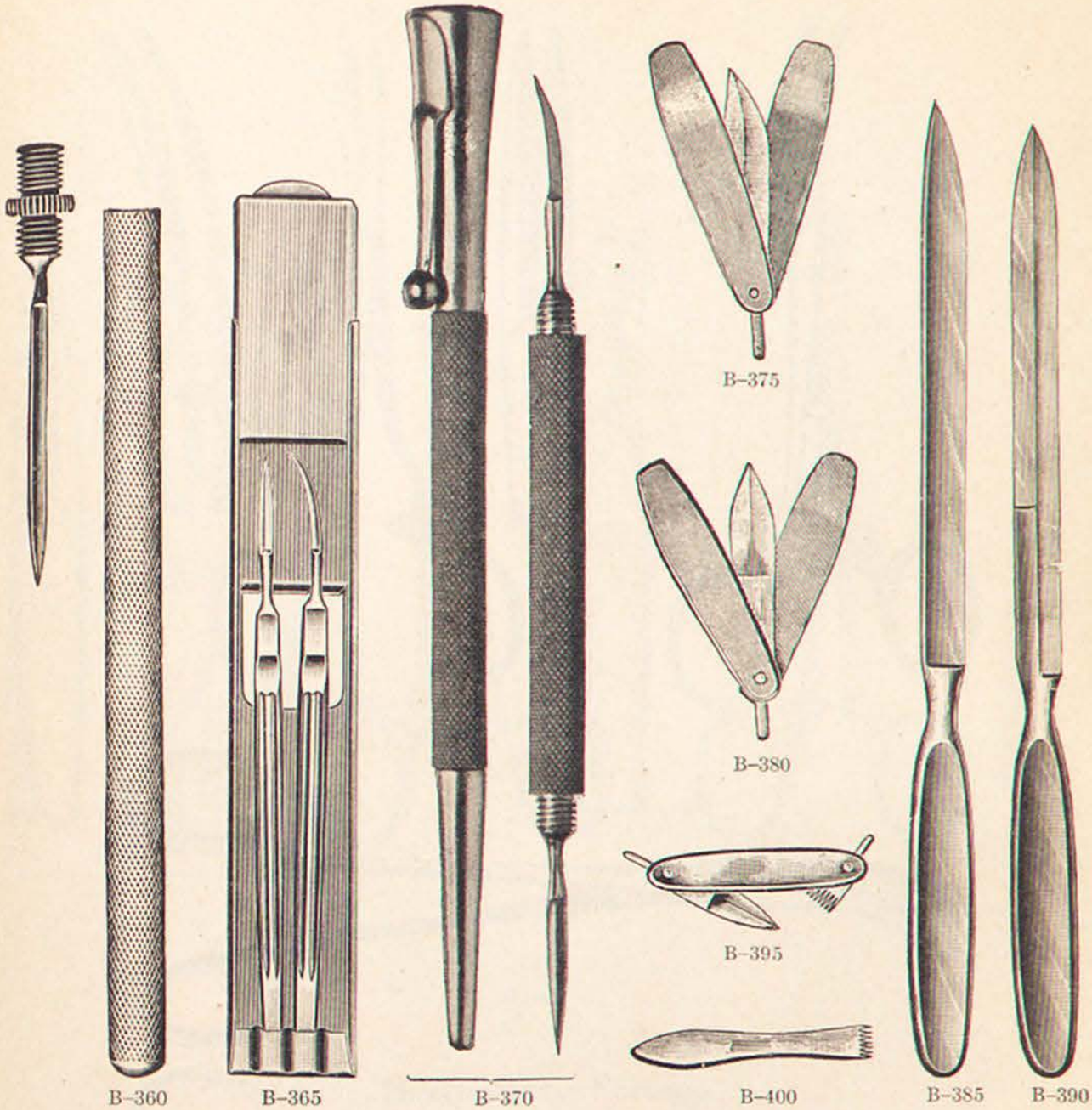
Operating Knife Blades



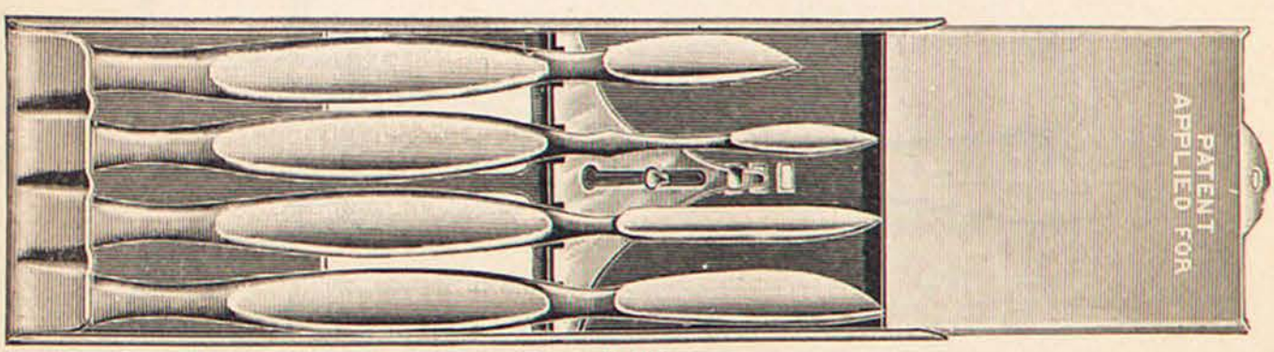
52 53 54 55 56 57 58 59



60 61 62 63 64 65 66



B–360 B–365 B–370 B–375 B–380 B–395 B–400 B–385 B–390



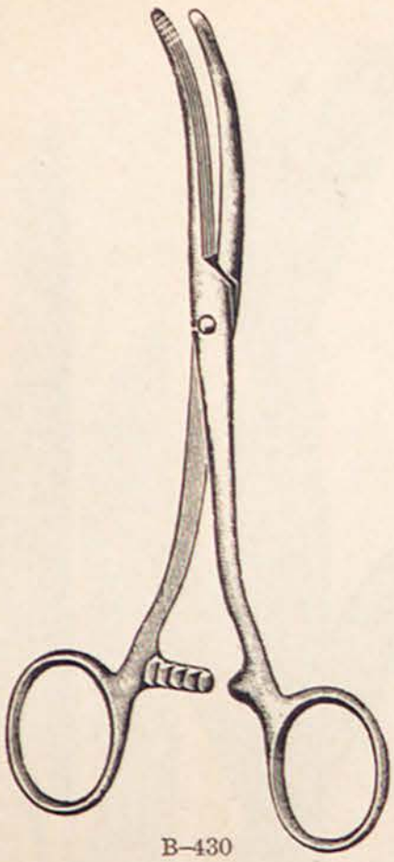
B–405

Abscess Knives, Amputating Knives and Lancets

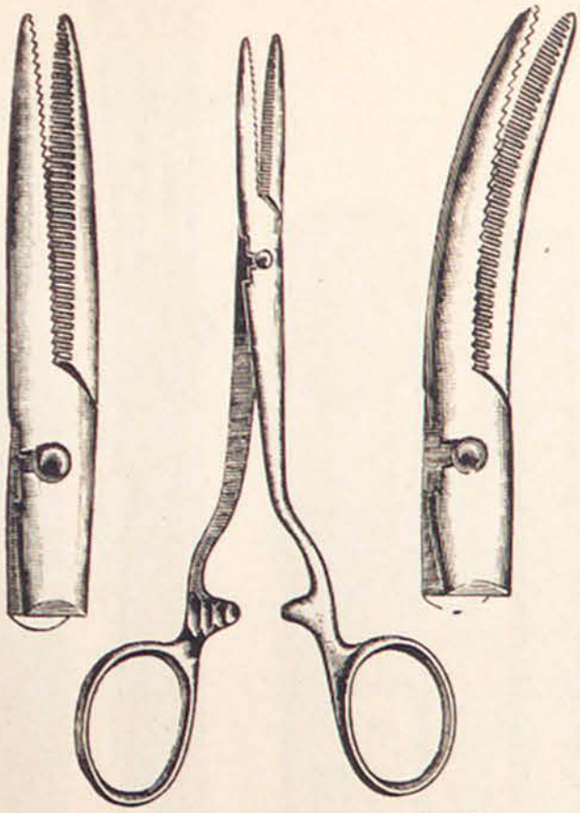
B–360 Abscess Knife, reversible, pencil case, single or double edge.
B–365 Abscess Knife Set, 1 straight and 1 curved, in metal holder.
B–370 Abscess Knife Set, **Vaughan's**, in pencil case, nickel or gold plated.
B–375 Abscess Lancet, folding, metal handle.
B–380 Abscess Lancet, folding, metal handle.
B–385 Amputating Knives, short, medium and long.
B–390 Amputating Knives, catlins, short, medium and long.
B–395 Vaccinating Lancet and Comb, folding, metal handle.
B–400 Vaccinating Comb or Scratcher.

Knife Holders, Metal

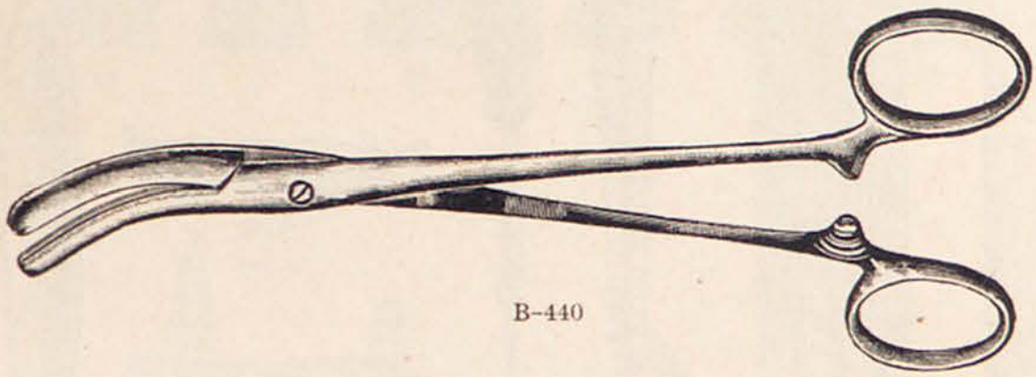
B–405 Adjustable Knife Holder, sliding cover for 1, 2, 3, 4, 5 and 6 knives; the rack of this holder can be adjusted to fit almost any style of knife



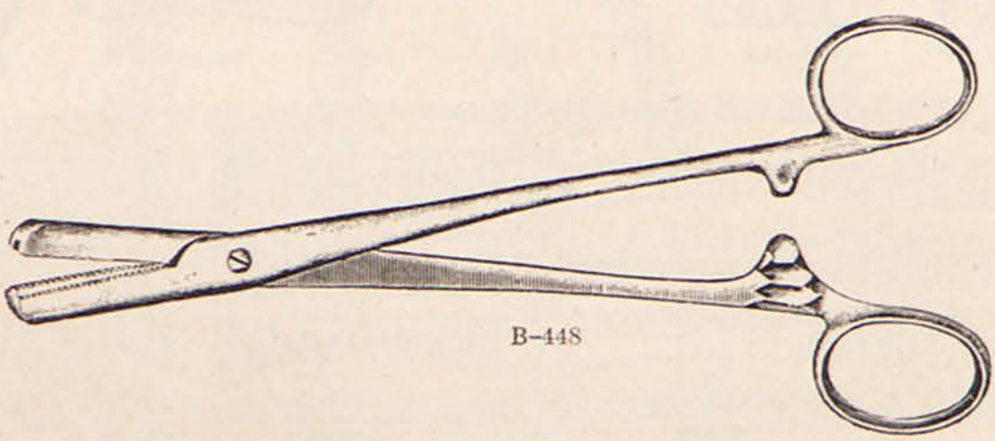
B–430



B–435 B–435 B–436



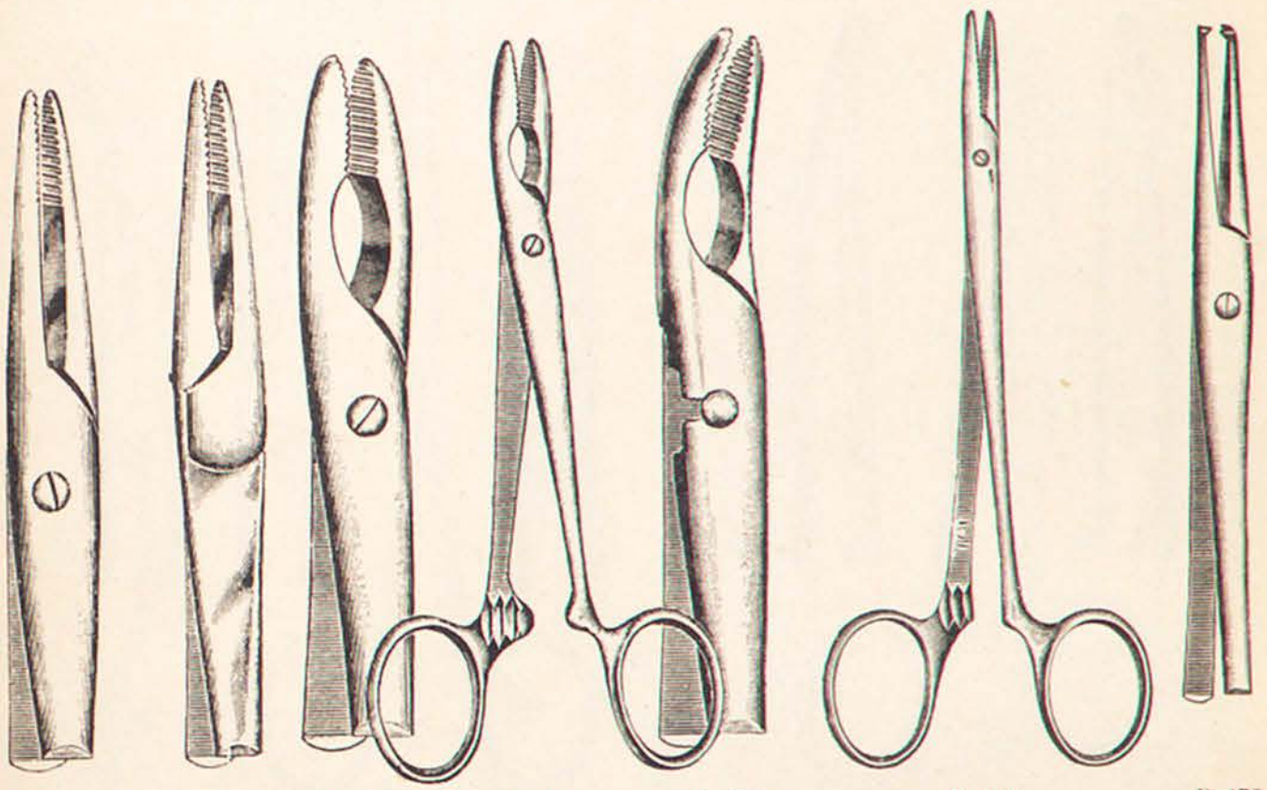
B–440



B–448

Haemostatic Forceps

*B–425	**Barrett's,**	6¼ inches, mortise joint.
B–430	**Carmalt's,**	6¼ inches, screw or aseptic joint, curved.
*B–431	**Carmalt's,**	6¼ inches, screw or aseptic joint, straight.
B–435	**Ethridge's,**	straight, 5 inches, 6 inches, 7 inches, 8 inches.
B–436	**Ethridge's,**	curved, 5 inches, 6 inches, 7 inches, 8 inches.
B–440	**Ferguson's,**	curved, angiotriptic, 6¼ inches, 7½ inches, screw joint.
*B–445	**Ferguson's,**	curved, angiotriptic, 6¼ inches, 7½ inches, mortise joint.
B–448	**Ferguson's,**	straight, angiotriptic, 6½ inches, 7¾ inches, screw joint.
*B–450	**Ferguson's,**	straight, angiotriptic, 6½ inches, 7¾ inches, mortise joint.
*B–455	**Ferguson's,**	straight, 4¾ inches, 5½ inches, 6½ inches, 7½ inches.



B–460 B–462 B–464 B–464 B–466 B–470 B–475

Haemostatic Forceps

B–460 **Halstead's, Johns Hopkins'** pattern, 5½ inches, screw joint.

B–462 **Halstead's, Johns Hopkins'** pattern, 5½ inches, Collin's joint.

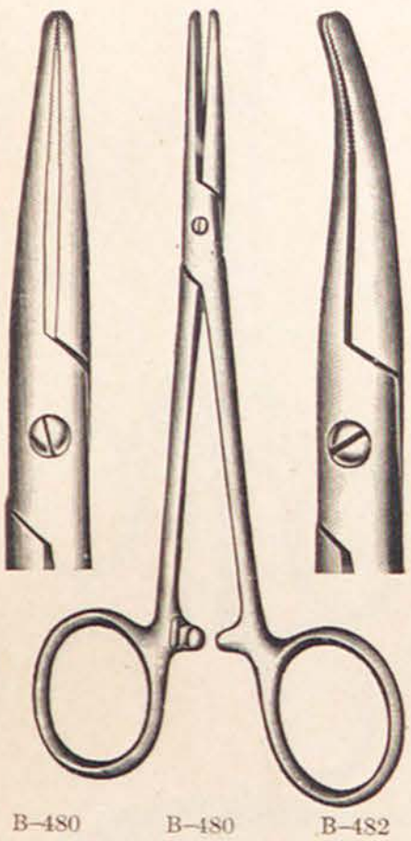
B–464 **Halstead's,** straight, 5½ inches, aseptic or screw joint.

B–466 **Halstead's,** curved, 5½ inches, aseptic or screw joint.

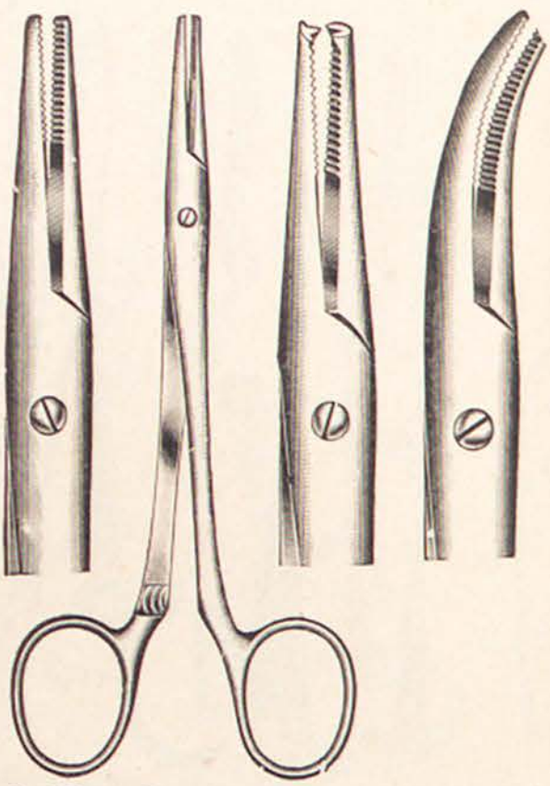
B–470 **Halstead's,** mosquito, straight, screw joint.

*B–471 **Halstead's,** mosquito, curved, screw joint.

B–475 **Halstead-Kelly's,** straight, mosquito, 4¾ inches, mouse tooth, screw joint.



B–480 B–480 B–482



B–485 B–485 B–486 B–487

Haemostatic Forceps

B–480 **Kelly's,** straight, 5½ inches, fine pointed, round shanks, screw joint.

*B–481 **Kelly's,** straight, 5½ inches, fine pointed, round shank, mortise joint.

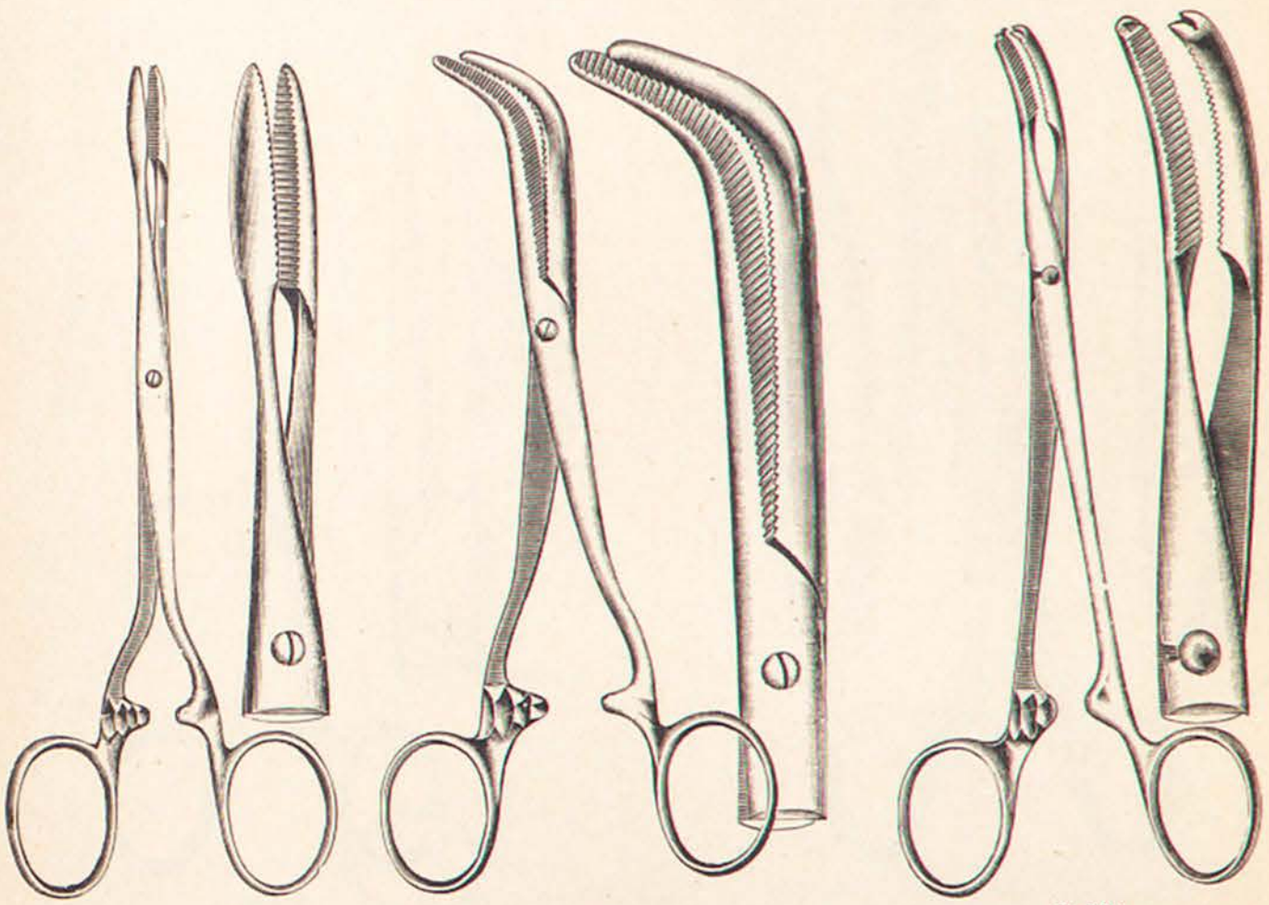
B–482 **Kelly's,** curved, 5½ inches, fine pointed, round shanks.

*B–483 **Kelly's,** curved, 5½ inches, fine pointed, round shanks, mortise joint.

B–485 **Kelly's,** straight, 5½ inches, fine pointed, flat shanks.

B–486 **Kelly's,** straight, 5½ inches, mouse tooth, flat shanks.

B–487 **Kelly's,** curved, 5½ inches, fine pointed, flat shanks.



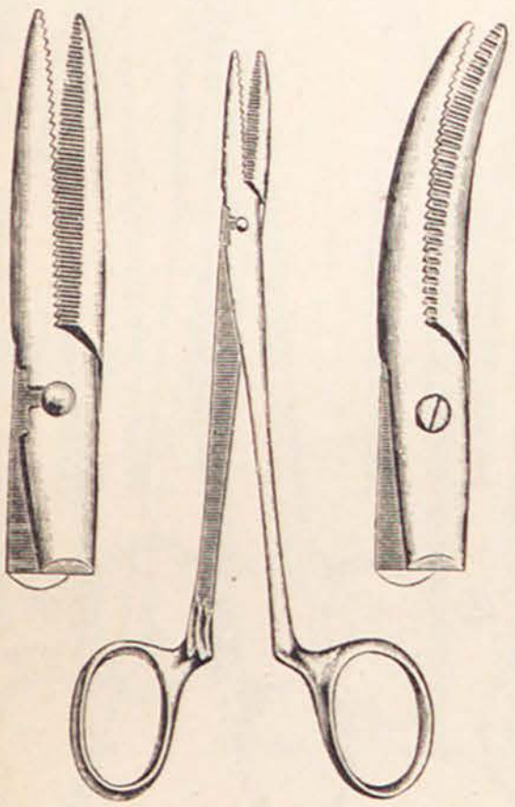
B–490 B–495 B–500

Haemostatic Forceps

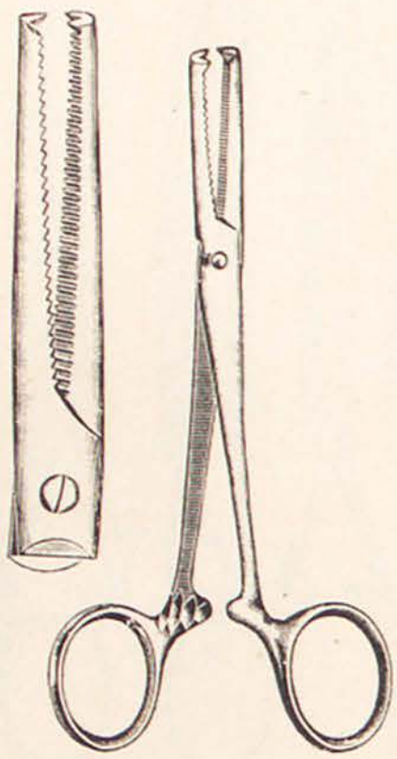
B–490 **Murphy-Pean's,** straight, 6½ inches, very light.

B–495 **Mixter's,** curved, 6 inches.

B–500 **Mickulicz's,** curved, 6¾ inches.



B–505 B–505 B–506



B–508

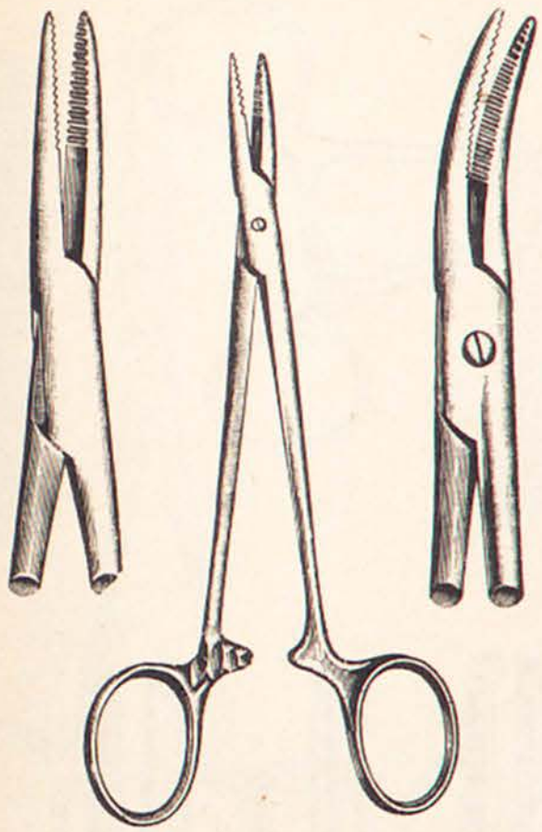
Haemostatic Forceps

B–505 **Jones',** straight, 5 inches, screw joint.

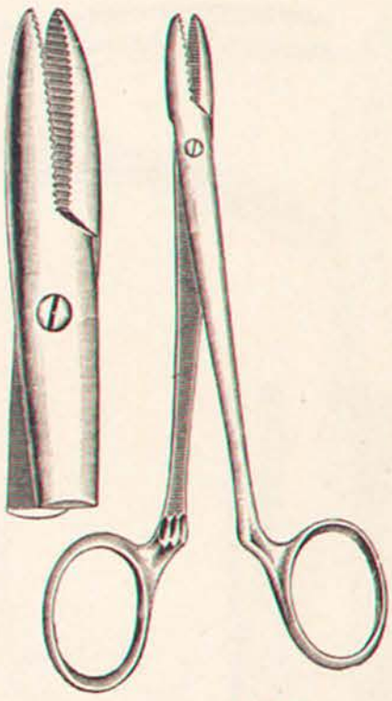
B–506 **Jones',** curved, 5 inches, screw joint.

B–508 **Kocher's,** straight, 4½, 5, 5½ and 6 inches, screw joint.

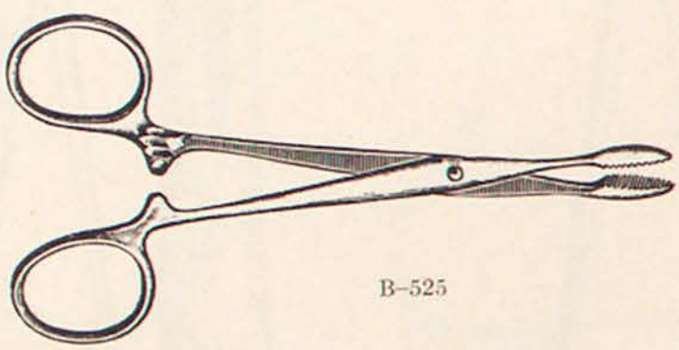
*B–510 **Kocher's,** straight, 5½ inches, mortise joint.



B–515 B–516 B–518



B–520 B–520



B–525

Haemostatic Forceps

B–515 **Providence Hospital,** straight, 5½ inches, mortise joint.

B–516 **Providence Hospital,** straight, 5½ inches, screw joint.

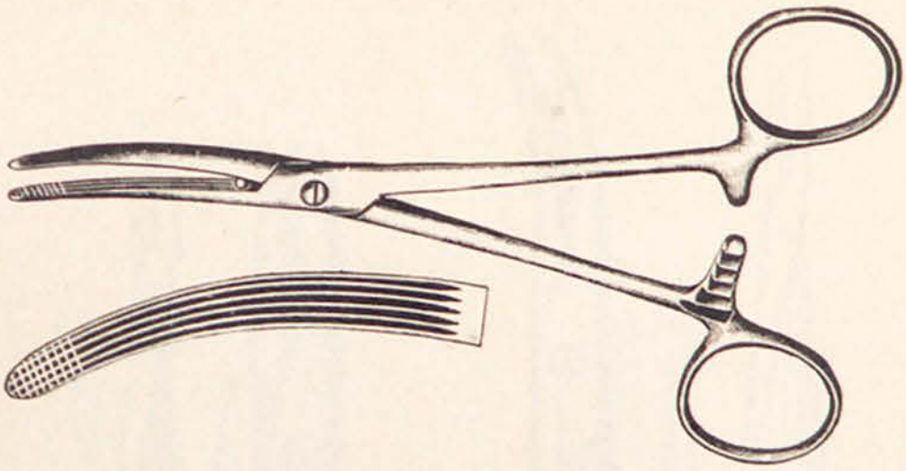
*B–517 **Providence Hospital,** curved, 5½ inches, mortise joint.

B–518 **Providence Hospital,** curved, 5½ inches, screw joint.

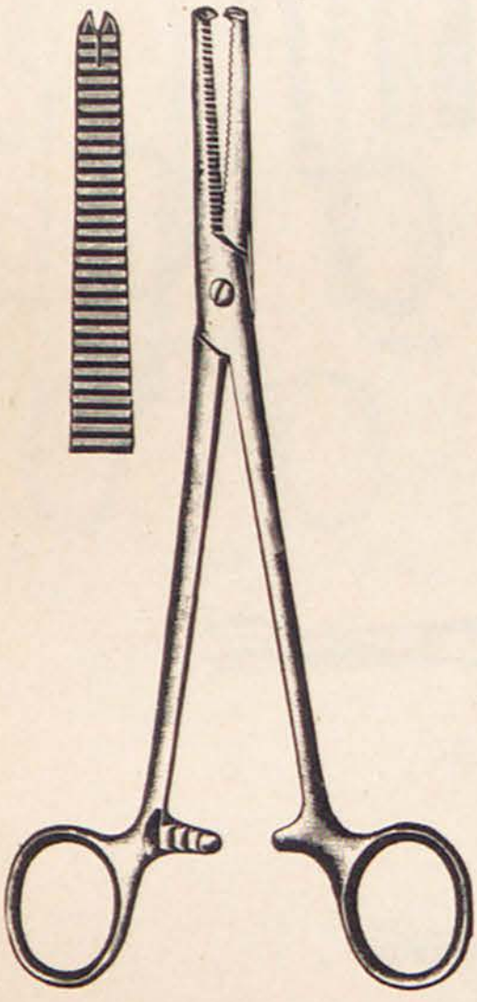
B–520 **Tait's,** straight, 4¾ inches, screw joint.

*B–521 **Tait's,** curved, 4¾ inches, screw joint.

B–525 **Pean's,** straight, aseptic or screw joint, 4½ inches, 5 inches, 5½ inches.



B–530



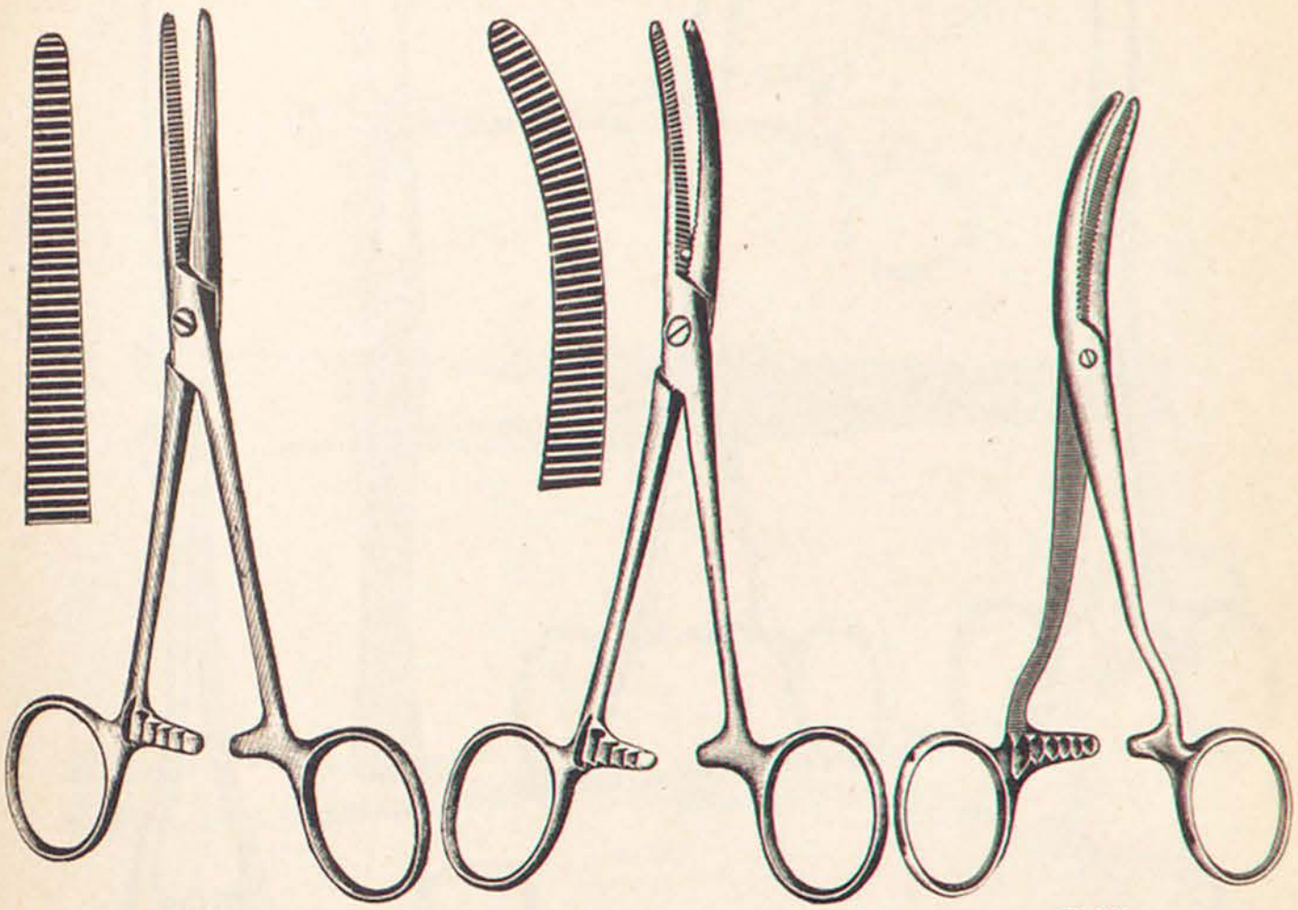
B–535-537



B–536 B–538

Haemostatic Forceps

B–530 **Rochester-Carmalt's,** curved, 6¼ inches, screw joint.
*B–531 **Rochester-Carmalt's,** curved, 6¼ inches, mortise joint.
*B–532 **Rochester-Carmalt's,** curved, 6¼ inches, mouse tooth, screw joint.
*B–533 **Rochester-Carmalt's,** curved, 6¼ inches, mouse tooth, mortise joint.
B–535 **Rochester-Ochsner,** straight, 6¼ inches, mouse tooth, screw joint.
B–536 **Rochester-Ochsner,** straight, 6¼ inches, mortise joint.
B–537 **Rochester-Ochsner,** straight, 7¼ inches, mouse tooth, screw joint.
B–538 **Rochester-Ochsner,** straight, 7¼ inches, mortise joint.



B–540 B–542 B–544



B–570 B–571

Haemostatic Forceps

B–540 **Rochester-Pean's,** straight, 6¼ inches, screw joint.

B–542 **Rochester-Pean's,** curved, 6¼ inches, screw joint.

*B–543 **Rochester-Pean's,** curved, 6¼ inches, mortise joint.

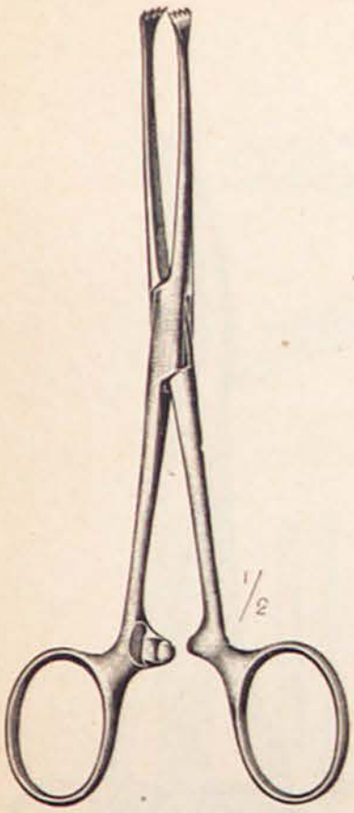
B–544 **Pean's** (**Kelly-Pean's**), curved, 6¼ inches, long jaw.

*B–545 **Pean's,** straight, 6¼ inches, long jaw.

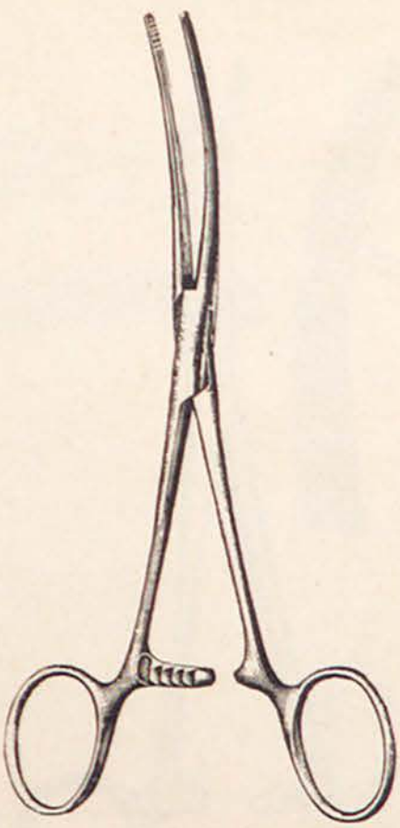
Forceps Rings or Holders

B–570 **Bunt's** Forceps Ring or Holder, improved.

B–571 **Bunt's** Forceps Ring or Holder, original.



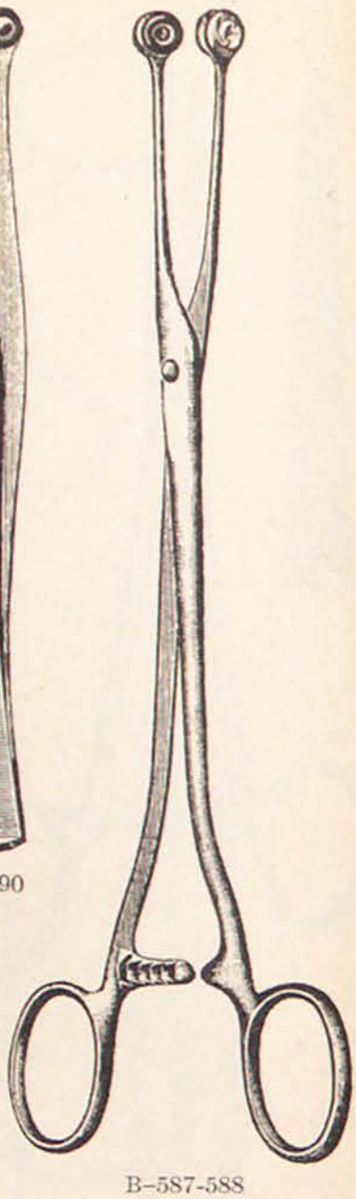
B–582



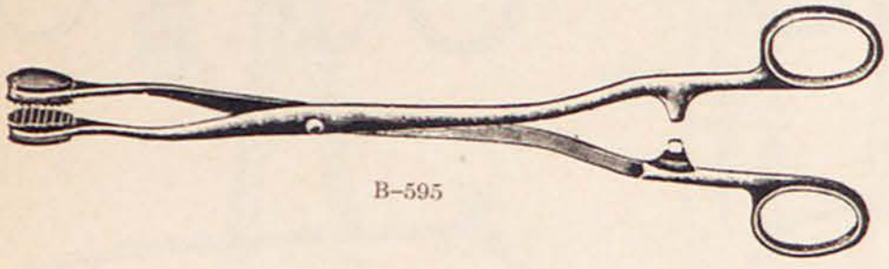
B–584



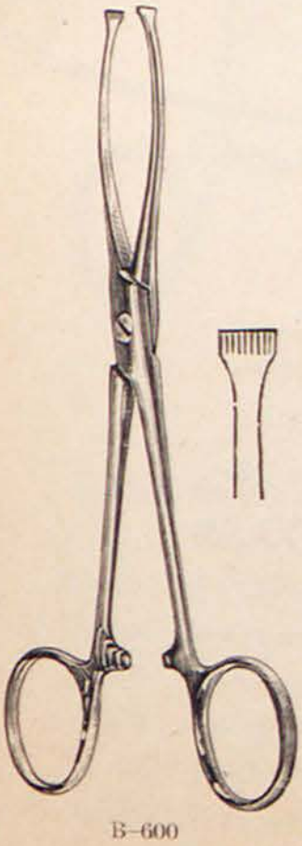
B–590



B–587-588



B–595



B–600

Intestinal and Marginal Tissue Forceps

*B–580 **Allis',** end teeth, screw joint.

B–582 **Allis',** end teeth, mortise joint.

B–584 **Bainbridge's,** curved, mortise joint.

*B–585 **Bainbridge's,** straight, mortise joint.

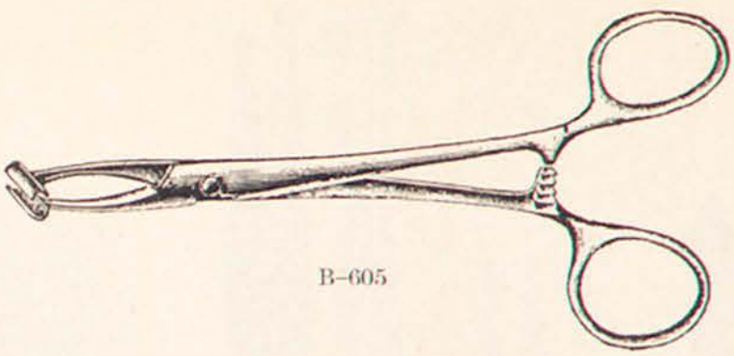
B–587 **Barrett's,** 6¼ inches, rubber jaws.

B–588 **Barrett's,** 8¼ inches, rubber jaws.

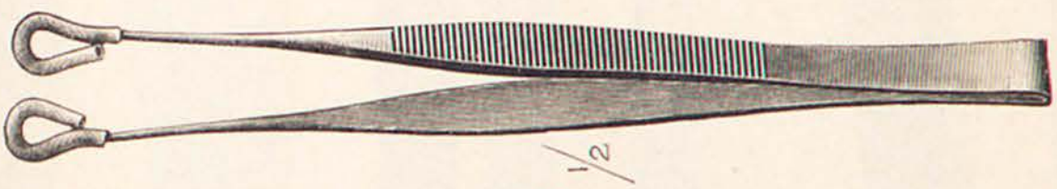
B–590 **Barrett-Murphy's,** 6 inches, spring, rubber jaws.

B–595 **Child's,** 9¾ inches, rubber jaws.

B–600 **Jackson's,** with heavy screw joint.



B–605



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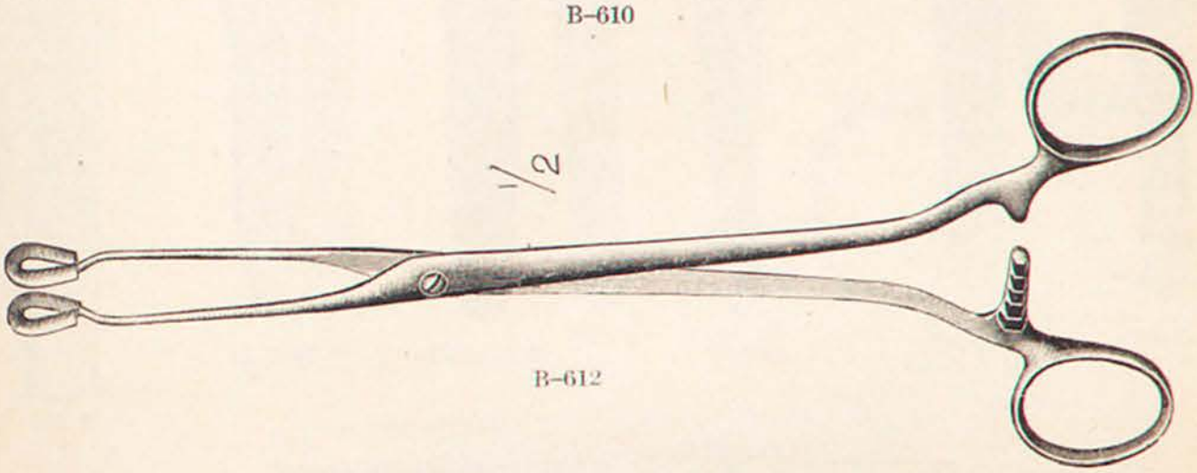

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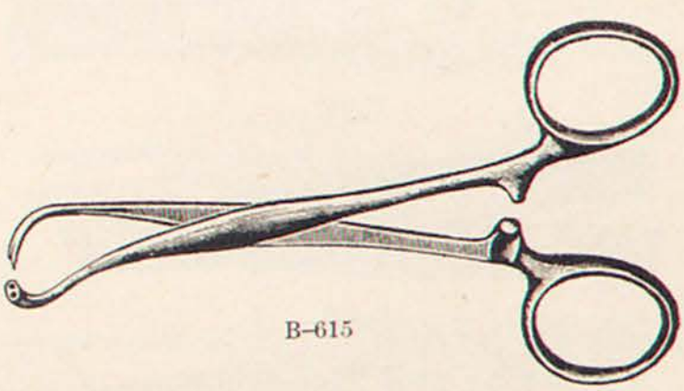

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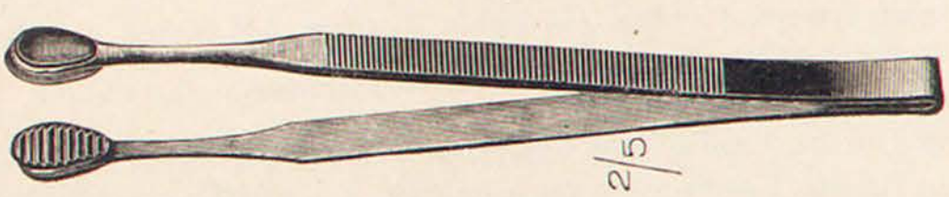


B–620

Intestinal and Marginal Tissue Forceps

B–605 **Pratt-Smith's** T-shape.

B–610 **Schoenberg's,** 7¾ inches, spring.

B–612 **Schoenberg's,** 8¾ inches, ring handles.

B–615 **Smith's** Marginal Tenaculum Forceps.

B–620 **Young's,** 7 inches, rubber jaws, spring.



B–630



B–640



B–645



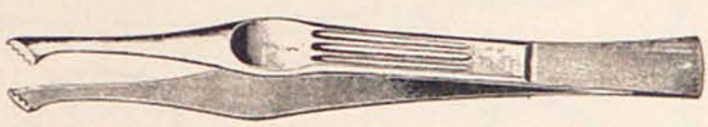
B–665–670



B–675



B–680



B–685



B–690

Dressing and Tissue Forceps

B–630 Dressing Forceps, 4 inches, 4½ inches, 5 inches, 5½ inches, 6 inches, 7 inches 8 inches, 9 inches, 10 inches, 11 inches, 12 inches.

B–640 Dressing Forceps, **Kelly's,** 5 inches.

B–645 Tissue Forceps, 1 and 2 teeth, 4½ inches, 5 inches, 5½ inches, 6 inches.

*B–650 Tissue Forceps, 2 and 3 teeth, 4½ inches, 5 inches, 5½ inches, 6 inches.

*B–655 Tissue Forceps, 3 and 4 teeth, 4½ inches, 5 inches, 5½ inches, 6 inches.

*B–660 Tissue Forceps, 4 and 5 teeth, 4½ inches, 5 inches, 5½ inches, 6 inches.

B–665 Tissue Forceps, **Bonney's,** heavy, one and two teeth.

B–670 Tissue Forceps, **Bonney's,** heavy, two and three teeth.

B–675 Tissue Forceps, **Kelly's,** 5 inches, 1 and 2 teeth, 2 and 3 teeth, 3 and 4 teeth.

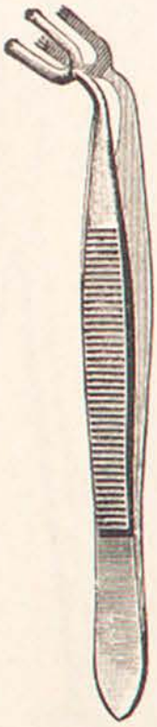
B–680 Tissue Forceps, **English** pattern, extra heavy, 7 inches.

B–685 Tissue Forceps, **Farka's,** 4 and 5 teeth, 5 inches.

B–690 Tissue Forceps, **Mayo's,** 8 and 9 teeth, 3½ inches.



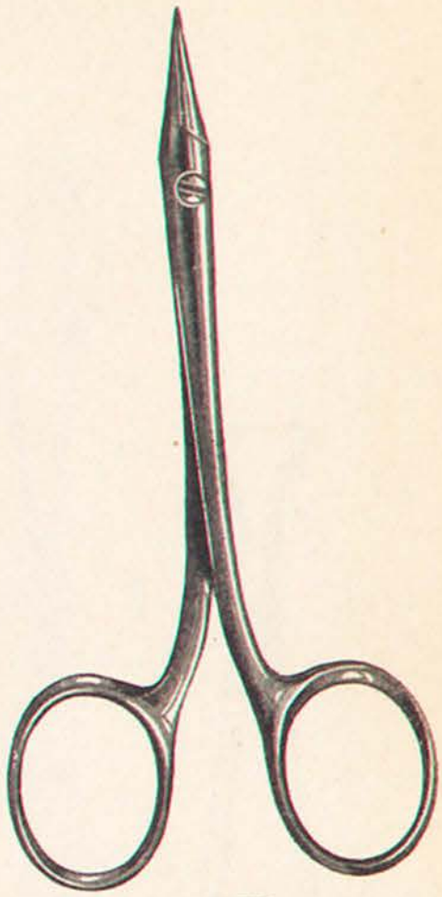
B–695



B–703



B–705



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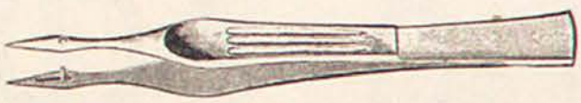


B–720



B–725



B–740

Dressing and Tissue Forceps

B–695 Tissue Forceps, **London** pattern.

*B–700 Tissue Forceps, **Otto's,** 5¼ inches, 4 and 5 teeth.

*B–701 Tissue Forceps, **Roubaix's,** straight, 5 inches, for suture work

B–703 Tissue Forceps, **Roubaix's,** angular, 5 inches, for suture work.

B–705 Tissue Forceps, **Russian,** 6 inches.

*B–710 Tissue Forceps, **Stille's,** 4 and 5 teeth, 5 inches.

Splinter Forceps

B–720 **Carmalt's,** straight, 4½ inches.

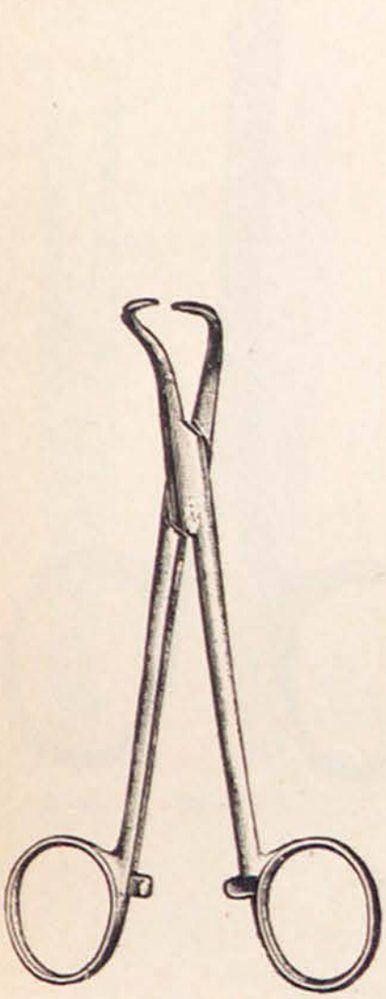
*B–721 **Carmalt's,** curved, 4½ inches.

B–725 **Feilchenfeld's,** 3 inches, 4½ inches.

*B–730 **Little's,** 4 inches.

B–735 Physicians' Ring Handle.

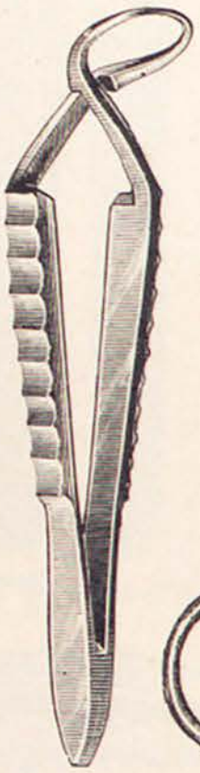
B–740 Plain, 2½ inches, 3 inches, 3½ inches, 4 inches.



B–750–756



B–758



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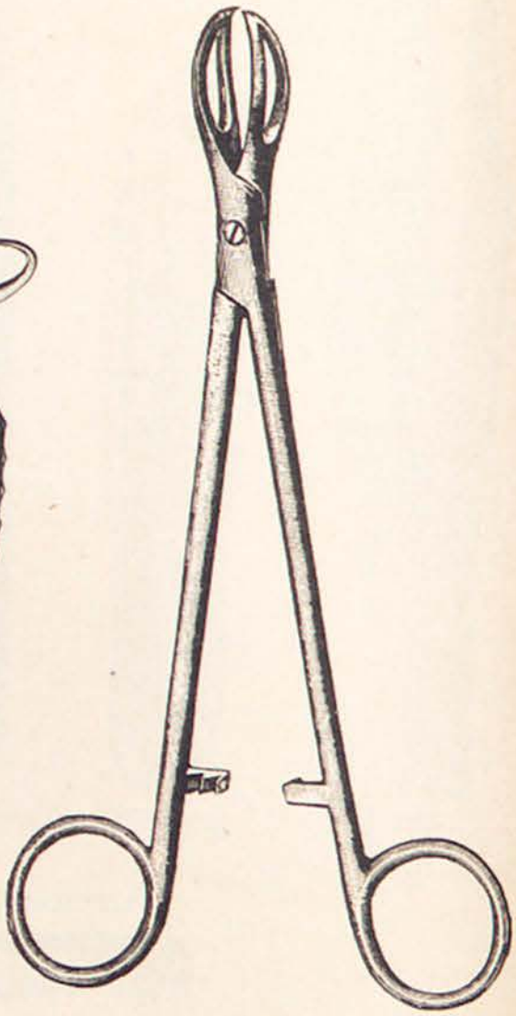

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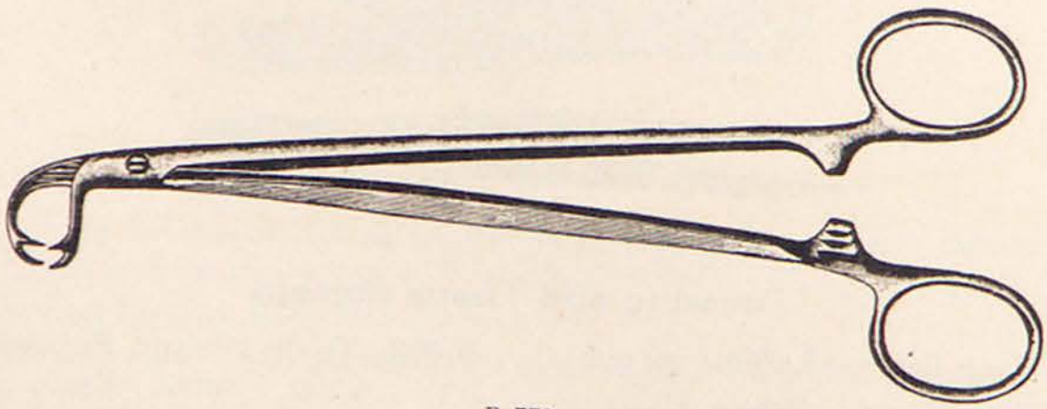


B–770

Towel Forceps

B–750 **Backhaus',** short, 3 inches.

B–755 **Backhaus',** long, 5¼ inches, screw lock.

B–756 **Backhaus',** long, 5¼ inches, with mortise joint.

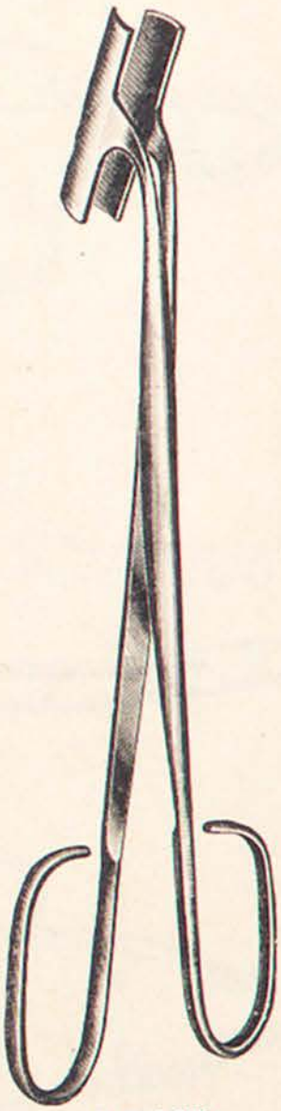
B–758 **Doyen's,** self-retaining, with ring.

B–760 **Jones.'**

B–765 **Lane's.**

*B–767 **Moynihan's,** single prong.

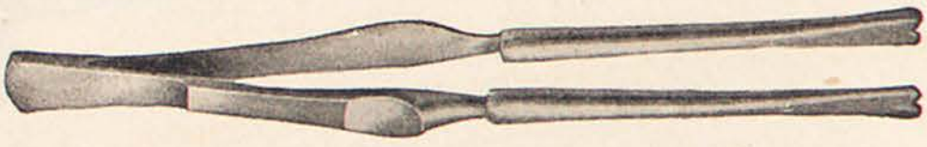
B–770 **Moynihan's,** double prong.



B–778-779



B–780-781



B–785

Sterilizer Forceps

B–778 **Van der Poel's,** long.

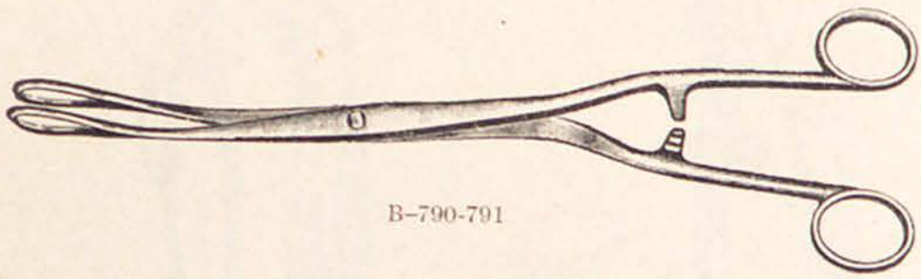
B–779 **Van der Poel's,** short.

B–780 Three Prong, 8 inches.

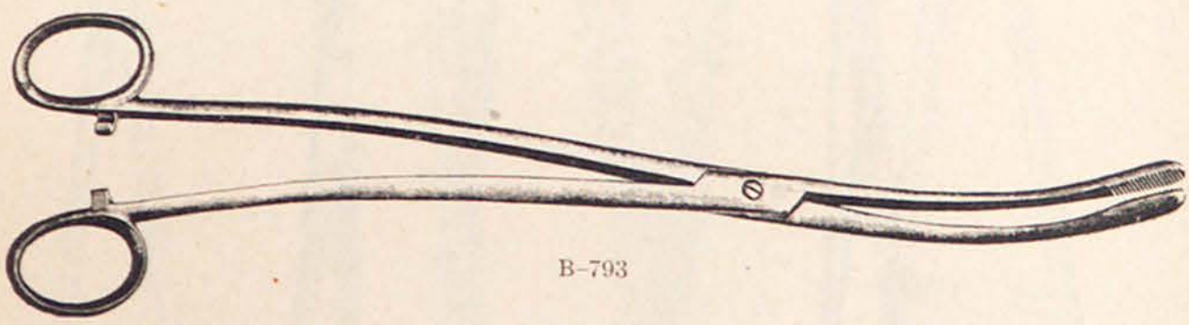
B–781 Three Prong, 12 inches.

Iodine Sponge Forceps

B–785 **Loth's,** plain, aluminum jaws.



B–790-791



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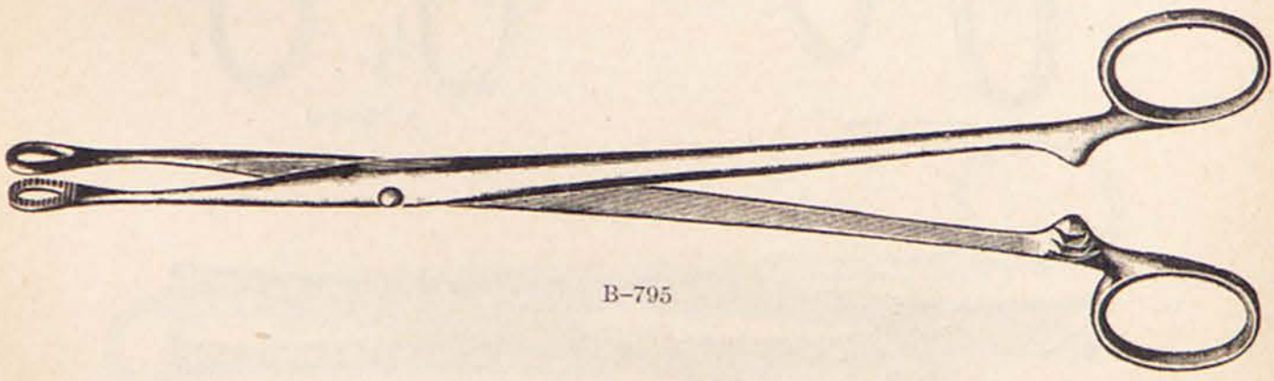


B–795

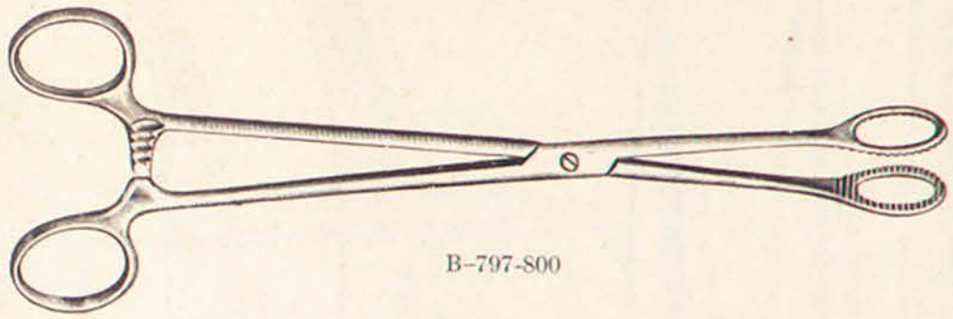
Sponge Holding Forceps

B–790 **Bellevue,** plain blade.

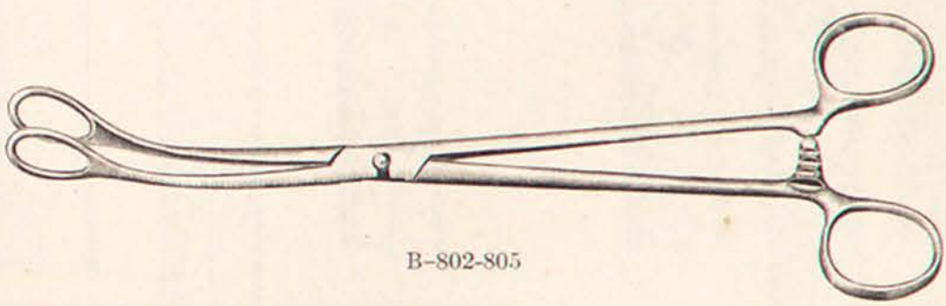
B–791 **Bellevue,** serrated blade.

B–793 **De Lee's,** sponge holding and dressing, heavy.

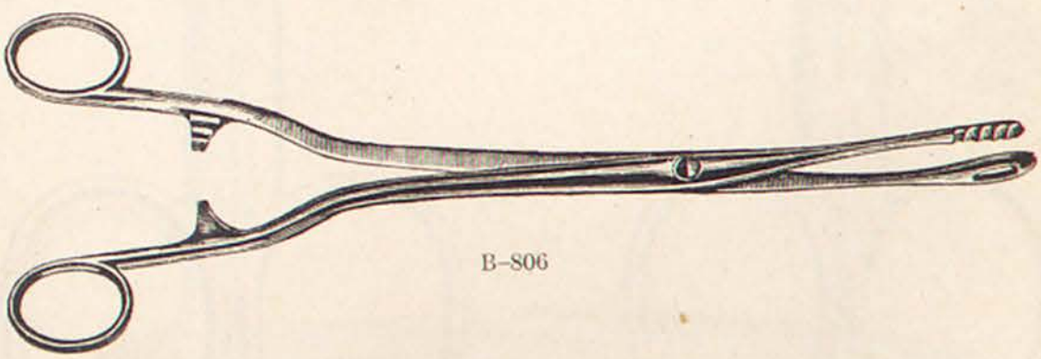
B–795 **Polk's,** sponge.



B–797-800



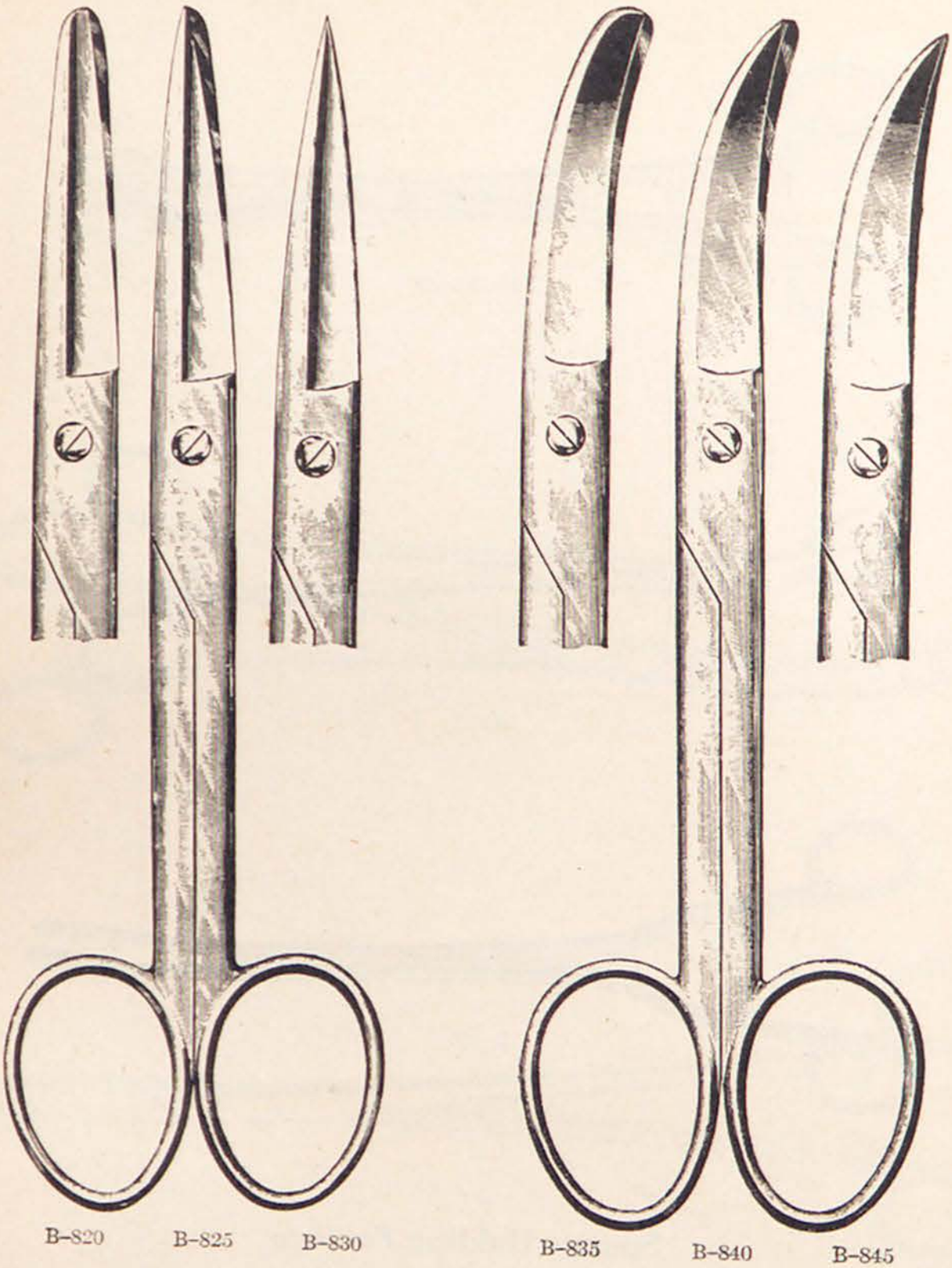
B–802-805



B–806

Sponge Holding Forceps

B–797 **Foerster's,** straight, 7 inches, plain jaw.
B–798 **Foerster's,** straight, 7 inches, serrated jaw.
B–799 **Foerster's,** straight, 9½ inches, plain jaw.
B–800 **Foerster's,** straight, 9½ inches, serrated jaw.
B–802 **Foerster's,** curved, 7 inches, plain jaw.
B–803 **Foerster's,** curved, 7 inches, serrated jaw.
B–804 **Foerster's,** curved, 9½ inches, plain jaw.
B–805 **Foerster's,** curved, 9½ inches, serrated jaw.
B–806 **Haslam's,** combined sponge, dressing and seizing.
*B–808 **Kelly's.**



Operating Scissors

B-820 Scissors, straight No. 1, two blunt points. Size: 4 inches, 4½ inches, 5 inches, 5½ inches, 6 inches, 6½ inches, 7 inches.

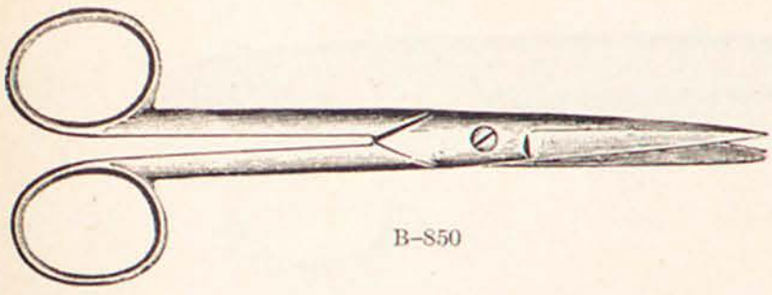
B-825 Scissors, straight, No. 2, one blunt and one sharp point. Size: 4 inches, 4½ inches, 5 inches, 5½ inches, 6 inches, 6½ inches, 7 inches.

B-830 Scissors, straight, No. 3, two sharp points. Size: 4 inches, 4½ inches, 5 inches, 5½ inches, 6 inches, 6½ inches, 7 inches.

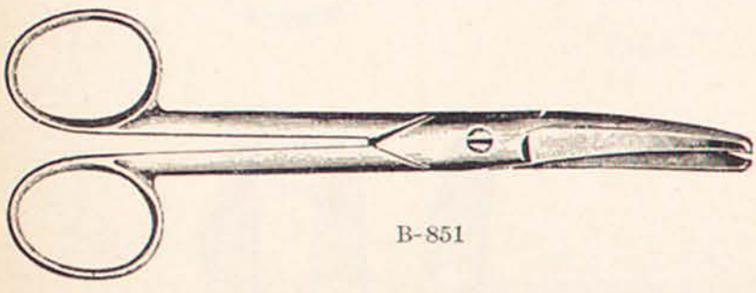
B-835 Scissors, curved on flat, No. 1, two blunt points. Size: 4 inches, 4½ inches, 5 inches, 5½ inches, 6 inches, 6½ inches, 7 inches.

B-840 Scissors, curved on flat, No. 2, one blunt and one sharp point. Size, 4 inches, 4½ inches, 5 inches, 5½ inches, 6 inches, 6½ inches, 7 inches.

B-845 Scissors, curved on flat, No. 3, two sharp points. Size: 4 inches, 4½ inches, 5 inches, 5½ inches, 6 inches, 6½ inches, 7 inches.



B–850



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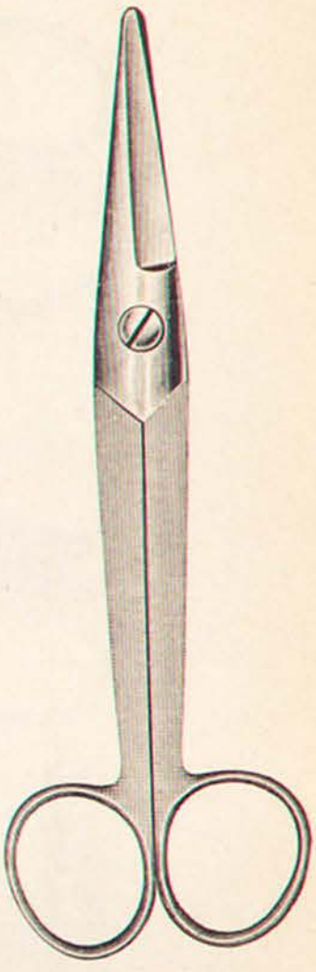

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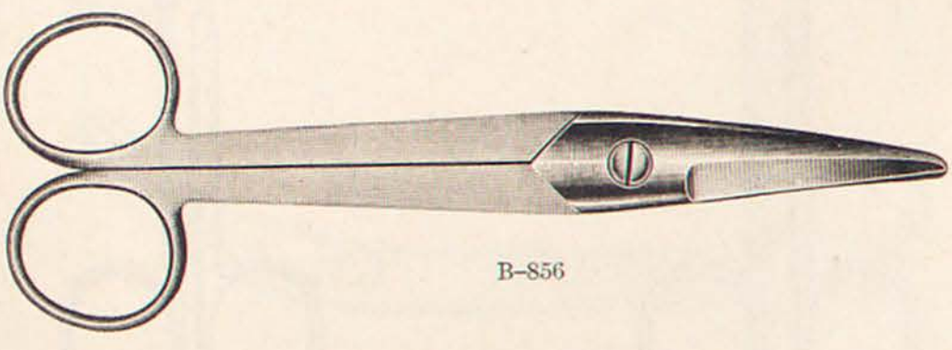


B–856

Operating Scissors—Hand Forged

These scissors are made in the very latest Flat Form pattern, from English steel, and are hand forged throughout.

B–850 **Deaver's,** straight, hand forged.

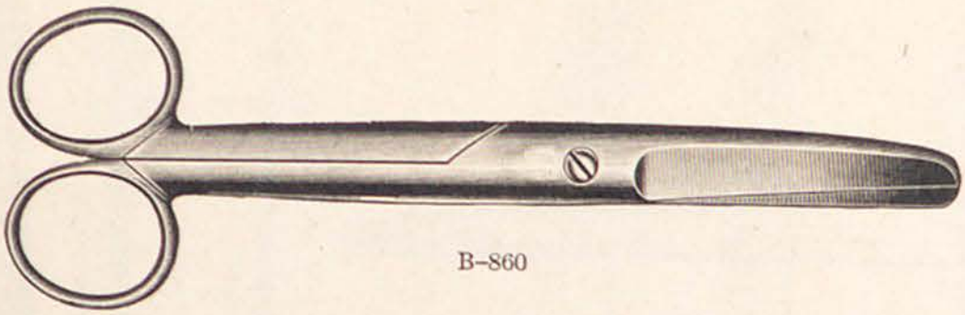
B–851 **Deaver's,** curved on flat, hand forged.

B–855 **Noble's,** straight, 6¼ inches, hand forged.

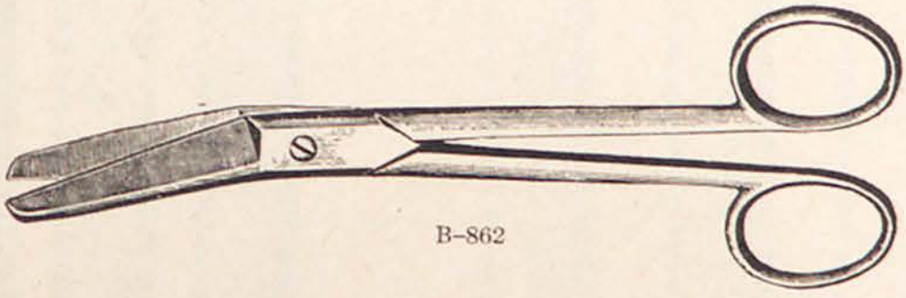
B–856 **Noble's,** curved on flat, 6¼ inches, hand forged.

*B–858 **Noble's,** straight, 6¼ inches, Mayo dissecting blades, hand forged.

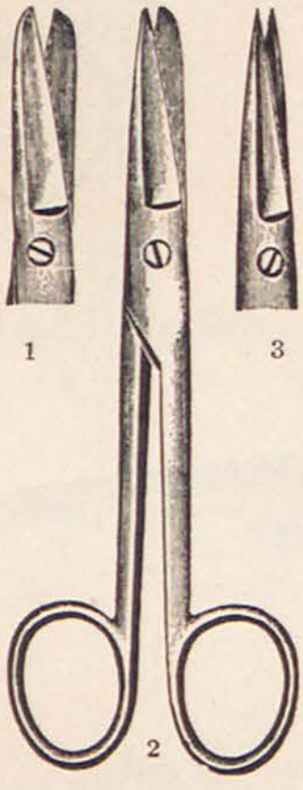
*B–859 **Noble's,** curved on flat, 6¼ inches, Mayo dissecting blades, hand forged.



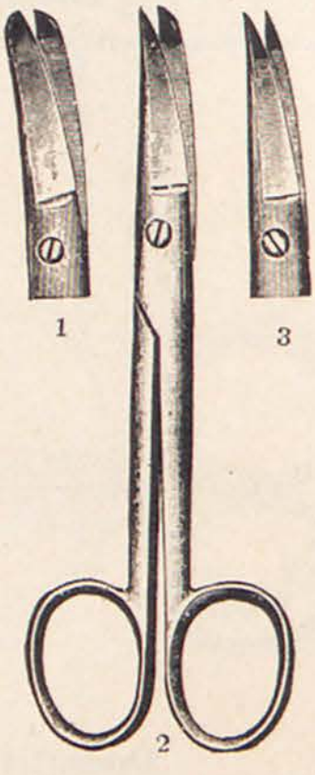
B–860



B–862



B–865



B–866

Operating Scissors

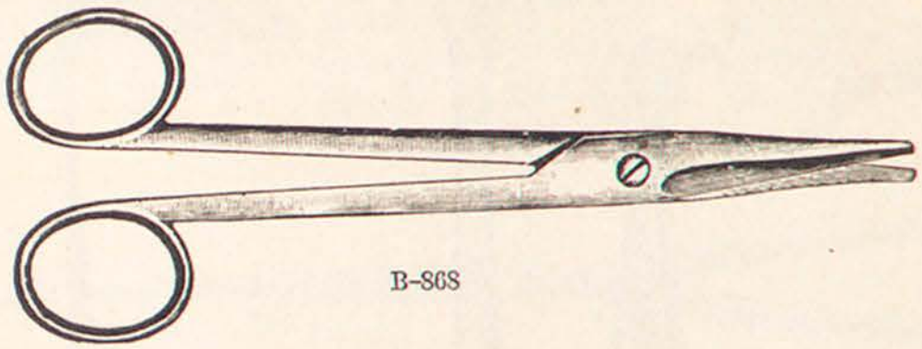
B–860 **Doyen's,** straight, 7 inches, abdominal.

*B–861 **Doyen's,** curved on flat, 7 inches, abdominal.

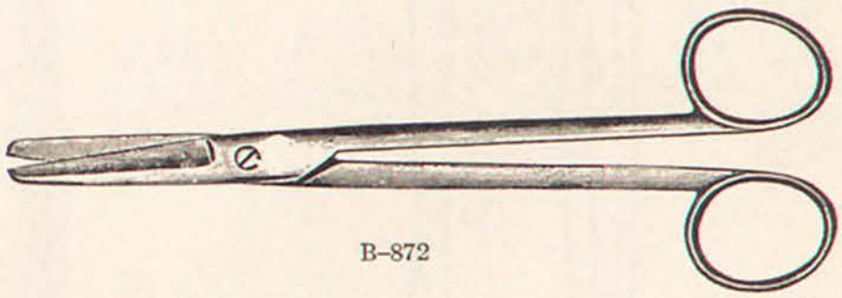
B–862 **Ferguson's,** angled on flat, 7 inches, 8 inches.

B–865 **Mayo's,** straight, 5 inches, 5½ inches.

B–866 **Mayo's,** curved on flat, 5 inches, 5½ inches.



B–868



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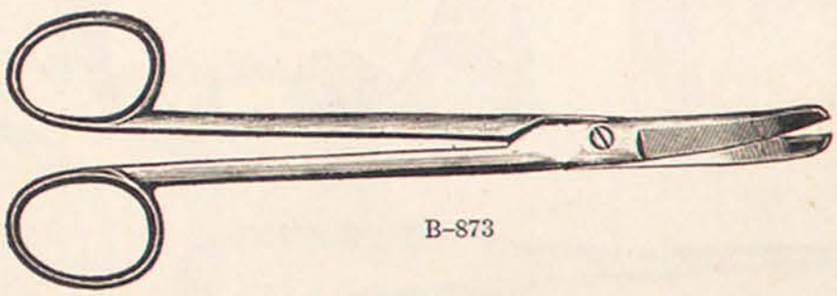

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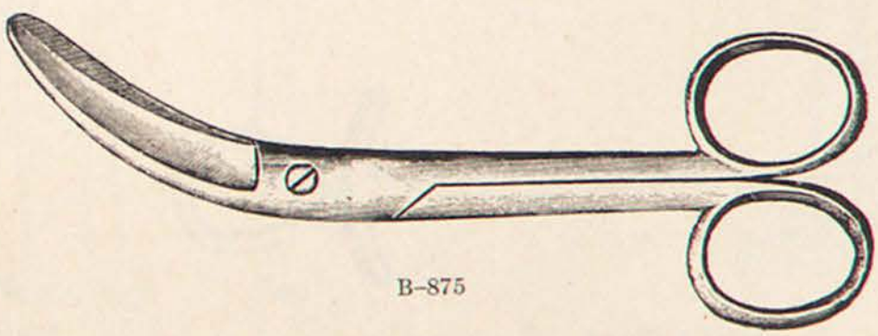


B–875

Operating Scissors

B–868 **Mayo,** straight, dissecting, 5½ inches, 6¾ inches.

*B–870 **Mayo's,** curved on flat, dissecting, 5½ inches, 6¾ inches.

B–872 **Mixter's,** straight, 6 inches.

B–873 **Mixter's,** curved on flat, 6 inches.

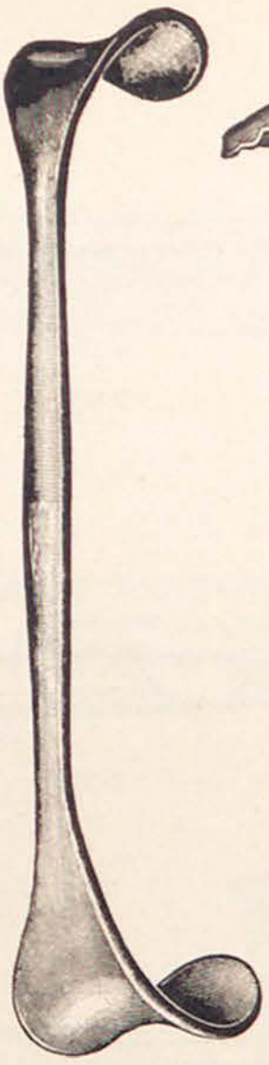
B–875 **Vizien's,** curved on edge.



B–905



B–910



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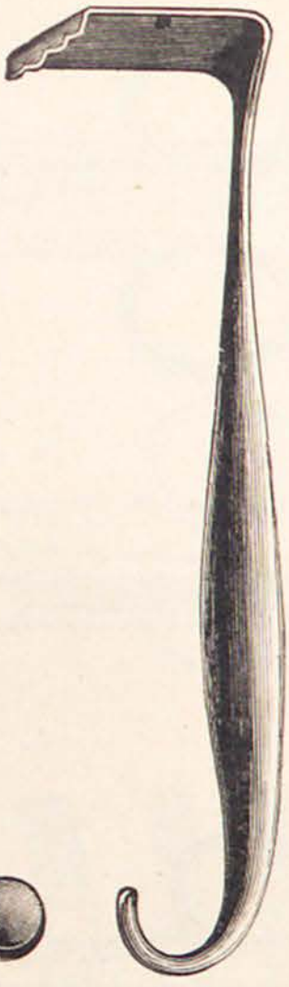

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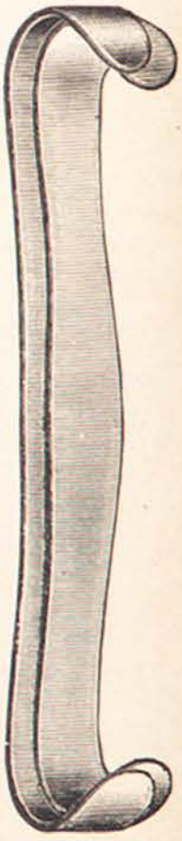
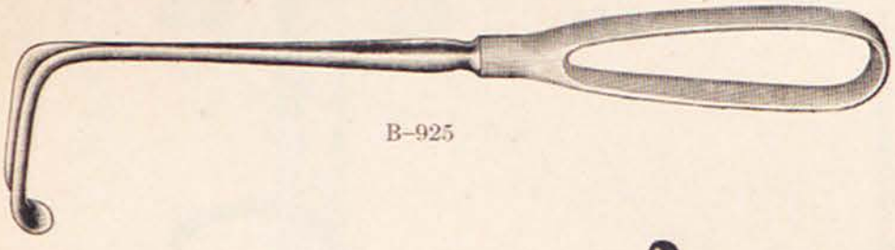


B–922



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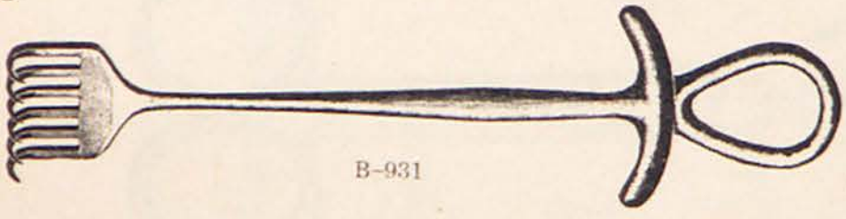


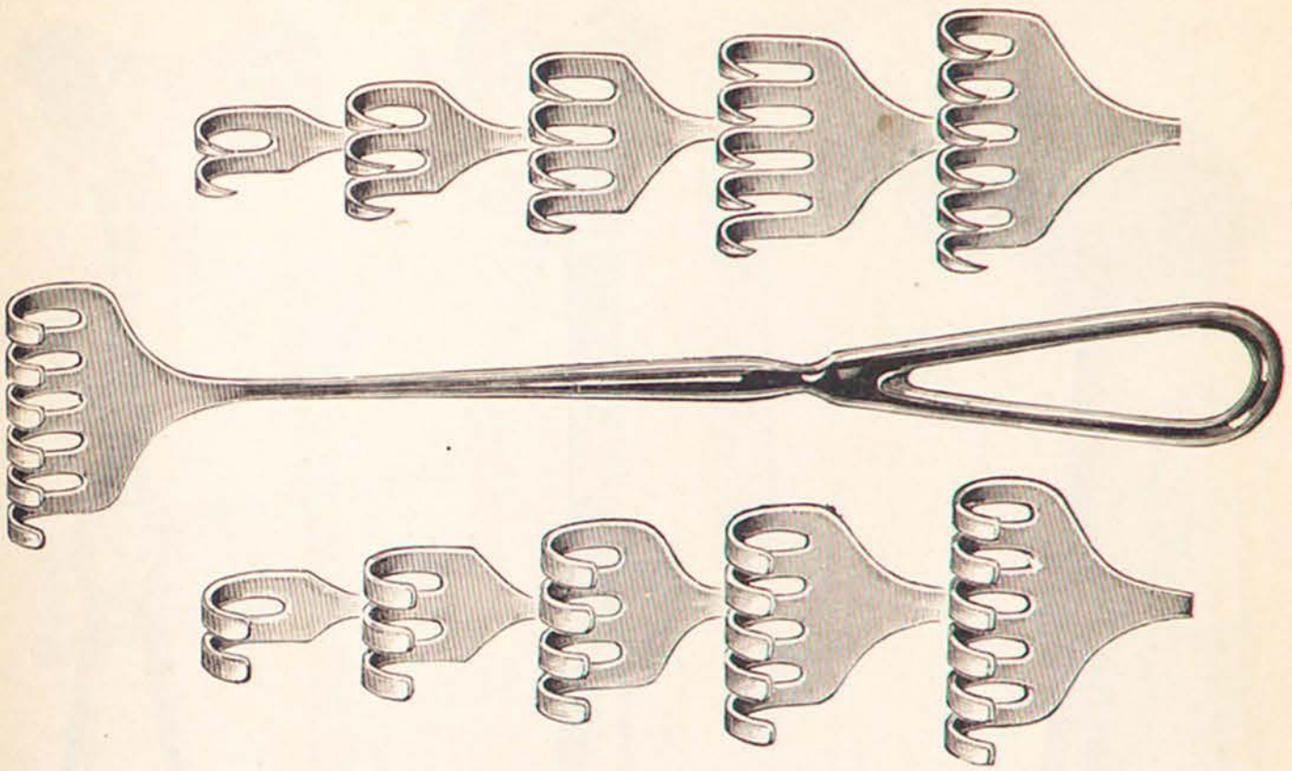
B–931



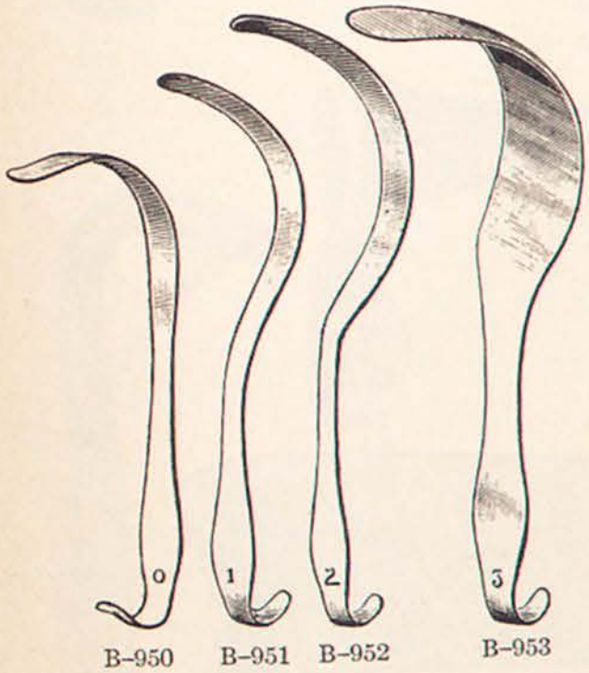
B–935

Retractors—General

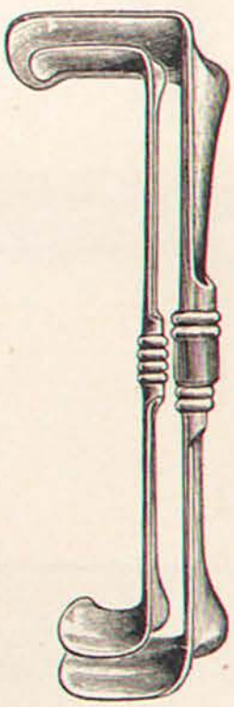
*B–900	**Bilroth's,**	blunt, 3 prongs.
B–905	**Collin's,**	set of two, fenestrated.
B–910	**Forwood's,**	set of two.
B–912	**Goelet's,**	double.
B–918	**Lange's,**	major.
*B–919	**Lange's,**	minor.
B–922	**Parker's,**	set of 2, short, long.
B–925	**Richardson's,**	small, original.
*B–930	**Schultz's,**	blunt, 6 prongs.
B–931	**Schultz's,**	sharp, 6 prongs.
B–935	**U. S. Army,**	steel, set of two.



B–940-945



B–950 B–951 B–952 B–953



B–954

Retractors—General

B–940 **Volkman's,** sharp, 2 prongs, 3 prongs, 4 prongs, 5 prongs, 6 prongs.

B–945 **Volkman's,** blunt, 2 prongs, 3 prongs, 4 prongs, 5 prongs, 6 prongs.

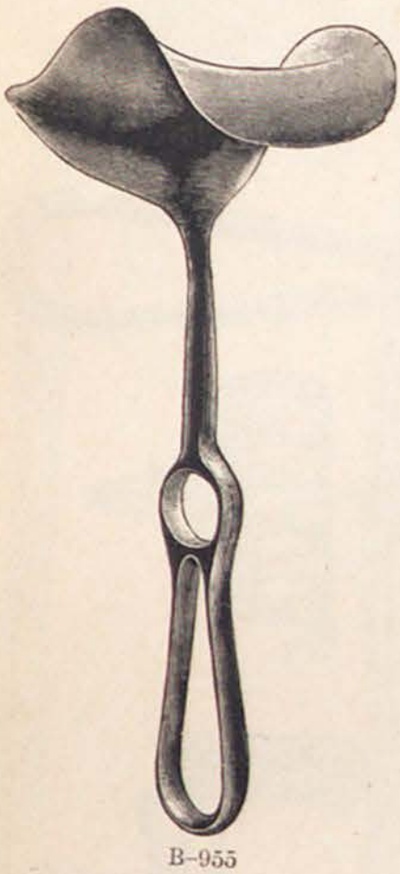
B–950 **Deaver's,** short, 1 inch wide.

B–951 **Deaver's,** long, 1 inch wide.

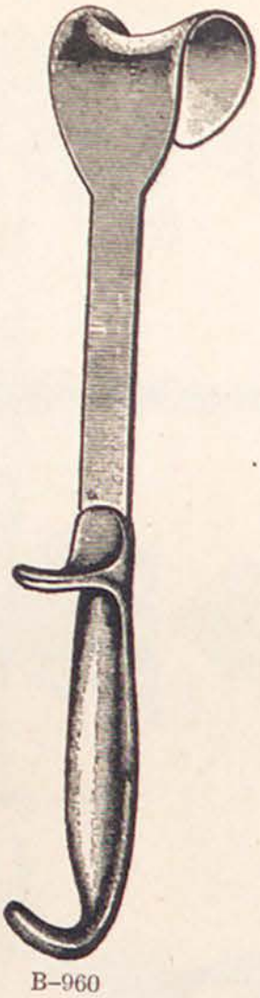
B–952 **Deaver's,** extra long, 1 inch wide.

B–953 **Deaver's,** extra long, 2 inches wide.

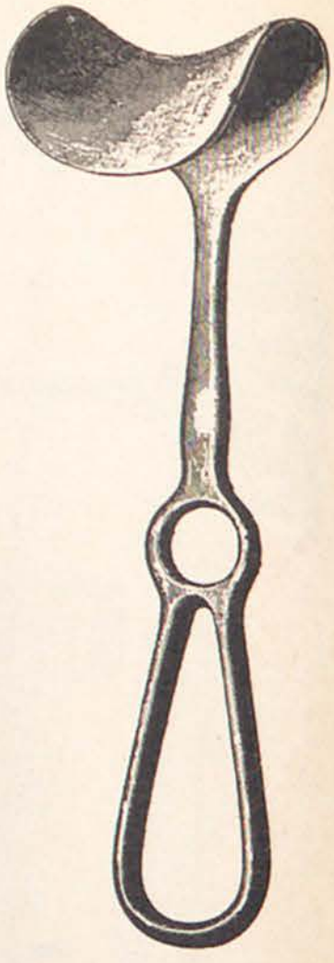
B–954 **Eastman-Richardson's,** double ended, set, nested; blades ¾ x 2 inches and 2 x 2½ inches.



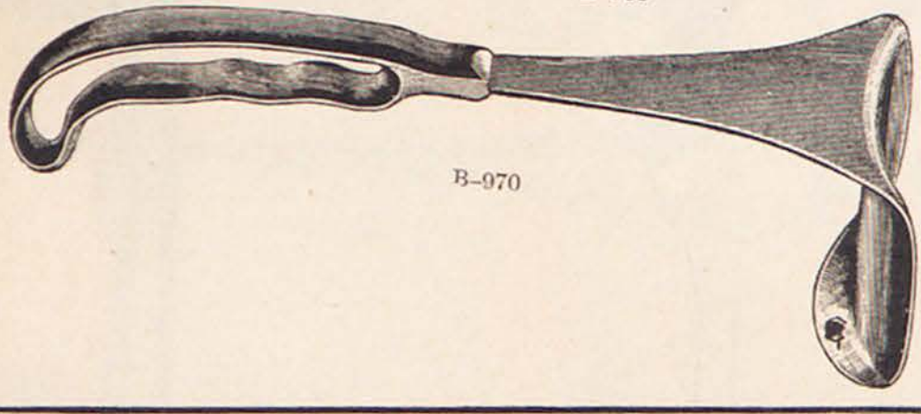
B–955



B–960



B–966



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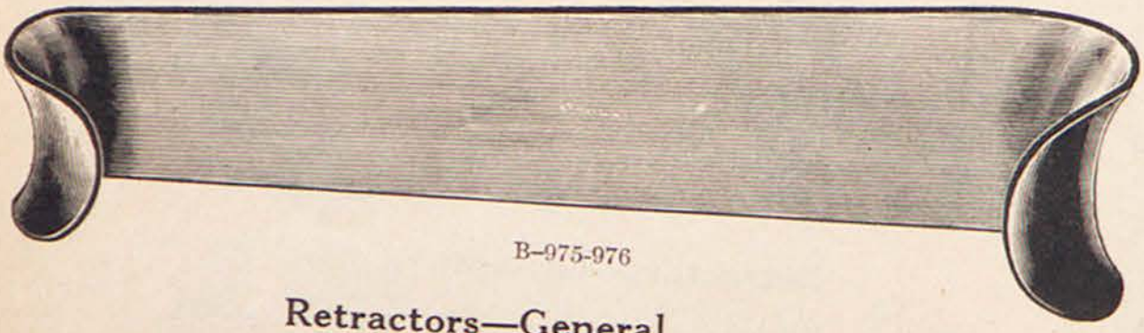


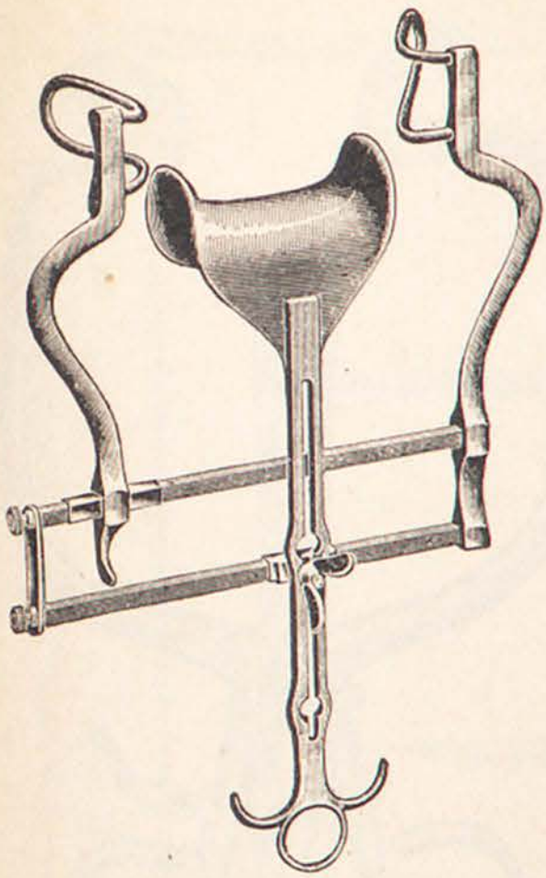
B–975-976



B–980

Retractors—General

B–955 **Donoghue's,** 3 sizes,
B–960 **Doyen's,** thin steel blade.
*B–965 **Fritsch's,** small.
B–966 **Fritsch's,** large.
B–970 **Kelly's,** original model, 4 sizes.
B–975 **Roux's,** double ended, blades $\frac{7}{8}$ and $1\frac{1}{2}$ inches wide.
B–976 **Roux's,** double ended, blades $1\frac{3}{8}$ and $1\frac{7}{8}$ inches wide.
B–980 **Studdiford's.**



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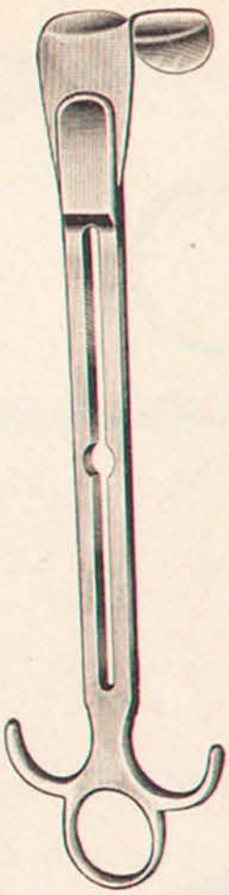
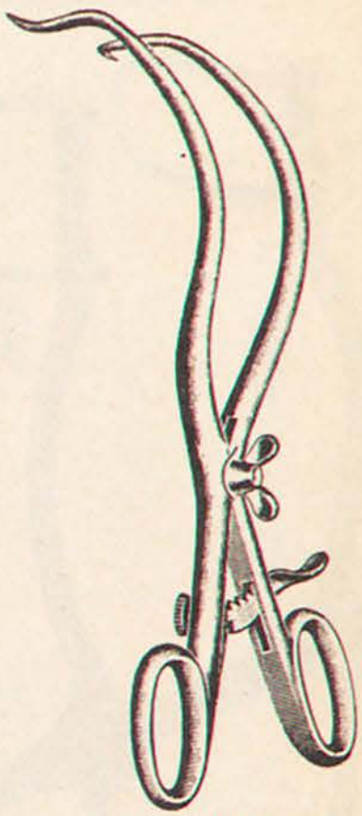
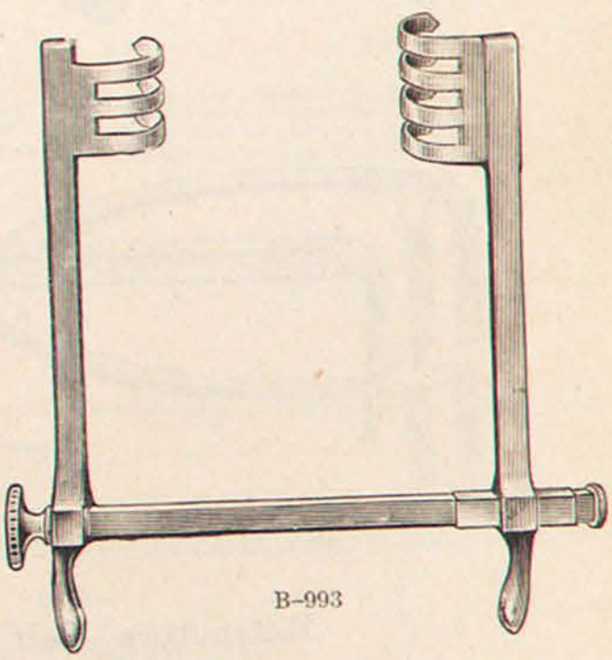


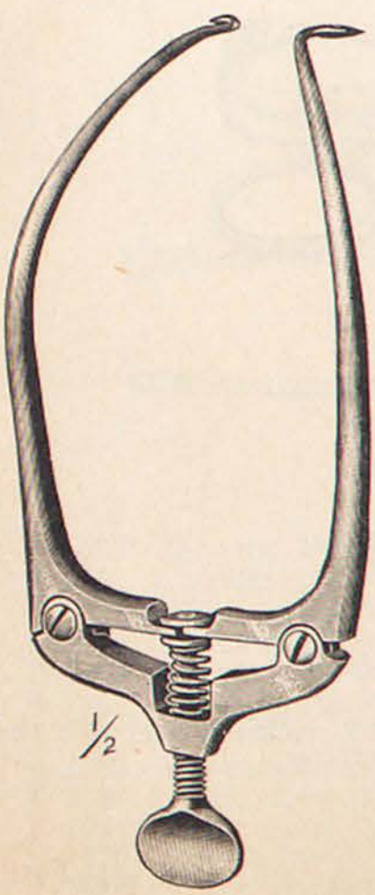
B–991



B–995



B–993



B–998

Retractors—Self Retaining

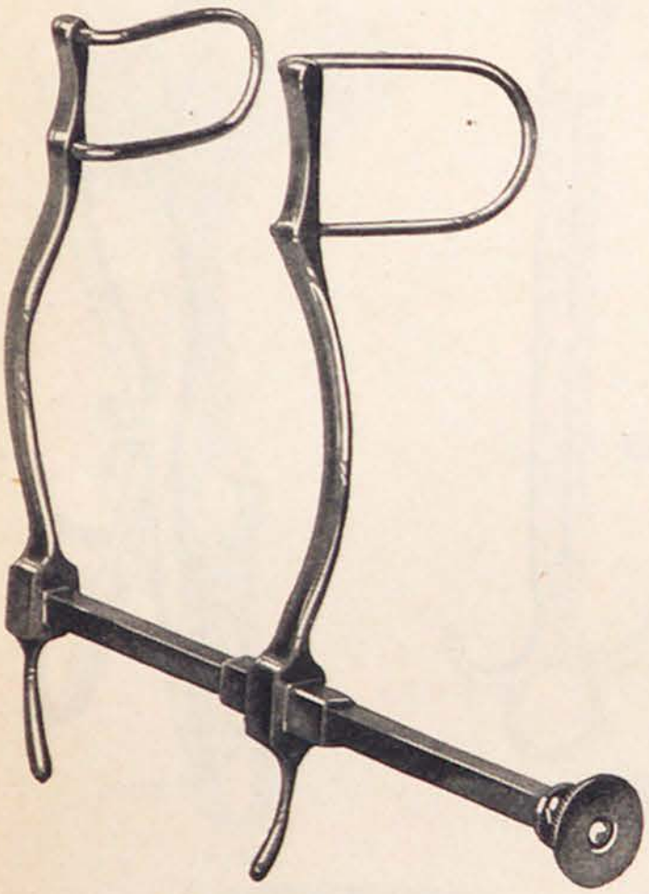
B–990 **Balfour's.**

B–991 **Balfour's,** narrow blade only.

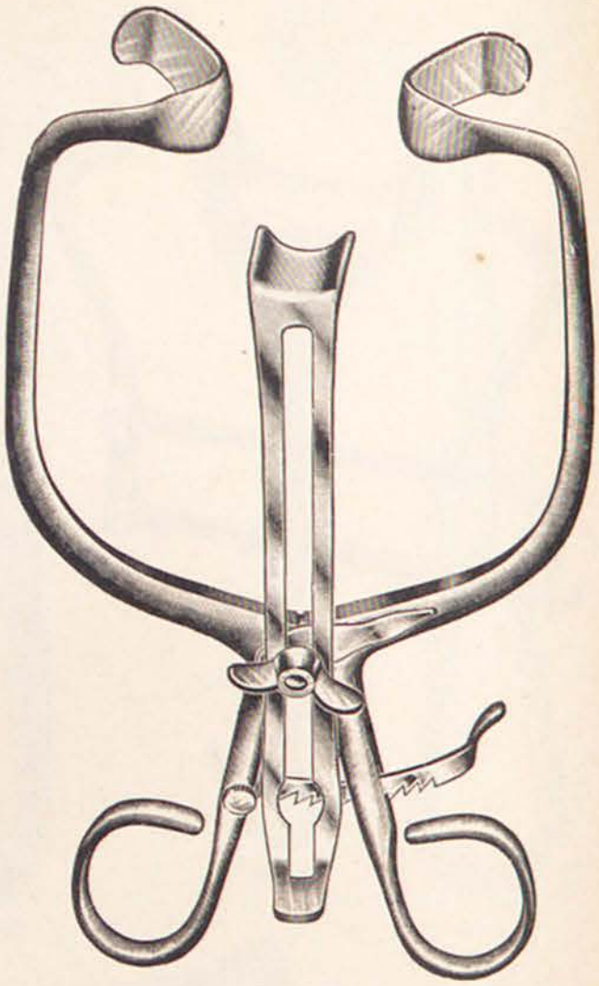
B–993 **Frazier's,** laminectomy.

B–995 **Gelpi's,** perineal.

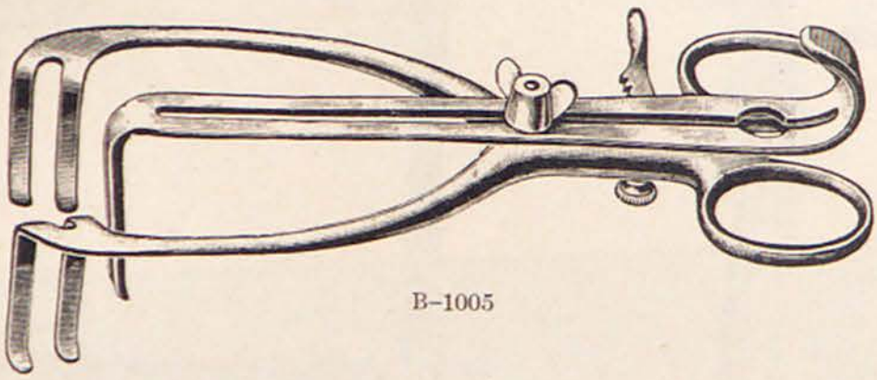
B–998 **Gelpi's,** modified by **Pitkin,** perineal.



B–1000-1001



B–1008



B–1005

Retractors—Self Retaining

B–1000 **Gossert's,** self retaining, large.

B–1001 **Gossert's,** self retaining, small.

B–1005 **Mayo-Collins',** for appendectomy and herniotomy.

*B–1006 **Mayo's** (Dr. W. J.), for appendectomy and herniotomy. This retractor is the same as B–1005, minus the third blade.

B–1008 **Mayo-Collins'-Simpson's,** abdominal.

*B–1010 **Mayo-Simpson's,** abdominal. This retractor is the same as B–1008, minus the third blade.



B–1050



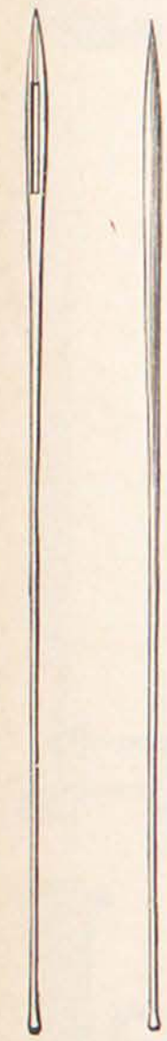
B–1054



B–1055



B–1057

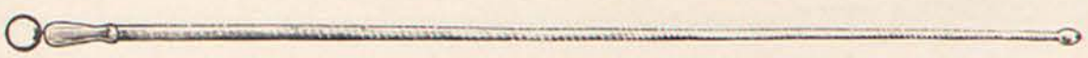


B–1060
1062

B–1063
1064



B–1070



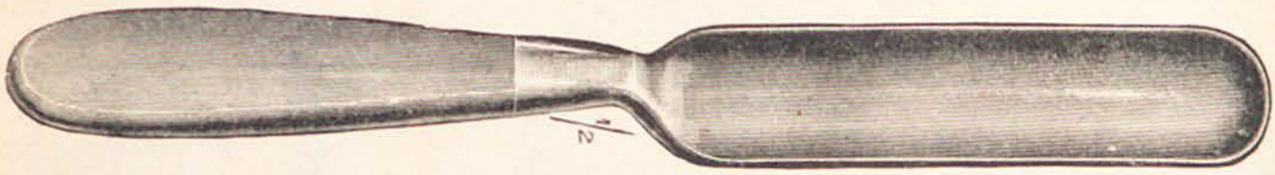
B–1072



B–1074

Directors, Probes, etc.

B–1050 Director, **Boyd's,** hernia.
*B–1052 Director, grooved, with aneurism needle, plated.
B–1054 Director, grooved, with tongue tie, plated.
B–1055 Director, grooved, with tongue tie, probe point, plated.
B–1057 Director, **Kocher's.**
B–1060 Probe, with eye, plated, 4½ inches, 5 inches, 5½ inches, 6 inches, 8 inches, 10 inches, 12 inches.
B–1062 Probe, with eye, silver, same lengths as B–1060.
B–1063 Probe, spear point, plated, same lengths as B–1060.
B–1064 Probe, spear point, silver, same lengths as B–1060.
B–1070 Probes, **Desjardine's,** gall stone, 3 sizes.
B–1072 Probe, **Faenger's,** spiral, for gall duct; can also be used as a catheter.
B–1074 Probe, **Mayo's,** block tin, with scoop and director, for gall duct.



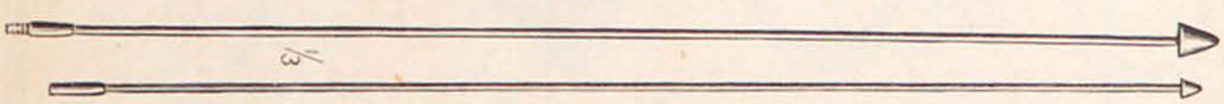
B–1080



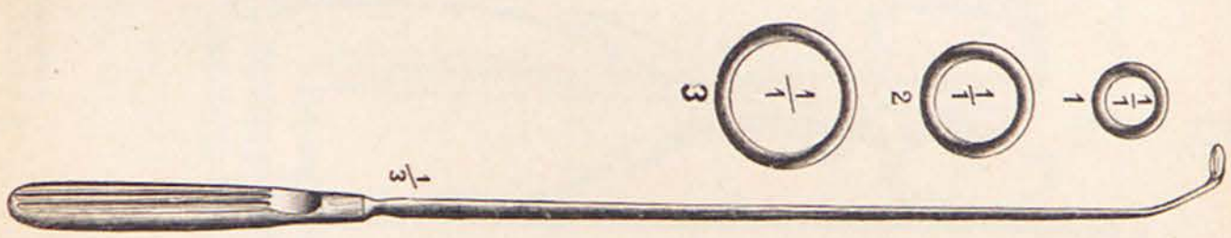
B–1085



B–1086



B–1090



B–1095

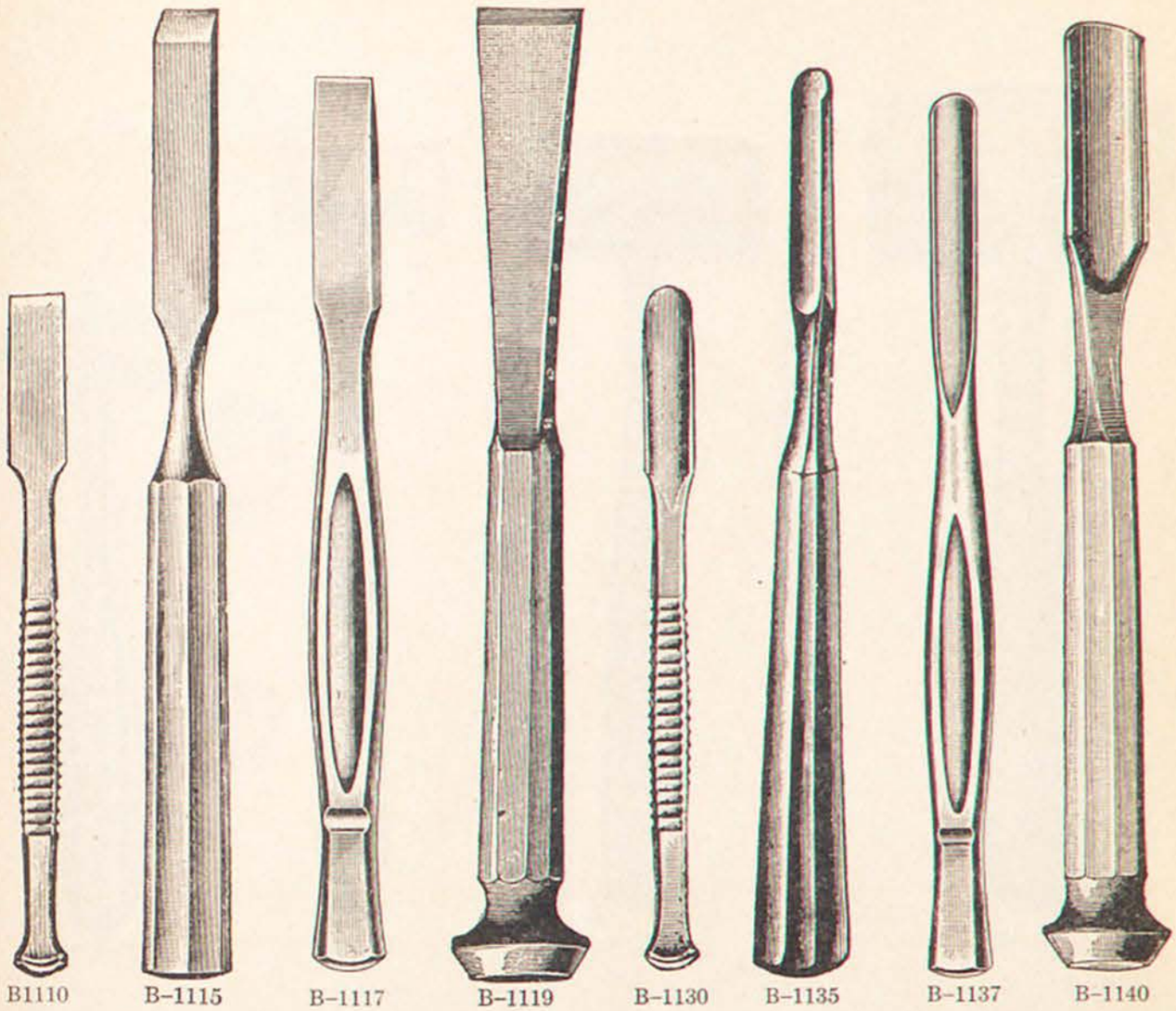
B–1080 Spoon, **Beck's,** for depressing the intestines in suturing the peritoneum.

B–1085 Tucker, **Mayo-Boldt's,** for tucking in the cuff of the appendix.

B–1086 Tucker and Packer, **Mayo-Kelly's.**

B–1090 Vein Stripper, **Babcock's,** jointed.

B–1095 Vein Stripper, **Mayo's,** 3 sizes, for stripping or dissecting varicose veins.



B1110 B–1115 B–1117 B–1119 B–1130 B–1135 B–1137 B–1140



B–1121

Chisels

B–1110 Plain, 3 widths.

B–1115 **Bruns',** 3 widths.

B–1117 **Gutsch's,** 3 widths.

B–1119 **McEwen's,** 3 widths.

B–1120 **U. S. A.** pattern, bevel edge, 6, 11 and 14 mm.

B–1121 **U. S. A.** pattern, osteotome edge, 6, 11 and 14 mm.

Gouges

B–1130 Plain, 3 widths.

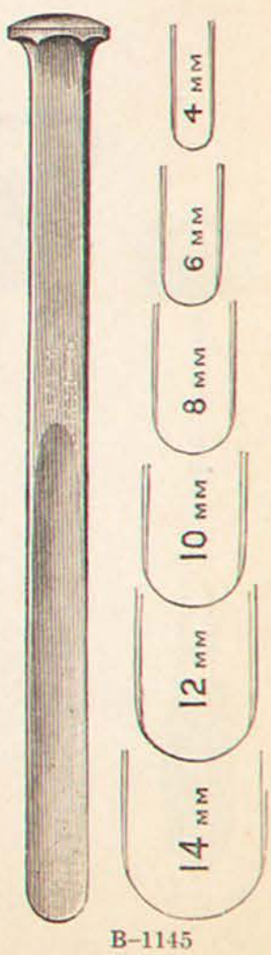
B–1135 **Bruns',** 3 widths.

B–1137 **Gutsch's,** 3 widths.

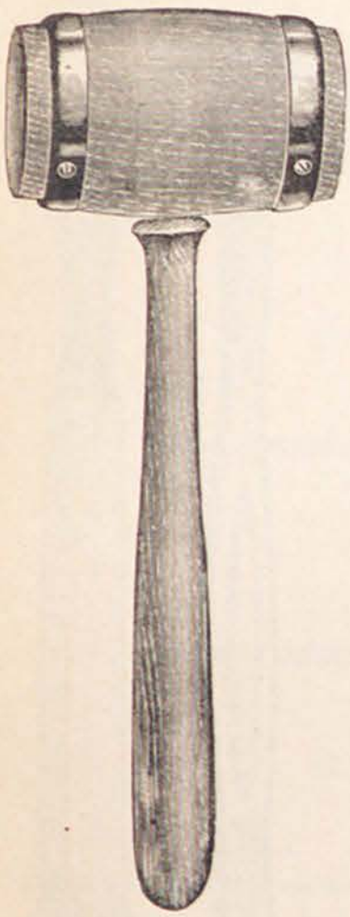
B–1140 **McEwen's,** 3 widths.

*B–1142 **Scymanowsky's,** large.

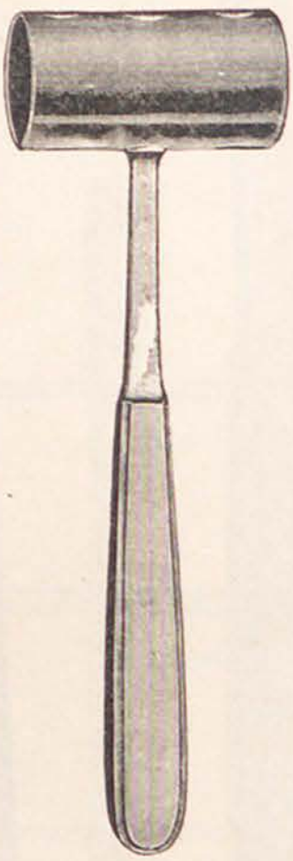
B–1145 **U. S. A.** pattern, 6 widths.



B–1145



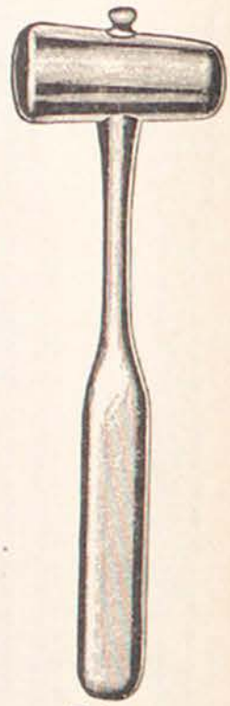
B–1160



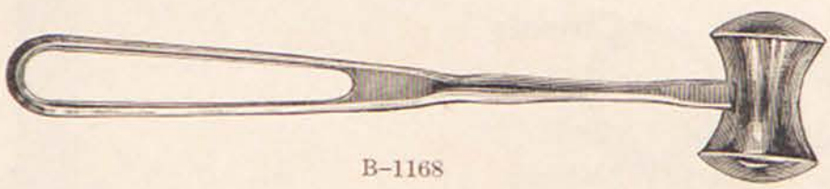
B–1162



B–1164



B–1166



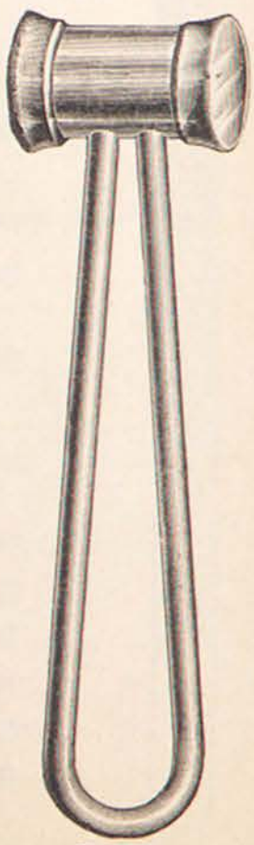
B–1168



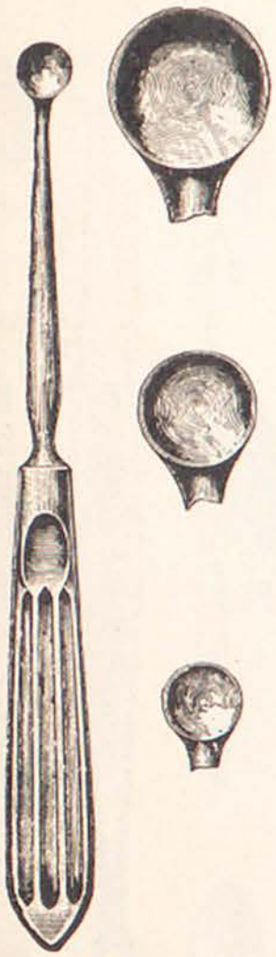
B–1170

Mallets

B–1160 **Boxwood,** plain, metal bound.
B–1162 **Fibre,** metal handle.
B–1164 **Hajek's.**
B–1166 **Jansen's,** small.
B–1168 **Lead,** regular.
B–1170 **Lead,** extra small.
B–1172 **Morgan's,** hard copper.
*B–1175 **Rawhide,** small, large.



B–1172



B–1190



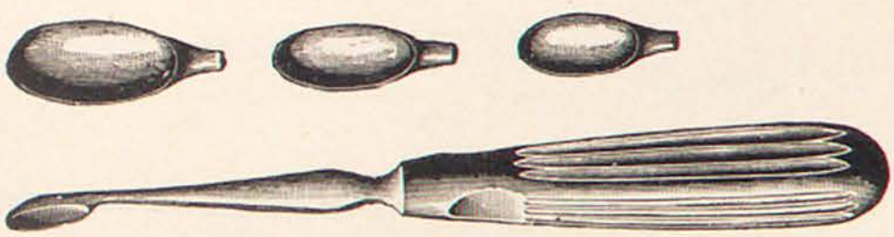
B–1195



B–1197



B–1200



B–1202

Bone Curettes

B–1190 **Brun's,** 3 sizes.

B–1195 **Farabeuf's,** curved, 1 size.

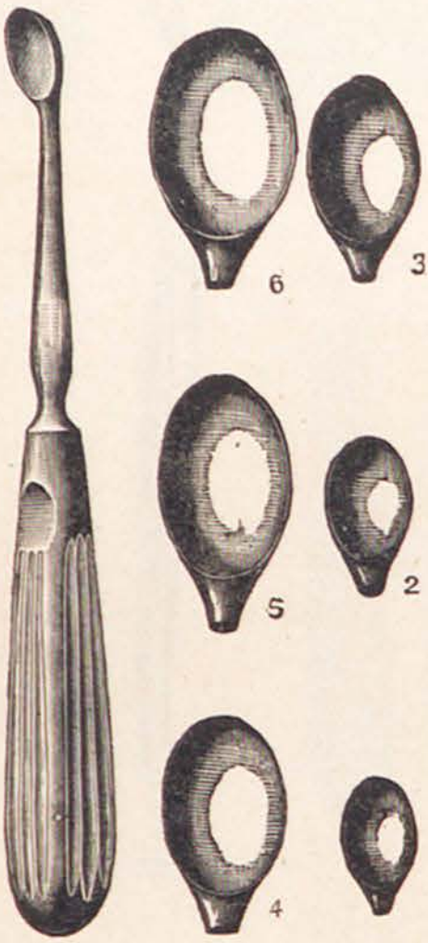
B–1197 **Ferguson's,** combined with pereosteotome.

B–1200 **Luer's,** 3 sizes, same as No. 1190.

B–1202 **Schede's,** 3 sizes.



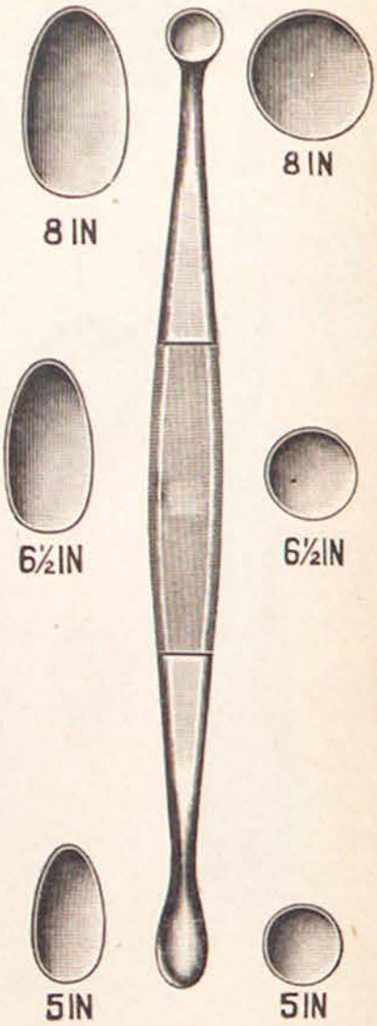
B–1205



B–1207



B–1209



B–1215



B–1220

Bone Curettes

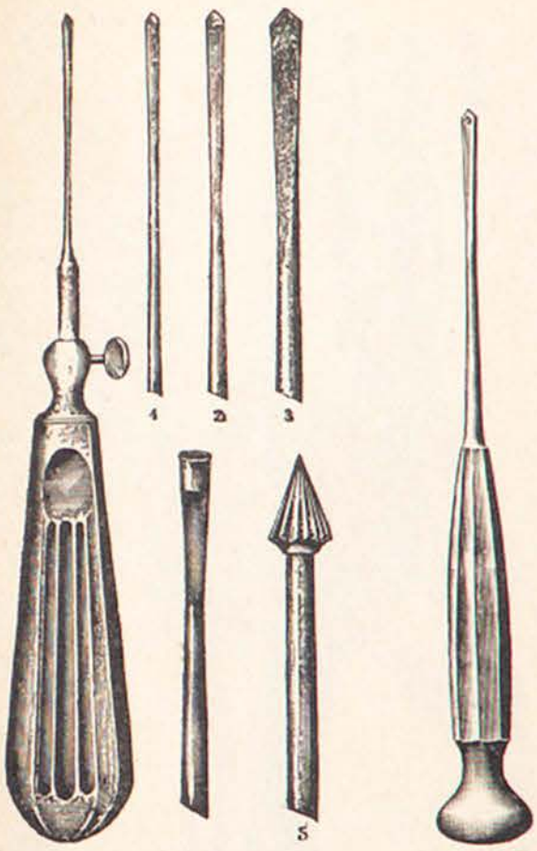
B–1205 **Simon's,** bone sinus, double ended.

B–1207 **Volkmann's,** 6 sizes.

B–1209 **Volkmann's,** oval, double end, 4½ inches, 5 inches, 5½ inches, 6½ inches, 7½ inches.

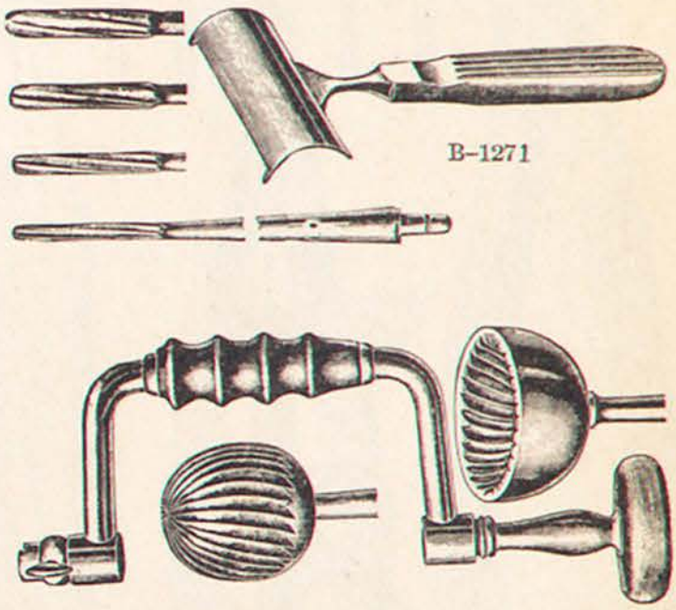
B–1215 **Volkmann's,** round and oval end, improved pattern, 5 inches, 6½ inches, 8 inches.

B–1220 **Volkmann's,** double end, English pattern, 8 inches.



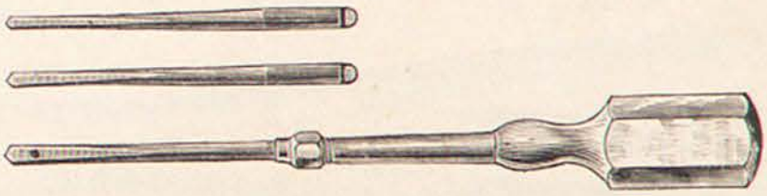
B–1250

B–1253



B–1271

B–1270



B–1265

Bone Drills

B–1250 **Brainard's,** set of 5 drills.

*B–1251 **Brainard's,** set of 5 drills, with hollow handle for holding drills.

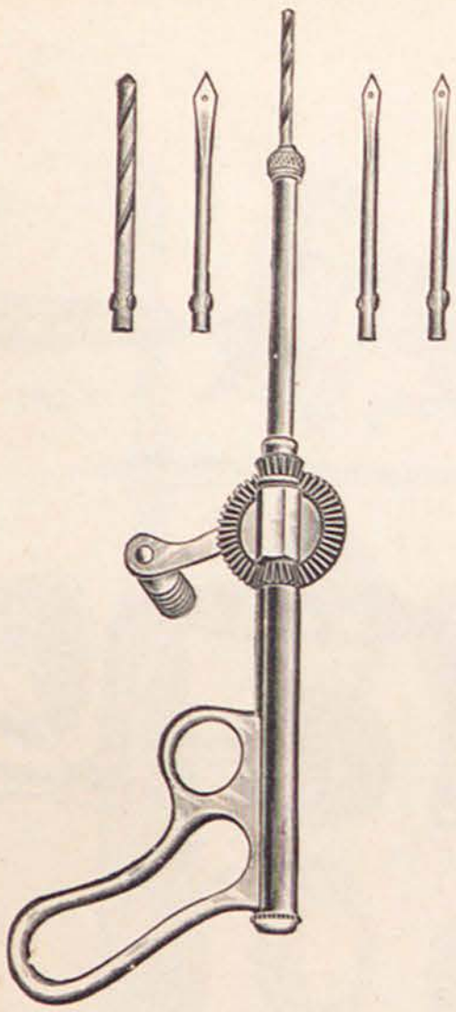
B–1253 **Esmarch's,** plain.

*B–1255 **Hamilton's,** with 6 drills, hollow handle for holding drills.

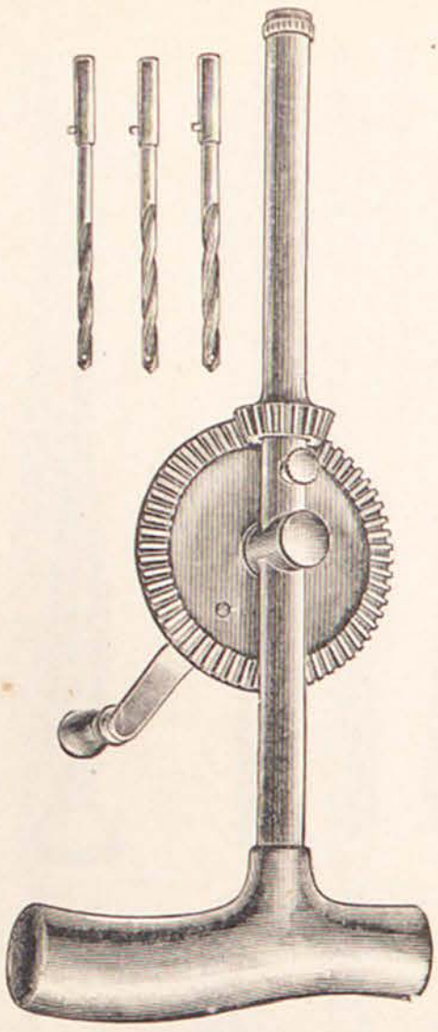
B–1265 **Lane's,** set of 3 drills.

B–1270 **Murphy's,** set of Medulla Reamers, 7¼ inches, complete with brace.

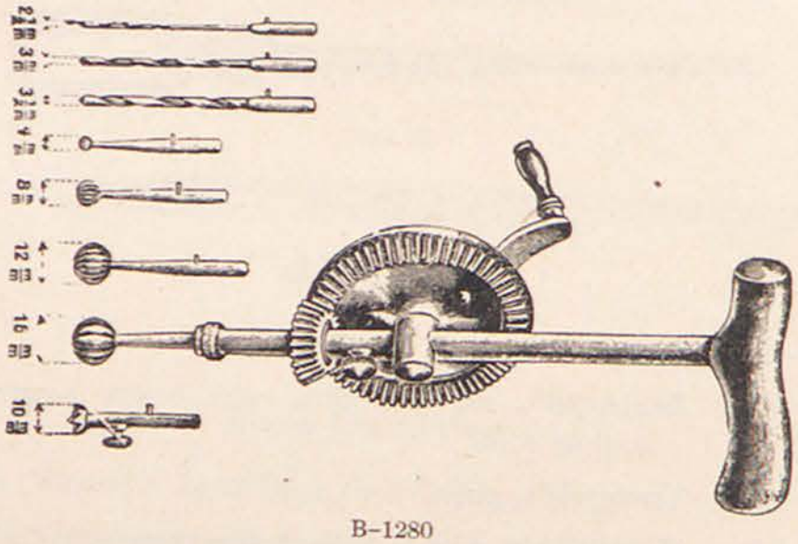
B–1271 **Murphy's,** retractor guide.



B–1275



B–1285



B–1280

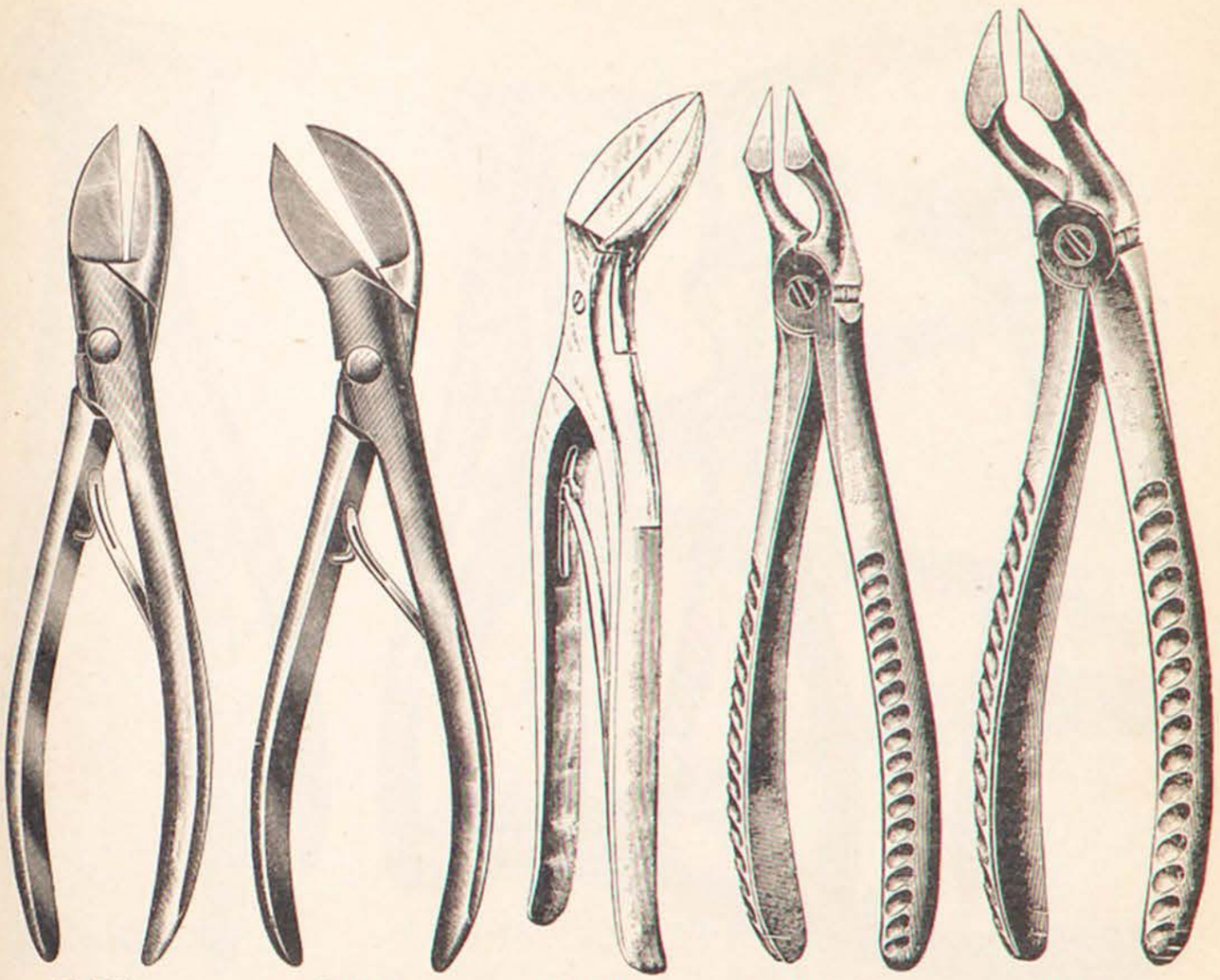
Bone Drills

*B–1273 **Richter's,** pistol grip, set of 6 drills with hollow handle for holding drills.

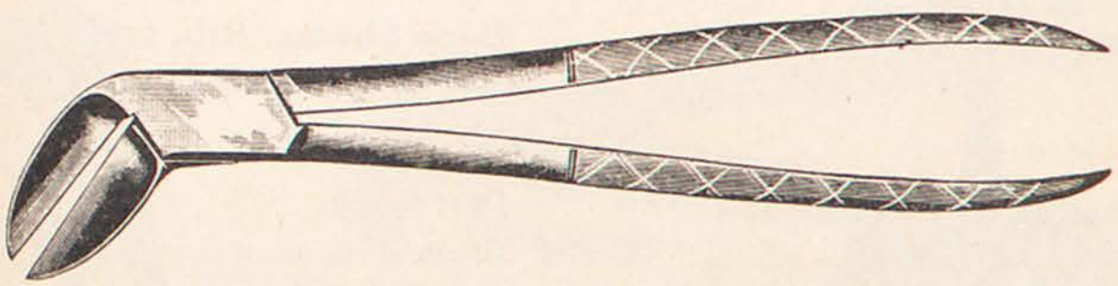
B–1275 **Richter's,** pistol grip, set of 6 drills, with long shank for deep bone work and with chuck jaw.

B–1280 **Stille's,** set of 3 drills, 4 burrs and 1 crown.

B–1285 **Stille-Sherman's,** complete with 3 points.



B–1300 B–1308 B–1310 B–1330 B–1340



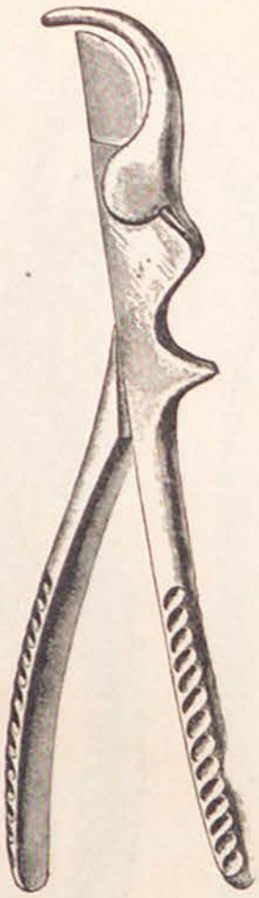
B–1315

Bone Cutting Forceps

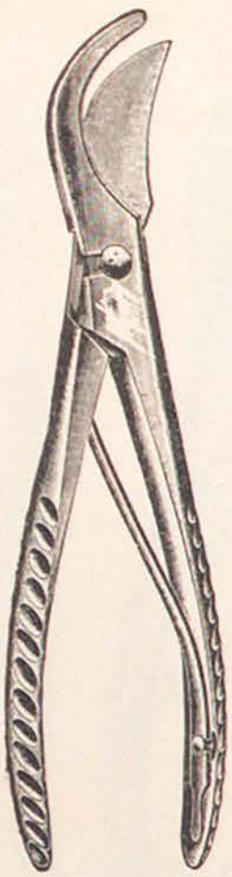
B–1300 **Liston's,** straight, 5¾ inches, 6¾ inches, 7¾ inches, 8¾ inches, 10 inches, 11 inches.
*B–1305 **Liston's,** straight, with straight form of handle, 7¾ inches, 8¾ inches.
B–1308 **Liston's,** curved on flat, 5¾ inches, 6¾ inches, 7¾ inches, 8¾ inches, 10 inches, 11 inches.
B–1310 **Liston's,** curved on flat, with straight form of handle, 7¾ inches, 8¾ inches.
*B–1312 **Liston's,** angular, 7 inches, 8¾ inches.
B–1315 **Liston-Mayo's,** angular, 12 inches.
*B–1320 **Liston-Issac's,** bayonet shape.
*B–1325 **Liston's,** double jointed, very powerful.
B–1330 **Horsley's,** double curved, 7 inches.
*B–1332 **Horsley's,** straight, fine prismatic points, 7 inches.
*B–1334 **Horsley's,** with crank bend, acute angle, fine prismatic points, 7¾ inches.
*B–1336 **Horsley's,** with crank bend, fine prismatic points, 7 inches.
*B–1338 **Horsley's,** with double bend, 10½ inches.
B–1340 **Horsley's,** with double bend, 7¾ inches, acute angle.
*B–1345 **Satterlee's.**
*B–1350 **Velpeaux's,** maxillary.



B–1360



B–1364-1365



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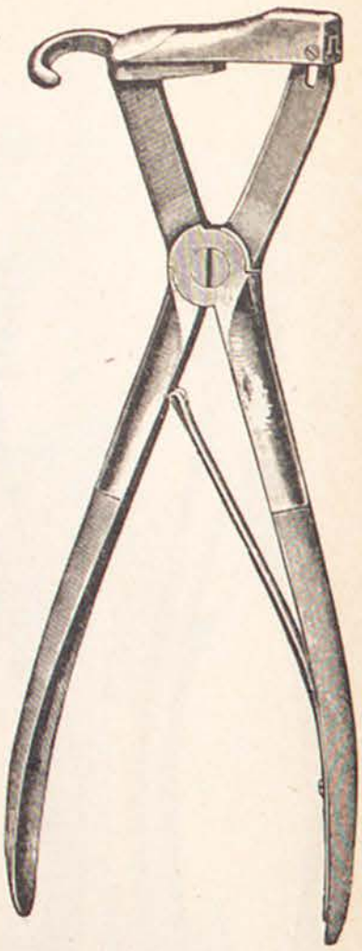
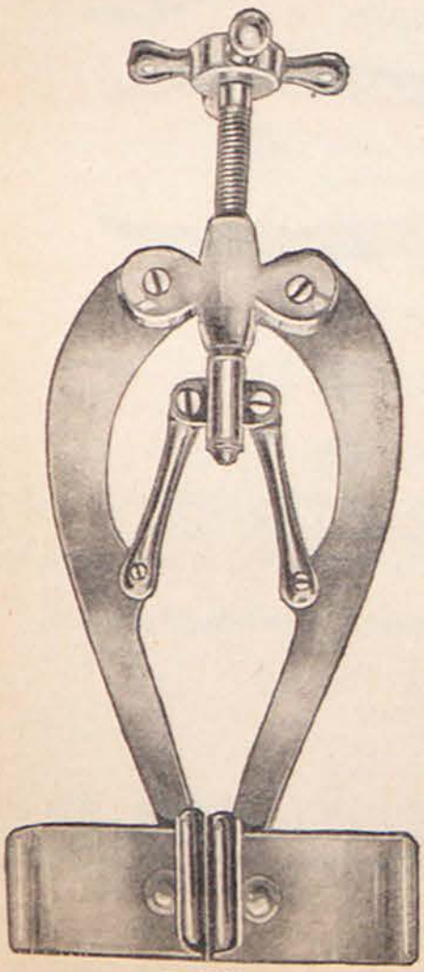


B–1375



B–1388

Bone Shears, Rib, and Rib Spreaders

B–1360 **Collin's,** rib.

*B–1362 **Doyon's,** rib.

B–1364 **Gluck's,** rib, small.

B–1365 **Gluck's,** rib, large.

*B–1367 **Mathieu's,** rib, full curved.

B–1369 Plain, rib.

*B–1371 Plain, rib, eccentric, with sliding blade.

B–1375 **Schoemaker's,** rib.

*B–1380 **Stille's,** rib.

Rib Spreaders

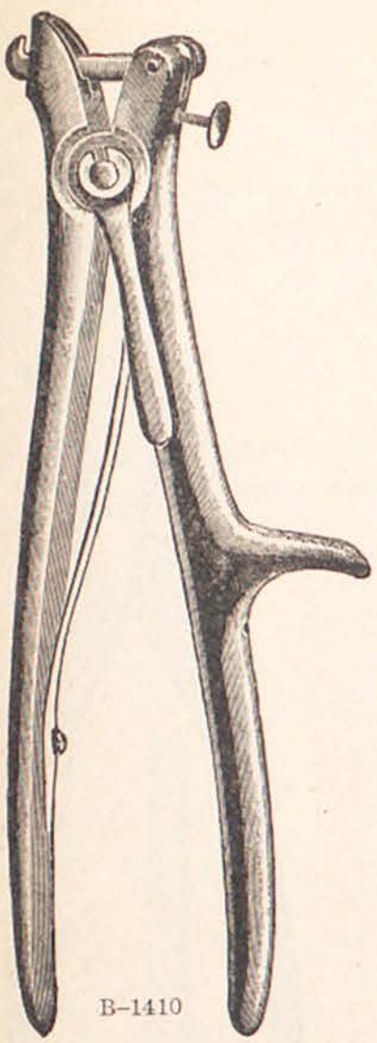
*B–1385 **Lilienthal's.**

B–1388 **McGuire's.**

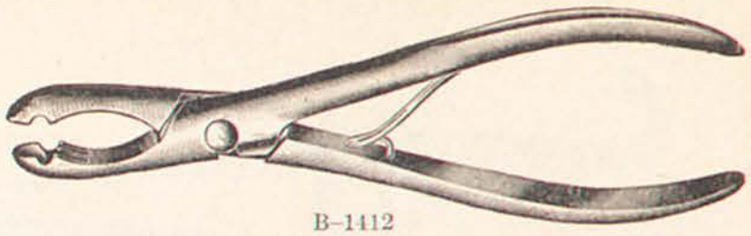
*B–1390 **Mikulicz-Friederich's.**

*B–1395 **Sauerbruck's.**

*B–1400 **Tuffier's.**



B–1410



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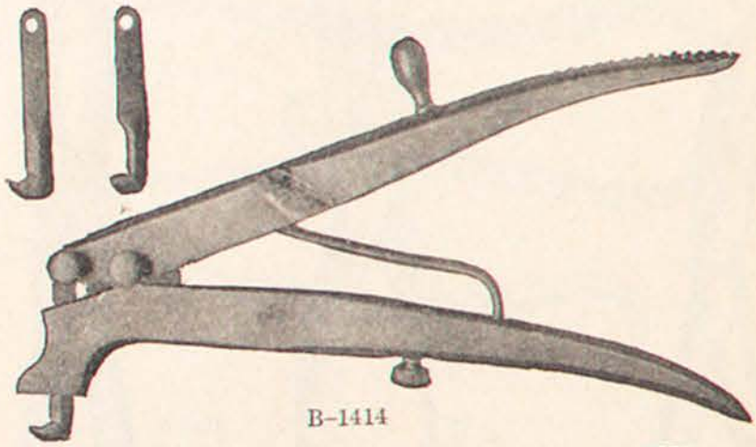

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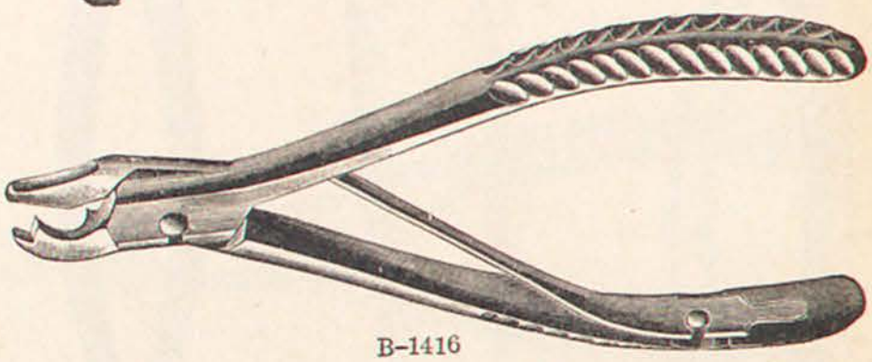

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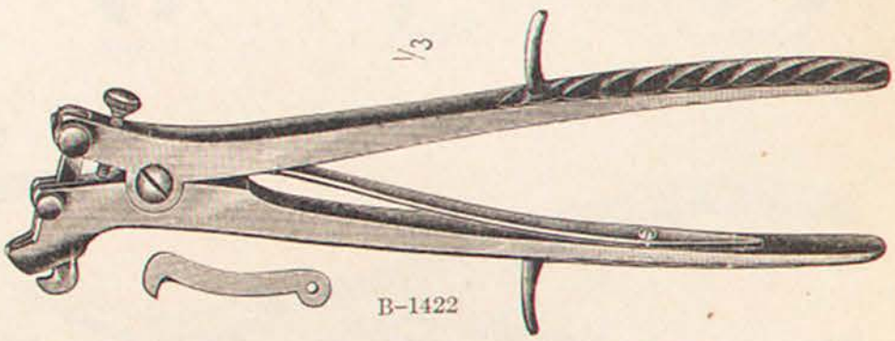

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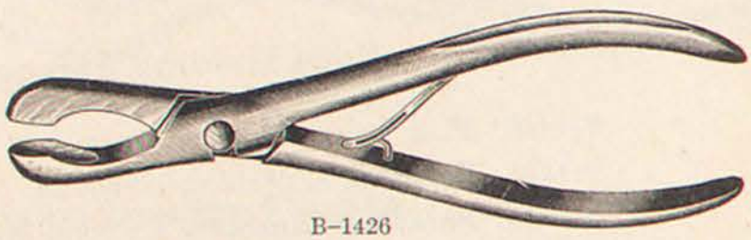

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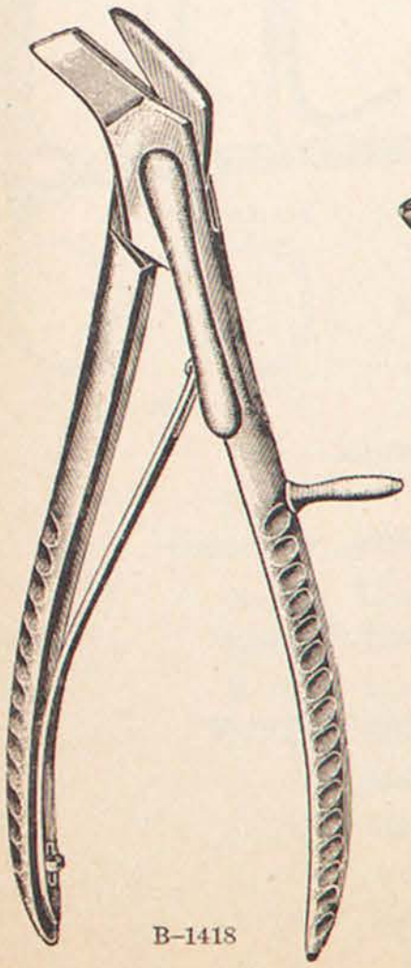
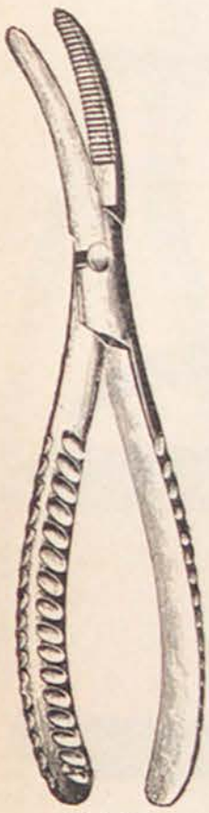


B–1418

Bone Gouging Forceps

B–1410	**Dahlgren's,** cranial, with 2 hooks.
B–1412	**Darby's.**
B–1414	**DeVilbiss',** cranial.
B–1416	**Doyen's,** cranial.
B–1418	**Hoffman's,** angular.
*B–1420	**Hopkin's,** cranial and spinal.
B–1422	**Hudson's,** cranial, with extra blade.
*B–1424	**Lombard's,** bayonet shape.
B–1426	**Luer's,** straight.
*B–1428	**Luer's,** curved on flat.



B–1440



B–1445



B–1450

B–1460-1462

Bone Holding Forceps

B–1440 Plain Sequestrum Forceps, curved sideways.

B–1445 **Farabeuf's,** double articulation.

*B–1446 **Farabeuf-Lambotte's,** double articulation, with ratchet.

B–1450 **Ferguson's,** lion jaw.

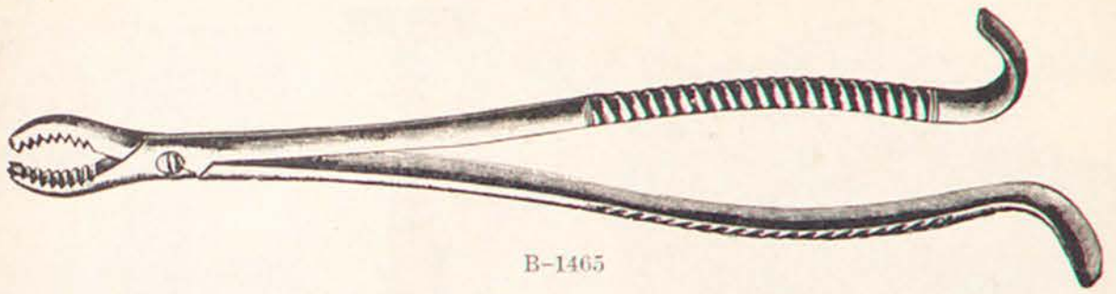
*B–1455 **James',** angular, for holding bone plate and bone at the same time.

*B–1456 **James',** straight, for holding bone plate and bone at same time.

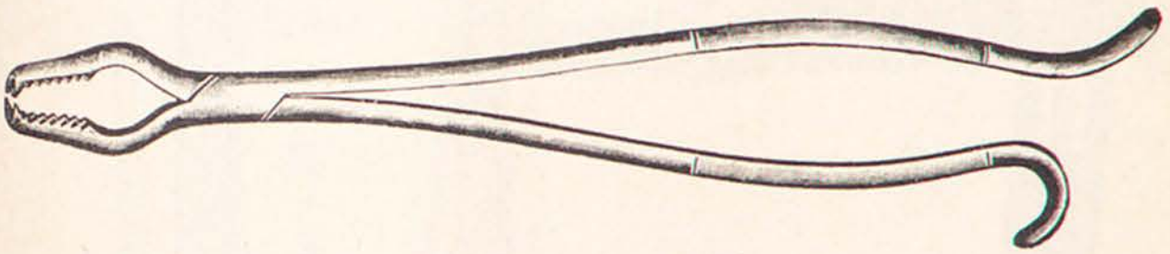
B–1460 **Lambotte's,** small, 8¾ inches.

B–1461 **Lambotte's,** medium, 10¾ inches.

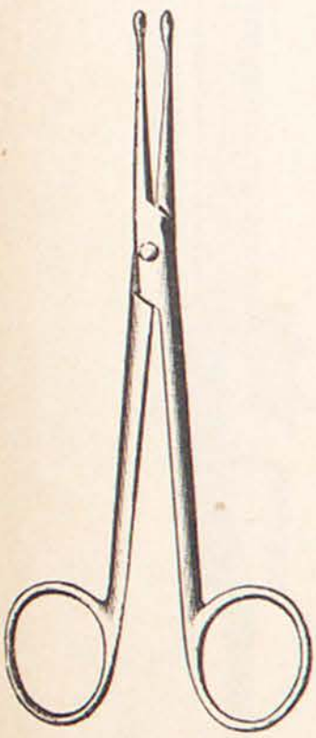
B–1462 **Lambotte's,** large, 12¾ inches.



B–1465



B–1467



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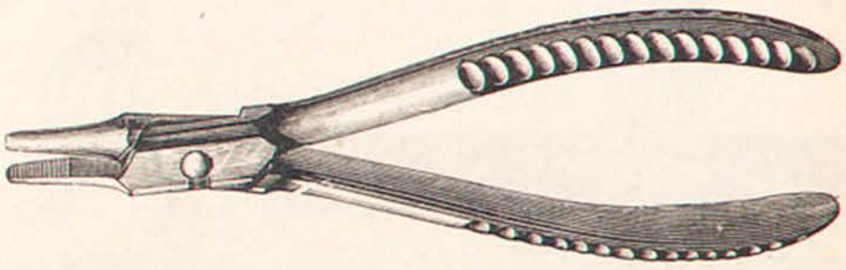
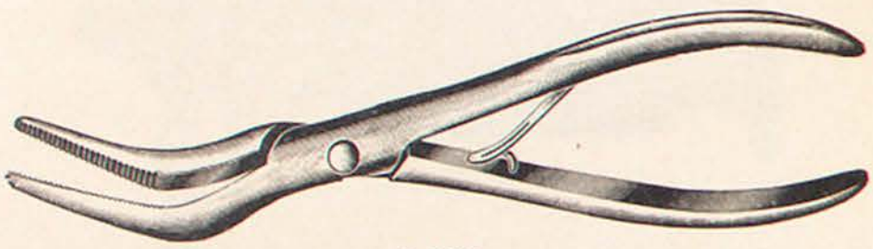


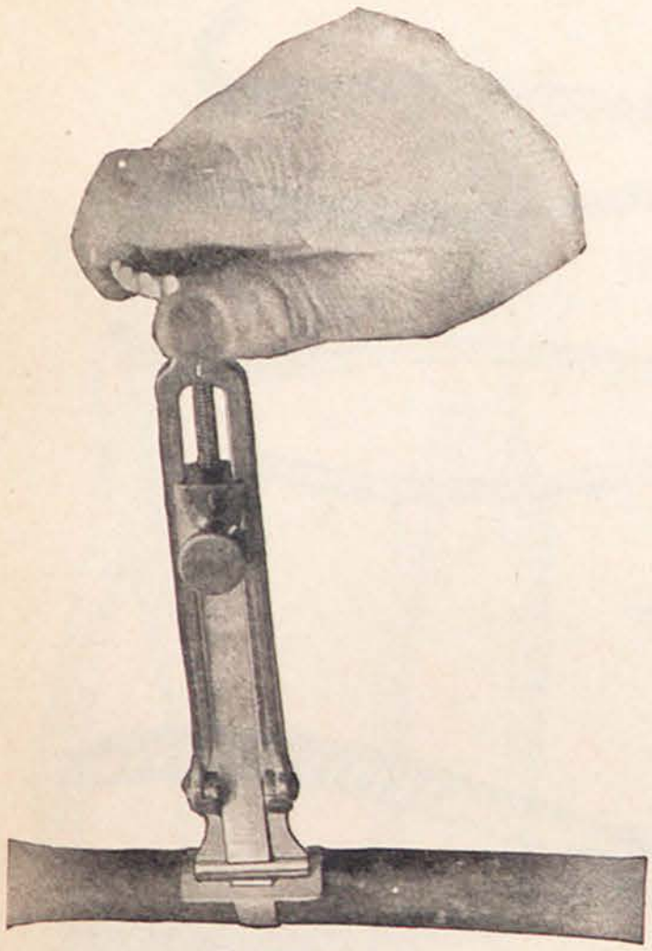
B–1480



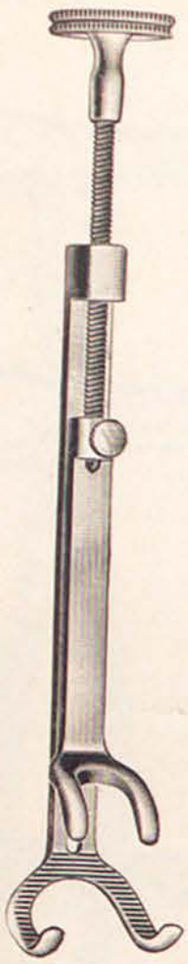
B–1485

Bone Holding Forceps

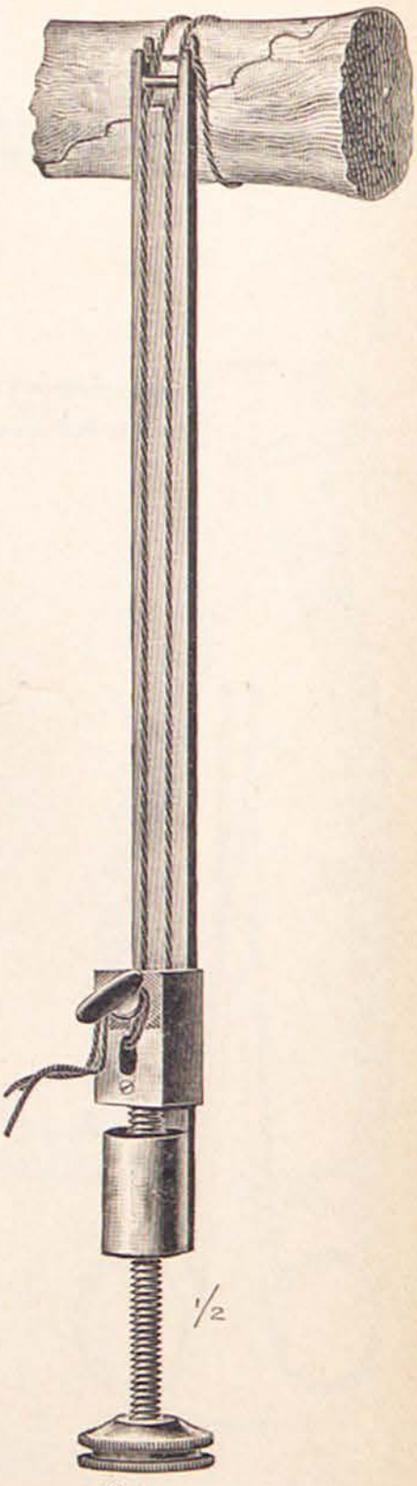
B–1465 **Lane's,** original model, 12 inches.
B–1467 **Lane's,** improved model, 12 inches, 17½ inches.
B–1470 **Lister's,** spiculæ, for picking up bone fragments.
*B–1472 **Mathieu's,** straight, sequestrum.
*B–1474 **Mathieu's,** curved on edge, sequestrum.
*B–1476 **Mathieu's,** angled on edge, sequestrum.
B–1480 **Post's,** toe nail.
B–1485 **VanBuren's,** bayonet shape, sequestrum.



B–1500



B–1520



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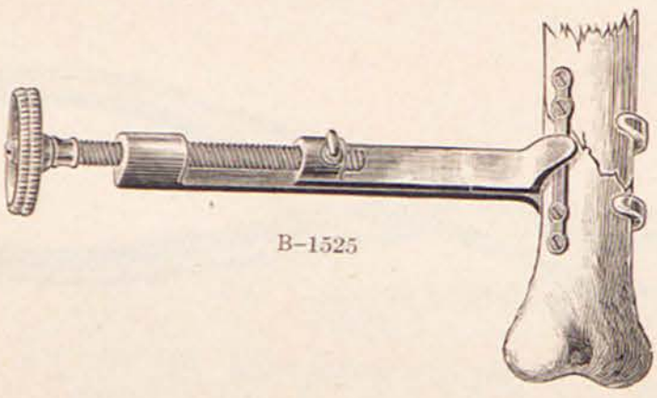
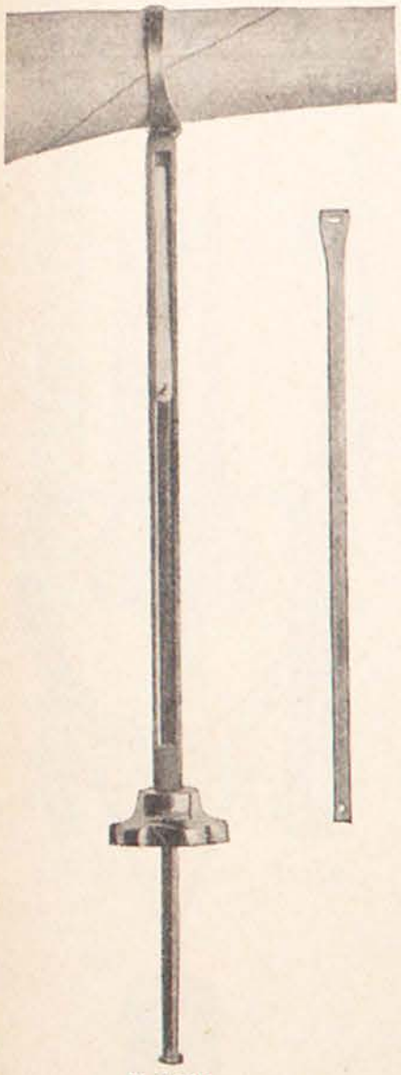


B–1525

Bone Holding Clamps

B–1500 **Collin's** Bone Fracture Clamp and Bands.
*B–1505 **Gerster-Lowman's** Bone Holding Clamp.
B–1510 **Hawley's** Bone Holding Clamp.
B–1520 **Lambert-Lowman's** Bone Holding Clamp.
B–1525 **Lowman's** Bone Holding Clamp.
*B–1530 **Magnusson's** Bone Holding Clamp.



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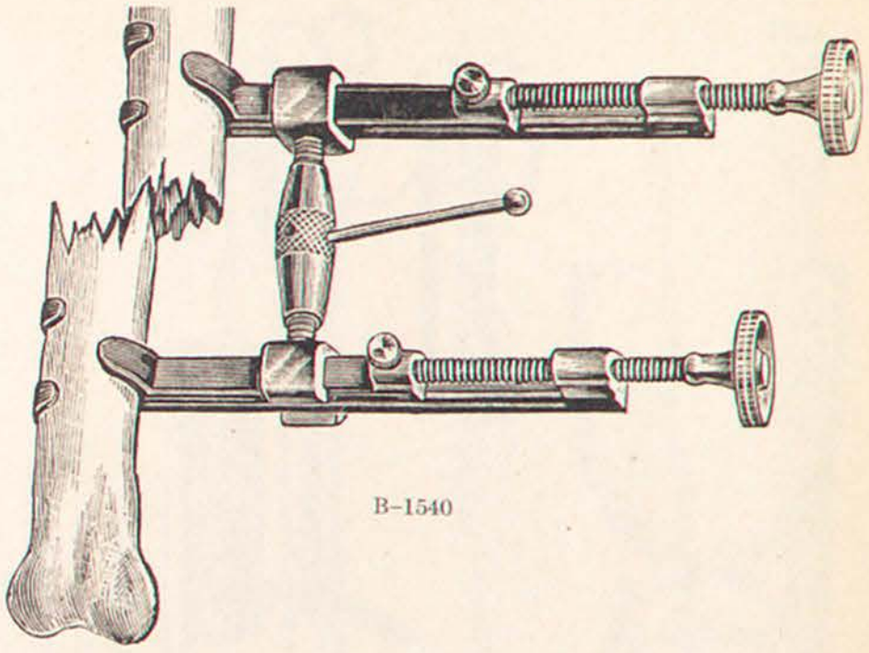

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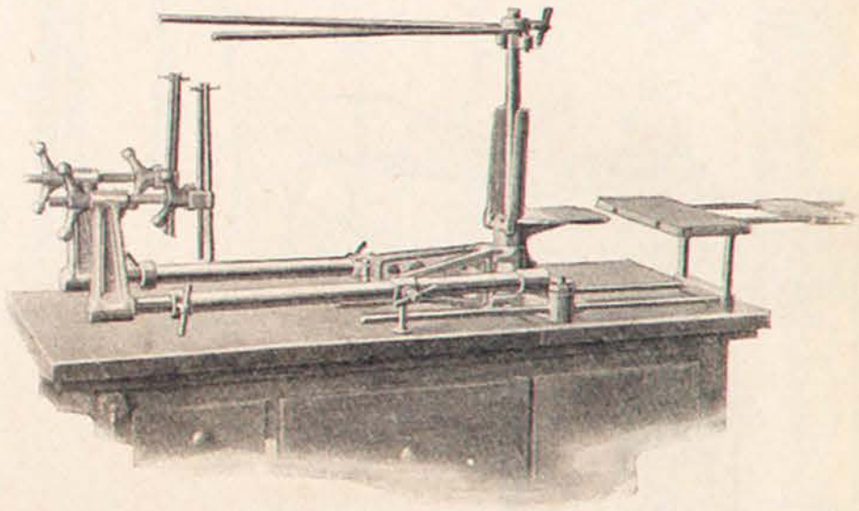


B–1550

Bone Holding Clamps

B–1535 **Parham** and **Martin's** Clamp and 2 bands.

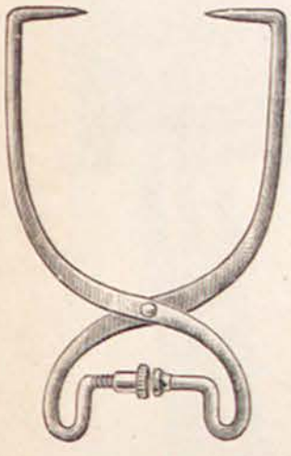
Bone Holder Turnbuckles

B–1540 **Gerster's** Turnbuckle.

*B–1545 **Haslam's** Turnbuckle.

Bone Traction Apparatus

B–1550 **Echols'** Traction Apparatus, latest improvement, for attachment to table.



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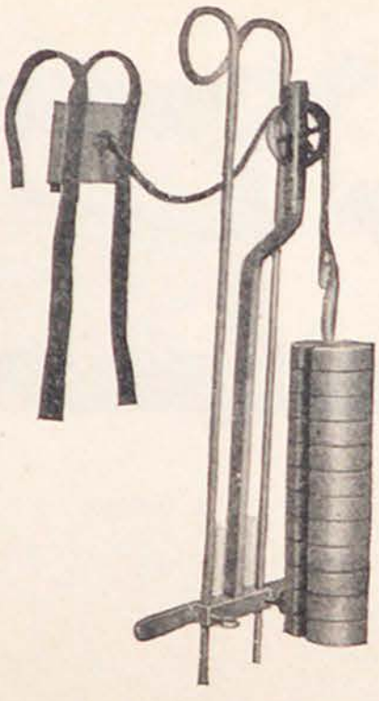
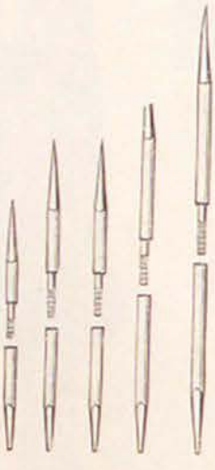
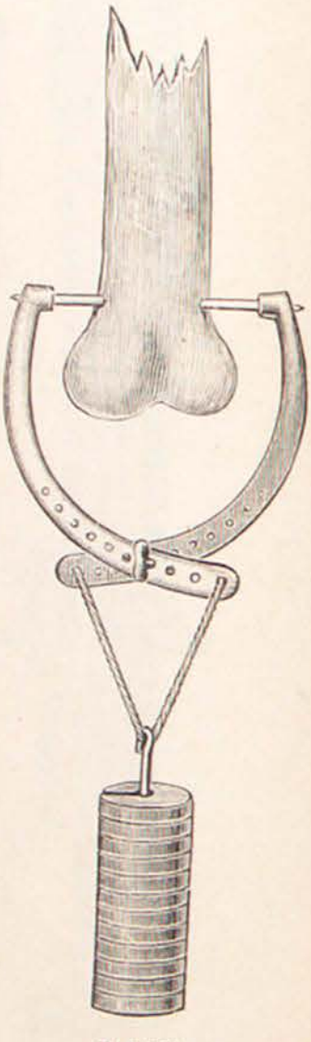
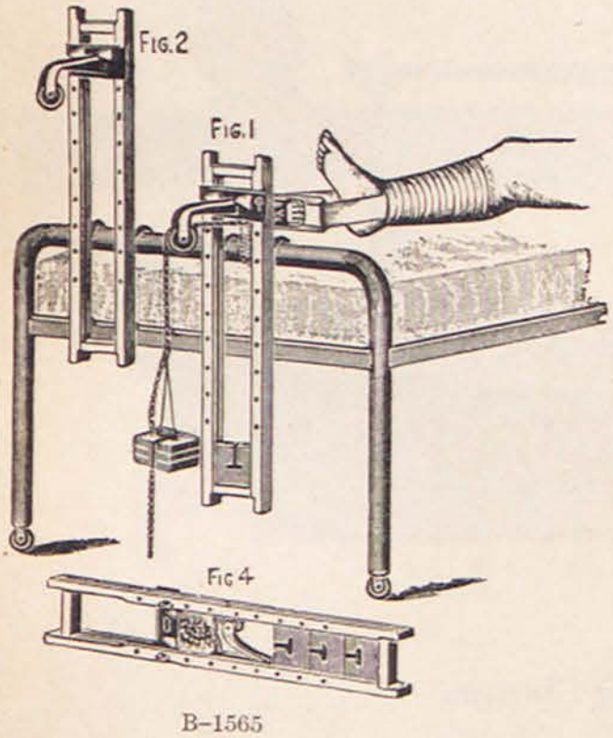


B–1560





B–1575



B–1565

Bone Traction and Extension Apparatus

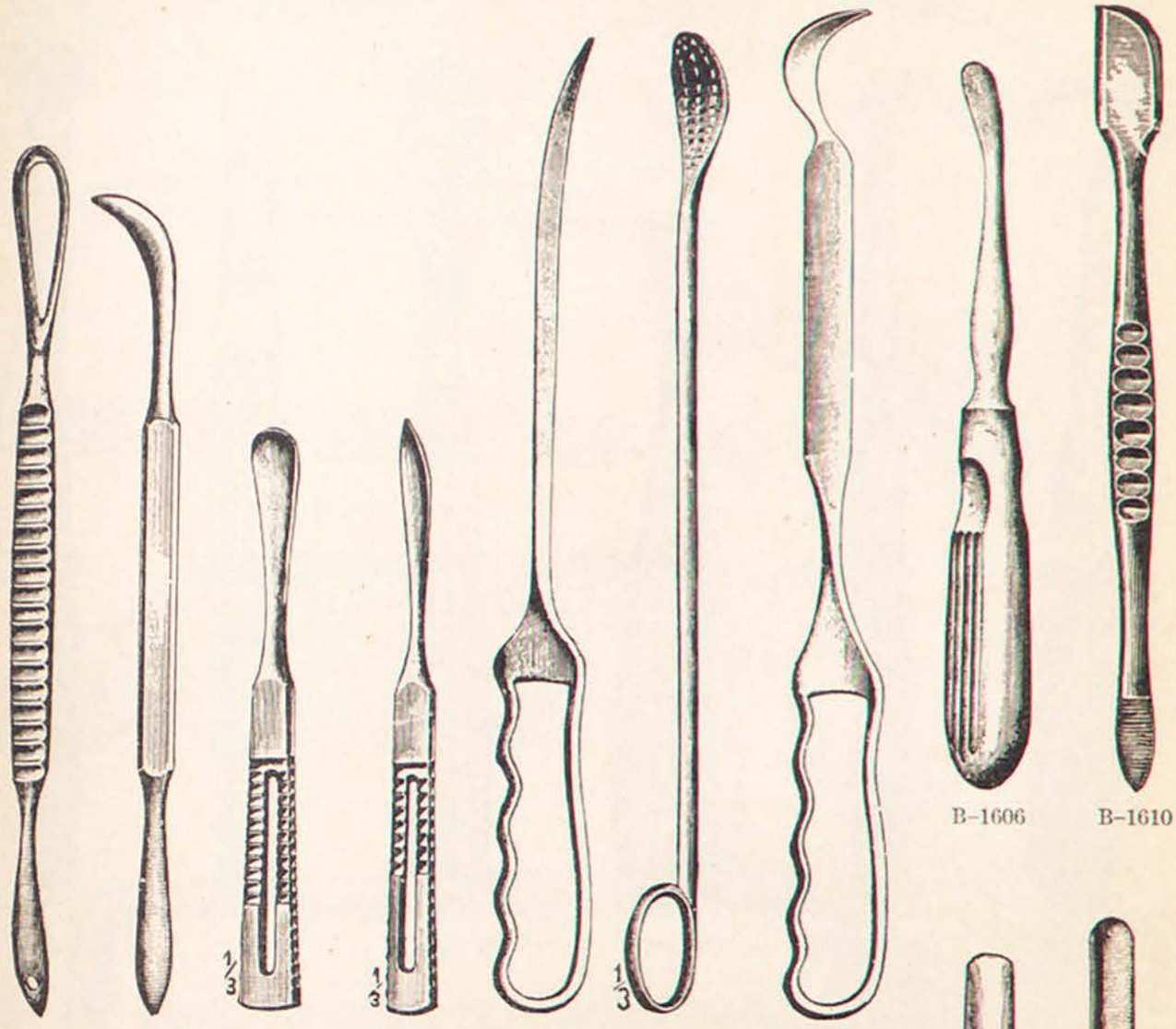
B–1555 **Edmonton's** Extension Tongs with rope.

B–1560 **Frazier's** Extension Apparatus, including weights.

B–1565 **Gorham's** Extension Apparatus, complete.

*B–1570 **Levis'** Extension Apparatus, complete.

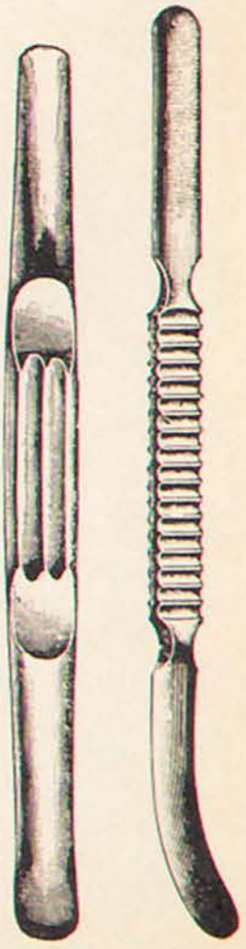
B–1575 **Steinmann's** Extension Apparatus, with 5 jointed steel needles and weights.



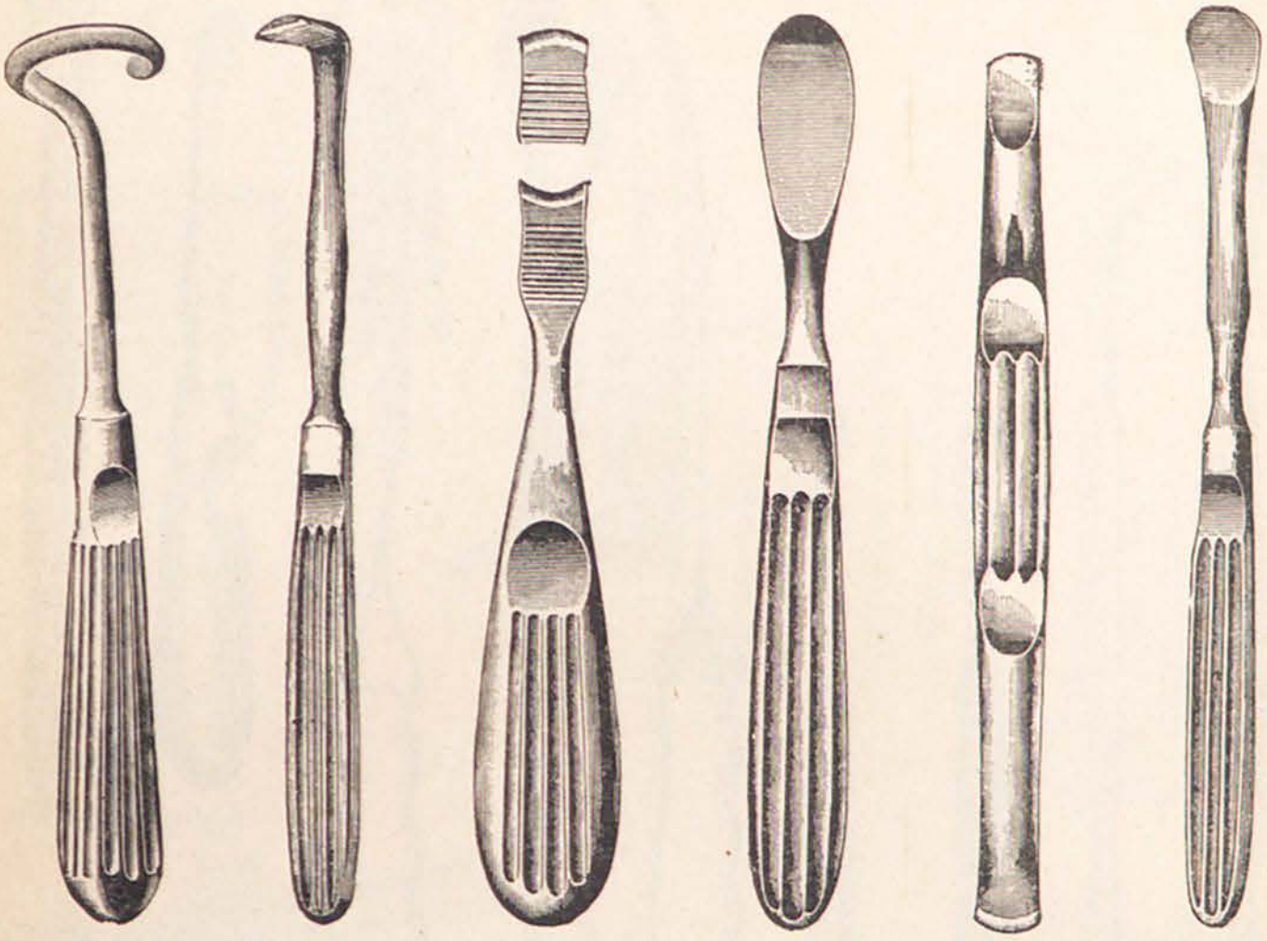
B-1590 B-1592 B-1596 B-1598 B-1600 B-1602 G-1604 B-1606 B-1610

Pereosteal Elevators

B-1590 **Adams'** Dry Dissector, double.
B-1592 **Allis'** Dry Dissector.
*B-1594 **Durham's,** double ended, elevator and dissector.
B-1596 **Lane's** Detacher or Elevator, broad.
B-1598 **Lane's** Detacher or Elevator, narrow.
B-1600 **Lane's** Detacher and Dissector, sharp pointed.
B-1602 **Lane's** Elevator and Retractor, ring handle.
B-1604 **Lane's** Elevator and Retractor, improved.
B-1606 Massachusetts General Hospital Pattern.
B-1610 Plain, with raspatory.
B-1615 **Sayre's,** double ended, blunt.
B-1620 **Watson-Cheyne's** double-ended, dissector.



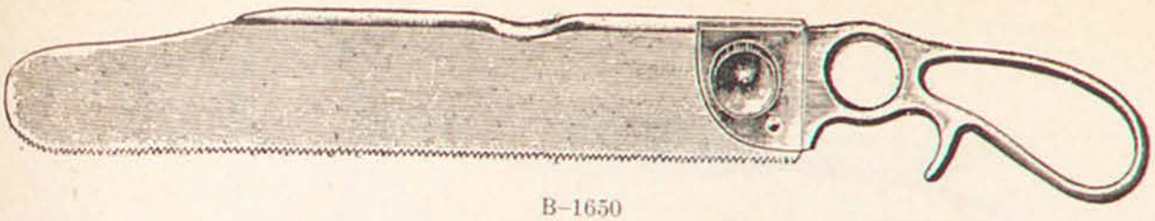
B-1615 B-1620



B-1625 B-1630 B-1633 B-1635 B-1638 B-1640

Raspatories

B-1625 **Doyen's,** for costal periosteum.
*B-1627 **Friedrich's,** for costal periosteum, 3 sizes.
B-1630 **Langenbeck's,** angular bent.
*B-1631 **Langenbeck's,** hook shape.
B-1633 **Mathieu's,** straight, convex, concave.
B-1635 **Ollier's,** round.
*B-1636 **Ollier's,** knife shape.
B-1638 **Sayre's,** double ended, sharp.
B-1640 **Sedillot's.**



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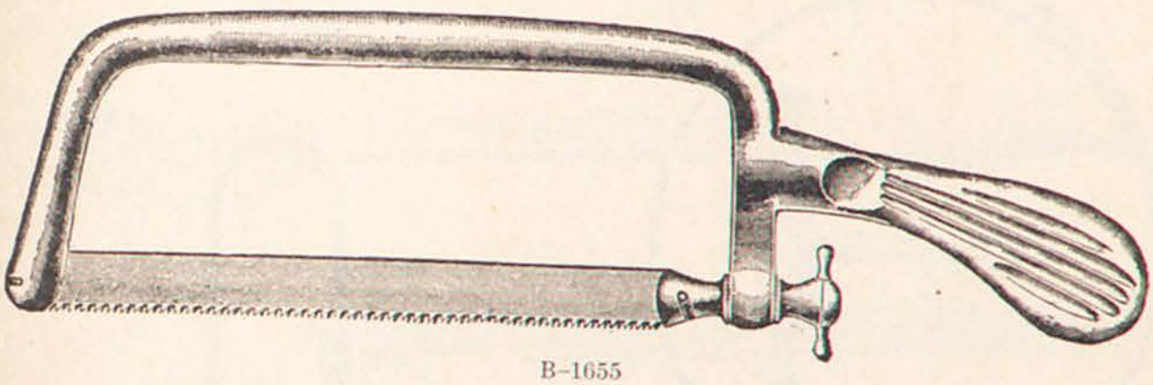

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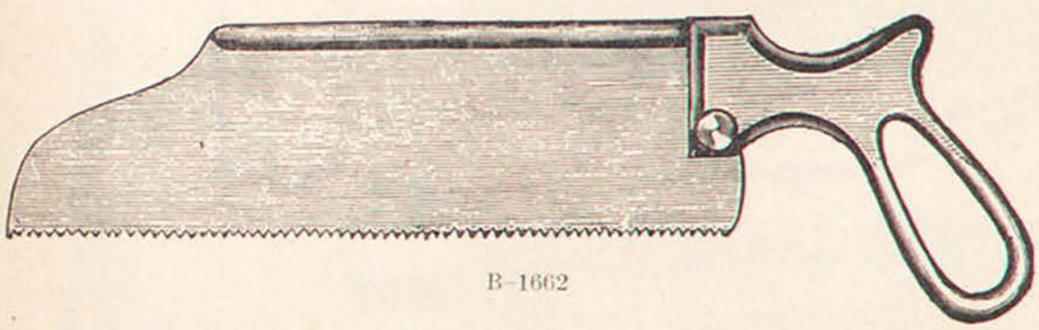
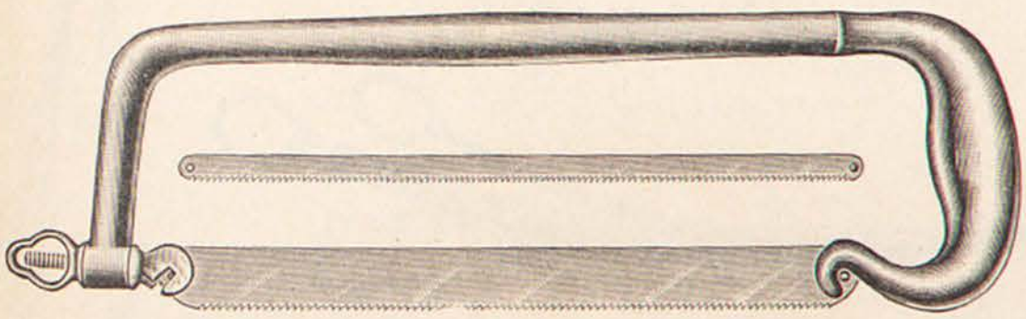


B–1662



B–1668



B–1664

Capital Saws

B–1650 **Charriere's,** 6 inches, 7 inches, 8 inches, 9½ inches.
B–1655 **Charriere's,** bow, with 2 blades.
*B–1660 **Parker's.**
*B–1661 **Reiner's,** bow, American pattern.
B–1662 **Satterlee's.**
B–1664 **U. S. Army** Bow Saw.

Chain Saws

*B–1666 **Jeffrey's.**

Metacarpal Saws

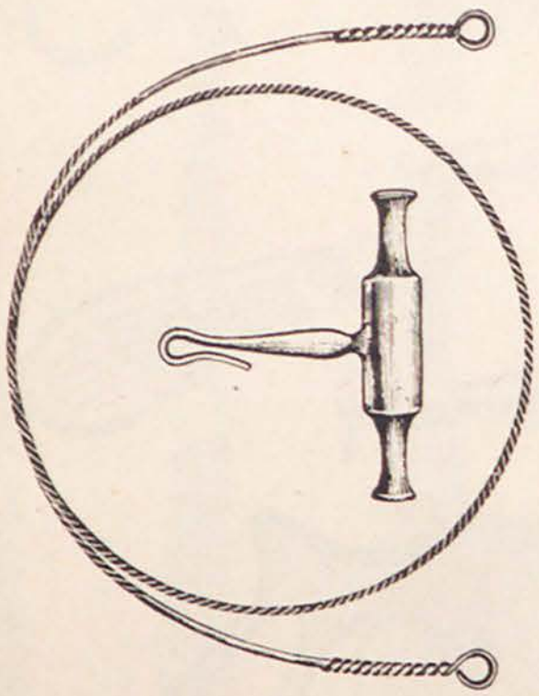
B–1668 **Langenbeck's,** plain.
*B–1670 **Lente's,** exsection, subcutaneous.

Skull Saws

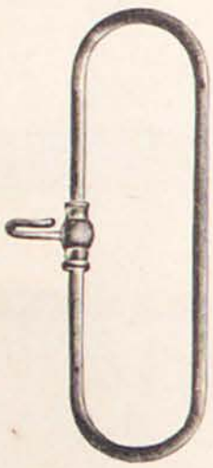
*B–1675 **Doyen's,** with guard.
B–1677 **Hey's,**



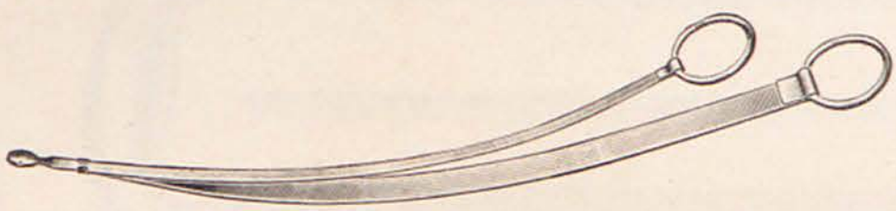
B–1677



B–1680-1683



B–1685



B–1690

Wire Saws and Handles

B–1680 **Gigli's,** 12 inches.

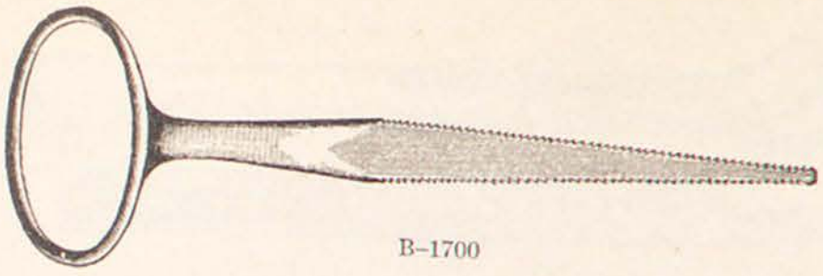
B–1681 **Gigli's,** 20 inches.

B–1682 **Gigli's,** 30 inches.

B–1683 Handles, fine.

B–1685 Handles, plain.

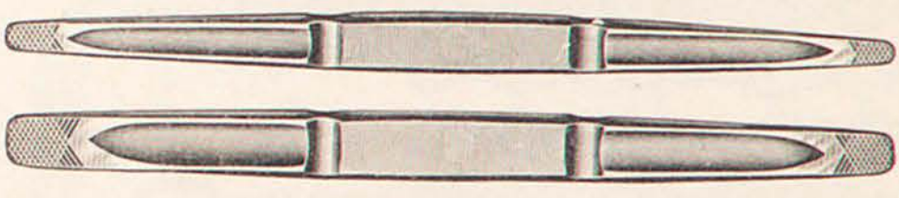
B–1690 Wire Saw Carrier, **Schaefer's,** cranial.



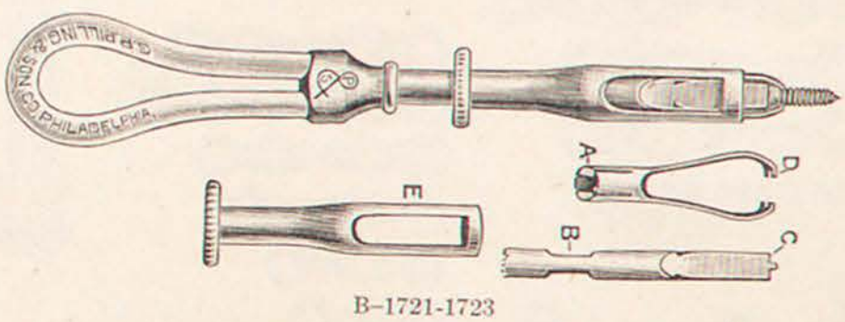
B–1700



B–1708



B–1710



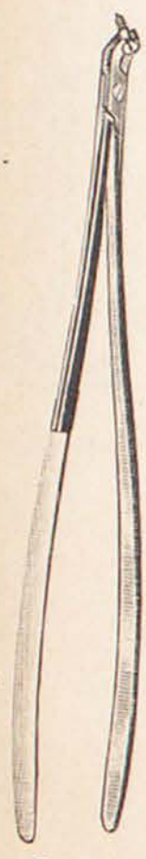
B–1721-1723



B–1717



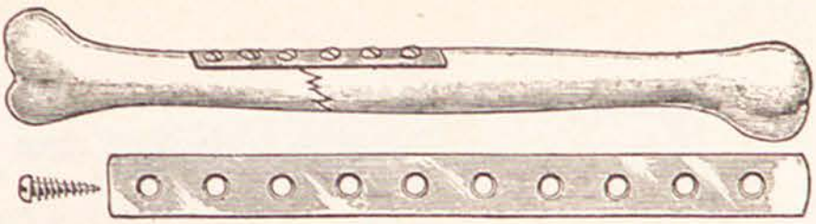
B–1725



B–1705

Bone Elevators, etc.

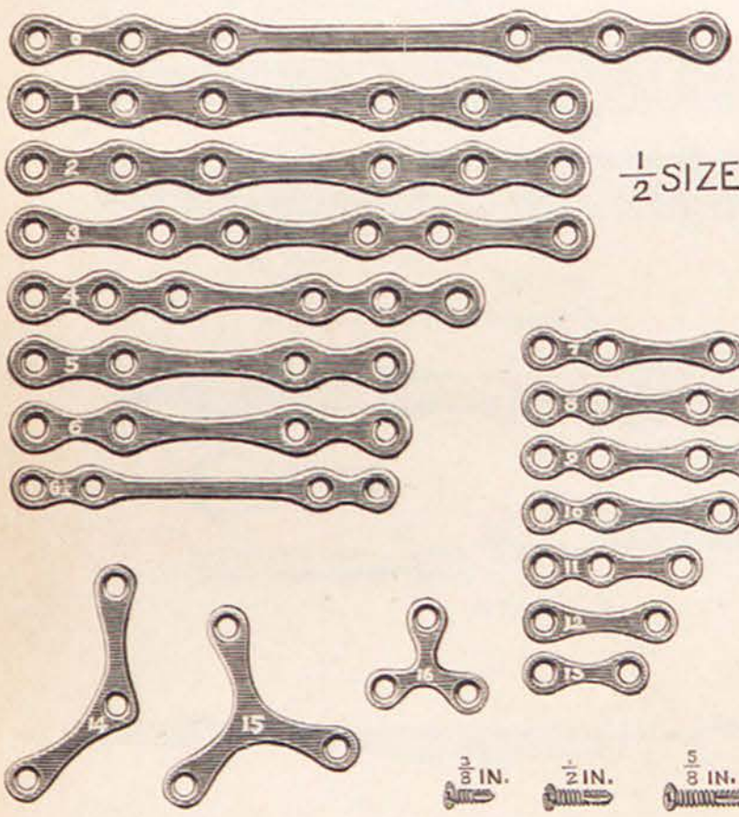
B–1700	Bone Extension Instrument, **Lane's.**
*B–1702	Bone Plate Holding Forceps, **Lane's.**
B–1705	Bone Screw Holding Forceps, **Lane's,** 7½ inches.
B–1708	Bone Skid, **Murphy's,** double ended.
B–1710	Bone Skid, **Scudder's,** broad and narrow.
*B–1715	Screw Driver, **Anderson's,** to hold and drive the screw.
B–1717	Screw Driver, **Lane's,** solid octagon handle, heavy.
*B–1719	Screw Driver, **Lentz's,** to hold and drive the screw.
B–1721	Screw Driver, **Sherman's,** latest pattern (with pin C).
B–1723	Screw Driver, **Sherman's,** latest pattern (without pin C).
B–1725	Wrench, **Lane's,** for bending bone plates.
*B–1727	Silver Wire for wiring bones, B & S Gauge, No. 14, No. 16, No. 18, No. 20.



B–1726



B–1730-1731



B–1734 B–1745



B–1737

Bone Plates

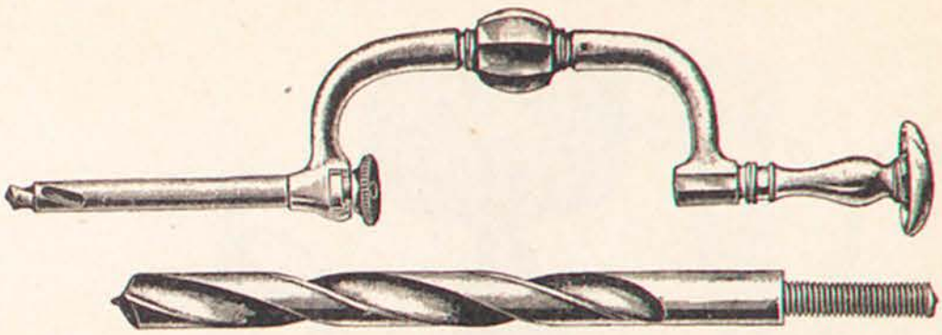
B–1726 **Martin's,** silver, ½ x 2 inches, ½ x 3 inches, ⅝ x 2½ inches, ⅝ x 3½ inches, 11/16 x 3 inches, 11/16 x 4 inches
B–1730 **Mayo's,** silver-plated, 12 inches.
B–1731 **Mayo's,** German silver, 12 inches.
B–1734 **Sherman's,** blued vanadium steel, Nos. 0 to 16, illustration shows plates half size.

Bone Nails, Screws and Spikes

*B–1735 Bone Nails, ivory.
B–1737 Bone Nails, steel.
*B–1739 Bone Screws, **Lambotte's,** gold-plated, 8 sizes.
*B–1741 Bone Screws, **Lane's,** silver-plated, Nos. 3, 5, and 7, ½ and ⅝ inches.
*B–1743 Bone Screws, **Mayo's,** sterling silver, ⅜, ½, ⅝ and ¾ inches.
B–1745 Bone Screws, **Sherman's,** Vanadium steel, ⅜, ½ and ⅝ inches.
*B–1747 Bone Screws, **Wood's,** Vanadium steel, ⅜, ½ and ⅝ inches.



B–1755



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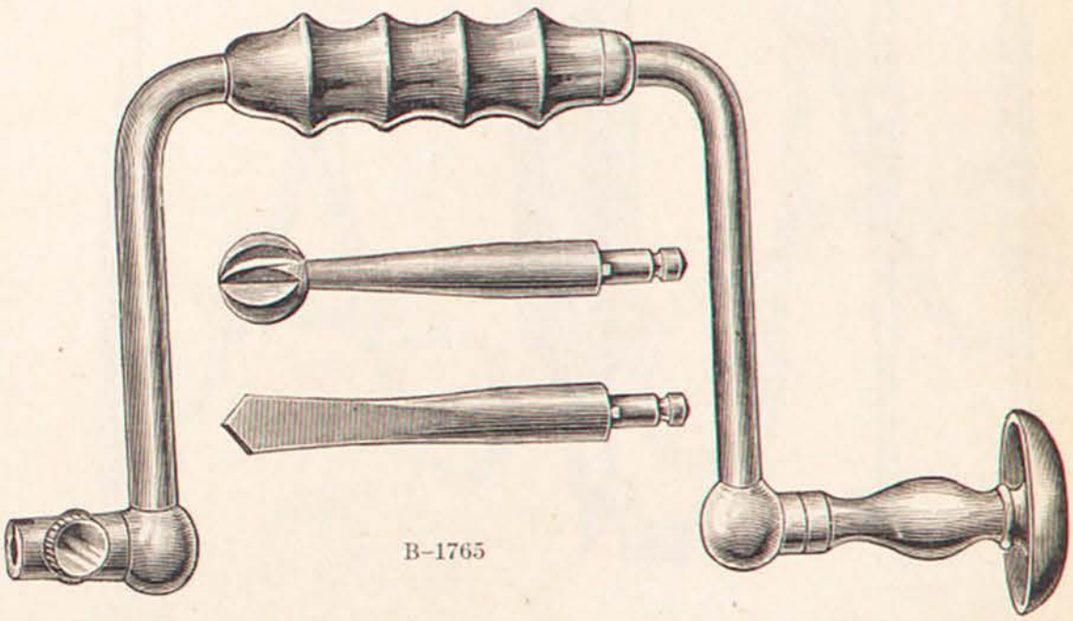
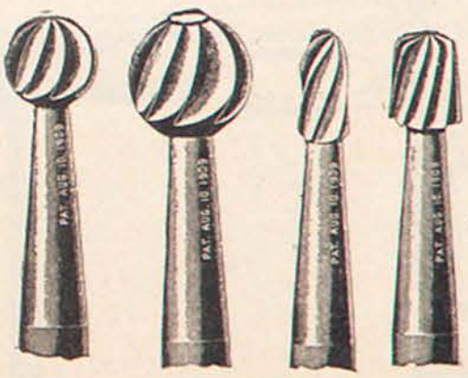
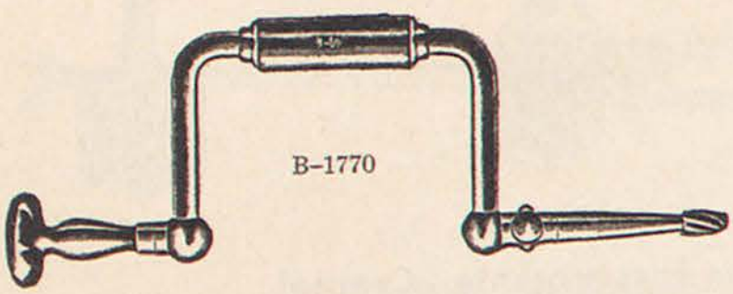


B–1765





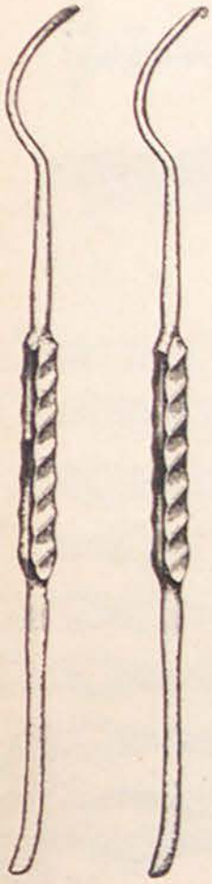
B–1770



B–1772

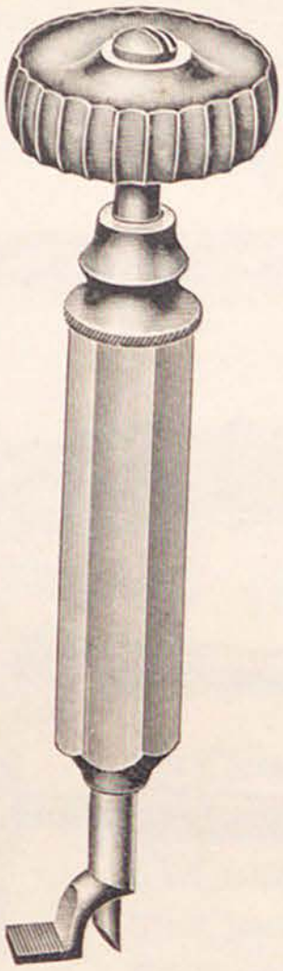
Bone Instruments—Cranial

B–1755 Chisel, **Doyen's,** cranial.
B–1760 Drill, **Carr's,** cranial.
B–1765 Drill, **Cushing's,** cranial set, complete.
B–1770 Drill, **Hudson's,** set of 4 cranial burrs and brace.
*B–1771 Hard wood case for above.
B–1772 Cerebellar attachment for above, **Hudson's.**



B–1775

B–1776



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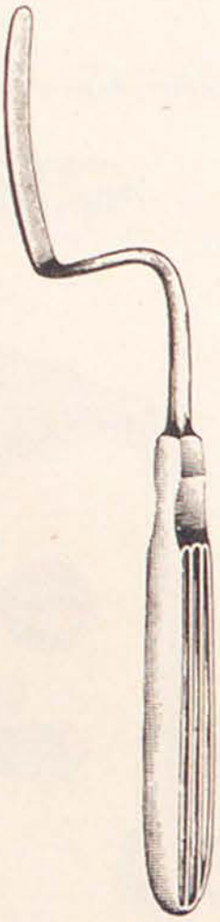

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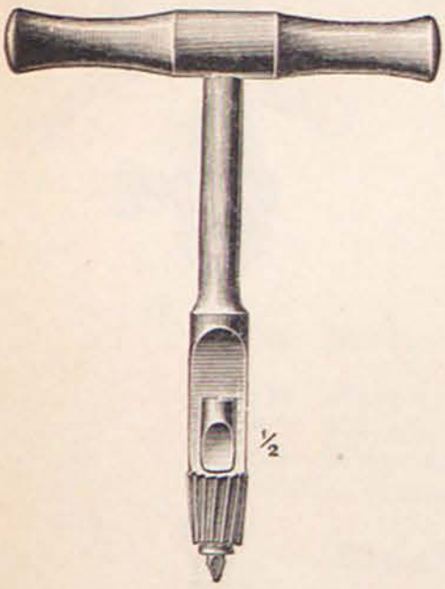
B–1782



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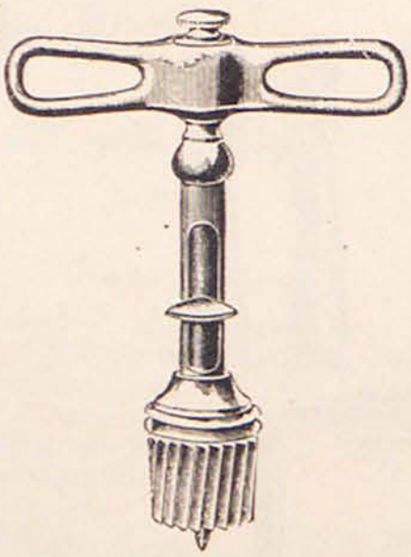
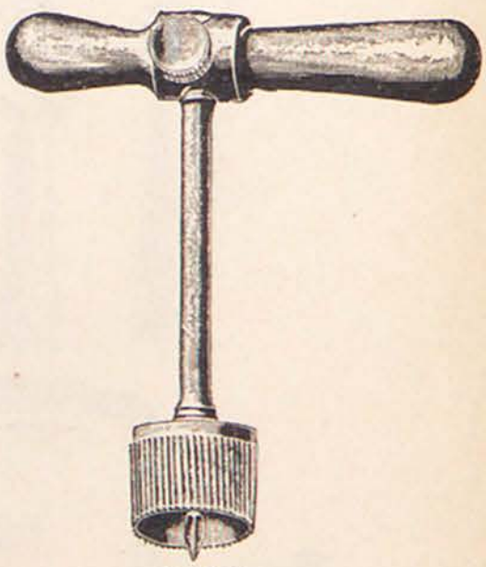


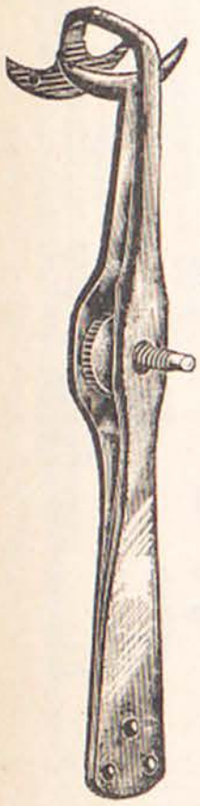
B–1787



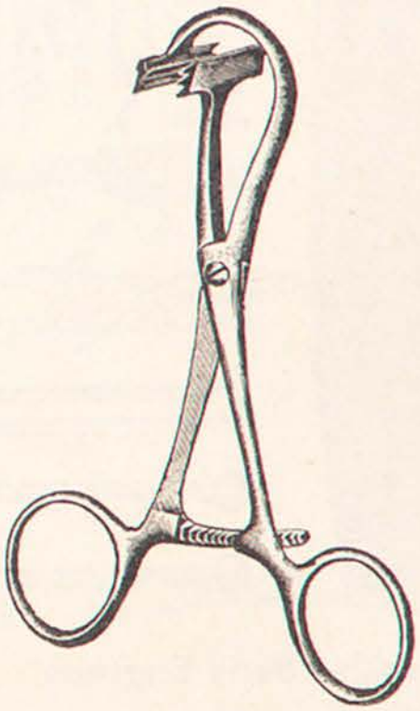
B–1790

Bone Instruments—Cranial

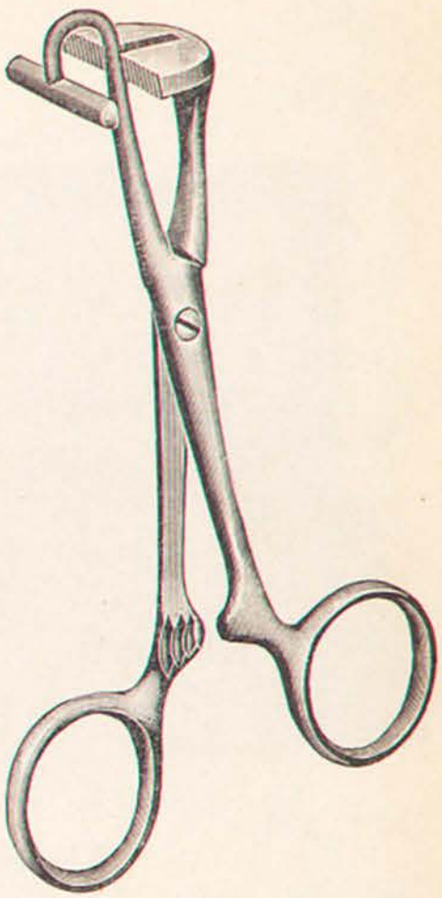
B–1775 Elevator, **Hudson's,** double ended.
B–1776 Elevator, **Hudson's,** double ended, with saw carrier.
B–1778 Elevator, **Martel's.**
B–1780 Protector, **Alexandre's,** dura.
B–1782 Spatula, **Cushing's,** 6¾ inches, 7¾ inches, 11 inches.
B–1785 Trephine, **DeVilbiss'.**
B–1787 Trephine, **Galt's,** 3 sizes.
B–1790 Trephine, **Robert's,** 3 sizes.



B–1800



B–1806



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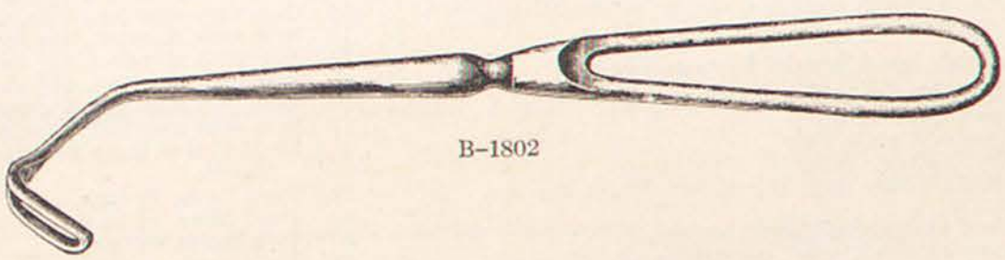


B–1802



B–1804

Cranial Instruments

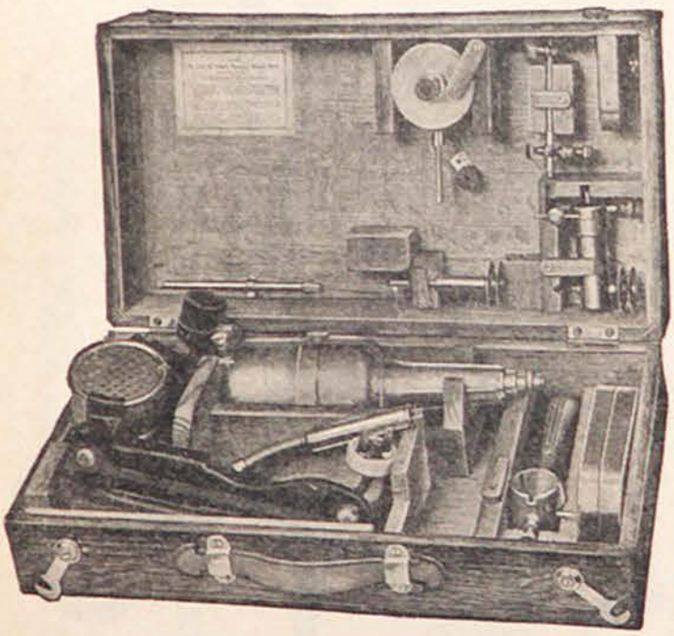
B–1800 **Carr's** Cranial haemostat.

B–1802 **Cushing's** Brain Retractor, decompression.

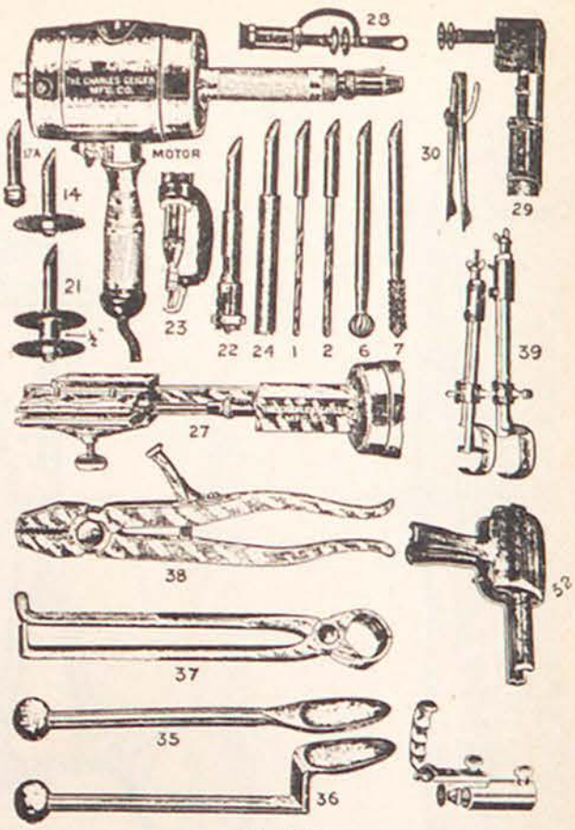
B–1804 **Cushing's** Vein Retractor.

B–1806 **Hoeve's** Cranial Haemostat.

B–1808 **Sargent's** Cranial Haemostat or Flap Forceps.



B–1865



B–1890

Electro Operative Bone Engines

*B–1850 **Albee's** Electro Operative Bone Set, in case, comprising Universal motor, cords, aseptible shell and guide handle, bone reamer, saw with 1 mandrel and 8 gauges, spanner, wrench, foot speed controllers, long twist drill, sterilizer case for drills, burrs and single saw.

Albee's Additional Special Instruments

*B–1855 Adjustable Spray Guard.
*B–1856 **Albee's** Twin Saw.
*B–1857 **Albee's,** Angular Saw.
*B–1858 **Albee's** Dowel Shaper.
*B–1859 **Albee's** extra long Taper Burr Fraise, for femur.
*B–1860 **Albee's** extra small Saw for cross cut.
B–1865 **Albee's** Complete Set, comprising all instruments listed above, in case.
*B–1870 **Albee's** Revolving Osteotome.
*B–1871 **Albee's** broad thin Osteotome.
*B–1872 **Albee's** Caliper, inside.
*B–1873 **Albee's** Caliper, outside.
*B–1874 **Albee's** Bone Gauge, triangular.
*B–1875 **Albee's** Ligature Passer.
*B–1876 **Albee's** End Mill.
*B–1880 **Martel's** Automatic Trephine Attachment Set, for use with Albee's universal motor, with pointed cutter for starting, blunt trephine cutter, spiral osteotome and guard for osteotome.
*B–1881 **Martel's** Automatic Trephine, complete with Albee's Universal motor, foot switch and cords.

Illustrated bulletin of all the above instruments sent on request.

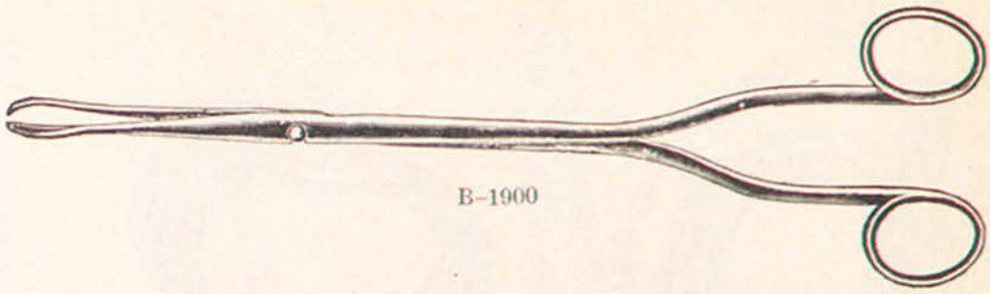
B–1890 **Geiger's Electro Operative Bone Instruments and accessories;**

A Universal Motor, 60 cycle, 110 volt, with sterilizable connecting cord.
B Universal Motor with extra cycle or higher voltage.
1 Drill, $\frac{5}{64}$ inch.
2 Drill, $\frac{7}{64}$ inch.
3 Drill, $\frac{1}{8}$ inch.
4 Drill, $\frac{3}{16}$ inch.
5 Drill, $\frac{3}{8}$ inch.
6 Cherry Burr.
7 Sharp Nose Burr.
8 Set of Chisels.
9 Motor Plaster Cutter, without motor.
10 Saw with mandrel, 6/8 inch.
11 Saw with mandrel, $\frac{7}{8}$ inch.
12 Saw with mandrel, 1 inch.
13 Saw with mandrel, $1\frac{1}{8}$ inches.
14 Saw with mandrel, $1\frac{1}{4}$ inches.
15 Saw with mandrel, $1\frac{1}{2}$ inches.
16 Saw with mandrel, $1\frac{3}{4}$ inches.
17 Saw with mandrel, 2 inches.
17A Ideal Motor Bone Saw Hand Piece or Handle.
18 Twin Saws, $\frac{3}{16}$ inch.
19 Twin Saws, $\frac{1}{4}$ inch.
20 Twin Saws, $\frac{3}{8}$ inch.
21 Twin Saws, $\frac{1}{2}$ inch.
22 Trephine.
23 Protector Burr or Skull Cutter with hand piece.
24 Dowel Shaper, $\frac{1}{8}$ inch.
25 Dowel Shaper, $\frac{3}{16}$ inch.
26 Dowel Shaper, $\frac{3}{8}$ inch.
27 Lathe Attachment to Dowel Shapers.
28 Extra Guide Handle for Twin or Single Saws.
29 Right Angle Arm with Gears for all Cutters.
30 Caliper Knives.
31 Guards for Regulating depths of Saws (8 in number).
32 Sterilizable Aluminum Shell for Motor.
33 Sterilizable Brass Shell for Motor.
34 Special Electric Hot Air Sterilizer, with thermostatic control.
35 Bone Elevating Spoon or Skid (Straight)
36 Bone Elevating Spoon or Skid.
37 Bone Elevating Forcep.
38 Bone Graft Retaining Forcep.
40 Handsome Carrying Case for Motor and Cutters.
41 Speed Regulating Foot Switch.
43 **Geiger's New Work on "Modern Operative Bone Surgery."**

Illustrated bulletin of all **Geiger** instruments sent on request.



B–1914



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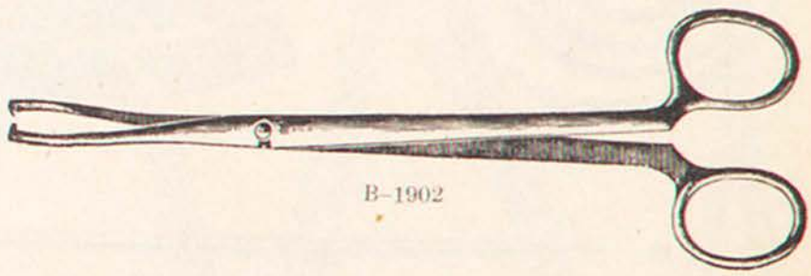

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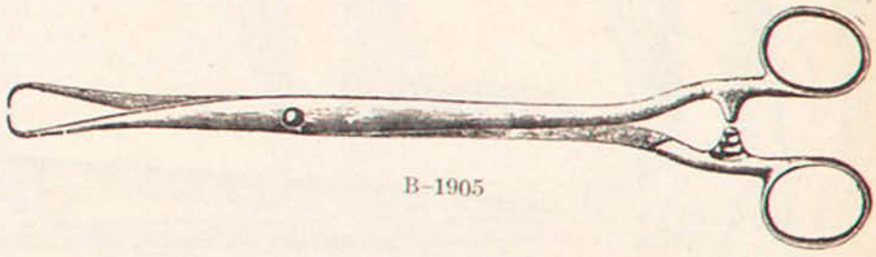


B–1905



B–1910



B–1912



B–1916



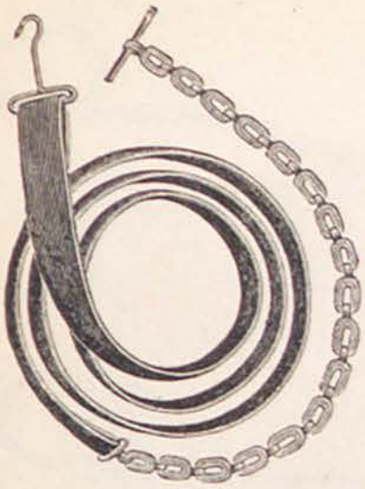
B–1918

Bullet Forceps

B–1900 **Gross'.**
B–1902 **Senn's,** plain.
*B–1903 **Senn's,** with catch, latest army pattern.
B–1905 **Tiemann's,** with catch.
*B–1907 **Weisse's,** spiral, flexible.

Bullet Probes

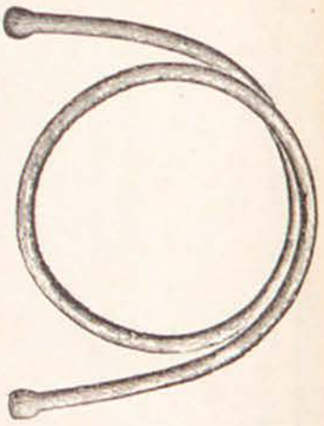
B–1910 Plain, double end, plated, 8 inches, 10 inches, 12 inches.
B–1912 **Fluhrer's,** aluminum.
B–1914 **Hamilton's,** with director, jointed.
B–1916 **Nelaton's,** porcelain head, with handle.
B–1918 **Spiral,** flexible, jointed.
*B–1920 **U. S. A.** pattern, silver, 8 inches, 10 inches 12 inches.



B–1925



B–1930



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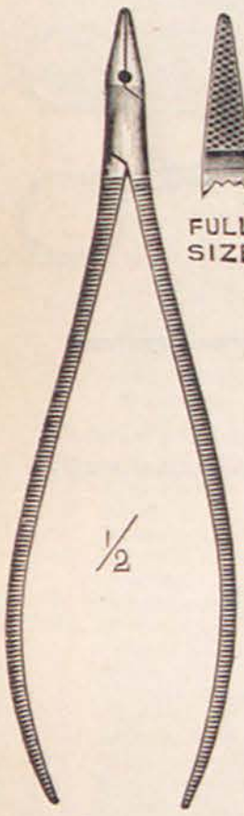
B–1945



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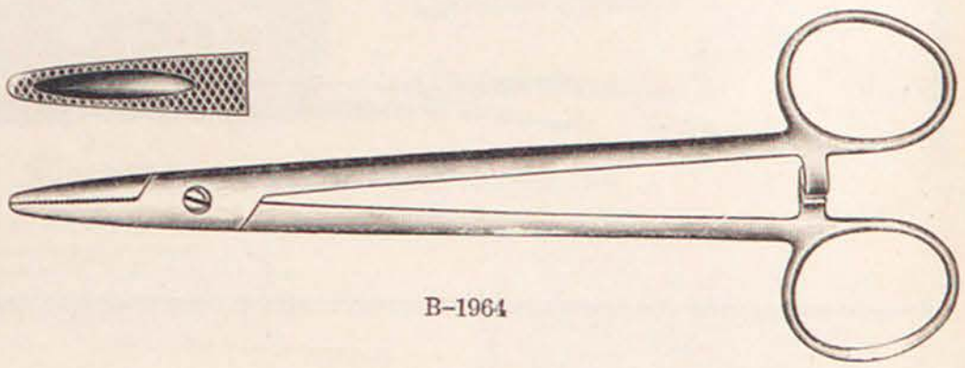

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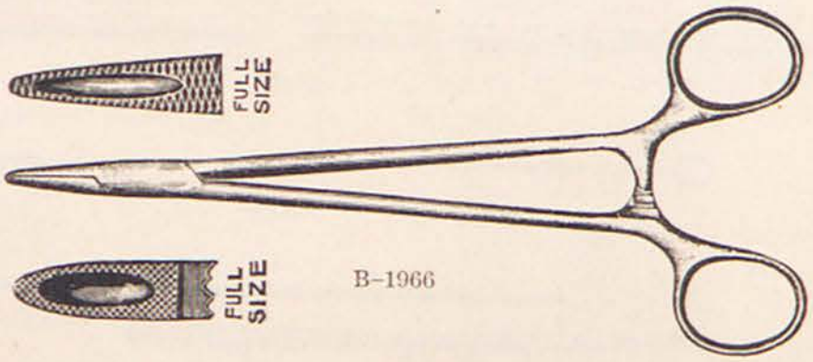


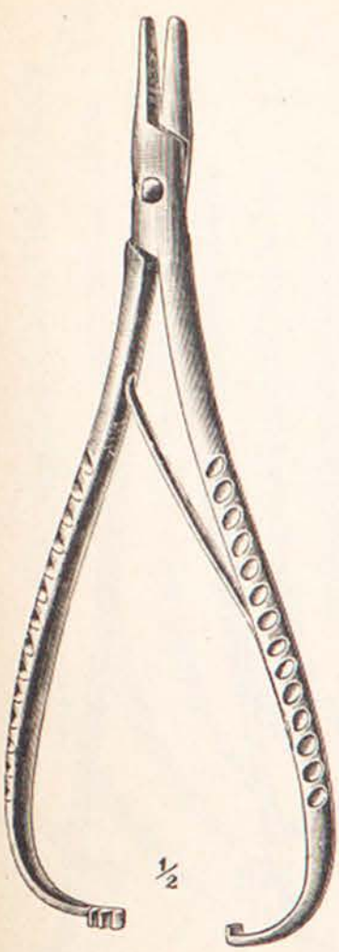
B–1966

Tourniquets

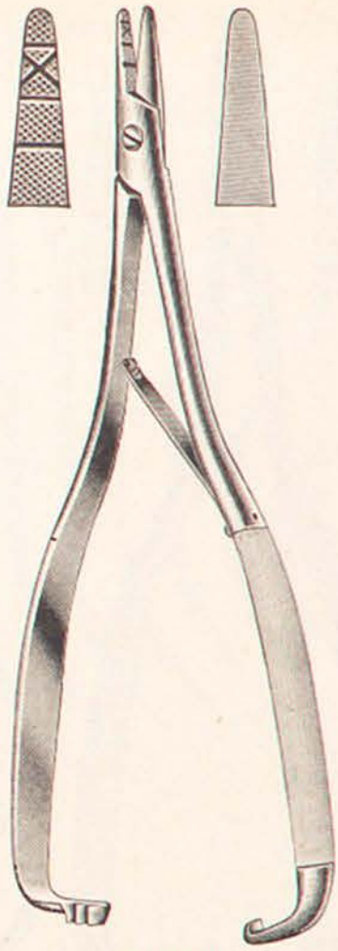
B–1925 **Esmarch's,** strap and chain.
*B–1927 Field tourniquet with webbing strap.
B–1930 **Gradwohl's,** for general and Salvarsan work.
*B–1935 **Hazard's.**
B–1940 **Senn's,** U. S. A. pattern, 36 inches long, pure gum tubing.
*B–1942 **Shert's,** all metal.
B–1945 **Wyeth's** transfixion pin.

Needle Holders

B–1960 **Crile's,** mortise joint.
*B–1962 **Crile's,** modified by Wood.
B–1964 **Hegar's,** screw lock, 6 inches, 8 inches.
B–1966 **Hegar-Mayo's,** wide jaw and narrow jaw, 8 inches, mortise joint.
*B–1968 **Hegar-Mayo's,** 6 inches, mortise joint.
*B–1970 **Hegar-Mayo's,** 8 inches, screw joint.



B–1990



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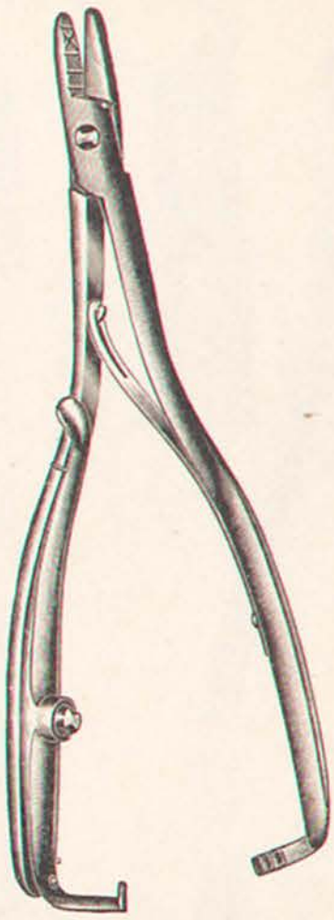

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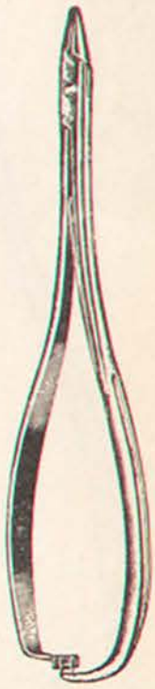

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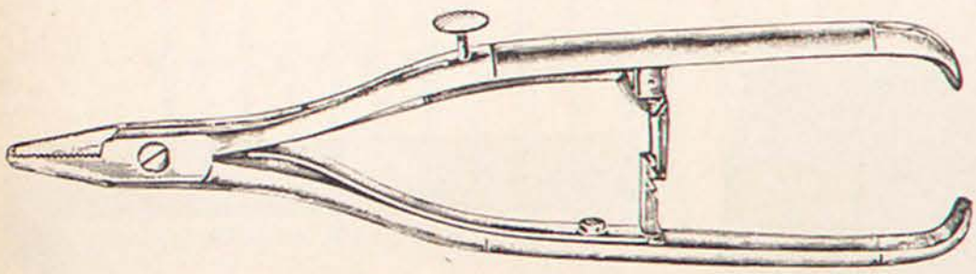
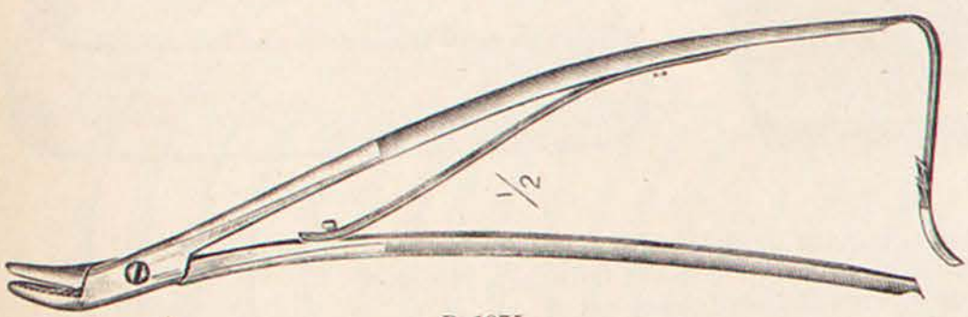


B–2000



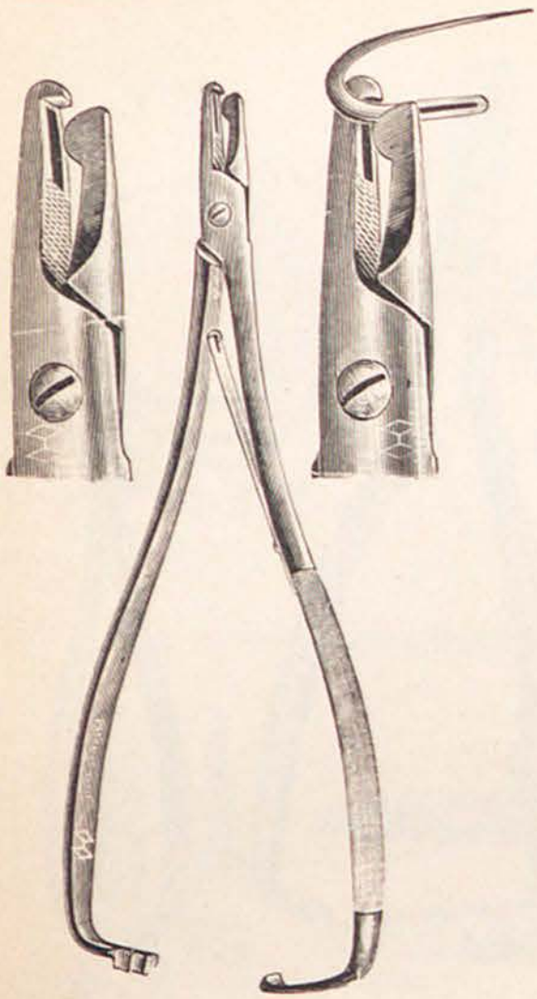
B–1975



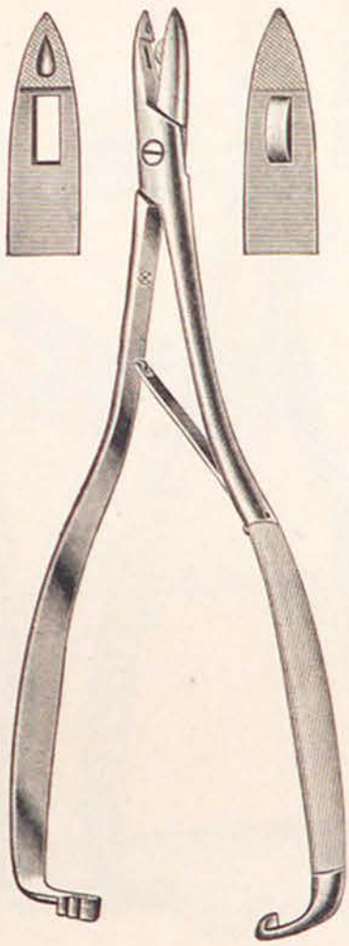
B–2005

Needle Holders

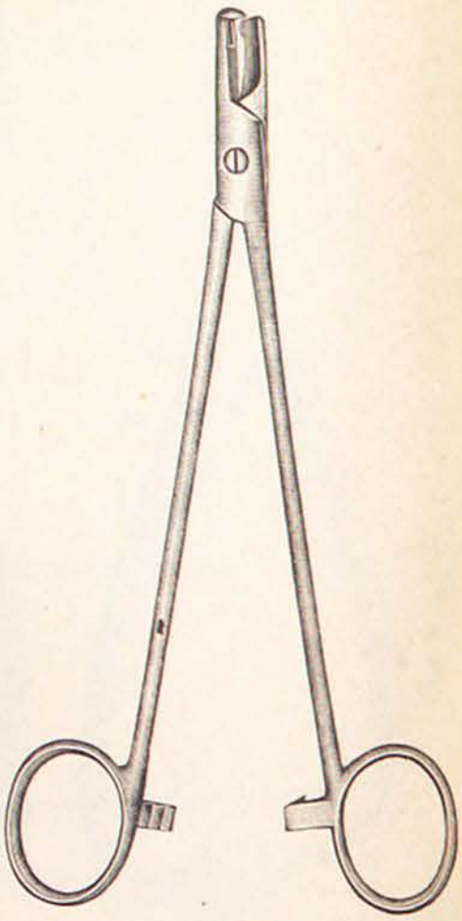
B–1975 **Gracey's,** new model.
*B–1980 **Langenbeck's,** 6½ inches, 8 inches.
*B–1985 **Kelly-Miller's.**
B–1990 **Mathieu's,** regular, 4½ inches, 5 inches, 5½ inches, 7 inches, 7½ inches, 8 inches.
B–1992 **Mathieu's,** improved pattern, 5½ inches, 7 inches, 8 inches.
B–1994 **Mathieu's,** improved, with thumb release catch.
*B–1996 **McBurney's,** 8 inches.
B–1998 **Murphy's,** 8 inches, 9¾ inches, 10½ inches.
B–2000 **Rochester,** release catch, 6¾ inches, 7¾ inches, 9¼ inches.
B–2005 **Rochester** needle pulling forceps.



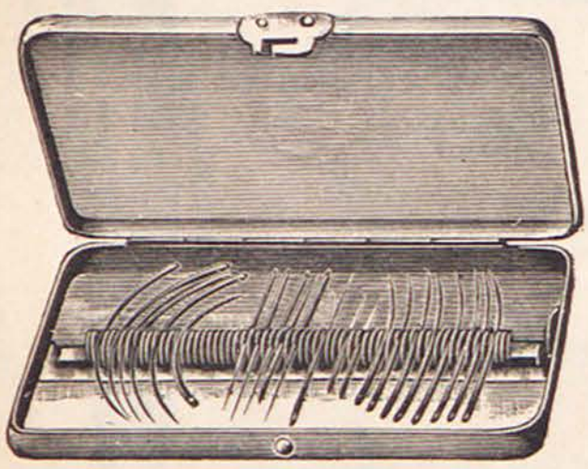
B–2010



B–2012



B–2022



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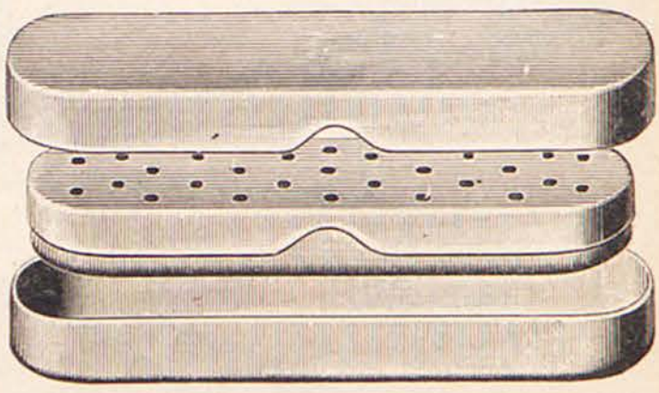


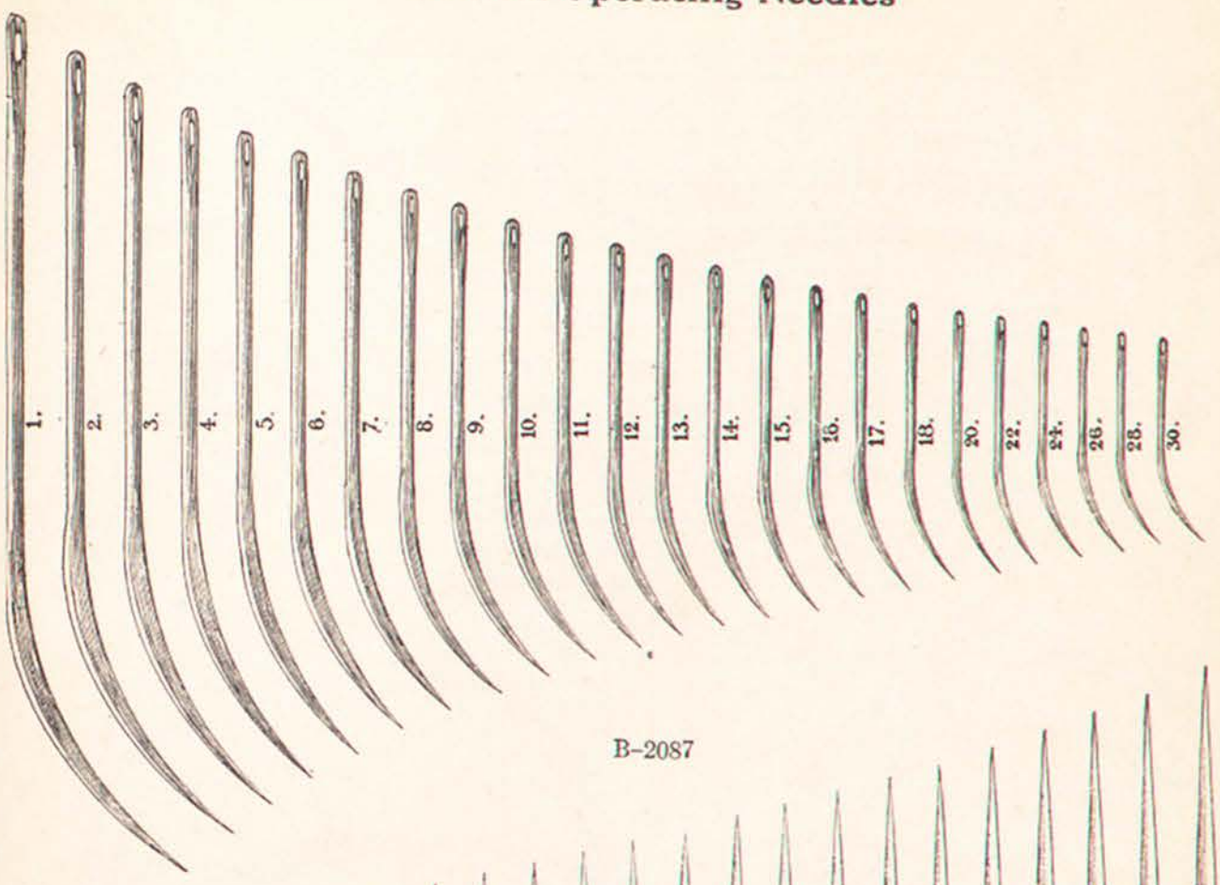
B–2045

B–2010 **Richter's,** regular model, latest, 5½ inches, 7 inches, 8 inches.
B–2012 **Richter's,** with grasping point, 7 inches, 8 inches.
*B–2015 **Richter's,** with thumb release catch.
*B–2017 **Richter's,** with grasping point and thumb release catch.
*B–2020 **Richter's,** modified by Mayo.
B–2022 **Richter's,** with ring handles.

Metal Needle Cases

*B–2040 Rectangular form, with spiral spring for needles.
*B–2041 Rectangular form, with 1 dozen assorted needles.
B–2042 Rectangular form, with 2 dozen assorted needles.
*B–2043 Round form, with perforated sterilizing chamber, 2½ inches.
*B–2044 Round form, with perforated sterilizing chamber, 3¾ inches.
B–2045 Oblong form, with perforated sterilizing chamber, 5⅛ x 1¾ inches.

General Operating Needles



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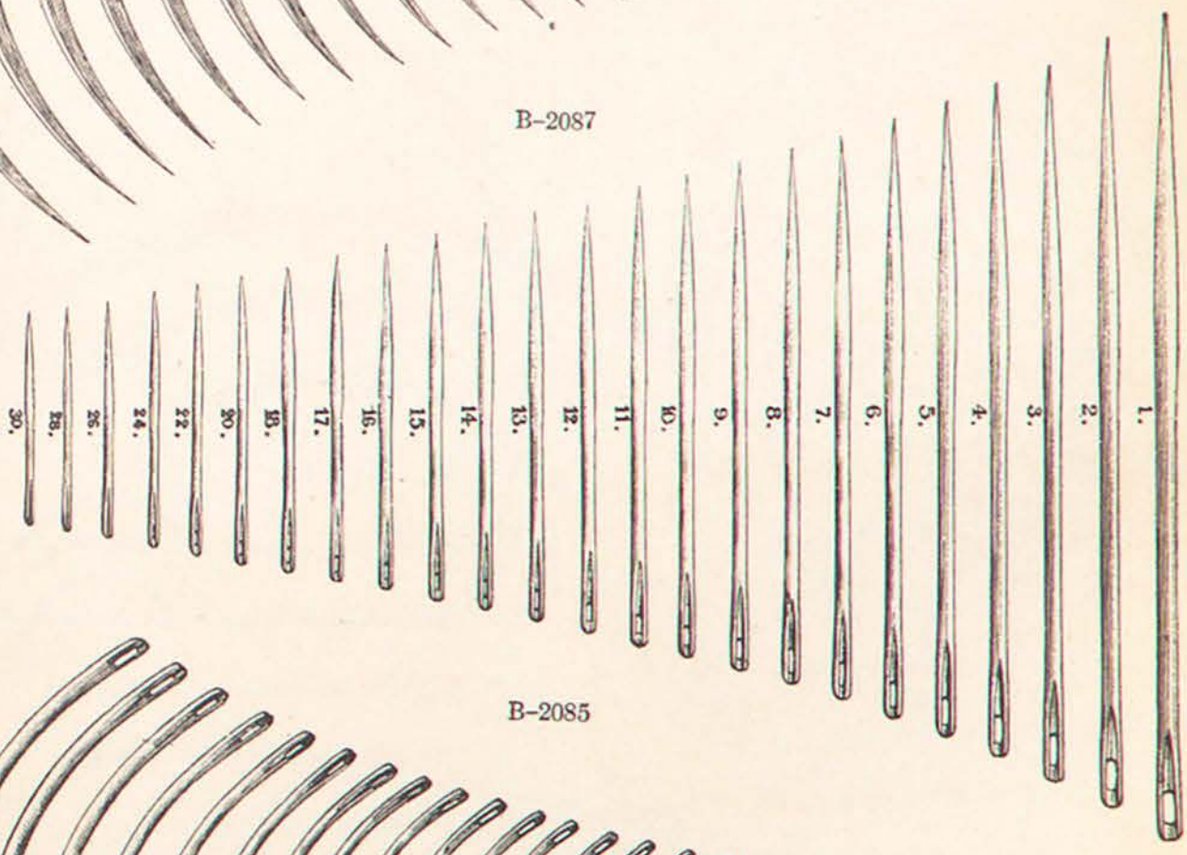

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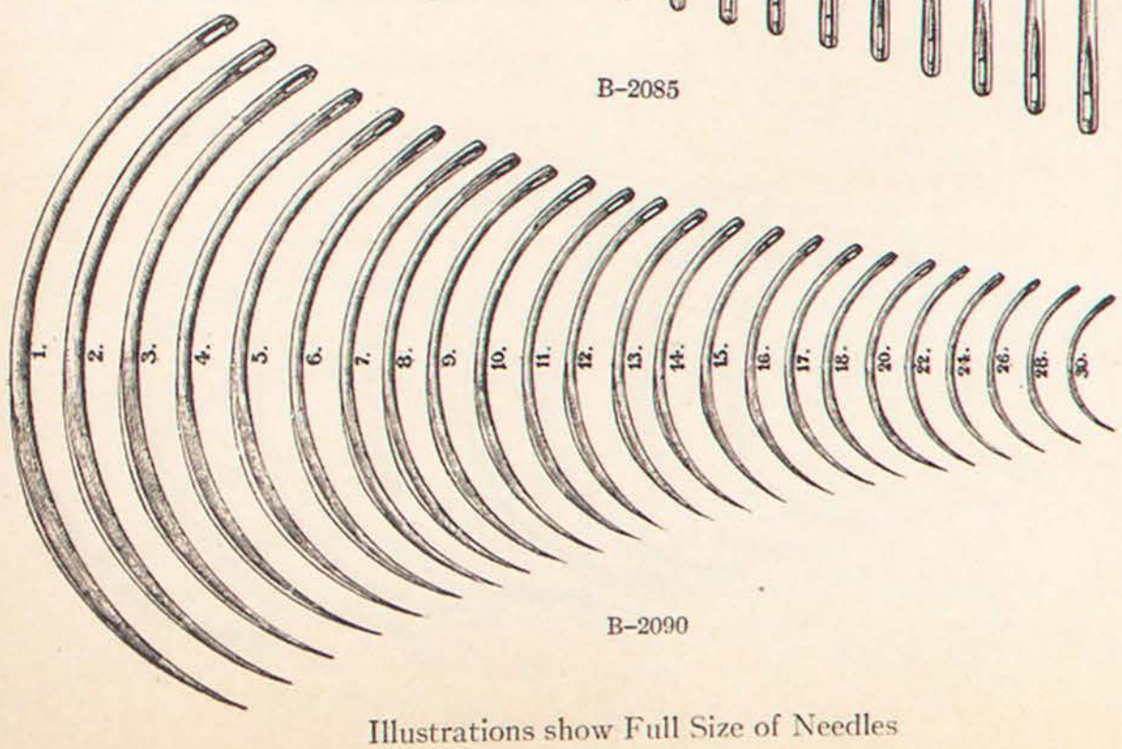
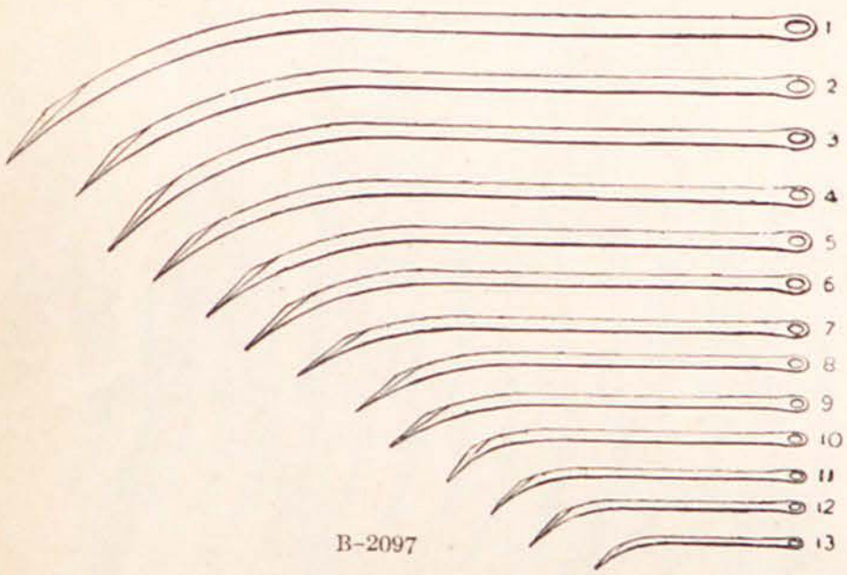


B–2090

Illustrations show Full Size of Needles

General Operating Needles



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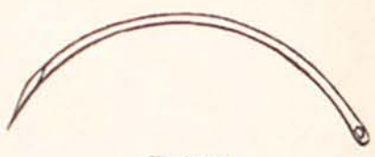

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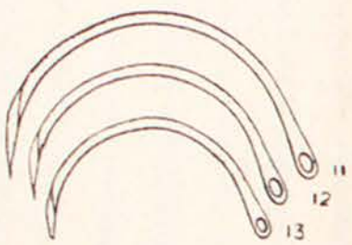
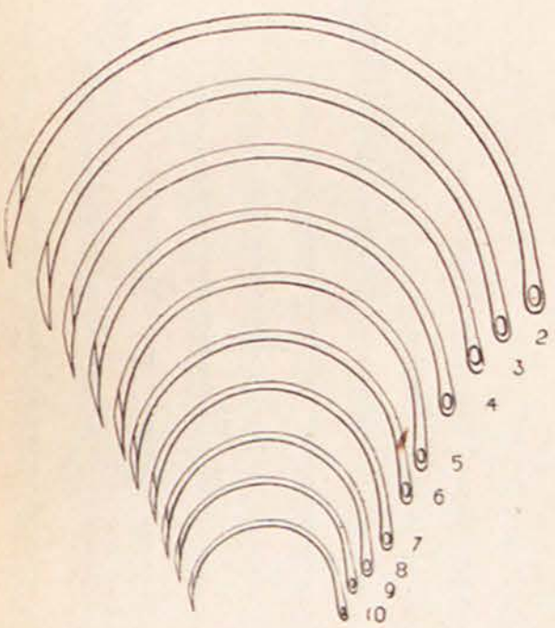


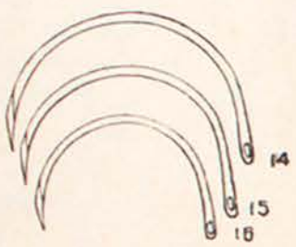
B–2104



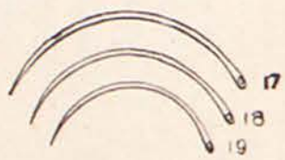
B-2100



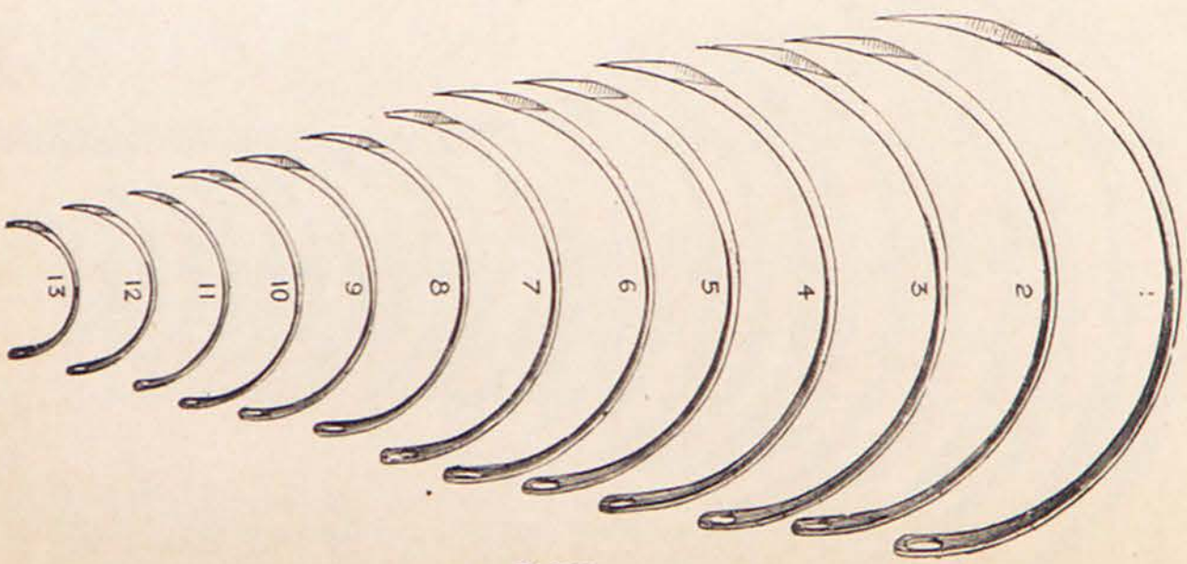
B–2101



B–2105



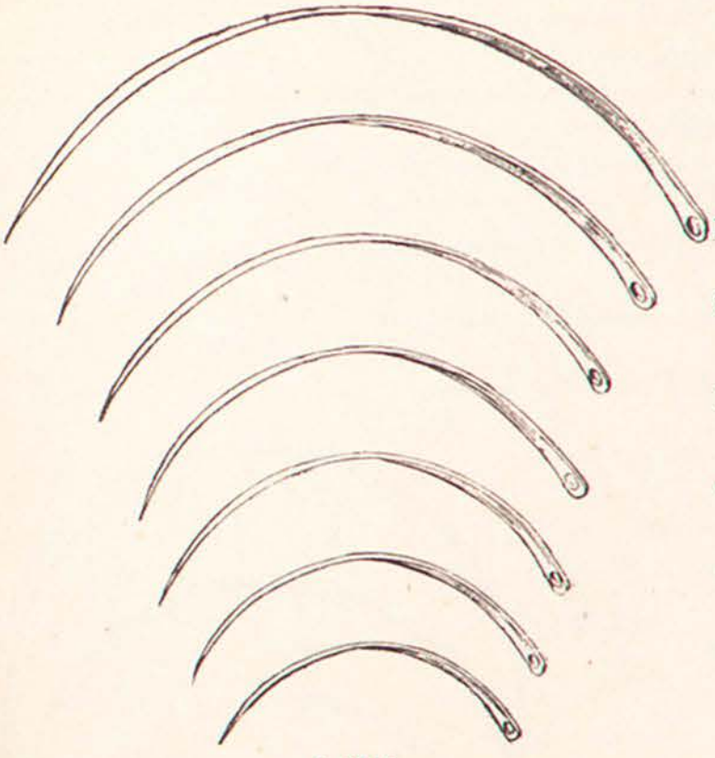
B–2106



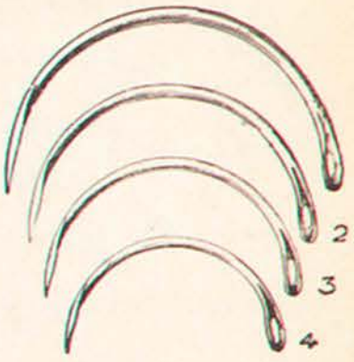
B–2109

Illustrations show Full Size of Needles

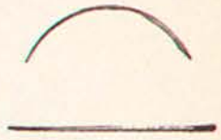
General Operating Needles



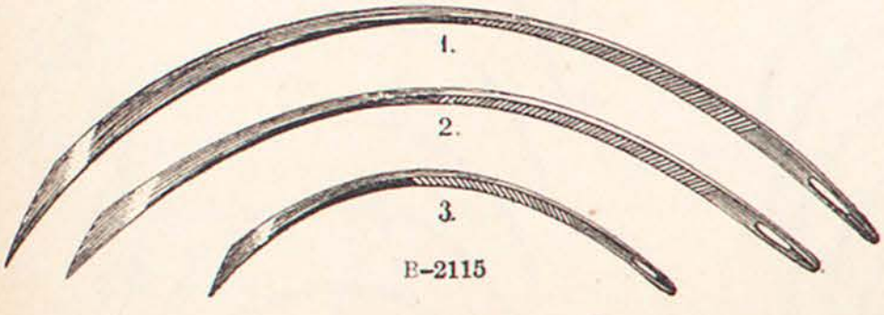
B-2110



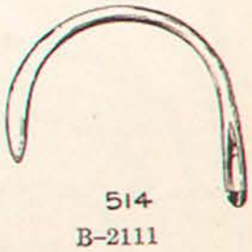
B-2114



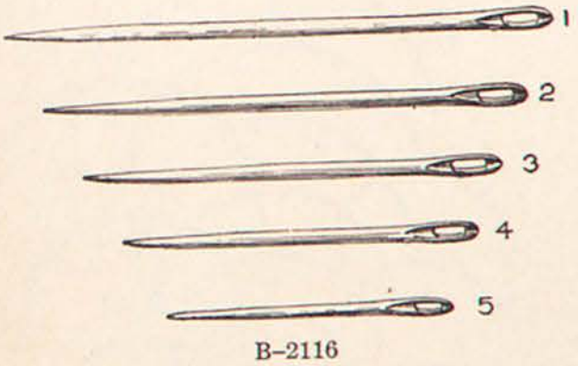
B-2112-2113



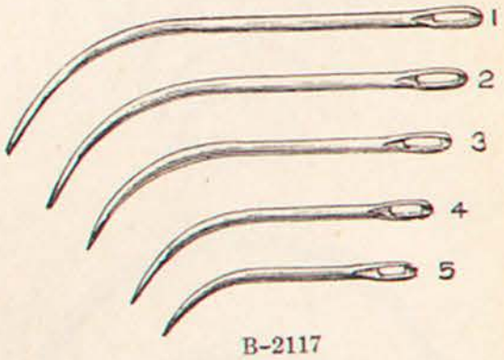
B-2115



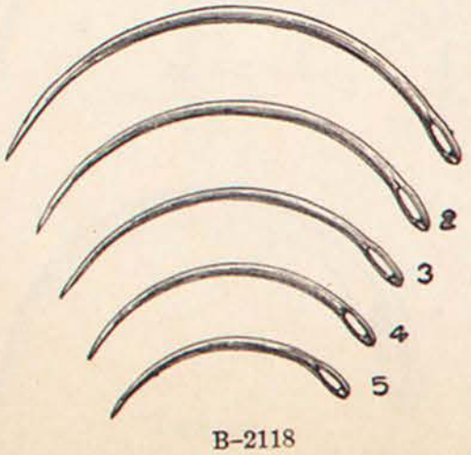
514
B-2111



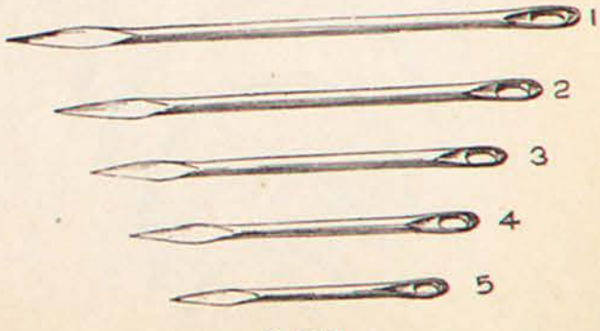
B-2116



B-2117



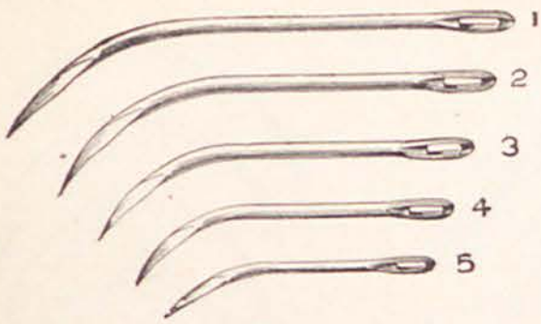
B-2118



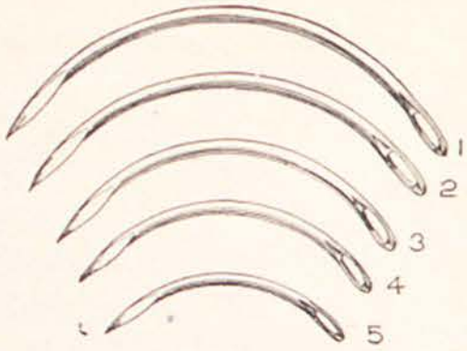
B-2119

Illustrations show Full Size of Needles

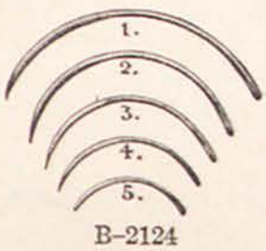
General Operating Needles



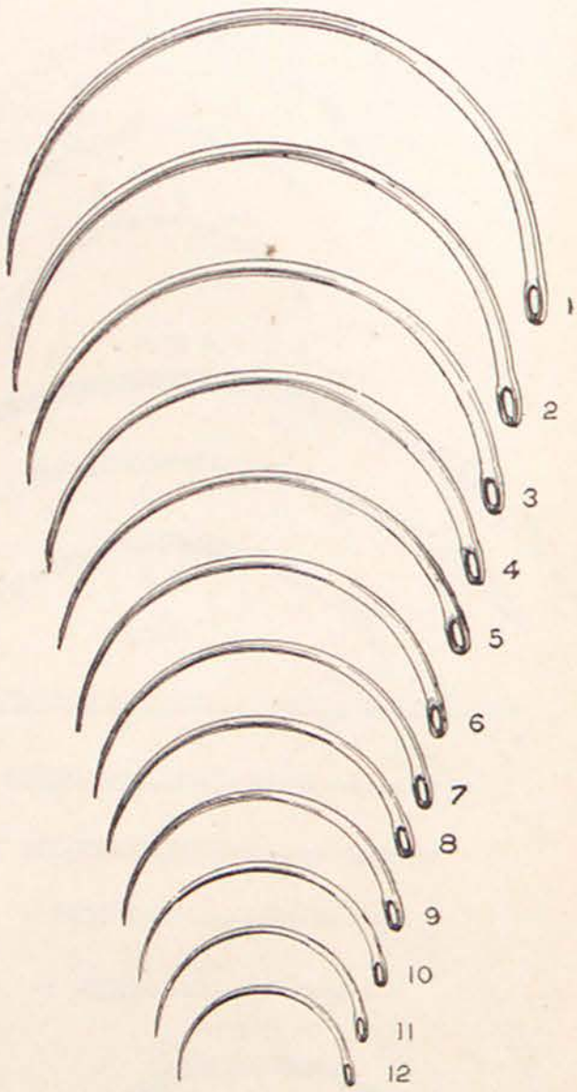
B–2120



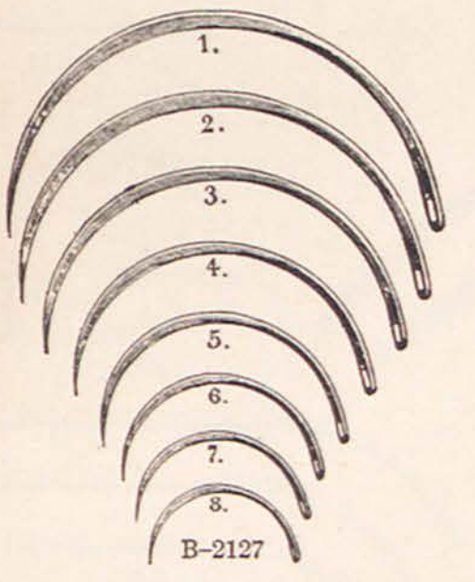
B–2121



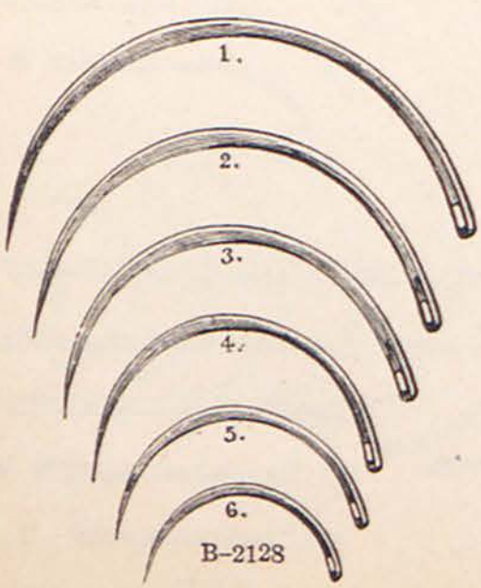
B–2124



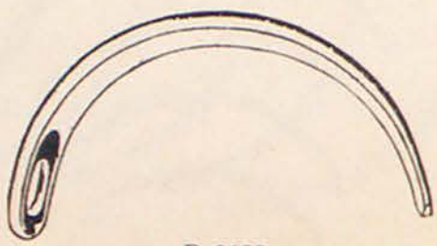
B–2126



B–2127



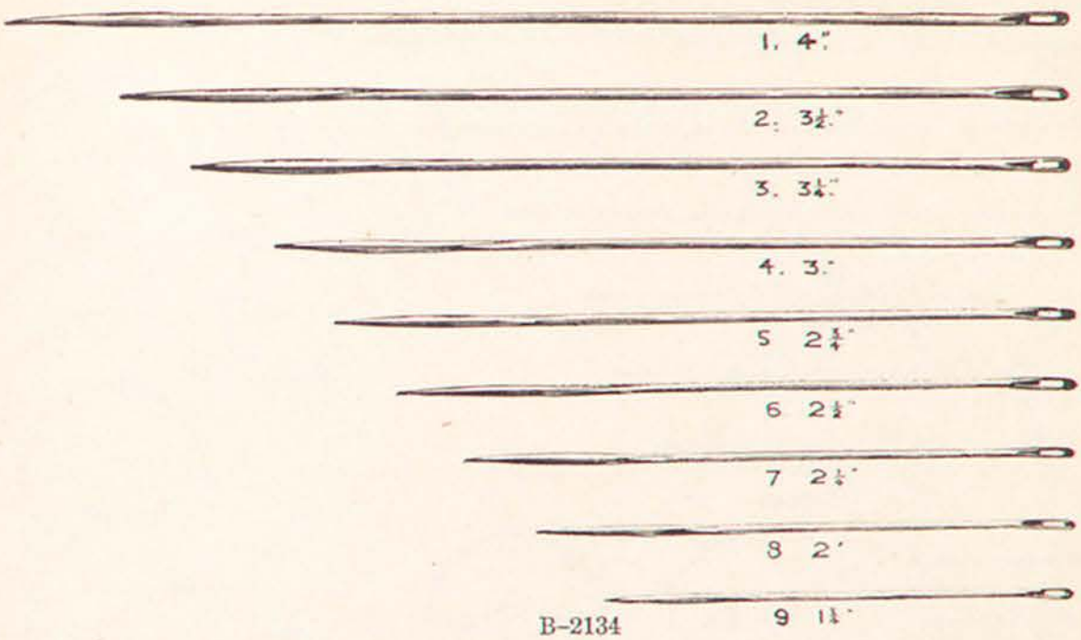
B–2128



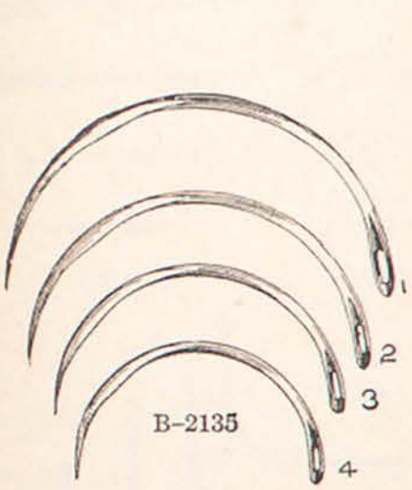
B–2133

Illustrations show Full Size of Needles

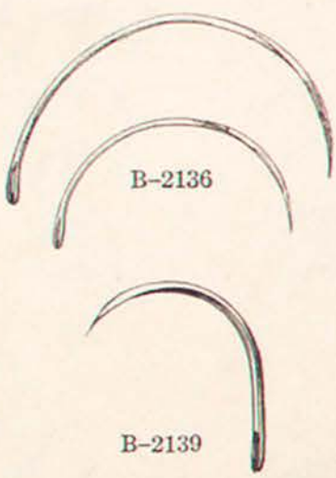
General Operating Needles



B-2134

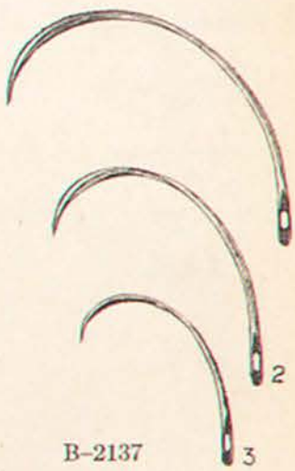


B-2135



B-2136

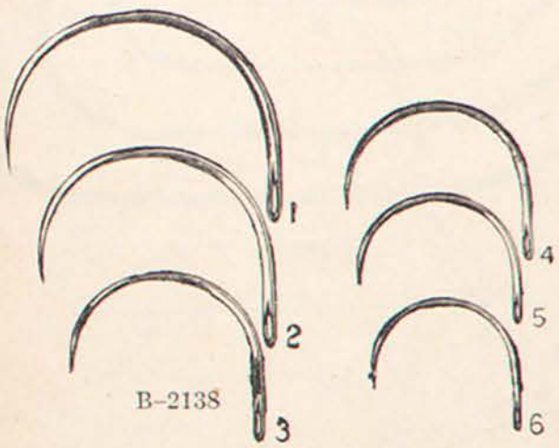
B-2139



B-2137



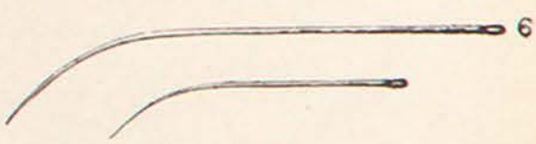
B-2144



B-2138



B-2143



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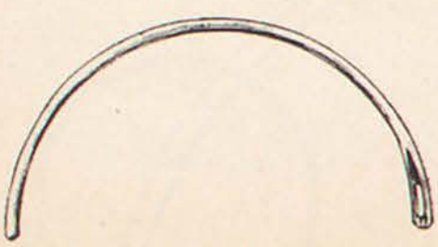

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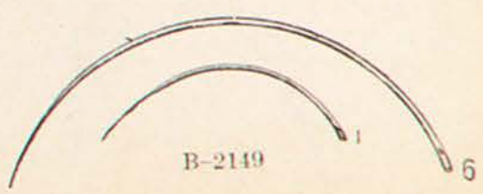
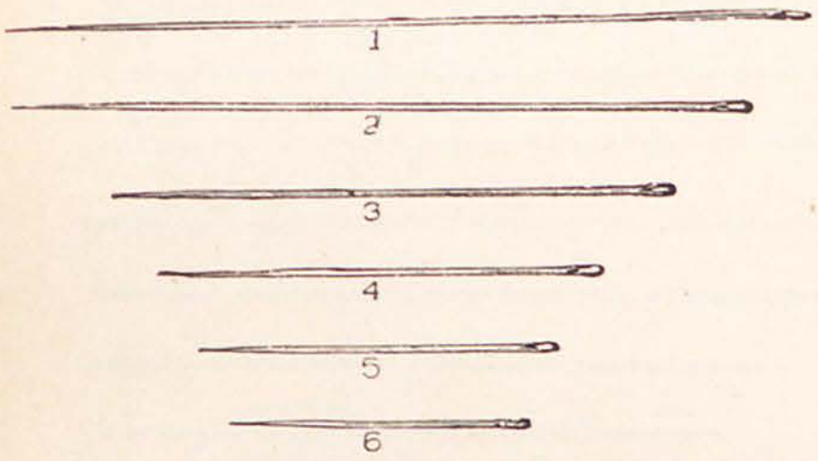


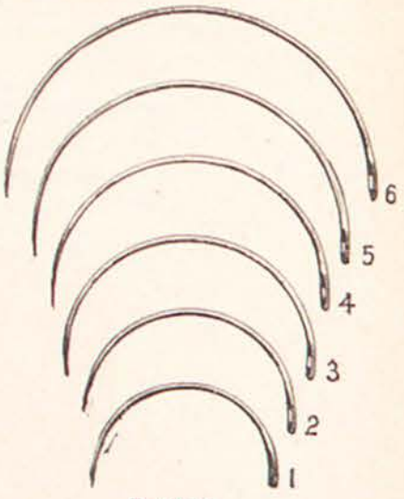
B-2149

Illustrations show Full Size of Needles

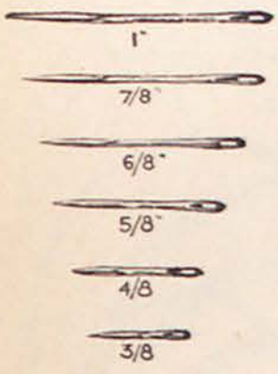
General Operating Needles



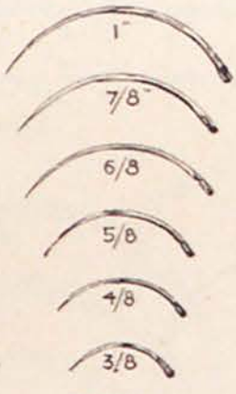
B-2146



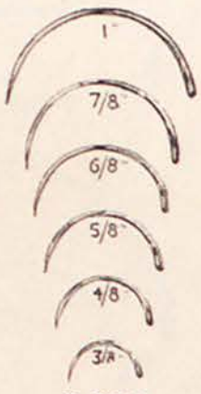
B-2150



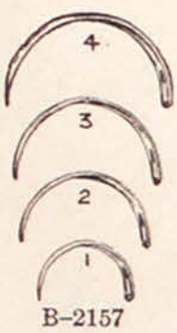
B-2152



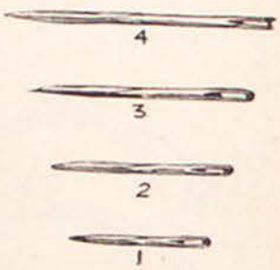
B-2153



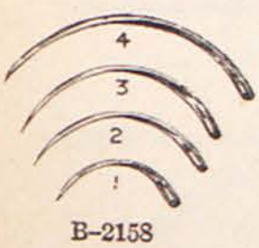
B-2154



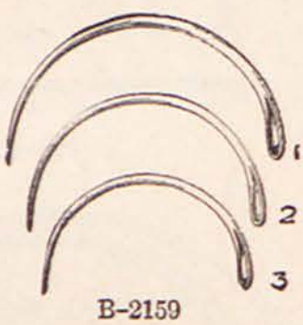
B-2157



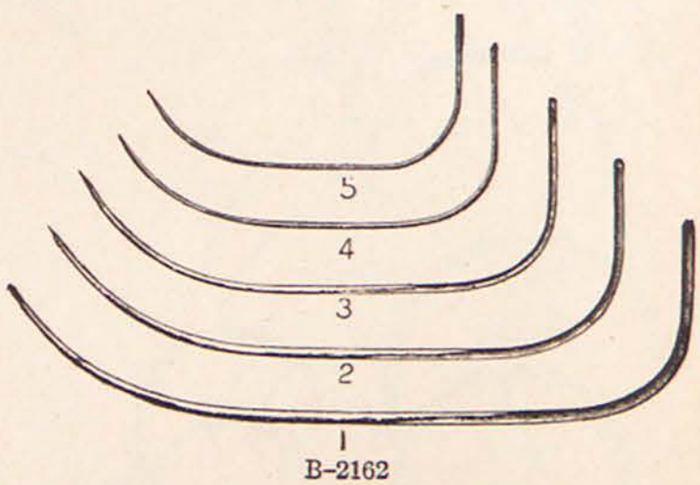
B-2155



B-2158



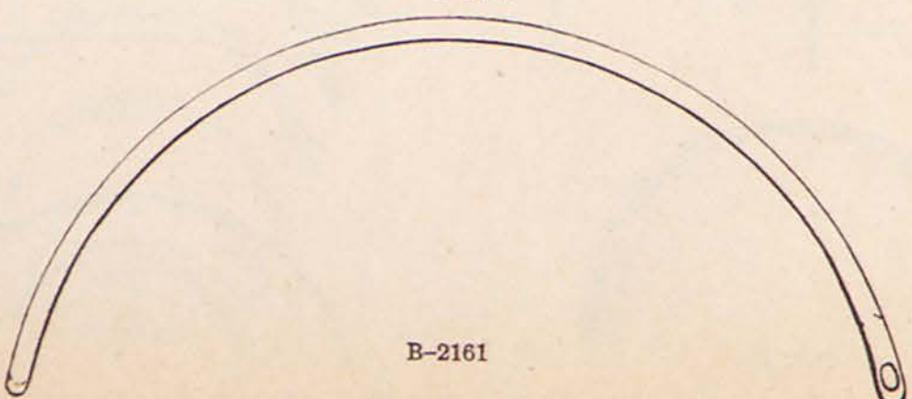
B-2159



B-2162



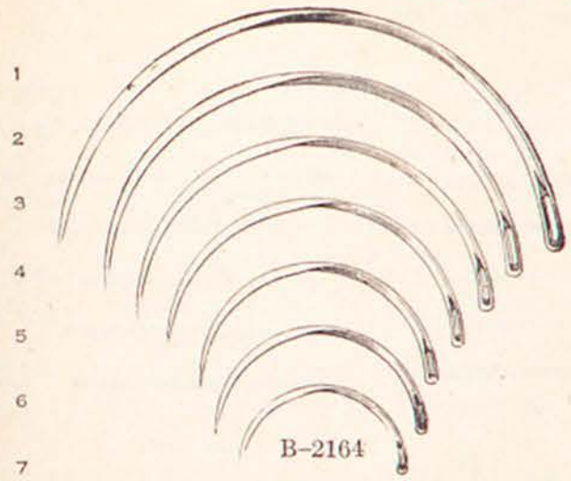
B-2160



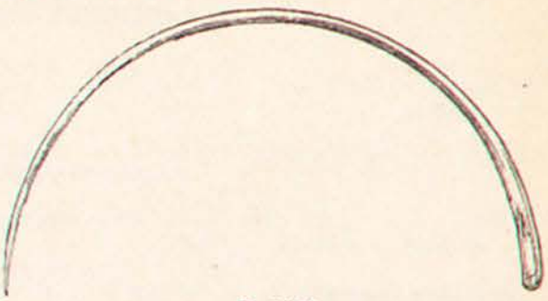
B-2161

Illustrations show Full Size of Needles

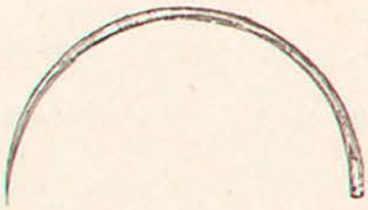
General Operating Needles



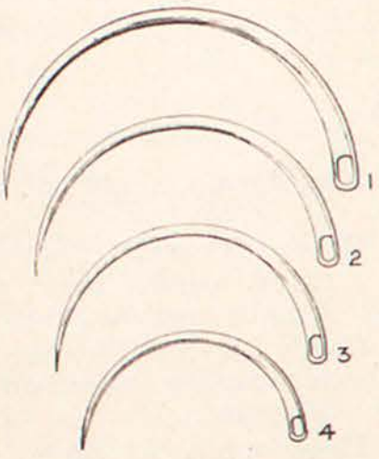
B–2164

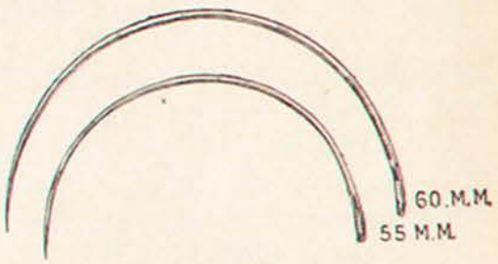


B–2170

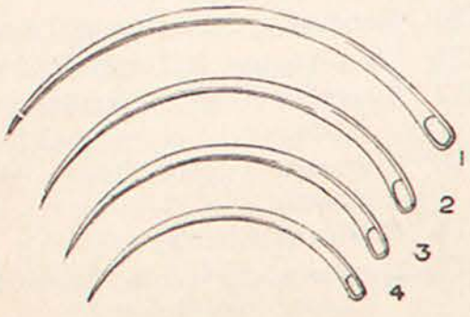


B–2171

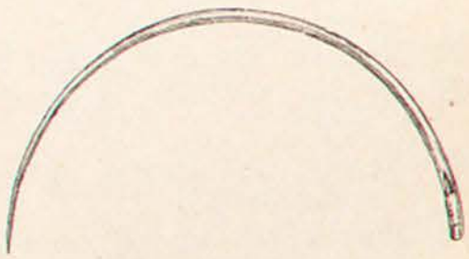




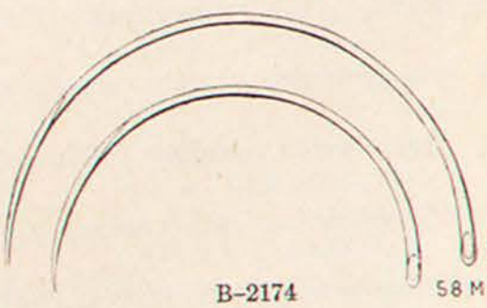
B–2167



B–2172

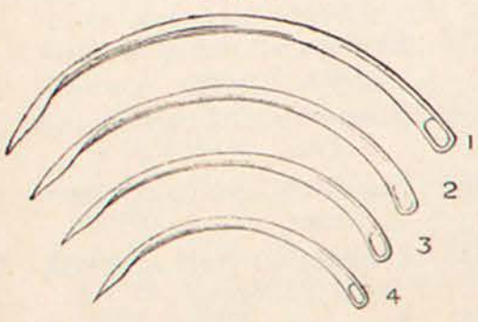


B–2173

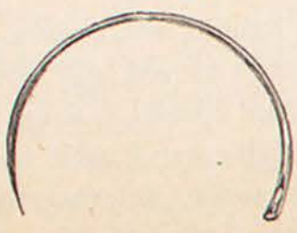


B–2174

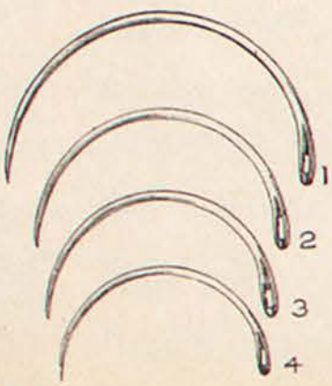
B–2168



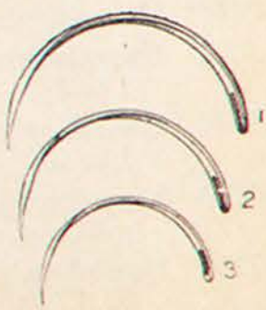
B–2169



B–2178



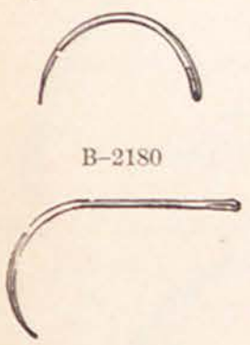
B–2181



B–2179

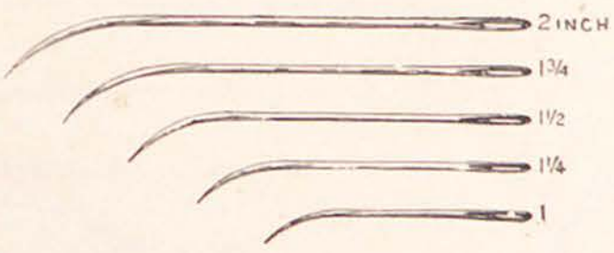
Illustrations show Full Size of Needles

General Operating Needles

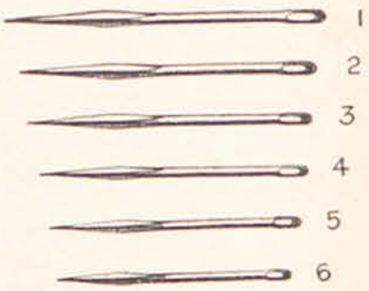


B–2180

B–2188



B–2184



B–2187

Surgeons' Needles

B–2085 Regular, straight, sizes 1 to 30.

*B–2086 Regular, straight, split eye, sizes 1 to 30.

B–2087 Regular, half curved, sizes 1 to 30.

*B–2088 Regular, half curved, split eye, sizes 1 to 30.

*B–2089 Regular, half curved, round body, sizes 1 to 18.

B–2090 Regular, full curved, sizes 1 to 30.

*B–2091 Regular, half circle curve, sizes 1 to 18.

*B–2092 Regular, full curved, split eye, sizes 1 to 30.

*B–2093 Regular, full curved, round body, sizes 1 to 18.

*B–2094 Regular, full curved, with Cunningham eye, sizes 1 to 18.

*B–2095 **Hagedorn's,** straight, sizes 1 to 13.

*B–2096 **Hagedorn's,** straight, with split eye, sizes 1 to 13.

B–2097 **Hagedorn's,** half curved, sizes 1 to 13.

*B–2098 **Hagedorn's,** half curved, with split eye, sizes 1 to 13.

B–2099 **Hagedorn** Needle, ⅜ circle, sizes 1 to 13.

B–2100 **Hagedorn's,** full curved half circle.

B–2101 **Hagedorn's,** ¼ circle curve, sizes 1 to 13.

*B–2102 **Hagedorn's,** ⅝ circle curve, sizes 1 to 13.

*B–2103 **Hagedorn's,** full curved, with split eye, sizes 1 to 13.

B–2104 **Hagedorn's,** fistula, stout, 3 sizes: 11, 12, 13.

B–2105 **Hagedorn's,** fistula, thin, 3 sizes: 14, 15, 16.

B–2106 **Hagedorn's,** intestinal, 3 sizes: 17, 18, 19.

*B–2107 **Cole's** (Central Eye) Needles, round point, sizes same as Regular Surgeons.

*B–2108 **Cole's** (Central Eye) Needles, Triangular, sizes same as Regular Surgeons.

B–2109 **Hagedorn's,** ½ circle, with reversed eye, 13 sizes.

B–2110 **Bonney's,** full curved, 7 sizes.

B–2111 **De Garmos,** full curved, 1 size.

B–2112 **Carrell's** Arterial Needles, curved, 1 size.

B–2113 **Carrell's** Arterial Needles, straight, 1 size.

B–2114 **Boston,** 4 sizes.

B–2115 **Doyen's,** curved, to be used with fingers, gilt, 3 sizes.

B–2116 **Emmet's,** straight, taper point. 5 sizes.

B–2117 **Emmet's,** half curved, taper point, 5 sizes.

B–2118 **Emmet's,** full curved, taper point, 5 sizes.

B–2119 **Emmet's,** straight, trocar point, 5 sizes.

B–2120 **Emmet's,** half curved, trocar point, 5 sizes.

B–2121 **Emmet's,** full curved, trocar point, 5 sizes.

*B–2122 Eye, half curved, 6 sizes.

*B–2123 Eye, half curved, split eye, 6 sizes.

B–2124 Eye, full curved, 6 sizes.

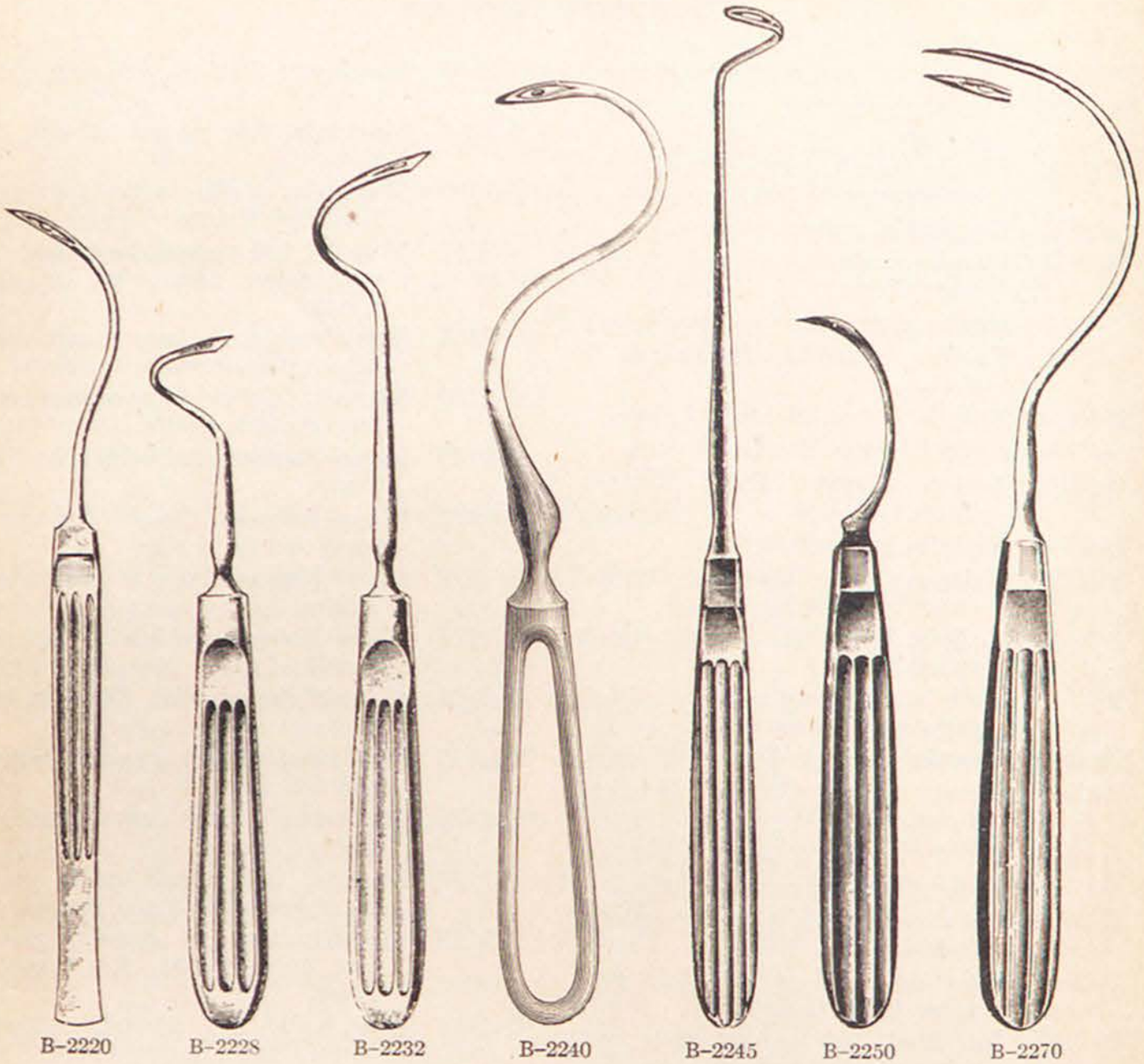
*B–2125 Eye, full curved, split eye, 6 sizes.

B–2126 **Ferguson's,** with taper point, half circle, 12 sizes.

B–2127 Fistula, full curved, light, 8 sizes.

Surgeons' Needles

B–2128 Fistula, full curved, heavy, 6 sizes.
*B–2129 Fistula, extra full curved, light, 8 sizes.
*B–2130 Fistula Needle, extra curved light springe eye, 3 sizes.
*B–2131 **Goodell's,** perineal, 3 sizes.
*B–2132 **Henderson's,** full curved, cutting edge, 6 sizes.
B–2133 Hernia, extra heavy, 1 size.
B–2134 **Keith's,** straight, abdominal, 9 sizes.
B–2135 **Kelly's** Cervix Needles, 4 sizes.
B–2136 **Kelly** Oblique Needles, 3 sizes.
B–2137 **Kelly** (**Lister** Eye) oblique Curved, 3 sizes.
B–2138 **Kelly's,** gynaecic, 6 sizes.
B–2139 **Kelly's,** full curved, trachelorraphy, 3 sizes.
*B–2140 **Kelly's** Intestinal Needle, plain eye, 4 sizes.
*B–2141 **Kelly's,** full curved, intestinal, taper point, split eye.
*B–2142 **Koenig's** fish hook curve, 5 sizes.
B–2143 Kidney Half Curved Needles, 1 size.
B–2144 Kidney Needle, straight, 1 size.
B–2145 Kidney Needle, curved, 1 size.
B–2146 Intestinal, straight, taper points, 6 sizes.
B–2147 Intestinal, half curved, plain eye, taper point, 6 sizes.
*B–2148 Intestinal, half curved, split eye, taper point, 6 sizes.
B–2149 Intestinal, full curved, plain eye, taper point, 6 sizes.
B–2150 Intestinal Needles, ½ circle, 6 sizes.
*B–2151 Intestinal, full curved, split eye, taper point, 6 sizes.
B–2152 **Lane's** Straight Needle, cleft palate, 6 sizes in ⅛ inch from ⅜ to 1 inch.
B–2153 **Lane's,** cleft palate, ⅜ circle curve.
B–2154 **Lane's,** cleft palate, ½ circle curve, 6 sizes in ⅛ inch from ⅜ to 1 inch.
B–2155 **Lane's** Straight Needle, 4 sizes.
B–2157 **Lane's** Needles, ½ circle, 4 sizes.
B–2158 **Lane's** Needles, curved, 4 sizes.
B–2159 Ligating, full curved, taper points, 3 sizes.
B–2160 Liver Needle, straight, 1 size.
B–2161 Liver Needle, curved, 1 size.
B–2162 **Loopuyt's,** half curved, to be used with fingers, 5 sizes.
*B–2163 **Loopuyt's** half curved, split eye, 5 sizes.
B–2164 **Martin's,** full curved, uterine, 7 sizes.
*B–2165 **Martin's,** uterine, with Cunningham Eye, 6 sizes.
B–2167 **Mayo's,** full curved, large square eye, taper point, for catgut, 4 sizes.
B–2168 **Mayo's,** ⅜ circle, large square eye, taper point, for catgut, 4 sizes.
B–2169 **Mayo's,** ⅜ circle, large square eye, trocar point, 4 sizes.
B–2170 **Mayo-Robson** Abdominal Needle, 1 size.
B–2171 **Mayo-Robson** Gastro Enterostomy Needle, 1 size.
B–2172 **Mayo-Robson** Intestinal Needles, 2 sizes.
B–2173 **Mayo-Robson** Muscle Stitch Needle, 1 size.
B–2174 **Mayo-Robson** Skin Needles, 2 sizes.
*B–2175 **McGowan's,** full curved, taper point, 3 sizes.
*B–2176 **McGowan's,** full curved, trocar point, 3 sizes.
*B–2177 **Mayo's,** full curved, plain eye, taper point, intestinal, 3 sizes.
B–2178 **Moynihan's,** full curved, plain eye, taper point, for catgut, 1 size.
B–2179 **Murphy's,** full curved, cutting points, for trachelorraphy, 3 sizes.
B–2180 **Murphy's,** full curved, taper point, haemostatic, 1 size.
B–2181 **Murphy's,** full curved, taper point, intestinal, 4 sizes.
*B–2182 Post-Mortem Needles, half curved, 3-inch to 6-inch in ½ inches.
*B–2183 **Sims',** straight, lance point, uterine, 5 sizes.
B–2184 **Sims',** half curved, lance point, uterine, 5 sizes.
*B–2185 **Sims',** full curved, lance point, uterine, 5 sizes.
*B–2186 **Sharp's,** arterial, 1 size.
B–2187 **Skene's,** straight, trocar point, uterine, 6 sizes.
B–2188 Staphylorraphy, fish hook, cutting point, 1 size.
*B–2189 Triangular Needles, regular, straight, 18 sizes.
*B–2190 **Woodward's,** 1 size.
*B–2191 **Wylie's** Pedicle Needles, 1 size.

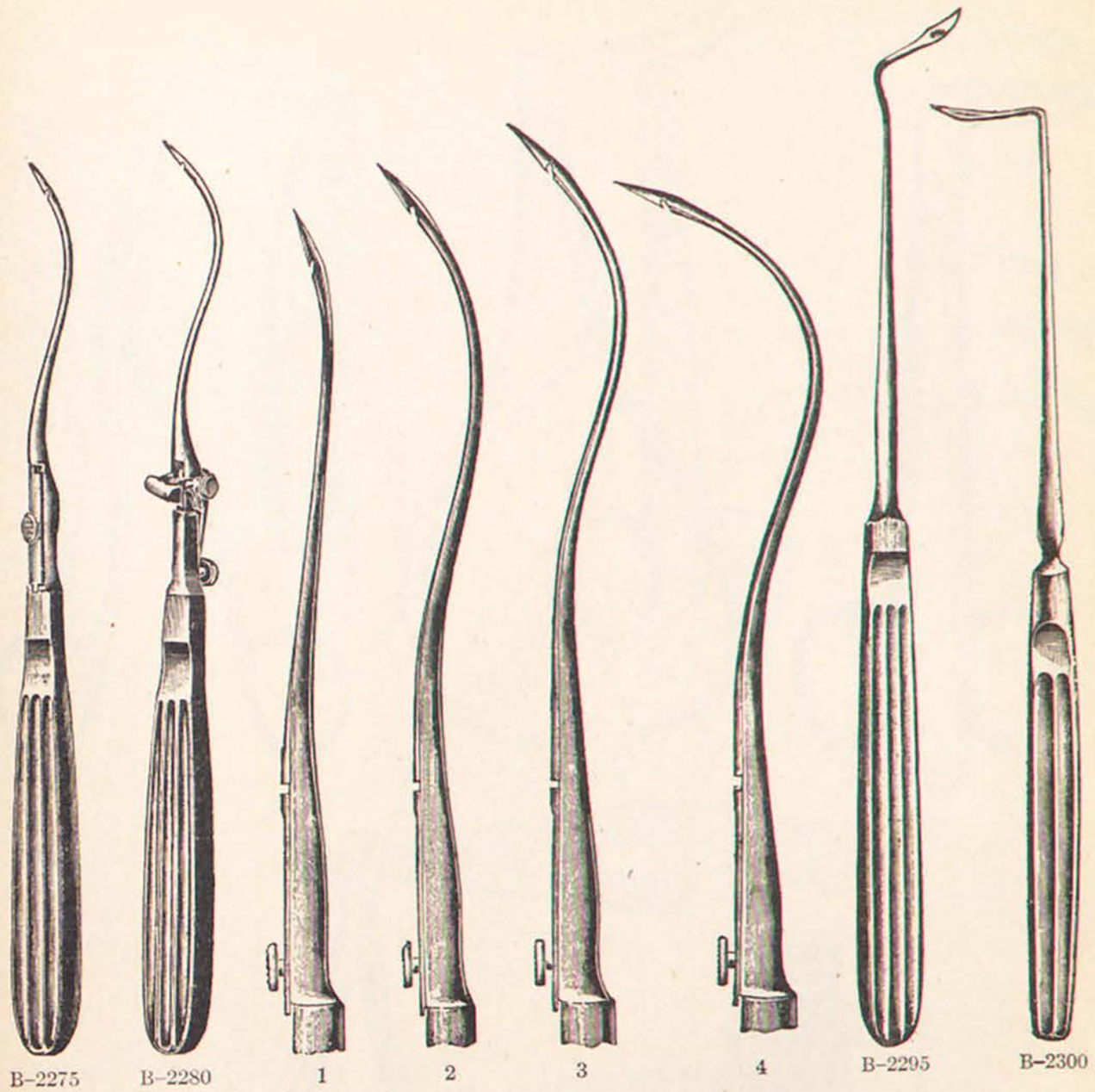


B–2220 B–2228 B–2232 B–2240 B–2245 B–2250 B–2270

B–2226

Ligature Needles with Handles

B–2220 **Ashton's,** perineal.
*B–2225 **Billroth's,** ligature, straight, heavy.
B–2226 **Billroth's,** ligature, half curved, heavy.
B–2228 **Carsten's,** cervical, right or left.
*B–2230 **Carsten's,** ligature, blunt, right or left.
B–2232 **Carsten's,** perineal, right or left.
*B–2235 **Clark's,** perineal, right or left.
B–2240 **Davis',** ligature, curved.
B–2245 **Deschamp's,** ligature, right or left, blunt.
*B–2246 **Deschamp's,** ligature, right or left, sharp.
B–2250 **Felizet's,** perineal, curved.
*B–2255 **Keyes',** varicocele, plain, spear point.
*B–2256 **Keyes',** varicocele, plain, oblique point.
*B–2260 **Landau's,** ligature, sharp, with Hagedorn eye.
*B–2265 **Langenbeck's,** ligature, curved, blunt.
B–2270 **Pean's,** ligature.



Ligature Needles with Handles

B–2275 **Reverdin's,** suture, plain, sliding eye, curves, 1, 2, 3, 4.

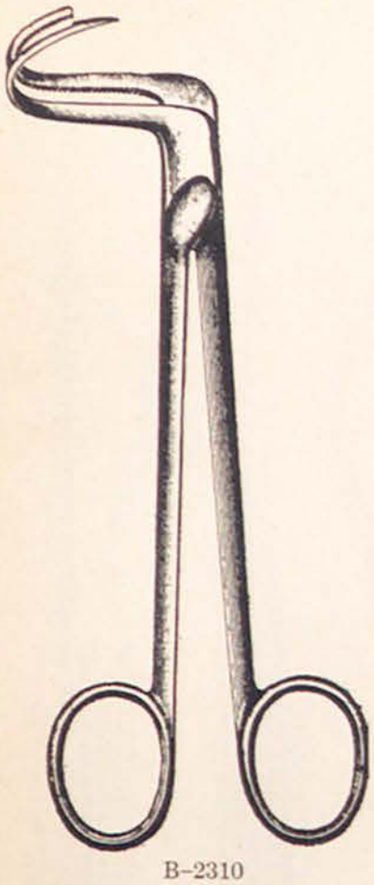
B–2280 **Reverdin's,** suture, automatic eye, curves, 1, 2, 3, 4.

*B–2285 **Reverdin's,** suture, automatic eye, **Hagedorn** point, curves, 1, 2, 3, 4.

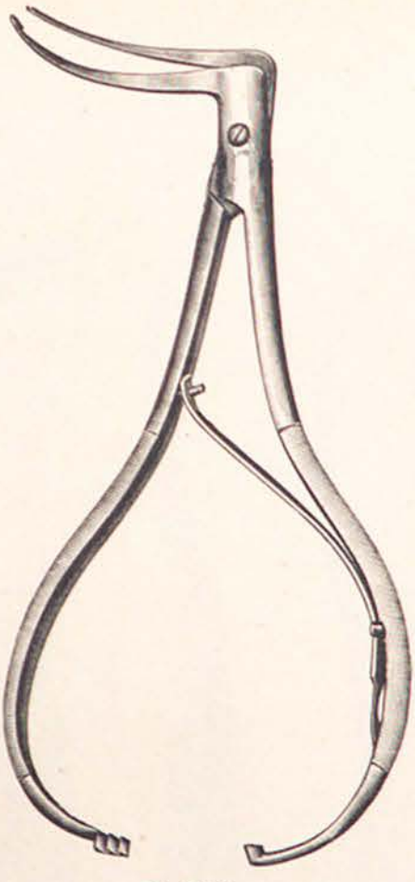
*B–2290 **Reverdin's,** cervical, automatic eye, right or left.

B–2295 Spiral curve, cervical, right or left.

B–2300 **Wilson's,** cervical, right or left.



B–2310



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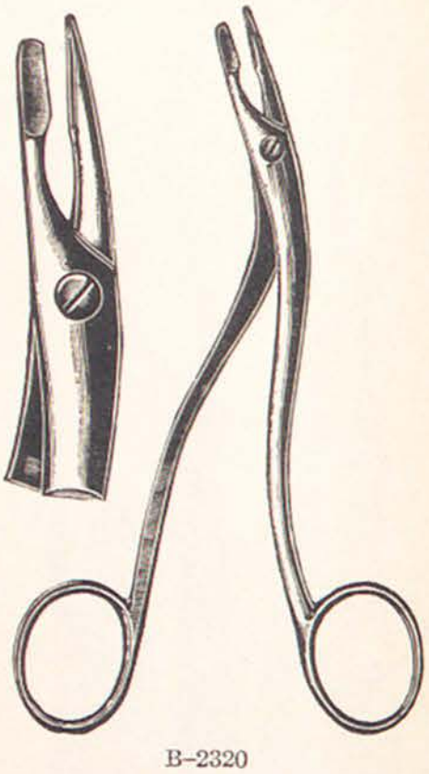
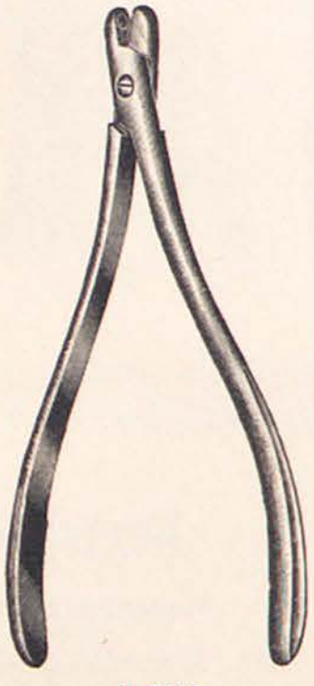


B–2320



B–2315



B–2317

Ligature Carriers

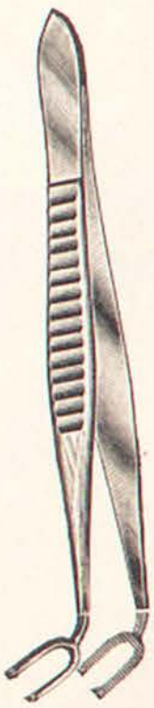
B–2310 **Cleveland's,** scissors handle, 6 inches, 8 inches.
B–2312 **Cleveland's,** improved, latest model, right and left.

Suture Sundries

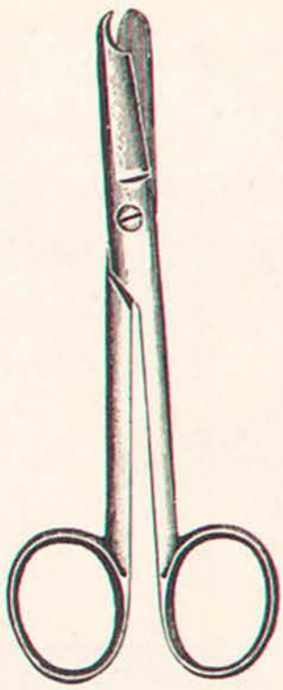
B–2315 Perforated Shot, 100 in bottle.
B–2317 Shot Compressor.
B–2320 Spreading Forceps, **Richter's,** for removing, or regulating the pressure of Michel's wound clips.



B–2322



B–2326



B–2330



B–2335



B–2324



B–2325

Suture Sundries

B–2322 Suture Forceps, **Michel's,** plain.

B–2324 Suture Forceps, **Michel's,** improved, straight, for applying and removing clips.

B–2325 Suture Forceps, **Michel's,** improved, curved, for applying and removing clips.

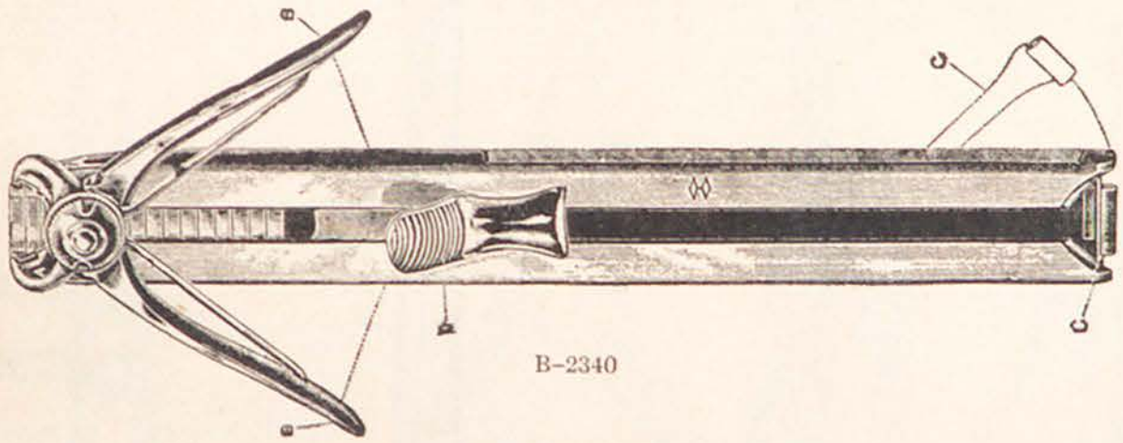
B–2326 Suture Forceps, **Roubaix's,** angular.

*B–2327 Suture Forceps, **Roubaix's,** straight.

B–2330 Suture Scissors, **Littauer's,** 5½ inches.

B–2335 Wound Clips, **Michel's,** small, medium and large.

*B–2337 Wound Clip Set, **Michel's,** in metal case.



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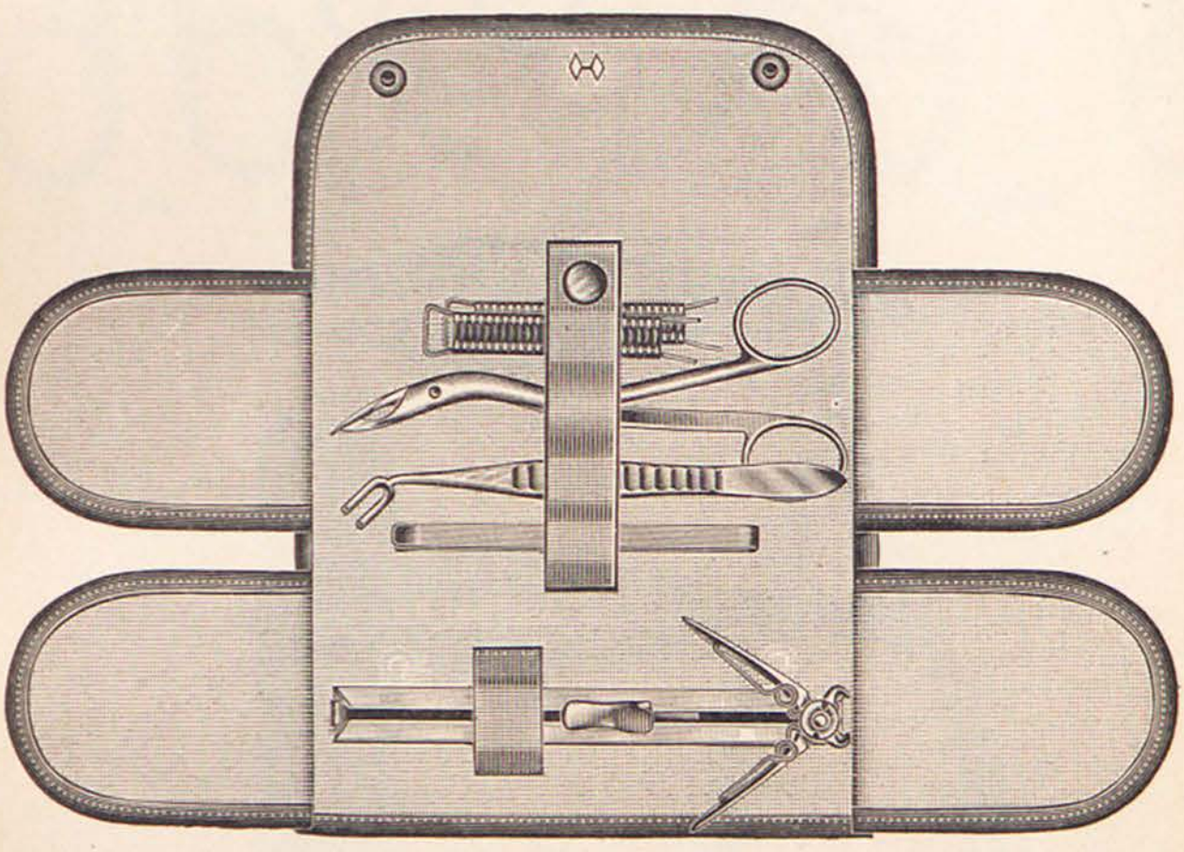
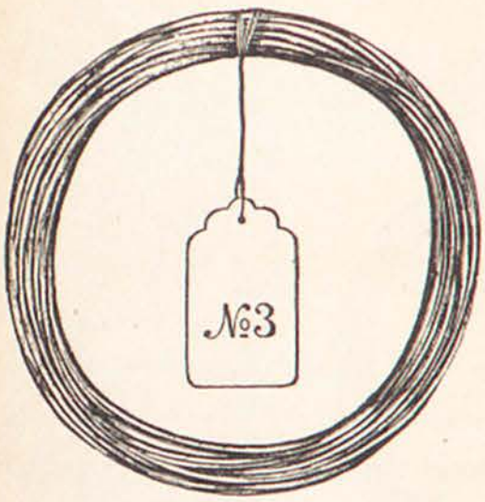


B–2342

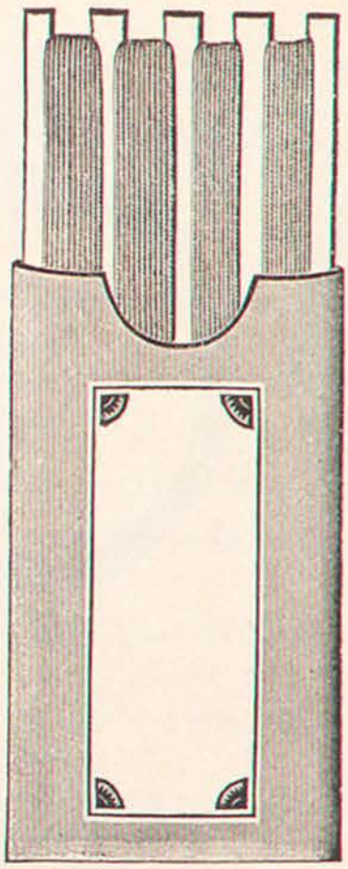
Wound Clip Forceps and Sets

B–2340 **Richter's** Magazine Wound Clip Forceps, holds 50 clips.

B–2342 **Richter's** Magazine Wound Clip Set, complete, in case.



B–2400



B–2432 B–2446
B–2437 B–2448



B–2430 B–2442



B–2412-2415

Sutures and Ligatures Unsterilized

B–2400 Catgut, dry, in bundles of 10 strings, each string 10 feet long: Nos. 00, 0, 1, 2, 3, 4, 5, 6,

*B–2405 Celluloid Yarn, **Pagenstecher's,** sizes 00 to 6, in 5 gram hanks.

*B–2407 Celluloid Yarn, **Braun's,** in 4 sizes, in hanks.

*B–2410 Horse Hair, 25 strands, in bottle.

*B–2411 Horse Hair, 100 strands, in paper box, 20 inches.

B–2412 Linen Thread, **Mayo's,** iron dyed, No. 25, in hanks.

B–2413 Linen Thread, **Mayo's,** iron dyed, No. 35, in hanks.

B–2414 Linen Thread, **Mayo's,** iron dyed, No. 50, in hanks.

B–2415 Linen Thread, **Mayo's,** iron dyed, No. 90, in hanks.

*B–2420 Kangaroo Tendon, unfinished, assorted sizes.

*B–2425 Silk, braided, **Turner's,** 12 sizes, in skeins, sizes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12.

B–2430 Silk, braided, 1 size on card, in 12 sizes.

B–2432 Silk, braided, 4 sizes on card, in slip case.

B–2435 Silk, braided, iron dyed, 1 size on card, in 12 sizes.

B–2437 Silk, braided, iron dyed, 4 sizes on card, in slip case.

B–2440 Silk, braided, white, on half ounce spools.

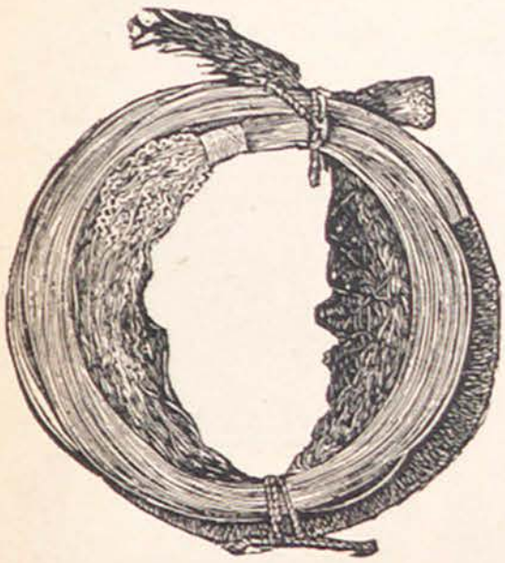
B–2442 Silk, twisted, white, 1 size on card, in 20 sizes.

B–2444 Silk, twisted, iron dyed, 1 size on card, in 20 sizes.

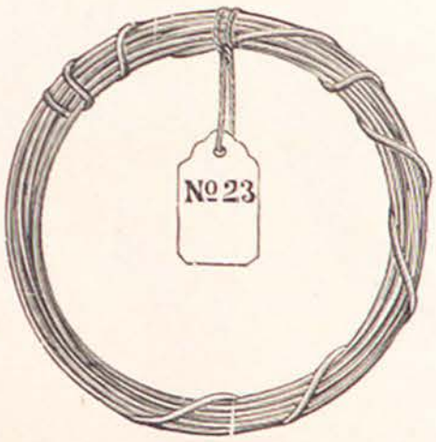
B–2446 Silk, twisted, white, 4 sizes on card, in slip case.

B–2448 Silk, twisted, iron dyed, 4 sizes on card, in slip case.

B–2450 Silk, twisted, white, cable twist, in hanks.



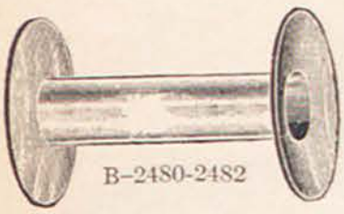
B–2455-2457



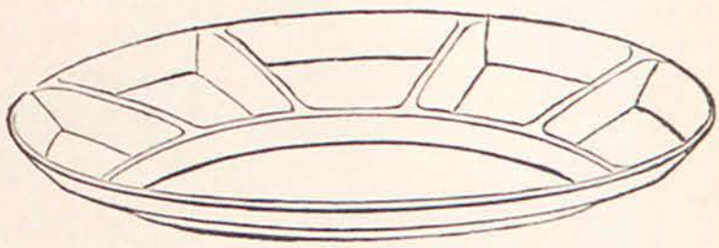
B–2470
B–2474



B–2472



B–2480-2482



B–2485-2486

Sutures and Ligatures, Unsterilized

B–2455 Silkwormgut, ordinary quality, 14-inch strands, 100 strands to coil: size: fine, medium, coarse, X coarse, XX coarse.

B–2457 Silkwormgut, finest quality, 14-inch strands, 100 strands to coil: size, fine, medium, coarse, X coarse, XX coarse, XXX coarse.

*B–2460 Wire, aluminum bronze, 4 sizes, 20 coils, in box.

*B–2465 Wire, silver, pure, No. 14 B. & S., for bone work.

*B–2466 Wire, silver, pure, No. 16 B. & S., for bone work.

*B–2467 Wire, silver, pure, No. 18 B. & S., for bone work.

*B–2468 Wire, silver, pure, No. 20 B. & S., for bone work.

B–2470 Wire, silver, pure, sizes 22 to 30, B. & S., in 2 dwt. coils.

B–2472 Wire, silver, pure, in spools of 1 yard each, 6 spools in box.

B–2474 Wire, silver, pure, in half ounce coils, sizes 22 to 30, B. & S.

B–2480 Glass Reels, for ligatures, 1½ x 2 inches.

B–2482 Glass Reels, for ligatures, 1½ x 2½ inches.

B–2485 Suture Plate, glass, with 6 compartments.

B–2486 Suture Plate, opaque glass, with 6 compartments.



Sterilized Ligatures and Sutures

B–2500 Catgut, plain, in sealed tubes, 5-foot strands, sizes 000 to 4.

B–2502 Catgut, chromic, in sealed tubes, 5-foot strands, sizes 000 to 4; 10, 20, 30 and 40 day.

B–2504 Catgut, **Bartlett** Process, plain, in sealed tubes, 5-foot strands, sizes 00 to 4.

B–2506 Catgut, **Bartlett** Process, tanned, in sealed tubes, 5-foot strands, sizes 00 to 4; 20 and 30 day.

B–2508 Catgut, plain, **Emergency,** in sealed tubes, 20-inch strands, without needles, sizes 00 to 4.

B–2510 Catgut, chromic, **Emergency,** in sealed tubes, 20-inch strands, sizes 00 to 4; 10 and 20 day.

B–2512 Catgut, plain, **Emergency,** in sealed tubes, 30-inch strands with half curved or full curved needles, sizes 00 to 3.

B–2514 Catgut, chromic, **Emergency,** in sealed tubes, 30-inch strands with half curved or full curved needles, sizes 00 to 3; 10, 20 and 40 day.

B–2516 Catgut, plain or chromic, in sealed envelopes, sizes 00 to 4.

B–2518 Catgut, plain or chromic, in 3-spool bottles, 3 sizes in bottle.

B–2520 Circumcision Suture, in sealed tubes, plain catgut, 30-inch strand, threaded on a full-curved needle, sizes 00, 0, 1.

B–2522 Horsehair, in sealed tubes.

B–2524 Silk, twisted, in sealed tubes, 2-yard strands, white or iron dyed.

B–2526 Silk, twisted, in sealed tubes, **Emergency,** white or iron dyed, with half curved or full curved needles.

B–2527 Silk, twisted, dry-sterile, in sealed envelopes.

B–2528 Silkwormgut, in sealed tubes, 6–13-inch strands in each tube.

B–2530 Silkwormgut, in sealed tubes, 2–13-inch strands in each tube.

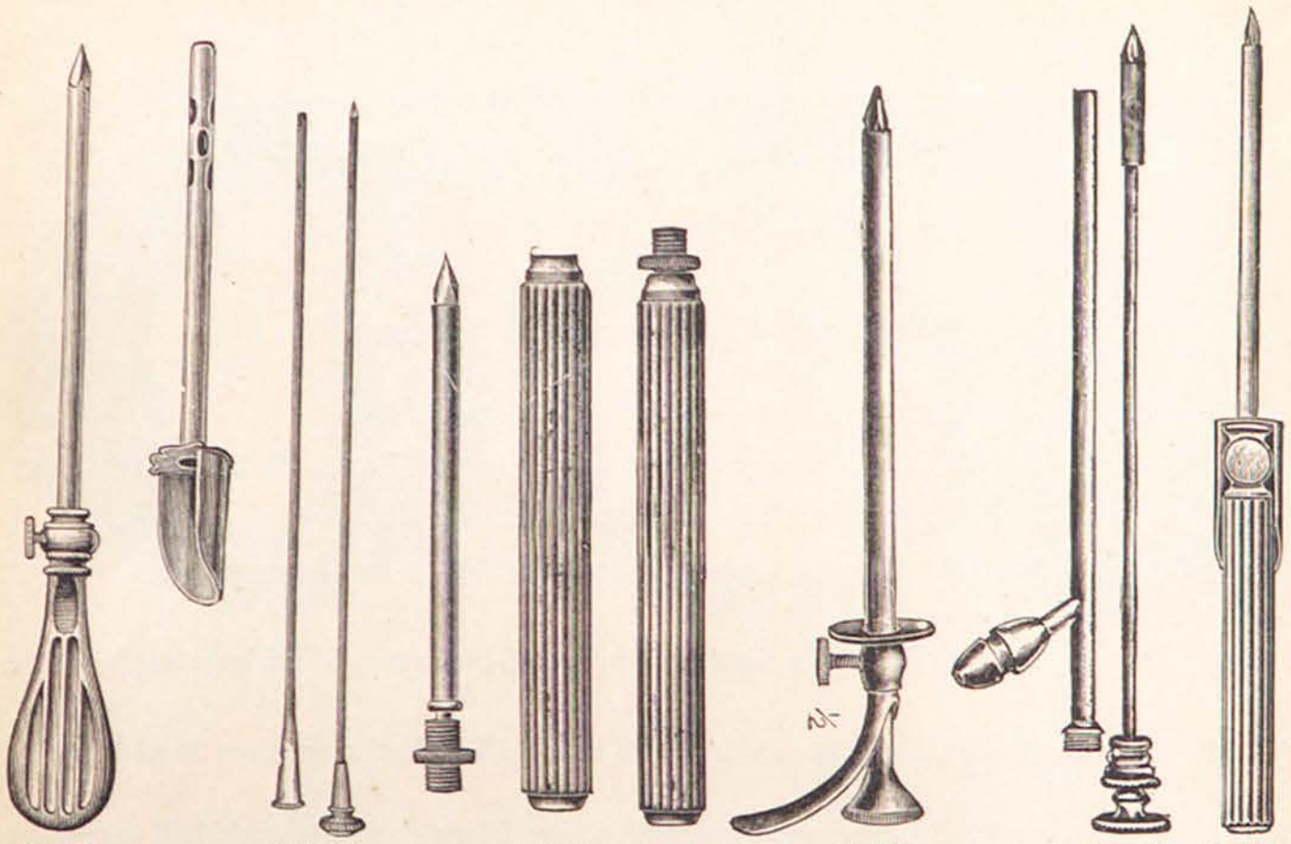
B–2532 Obstetrical or Perineal Sutures, in sealed tubes, **chromic catgut,** 30-inch strand, threaded on a full-curved needle No. 6.

B–2534 Obstetrical or Perineal Sutures, in sealed tubes, **silk,** 30-inch strand, threaded on a full-curved needle No. 6.

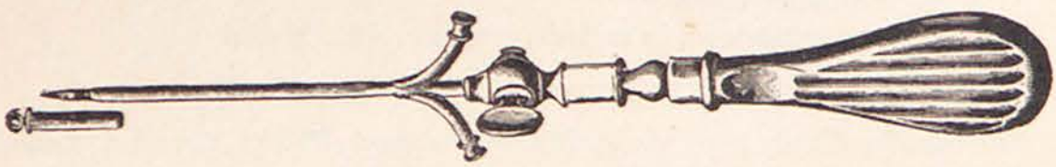
B–2536 Obstetrical or Perineal Sutures, in sealed tubes, **silkwormgut,** threaded on a full-curved needle No. 6.

B–2540 Bone Wax, sterile, in sealed tubes.

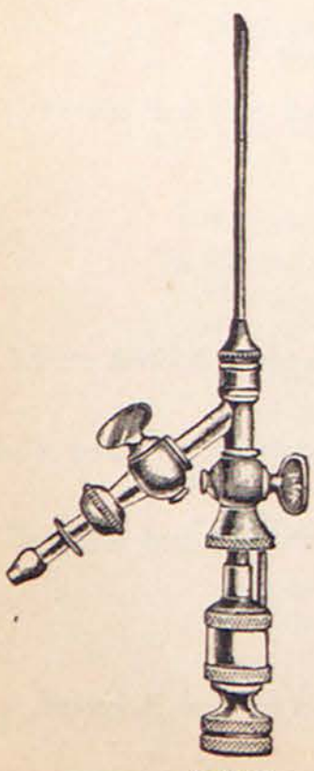
Illustrated, Descriptive List of Sterilized Sutures and Ligatures sent on Request.



B–2575 B–2585 B–2600 B–2615 B–2620 B–2630



B–2610



B–2625

Trocars

*B–2570 Trocar, anasarca, **Southey's.**

B–2575 Trocar, **Birch's,** with perforated canulae.

*B–2580 Trocar, **Emmet's,** small, No. 10 French scale.

B–2585 Trocar, exploring, German silver canulae.

*B–2590 Trocar, **Fowler's,** pocket, with salt infusion needles.

*B–2595 Trocar, **Guitera's,** perineal.

B–2600 Trocar, pocket, 4 sizes.

*B–2605 Trocar, reversible, in wire handle, 6 sizes.

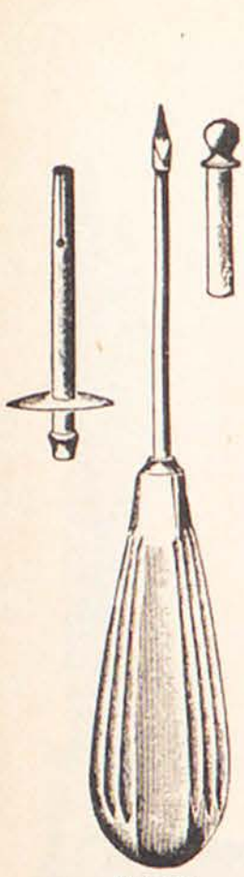
B–2610 Trocar, **Kashimura's,** thoracic, with stop cock.

B–2615 Trocar, **Lower's,** for suprapubic drainage of bladder.

B–2620 Trocar, **Ochsner's,** gall bladder, 3 sizes, ⅛, ½, ¼ inch diameter.

B–2625 Trocar, **Robinson-Brauer's,** thoracic, for pneumothorax.

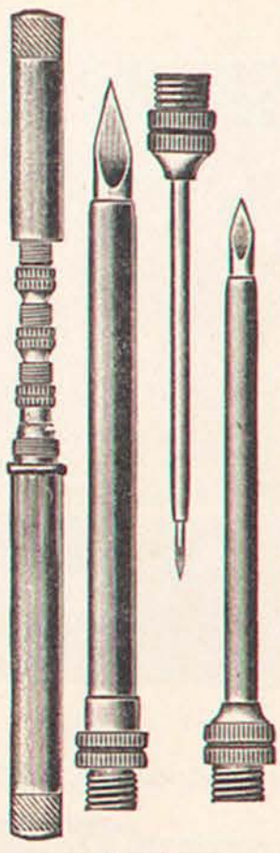
B–2630 Trocar, plain, reversible, with off-flow scoop.



B–2635



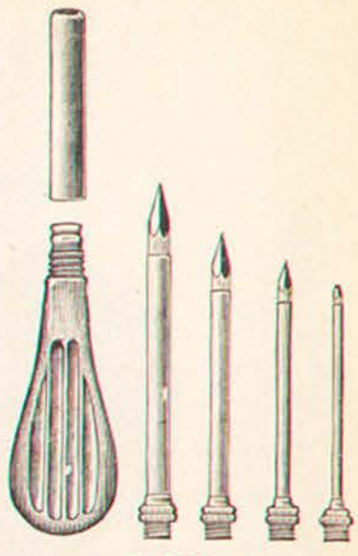
B–2640



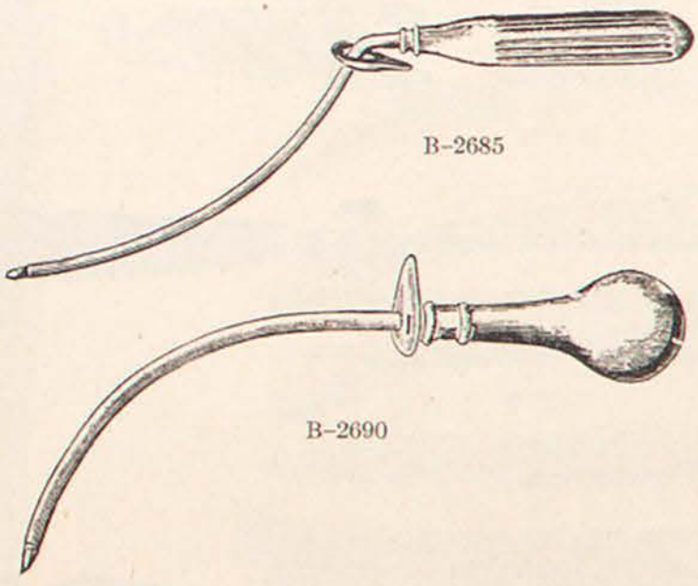
B–2645



B–2665

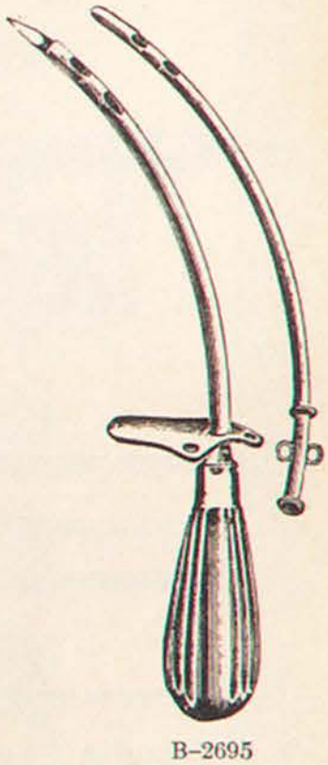


B–2660



B–2685

B–2690



B–2695

Trocars

B–2635 Trocar, with disc and snap canulae, 3 sizes.

B–2640 Trocar, flat handle, reversible, 4 sizes.

B–2645 Trocar, telescopic, pencil case form, 3 in set.

*B–2650 Trocar, telescopic, pencil case form, 4 in set.

*B–2655 Trocar, telescopic, flat handle form, 3 in set.

B–2660 Trocar, telescopic, flat handle form, 4 in set.

*B–2662 Trocar for **Potain's** aspirator, 3 sizes.

Trocars, Ovarian

B–2665 Emmet's.

*B–2670 Pean's.

*B–2675 Wylie's, blunt.

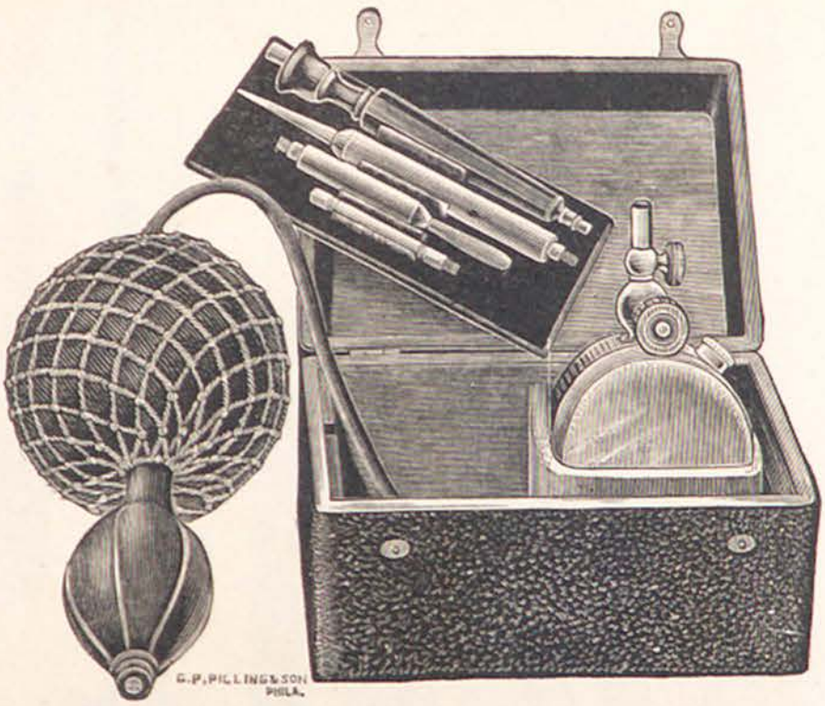
*B–2680 Wylie's, sharp.

Trocars, Vesical

B–2685 Buck's.

B–2690 Plain.

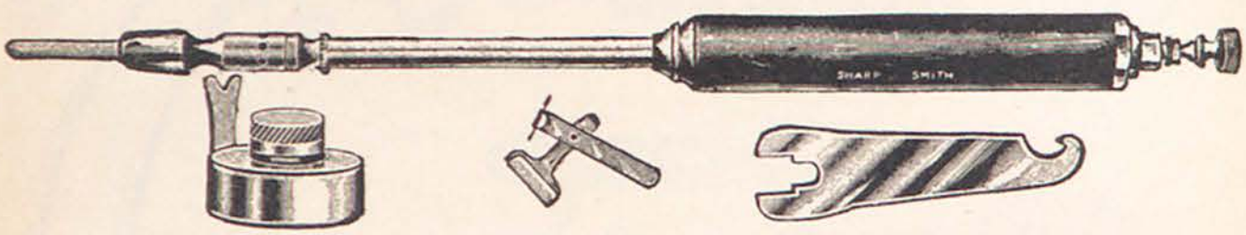
B–2695 Fleurant's.



B–2720



B–2760



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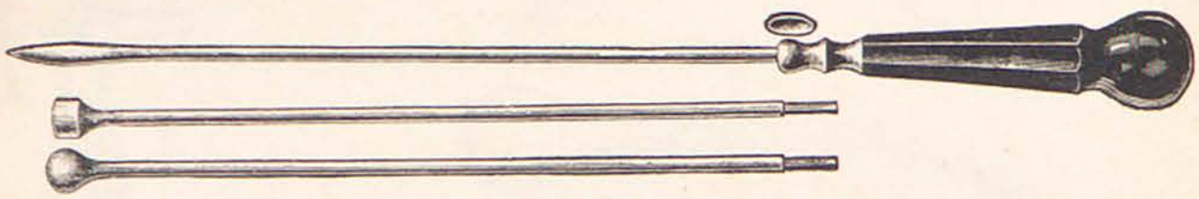
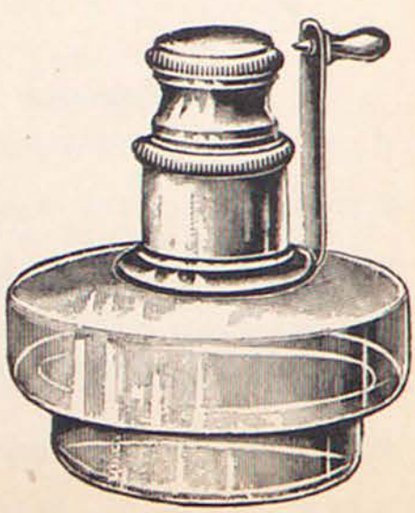


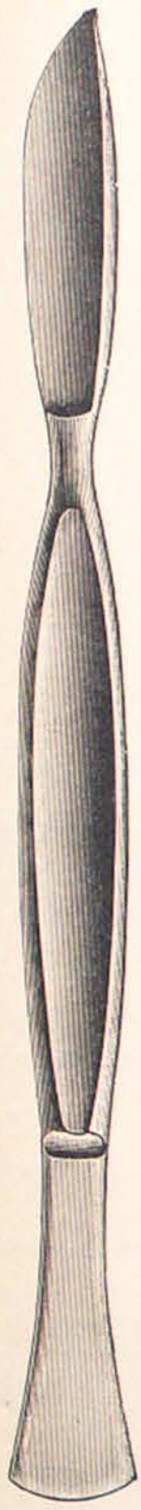
B–2750

Thermo and Actual Cauteries

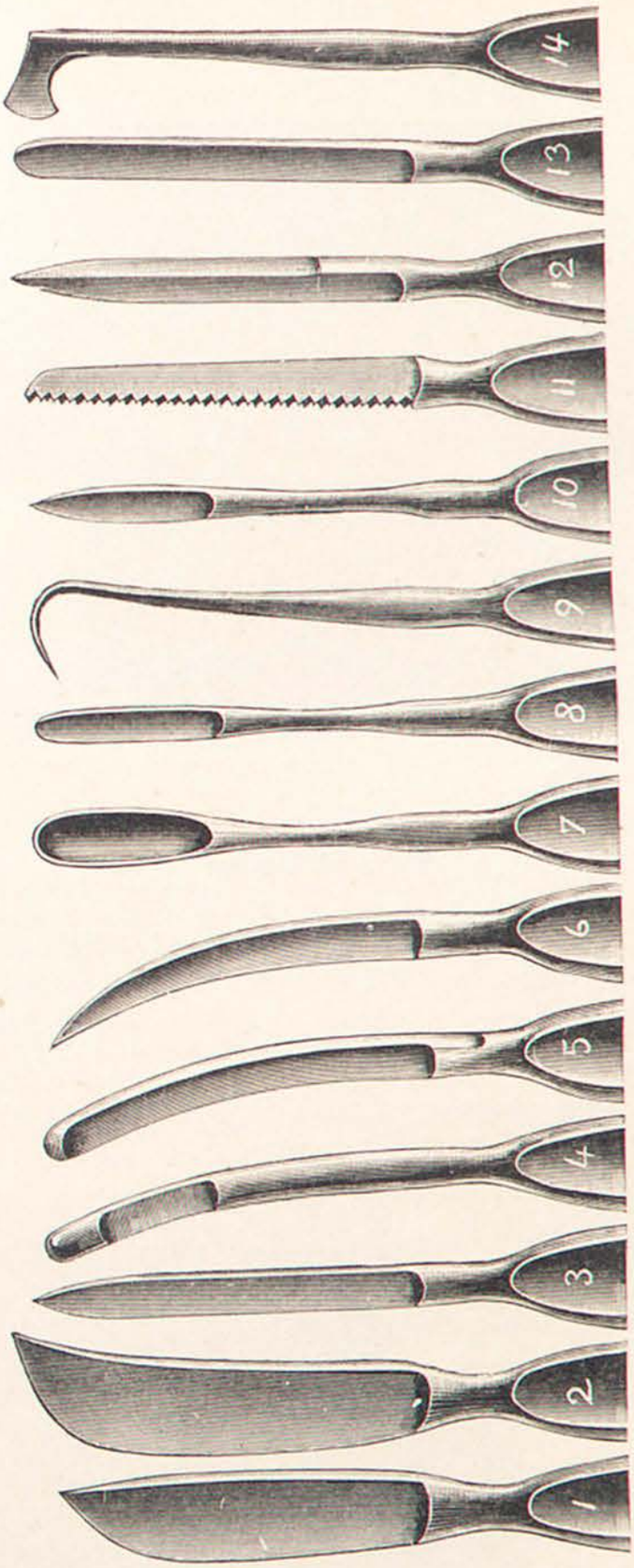
B–2720 **Paquelin** Thermo Cautery, complete as shown.
B–2725 Perfected Auto Ether Cautery, complete as shown.
*B–2730 Thermo Cautery Bulb, pure gum, with net.
*B–2735 Thermo Cautery Burner, platinum, sharp taper point.
*B–2740 Thermo Cautery Burner, platinum, knife shape.
*B–2745 Thermo Cautery Burner, platinum, button point.
B–2750 Actual Cautery Iron, set of 3, fitting in one handle.
*B–2755 Actual Cautery Iron, round point, rigid handle.
*B–2756 Actual Cautery Iron, flat button point, rigid handle.
*B–2757 Actual Cautery Iron, conical point, rigid handle.
B–2760 Actual Cautery Copper, light, with wood handle.
B–2765 Alcohol Lamp for heating thermo cautery burners.
*B–2770 Gas Stove for heating actual cautery burners.



B–2765



B–2800

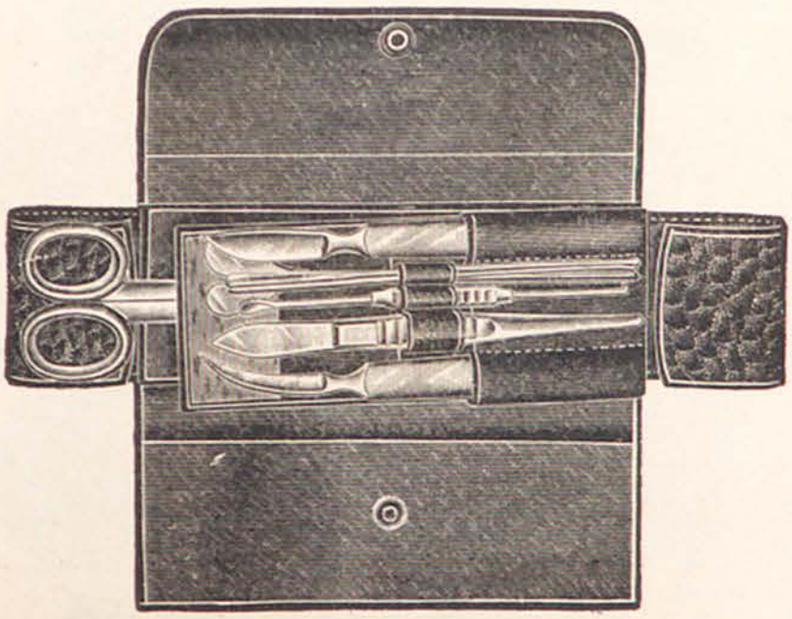




B–2805

Pocket Case Knives

B–2800	Pocket Case Knife, concave handle, any style blade.
B–2805	Pocket Case Knife, plain handle, any style blade.
*B–2810	Pocket Case Knife, plain handle, short.
*B–2815	Pocket Case Knife, 4 blades, aluminum handle, folding, in pouch.
*B–2820	Pocket Case Knives, double, aluminum handle.



B–2851

Pocket Cases

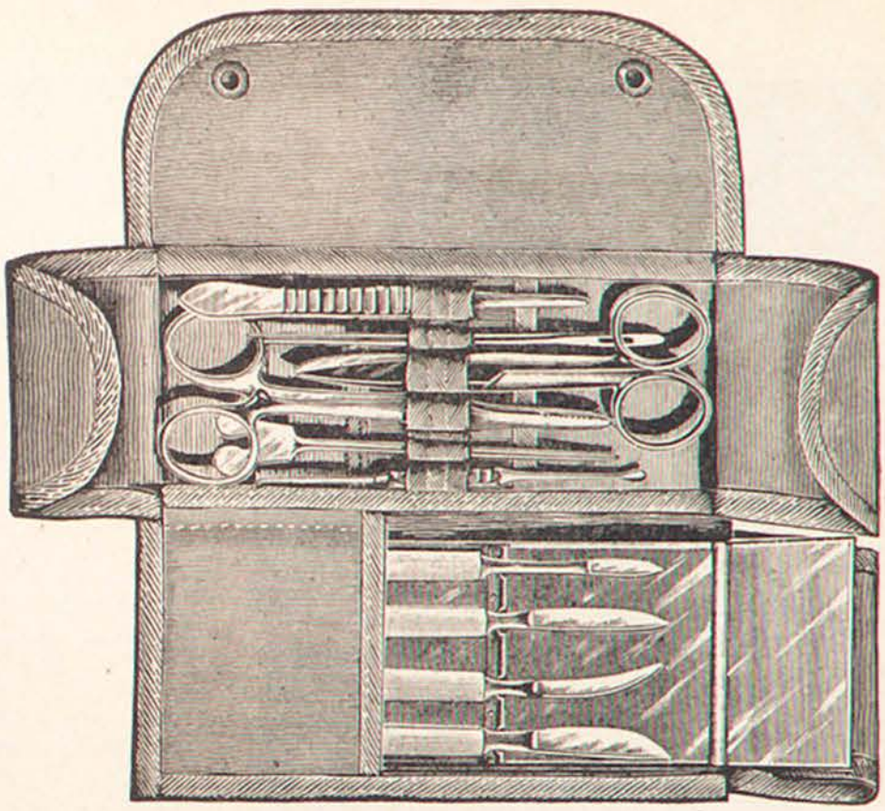
B–2851 **Vest Pocket Case.** Contents: 2 Little's knives, 1 straight scissors, 1 thumb forceps, 1 director and tongue tie, 1 Gross' hook and spoon, needles and silk, in fine black grained leather case.

B–2852 **Vest Pocket Case.** 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 black leather case.

Vest Pocket Case No. 2, in fine black grain leather case.

B–2853 **Vaughan's Vest Pocket Case, Khaki Case,** contents: 2 Little's knives in metal rack, 1 straight scissors, 1 thumb forceps, 1 director and tongue tie, 2 probes, 1 Gross' ear hook and spoon, 1 Pean's haemostat, needles and silk.

B–2854 **Vaughan's Emergency Pocket Case, Khaki Case,** contents: 1 thermometer in metal case, 1 Luer syringe 1½ cc., 2 Luer needles in clip holders, 1 Lindridge hypo spoon for sterilizing injections, 1 screw cap bottle, 1 bottle asbestos, 1 Mead's abscess knife in metal container, 1 thumb forceps, 5 inches, 1 Tait's haemostat, 1 grooved director and tongue tie, 1 combined male and female catheter, a straight scissors, 4½ inches, 1 Lister's bandage scissors, 5½ inches.



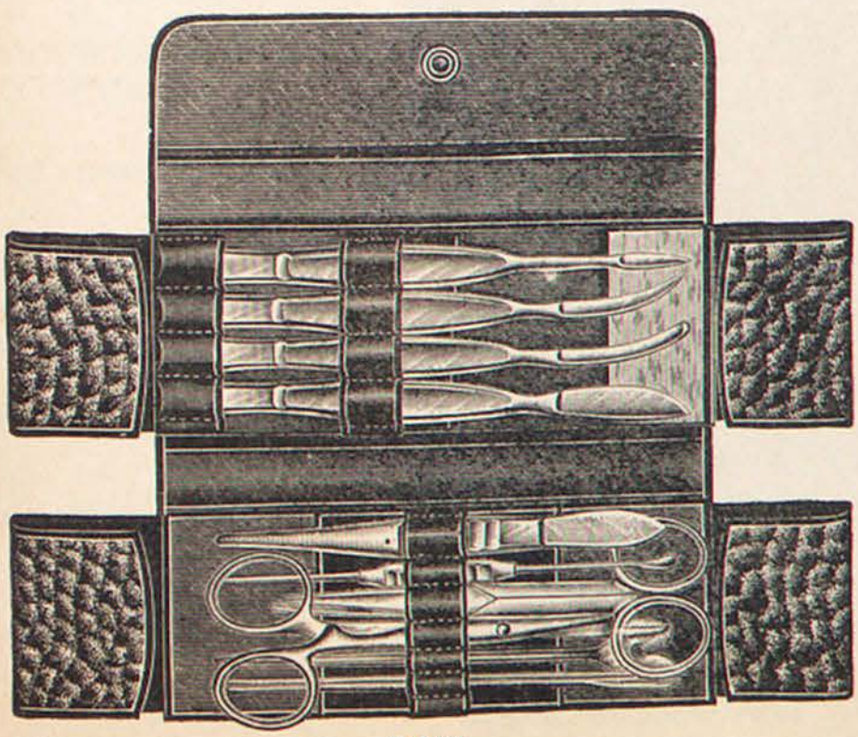
B–2858

Pocket Cases

B–2858 **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.

B–2860 **Pocket Case,** contents: 4 long concaved handle 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–2861 **Pocket Case,** contents: same as B–2860, but with plain handle knives.



B–2860

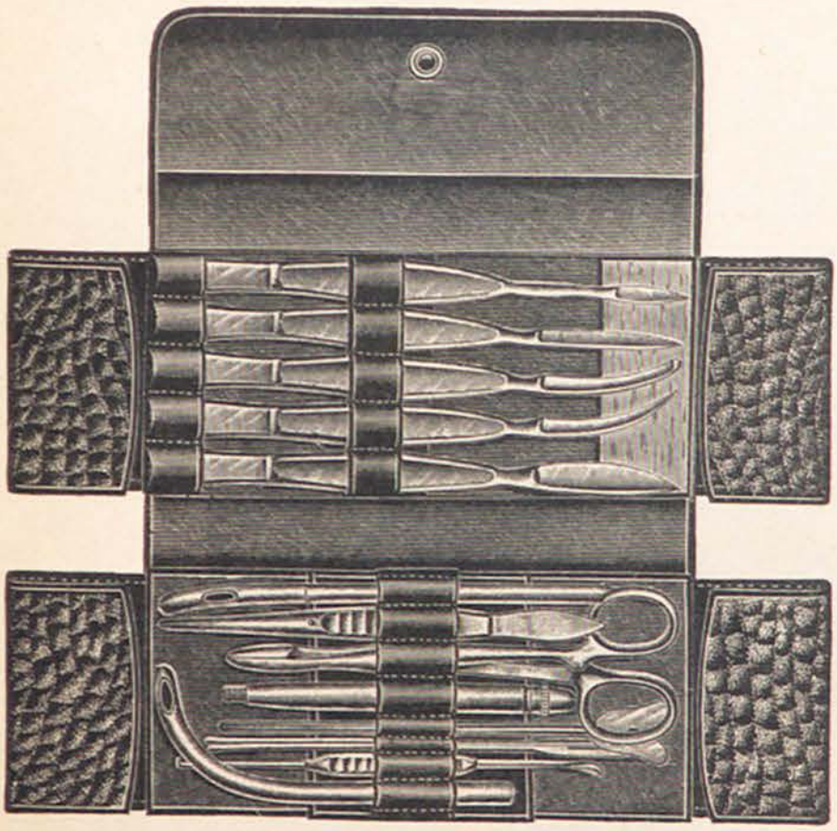
Cases put up in black morocco grain leather.

*B–2865 **Pocket Case,** contents: 4 long concaved handle knives, 1 straight scissors, 1 thumb forceps, 1 Pean's forceps, 1 exploring needle, 1 ear spoon and director, 2 probes, 1 needle holder, needles and silk.

*B–2866 **Pocket Case,** contents: same as B-2865, but with plain handle knives.

Cases put up in black morocco grain leather.

Pocket Cases

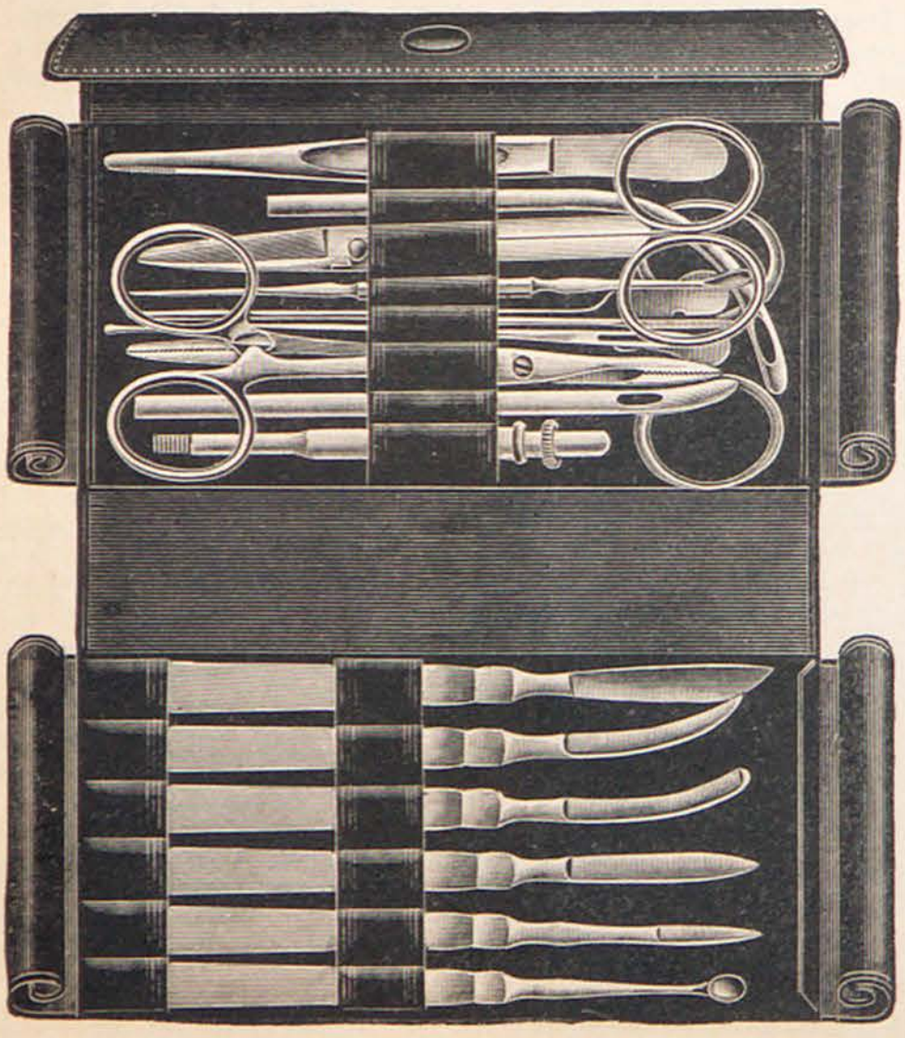


B–2868

B–2868 **Pocket Case,** contents: 5 long concaved handle 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–2869 **Pocket Case,** contents: same as B-2868, but with plain handle knives.

Cases put up in black morocco grain leather.



B–2875

B–2875 **Pocket Case,** in genuine calf case.

Contents

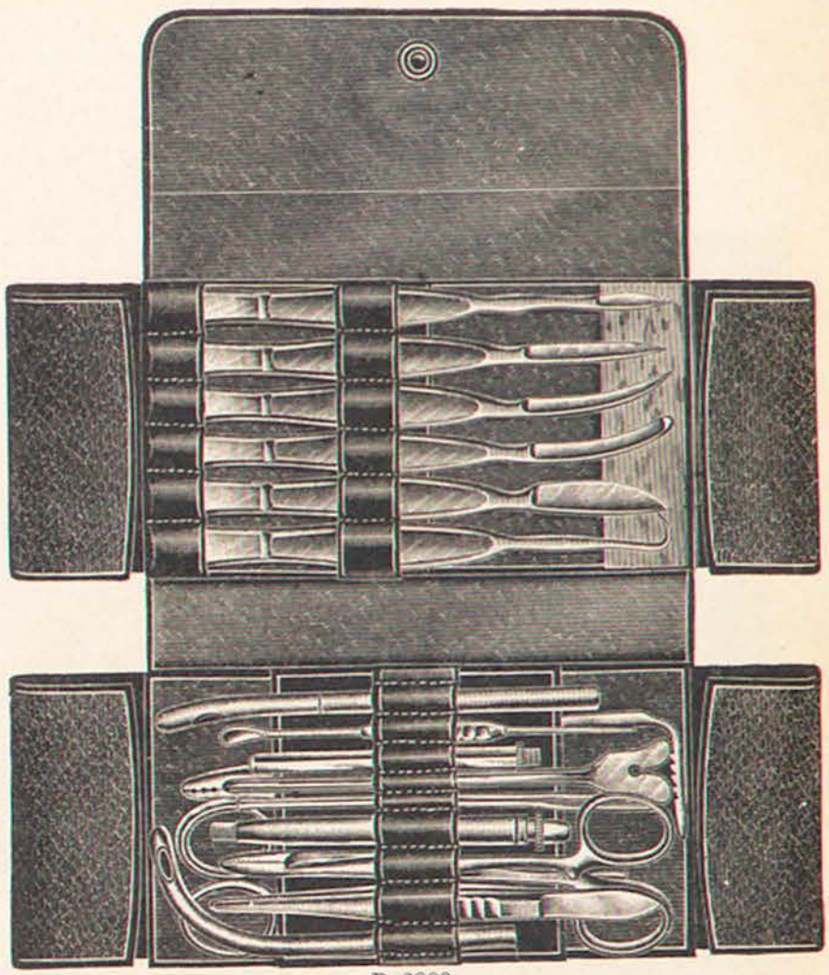
6 Little's knives, assorted
1 Pean's haemostatic forceps
1 Jones' haemostatic forceps
1 straight scissors
1 thumb forceps
1 Parker's combined catheter
1 Gross' ear spoon and hook
1 director with tongue tie
1 pair of probes
Needles and silk

Pocket Cases

B–2880 **Pocket Case,** contents: 6 long concaved handle knives, 1 thumb forceps, 1 Keen's needle holder, 1 straight scissors, 4½ inches, 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–2881 **Pocket Case,** contents: Same as B-2880, but with plain handle knives.

Cases put up in genuine morocco.

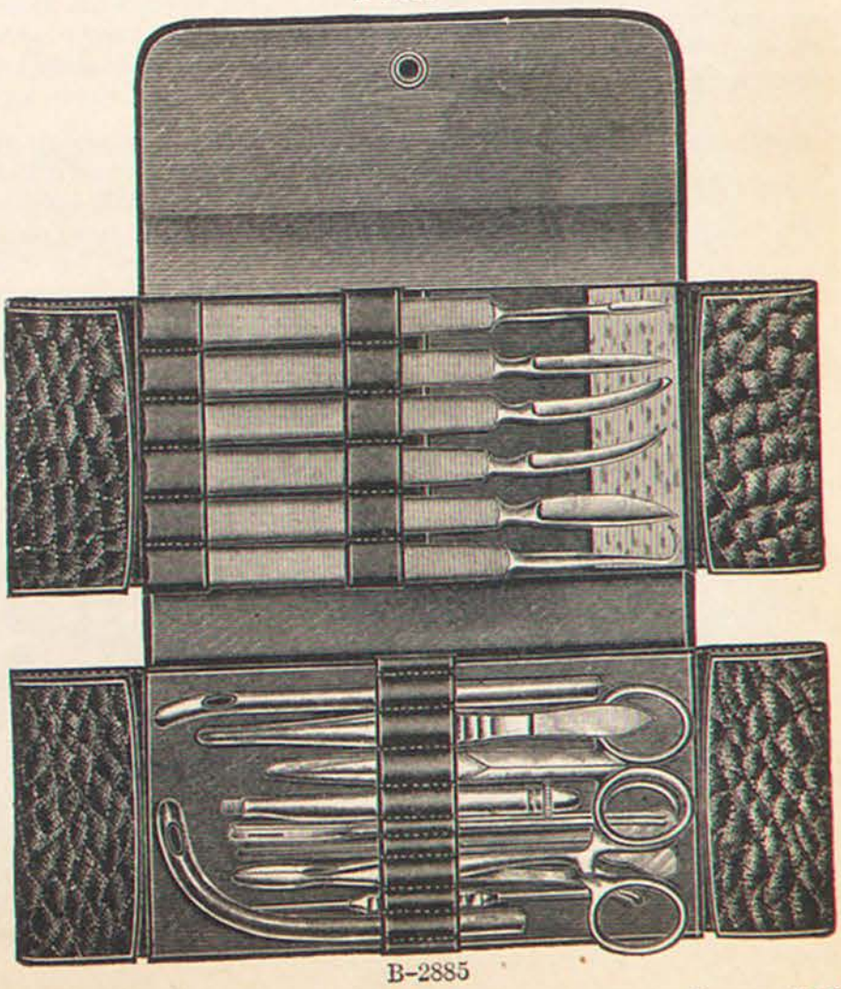


B–2880

B–2885 **Pocket Case,** contents: 6 long plain handle 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.

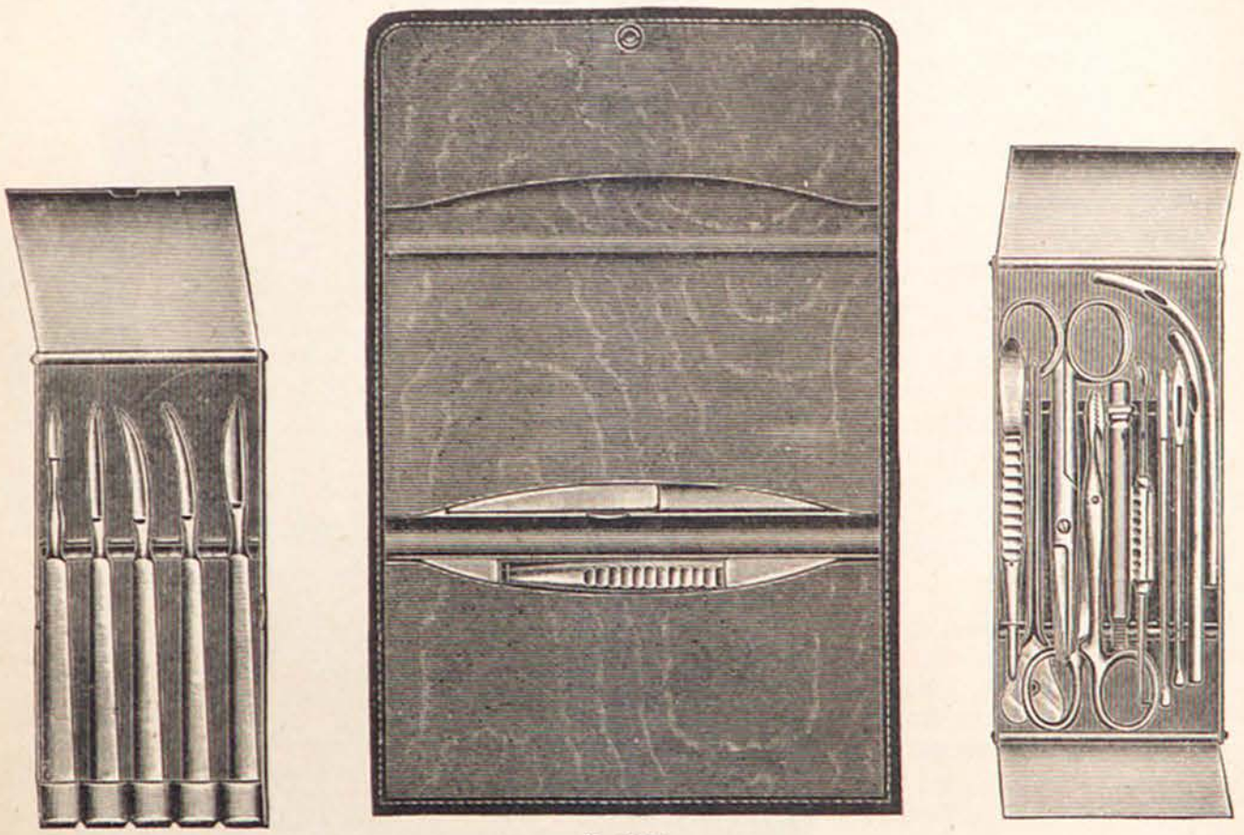
*B–2886 **Pocket Case,** contents: same as B-2885, but with fine concaved handle knives.

Cases put up in black morocco and seal grain leathers.



B–2885

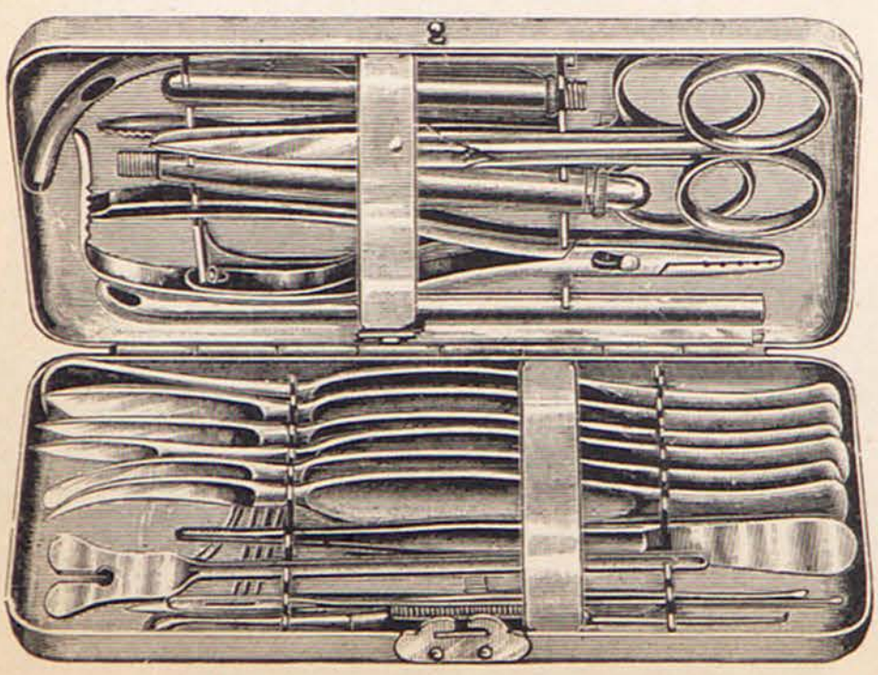
Pocket Cases



B–2870

B–2870 **The Whitmarsh-Douglass Pocket Case,** plain handled knives, plain leather case.
*B–2871 **The Whitmarsh-Douglass Pocket Case,** concave handle knives, plain leather case.
*B–2872 **The Whitmarsh-Douglass Pocket Case,** plain handle knives, khaki case.
*B–2873 **The Whitmarsh-Douglass Pocket Case,** concave handle knives, khaki case.
*B–2874 **The Whitmarsh-Douglass Pocket Case,** concave handle knives in fine grained black morocco case.

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.

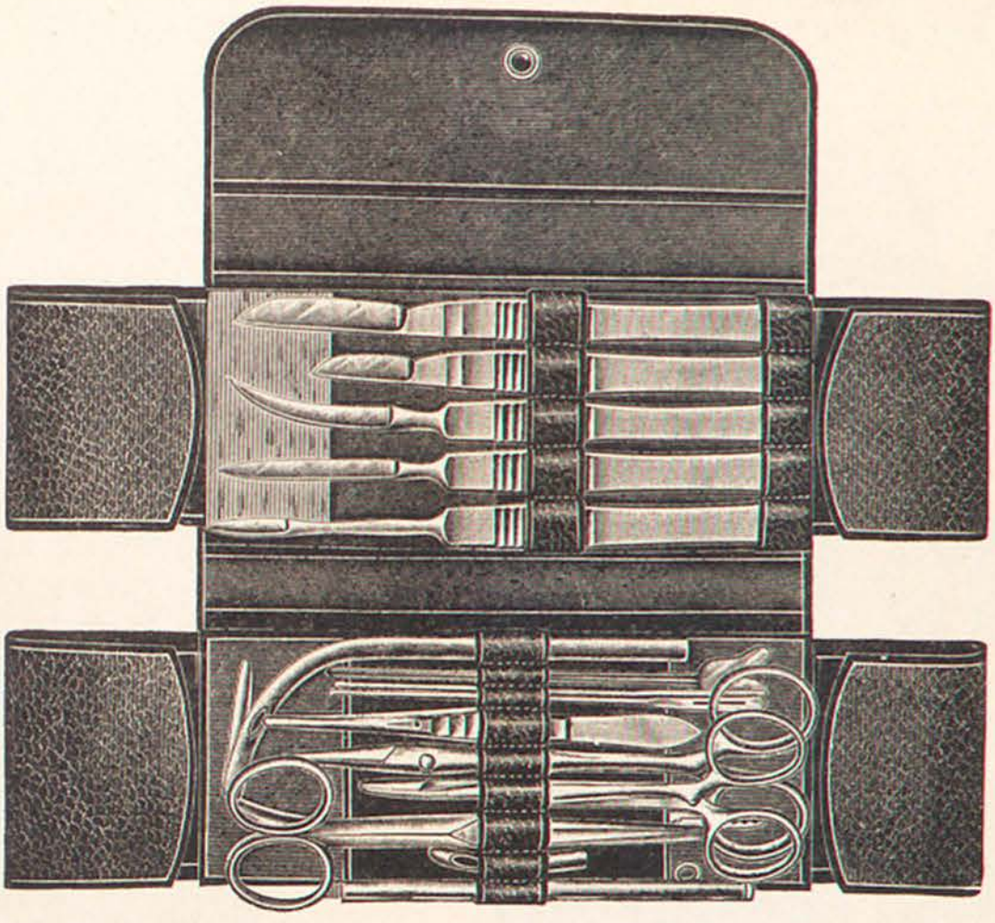


B–2880

B–2880 **Little's Metal Aseptic Case,** with fine concaved handle knives.

*B–2881 **Little's Metal Aseptic Pocket Case,** with plain handle knives.

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, 5⅝ inches long, 1¾ inches wide, ⅞ inch thick, furnished with cloth button pouch for carrying.



B–2885

Pocket Cases and Nurses' Cases

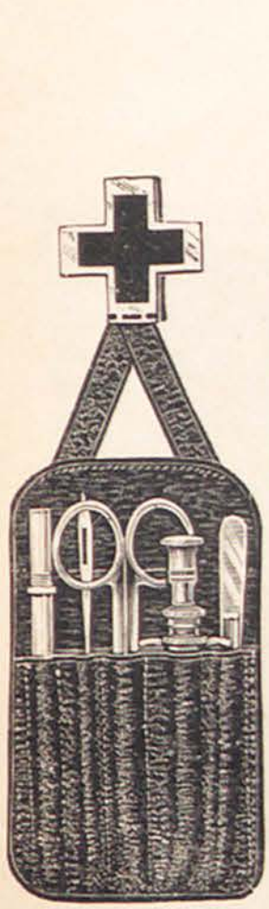
B–2885 **The Jefferson Pocket Case,** contents: 5 operating knives, 1 haemostatic forceps, Kelly's, 1 Mathieu needle holder, 1 haemostatic forceps, Pean's, 1 straight scissors, 5½ inches, 1 male and female combined catheter, 1 spring dressing forceps, 4½ inches, 1 groove director and tongue tie, 1 pair silver probes, 4½ inches, 1 dozen needles, assorted, 1 card twisted silk.

*B–2895 **Nurses' Pocket Case,** 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–2900 **Nurses' Pocket Case,** 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–2905 **Nurses' Pocket Case, 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.

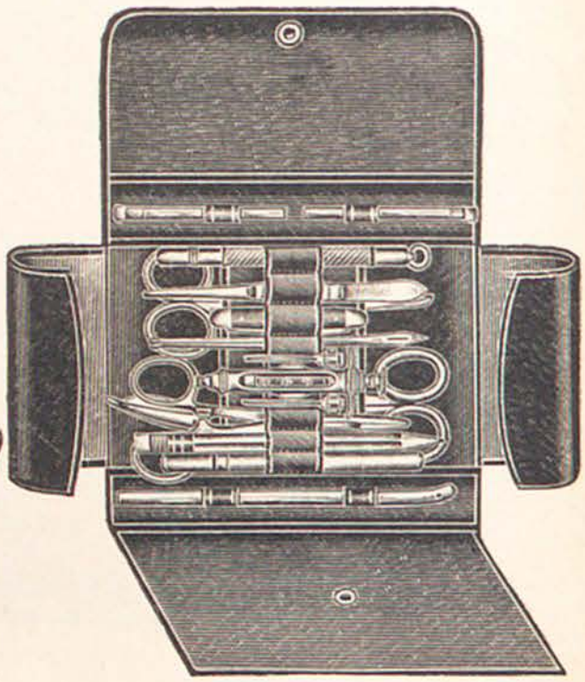
*B–2906 **Nurses' Pocket Case, Bellevue Hospital,** same contents as B–2905, but with plated catheter.



B–2910



B–2915



B–2920

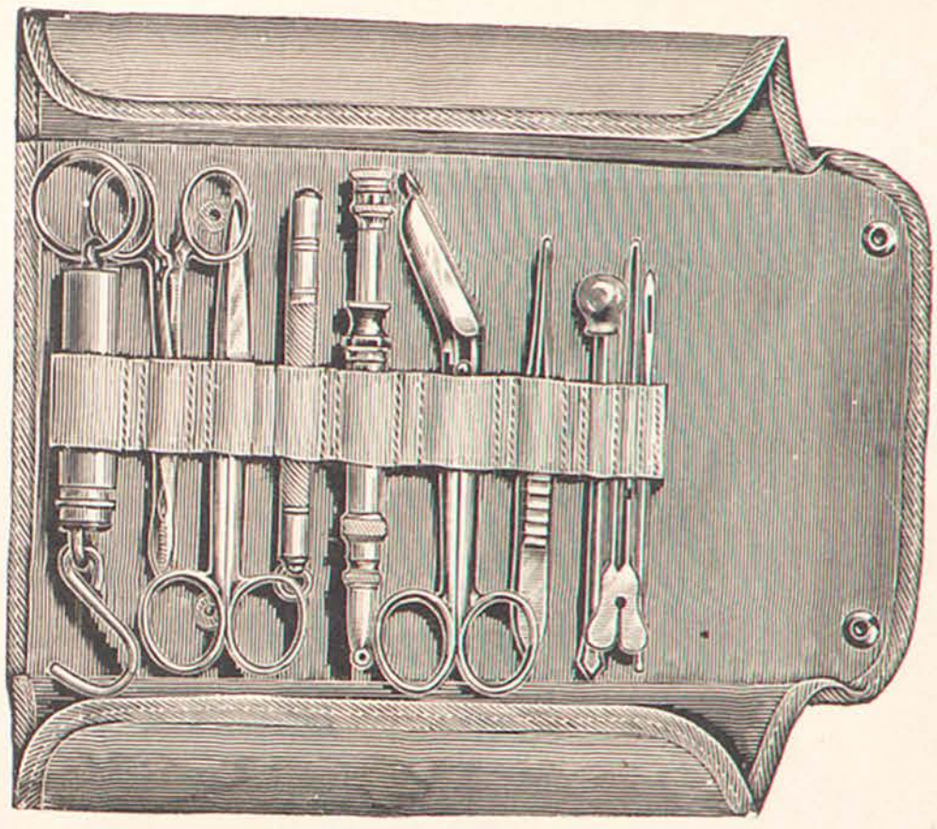
Nurses' Cases

B–2910 **Nurses' Chatelaine Case,** without closing flaps, furnished with red cross or black chatelaine hook, 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–2915 **Nurses' Chatelaine Case,** with closing flaps, furnished with red cross or black chatelaine hook, 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 leather grain.

*B–2916 Nurses' Chatelaine Case, same as B–2915, but in khaki case with red cross hook.

B–2920 **Nurses' Companion, Pocket Case,** 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–2925

Nurses' and Minor and General Operating Cases

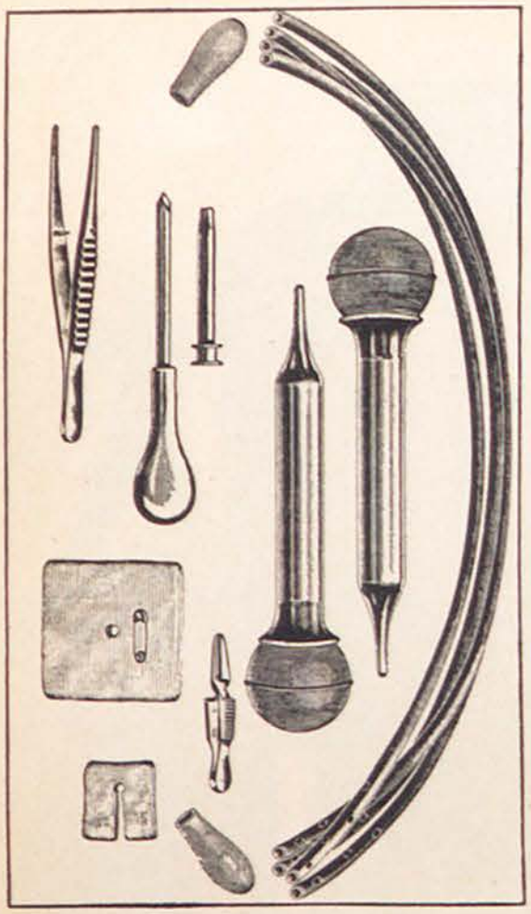
B–2925 **Training School Nurses' Set,** contents: 1 probe, 1 director and tongue tie, 1 combined hypodermic syringe with solid gold needle and a one minute clinical thermometer, 1 dressing forceps, 1 bandage scissors, 1 straight scissors, 1 bath thermometer in plated case, 1 haemostatic forceps, and 1 baby scale, put up in very neat tan canvas of special quality.

*B–2940 **Compact Operating Set,** 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 inches; 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.

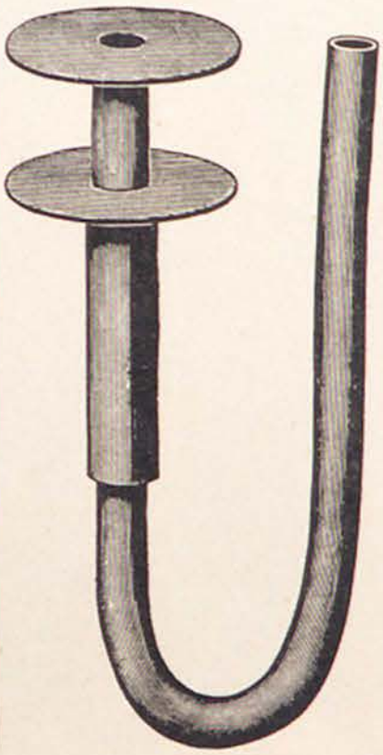
*B–2941 **Compact Operating Set,** same as B–2940, but with Galt's trephine and elevator and raspatory added.

*B–2945 **Compact General Operating Set,** in morocco covered case, 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.

*B–2946 Compact General Operating Set, same as B–2945, but in sole leather case.



B–2960



B–2980



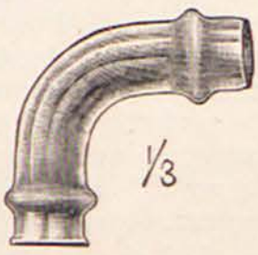
B–2986



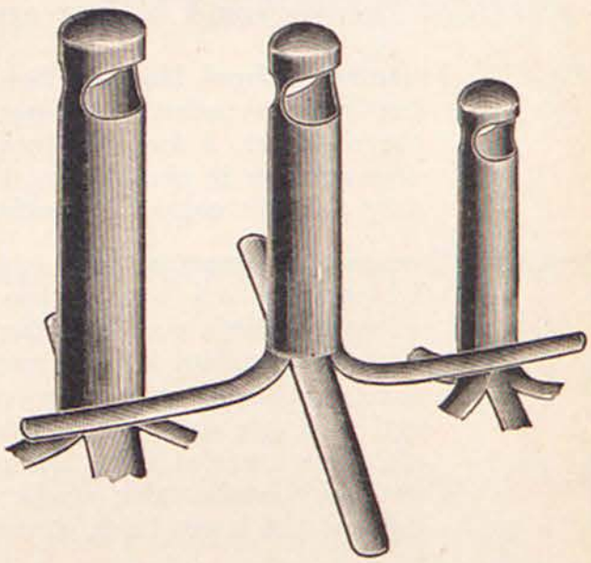
B–2988



B–2995



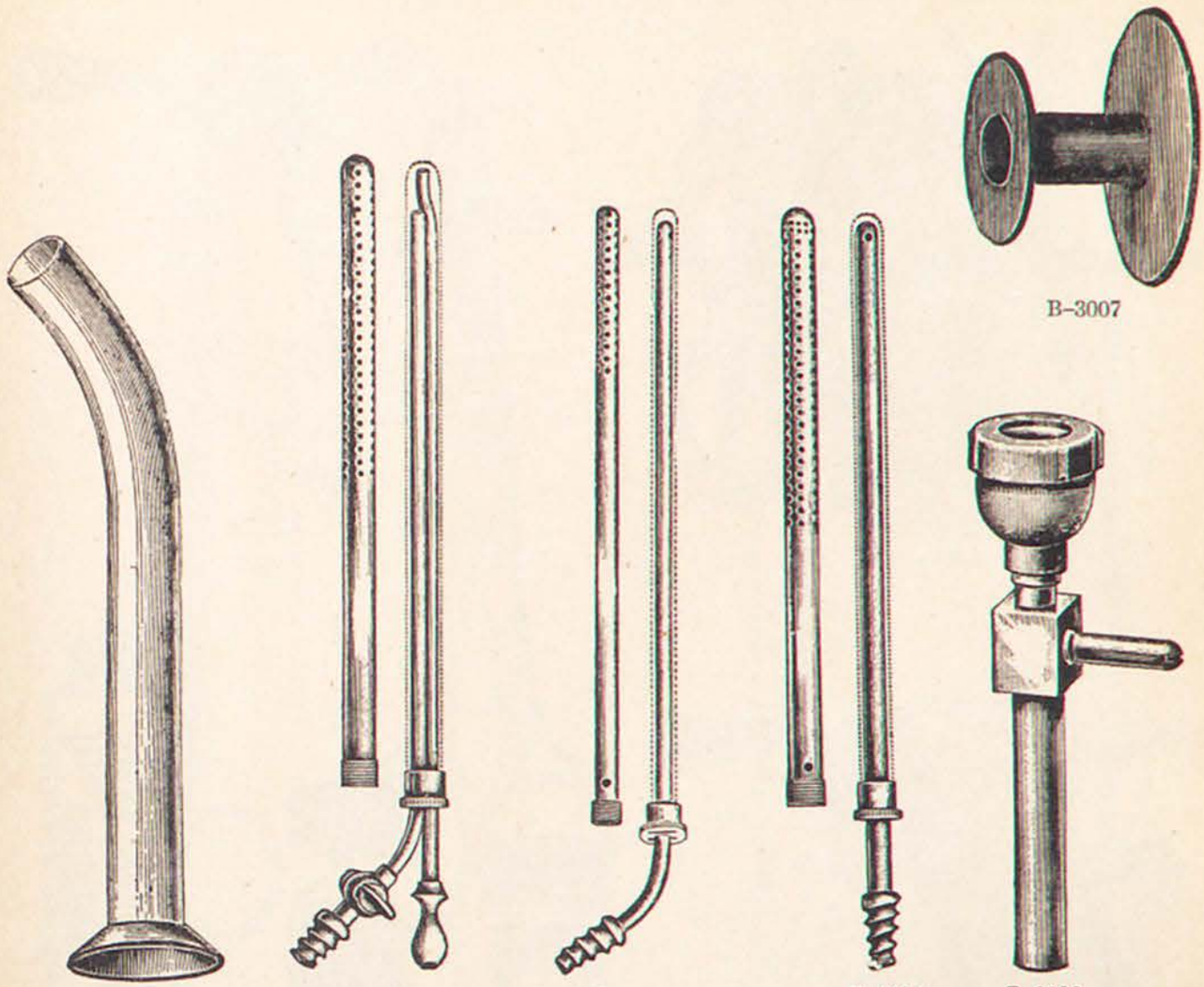
B–2996



B–2982

Drainage Apparatus and Tubes

*B–2955	**Behan's** Empyema Outfit.
B–2960	**Mozingo's** Empyema Apparatus, complete as shown.
*B–2962	**Saugmann's** Pneumo-thorax Apparatus.
*B–2964	**Forlanini's** Pneumo-thorax Needle, with slip connection.
*B–2966	**Robinson-Brauer's** Pneumo-thorax Trocar. See B–2625.
B–2980	**Brewer's,** soft rubber, for empyema, 2 sizes.
B–2982	**Colton's,** metal, plated, 3 sizes.
*B–2984	**Ferguson's,** silver, prostatic.
B–2986	**Kelly's,** soft rubber, for pelvic abscess.
B–2988	**Moynihan's,** glass, abdominal, straight.
B–2989	**Moynihan's,** glass, abdominal, curved, 3 sizes.
B–2995	**Paul's,** glass, for small intestine, 3 sizes.
B–2996	**Paul's,** glass, for large intestine, 3 sizes.



B–3004 B–3010-3011 B–3012 B–3014 B–3007 B–3020

Drainage Tubes

*B–2998 Plain, soft rubber, assorted sizes.

*B–3000 Perforated, soft rubber, assorted sizes.

*B–3002 **Thomas',** glass, straight, plain.

*B–3003 **Thomas',** glass, straight, perforated.

B–3004 **Thomas',** glass, curved, plain.

*B–3005 **Thomas',** glass, curved, perforated.

B–3007 **Wilson's,** soft rubber, for empyema, 3 sizes.

Irrigating and Suction Tubes

B–3010 **Poole's,** Abdominal Irrigator, with stop cock, 9 inches long, 30 French scale.

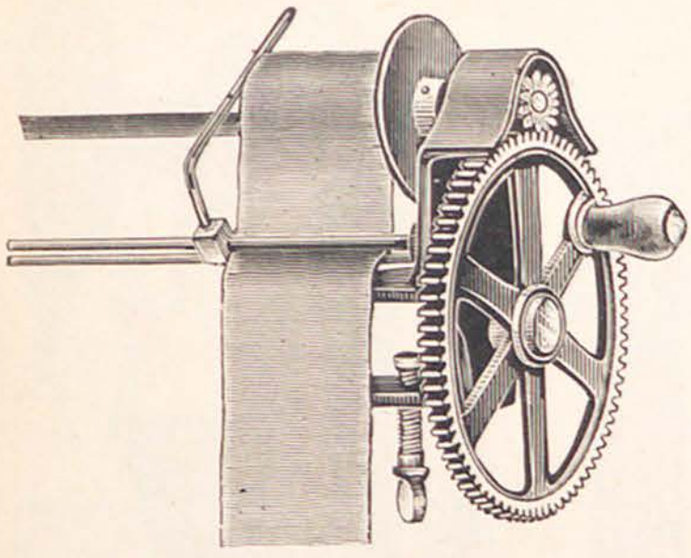
B–3011 **Poole's,** Abdominal Irrigator, with stop cock, 13 inches long, 1 inch in diameter.

B–3012 **Poole's,** Abdominal Suction Tube, 8¾ inches long, 23 French scale.

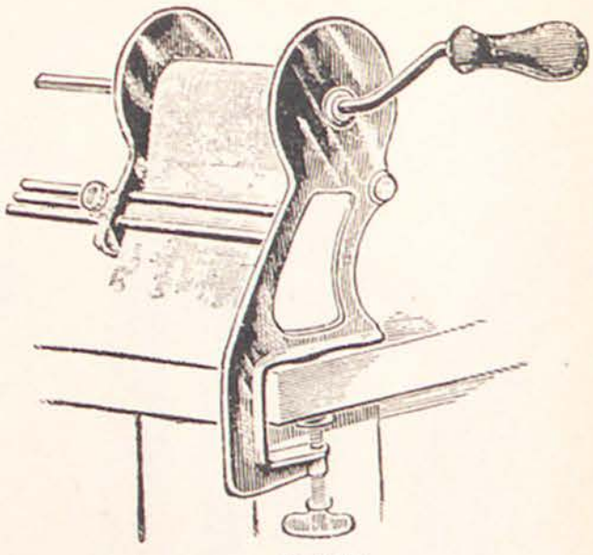
B–3014 **Poole's,** Abdominal Suction Tube, 8¾ inches long, 30 French scale.

*B–3020 **Chapman's** Water Suction Pump, for above, with soft rubber slip connection.

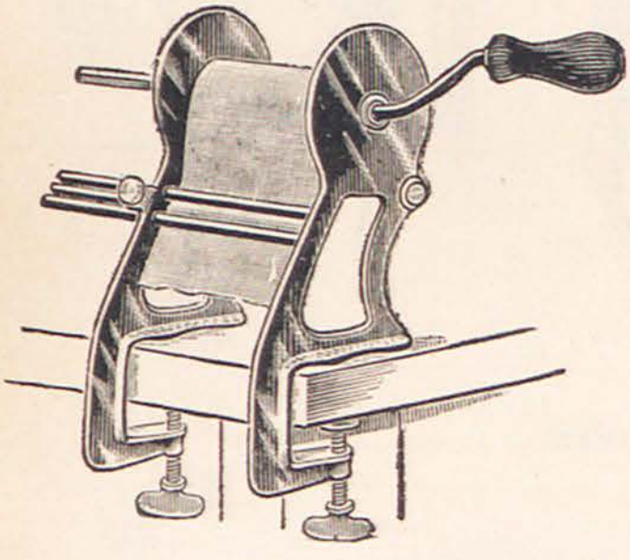
*B–3021 **Chapman's** Water Suction Pump, for above, with metal screw cap connection.



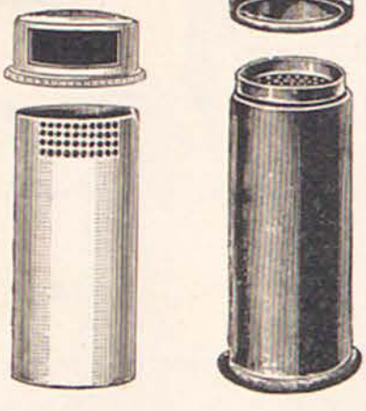
B–3030



B–3032



B–3034



B–3040 B–3050



B–3055

Bandage Rollers

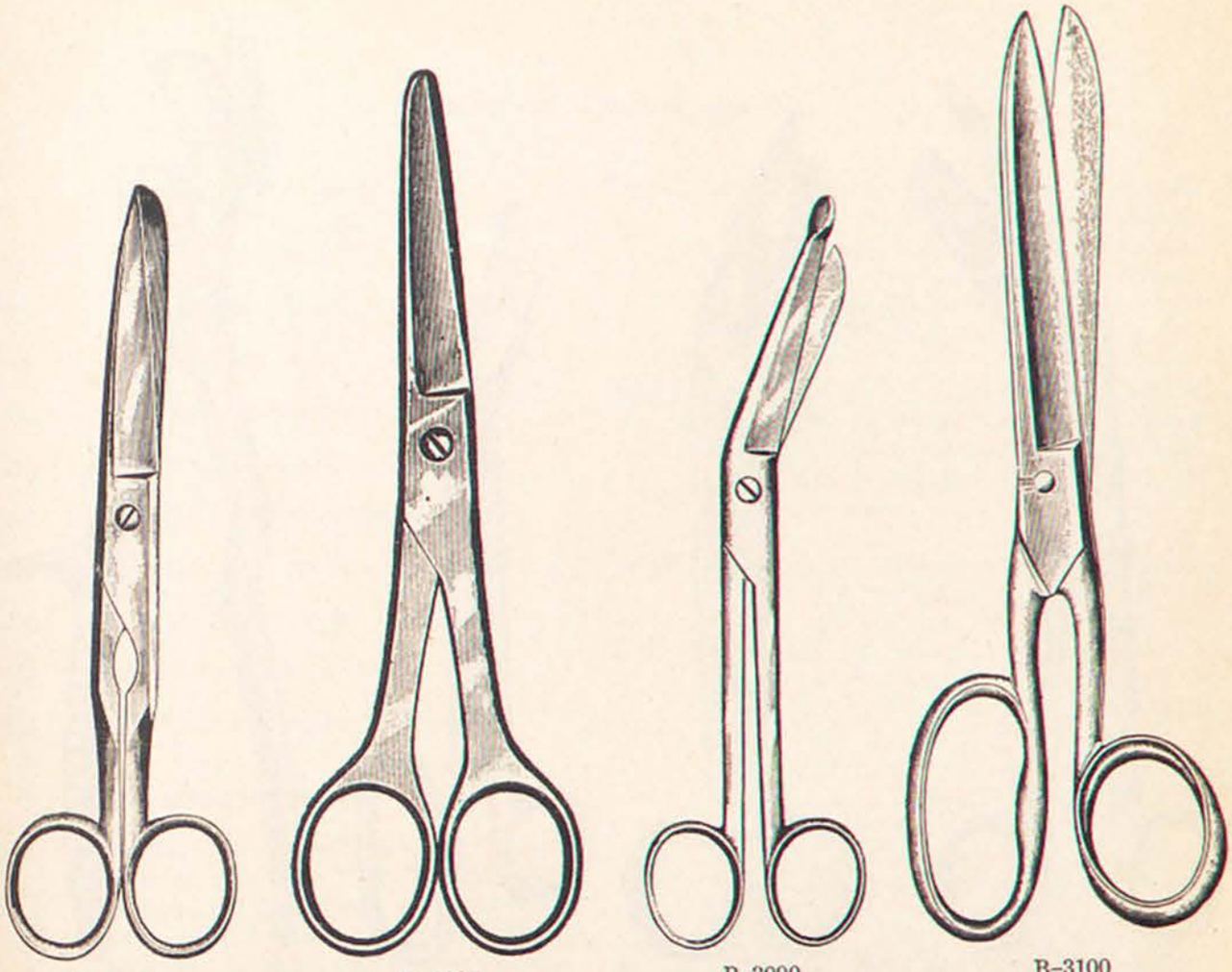
B–3030 **Douglass,** geared, rapid winding.
B–3032 **Jobse's,** nickel-plated, with one table clamp.
B–3034 **Jobse's,** nickel-plated, with two table clamps.

Iodoform Boxes

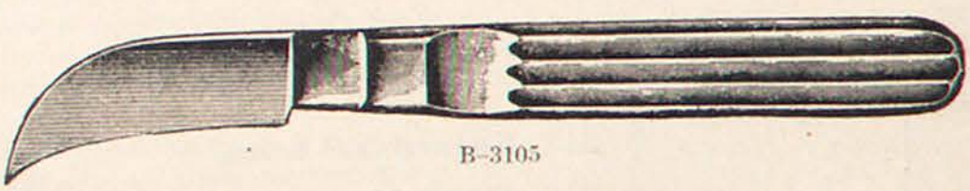
B–3040 **Fowler's,** metal, nickel-plated.
*B–3041 **Fowler's,** metal, nickel-plated, with 3 compartments.
*B–3045 **Green's,** glass, with hard rubber mountings.
B–3050 Hard Rubber, medium.

Sundries

B–3055 **Gosman's** Rust Preventif, in collapsible tube.
*B–3056 **Gosman's** Rust Preventif, small jar.
*B–3057 **Gosman's** Rust Preventif, large jar.
*B–3060 **Halstead's** Silver Foil, for dressing, 24 leaf books.



B–3080 B–3085 B–3090 B–3100



B–3105



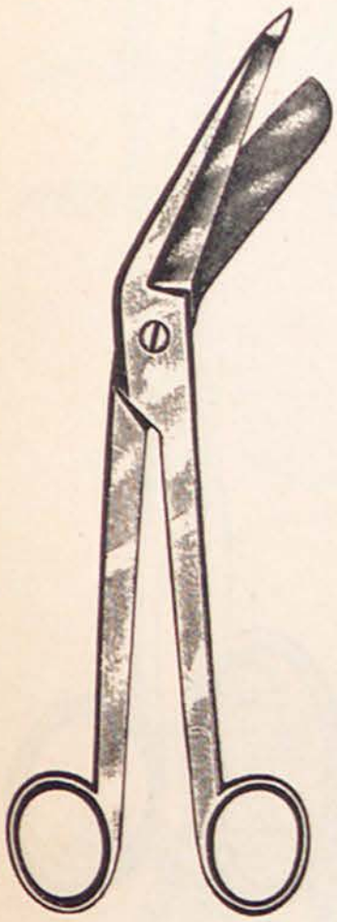
B–3110

Bandage Scissors

B–3080 Gauze, heavy pattern, 6½ inches and 7 inches.
B–3085 Gauze, extra heavy pattern, 6½ inches and 7¾ inches.
B–3090 **Lister's,** 4½ inches, 5½ inches, 7 inches and 8 inches.
*B–3095 **Lister's,** with square shanks, 6 inches and 7 inches.
B–3100 U. S. A. pattern.

Plaster Bandage Knives

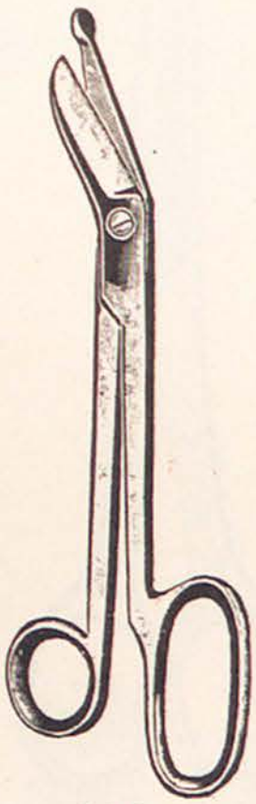
B–3105 Curved blade.
B–3110 **Esmarch's,** with wedge.



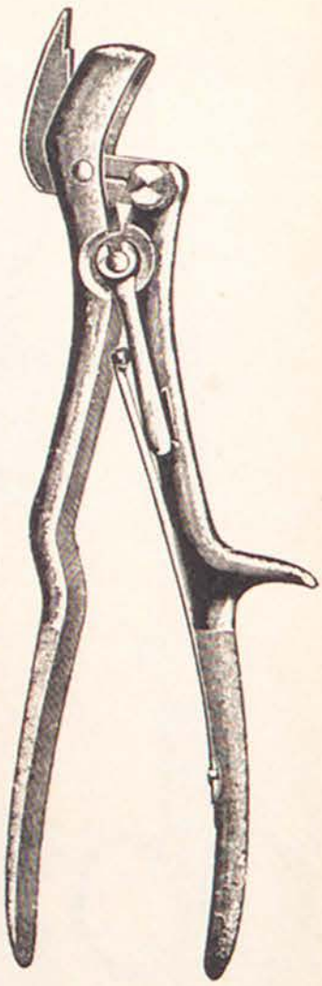
B–3115-3116



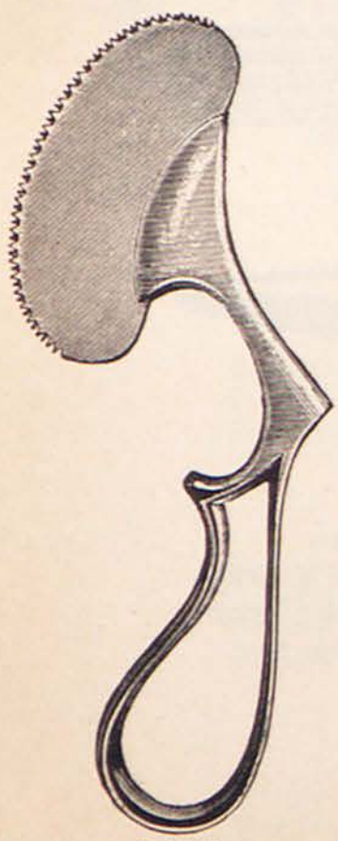
B–3120-3121



B–3125



B–3135



B–3165

Plaster Bandage Shears

B–3115 **Esmarch's,** 8 inches.

B–3116 **Esmarch's,** 9¼ inches.

B–3120 **Esmarch's,** with eccentric joint, 8 inches.

B–3121 **Esmarch's,** with eccentric joint, 9¼ inches.

B–3125 **Esmarch's,** New York Hospital pattern.

*B–3130 **Seutin's.**

*B–3131 **Seutin's,** with eccentric joint.

B–3135 **Stille's,** 9 inches, for one hand.

*B–3140 **Stille's,** 14½ inches, heavy, for two hands.

*B–3145 **Wight's.**

Plaster Bandage Saws

*B–3160 **Bergmann's.**

B–3165 **Engel's.**

Surgical Dressings

Gauze, Sterilized

B-3200 1 yard in carton, plain.

B-3201 5 yards in carton, plain.

B-3202 25 yards in carton, plain.

B-3203 100-yard rolls, **Unsterilized.**

B-3210 1 yard, plain, moist, in glass jar.

B-3211 5 yards, plain, moist, in glass jar.

B-3212 1 yard, sublimated, moist, in glass jar.

B-3213 5 yards, sublimated, moist, in glass jar.

B-3214 1 yard, iodoform, moist, in glass jar.

B-3215 5 yards, iodoform, moist, in glass jar.

Individual Packages

B-3220 **Individual,** No. 1, each carton contains 10 pieces of gauze, 1 x 18 inches, each piece sterilized and individually wrapped, obtainable in plain, borated, carbolated, corrosive sublimate, iodoform and thymol iodide.

B-3225 **Individual,** No. 2, each carton contains 5 pieces of gauze, 2 x 18 inches, each piece sterilized and individually wrapped, obtainable in plain, borated, carbolated, corrosive sublimate, iodoform and thymol iodide.

B-3230 **Individual,** No. 3, each carton contains 2 pieces of gauze 4½ x 36 inches, individually wrapped and sterilized, also put up, 25 pieces in a box, obtainable in plain, borated, carbolated, corrosive sublimate, iodoform, picric acid and thymol iodide.

B-3235 **Individual,** No. 4, each carton contains 1 piece of gauze, 9 x 36 inches, wrapped and sterilized, also put up, 25 pieces in a box, obtainable in plain, borated, carbolated, corrosive sublimate, iodoform, picric acid and Thymol iodide.

B-3240 **Individual,** No. 5, this is a piece of gauze, 18 x 36 inches, individually wrapped and sterilized, 25 pieces in a box, obtainable in plain, borated, carbolated, corrosive sublimate, iodoform, picric acid and thymol iodide.

B-3245 **Individual,** No. 6, this is a piece of **close mesh** gauze, 36 x 36 inches, individually wrapped and sterilized, 25 pieces in a box, obtainable in plain, borated, carbolated, corrosive sublimate, iodoform, picric acid and thymol iodide.

B-3250 **Individuals,** No. 6 Special; this is a piece of **medium mesh plain gauze,** 36 inches wide and 36 inches long (1 square yard), individually wrapped and sterilized, 26 pieces in a box.

B-3255 **Individuals,** Assorted No. 1; a complete assortment of gauze dressings, each individually wrapped and sterilized, containing: 10 pieces Individuals No. 6 (1 yard); 10 pieces Individuals No. 5 (½ yard); 10 pieces Individuals No. 4 (¼ yard); 10 pieces Individuals No. 3 (⅜ yard), 2 cartons Individuals No. 2; each carton contains 5 pieces of gauze 2 inches wide, 18 inches long; 2 cartons Individuals No. 1; each carton contains 10 pieces of gauze, 1 inch wide, 18 inches long.

B-3260 **Umbilical Dressing,** No. 1; a compact and sterile dressing for the umbilical cord, consisting of 2 gauze pads, 4 inches square, one being perforated in the centre to slip over the cord, and the other to complete the dressing; an envelope containing 2 pieces of Umbilical Tape, each ten inches long; a tube of boric acid to make a solution for cleansing the infant's eyes and mouth immediately after birth and afterwards for bathing the nipples and washing the baby's mouth before and after nursing. This Umbilical Dressing is distinguished for its convenience, compactness and safety.

B-3265 **Umbilical Dressing,** No. 2; contains the same articles as the Umbilical Dressing No. 1, with the addition of one tube of Umbilical Cord Powder, composed of acid salicylic and starch, and one ampoule silver nitrate solution, 1 per cent, which is intended for instillation into the eyes of infants to prevent ophthalmia neonatorum; the ampoule is of amber glass and is so shaped that it can be opened at both ends; a rubber nipple is included, making the container a medicine dropper.

Surgical Dressings

B-3270 **Umbilical Tape,** in sealed envelope.
B-3271 **Umbilical Tape,** 20 yards, in bottle.
B-3272 **Umbilical Tape,** in sealed tubes.

Gauze Strips in Glass Tubes, Sealed and Sterilized

B-3275 Plain, aseptic, ½ inch by 6 yards.
B-3276 Plain, aseptic, 1 inch by 3½ yards.
B-3280 Iodoform, ½ inch by 6 yards, 5 per cent.
B-3281 Iodoform, 1 inch by 3½ yards, 5 per cent.
B-3282 Iodoform, in glass jars, 1 inch by 20 yards, 5 per cent.
B-3283 Iodoform, in glass jars, 2 inches by 10 yards, 5 per cent.

Tampons, Wool

B-3290 Large, 1 x 2¾ inches approximately, 12 in a box.
B-3291 Small, ½ x 2⅛ inches approximately, 12 in a box.

Gauze Bandages, Sterilized, Each Wrapped in Sealed Paper

B-3292 1 inch by 10 yards.
B-3293 1½ inches by 10 yards.
B-3294 2 inches by 10 yards.
B-3295 2½ inches by 10 yards.
B-3296 3 inches by 10 yards.
B-3297 3½ inches by 10 yards.
B-3298 4 inches by 10 yards.

Cotton Roller Bandages, Unbleached Muslin, Paper Wrapped

B-3300 1 inch by 5 yards.
B-3301 2 inches by 5 yards.
B-3302 3 inches by 5 yards.
B-3303 4 inches by 5 yards.

Plaster Paris Bandages, Each Bandage in Airtight Metal Container

B-3305 1½ inches by 5 yards.
B-3306 2 inches by 5 yards.
B-3307 2½ inches by 5 yards.
B-3308 3 inches by 5 yards.
B-3309 3½ inches by 5 yards.
B-3310 4 inches by 5 yards.

Adhesive Plaster, Zinc Oxide

B-3320 7 inches by 1 yard, roll.
B-3321 12 inches by 5 yards, roll.
B-3325 ½ inch by 10 yards, on spool.
B-3326 1 inch by 10 yards, on spool.
B-3327 1½ inches by 10 yards, on spool.
B-3328 2 inches by 10 yards, on spool.
B-3329 2½ inches by 10 yards, on spool.
B-3330 3 inches by 10 yards, on spool.
B-3331 3½ inches by 10 yards, on spool.
B-3332 4 inches by 10 yards, on spool.
B-3335 7 inches by 1 yard, roll. **On Moleskin Cloth.**
B-3336 12 inches by 5 yards, roll. **On Moleskin Cloth.**

Absorbent Cotton, Sterilized, Fine Quality, Packed in Cartons

B-3340 1 pound package.
B-3341 8-ounce package.
B-3342 4-ounce package.
B-3343 2-ounce package.
B-3344 1-ounce package.
B-3345 ½ ounce package.

Absorbent Cotton, Unsterilized, Plain Quality, in Paper Rolls

B-3350 1-pound package.

Non-Absorbent Cotton, Sterilized, Packed in Cartons

B-3355 1-pound package.

Miscellaneous Dressings, etc. Lamb's Wool, Sterilized, in Cartons

B-3360 1-pound package.
B-3361 8-ounce package.
B-3362 4-ounce package.
B-3363 1-ounce package.

Surgeons' Aseptic Towels

B-3370 18 x 24 inches, each in carton.

Simpson's Intra Nasal Tampons

B-3375 Large size, 4 dozen in box.
B-3376 Small size, 4 dozen in box.

Redintol Cotton, For Use with Redintol Burn Dressing

B-3380 100 sheets, 9 x 12 inches, in box.
B-3381 1 pound cake, Redintol Burn Dressing.
B-3385 **Lubricating Jelly,** soluble in water, in collapsible tube.
B-3390 **Gutta Percha Tissue,** 1-yard package.
B-3391 **Gutta Percha Tissue,** 1-pound package.

Cellosilk

B-3400 Hospital, heavy, double weight, impervious form, 18 inches by 12 feet.
B-3401 Hospital, single weight, impervious form, 18 inches by 12 feet.
B-3402 Standard, heavy, double weight, impervious form, 9 inches by 12 feet.
B-3403 Standard, single weight, impervious form, 9 inches by 12 feet.
B-3405 Standard Perforated, double weight, 9 inches by 12 feet.

Oiled Silk

B-3410 30 inches by 1 yard, roll.
B-3411 30 inches by 5 yards, roll.

Oiled Muslin

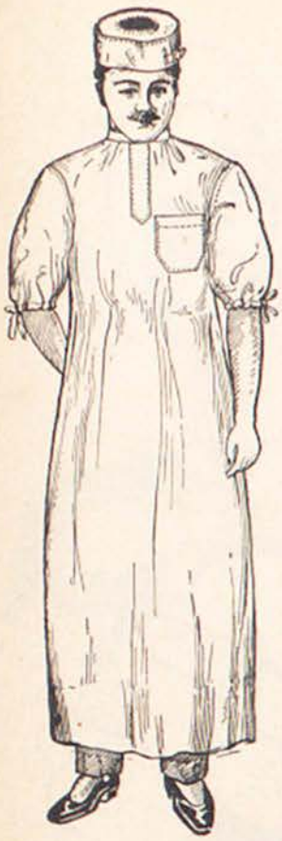
B-3415 36 inches by 1 yard, roll.
B-3416 36 inches by 5 yards, roll.

Oiled Dressing Paper

B-3420 24 inches by 25 yards, roll.

Surgeons' Rubber Gloves

B-3430 Pure Gum, seamless, medium weight, long or short fingers, rough or smooth finish.



B–3501



B–3506



B–3510



B–3520–3526

Surgeons' and Nurses' Gowns

The regular weight gowns are made of fine grade heavy **Linene.**
The lightweight gowns are made of fine grade **Muslin.**
When ordering, specify whether regular weight or lightweight are desired.

Regular stock sizes of Surgeons' Gowns are.
Chest: 38 inches, 40 inches, 42 inches, 44 inches, 46 inches, 48 inches, 48 inches.
Waist: 50 inches, 50 inches, 52 inches, 54 inches, 56 inches, 58 inches, 60 inches.
Special sizes are made to order

*B–3500 Standard Gowns, long sleeves.
B–3501 Standard Gowns, short sleeves.
*B–3505 Yoke Gowns, long sleeves.
B–3506 Yoke Gowns, short sleeves.

Regular stock sizes of Nurses' Gowns are:
Bust: 36 inches, 38 inches, 40 inches, 42 inches, 44 inches, 46 inches, 48 inches.
Length: 48 inches, 50 inches, 50 inches, 52 inches, 54 inches, 56 inches, 58 inches.
Special sizes are made to order

B–3510 Nurses' Gowns, high collar, long or short sleeves.
B–3511 Nurses' Gowns, without collar, long or short sleeves.
B–3512 Nurses' Gowns, with V-neck, long or short sleeves.

Regular stock sizes of Operating or of Office Coats are:
Chest: 36 inches, 37 inches, 38 inches, 40 inches, 42 inches, 44 inches, 46 inches, 48 inches.

Pajama style Operating Trousers are made small, medium and large, with draw-strings to tie at waist and plain bottoms which may be rolled up.

Regular stock sizes of Office Trousers are:
Waist: 30 inches, 31 inches, 31 inches, 32 inches, 33 inches, 33 inches, 33 inches, 34 inches,
Inseam: 30 inches, 31 inches, 32 inches, 32 inches, 32 inches, 33 inches, 35 inches, 36 inches,
Waist: 34 inches, 34 inches.
Inseam: 38 inches, 40 inches.

*B–3515 Operating Coats, high neck, military collar, white Linene.
*B–3516 Operating Trousers, pajama style, white Linene.
*B–3518 Operating Suits, one piece, made in small, medium and large.
B–3520 Office Coats, military style, white Linene.
B–3521 Office Coats, military style, heavy white Duck.
B–3525 Office Trousers, military style, white Linene.
B–3525 Office Trousers, military style, heavy white Duck.



B-3530



B-3535-3542



B-3555



B-3560



B-3561



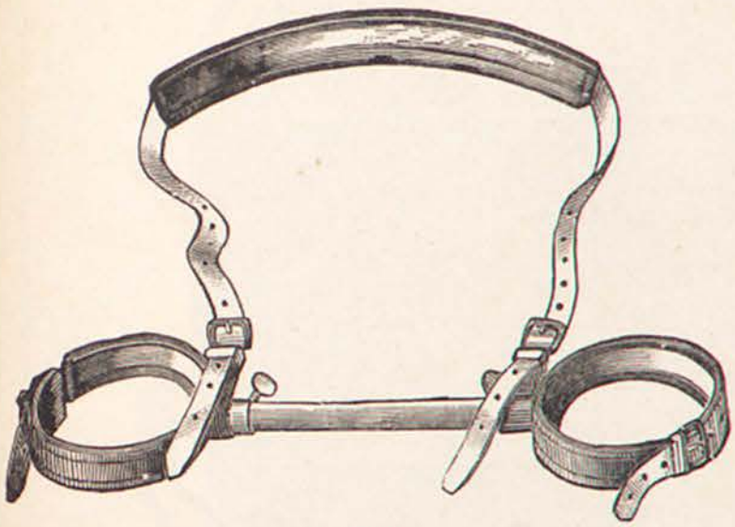
B-3566



B-3565

Contagious Disease Gowns, Operating Aprons and Caps

B-3530 Contagious Disease Gowns, sizes same as operating gowns.
B-3535 Aprons, white twill, short, 46 inches.
B-3536 Aprons, white twill, medium, 50 inches.
B-3537 Aprons, white twill, long, 54 inches.
B-3540 Aprons, rubber, short, 46 inches.
B-3541 Aprons, rubber, medium, 50 inches.
B-3542 Aprons, rubber, long, 54 inches.
*B-3545 Aprons, **Valentines,** rubber, for use by patient.
*B-3550 Aprons, oiled fabric, small
*B-3551 Aprons, oiled fabric, medium.
*B-3552 Aprons, oiled fabric, large.
B-3555 Surgeons' Caps, plain.
*B-3556 Surgeons' Caps, ventilated.
B-3560 **Mayo's** Head Cover, plain.
B-3561 **Mayo's** Head Cover, ventilated.
B-3565 Nurses' Caps, plain.
B-3566 Nurses' Caps, helmet.
*B-3570 Surgeons' Operating Shoes, to cover street shoes, small, medium and large.



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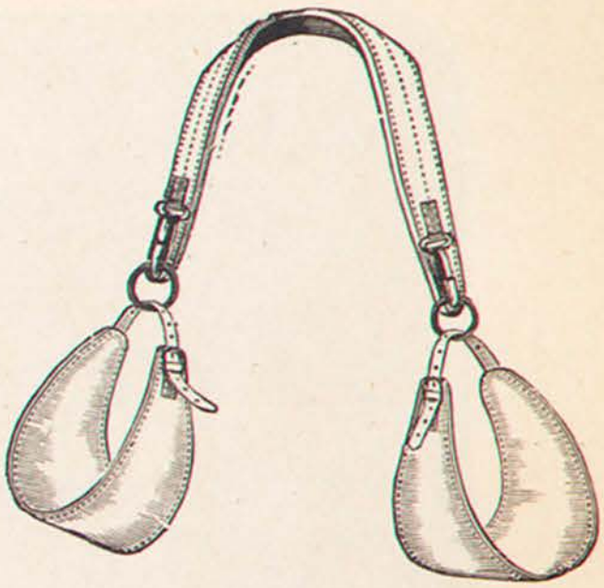
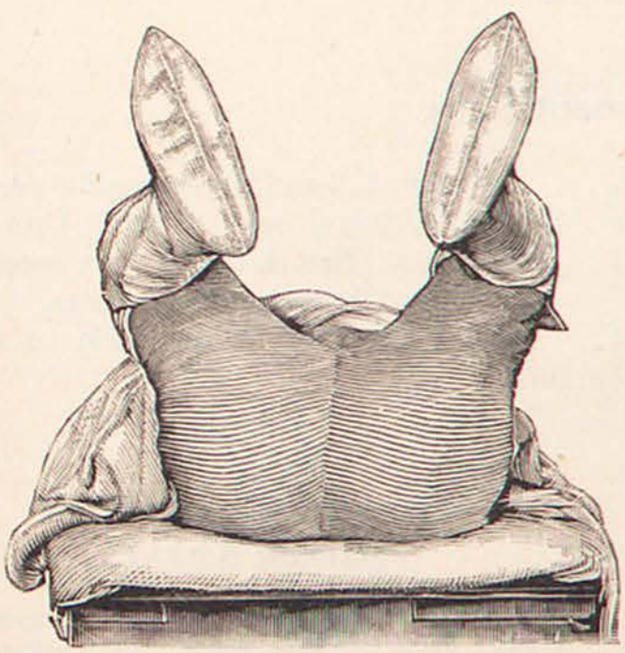


B–3585



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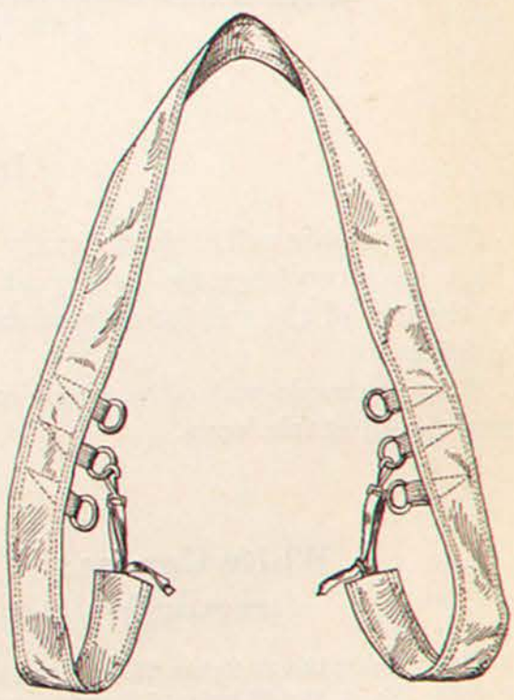


B–3595

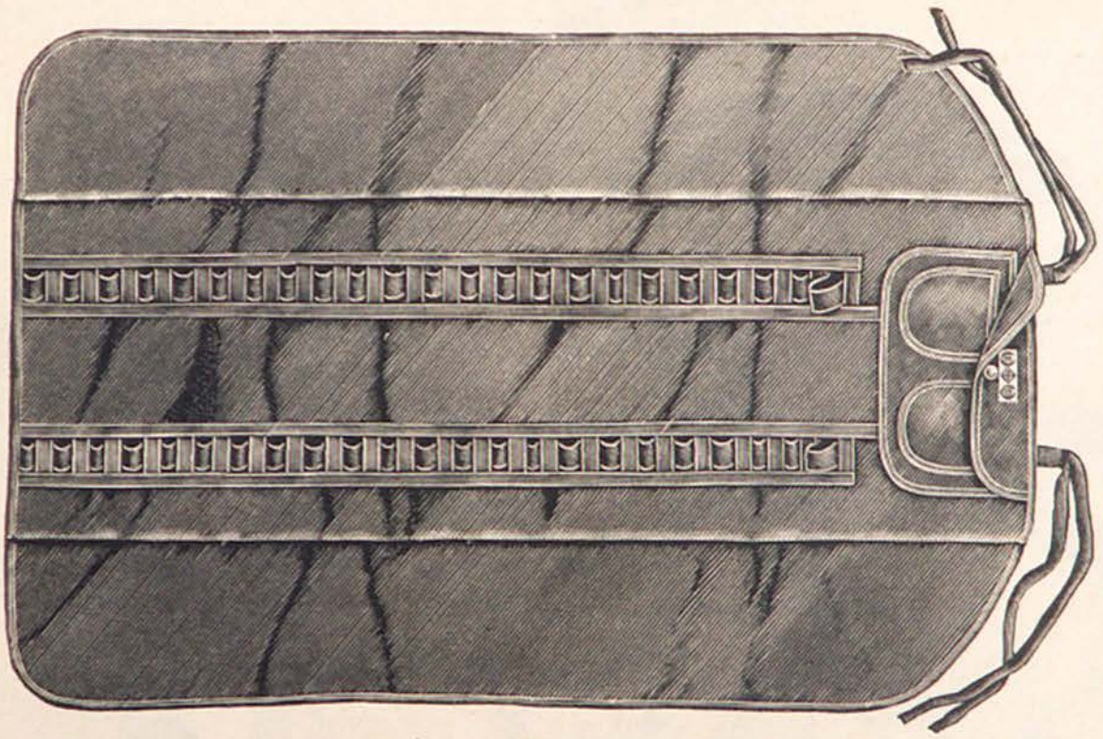
Leg Holders

B–3580 **Clover's** Crutch, lithotomy position, leather covered.

B–3585 **Kelly's,** made of heavy canvas.

B–3590 **Mallet's,** made of heavy canvas.

B–3595 **Robb's,** made of heavy canvas.



B-3600-3635

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 Nos. 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)

B-3600	No. 1, 12 x 23 inches, 13 single row loops.
B-3601	No. 2, 12 x 29 inches, 17 single row loops.
B-3602	No. 3, 12 x 35 inches, 21 single row loops.
B-3603	No. 4, 15 x 23 inches, 13 single row loops.
B-3604	No. 5, 15 x 29 inches, 17 single row loops.
B-3605	No. 6, 15 x 35 inches, 21 single row loops.
B-3606	No. 7, 9½ x 24 inches, 25 single row loops.
B-3607	No. 8, 8 x 12 inches, 13 single row loops.
B-3608	No. 1, 12 x 23 inches, 13 double row loops.
B-3609	No. 2, 12 x 29 inches, 17 double row loops.
B-3610	No. 3, 12 x 35 inches, 21 double row loops.
B-3611	No. 4, 15 x 23 inches, 13 double row loops.
B-3612	No. 5, 15 x 29 inches, 17 double row loops.
B-3613	No. 6, 15 x 35 inches, 21 double row loops.
B-3614	No. 7, 9½ x 24 inches, 25 double row loops.
B-3615	No. 8, 8 x 12 inches, 13 double row loops.
B-3616	No. 13, 14½ x 32 inches, 22 double row loops.

Special Fast Tan High Grade Khaki

B-3620	No. 1, 12 x 23 inches, 13 single row loops.
B-3621	No. 2, 12 x 29 inches, 17 single row loops.
B-3622	No. 3, 12 x 35 inches, 21 single row loops.
B-3623	No. 4, 15 x 23 inches, 13 single row loops.
B-3624	No. 5, 15 x 29 inches, 17 single row loops.
B-3625	No. 6, 15 x 35 inches, 21 single row loops.
B-3626	No. 7, 9½ x 24 inches, 25 single row loops.
B-3627	No. 8, 8 x 12 inches, 13 single row loops.
B-3628	No. 1, 12 x 23 inches, 13 double row loops.
B-3629	No. 2, 12 x 29 inches, 17 double row loops.
B-3630	No. 3, 12 x 35 inches, 21 double row loops.
B-3631	No. 4, 15 x 23 inches, 13 double row loops.
B-3632	No. 5, 15 x 29 inches, 17 double row loops.
B-3633	No. 6, 15 x 35 inches, 21 double row loops.
B-3634	No. 7, 9½ x 24 inches, 25 double row loops.
B-3635	No. 8, 8 x 12 inches, 13 double row loops.

NOTE—In ordering please specify size and material wanted.

Section "C"

Eye Ear Nasal

Dermal Oral

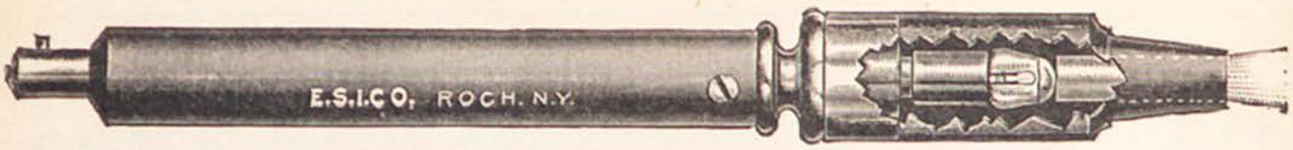
Tonsil

Tracheal Laryngeal

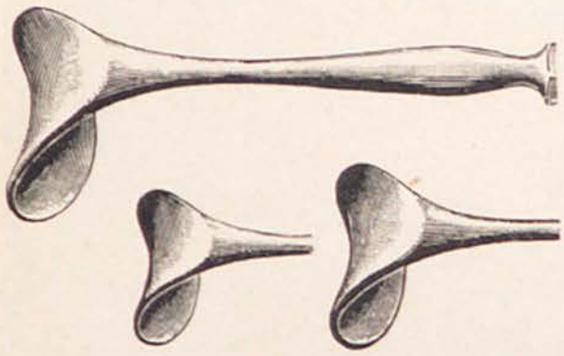
Esophageal

Stomach Intestinal

Gall Bladder



C–10



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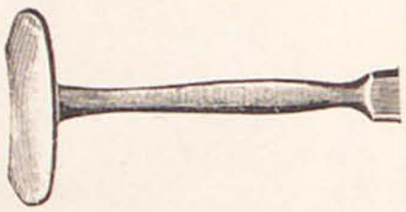

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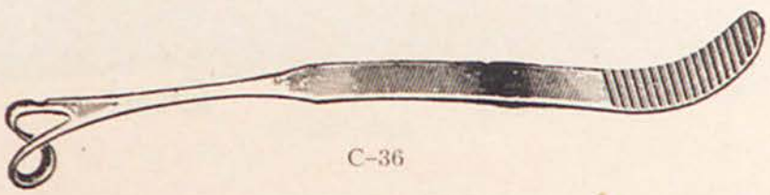

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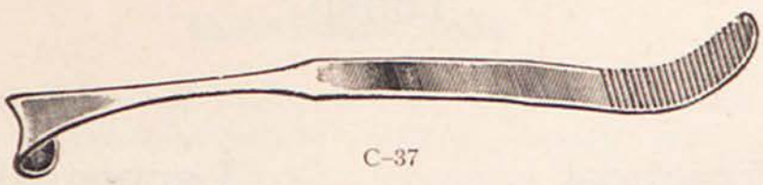

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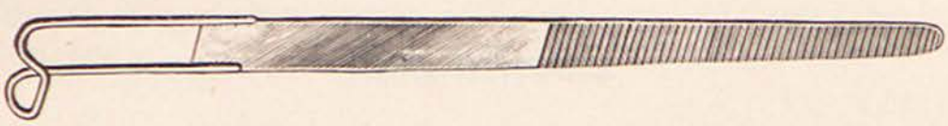


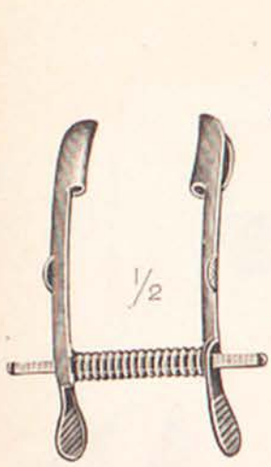
C–38

Condensing Lenses, Illuminators, Ophthalmoscopes and Retinoscopes

*C– 5 Condensing Lens, 2 inches, hard rubber rim, 13 dioptar.
*C– 6 Condensing Lens, double, 13 and 20 dioptar.
*C– 7 Condensing Lens, with metal rim and handle.
*C– 8 **Dr. Berger's** Loupe with metal head band.
*C– 9 **Dr. Berger's** Loupe with webbing head band.
C–10 Ocular Transilluminator, **E.S.I.Co.**
*C–11 Ophthalmoscope, **Loring's,** 19 lens.
*C–12 Ophthalmoscope, **Loring's,** electrical, with mirror, in case.
*C–13 Ophthalmoscope, **Morton's,** electrical, with mirror, on battery handle.
*C–14 Retinoscope Mirror, plain or concave, 1½ inches, regular handle.
*C–15 Retinoscope Mirror, plain or concave, 1½ inches, folding handle.
*C–16 Retinoscope Mirror, **Thorington's,** ¾ inch.
*C–17 Retinoscope Mirror, **Thorington's,** ¾ inch, with folding cover.
*C–18 Retinoscope, electrical, on battery handle, in case.
*C–19 Retinoscope and Ophthalmoscope, electrical, on battery handle, in case.
*C–20 Asbestos Chimney, with iris diaphragm.

Eyelid Retractors

C–30 **Desmarre's,** 4 sizes.
*C–35 **Fisher's,** lid hook, double, latest model.
C–36 **Fisher's,** fenestrated, flexible for shaping.
C–37 **Fisher's,** solid, flexible for shaping.
C–38 **Fisher's,** for lower lid.
C–40 **Ziegler's,** one size.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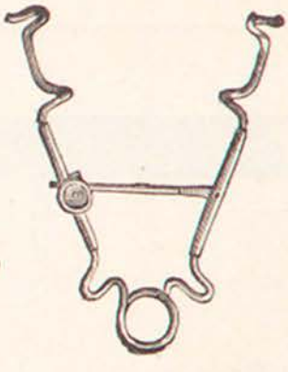
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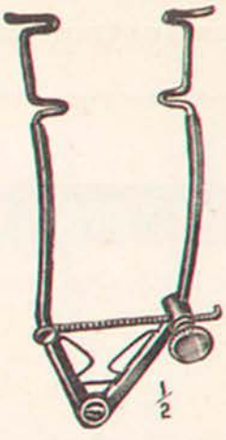
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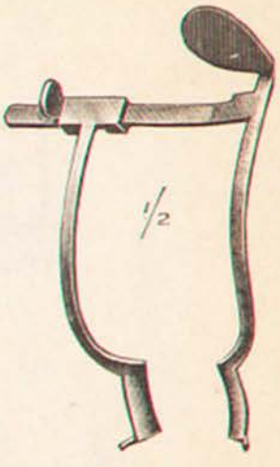
C–75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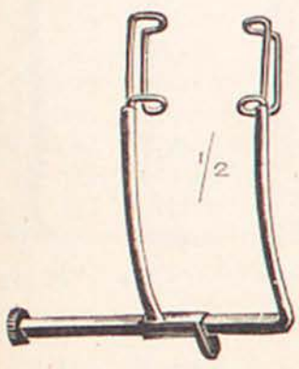
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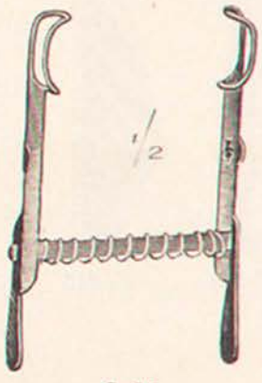
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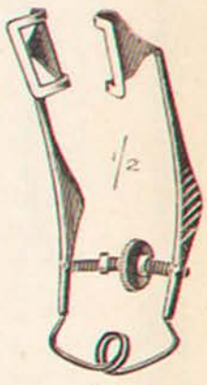
C–110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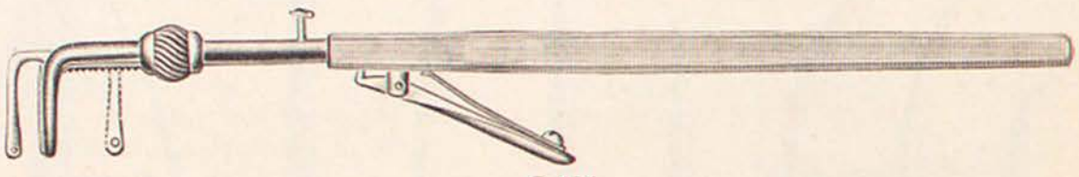

C–135

Eye Specula

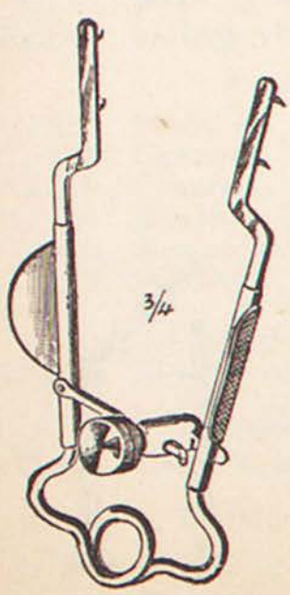
C– 50 **Beard's,** solid blades, non-magnetic.
*C– 55 **Brand's,** with swivel blades.
C– 60 **Critchet's.**
C– 65 **Fox's,** with open or closed blades.
*C– 70 **Graefe's,** plain.
C– 75 **Major Smith's,** nickel-plated or gold-plated.
C– 80 **Monosmith's,** non-magnetic.
C– 85 **Murdoch's,** steel.
*C– 90 **Noyes',** improved, with screw.
C– 95 **Pana's.**
*C–100 Plain, wire.
*C–105 **Weber's,** for either eye.
C–110 **Weeks'.**
C–115 **Ziegler's,** latest pattern.

Lachrymal Sac Retractors and Tendon Tuckers

C–130 **Mueller's** Lachrymal Sac Retractor.
C–135 **Clark-Bruns** Tendon Tucker.
C–140 **Todd's** Tendon Tucker.

Lid Plates and Strabismometer

*C–145 **Jaeger's** Lid Plate, hard rubber.
*C–146 **Jaeger's** Lid Plate, ivory.
*C–150 **Lawrence's** Strabismometer.

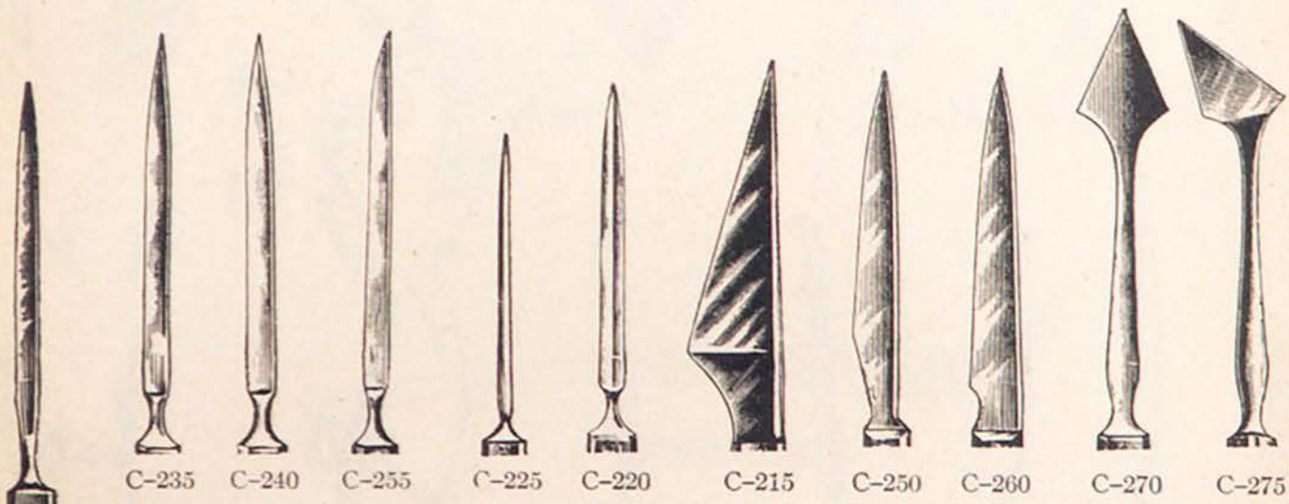

C–130


C–140

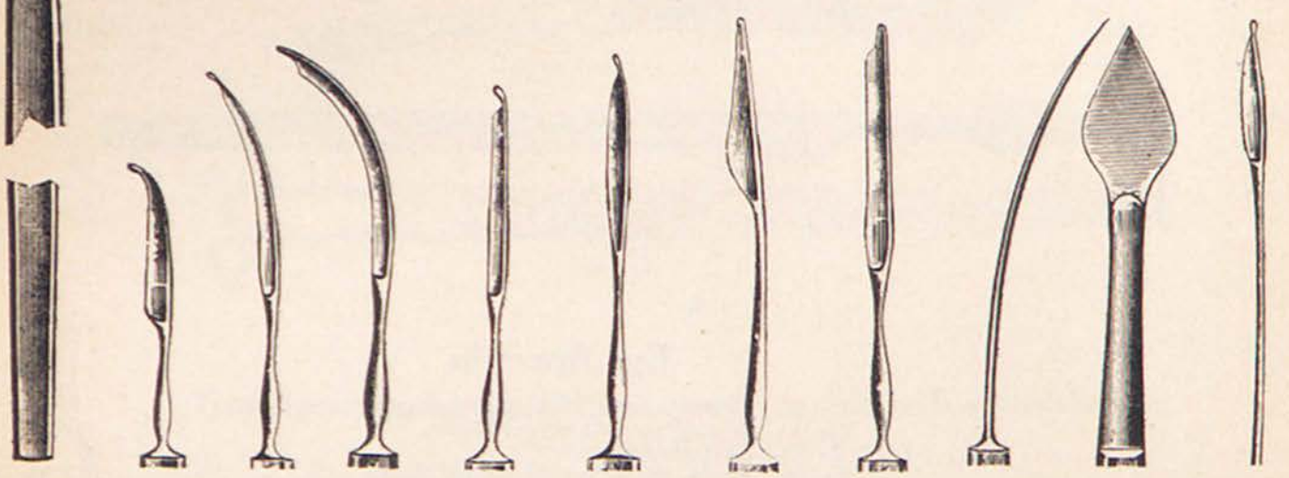
Eye Instruments



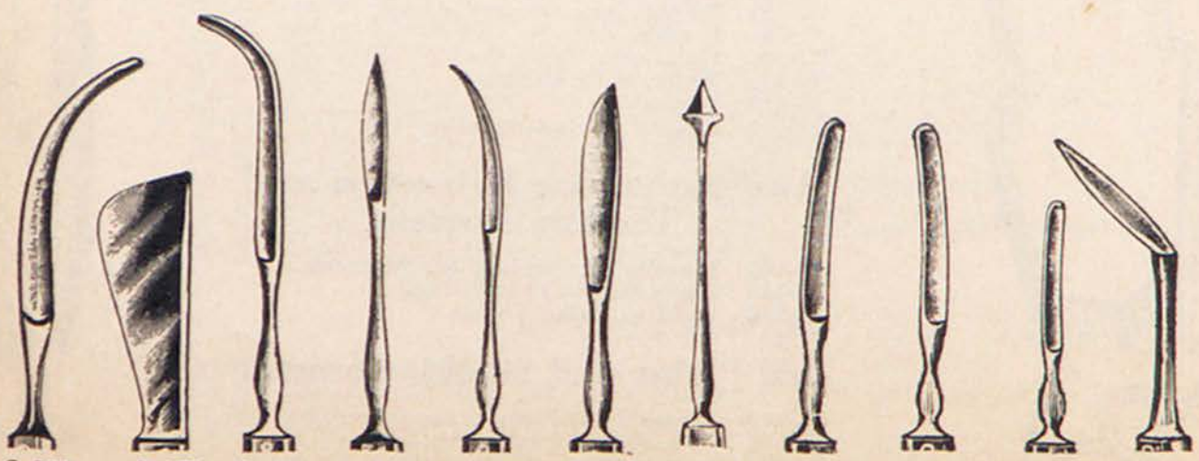
Box for Holding Eye Instruments



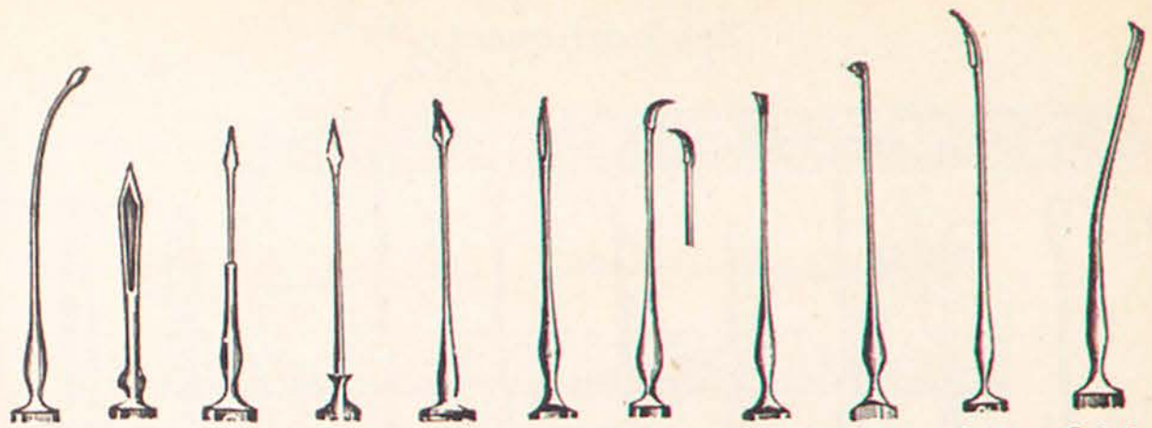
C-235 C-240 C-255 C-225 C-220 C-215 C-250 C-260 C-270 C-275



C-230 C-180 C-170 C-210 C-195 C-200 C-185 C-175 C-280 C-160



C-325 C-370 C-320 C-380 C-165 C-375 C-470 C-410 C-415 B-425 C-330



C–525 C–440 C–450 C–435 C–430 C–455 C–350 C–315 C–290 C–355 C–310

Eye Instruments

Canalicula Knives

C–160 **Agnew's.**
C–165 **Bowman's,** sharp.
C–170 **Bowman's,** probe point.
C–175 **Noyes'.**
C–180 **Noyes'-Stilling's.**
C–185 **Schmidt-Rimpler's.**
*C–190 **Thomas'.**
C–195 **Weber's,** straight.
C–200 **Weber's,** straight English pattern.
*C–205 **Weber's,** half curved.
C–210 **Weber's,** full curved.

Cataract Knives

C–215 **Beer's,** 3 sizes.
C–220 **Deutschmann's.**
C–225 **Graefe's,** delicate.
C–230 **Graefe's,** small.
C–235 **Graefe's,** medium.
C–240 **Graefe's,** large.
C–245 **Green's,** for Indian operation.
C–250 **Jackson's.**
C–255 **Knapp's.**
C–260 **Monoyer's.**
*C–265 **Schweigger's.**

Keratomes

C–270 **Jaeger's,** straight, 3 sizes.
C–275 **Jaeger's,** angular, 3 sizes.
C–280 **Landolt's,** curved.
*C–285 **Lichtenberg's,** angular, probe.

Cystotomes

C–290 **Beard's.**
*C–295 **Graefe's.**
*C–300 **Graefe's,** right.
*C–305 **Graefe's,** left.
C–310 **Knapp's.**
C–315 **Wilder's.**

Enucleation Knives

C–320 **Monosmith's.**

Excentration Knives

C–325 **Beard's,** knife spatula.

Iridectomy Knives

C–330 **Agnew's.**
*C–335 **Critchet's.**

Iris Knives

*C–340 **Adams'.**
*C–345 Double-edged.
C–350 **Graefe's.**
C–355 **Hayes'.**
*C–360 **Sichel's.**
*C–365 Single-edge, with stop.

Lid Knives

C–370 **Beard's.**

Scalpels

C–375 Bellied, 3 sizes.
C–380 Center point, 3 sizes.

Scarifiers

*C–385 **Desmarre's.**
*C–390 **Graefe's.**

Scleratomes

*C–395 **DeWecker's.**
*C–400 **Galezowski's.**

Secondary Knives

*C–405 **Blake's,** straight.
C–410 Concaved edge.
C–415 Convexed edge.
*C–420 **Galezowski's.**
C–425 Straight edge.

Cataract Needles

C–430 Curved.
C–435 Straight.
C–440 **Walton's,** grooved.

Iris Needles

*C–445 **Beer's,** straight.
C–450 **Bowman's,** with stop.
C–455 **Knapp's** Knife Needle.
*C–460 **Knapp's** Knife Needle, with stop.
*C–465 **Zirn's.**

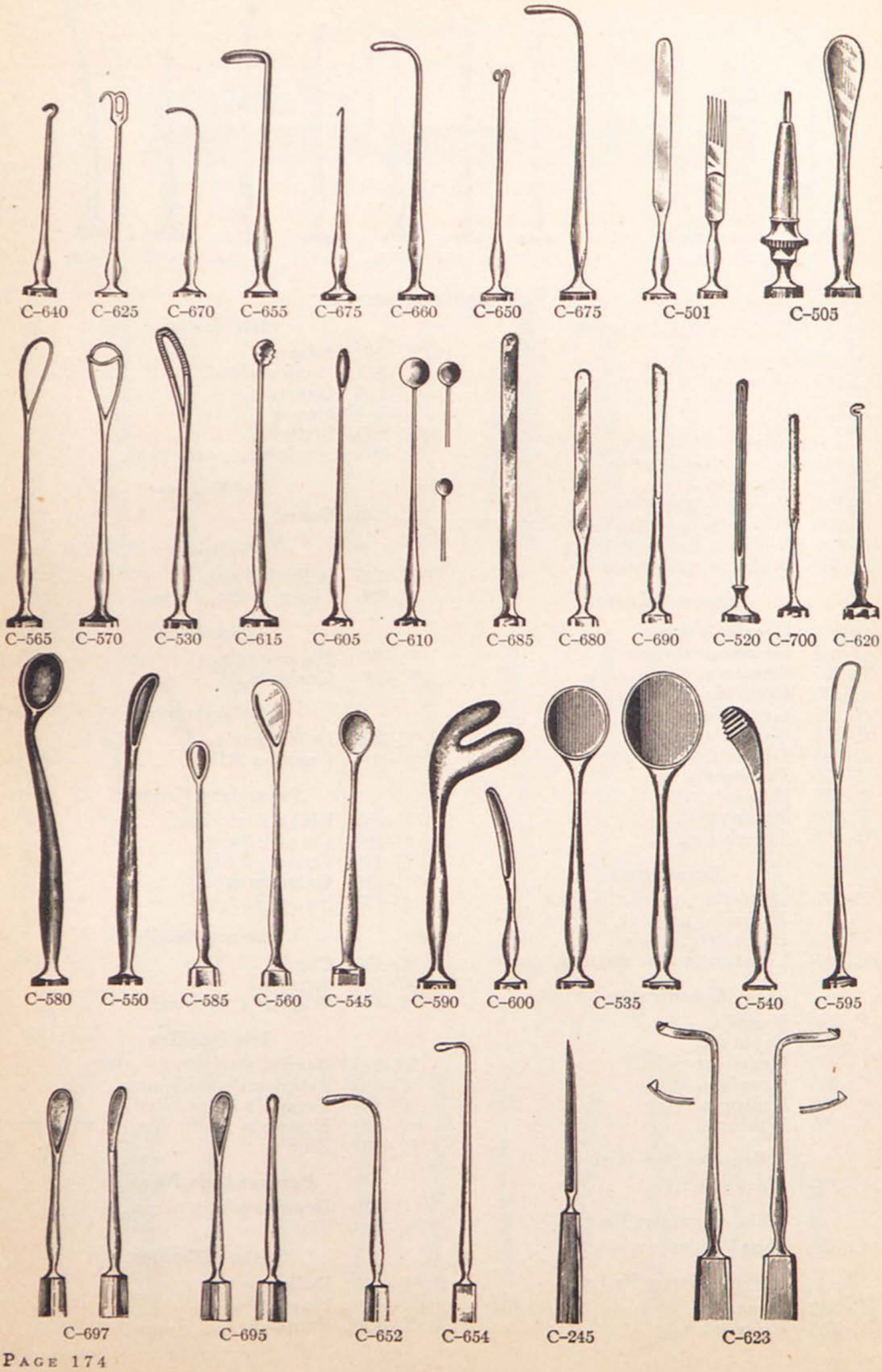
Paracentesis Needles

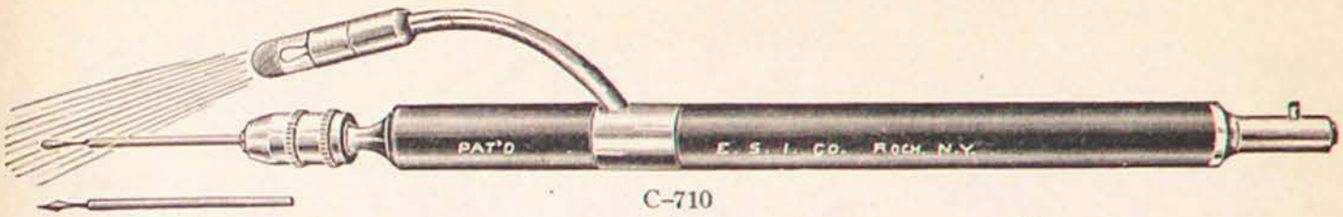
C–470 **Desmarre's,** straight.
*C–475 Plain.

Suture Needles

*C–480 **Delaroza's.**
*C–485 **Himley's.**
*C–490 **Prince's.**

Eye Instruments





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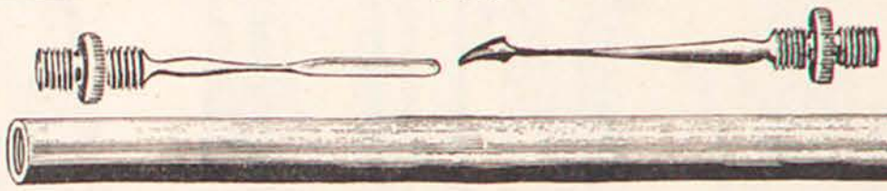
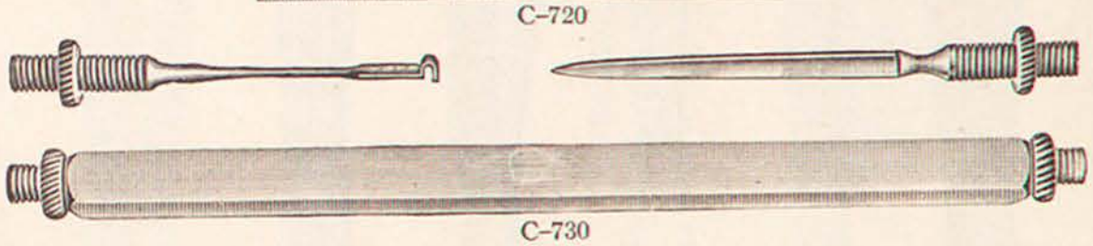


C–715



C–720



C–730

Eye Instruments

Tattooing Needles

*C–495 **Agnew's.**
*C–500 **Baeder's.**
C–501 **Baeder's,** with spatula.
C–505 **DeWecker's,** with spatula.

Gouges

*C–510 **Kuhnt's.**
*C–515 **Todd's,** triangular point.
C–520 **Walton's.**

Probes

*C–525 **DeWecker's.**

Scoops

C–530 **Arlt's,** fenestrated.
C–535 **Bunge's,** excentration.
C–540 **Critchett's,** serrated.
C–545 **Daviel's.**
C–550 **Graefe's,** hard rubber.
*C–555 **Graefe's,** shell.
C–560 **Knapp's,** silver.
C–565 **Lewis',** fenestrated.
C–570 **Prince's,** fenestrated cataract retractor.
*C–575 **Schmidt-Rimpler's.**
C–580 Shell, lens, curved.
C–585 **Waldau's,** silver.
C–590 **Well's,** enucleation.
C–595 **Wilder's,** fenestrated.

Curettes

C–600 **Daviel's,** chalazion.
C–605 **Hebra's,** chalazion.
C–610 **Meyerhoeffer's,** chalazion.
C–615 **Skeel's,** chalazion.
C–620 **Wheeler's,** corneal.

Hooks

*C–622 Corelysis, **Fox's,** double.
C–623 Cystotome, **Fox's,** double.
C–625 Fixation, **Guthrie's.**
*C–630 Foreign body, **Graefe's.**
*C–635 Iris, angular.
C–640 Iris, **Tyrell's,** blunt.
*C–645 Iris, **Tyrell's,** sharp.
C–650 Lens, **Graefe's,** retractor.
C–652 Lid Retractor, **Smith-Green's.**
C–654 Pressure, **Smith-Green's.**
C–655 Pterygium, **Prince's.**
C–660 Strabismus, **Graefe's,** 3 sizes.
*C–665 Strabismus, sharp.
C–670 Tendon, **Stevens'.**
C–675 Traction, **Stevens'.**

Spatulas

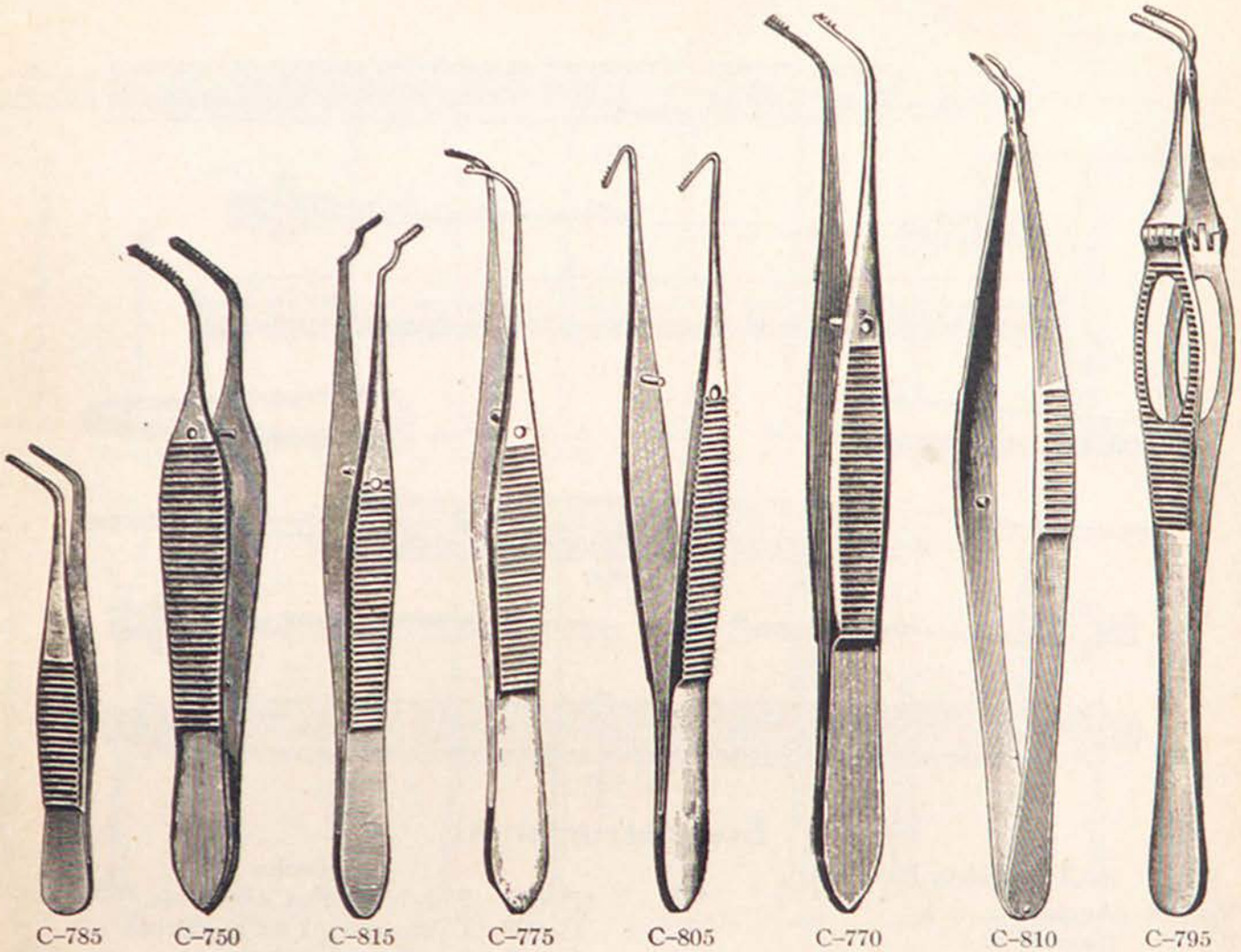
C–680 Flexible, silver.
C–685 Flexible, shell.
*C–687 **Fox's,** Corelysis, double.
C–690 **Daviel's,** silver.
C–695 **Green's,** with pressure probe.
C–697 **Smith-Green's,** double.

Spuds

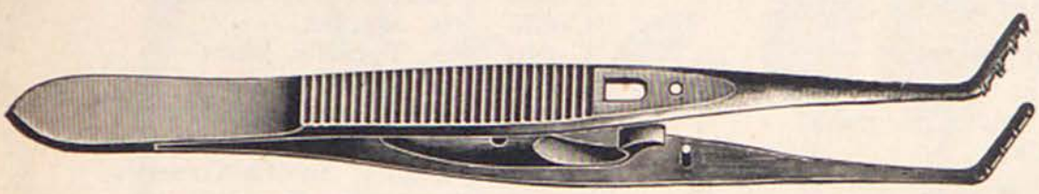
C–700 **Dix's.**
C–705 **Wheeler's,** same as C–620.
C–710 Illuminated Spud and Needle **E.S.I.Co.**

Double Eye Instruments

C–715 **Dix's** Spud and Needle, reversible.
C–720 **Dix's** Spud and Needle, in round handle, with caps.
*C–725 **Graefe's** Knife and **Dix's** Spud reversible.
C–730 **Graefe's** Knife and **Wheeler's** Corneal Spud, reversible.



C–785 C–750 C–815 C–775 C–805 C–770 C–810 C–795



C–760



C–765

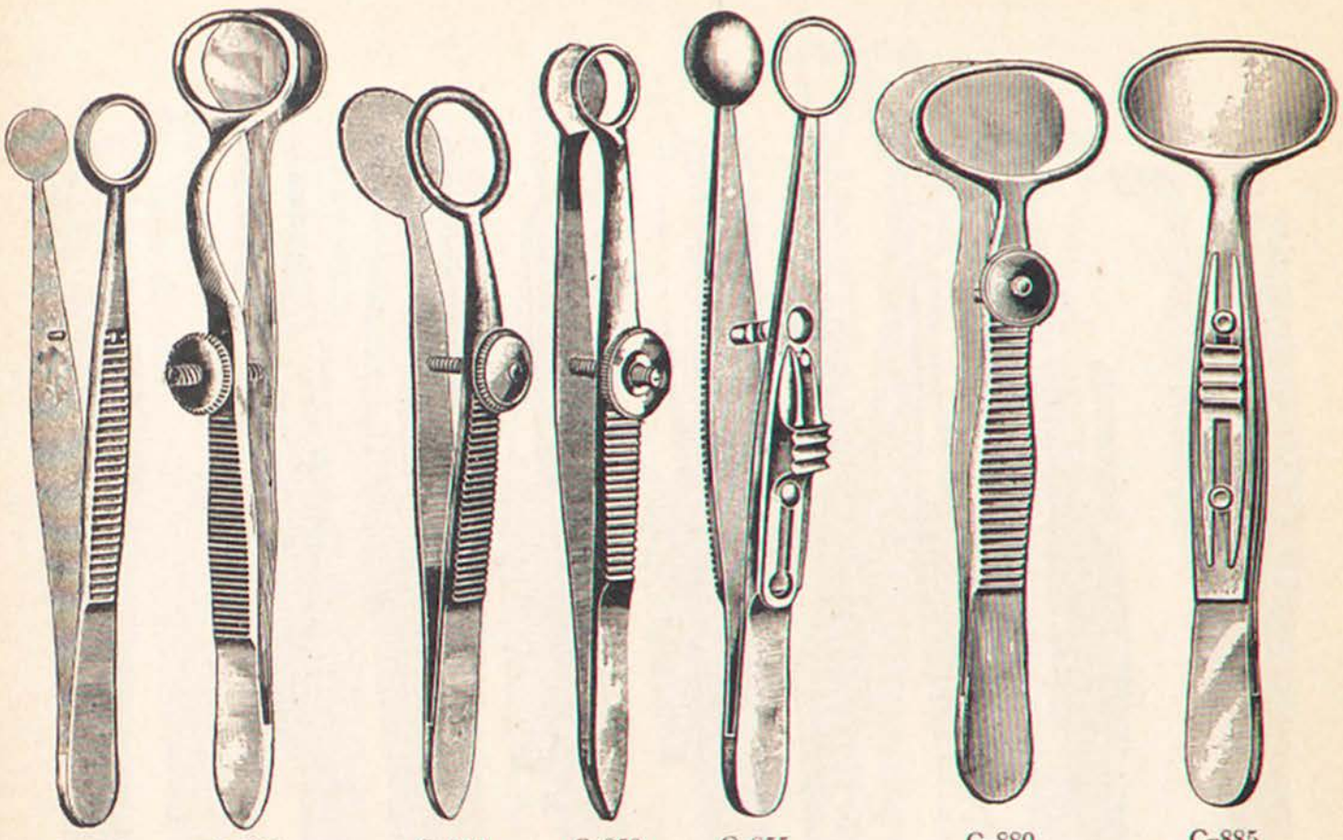
Eye Forceps

Advancement

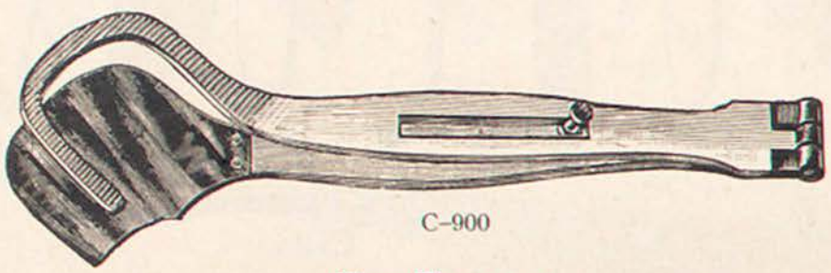
C–750 **Fisher's.**
*C–755 **Hotz's,** slide catch.
C–760 **Prince's.**
C–765 **Reese's.**

Capsular

C–770 **Fisher's.**
C–775 **Foerster's.**
*C–780 **Francis',** 4 and 4 teeth.
C–785 **Fuch's,** Vienna pattern.
*C–790 **Knapp's,** original pattern.
C–795 **Knapp's,** improved pattern.
*C–800 **Mathieu's,** for use in Indian operation.
C–805 **Schweigger's.**
C–810 **Smith's.**
C–815 **Terson's.**



C–830 C–835 C–840 C–850 C–855 C–880 C–885



C–900

Eye Forceps

Chalazion

C–830 **Ayer's.**
C–835 **Francis'.**
C–840 **Hunt's.**
C–845 **Lambert's.**
C–855 **Spencer's,** slide catch.
*C–860 **Starkey's.**
*C–865 **Wilder's,** clamp.

Entropium

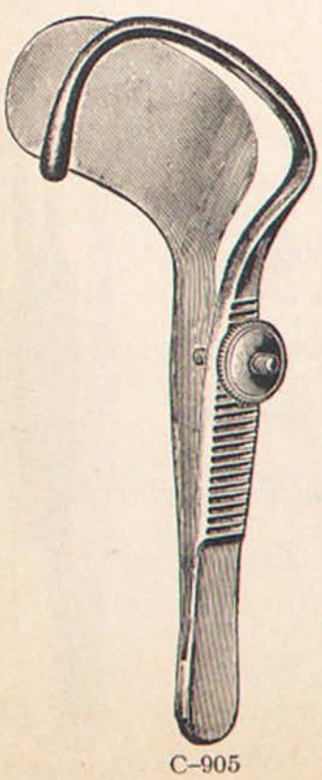
*C–870 Cross Bar.
*C–875 **Denis'.**
C–880 **Desmarre's.**
C–885 **Desmarre's,** slide catch.
*C–890 **Knapp's,** right and left.
*C–895 **Noyes',** right and left.
C–900 **Prout's,** reversible, for right or left.
C–905 **Snellen's,** right and left.
*C–910 **Wilder's.**
C–915 **Ziegler's.**

Enucleation

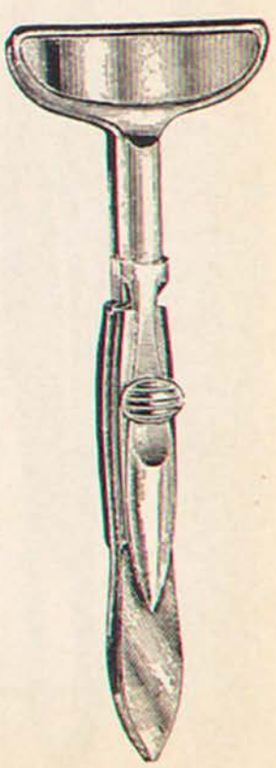
*C–920 **Blitz's.**
*C–925 Vulsellum, straight.

Lid

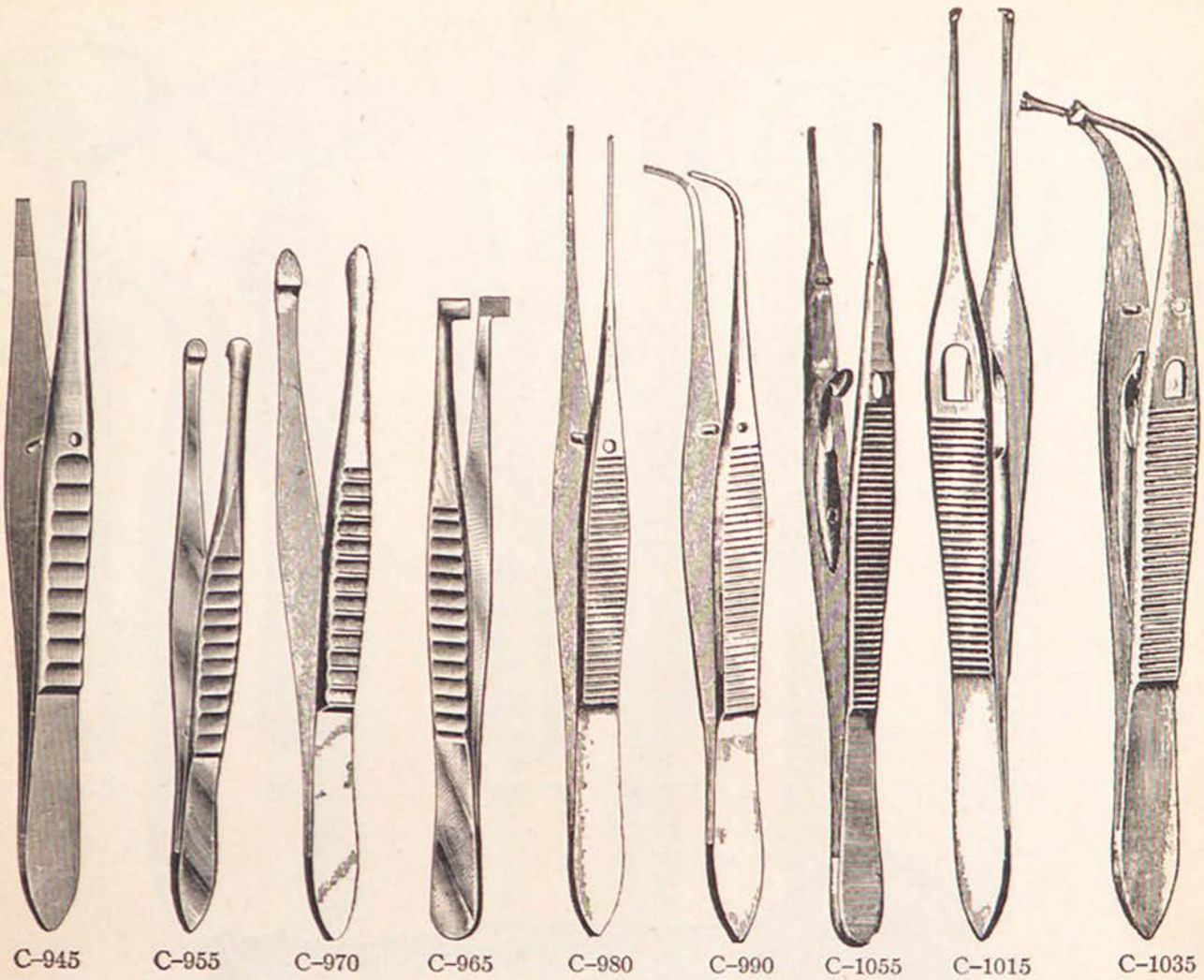
*C–930 Beard's.
*C–935 Fisher's.
*C–940 Kuhnt's.



C–905



C–915



C–945 C–955 C–970 C–965 C–980 C–990 C–1055 C–1015 C–1035

Eye Forceps

Cilia

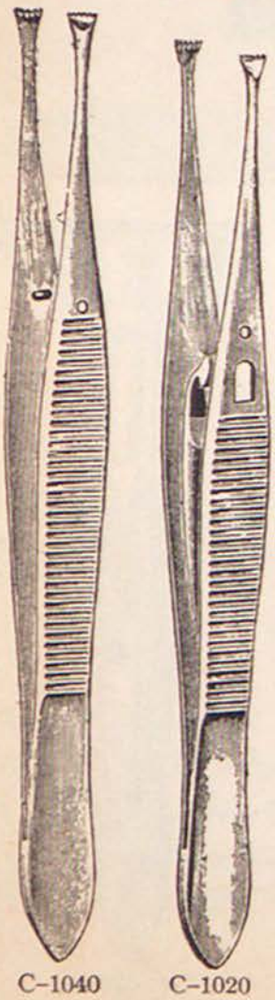
C–945 **Douglass'.**
*C–950 Fine, broad points.
C–955 Fine, narrow points.
*C–960 **Henry's.**
C–965 **Piffard's.**
C–970 **Ziegler's.**

Dressing

C–980 Straight, serrated points.
*C–985 Curved, serrated points
C–990 Full curved, serrated points.
*C–995 Non-magnetic, for use with eye magnet.

Fixation

*C–1000 **Barr's.**
*C–1005 **Dudley's.**
*C–1010 **Ewing's.**
C–1015 **Gifford's.**
C–1020 **Graefe's.**
*C–1025 **Greene's,** for Indian operation, 1 and 2 teeth, 2 and 3 teeth.
*C–1027 **Fox's.**
C–1030 **Harmon's,** 3 inches long.
C–1035 **Noyes',** curved, spring catch.
C–1040 Plain, straight.
*C–1045 Plain, curved.
*C–1050 **Schweigger's.**
C–1055 **Stevens'.**



C–1040 C–1020



C–1030



C–1090



C–1060



C–1065



C–1135



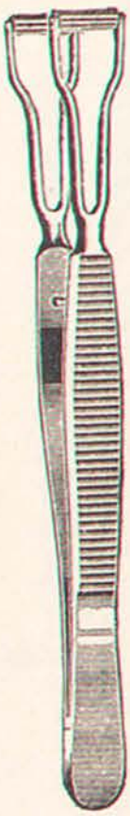
C–1105



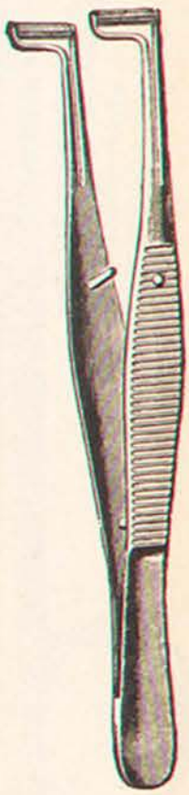
C–1110



C–1145



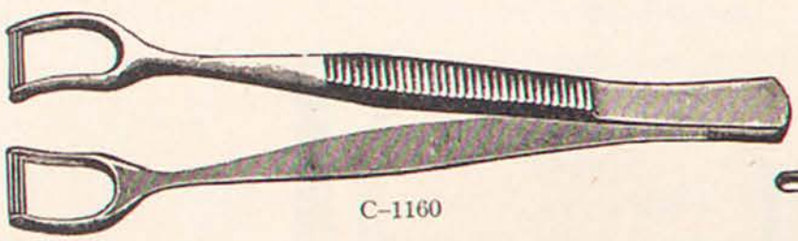
C–1155



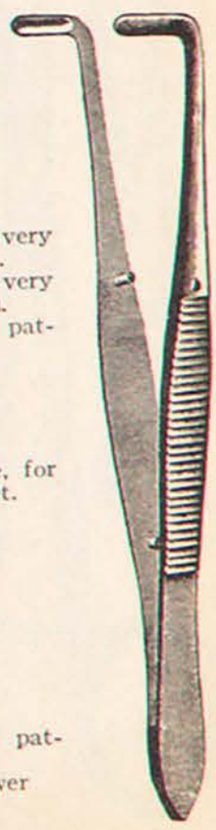
C–1175



C–1095



C–1160



C–1165



C–1170

Eye Forceps

Iris

C–1060 Straight, fine, mouse tooth points.
C–1065 Curved, fine, mouse tooth points.
*C–1070 Full curved, fine, mouse tooth points.
*C–1075 **Collin's,** curved.
*C–1080 **Fisher's.**
*C–1085 **Graefe's,** angular.
C–1090 **Graefe's,** straight, very delicate, 2½ inches.
C–1095 **Graefe's,** curved, very delicate, 2½ inches.
*C–1100 **Liebrich's** improved pattern.

Strabismus

C–1105 Straight.
C–1110 Curved.
*C–1115 Full curved.
*C–1120 **Landolt's.**
*C–1125 Non-magnetic, tissue, for use with eye magnet.

Suture

*C–1130 **Mule's.**

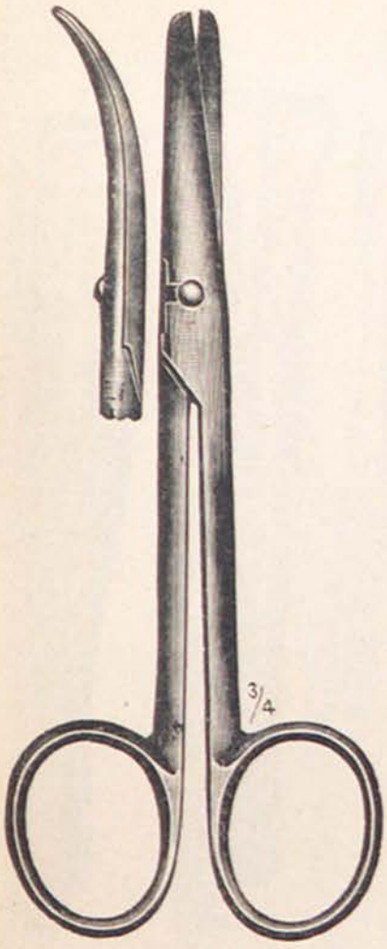
Tendon

C–1135 **Stevens',** curved.
*C–1140 **Stevens',** straight.

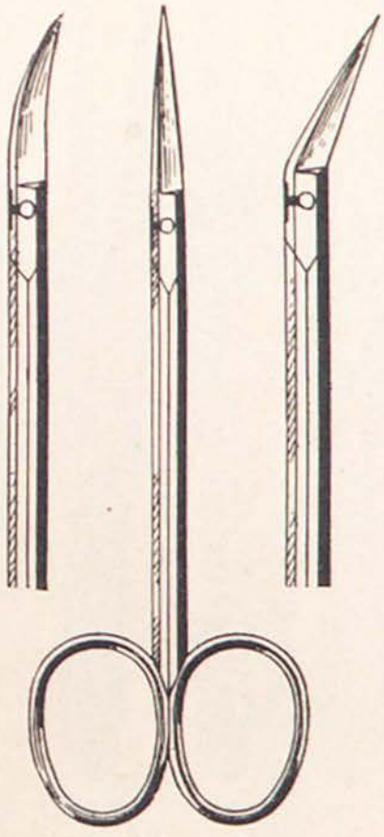
Trachoma

C–1145 **Falta's,** with 3 rollers, 2 perforated and 1 plain.
*C–1150 **Falta's,** probe for cleaning rollers.
C–1155 **Knapp's,** original pattern.
C–1160 **Knapp's,** improved pattern.
C–1165 **Noyes',** upper or lower
C–1170 **Prince's.**
C–1175 **Rust's,** angular.

Eye Scissors



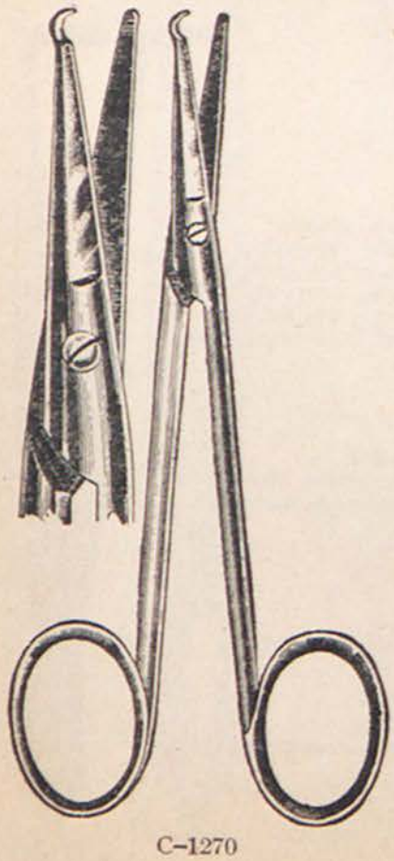
C–1200



C–1212 C–1210 C–1215



C–1220



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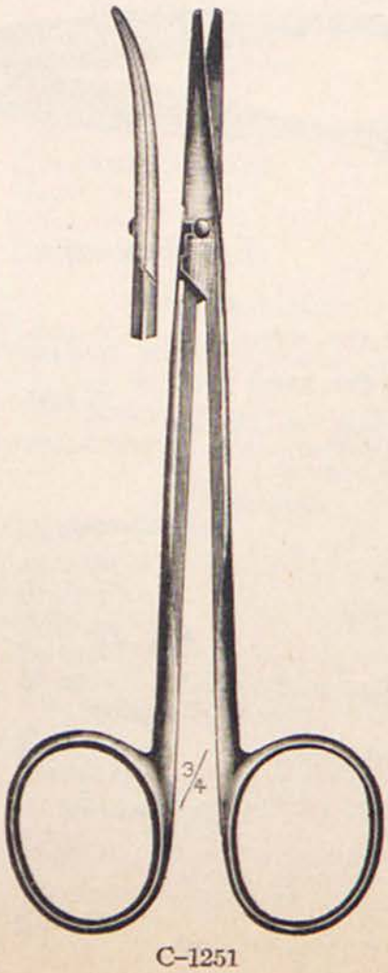
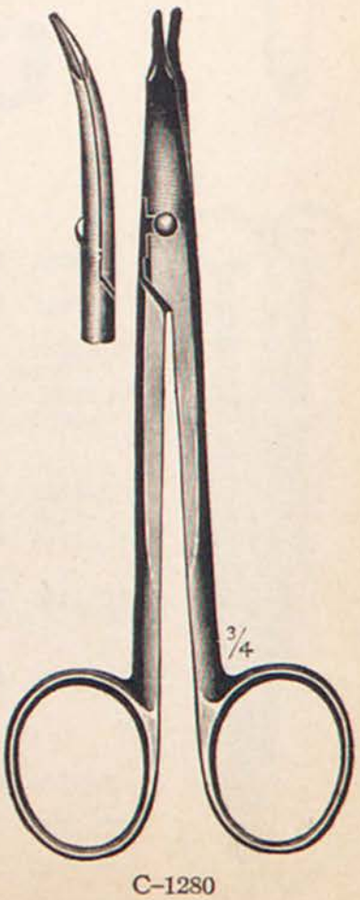
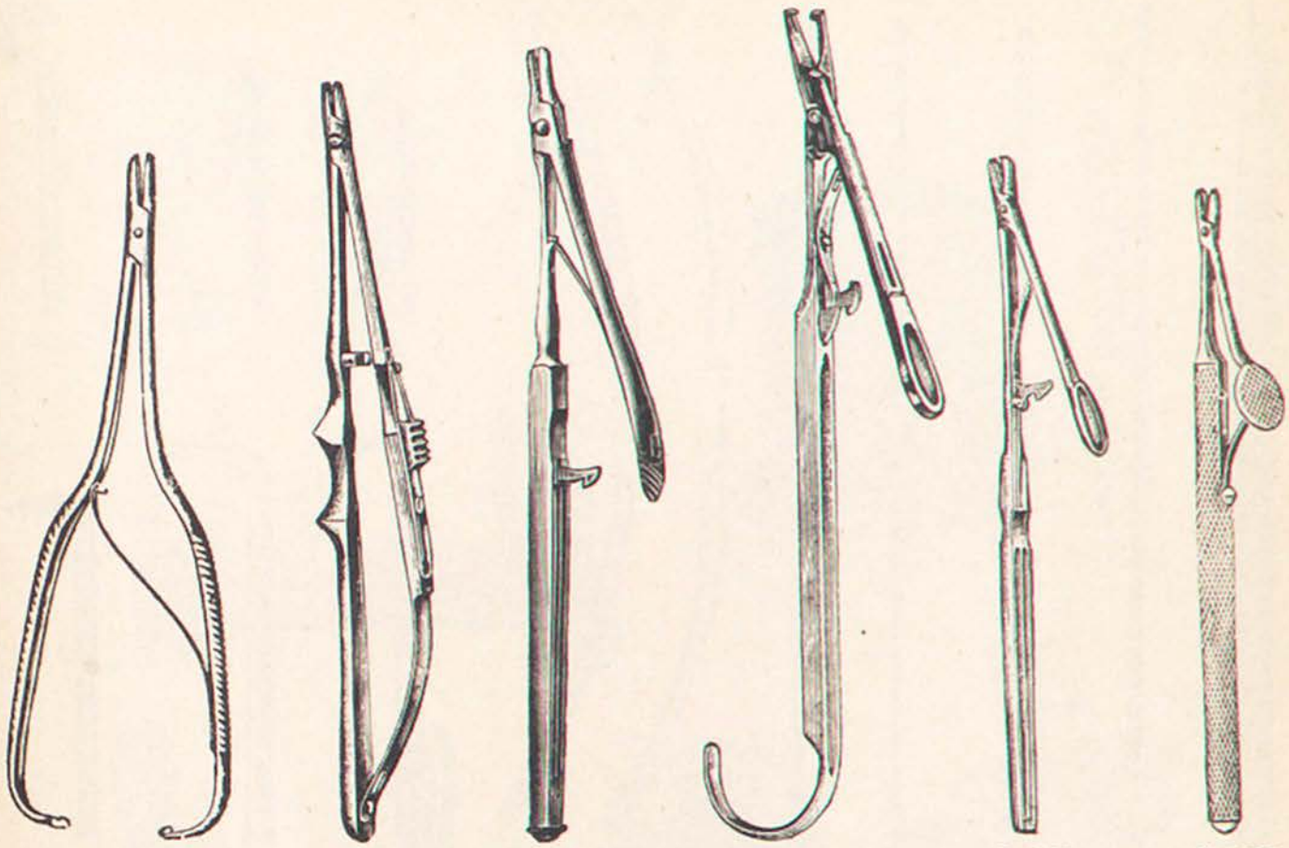


C–1251



C–1280



C–1300 C–1305 C–1310 C–1315 C–1320 C–1325

Eye Instruments—Eye Scissors

Enucleation

C–1200 Curved, blunt, heavy.
*C–1201 Curved, blunt, extra heavy.
*C–1205 **Fox,** curved, heavy.

Iris

C–1210 Straight, regular, sharp.
*C–1211 Straight, delicate, sharp.
C–1212 Curved, regular, sharp.
*C–1213 Curved, delicate, sharp.
C–1215 Angular, sharp.
*C–1216 Angular, 1 probe point.
C–1220 **DeWecker's.**

Lachrymal

*C–1225 **Arlt's.**
*C–1230 **Knapp's.**

Pterygium

*C–1235 **Chadwick's,** curved to the right.
*C–1236 **Chadwick's,** curved to the left.
*C–1237 **Chadwick's,** curved on flat.

Strabismus

*C–1240 Straight, heavy, sharp.
*C–1241 Straight, heavy, blunt.
*C–1245 Straight, **Bowman's,** 2 probe points.
*C–1250 Curved, heavy, sharp.
C–1251 Curved, heavy, blunt.
*C–1255 Curved, **Bowman's,** 2 probe points.
*C–1260 Angular, heavy, sharp.
*C–1265 Angular, **Maunoir's,** 2 probe points.

Suture

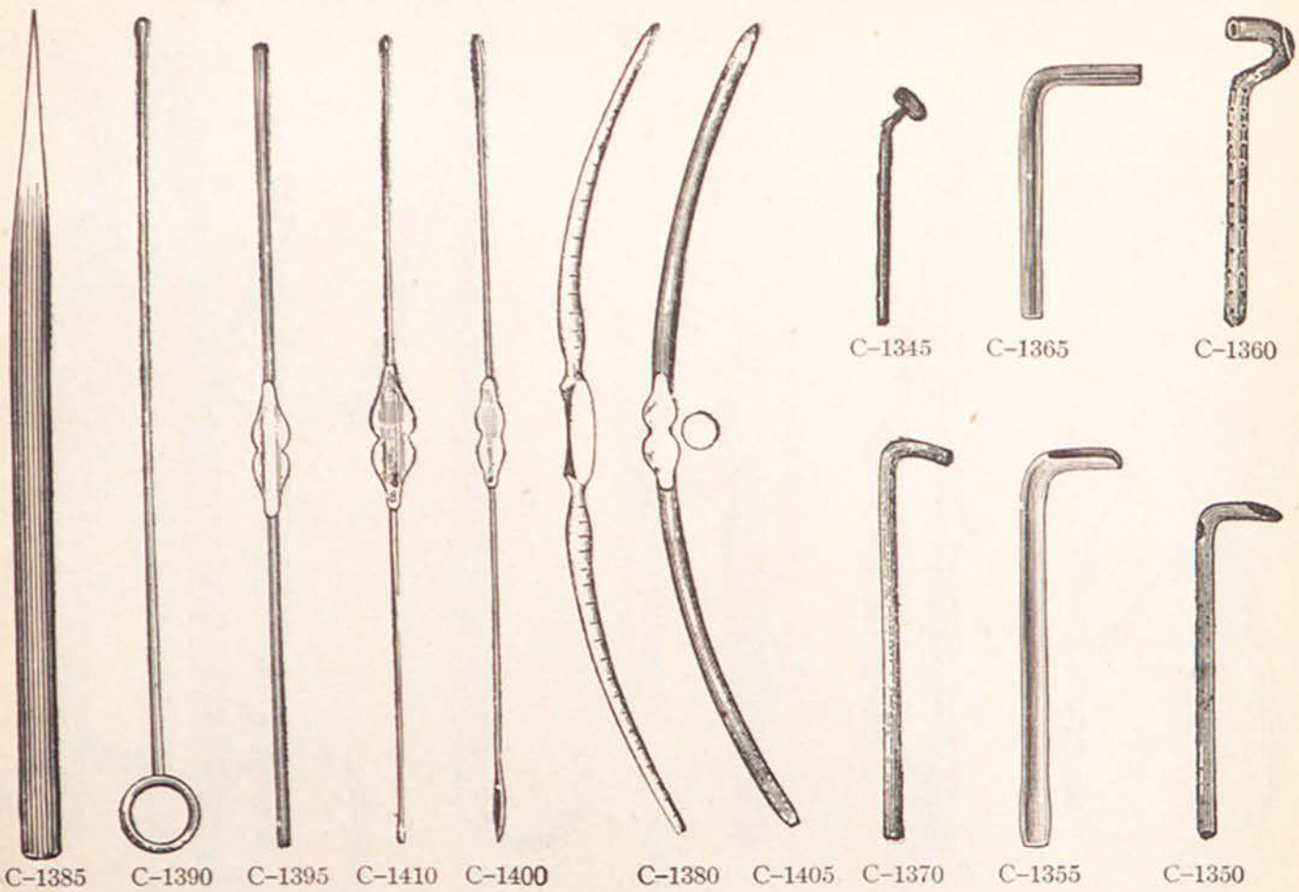
C–1270 **Stevens',** stitch.

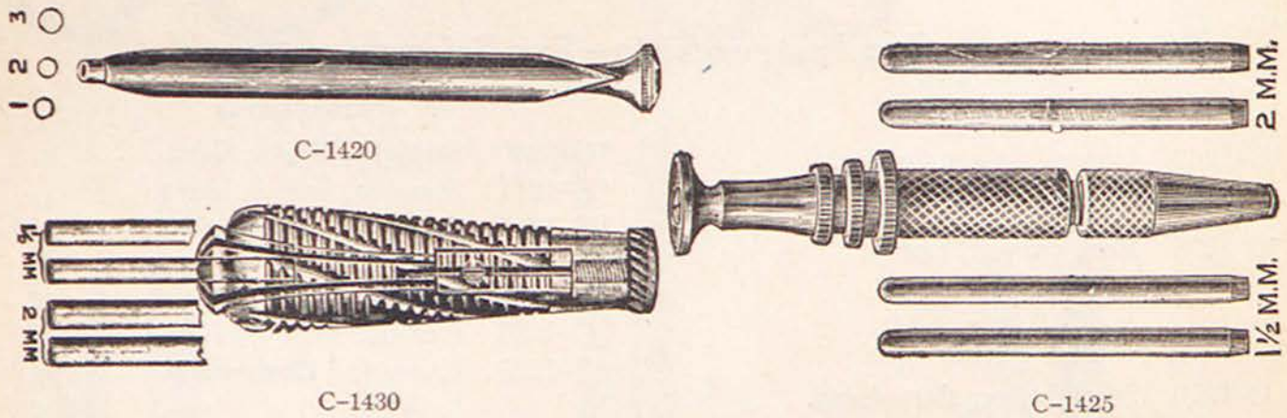
Tenotomy

C–1280 **Stevens'.**
*C–1285 **Westcott's,** spring handle.

Needle Holders

C–1300 **Boynton's.**
*C–1301 **Boynton's,** with **Richter** jaws.
C–1305 **Fisher's.**
C–1310 **Knapp's.**
*C–1315 **Richter's,** hook or straight handles.
C–1320 **Stevens'.**
C–1325 **Stevenson's.**





C–1420

C–1430

C–1425

Eye Instruments

Aspirator

*C–1340 **Bowman's,** for soft cataract.

Canulae and Styles

C–1345 **Bowman's,** silver.
C–1350 **Bowman's,** silver.
C–1355 **Fox's,** silver.
*C–1356 **Fox's,** slotted, silver and gold.
C–1360 **Prince's,** silver, right and left.
C–1365 Style, silver, angular.
C–1370 **Taylor's,** silver.

Dilators

*C–1375 **Peck's,** silver, 2 sizes.
C–1380 **Weber's,** graduated, silver.
C–1385 **Wilder's,** conical.

Probes

C–1390 **Anel's,** silver.
C–1395 **Bowman's,** 8 sizes in set, plated or silver.
C–1400 **Hotz's,** 6 sizes, plated.
C–1405 **Theobold's,** 16 sizes in set, plated or silver.
C–1410 **Williams',** 8 sizes in set, plated or silver.

Syringes, Lachrymal **(see page 23)**

Trephines, Corneal

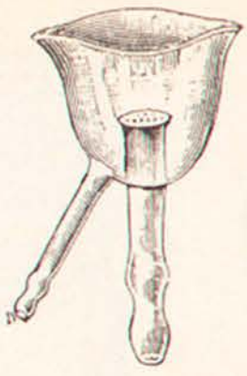
C–1420 **Bowman's,** set of 3, 1, 1½ and 2 mm., in case.
C–1425 **Cross',** 1½ and 2 mm.
C–1430 **Elliott's,** latest, in case.



C–1450



C–1455



C–1460



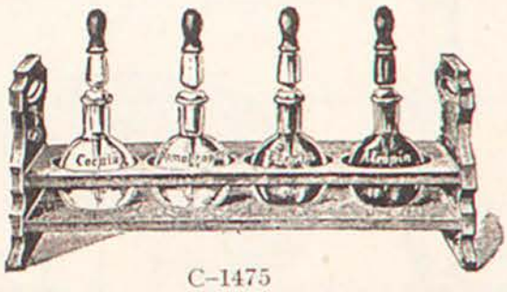
C–1490



C–1500



C–1501



C–1475



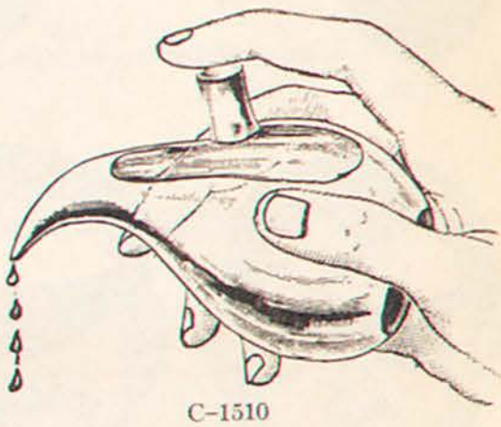
C–1465



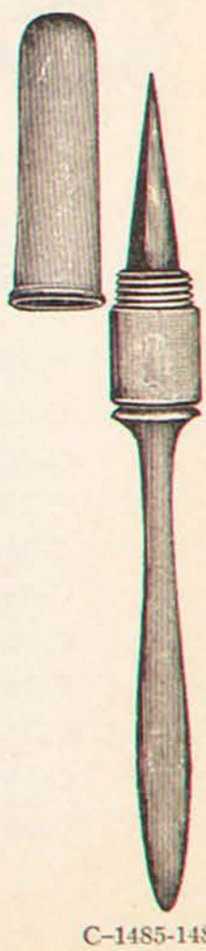
C–1470



C–1480



C–1510



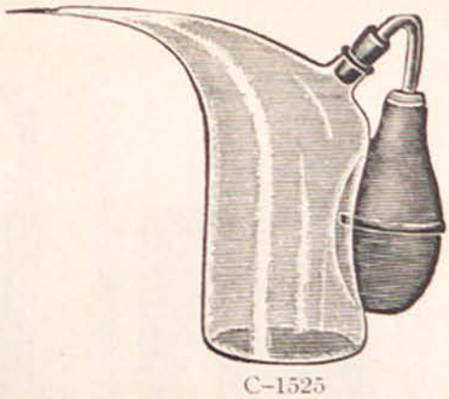
C–1485-1488

Sundries

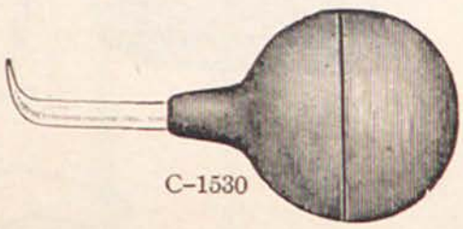
C–1450 Bath, plain, glass.
C–1455 Bath, plain, glass, combined with bottle.
*C–1456 **De Vilbiss'** Eye Irrigator.
C–1460 Bath, **Schweigger's,** glass.
C–1465 Bottle, drop, ground stopper, 1 ounce, 2 ounces.
C–1470 Bottle, **Stroschein's,** single or per set of 4 with tripod.
C–1475 Bottle Stand, wood, for 4 **Stroschein's** bottles, stand only.
C–1480 Bottle, **Ziegler's,** boric acid wash.
C–1485 Caustic Pencil, alum cone.
C–1486 Caustic Pencil, sulphate of copper cone.
C–1487 Caustic Pencil, pyoktannin cone.
C–1488 Caustic Pencil, nitrate of silver cone.
C–1490 Cotton Reservoir, small size.
*C–1495 Coil, **Leiter's,** lead, for hot and cold applications.
C–1500 Dropper, glass, bulb end.
C–1501 Dropper, glass, curved, plain.
*C–1505 Dropper, **Dunn's.**
C–1510 Dropper, **Undine,** with stopper.



C–1520



C–1525



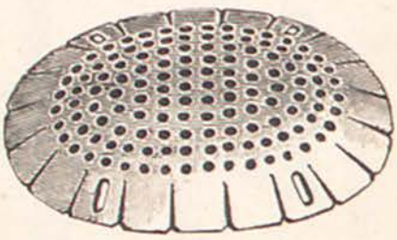
C–1530



C–1535



C–1532



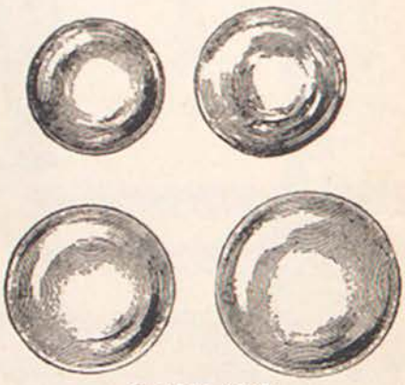
C–1550



C–1540



C–1545



C–1555-1560



C–1515

C–1515 Introducer, **Carter's,** for **Mule's** Vitreous spheres.

C–1520 Irrigator, **Gibson's,** for anterior chamber.

C–1525 Irrigator, **Todd's,** for anterior chamber.

C–1530 Irrigator, **Woodruff's,** for anterior chamber.

C–1532 Mask, **Ring's,** for cataract.

C–1535 Pipette, **Prince's,** silver tip, platinum tip.

C–1540 Shade, eye, single.

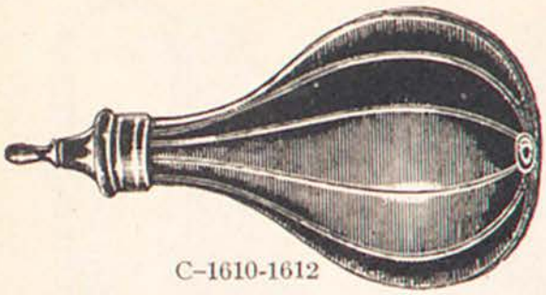
C–1545 Shade, eye, double.

C–1550 Shield, **Fox's,** aluminum.

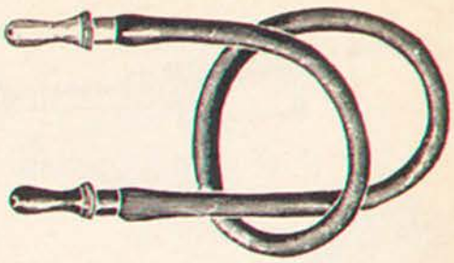
C–1555 Spheres, **Mule's,** vitreous, 4 sizes.

C–1560 Sphere, **Mule's,** gold, hollow, 13, 14 and 15 mm.

*C–1565 Test Drum, with piece of fine, thin kid.



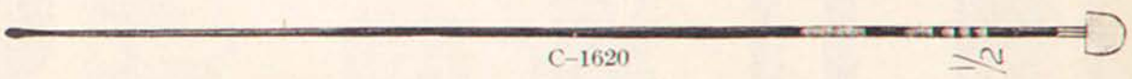
C–1610-1612



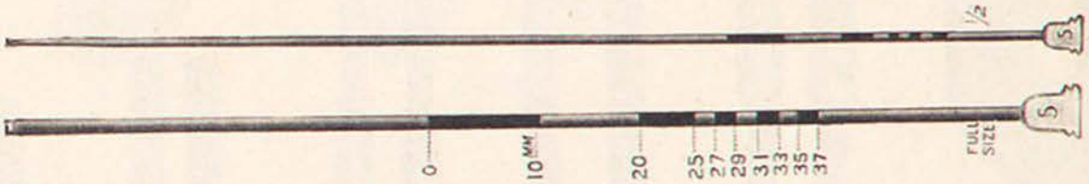
C–1650



C–1616



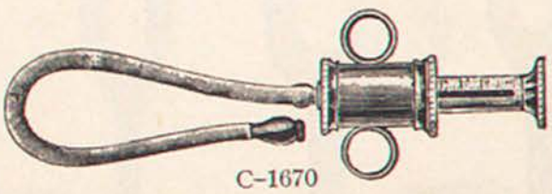
C–1620



C–1622



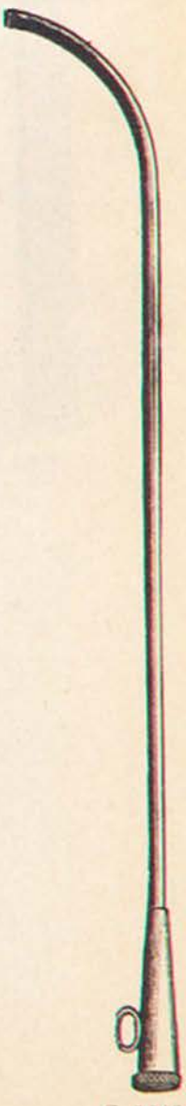
C–1645



C–1670



C–1630



C–1640

Ear Instruments

Acoumeters

*C–1600 **Barany's,** Lärm Apparatus.
*C–1602 **Bartlett's.**
*C–1604 **Politzer's.**

Air Bags

*C–1606 **Lenox-Brown's.**
C–1610 **Politzer's,** with valve, 4 ounces, 8 ounces, 12 ounces.
C–1612 **Politzer's,** without valve, 4 ounces, 8 ounces, 12 ounces.
*C–1614 Connecting tips for **Politzer** Bags, hard rubber.

Bougies

C–1616 **Urbanschitsch's,** celluloid, 6 sizes, set.
*C–1618 Whalebone, double end, 5 sizes in set.
C–1620 **Yankauer's,** graduated, 5 sizes, in bottle or single.
C–1622 **Yankauer's,** sounds, graduated, 5 sizes, in bottle or single.

Catheters

*C–1625 Hard Rubber, 6 sizes, each.
C–1630 **Hartman's,** 6 sizes, plated or silver.
*C–1635 **Herzfeld's,** spiral end.
C–1640 Plain, 6 sizes, plated or silver.
C–1645 **Weber-Liel's,** silk.

Diagnostic Tube

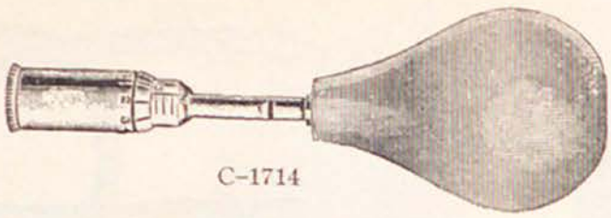
C–1650 **Toynbee's,** 3 feet long, hard rubber ear pieces.

Inhalers

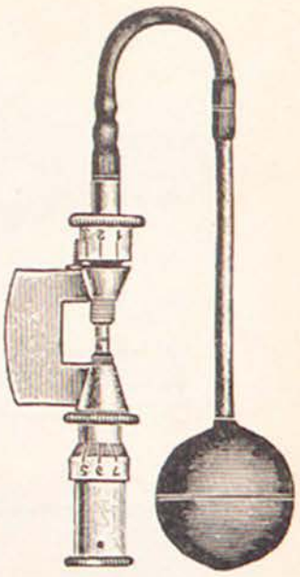
*C–1655 **Buttle's,** hard rubber.
*C–1660 **Pomeroy's,** glass nozzle.
*C–1665 **Pynchon's,** hard rubber.

Masseurs

C–1670 **Delstanche's.**
*C–1675 **Delstanche's,** with 3 rings.
*C–1680 **Wigmore's,** for compressed air.



C–1714



C–1710



C–1704



C–1696



C–1700



C–1698



C–1690



C–1702

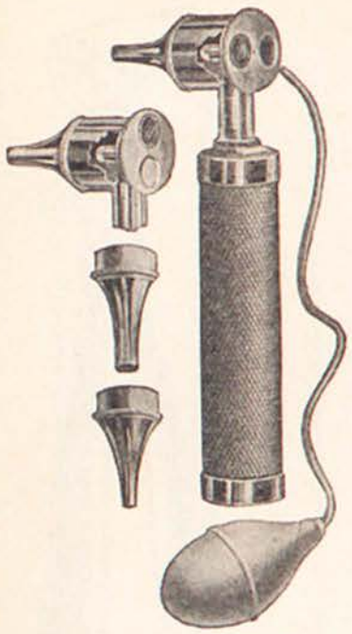
Ear Instruments

Tuning Forks

*C–1685 **Bezold's,** continuous tone series of tuning forks, consisting of 10 forks, 3 whistles, and 1 hammer, in case, complete.
C–1690 Plain, 4½ inches, A or C.
*C–1692 Fine, 6½ inches, C2, 512 vibrations.
*C–1694 **Dench's,** large, 26 to 64 vibrations.
C–1696 **Hartman's,** C, 128 vibrations.
C–1698 **Hartman's,** C1, 256 vibrations.
C–1700 **Hartman's,** C2, 512 vibrations.
C–1702 **Hartman's,** C3, 1,024 vibrations.
*C–1704 **Hartman's,** C4, 2,048 vibrations.
*C–1706 **Hartman's,** set of 5 in case.

Whistles

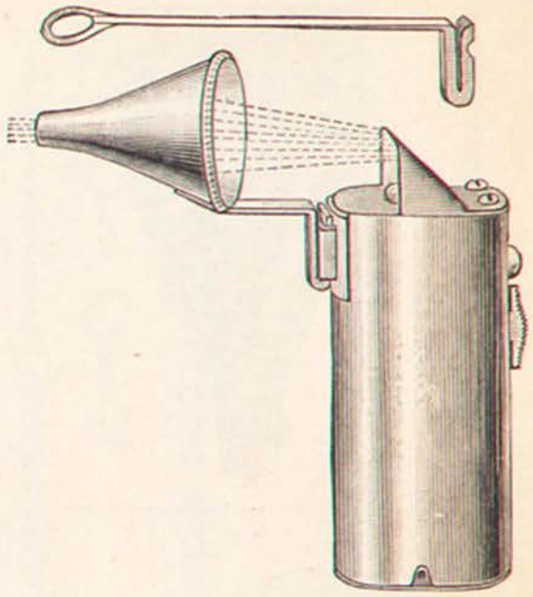
C–1710 **Bezold's.**
*C–1712 **Dench's.**
C–1714 **Galton's.**



C–1735



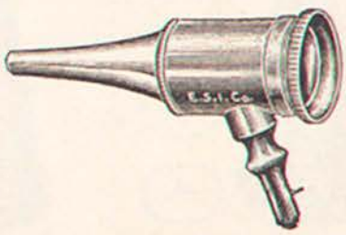
C–1740



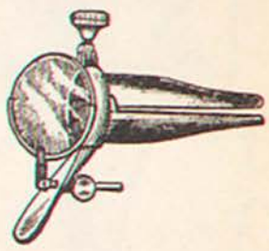
C–1742



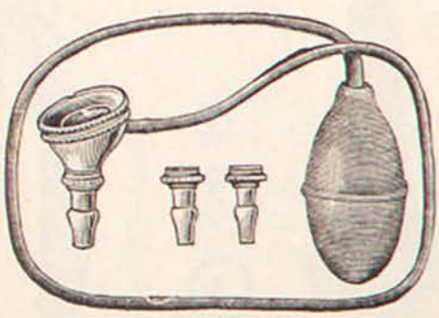
C–1725



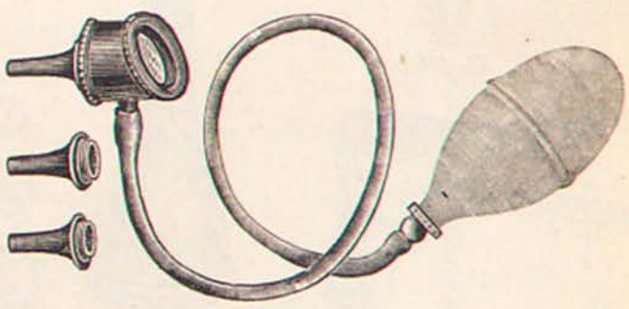
C–1741



C–1755



C–1745



C–1750

Ear Instruments

Otoscopes

C–1725 **Burnett's,** with bulb.

*C–1730 **Carstens',** pocket electric, with tongue depressor, in case.

C–1735 **DeZeng's,** electric, pneumatic, in case.

C–1740 **E. S. I. Co.,** electric, pneumatic, with handle.

C–1741 **E. S. I. Co.,** electric, without handle.

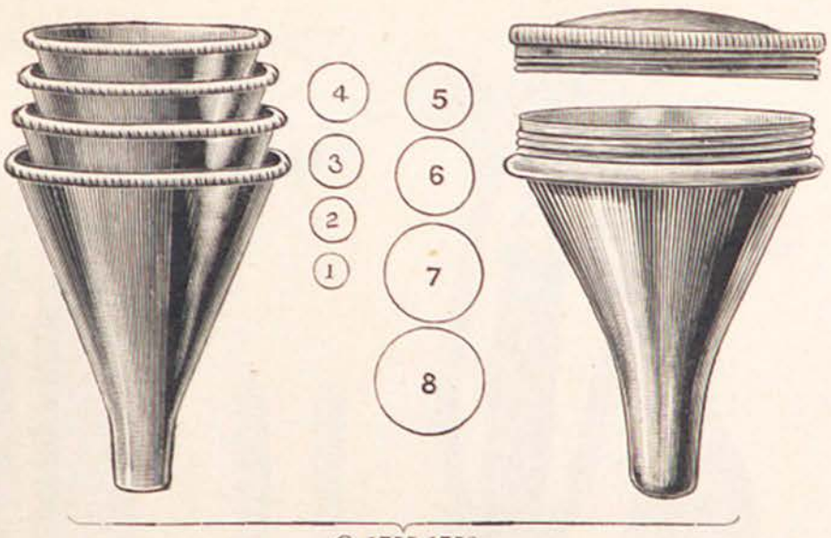
C–1742 **Kalteyer's,** with tongue depressor, but without lens.

C–1743 **Kalteyer's,** with tongue depressor and lens, in case.

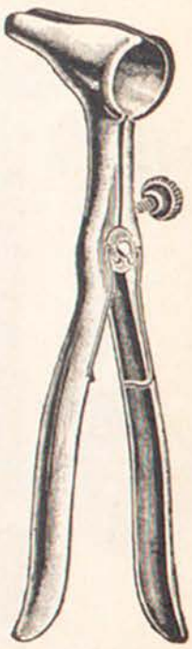
C–1745 **Pynchon's,** with bulb.

C–1750 **Siegel's,** with bulb, hard rubber or metal.

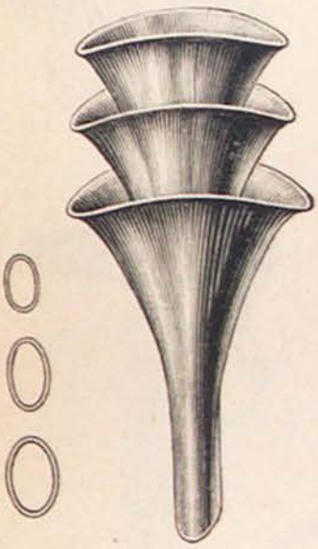
C–1755 **Simrock's.**



C–1755-1756



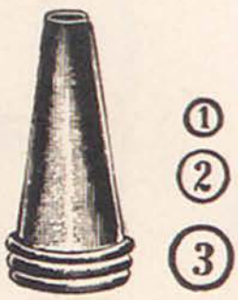
C–1770



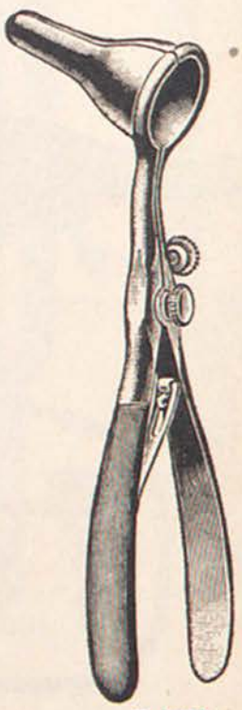
C–1760



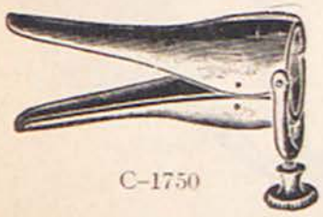
C–1765



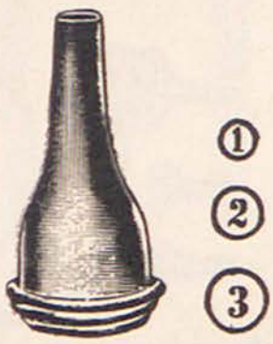
C–1781



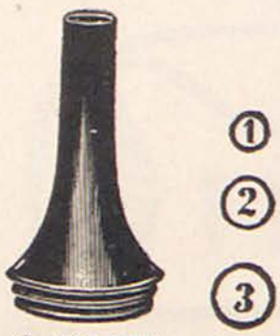
C–1771



C–1750



C–1766

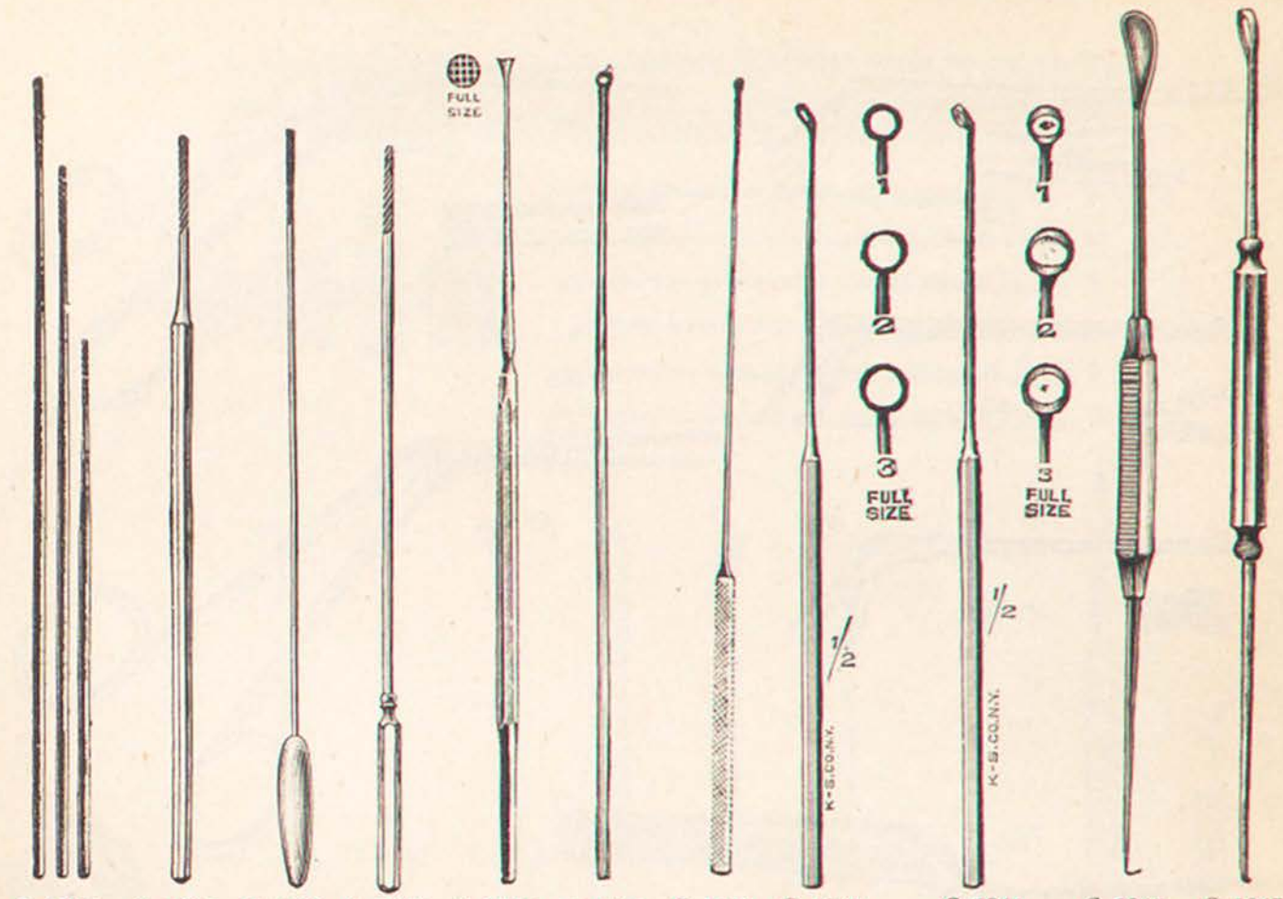


C–1775-1776

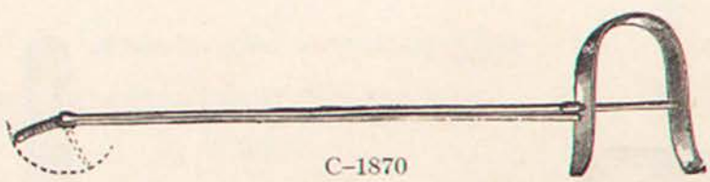
Ear Instruments

Specula

C–1750 **Bonafont's,** bivalve.
C–1755 **Boucheron's,** set of 4, small, with or without case.
C–1756 **Boucheron's,** set of 4, large, without case only.
C–1760 **Brown's,** set of 3, plated, without case only.
C–1765 **Gruber's,** set of 4, hard rubber.
C–1766 **Gruber's,** set of 3, nickel-plated, silver-plated or silver, in case.
*C–1767 **Gruber's,** set of 4, nickel-plated, silver-plated or silver.
C–1770 **Kraemer's,** bivalve, 4 sizes, wrought metal.
C–1771 **Kraemer's,** bivalve, steel.
C–1775 **Toynbee's,** set of 3, hard rubber.
C–1776 **Toynbee's,** set of 3, nickel-plated, silver-plated or silver, in case.
*C–1780 **Wilde's,** set of 3, hard rubber.
C–1781 **Wilde's,** set of 3, nickel-plated, silver-plated or silver, in case.
*C–1782 **Wilde's,** set of 4, nickel-plated or silver-plated.



C–1795 C–1805 C–1800 C–1790 C–1815 C–1825 C–1830 C–1840 C–1841 C–1845 C–1847



C–1870

Ear Instruments

Applicators

C–1790 **Allen's,** screw or triangular.
C–1795 **Andrew's,** aluminum, straight or taper end, 3 sizes.
C–1800 **Brown's,** steel or copper.
C–1805 **Ivan's,** steel.
*C–1810 **Yankauer's,** graduated handle, for wire applicators.
*C–1811 **Yankauer's,** spiral wire applicators, eustachian, 1 dozen in glass tube.

Packers

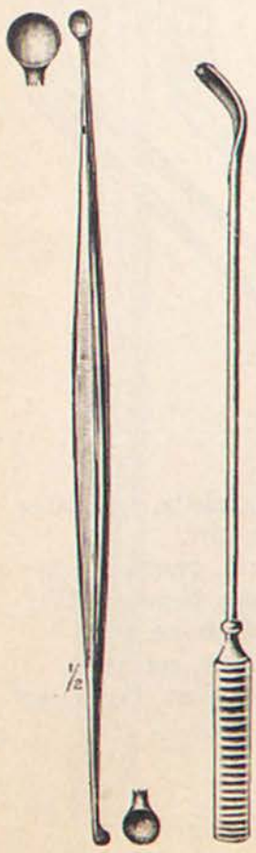
C–1815 **Allport's,** gauze.
*C–1820 **Pierce's,** gauze.

Probes

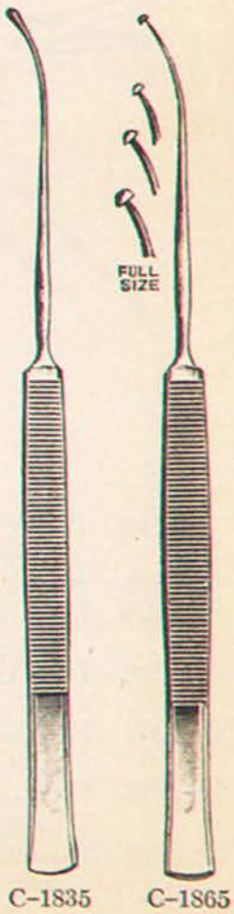
C–1825 **Buck's,** fine, silver.
C–1830 **Hotz's,** fine, silver.
C–1835 **Yankauer's.**

Curettes

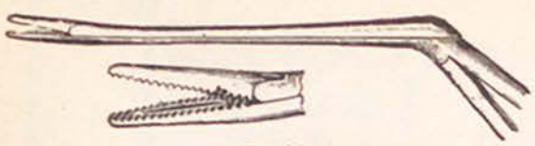
C–1840 **Buck's,** dull, 3 sizes,
C–1841 **Buck's,** sharp, 3 sizes.
C–1845 **Gross',** with hook.
*C–1846 **Gross',** with spud.
C–1847 **Gross',** fenestrated, with hook.
C–1850 **Jansen's,** double ended.
*C–1855 **Sexton's,** double.
C–1860 **Speir's,** spiral.
C–1865 **Yankauer's,** eustachian or salpingeal, 3 sizes.
*C–1870 **Quire's,** foreign body instrument.



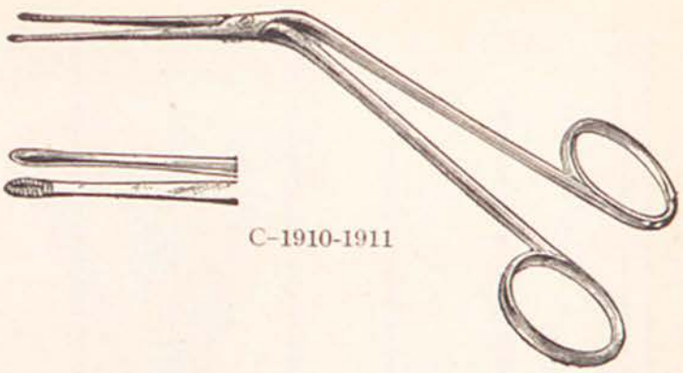
C–1850 C–1860



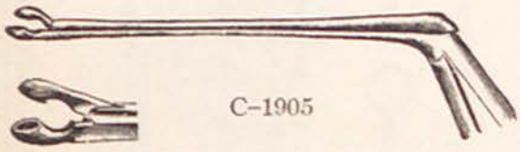
C–1835 C–1865



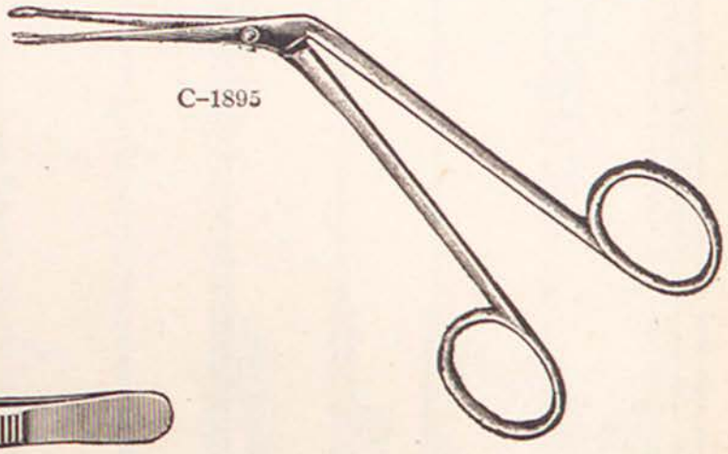
C–1920



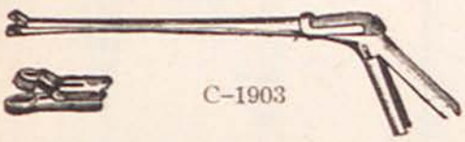
C–1910-1911



C–1905



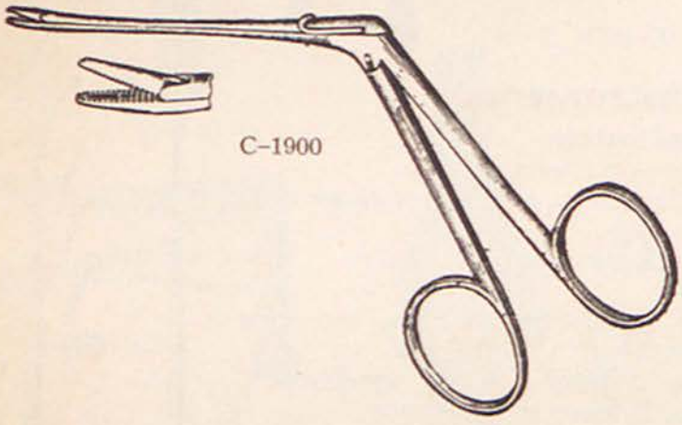
C–1895



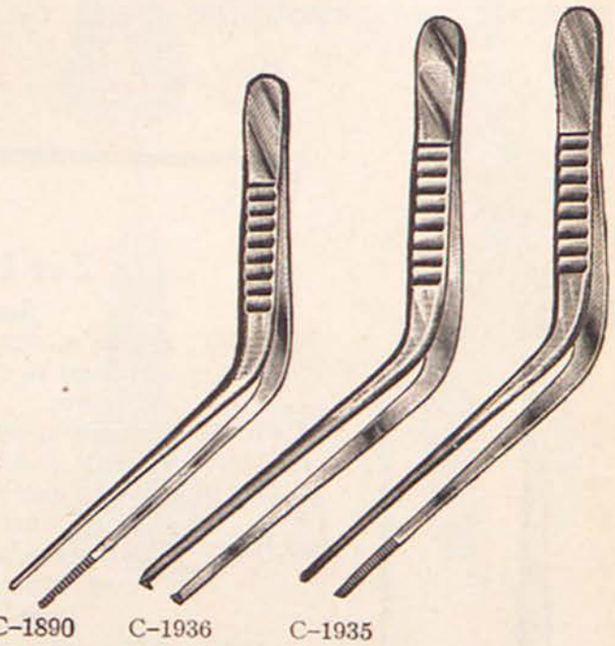
C–1903



C–1915



C–1900



C–1890 C–1936 C–1935

Ear Instruments

Ear Forceps

C–1890 **Blake's,** very delicate, serrated points.

C–1895 **Hartman's,** plain.

C–1900 **Hartman's,** alligator jaw, delicate, serrated.

*C–1901 **Hartman's,** alligator jaw, delicate, mouse tooth

*C–1902 **Hartman's,** alligator jaw, round, cutting, straight.

C–1903 **Hartman's,** alligator jaw, oval, cutting, straight.

*C–1904 **Hartman-Cittelli's,** alligator jaw, spoon, curved upward.

C–1905 **Hartman - Herzfeld's,** alligator jaw, spoon, straight.

C–1910 **Haslam's,** delicate, bent on edge.

C–1911 **Haslam's,** delicate, bent on flat.

C–1915 **Lucae's,** bayonet shape.

C–1920 **Noyes',** alligator jaw, serrated.

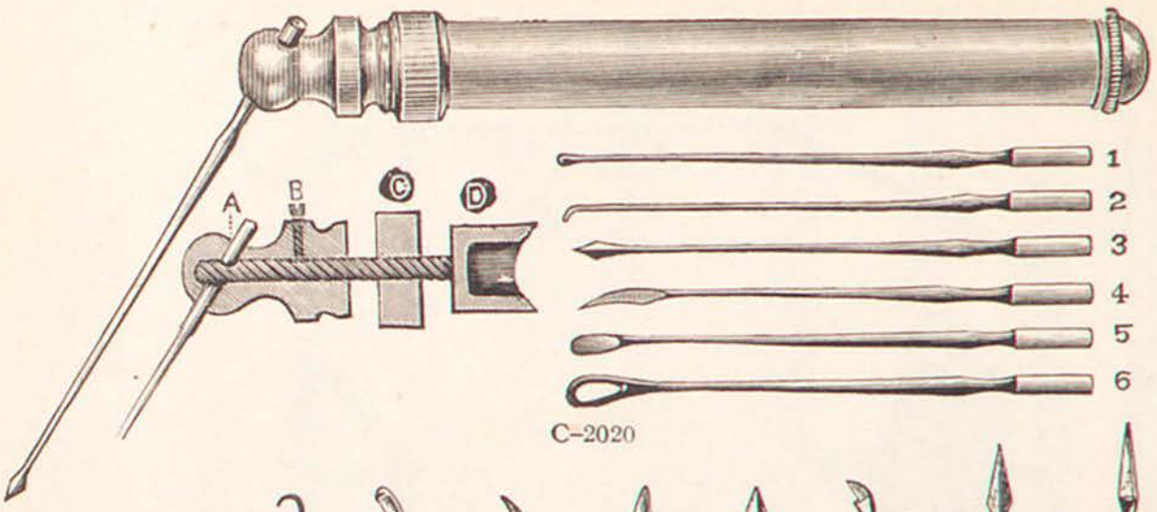
*C–1921 **Noyes',** alligator jaw, serrated with mouse teeth.

*C–1925 **Politzer's.**

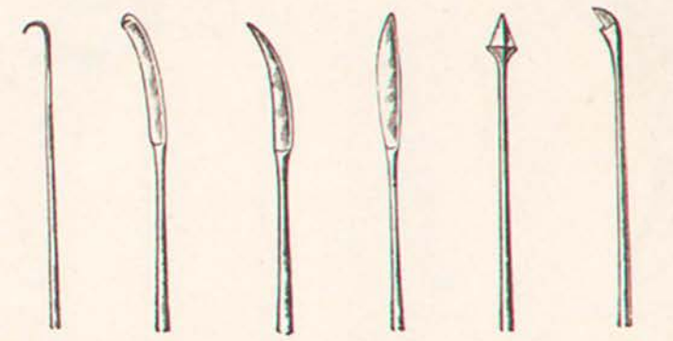
*C–1930 **Pomeroy's.**

C–1935 **Wilde's,** serrated points.

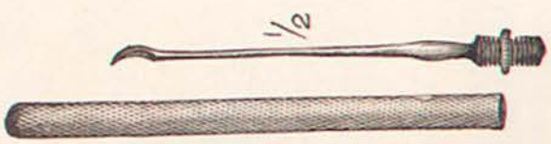
C–1936 **Wilde's,** mouth tooth points.



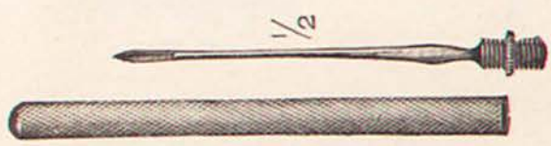
C–2020



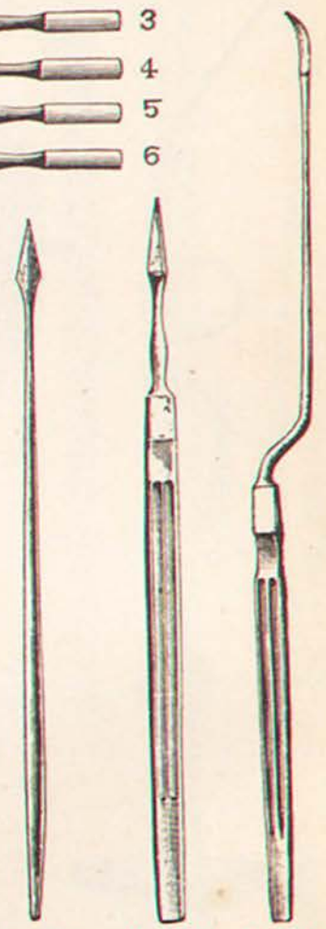
C–1955 C–1960 C–1965 C–1985 C–2005 C–1990



C–1980



C–1981



C–2000 C–1970 C–2010



C–2015



C–1975

Ear Instruments

Hooks

*C–1950 **Allport's,** incus.
C–1955 **Hotz's,** sharp.

Knives

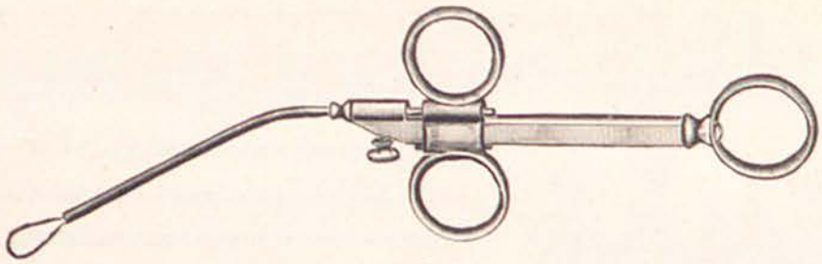
C–1960 Bistoury, curved, blunt, in permanent, or for universal handle.
C–1965 **Buck's,** curved, sharp, in permanent, or for universal handle.
C–1970 **Hartmann's,** furuncle knife.
C–1975 **Hayden's,** angular, double edged.
C–1980 **Royce's,** curved, in pencil handle.
C–1981 **Royce's,** straight, in pencil handle.
C–1985 **Sexton's,** sharp, in permanent, or for universal handle.

Perforators, Tympanum

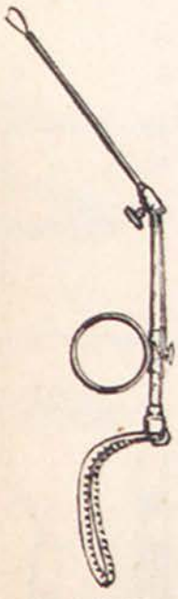
C–1990 Angular, with stop, in permanent, or for universal handle.
*C–1995 **Lucae's,** bayonet shape.
*C–2000 **Politzer's,** angular, in permanent, or for universal handle.
C–2005 **Troeltsch's,** angular, in permanent, or for universal handle.
C–2010 **Williams',** bayonet shape.
C–2015 **Universal Handle** with set screw.

Sets of Ear Instruments

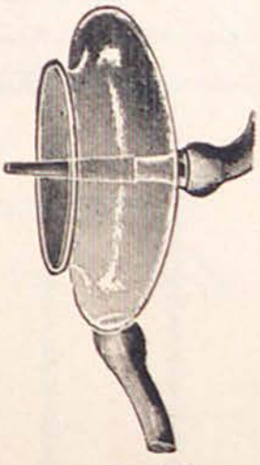
C–2018 **Hennig's,** paracentesis set, in khaki case.
C–2020 **Sprague's,** with hollow handle to hold instruments.



C–2050



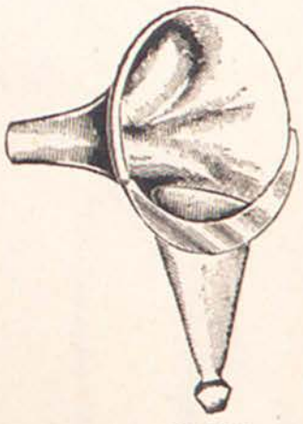
C–2046



C–2030



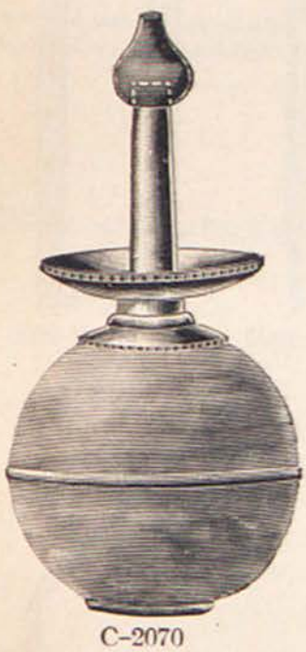
C–2040



C–2055



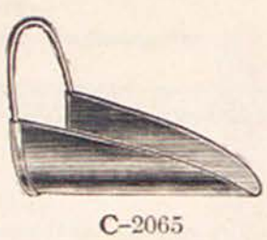
C–2045



C–2070



C–2060



C–2065



C–2075-2076

Ear Instruments

Douches

C–2030 **Fowler's,** glass.
*C–2035 **Hewitt's,** for middle ear.
C–2040 **Lucae's.**

Snares

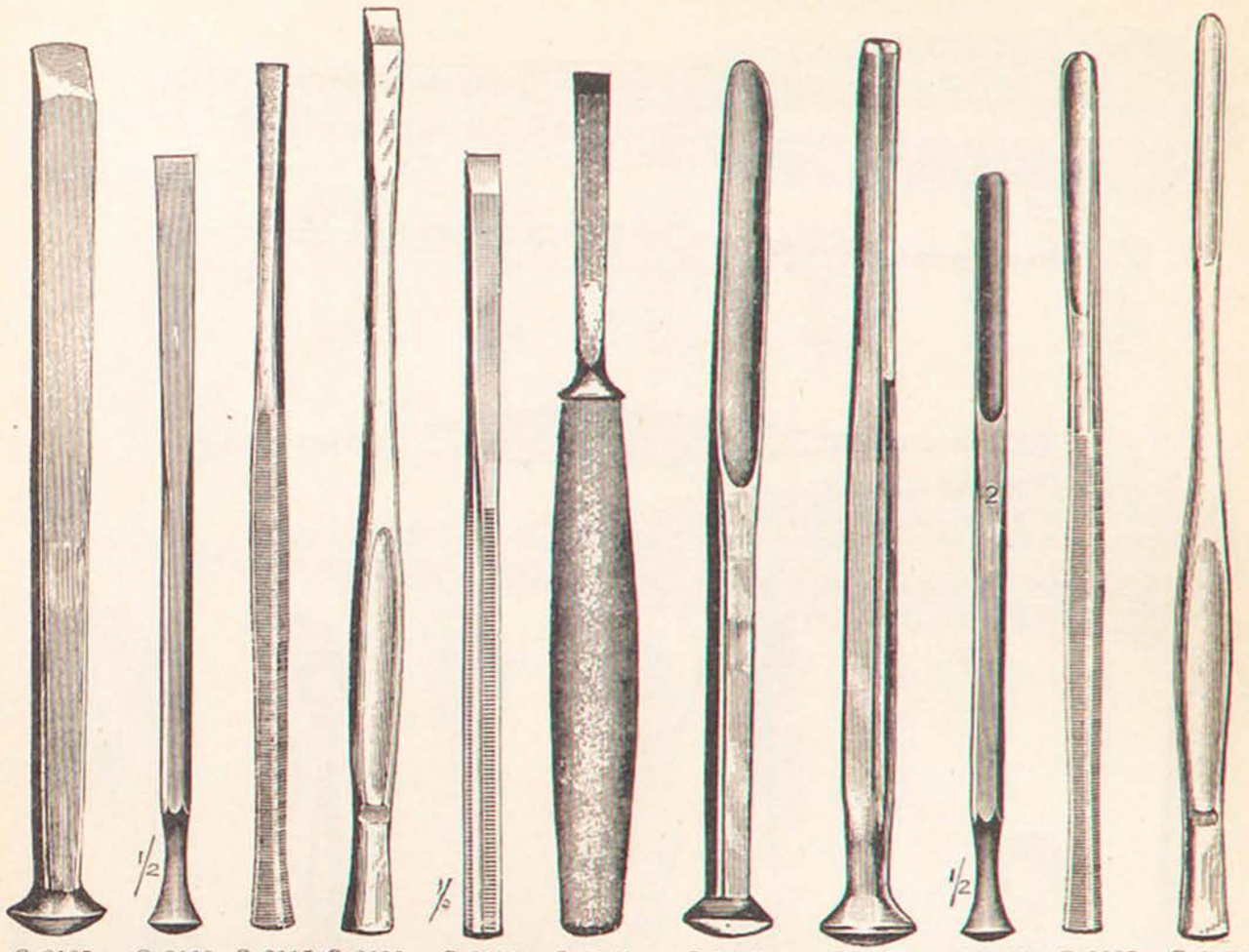
C–2045 **Blake's,** original.
C–2046 **Blake's,** improved.
C–2050 **Krause's,** extra small, for ear.

Spouts

C–2055 **Beck's,** ear drain.
C–2060 **Brown's.**
C–2065 **Hosmer's,** plain.
*C–2066 **Hosmer's,** with spring.

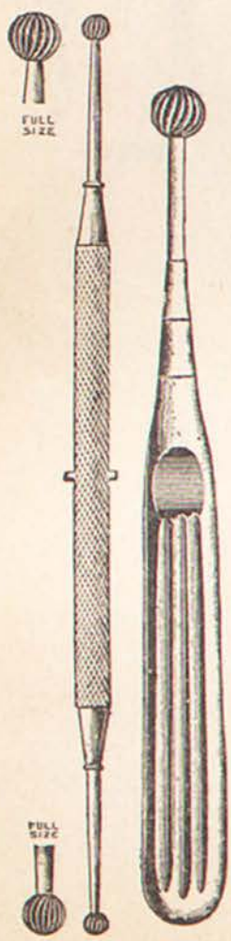
Syringes (see also pages 27 and 29)

C–2070 **Allport's.**
*C–2072 **Colburn's,** with middle ear canula only.
*C–2073 **Colburn's,** with middle ear and lachrymal canula.
C–2075 Ulcer and ear, soft rubber.
C–2076 Ulcer and ear, soft rubber, 3 ounces.



C–2105 C–2110 C–2115 C–2130 C–2135 C–2145 C–2150 C–2155 C–2160 C–2165 C–2180

Mastoid Instruments



C–2090 C–2095

Burrs

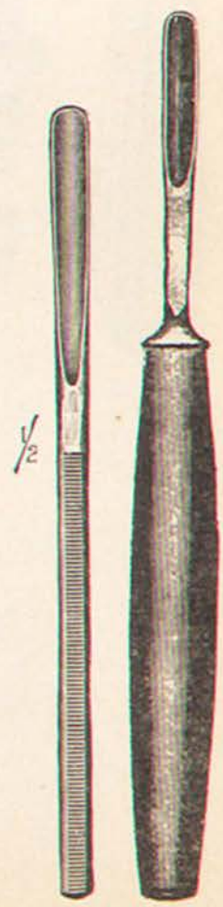
C–2090 **Allport's,** eustachian.
C–2095 **Ballenger's,** mastoid, 4 sizes.
*C–2100 **Stucky's,** eustachian.

Chisels

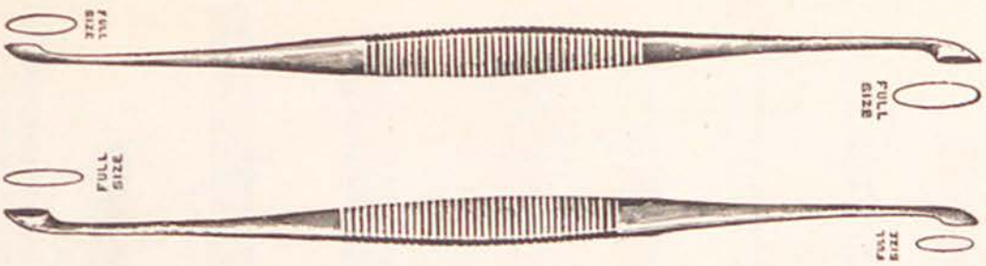
C–2105 **Alexander's,** 6¾ inches long, 6 sizes.
C–2110 **Andrew's,** 6 inches long, 2 sizes.
C–2115 **Bishop's,** 6¾ inches long, 3 sizes.
*C–2120 **Down's,** 3 sizes.
*C–2125 **Hajek's,** 4 sizes, 3, 6, 9 and 12 mm.
C–2130 **Haslam's,** 4 sizes, 3, 5, 7 and 9 mm.
C–2135 **Schwartz's,** 4 sizes.
*C–2140 **Stacke's,** bayonet shape, 1 size.
C–2145 **Whiting's,** 6 sizes.

Gouges

C–2150 **Alexander's,** 6¾ inches long, 6 sizes.
C–2155 **Allport's,** 6¾ inches long, 6 sizes.
C–2160 **Andrew's,** 6 inches long, 2 sizes.
C–2165 **Bishop's,** 3 sizes.
*C–2170 **Down's,** 3 sizes.
*C–2175 **Hajek's,** 4 sizes, 3, 6, 9 and 12 mm.
C–2180 **Haslam's,** 4 sizes, 3, 5, 7 and 9 mm.
*C–2185 **Randall's,** with weighted handle.
C–2190 **Schwartz's,** 4 sizes.
*C–2195 **Stacke's,** curved, 3 sizes.
C–2200 **Whiting's,** 6 sizes.



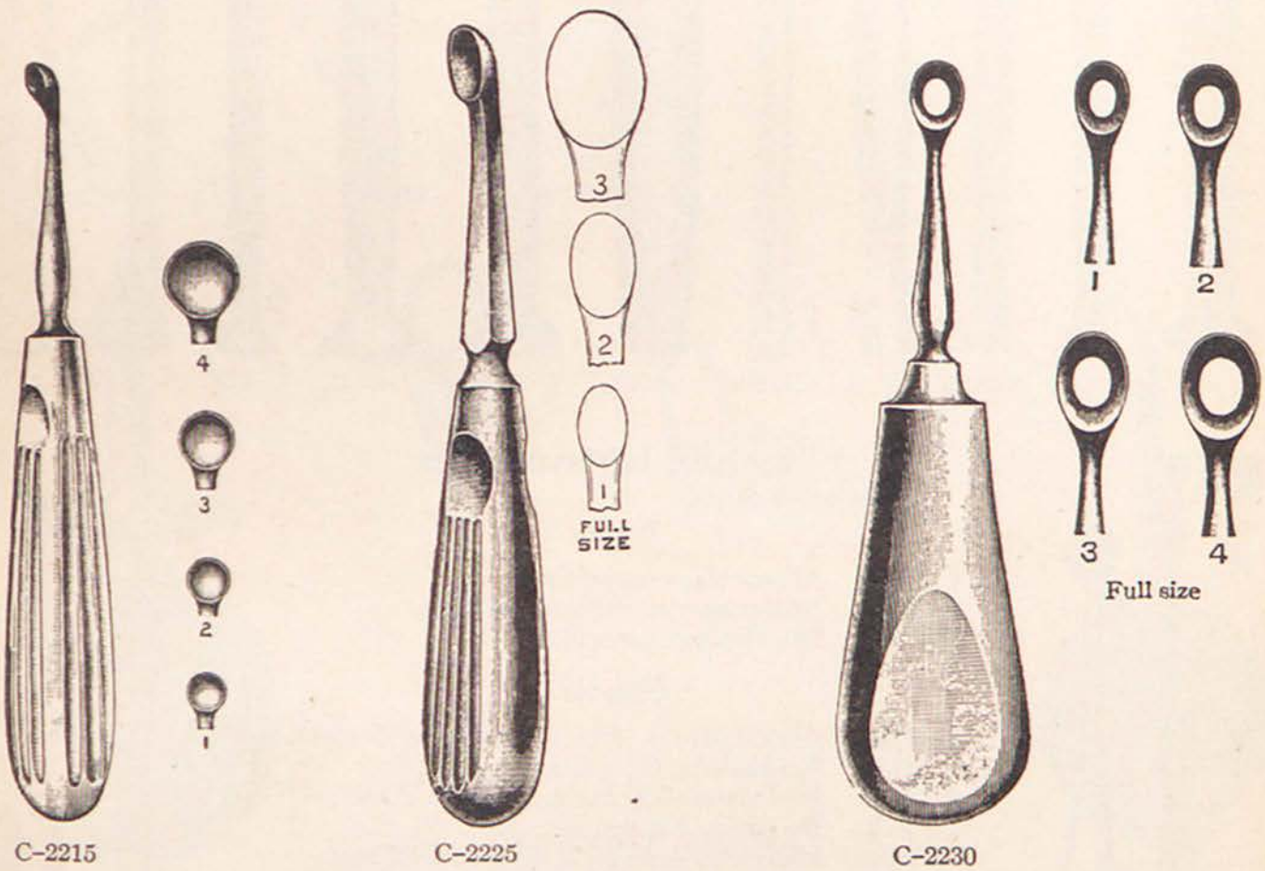
C–2190 C–2200



C–2210



C–2220

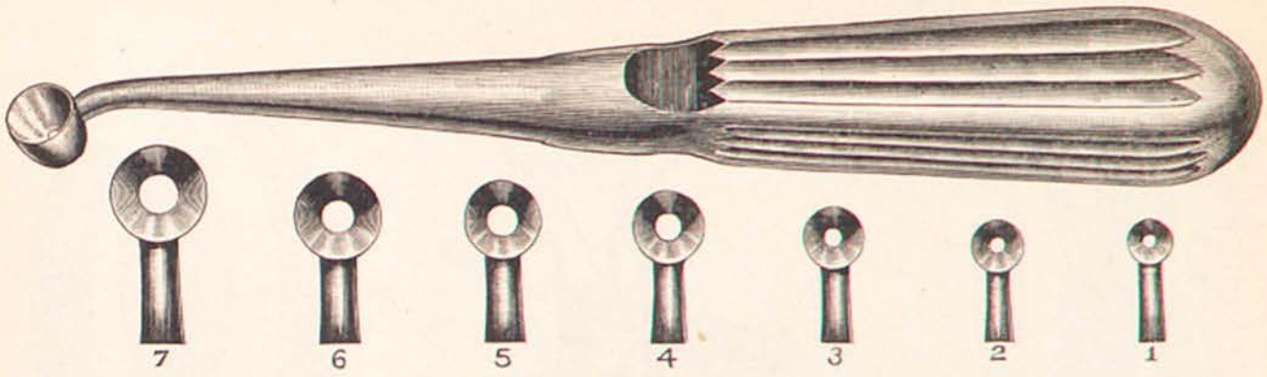


C–2215 C–2225 C–2230

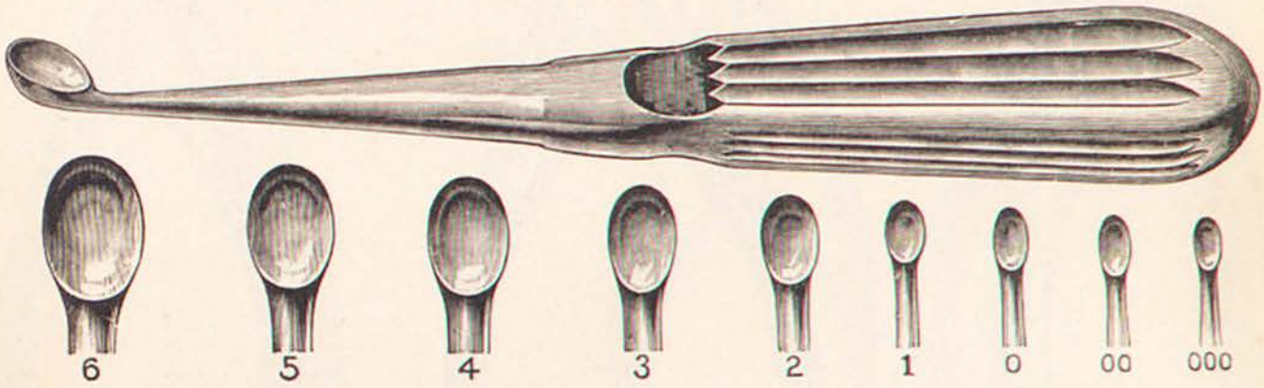
Mastoid Instruments

Curettes

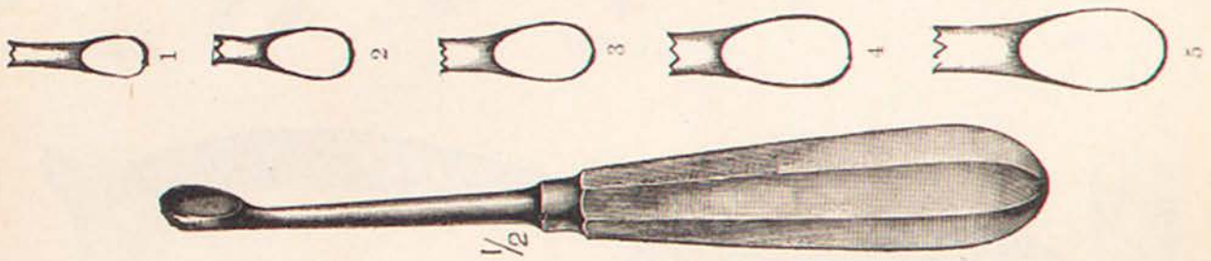
C–2210 **Barth's,** double end, 2 sizes.
C–2215 **Buck's,** round, 4 sizes.
*C–2216 **Buck's,** oval, 4 sizes.
C–2220 **Hardy's,** double end.
C–2225 **Green's,** 3 sizes.
C–2230 **McKernon's,** fenestrated, 4 sizes.



C–2240



C–2245



C–2250

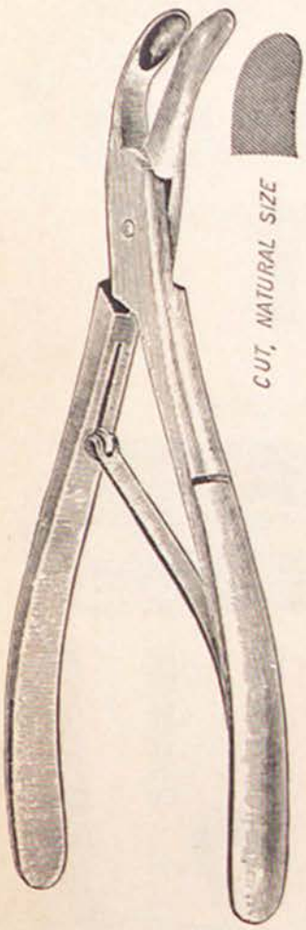
Mastoid Instruments

Curettes

*C–2235 **Politzer's,** round, fenestrated.
C–2240 **Richard's,** 7 sizes.
C–2245 **Spratt's,** 8 sizes.
C–2250 **Whiting's,** 5 sizes.

Mallets (see page 102)

*C–2255 **Fibre,** with metal handle, boilable.
*C–2260 **Forwood's,** bronze.
*C–2265 **Hajek's.**
*C–2270 Lead Mallet, small, flat faced.
*C–2275 **Morgan's,** bronze.
*C–2280 Plain, lead filled.
*C–2285 Rawhide, 2 sizes, small and large.



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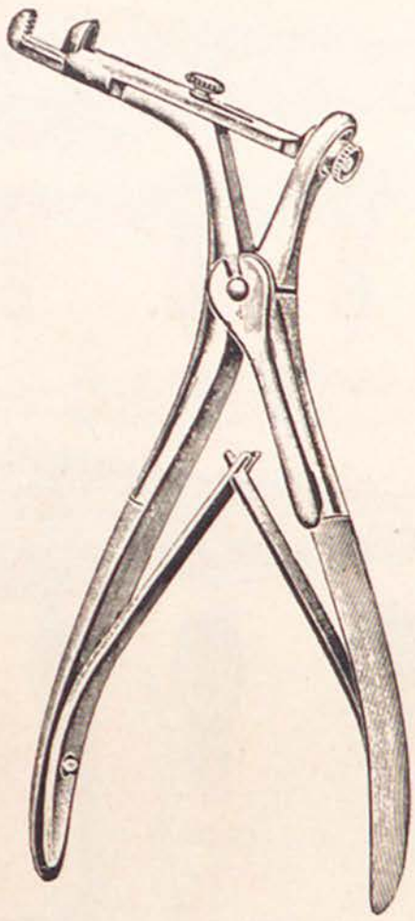

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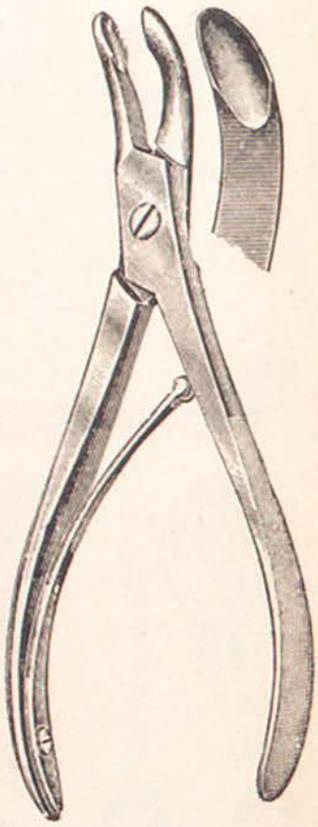

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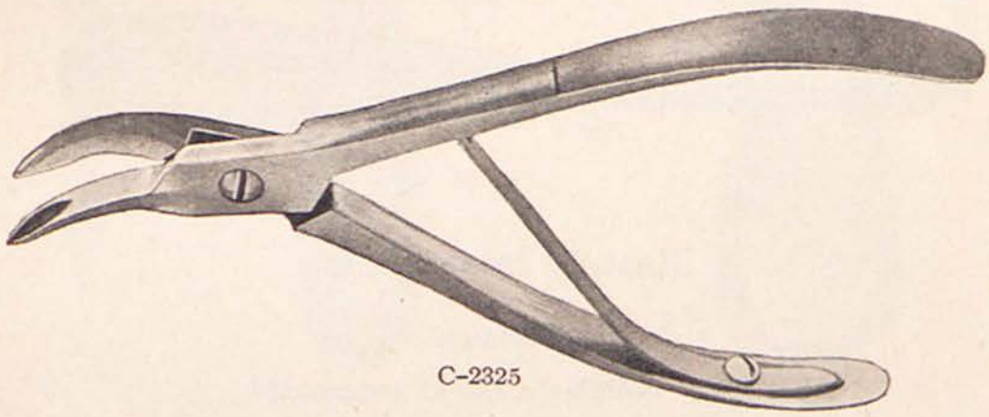
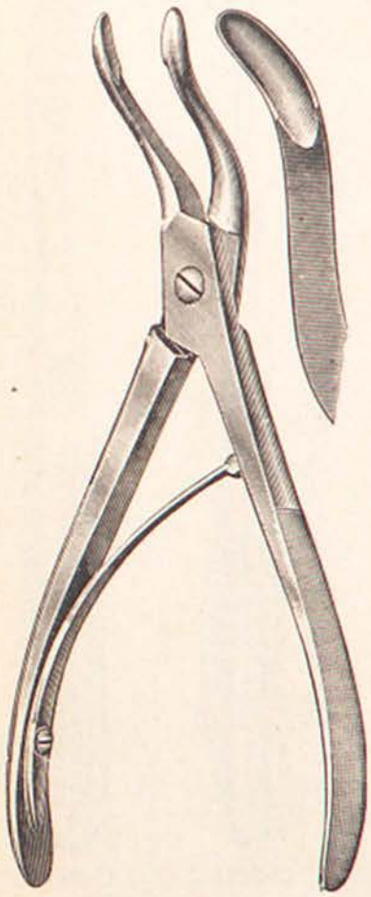


C–2325

Mastoid Instruments

Mastoid Bone Gouging Forceps

C–2300 **Bane's.**
*C–2305 **Barnhill's.**
C–2310 **Citteli's.**
*C–2311 **Citteli's,** heavy.
C–2315 **Cozzolini-Allport's,** latest model.
C–2320 **Hartmann's,** curved.
C–2325 **Husk's.**



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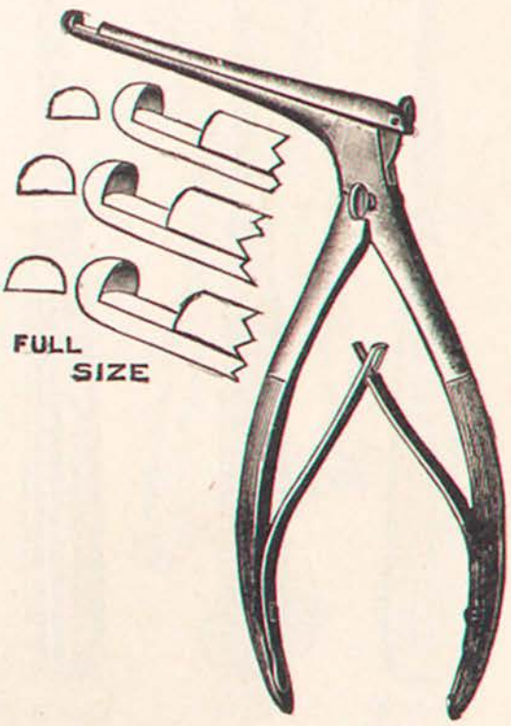

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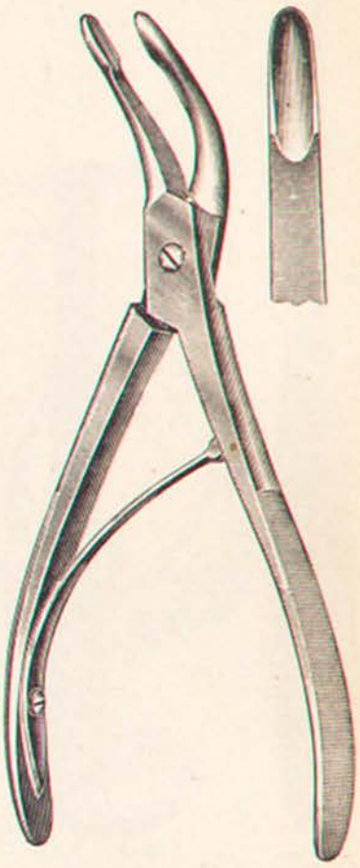

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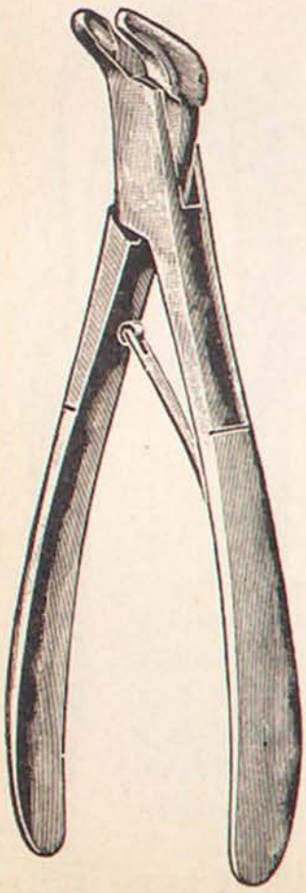
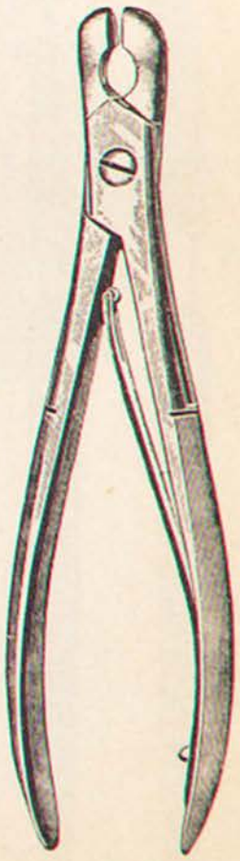


C–2350

Mastoid Instruments

Mastoid Bone Gouging Forceps

C–2330 **Jansen's.**
C–2335 **Kerrison's,** 3 sizes.
*C–2340 **Lombard's.**
C–2345 **Lucae's.**
C–2350 **Pierce's,** mortise joint.
C–2355 **Whiting's.**
*C–2360 **Zaufal's,** curved.
*C–2361 **Zaufal's,** straight.



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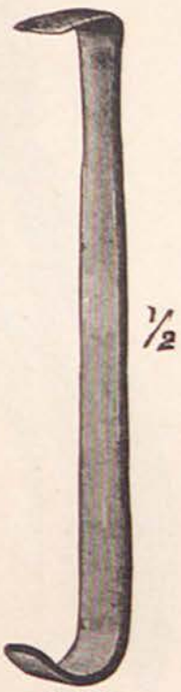
C–2390



C–2395



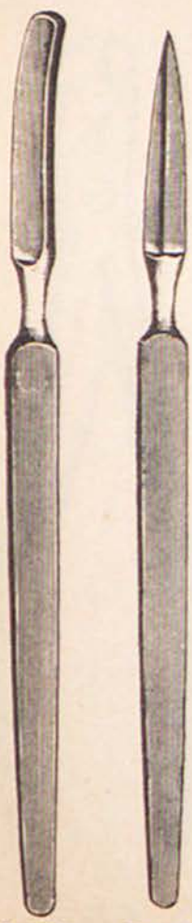
C–2400


C–2410


C–2411


C–2415


C–2416


C–2370

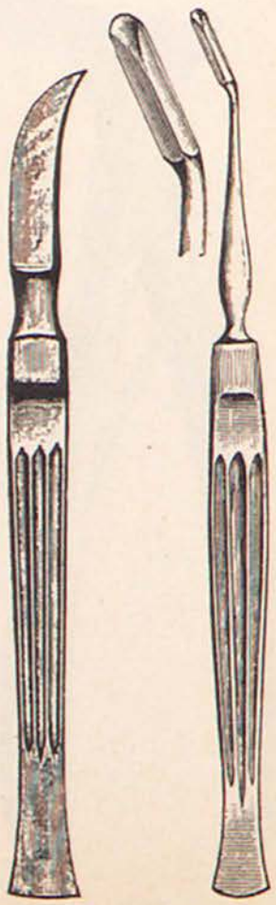
C–2371

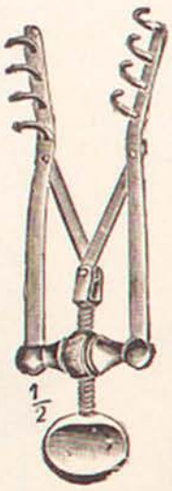

C–2366

Mastoid Instruments

Elevators, Knives, Pereosteotomes and Raspatories

*C–2365	Elevator, **Stacke's.**
C–2366	Guard, **Stacke's.**
C–2370	Knife, **Allport's,** convex edge.
C–2371	Knife, **Allport's,** double edge.
C–2375	Knife, **Buck's.**
C–2380	Knife, **Heath's,** meatal flap.
*C–2385	Knife, **Stacke's,** right and left.
C–2390	Pereosteotome, **Allport's.**
C–2395	Pereosteotome, **Andrew's.**
C–2400	Pereosteotome, **Ballenger's.**
*C–2405	Raspatory, **Buck's.**
C–2410	Raspatory, **Hartmann's,** straight.
C–2411	Raspatory, **Hartmann's,** convex.
C–2415	Raspatory, **Jansen's,** right angled.
C–2416	Raspatory, **Jansen's.**
*C–2420	Raspatory, **Trautmann's.**


C–2375 C–2380



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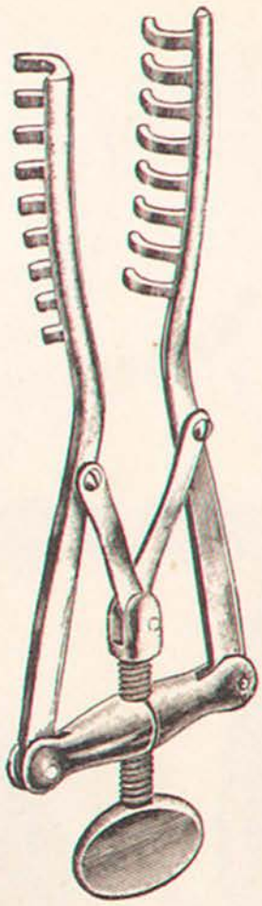

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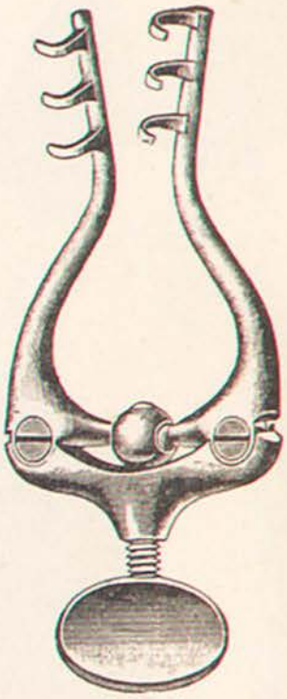
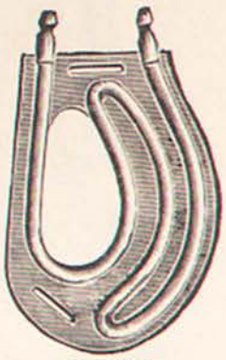


C–2445



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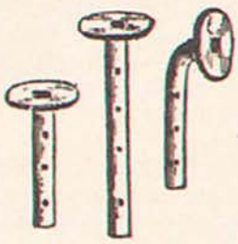
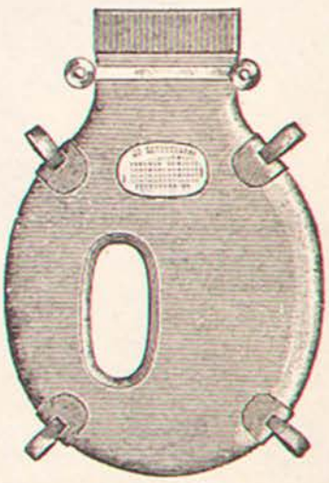


C–2460 C–2455

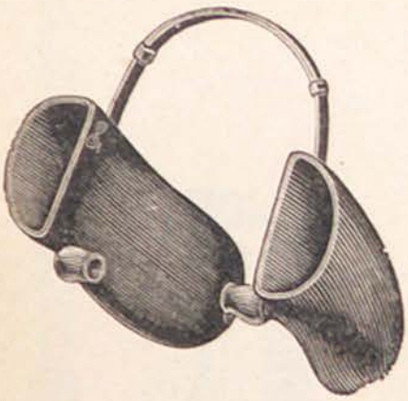


C-2475

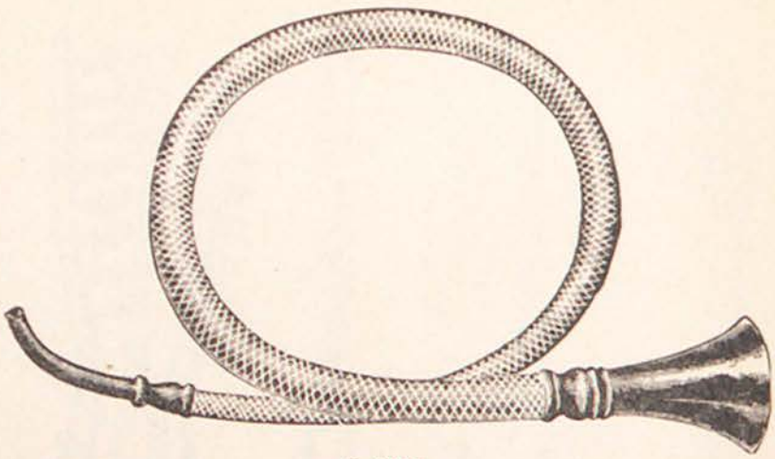
Mastoid Instruments

Retractors and Sundries

C–2430 Retractor, **Allport's,** steel, self-retaining.
*C–2435 Retractor, **Andrews',** steel, self-retaining.
C–2440 Retractor, **Burch-Allport's,** only one necessary for an operation.
C–2445 Retractor, **Jansen's,**
*C–2450 Retractor, **Vail's,** small, for babies.
C–2455 Drainage Tube, **Gruening's,** curved, silver.
C–2460 Drainage Tube, **Knapp's,** straight, silver.
C–2465 Cooling Coil, **Leiter's,** metal, for hot or cold water.
*C–2470 Ice Bag, **Bishop's,** soft rubber.
C–2475 Ice Bag, **Sprague's,** soft rubber.



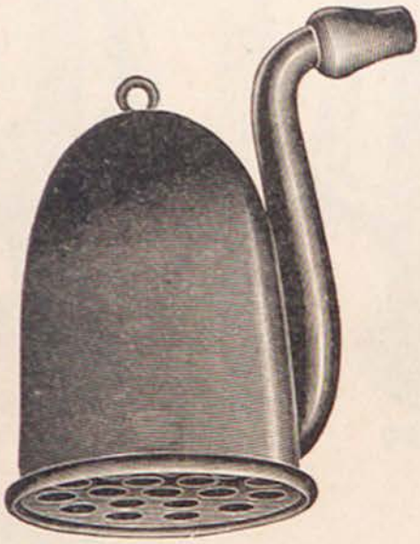
C–2505-2506



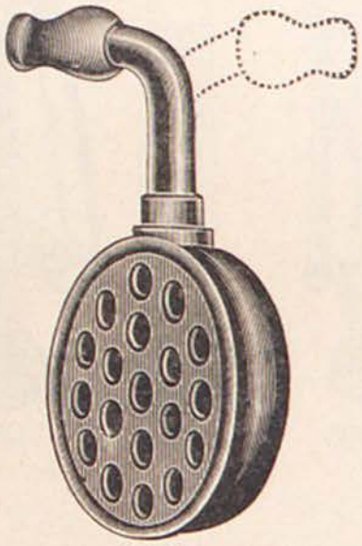
C–2511



C–2531



C–2555-2556



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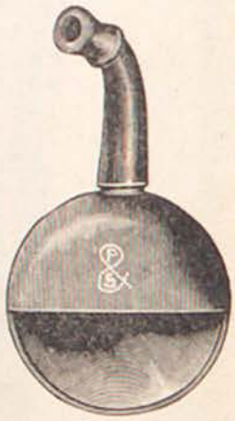
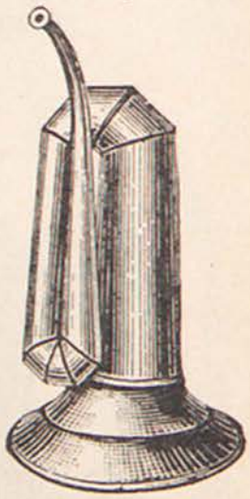


C–2545



C–2525

Ear Instruments

Hearing Devices

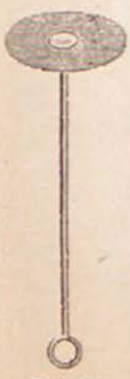
	*C–2500	Apparitor Auris, silver, enameled flesh color.
	*C–2501	Audiphone, hard rubber, fan shape.
	*C–2502	Audiphone, hard rubber, fan shape, folding.
	C–2505	Auricles, leather covered.
	C–2506	Auricles, silk covered.
	*C–2510	Conversation Tube, cylindrical, cotton or silk.
	C–2511	Conversation Tube, conical, cotton or silk.
	*C–2515	Cornets, **Clayton's,** celluloid, right and left.
	C–2520	Cornets, silver, oval.
	C–2521	Cornets, silver, round.
	C–2525	Ear Trumpet, bugle shape, tin, japanned, 3 sizes.
	*C–2530	Ear Trumpet, telescopic, hard rubber, 1 part.
	C–2531	Ear Trumpet, telescopic, hard rubber, 2 parts.
	*C–2532	Ear Trumpet, telescopic, hard rubber, 3 parts.
	*C–2535	Hearing Horn, **Clayton's,** celluloid, fan shape.
	*C–2540	Hearing Horn, double dome.
	C–2545	Hearing Horn, **Greene's,** tin, japanned, short or long tube.
	C–2550	Hearing Horn, "Little Giant," very powerful.
	C–2555	Hearing Horn, London, black finish, small, medium and large.
	C–2556	Hearing Horn, London, nickel finish, small, medium and large.
	*C–2560	Stetho-Clare, No. 1A, cylindrical, silk tube.
	C–2561	Stetho-Clare, No. 1, conical, silk tube.
	*C–2562	Stetho-Clare, No. 3, with two conical silk tubes and bells.
	*C–2563	Stetho-Clare, No. 2, for distance.
	C–2570	Tympanum, **Toynbee's,** artificial.



C–2520



C–2521



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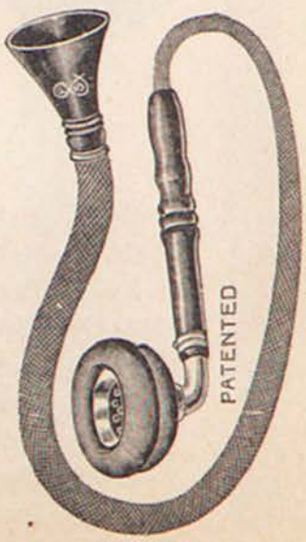

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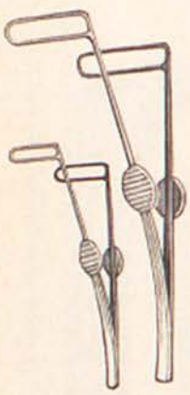
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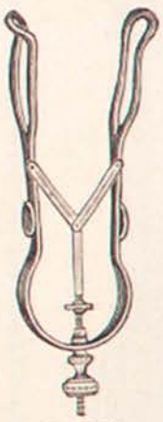
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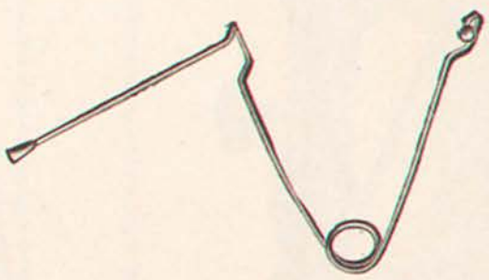
C–2615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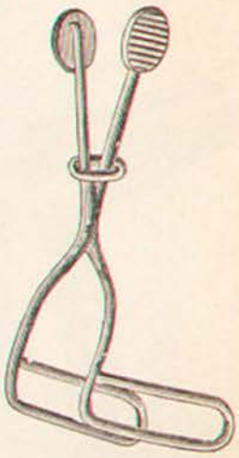
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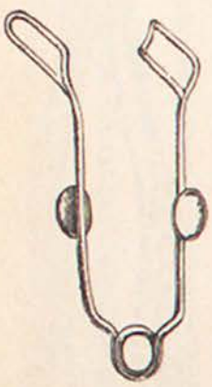
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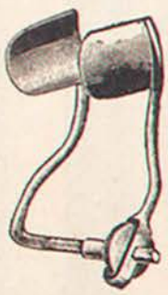
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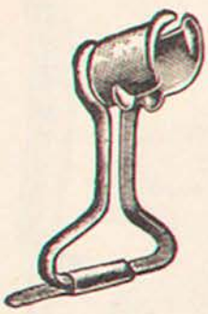
C–2650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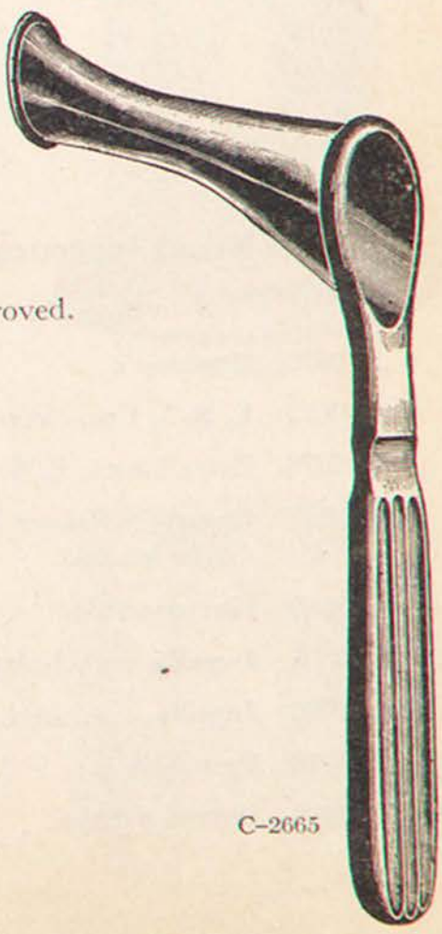
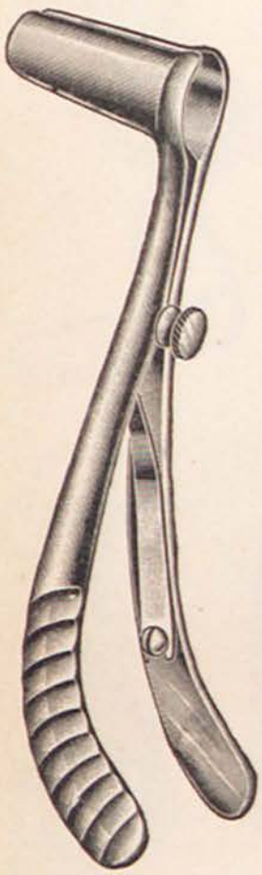
C–2660


C–2665

Nasal Instruments

Specula

*C–2600 **Beckman's.**
C–2605 **Bosworth's,** steel or brass, 2 sizes, improved.
*C–2606 **Bosworth's,** plain wire.
*C–2610 **Collin's.**
C–2615 **DeRoalde's.**
C–2620 **Fraenkel's,** improved, with spring.
C–2625 **Heffernan's,** right and left.
C–2630 **Jarvis'.**
C–2635 **Lublinski's.**
*C–2640 **Monosmith's.**
C–2645 **Muncaster's.**
C–2650 **Myles',** 3 sizes.
C–2655 **Ray's,** 2 sizes.
C–2660 **Thudicum's.**
C–2665 **Yankauer's,** naso pharyngeal.



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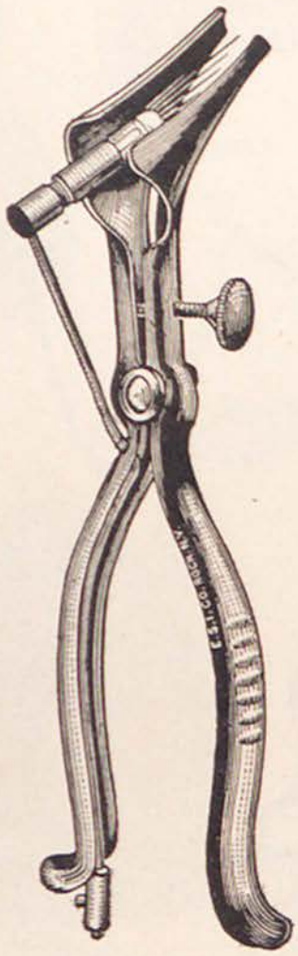

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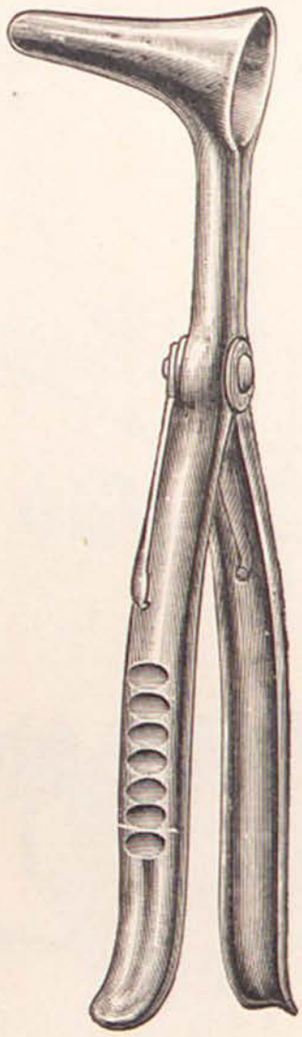

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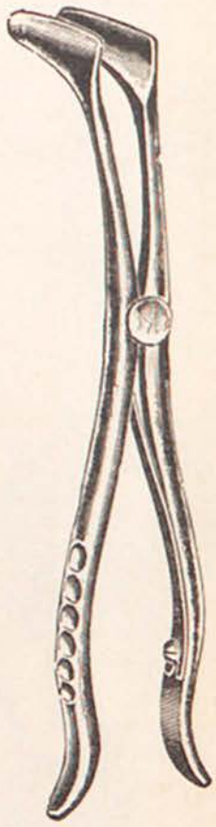


C–2685

Nasal Instruments

Specula

C–2670 **Coakley's.**

C–2675 **E. S. I. Co.,** electrically lighted.

C–2676 Extra lamps, **E. S. I. Co.,** No. 13.

C–2678 **Gerzog's-Reiner** Model, forged steel, thin blades.

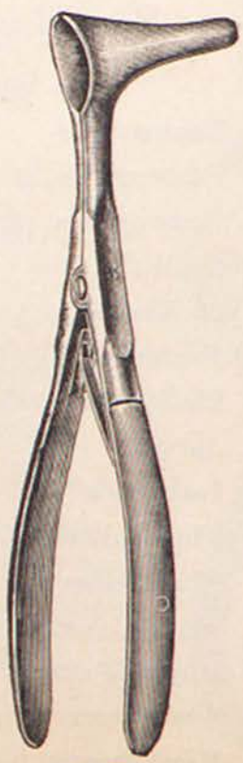
C–2680 **Hartmann's.**

C–2685 **Ingal's,** nickel-plated.

*C–2686 **Ingal's,** fine, steel.

C–2690 **Pynchon's.**

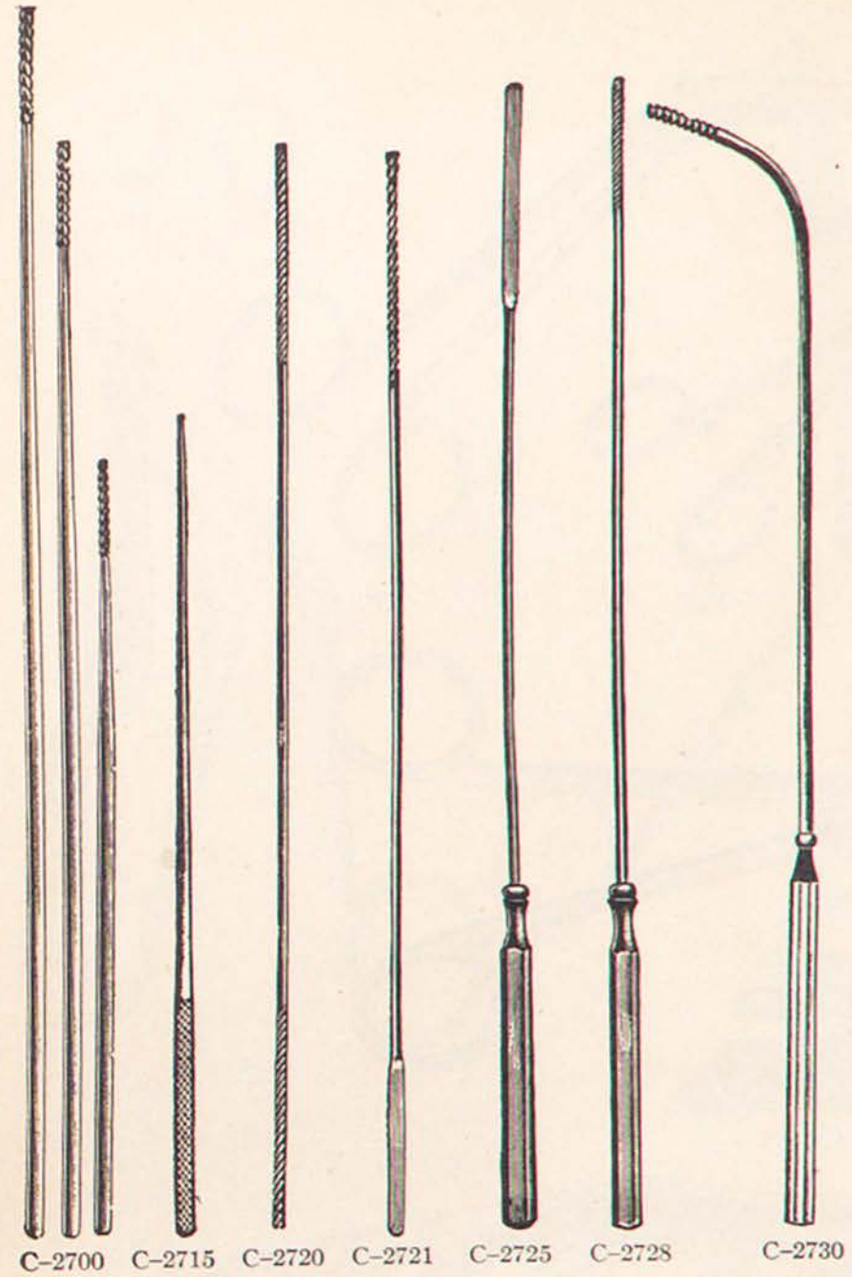
*C–2695 Vienna pattern.



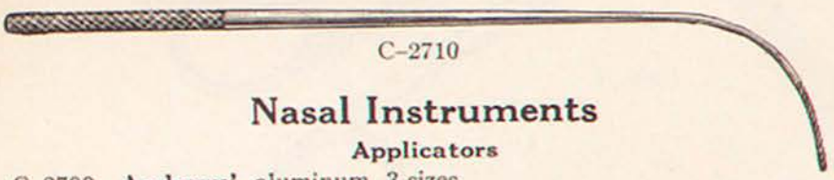
C–2678



C–2690



C–2700 C–2715 C–2720 C–2721 C–2725 C–2728 C–2730



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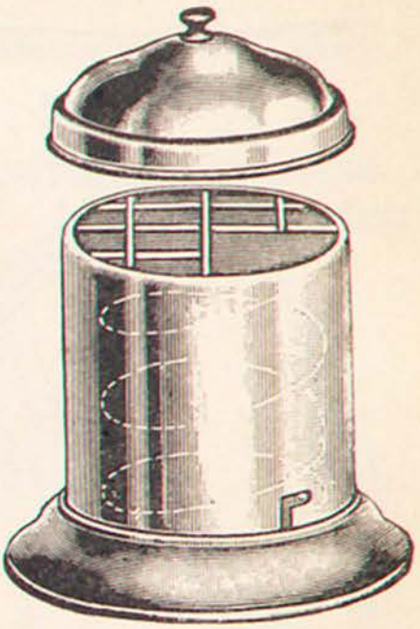

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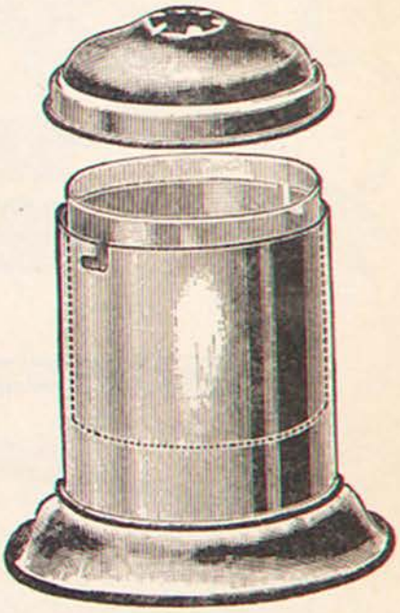

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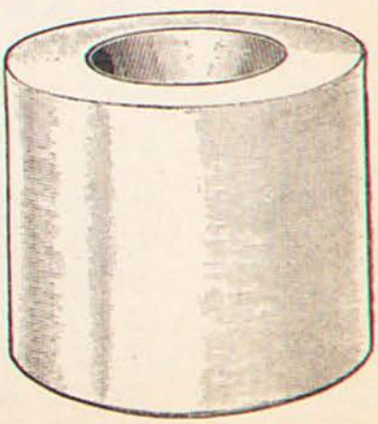


C–2760

Nasal Instruments

Applicators

C–2700 **Andrews',** aluminum, 3 sizes.
*C–2705 **Farlow's,** post nasal.
*C–2710 **Ivans',** all steel, pharyngeal.
C–2715 **Kyle's,** all steel.
C–2720 Plain, aluminum, 2 rough ends.
C–2721 Plain, aluminum, 1 flat and 1 rough end.
C–2725 Plain, with handle, flat end.
*C–2726 Plain, with handle, triangular end.
*C–2727 Plain, with handle, rough end.
C–2728 Plain, with handle, spiral end.
C–2730 Post Nasal, steel.
*C–2735 Tapering, 8 inches, spiral end, copper or aluminum.

Probes

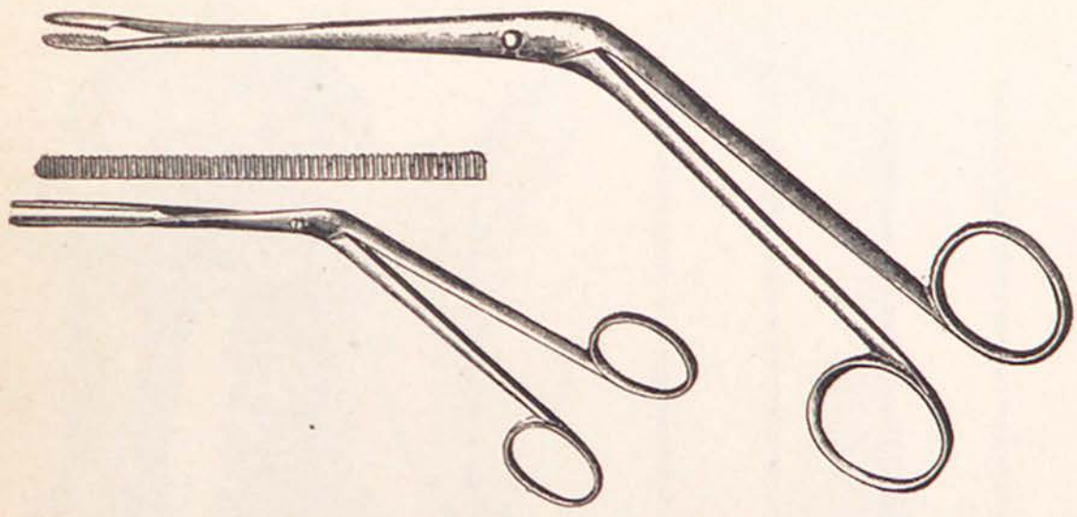
*C–2740 Angular, **Farlow's,** plated.
*C–2745 Plain, flexible, plated.

Reservoirs for Cotton

*C–2748 **Farrell's,** nickel-plated top, opal glass base.
C–2750 **Phillips'.**
*C–2751 **Phillips',** with waste trough.

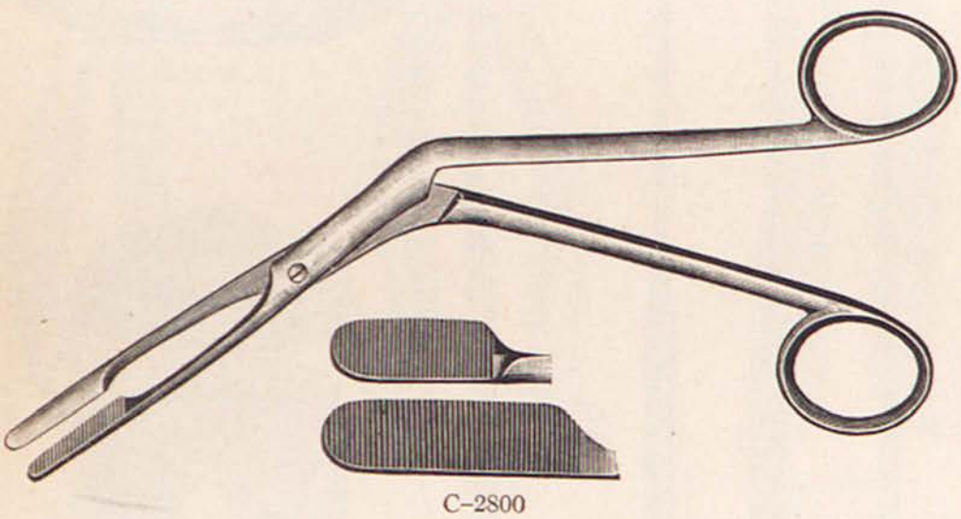
Reservoirs for Waste

C–2755 **Campbell's.**
*C–2758 **Farrell's** Waste Box, nickel-plated top, opal glass base.
C–2760 **Yankauer's** Cocaine Cup, porcelain.
*C–2765 **Dappen's** Solution Jars, crystal, amber, blue or green.



C–2810

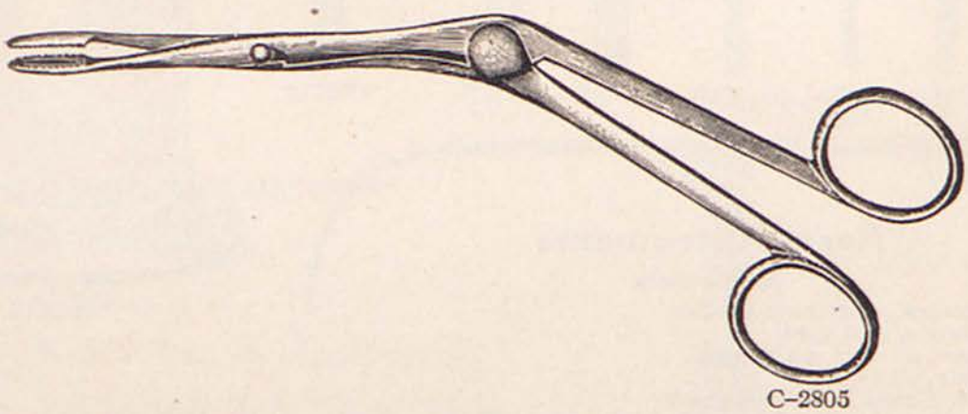
C–2790



C–2800



C–2795



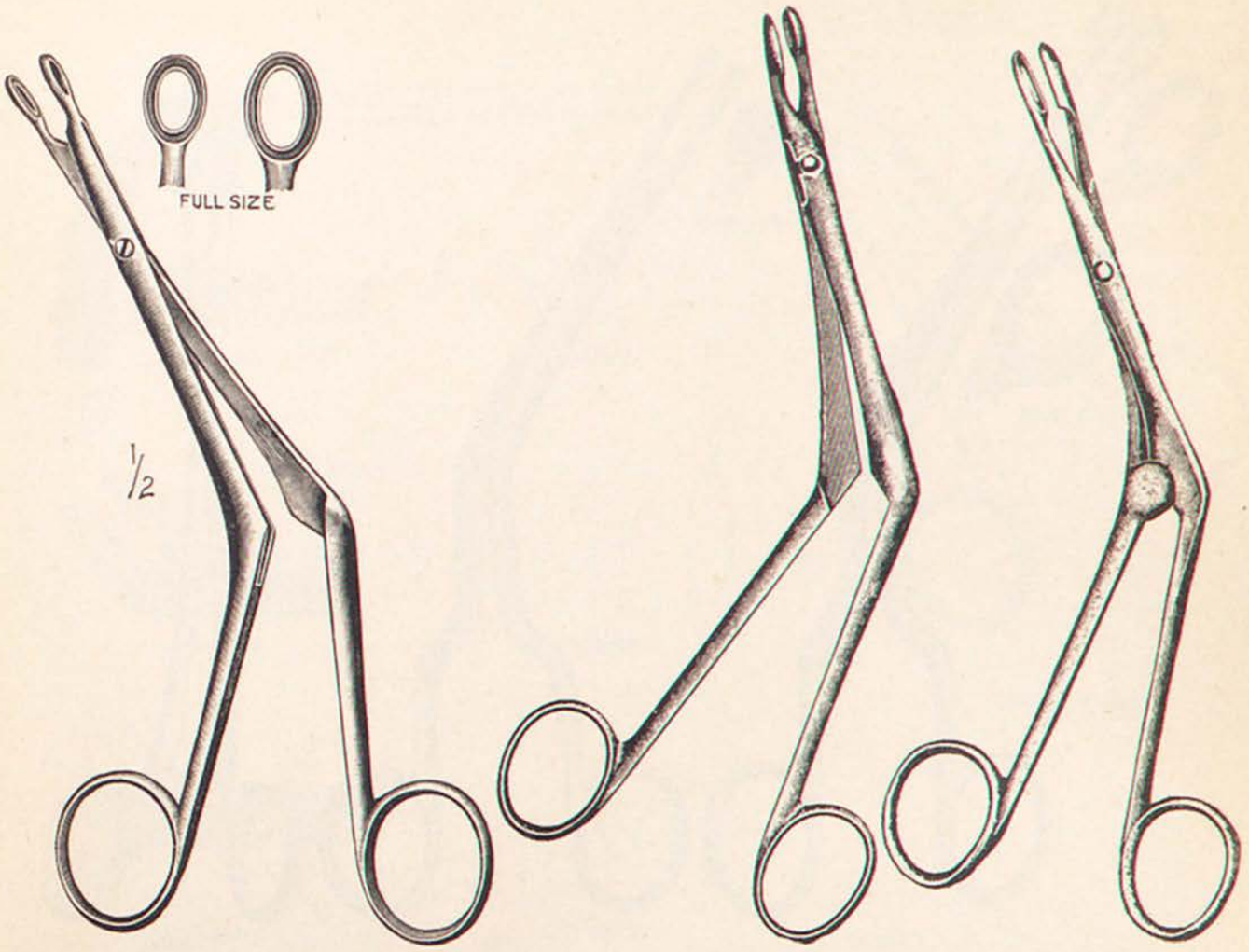
C–2805

Nasal Instruments

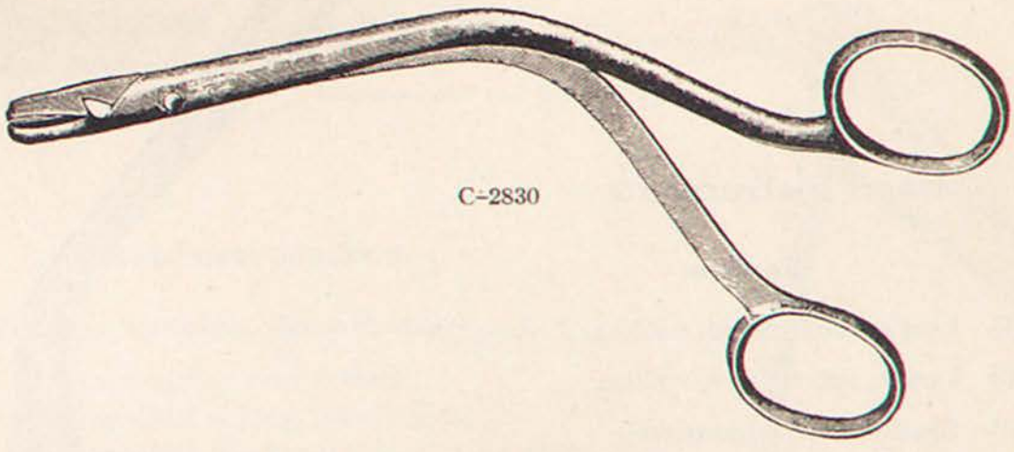
Nasal Forceps

Dressing and Polypus Forceps

*C–2780 **Duplay's,** polypus, curved.
*C–2785 **Gross',** polypus, curved.
C–2790 **Hartman's,** dressing.
C–2795 **Jansen's,** dressing.
C–2800 **Killian's,** septum compression, small and large.
C–2805 **Knight's,** polypus.
C–2810 **Musehold's,** dressing and tampon.



C–2815 C–2820 C–2825

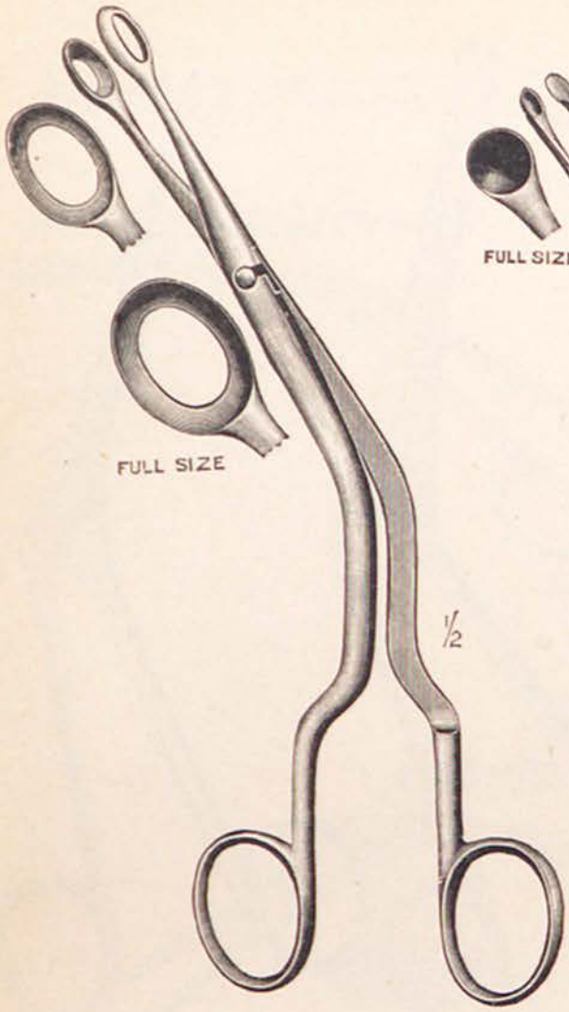


C–2830

Nasal Instruments

Forceps

C–2815 **Bruening's,** large and small.
C–2820 **Heymann's,** improved, cutting.
C–2825 **Knight's,** cutting.
C–2830 **Pynchon's,** cutting.



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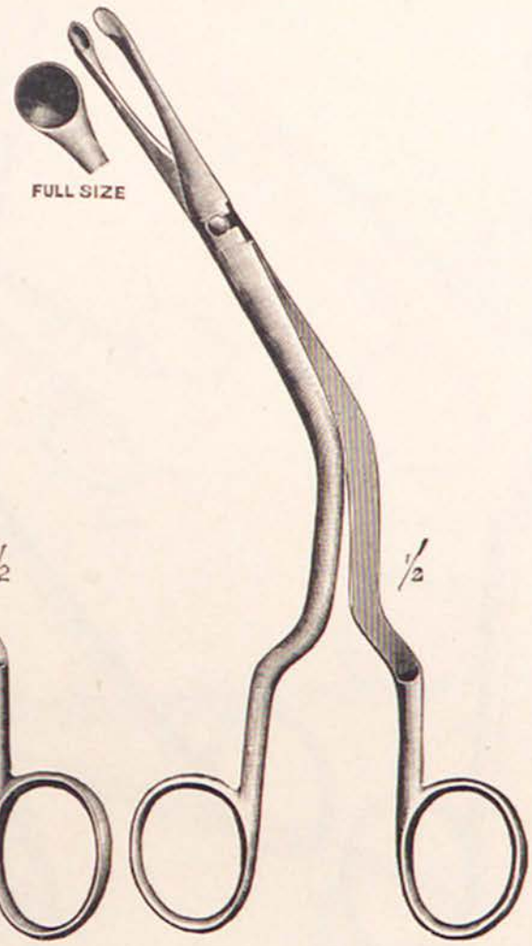
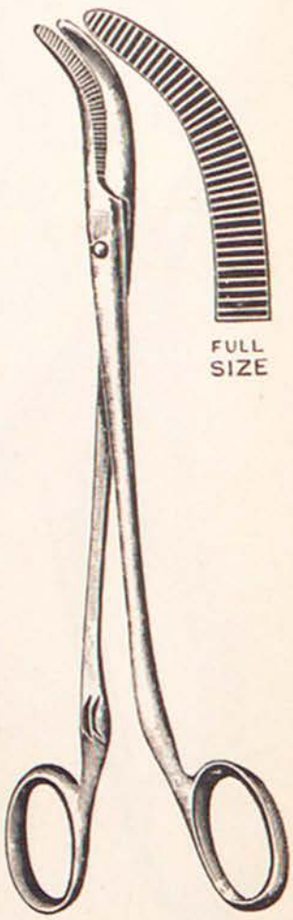


C–2840



C–2850

Nasal Instruments

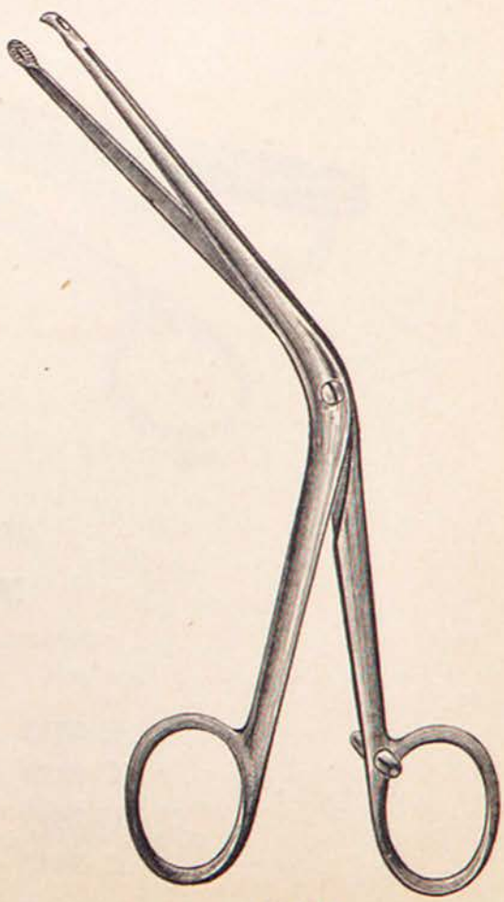
Forceps

C–2835 **Luc's,** fenestrated, cutting, 2 sizes.

C–2840 **Luc's,** spoon jaws, cutting.

C–2850 **Shallcross',** haemostatic.

C–2852 **Valle-Heath's,** dressing, new.



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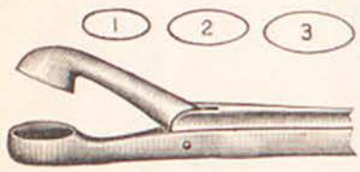

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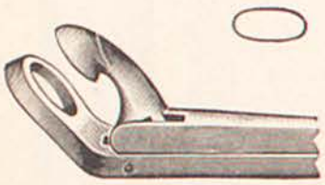
C–2855



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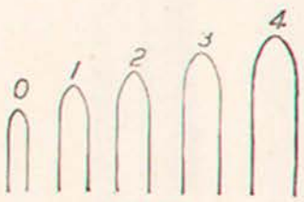
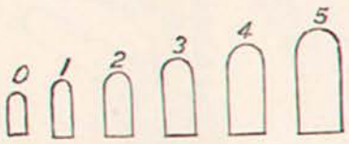


C–2860

C–2855-2860-2870



C–2869



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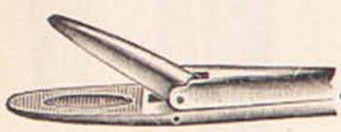
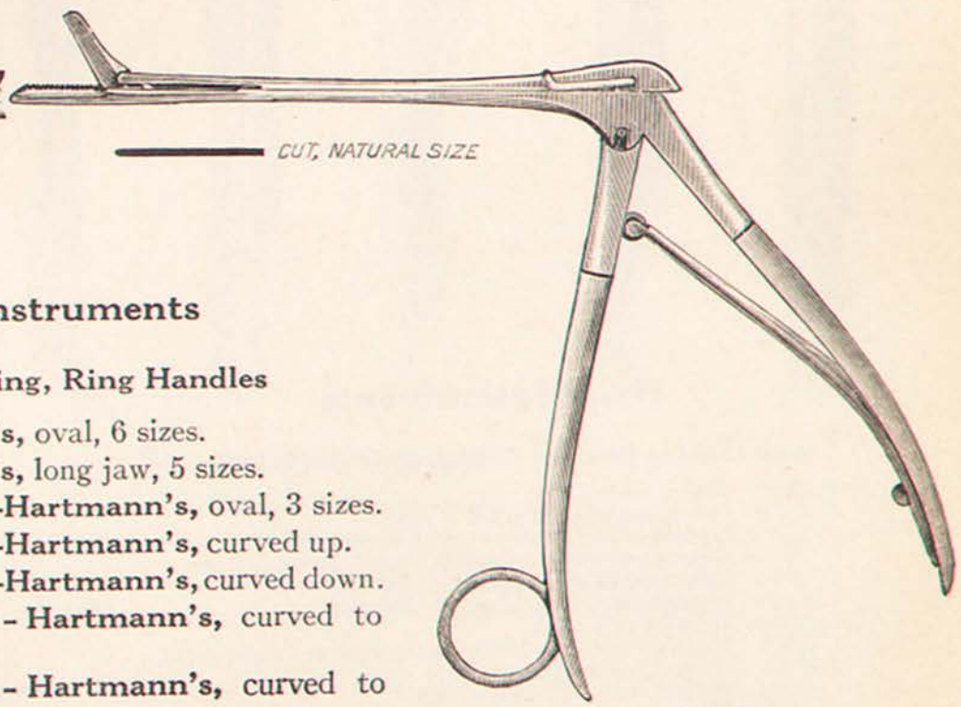


C–2875

CUT, NATURAL SIZE

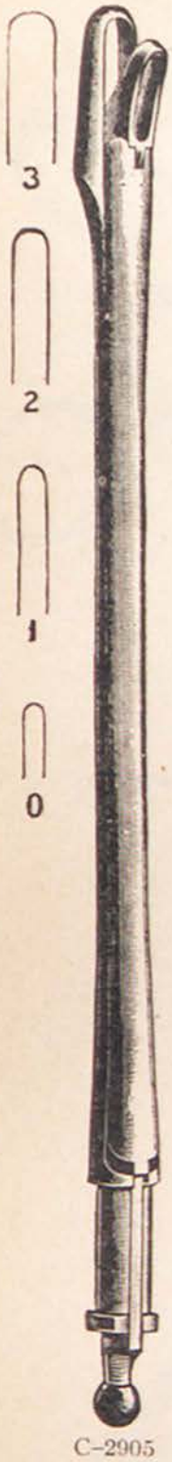


C–2876

Nasal Instruments

Forceps, Cutting, Ring Handles

C–2855 **Gruenwald's,** oval, 6 sizes.
C–2860 **Gruenwald's,** long jaw, 5 sizes.
C–2865 **Gruenwald-Hartmann's,** oval, 3 sizes.
C–2866 **Gruenwald-Hartmann's,** curved up.
*C–2867 **Gruenwald-Hartmann's,** curved down.
*C–2868 **Gruenwald - Hartmann's,** curved to right.
C–2869 **Gruenwald - Hartmann's,** curved to left.
C–2870 **Myles',** straight, 6 sizes.
*C–2871 **Myles',** curved up, ethmoid.
C–2875 **Noyes',** grasping, serrated jaw.
C–2876 **Struycken's,** latest.



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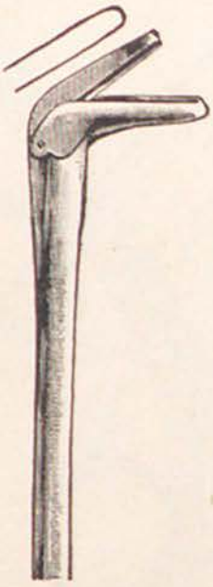

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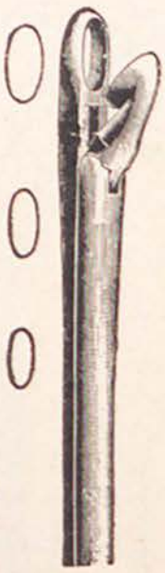

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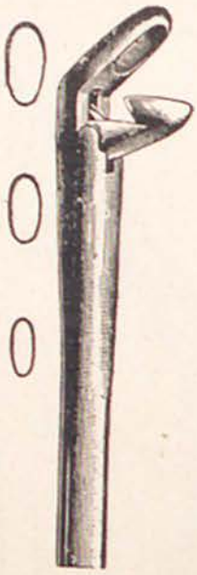
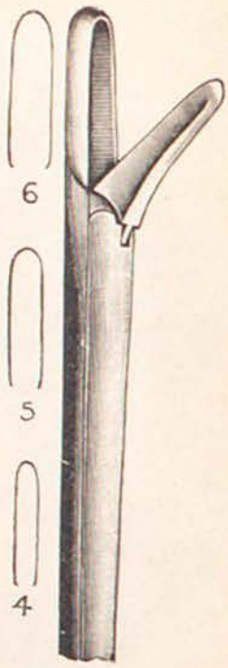


C–2886



C–2888



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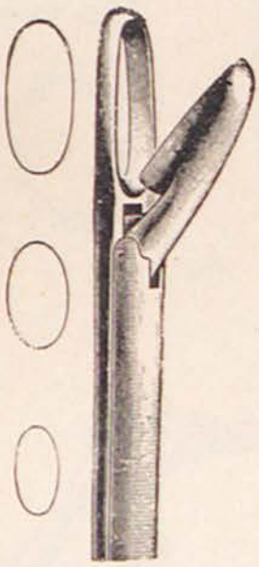


C–2895



C–2900



C–2906



C–2907



C–2910

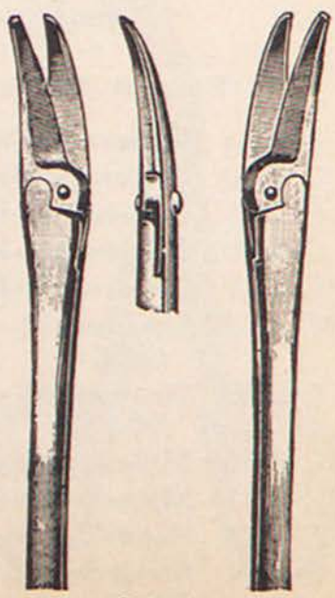
Nasal Instruments

Nasal Cutting Forceps—Fitting Universal Handle

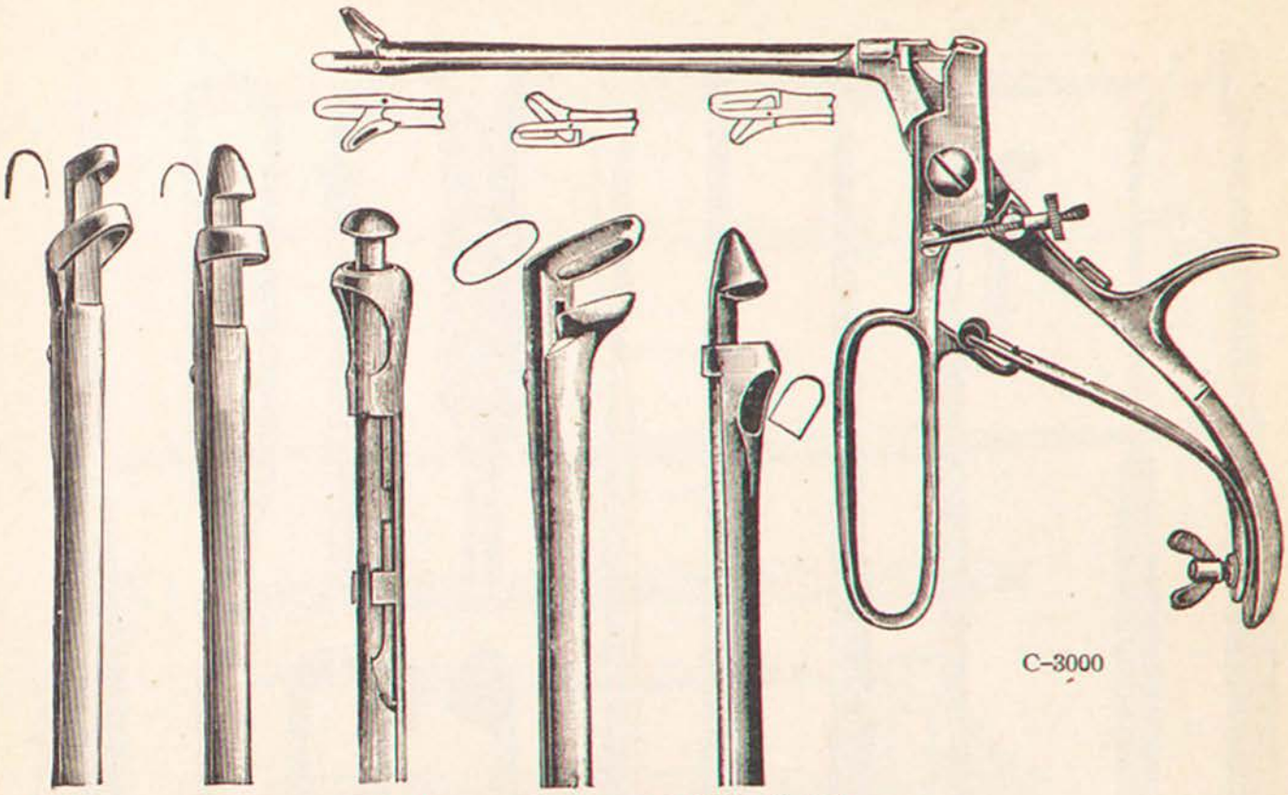
C–2880 **Fry's,** curved up.
C–2885 **Gruenwald's,** straight, 3 sizes.
C–2886 **Gruenwald's,** curved up or down, reversible.
C–2888 **Gruenwald-Kuemmel's,** curved right and left.
C–2890 **Gruenwald-Struycken's,** 3 sizes.
C–2895 **Hartman's,** oval, straight, 3 sizes.
C–2900 **Lermoyez's.**
C–2905 **Myles',** straight, 4 sizes.
C–2906 **Myles',** curved up, 1 size.
C–2907 **Myles',** curved, right or left.
C–2910 **Struycken's,** cutting, straight.

Nasal Scissors

*C–2915 **Hartman's,** straight.
*C–2920 **Holmes',** straight.
C–2921 **Holmes',** curved.
*C–2925 **Watson's,** angular.

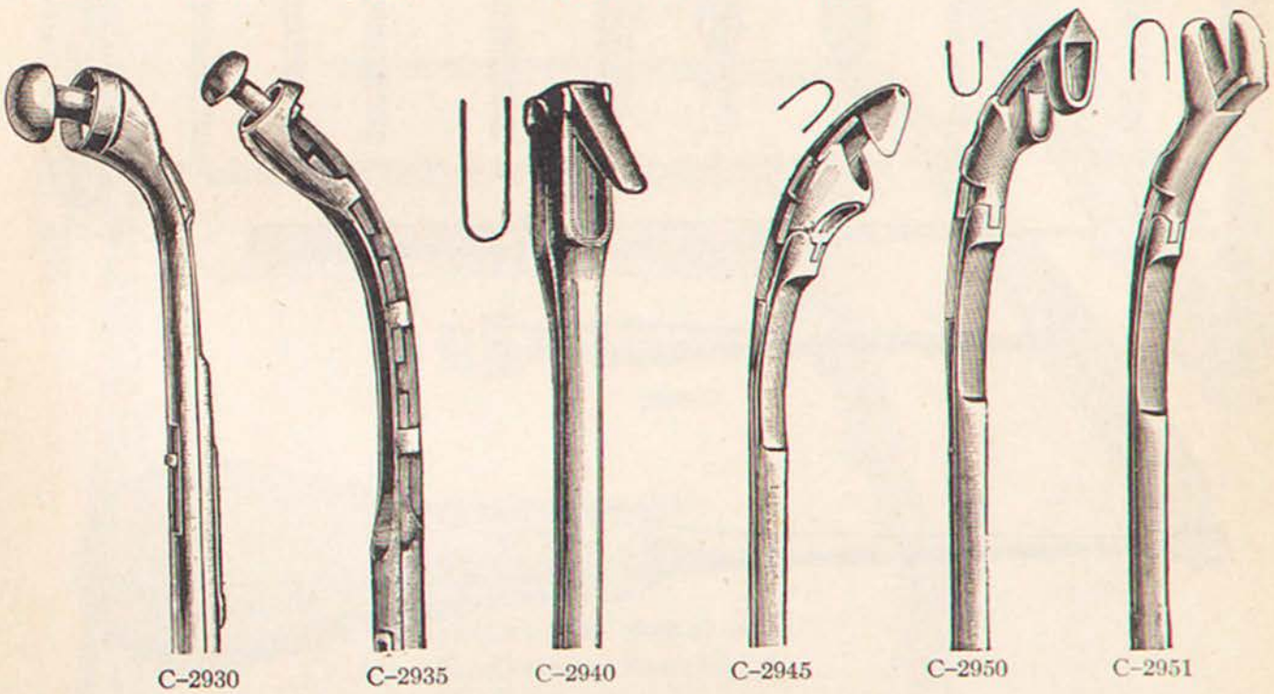


C–2921



C-3000

C-2960 C-2965 C-2970 C-2975 C-2990—C-2995



C-2930 C-2935 C-2940 C-2945 C-2950 C-2951

Nasal Instruments

Punches Fitting Universal Handle

Antrum

C-2930 **Anderson's.**
C-2935 **Fletcher's.**
C-2940 **Ostrom's,** straight, reversible.
C-2945 **Speiss',** curved.
C-2950 **Wagner's,** cutting forward.
C-2951 **Wagner's,** cutting backward.

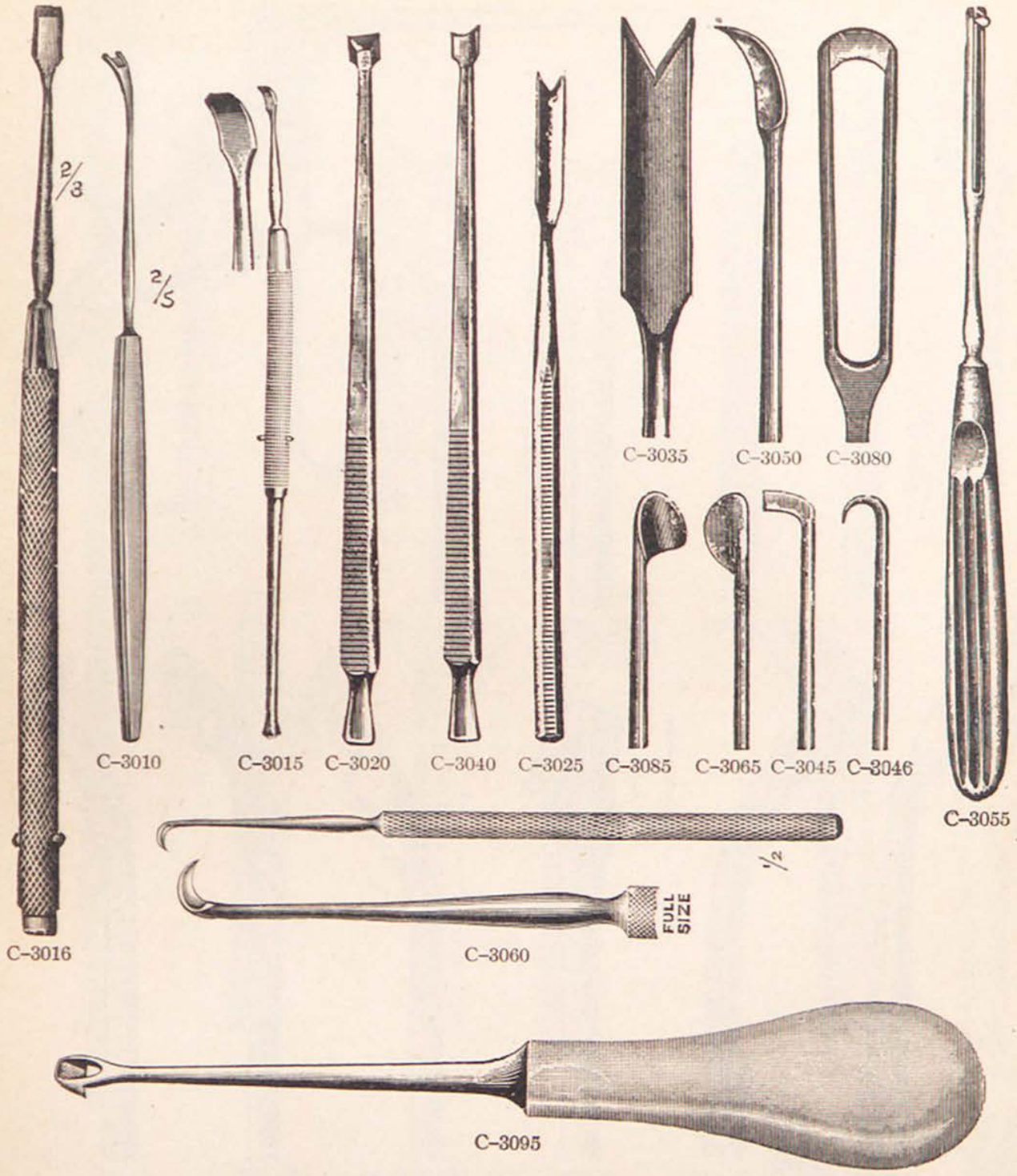
Ethmoid and Sphenoid

*C-2955 **Anderson's,** sphenoidal.
C-2960 **Cordes',** ethmoid.
C-2965 **Cordes',** sphenoid.
C-2970 **Fletcher's,** ethmoid and sphenoid.
C-2975 **Gruenwald's,** ethmoid, reversible.
*C-2980 **Lange's,** ethmoid, curved.
*C-2985 **Lange's,** curved, with probe point.
C-2990 **Schmithuisen's,** ethmoid and sphenoid, 4½ inches.
C-2995 **Schmithuisen's,** ethmoid and sphenoid, 6¼ inches.

NOTE—Prices quoted are for punches only. Handle extra.

Universal Handle

C-3000 Handle, fitting any of the punches listed above.



Nasal Instruments

Chisels, Gouges, Curettes, Knives, Hooks, Etc.

C-3010 Chisel, **Andrews',** turbinated.
C-3015 Chisel, **Freer's,** curved, submucous septum.
C-3016 Chisel, **Freer's,** straight, submucous septum.
C-3020 Chisel, **White's.**
C-3025 Gouge, **Ballenger's,** V-shape.
*C-3030 Gouge, **Freer's,** 2 sizes.
C-3035 Gouge, **Hajek's,** 3 sizes.
C-3040 Gouge, **White's,**
C-3045 Hook, **Hajek's,** flat, sharp.
C-3046 Hook, **Hajek's,** sharp pointed.
C-3050 Knife, **Allen's,** septum.
C-3055 Knife, **Ballenger's,** swivel, septum, 2 sizes.
C-3060 Knife, **Dean's,** turbinate, right and left.
C-3065 Knife, **Ingal's,** septum.
*C-3070 Knife, **Killian's,** exostosis.
*C-3075 Knife, **Kyle's,** septum.
C-3080 Knife, **Nichol's,** spoke shave, with 1 blade.
C-3085 Knife, **Schultz's,** spoke shave, right and left.
*C-3090 Knife, **Sluder's,** turbinate, set of 2, right and left, with 1 handle.
C-3095 Shave, **Burrell's,** submucous septum.



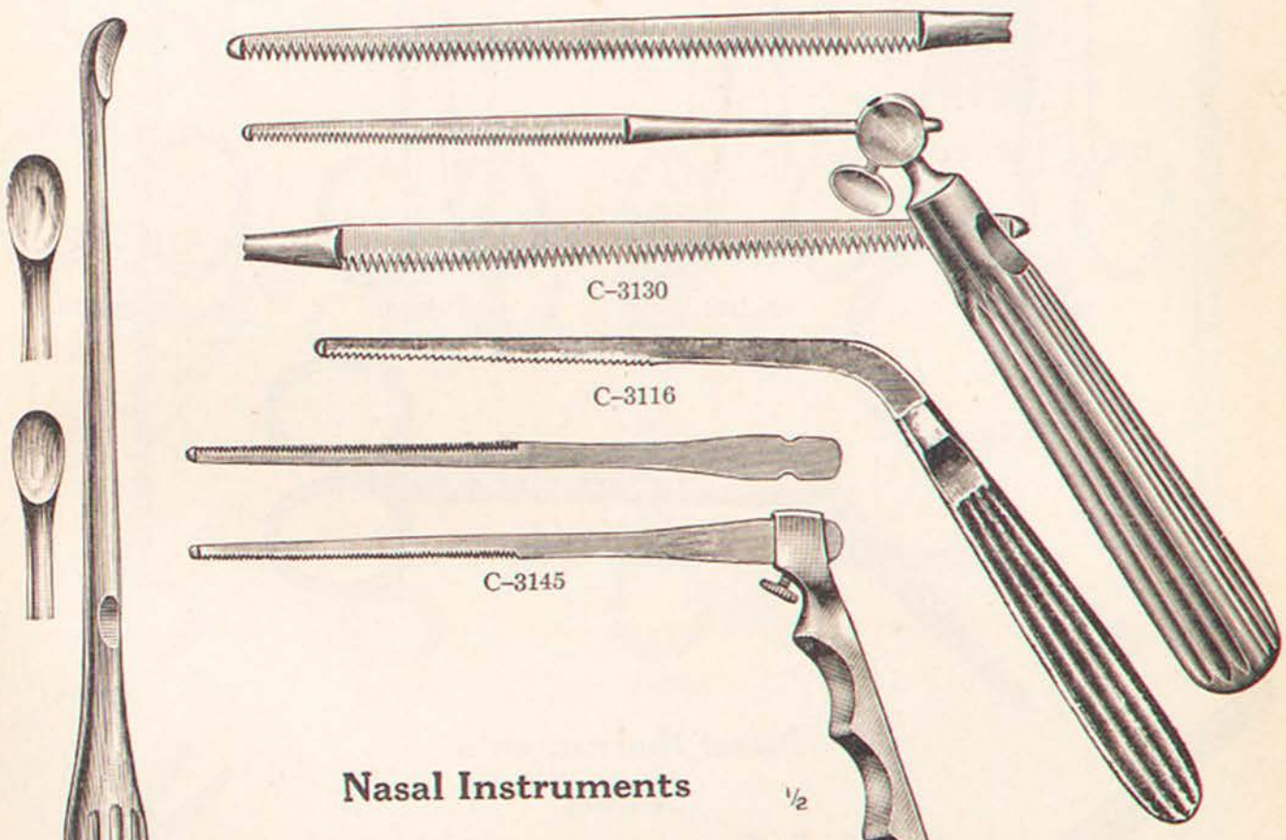
C–3101



C–3100



C–3110



C–3130

C–3116

C–3145

C–3105

Nasal Instruments

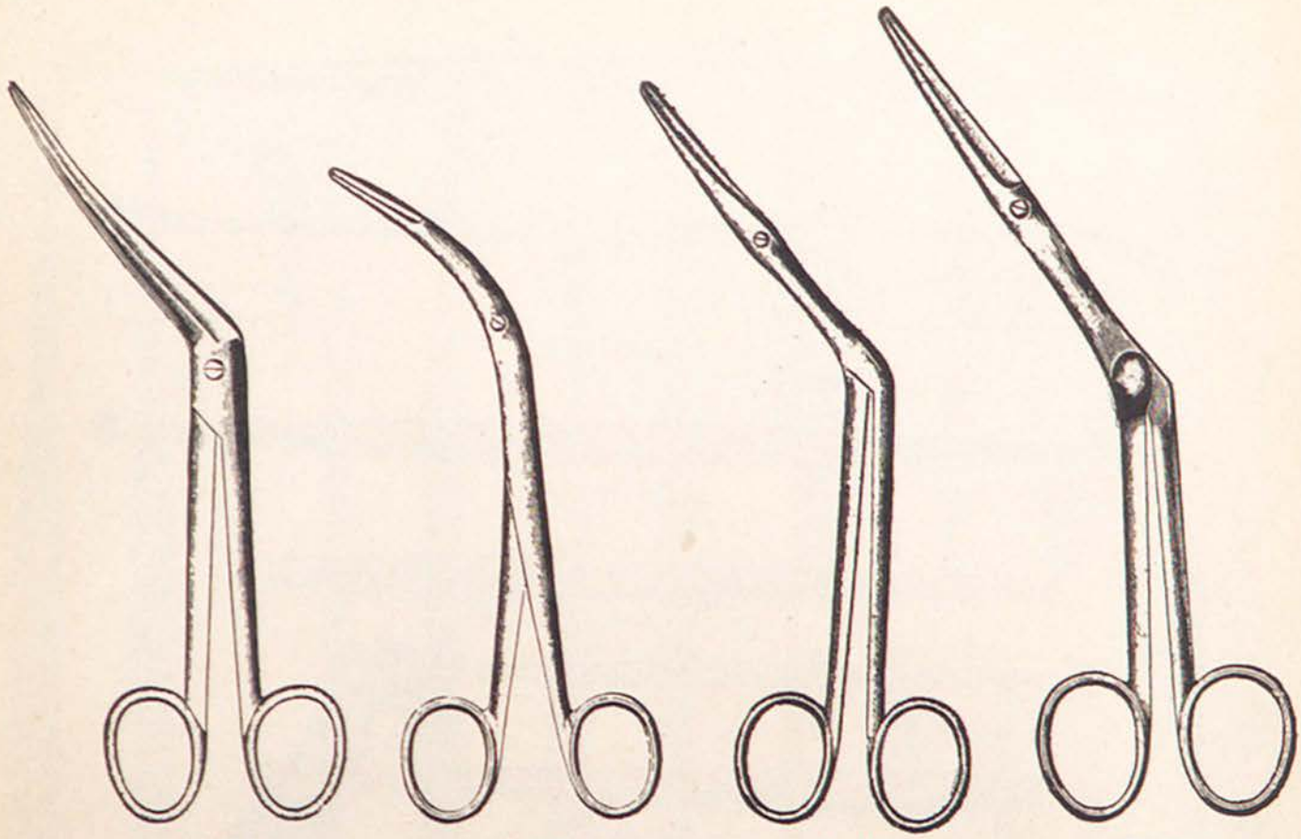
½

Curettes

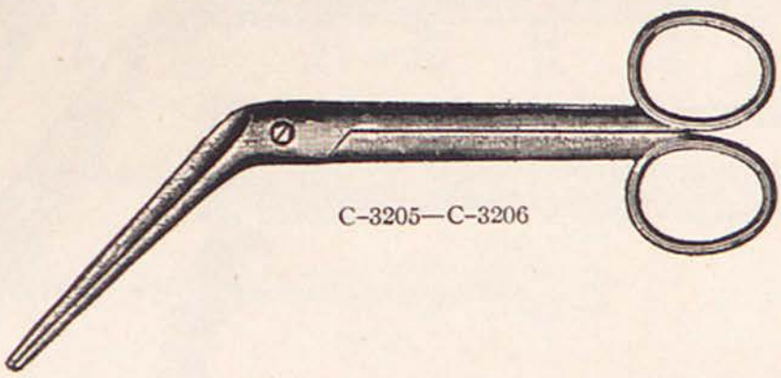
C–3100 **Faulkner's,** frontal sinus.
C–3101 **Faulkner's,** ethmoid.
C–3105 **Mosher's,** sinus.
C–3110 **Schaeffer's,** graduated.

Saws

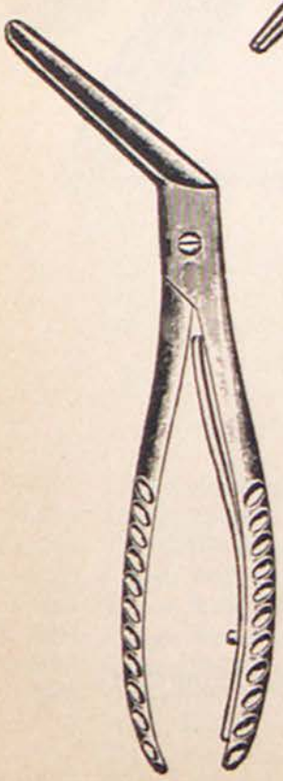
*C–3115 **Bosworth's,** straight.
C–3116 **Bosworth's,** angular, up and down.
*C–3120 **Bucklin's,** set of 2 blades.
*C–3125 **Curtis',** straight, thin blade.
C–3130 **Hall's,** set of 2 blades, bevel edged.
*C–3135 **Holmes',** thin blade, with straight or back cutting teeth.
*C–3140 **Kyles',** horizontal and vertical.
C–3145 **McAuliff's,** set of 2 blades, bevel edged.
*C–3150 **Robertson's,** up and down.



C–3160 C–3161 **C–3180** **C–3195**



C–3205—C–3206

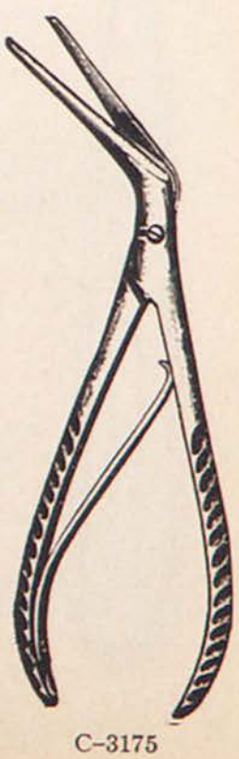


C–3190

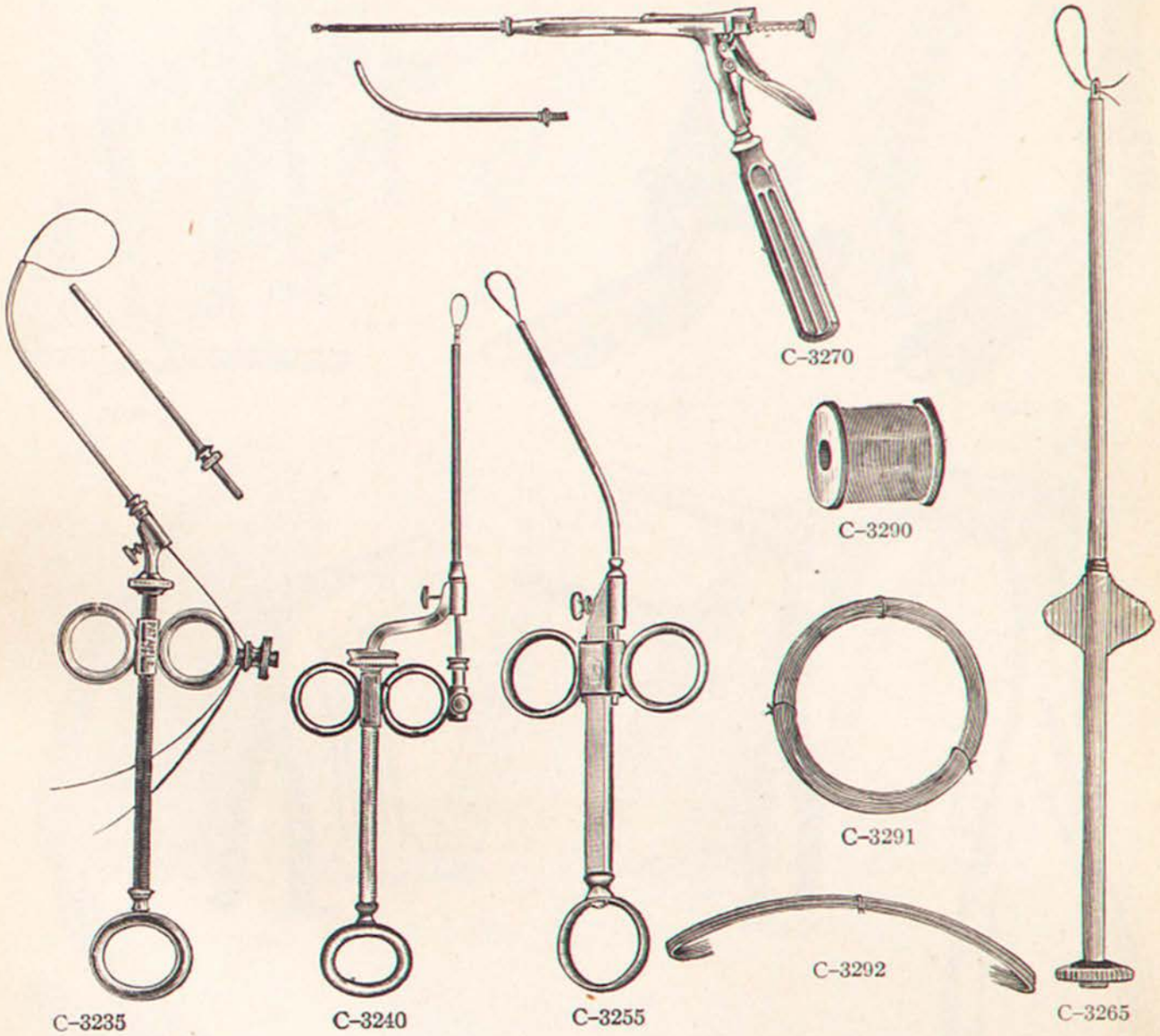
Nasal Instruments

Scissors

C–3160 **Beckman's,** for upper turbinates.
C–3161 **Beckman's,** for middle turbinates.
*C–3165 **Casselberry's,** serrated edges.
*C–3170 **Gruenwald's,** alligator action.
C–3175 **Herzfeld's,** forceps handle, small.
C–3180 **Heymann's.**
*C–3185 **Holmes',** latest, straight, right and left.
C–3190 **Jackson's,** turbinatome.
*C–3191 **Jackson's,** turbinatome, saw edge.
C–3195 **Knight's.**
*C–3200 **Mueller's,** Vienna pattern, sliding blade.
C–3205 **Seiler's,** regular pattern.
C–3206 **Seiler's,** heavy pattern.
*C–3210 **Thompson's,** turbinatome, saw edge.
*C–3215 **Watson's.**



C–3175



Nasal Instruments

Snares

*C-3230 **Baker's.**
C-3235 **Bosworth's,** improved, seamless steel tips.
C-3240 **Douglass'.**
*C-3245 **Duffee's.**
*C-3250 **Jarvis',** straight.
C-3255 **Krause's.**
*C-3260 **Martin's.**
C-3265 **Sajou's,** original.
C-3270 **Wright's,** 2 tips.
*C-3275 **Wright's,** 2 tips, folding handle.

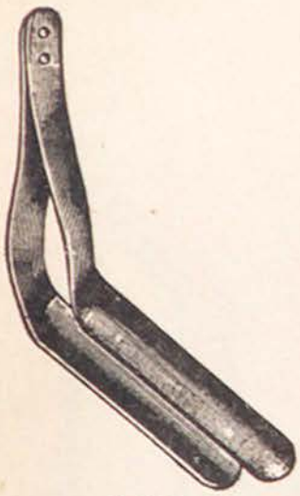
Snare Wire

C-3290 Snare Wire, on spools, sizes 1 to 5.

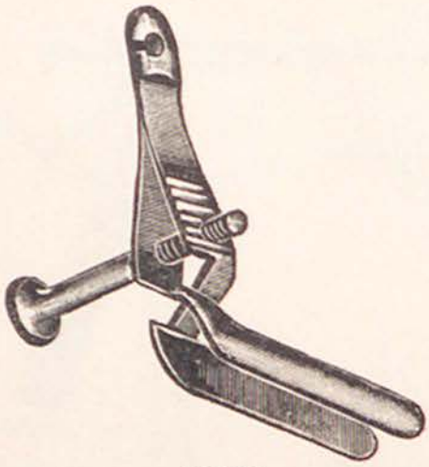
C-3291 Snare Wire, in ¼-lb. coils, sizes 1 to 5.

C-3292 Snare Wire, cut ready for use with stylet, sizes 1 to 5, 12 in package.

*C-3295 **Yankauer's** Wire Loops, for nasal snares.



C–3300



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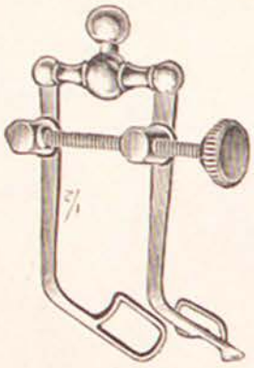
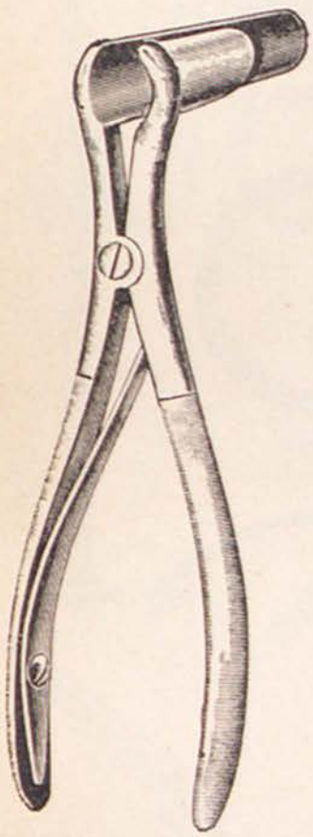


C–3305

C–3310



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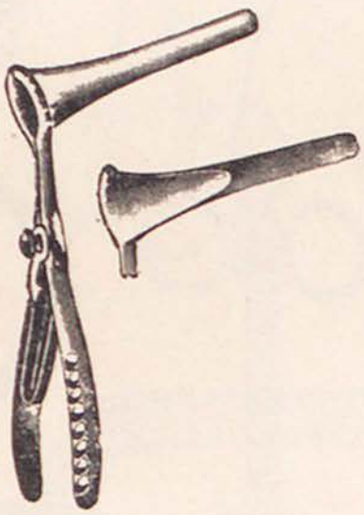
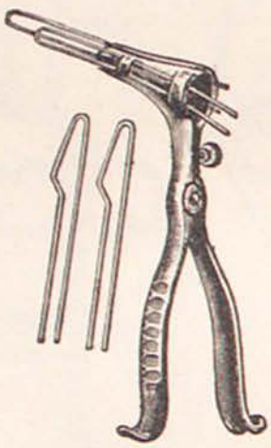
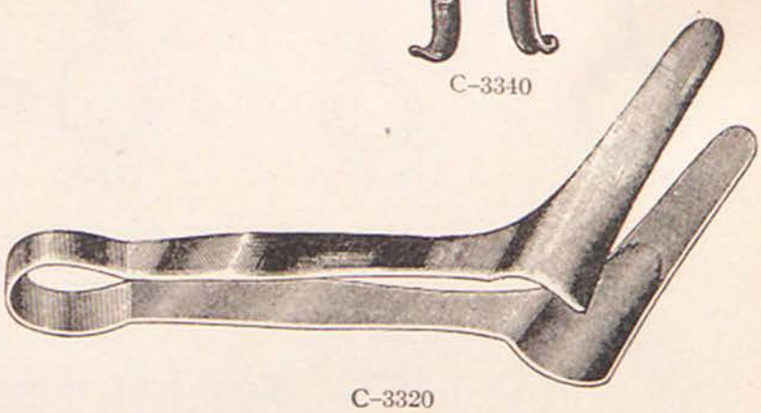


C–3330



C–3340

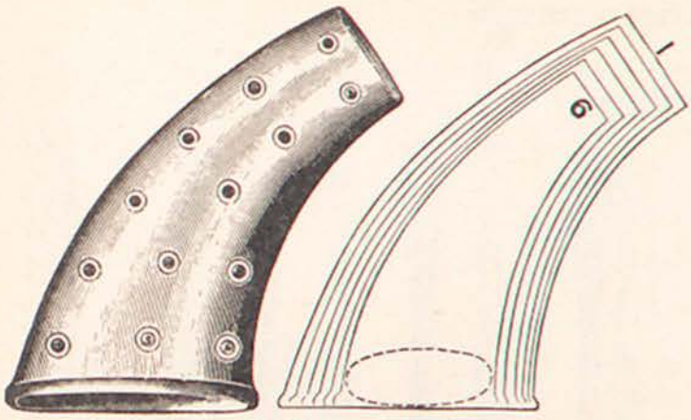


C–3320

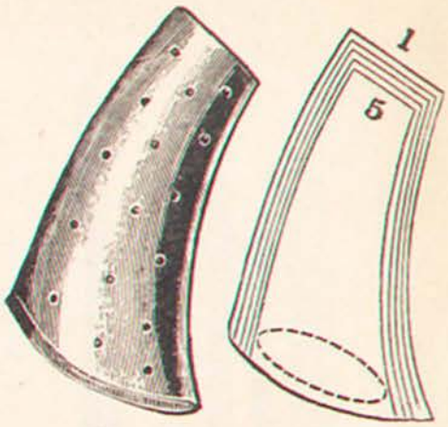
Nasal Instruments

Speculums for Submucous Resections

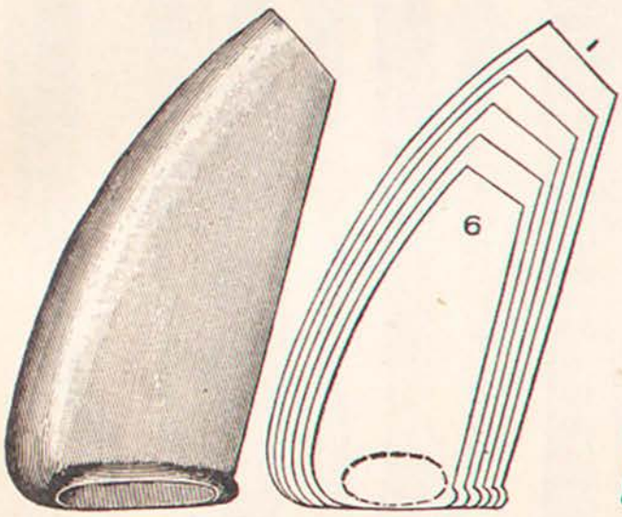
C–3300 **Ballenger's.**
C–3305 **Beck's,** self-retaining, to be used with head band.
C–3306 **Beck's,** nasal clamp, septum.
C–3310 **Carter's,** steel.
*C–3315 **Goldstein's,** mucosa.
C–3320 **Good's,** self-retaining.
C–3325 **Hurd's,** one long and one short blade, steel.
C–3330 **Killian's,** latest, made of tempered steel, very thin blades, 3 sizes, 2, 2½ and 3 inches long.
*C–3335 **Metzenbaum's.**
C–3340 **Mosher's,** with 2 sets of wire blades.
*C–3345 **Murphy's,** latest model.
*C–3350 **Patton's,** all steel, 2 sizes, 1 and 2-inch blades.



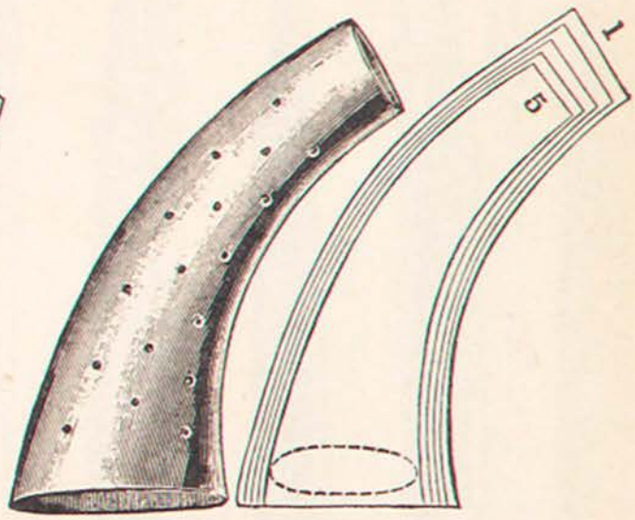
C–3380



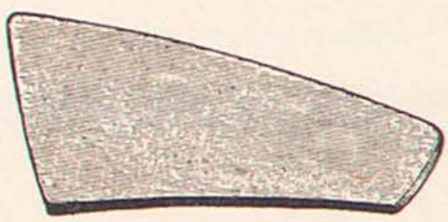
C–3376



C–3385



C–3375



C–3390

Nasal Instruments

Septum Splints

*C–3360 **Ash's,** hard rubber, 5 sizes.

*C–3365 **Carter's,** bridge splint.

*C–3370 **Farrell's,** metal, 6 sizes.

C–3375 **Kyle's,** metal, long, 5 sizes, plain or perforated.

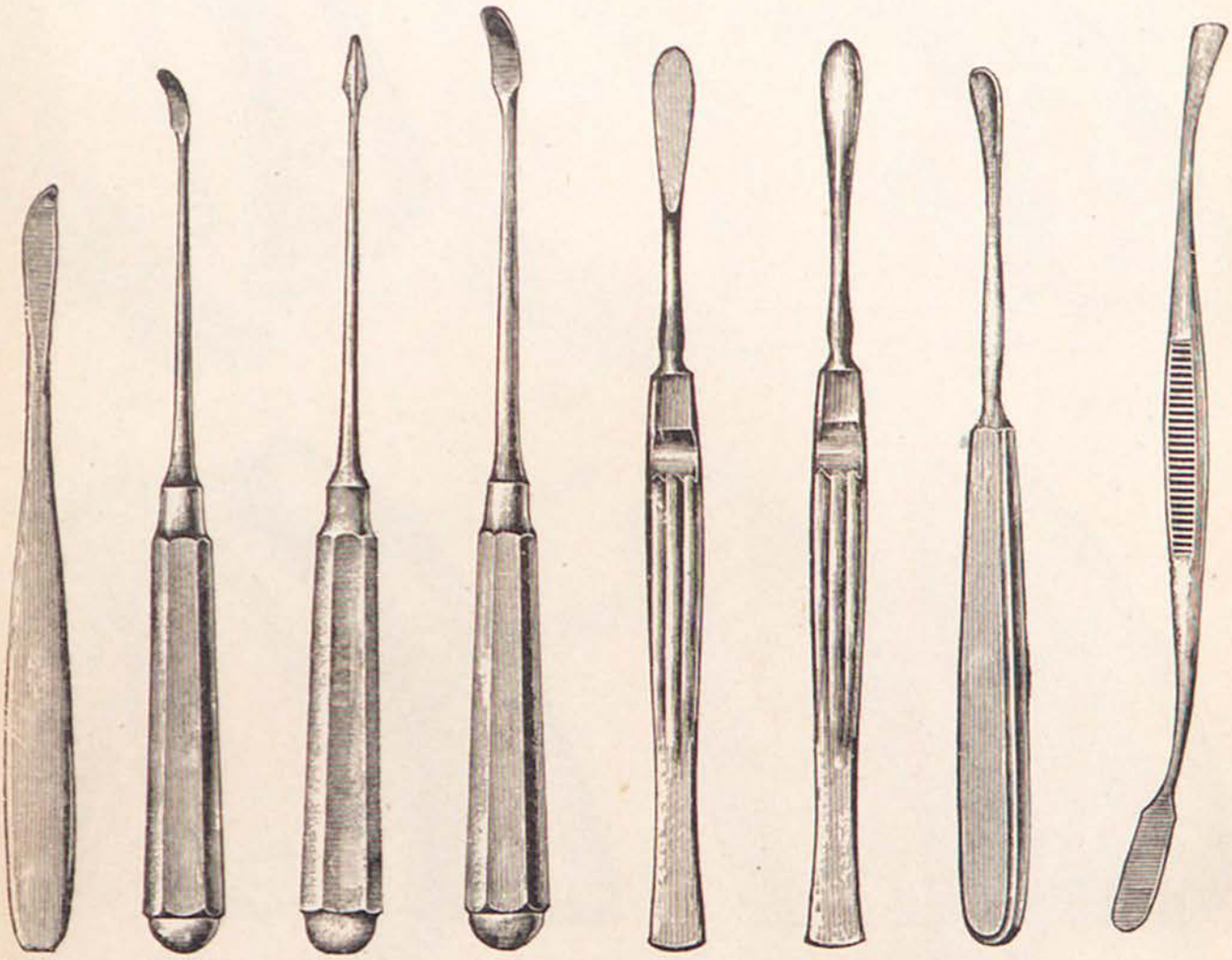
C–3376 **Kyle's,** metal, short, 5 sizes, plain or perforated.

C–3380 **Mayer's,** hard rubber, 6 sizes.

C–3385 **McKernon's,** hard rubber, 6 sizes, improved pattern.

C–3390 **Simpson's,** tampons, 4 dozen in box.

Nasal Instruments



C-3405 C-3400 C-3402 C-3401 C-3410 C-3411 C-3470 C-3460



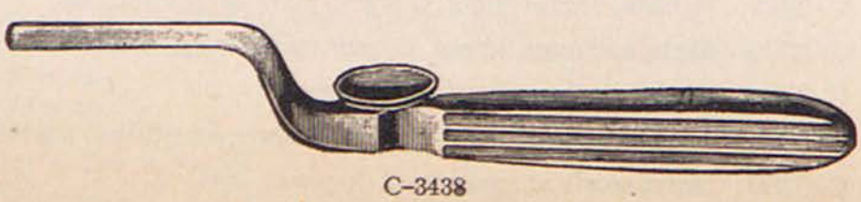
C-3422



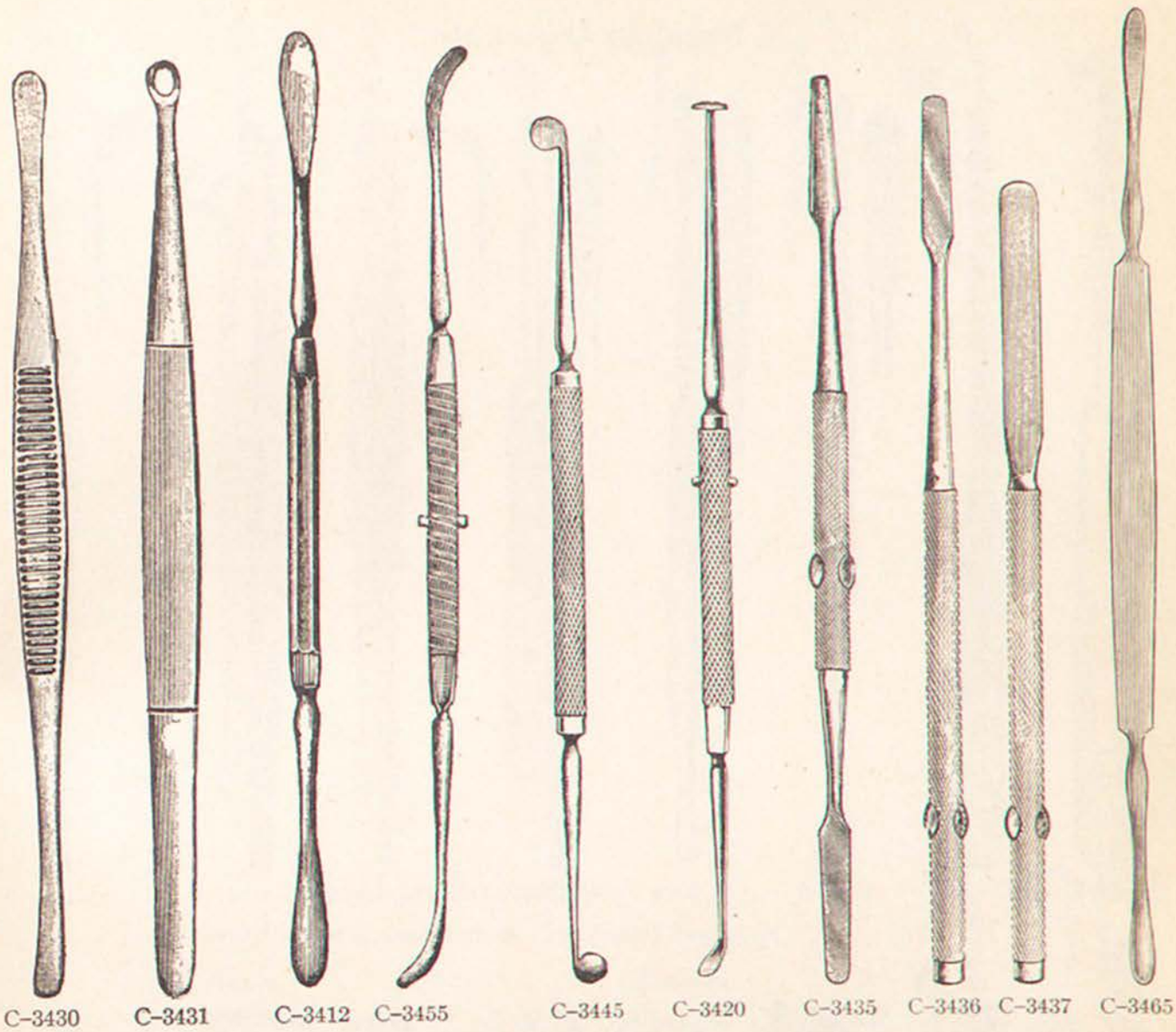
C-3450



C-3471



C-3438



C–3430 C–3431 C–3412 C–3455 C–3445 C–3420 C–3435 C–3436 C–3437 C–3465

Nasal Instruments

Dissectors and Elevators

C–3400 **Abraham's,** narrow.

C–3401 **Abraham's,** wide.

C–3402 **Abraham's,** flat on one side, triangular on other, sharp edges, semi-blunt point.

C–3405 **Asch's.**

C–3410 **Ballenger - Hajek's,** semi-sharp.

C–3411 **Ballenger-Hajek's,** blunt.

C–3412 **Ballenger-Hajek's,** double ended.

*C–3415 **Beck's,** hoe and knife.

C–3420 **Brown's,** dissector and hoe.

C–3422 **Carter's,** flexible elevator, and curette.

*C–3425 **Freer's,** double, blunt and sharp.

C–3430 **Hurd's,** dissector, sharp and blunt, blunt end is copper, flexible.

C–3431 **Hurd's,** separator and curette.

C–3435 **Killian's,** new model, blunt and sharp.

C–3436 **Killian's,** sharp.

C–3437 **Killian's,** blunt.

C–3438 **Killian's,** bayonet shape, right and left.

*C–3439 **Killian's,** set of 5 instruments with 1 handle.

C–3445 **Pierce's,** sub-mucous dissector.

C–3450 **Purcell's,** pereosteotome.

C–3455 **Roger's,** dissector, semi-sharp.

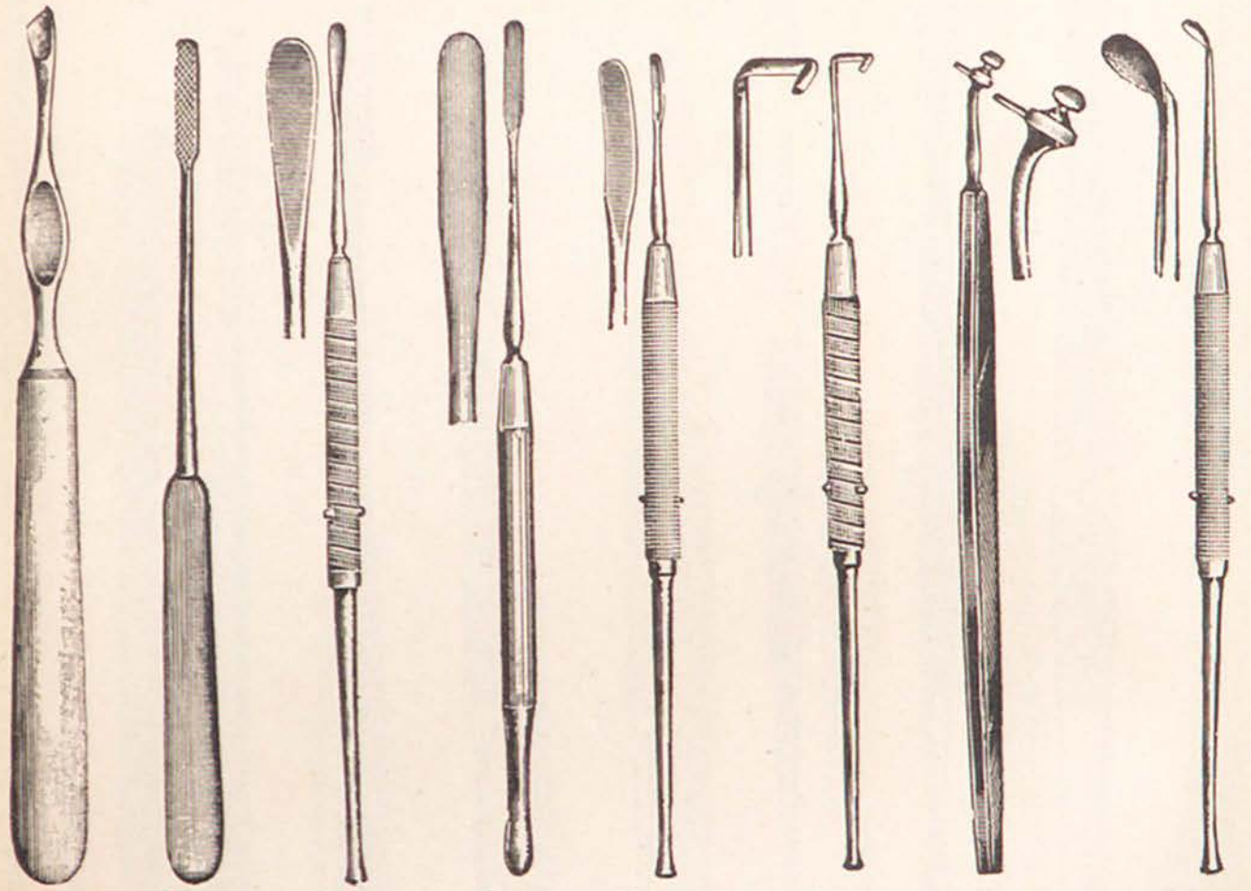
C–3460 **Spratt's,** dissector.

C–3465 **Stauffer's,** double end, flexible.

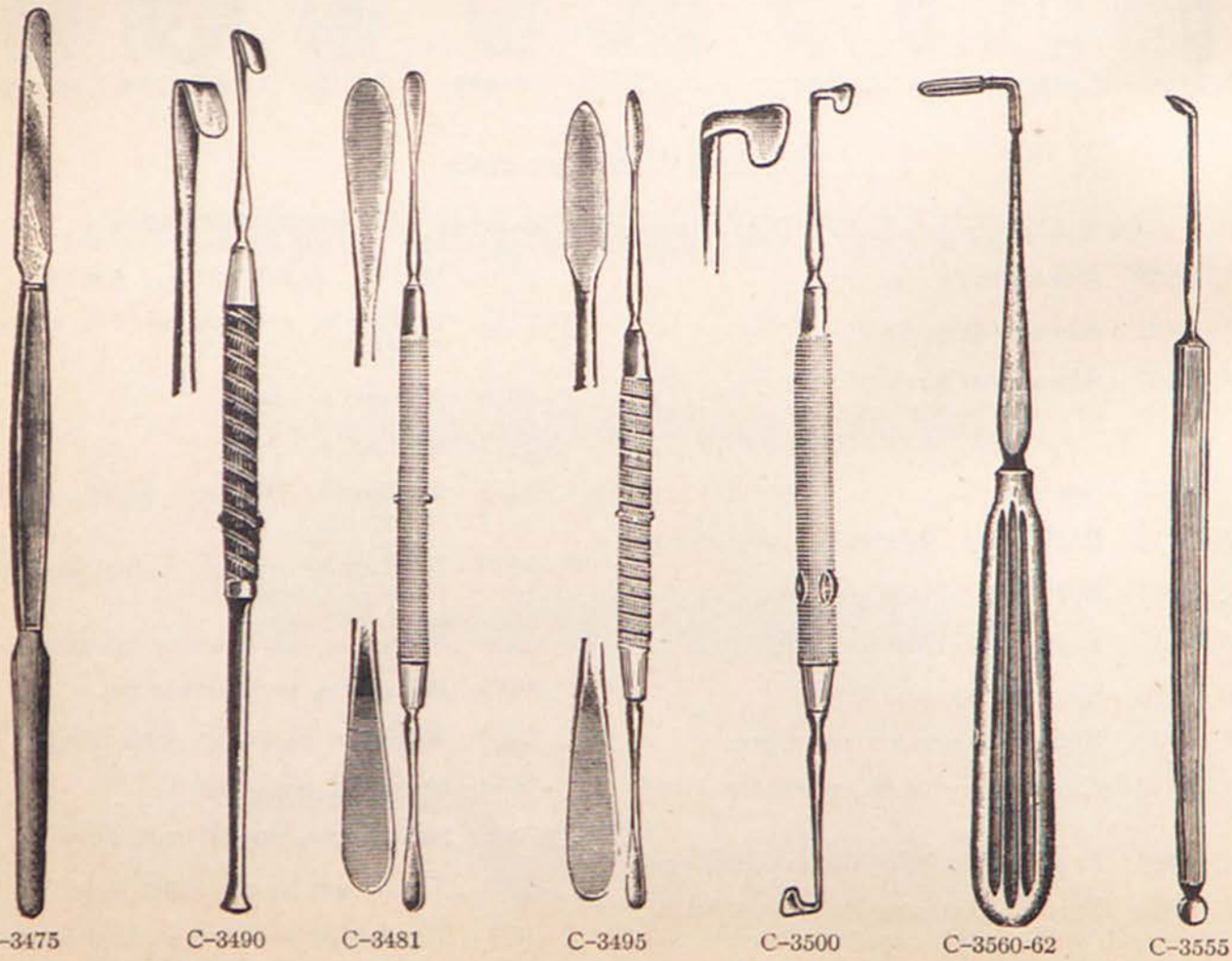
C–3470 **Yankauer's,** elevator, blunt.

C–3471 **Yankauer's,** elevator, hook shape.

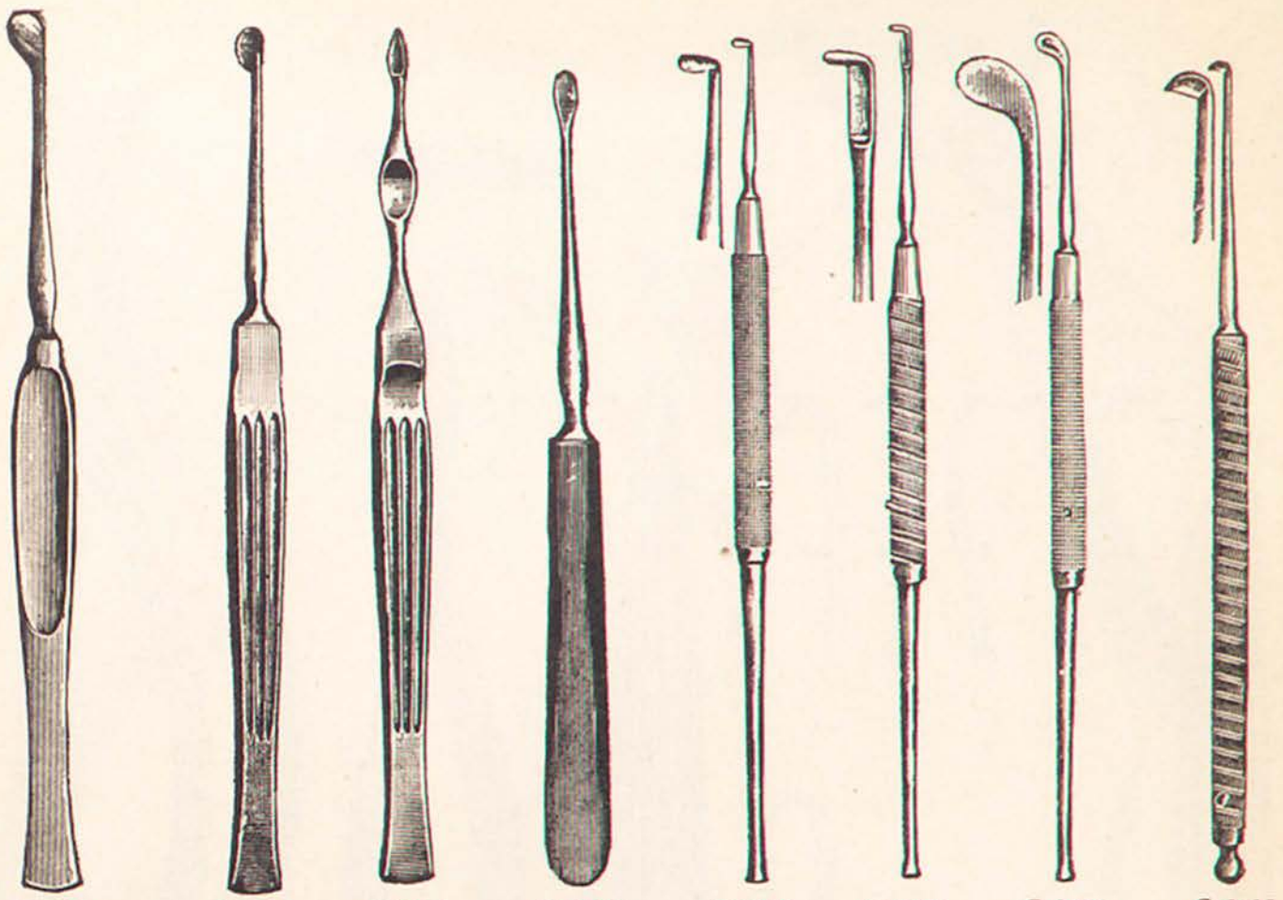
Nasal Instruments



C-3521 C-3505 C-3482 C-3486 C-3483 C-3540 C-3535 C-3480



C-3475 C-3490 C-3481 C-3495 C-3500 C-3560-62 C-3555



C-3550 C-3526 C-3520 C-3527 C-3529 C-3545 C-3525 C-3528

Nasal Instruments

Instruments for Resection of the Nasal Septum

Elevators

C-3475 **Blackwell's,** flexible copper.
C-3480 **Freer's,** angular.
C-3481 **Freer's,** double end, sharp and blunt.
C-3482 **Freer's,** L, sharp.
C-3483 **Freer's,** M, blunt.
*C-3484 **Freer's,** X, short, sharp.
C-3485 **Freer's,** X, short, blunt.
C-3486 **Freer's,** Y, long, sharp.
*C-3487 **Freer's,** Y, long, blunt.
C-3490 **Goldstein's,** blunt.
*C-3491 **Goldstein's,** sharp.
C-3495 **Haseltine's,** with knife.
C-3500 **Thomsen-Von Colditz's.**

File

C-3505 **Good's,** septum.

Hooks

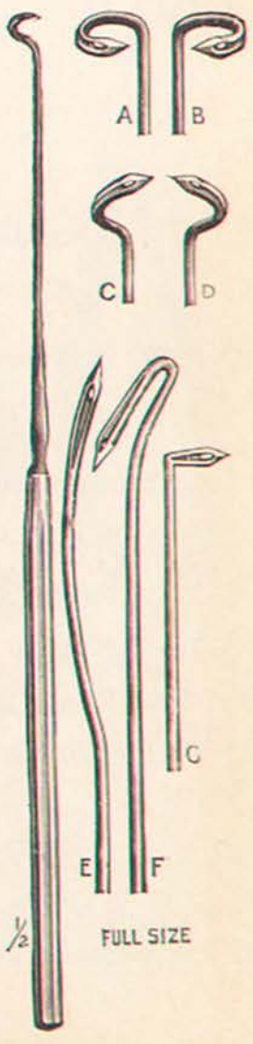
*C-3510 **Freer's,** U, double, sharp.
*C-3515 **Killian's,** angular, sharp.
*C-3516 **Killian's,** angular, blunt.

Knives

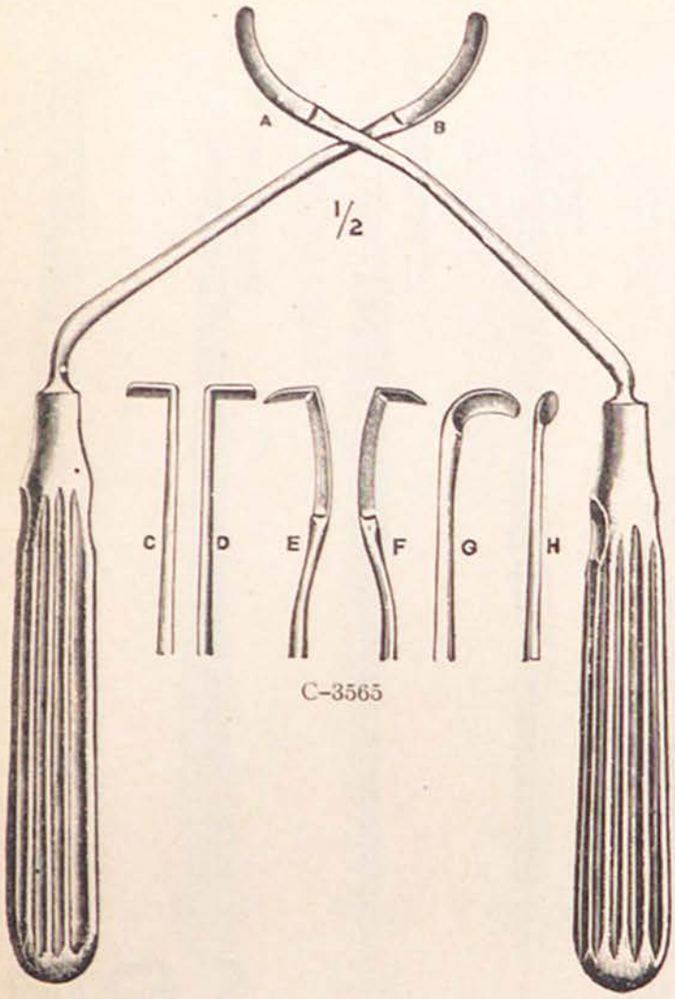
C-3520 **Ballenger's,** mucosa.
C-3521 **Ballenger-Murphy's,** septum.
C-3525 **Freer's,** A.
C-3526 **Freer's,** D.
C-3527 **Freer's,** E.
C-3528 **Freer's,** H.
C-3529 **Freer's,** V.
*C-3530 **Freer's,** I.
C-3535 **McCoy's.**
C-3540 **Metzenbaum's.**
C-3545 **Murray's.**
C-3550 **Stein's.**
C-3555 **Yankauer's,** angular.
C-3556 **Yankauer's,** needles, A to G.

Retractors

C-3560 **Freer's,** Q, extra long.
C-3561 **Freer's,** R, medium, 8 mm.
C-3562 **Freer's,** S, small, 6 mm.



C-3556



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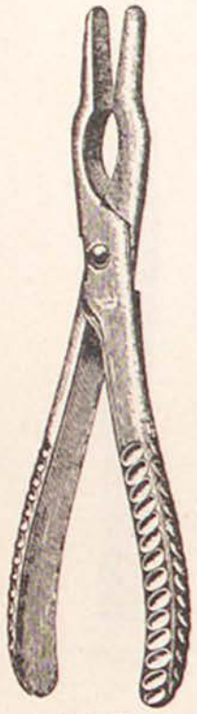

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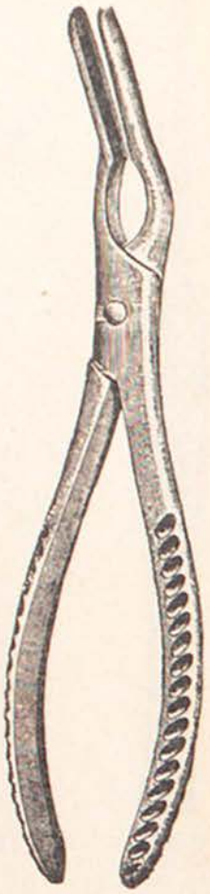


C–3575

Nasal Instruments

Knives (continued)

C–3565 **Ballenger's** Turbinate Instruments, A to H.

Septum Straightening Forceps

C–3570 **Adams'.**

C–3575 **Asch's.**

C–3580 **Kyle's.**

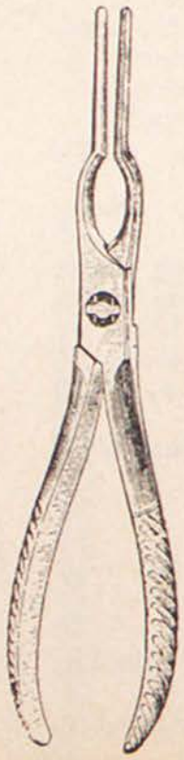
*C–3585 **Roe's,** 2 sizes.

*C–3590 **Watson's.**

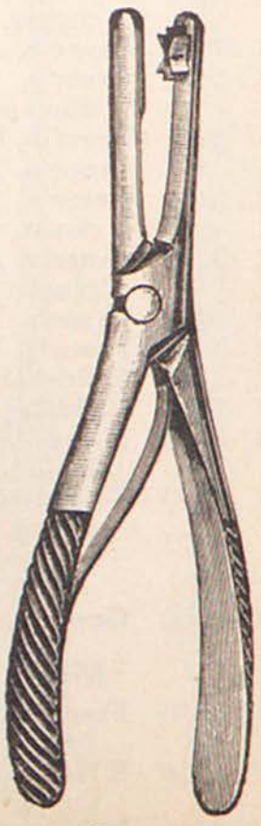
Septum Punches

*C–3595 **Sajou's,** with 6 assorted punches.

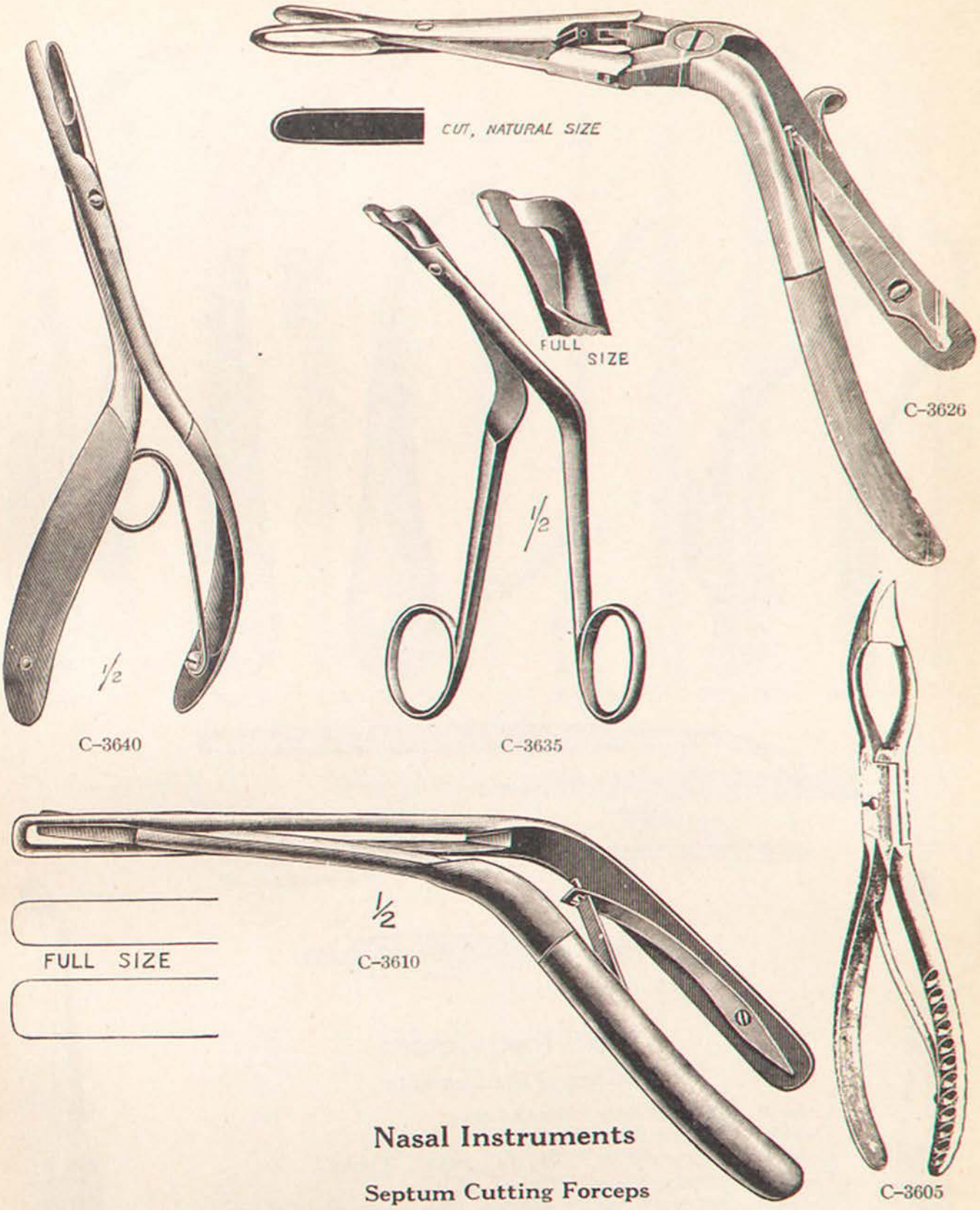
C–3600 **Steele's.**



C–3580



C–3600



Nasal Instruments

Septum Cutting Forceps

*C–3605 **Asch's,** angular.

C–3606 **Asch's,** straight.

C–3610 **Ballenger-Foster's,** for cutting perpendicular plate.

*C–3615 **Freer's,** 3 sizes, Figs. D, E and F, right and left.

*C–3620 **Hurd's,** septal ridge.

*C–3625 **Jansen - Middleton's,** cross-action biting blades.

C–3626 **Jansen-Middleton's,** cross action cutting blades.

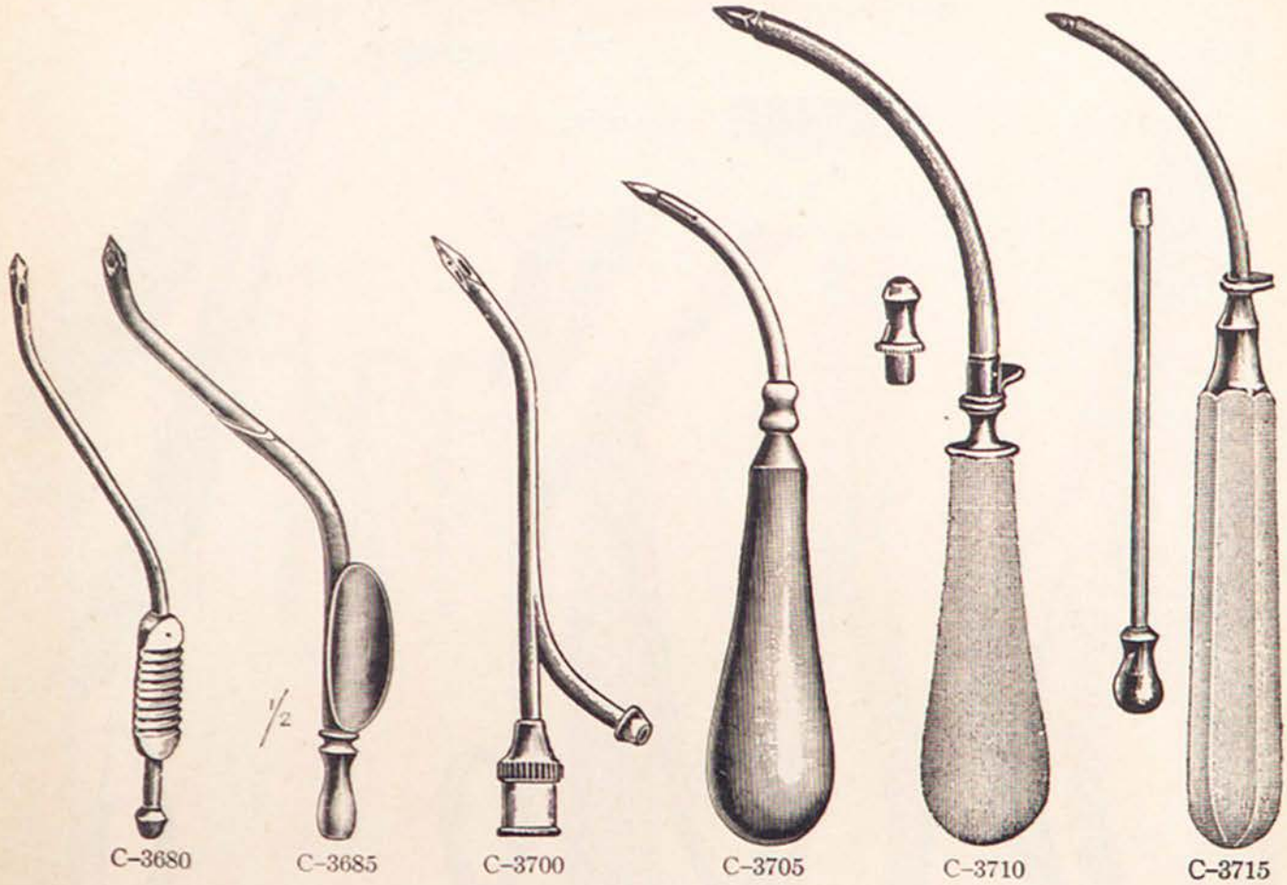
*C–3630 **Jarvis'.**

C–3635 **Lutz's,** septal ridge.

C–3640 **McCoy's,** straight, for cartilagenous septum.

C–3641 **McCoy's,** curved, for submaxillary ridge.

*C–3645 **Mial's,** septal ridge.



C-3680 C-3685 C-3700 C-3705 C-3710 C-3715

C-3655

C-3665

C-3678



C-3645

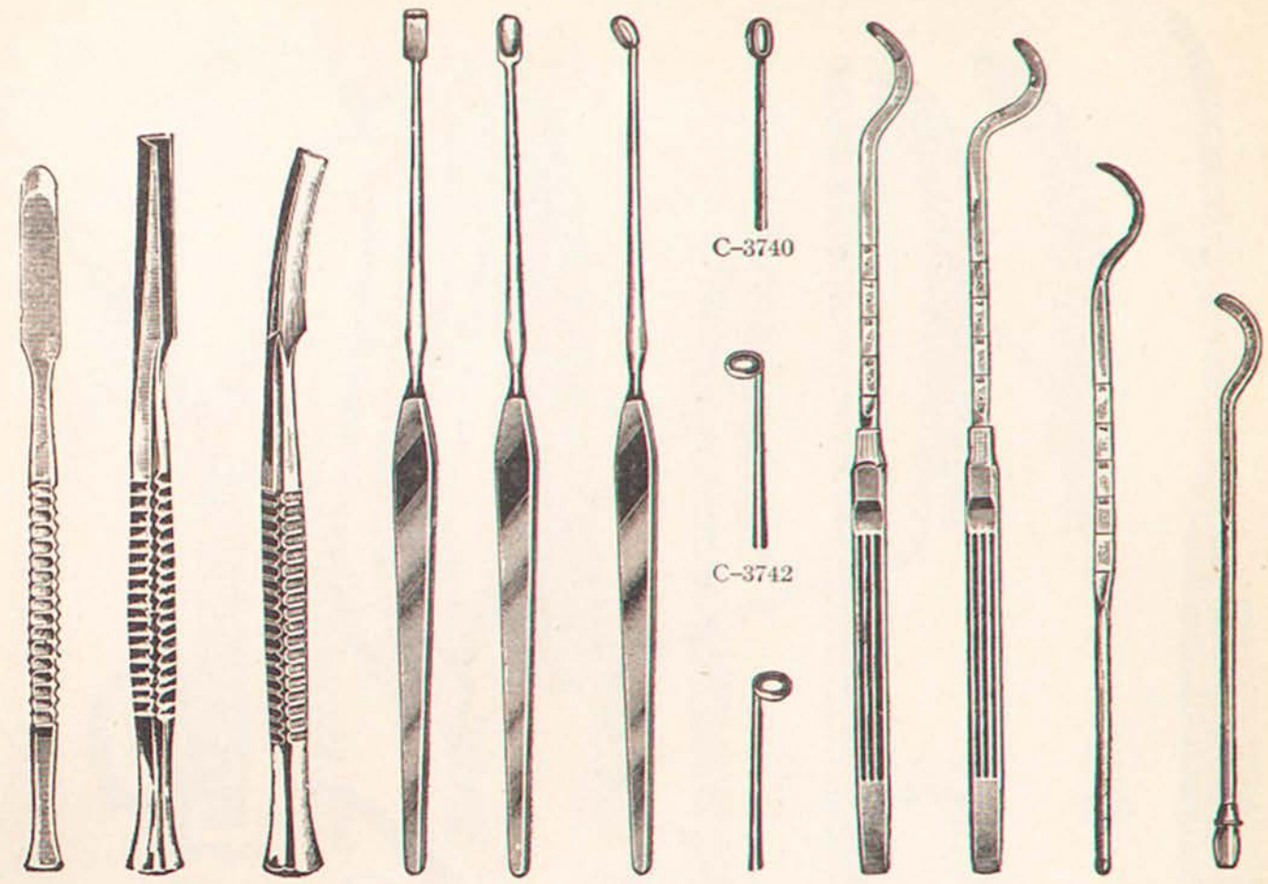


C-3650

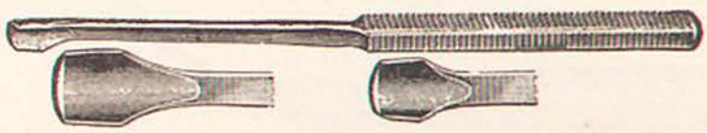
Nasal Instruments

Antrum Instruments

*C-3640	Antrum Burr, **Abraham's.**
C-3645	Antrum Burr, **Ballenger's,** 4 sizes.
C-3650	Antrum Burr, **Tilley's,** curved, 3 sizes.
C-3655	Antrum Chisel, **Myles',** sharp.
*C-3660	Antrum Curette, **Myles',** flexible shank, 5 sizes.
C-3665	Antrum Drill, **Pope's,** trephine.
*C-3670	Antrum Reamer, **Abraham's.**
*C-3675	Antrum Saw, **Vail's,** right and left.
C-3680	Antrum Trocar, **Douglass',** combined with washing tube.
C-3685	Antrum Trocar, **Gallaher's,** with openings in trocar point.
*C-3690	Antrum Trocar, **Jurascz's.**
*C-3695	Antrum Trocar, **Killian's,** new model.
C-3700	Antrum Trocar, **Krause's.**
C-3705	Antrum Trocar, **Myles',** latest.
C-3710	Antrum Trocar, **Pierce's.**
C-3715	Antrum Trocar, **Robertson's.**
C-3678	Antrum Trocar, **Charlton's.**




C-3755


C-3720

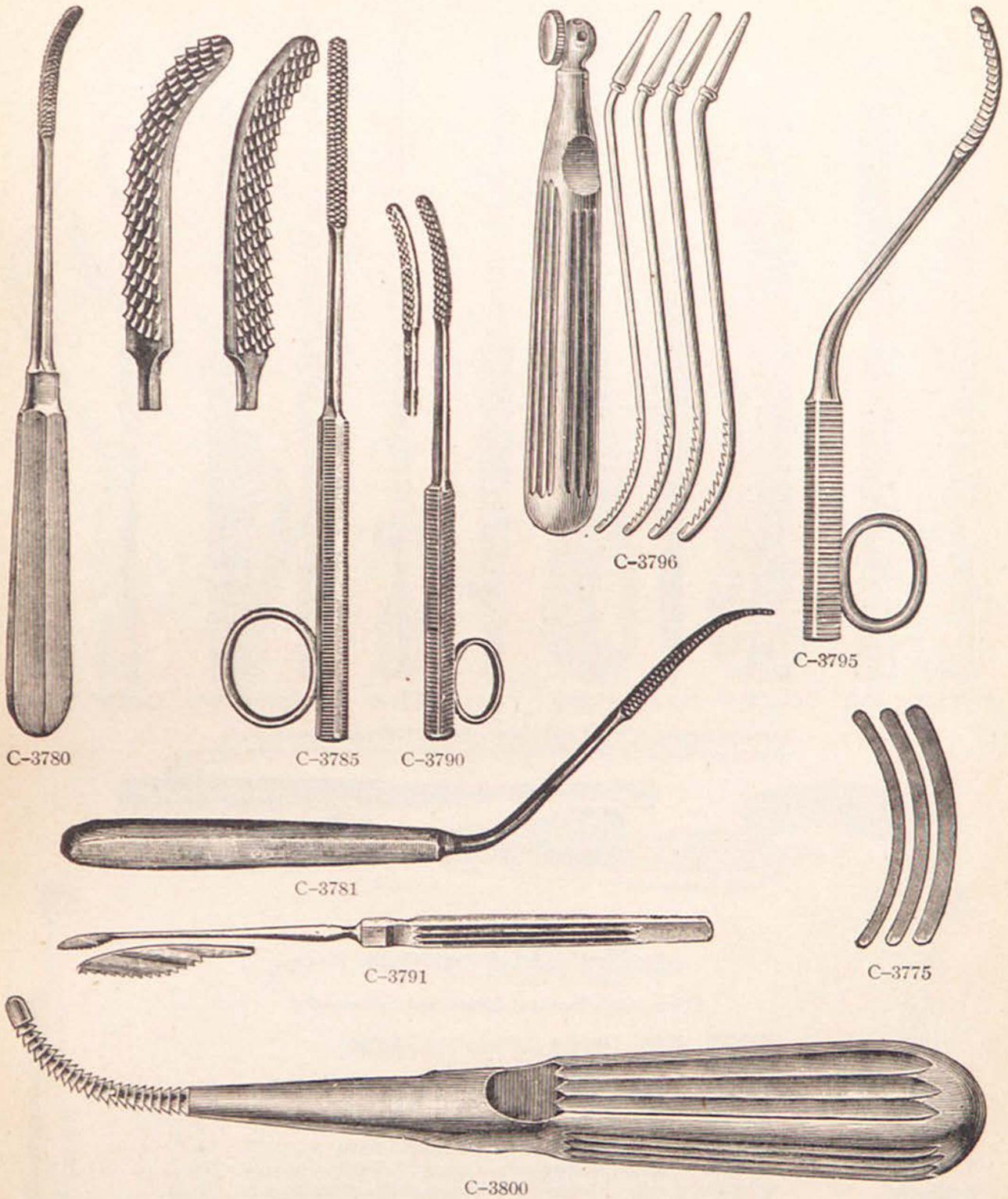
Nasal Instruments

Ethmoidal, Frontal Sinus and Sphenoidal

C-3720 Chisel, **Good's,** frontal sinus, 2 sizes.
C-3725 Chisel, **Griffin's,** ethmoidal.
*C-3730 Chisel, **Killian's,** bayonet shape, frontal sinus.
C-3731 Chisel, **Killian's,** straight, frontal sinus.
C-3732 Chisel, **Killian's,** convex edge, frontal sinus.
C-3733 Chisel, **Killian's,** curved, frontal sinus.
C-3735 Curette, **Ballenger's,** ethmoidal, 2 sizes.
*C-3736 Curette, **Carmody's,** frontal sinus, irrigating.
*C-3737 Curette, **Coakley's,** frontal sinus, 6 styles.
*C-3738 Curette, **Dean's,** frontal sinus, curved.
*C-3739 Curette, **Freer's,** frontal sinus, 4 styles.
C-3740 Curette, **Griffin's,** straight, ethmoidal.
C-3741 Curette, **Griffin's,** half curved, ethmoidal.
C-3742 Curette, **Griffin's,** left side cutting, ethmoidal.
C-3743 Curette, **Griffin's,** right side cutting, ethmoidal.
*C-3744 Curette, **Halle's,** frontal sinus, right and left.
C-3745 Curette, **Killian's,** frontal sinus, 5 sizes.
*C-3747 Curette, **Kenavel's,** frontal sinus, straight.
*C-3749 Curette, **Rector's,** frontal sinus.
C-3750 Canula, **Andrew's,** sphenoidal.
C-3755 Drainage Tube, **Good's,** frontal sinus, gold-plated.
C-3760 Gouge, **Griffin's,** ethmoidal.
C-3765 Knife, **Andrew's,** sphenoidal.
C-3766 Knife, **Andrew's,** ethmoidal.
C-3770 Probe, **Andrew's,** sphenoidal.


C-3745

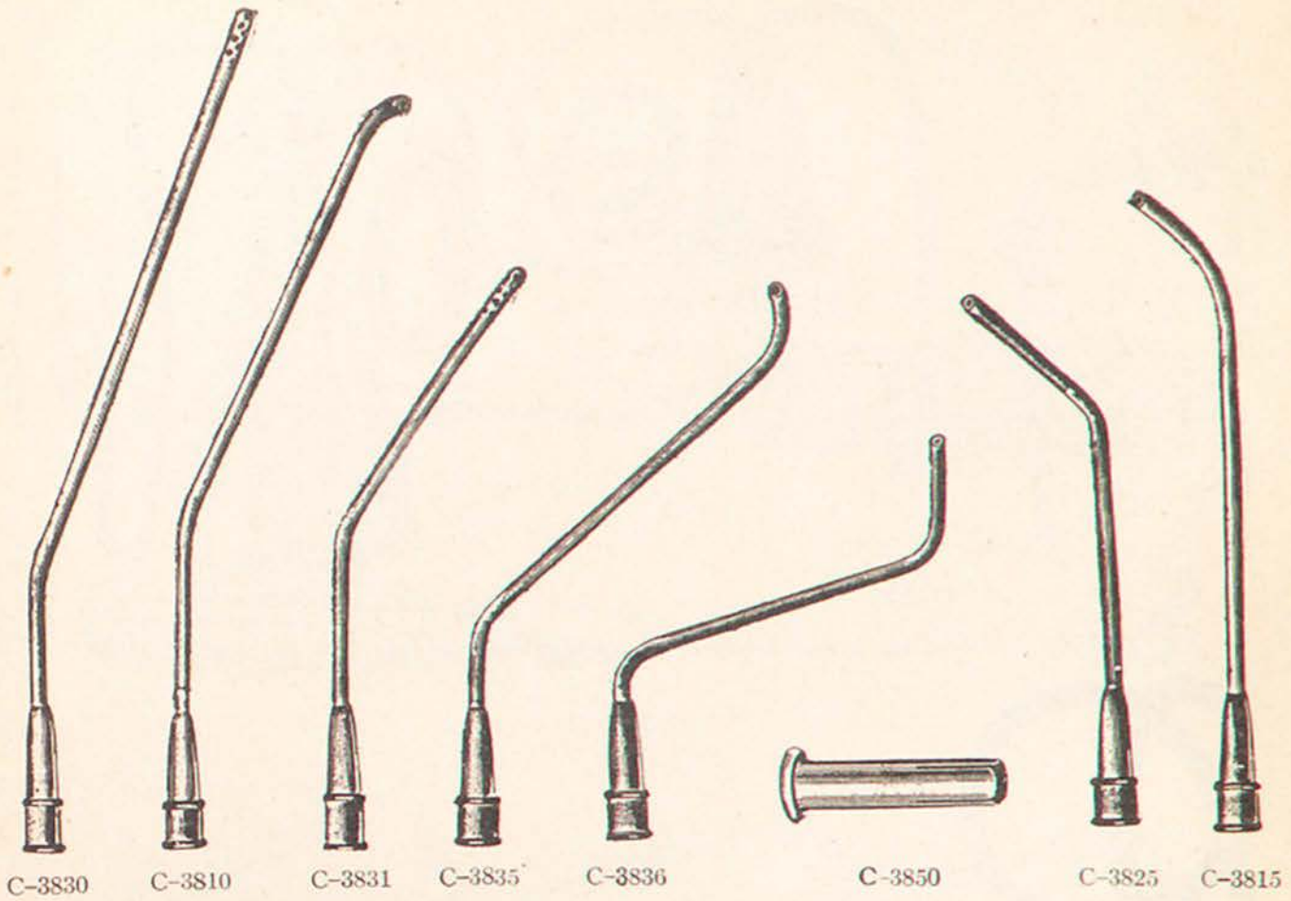

C-3735



Nasal Instruments

Antrum, Frontal Sinus and Sphenoidal

C–3775 Protector, **Good's,** frontal sinus, 3 sizes.
C–3780 Rasp, **Brawley's,** antrum.
C–3781 Rasp, **Brawley's,** frontal sinus.
C–3785 Rasp, **Gallaher's,** antrum or frontal sinus, straight, concave and convex.
C–3790 Rasp, **Good's,** frontal sinus, right and left, 2 sizes.
C–3791 Rasp, **Good's,** sphenoidal.
C–3795 Rasp, **Sullivan's,** frontal sinus, 4 sizes.
C–3796 Rasp, **Sullivan's,** frontal sinus, 4 sizes for one handle.
*C–3798 Rasp, **Thompson's,** frontal sinus, 2 models.
C–3800 Rasp, **Weiner's,** universal, frontal sinus.
*C–3805 Sound, **Good's,** frontal sinus, set of 3.



Nasal Instruments

Antrum, Ethmoid, Sphenoid and Frontal Sinus

Canulae

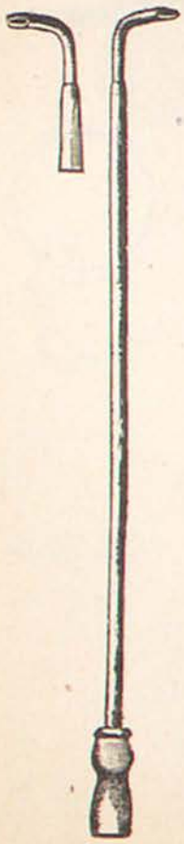
C-3810 **Bezold's,** antrum, right and left.
C-3815 **Bresgen's,** frontal sinus.
*C-3820 **Fish's,** antrum, delicate.
C-3825 **Fraenkel's,** antrum.
C-3830 **Gruenwald's,** frontal sinus.
C-3831 **Gruenwald's,** sphenoidal sinus.
C-3835 **Hartman's,** antrum.
C-3836 **Hartman's,** frontal sinus.
C-3840 **Killian's,** antrum.
C-3845 **Myles',** antrum, 3 sizes.
C-3846 **Myles',** exploring.

Drainage Tubes

C-3850 **Hovell's,** silver.
*C-3855 **Myles',** soft rubber, 3 sizes.

Needles

C-3860 **Killian's,** right or left.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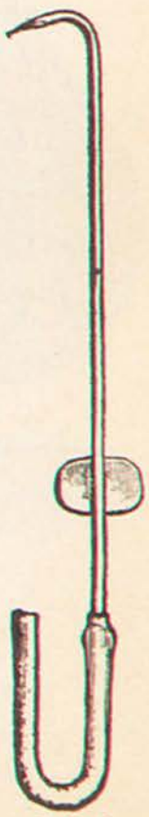
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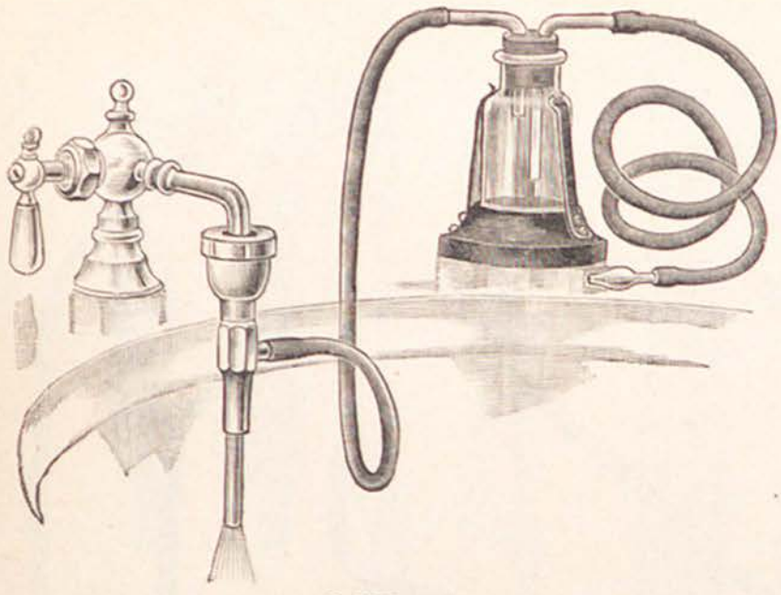

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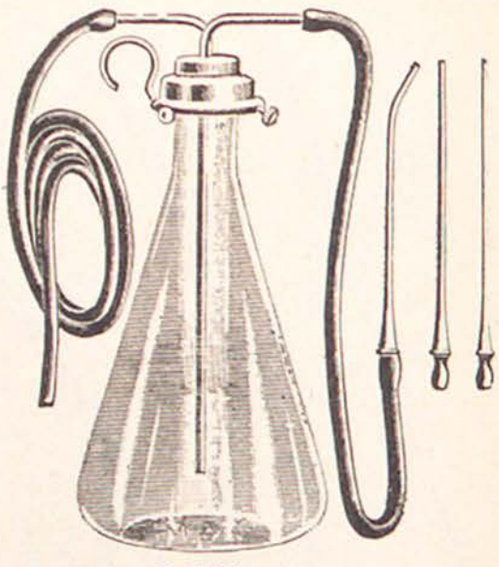

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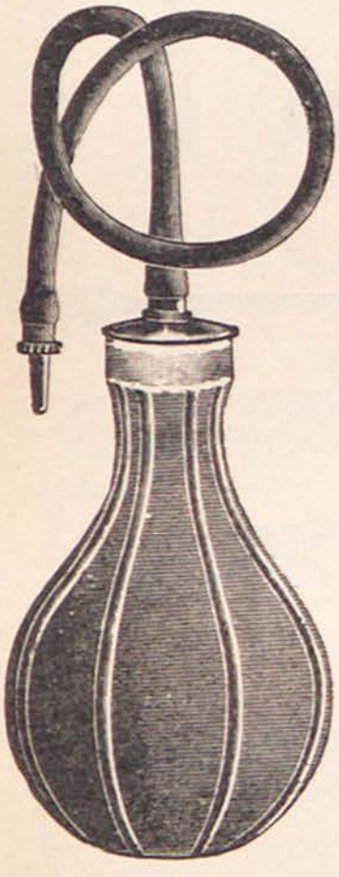

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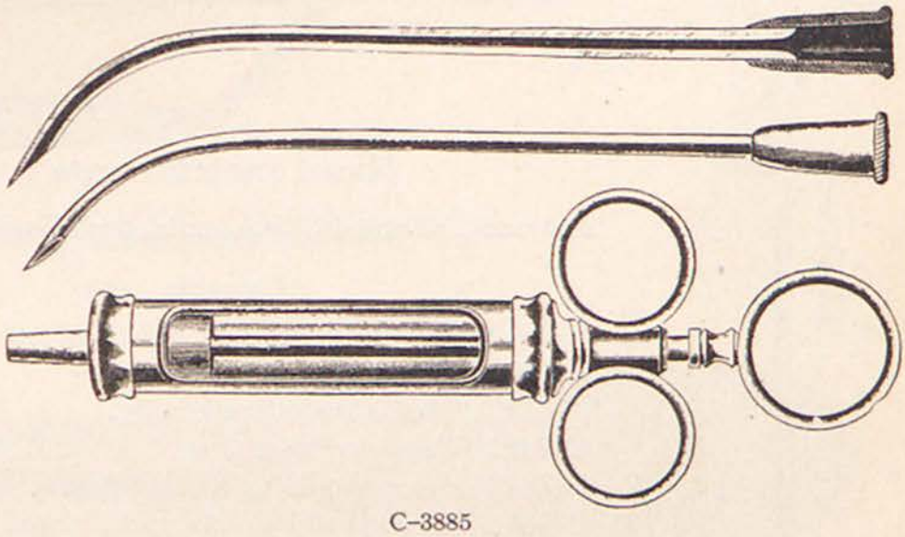


C–3885

Nasal Instruments

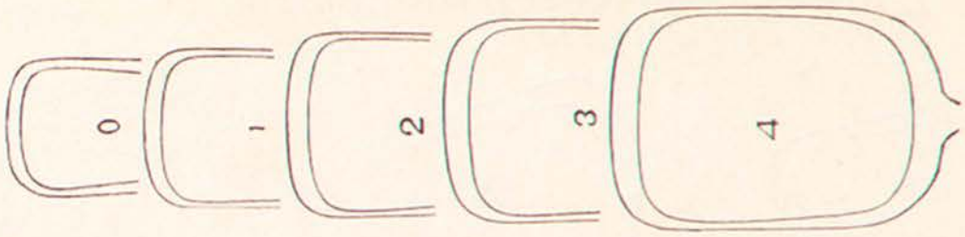
Antrum, Ethmoid, Sphenoid and Frontal Sinus

Suction Apparatus

C–3870 **Brawley's.**
C–3875 **Haskin's,** complete with tubing and 3 silver tubes of different calibre.

Syringes

C–3880 Antrum, for use with washing canulae.
C–3885 Antrum, **Abraham's,** with steel trocar needle.

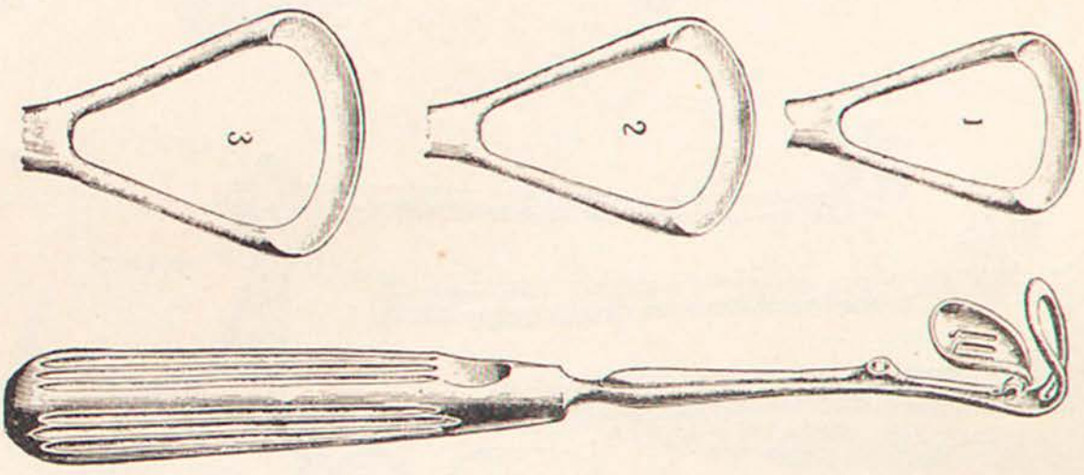




C–3900



C–3910



C–3925



C–3930



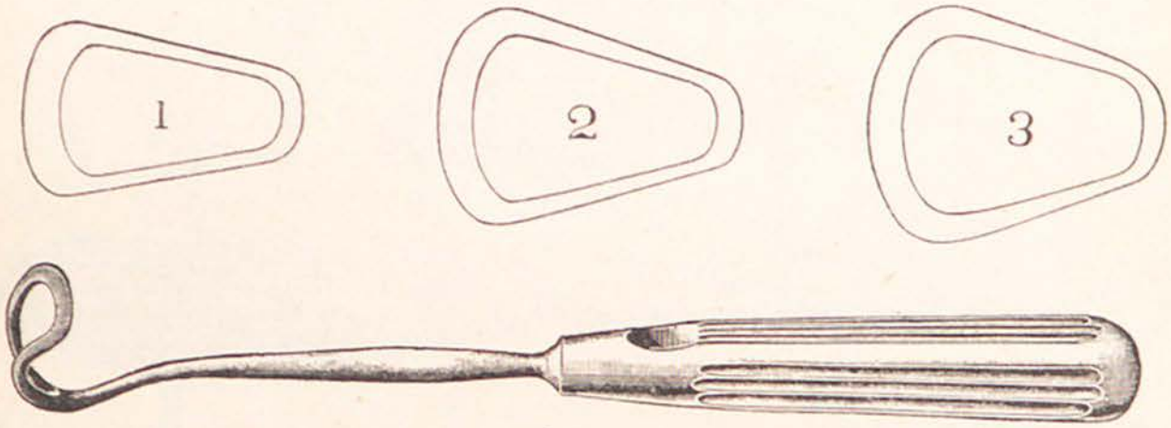
C–3935

Post Nasal Instruments

Adenotomes and Curettes

C–3900 **Barnhill's,** 5 sizes.
*C–3905 **Beck's,** with waved edge.
C–3910 **Beckmann's,** 4 sizes.
*C–3915 **Boston's,** for infants, 1 size.
*C–3920 **Collum's,** with sliding blade.
C–3925 **Delstanche's,** 3 sizes.
C–3930 **DeRoalde's,** 4 sizes.
C–3935 **Ingersoll's,** 1 size.

Post Nasal Instruments



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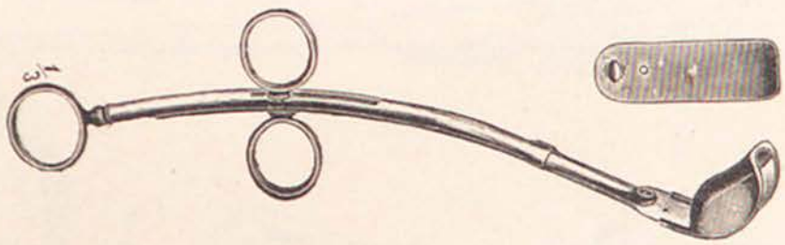

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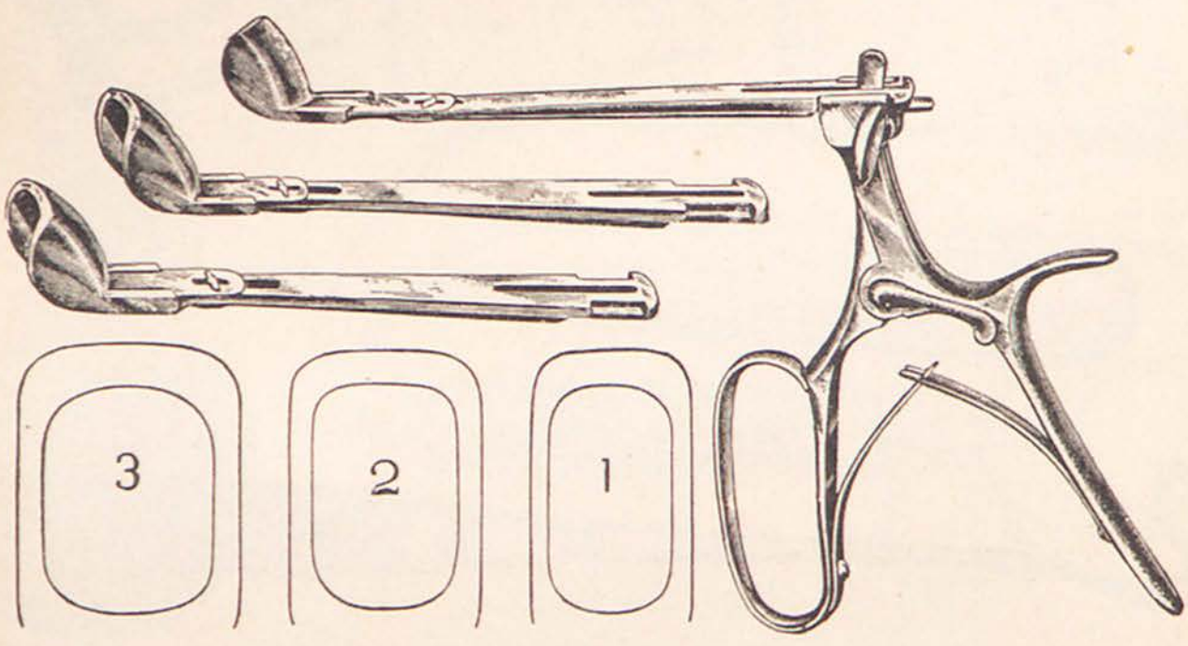
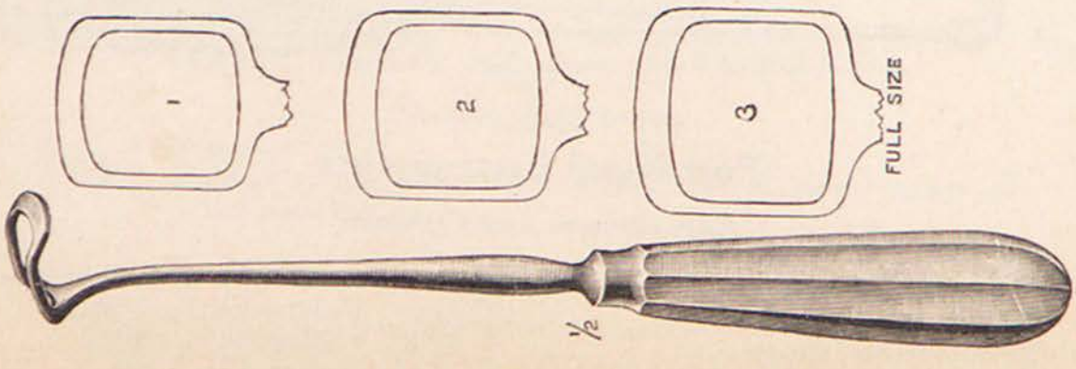


C-3955



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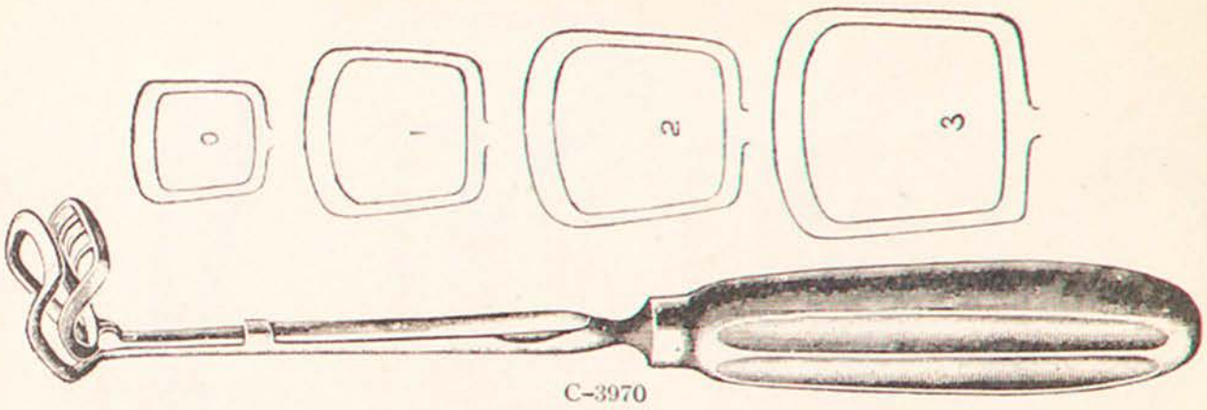

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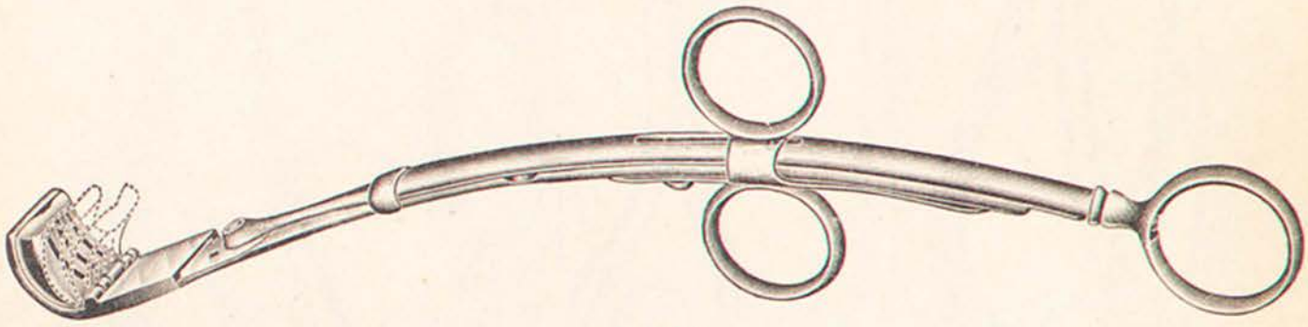

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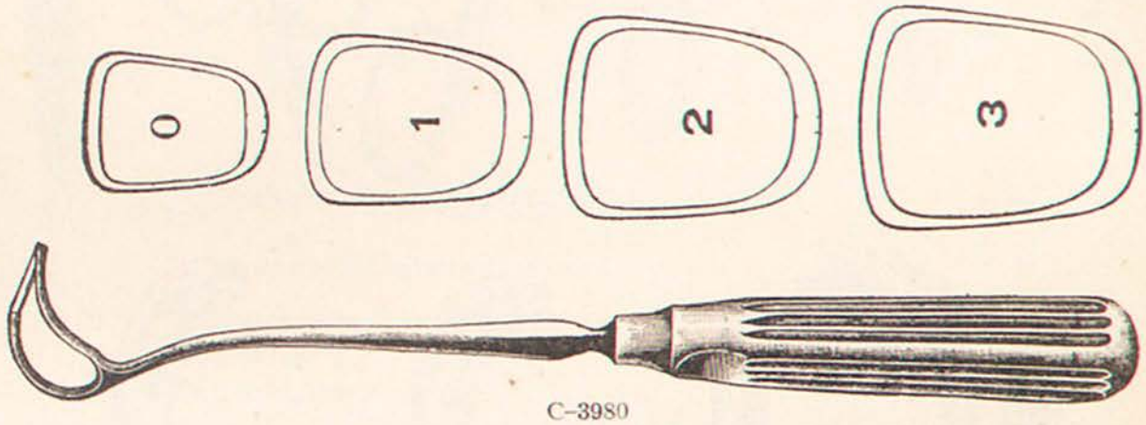


C–3980



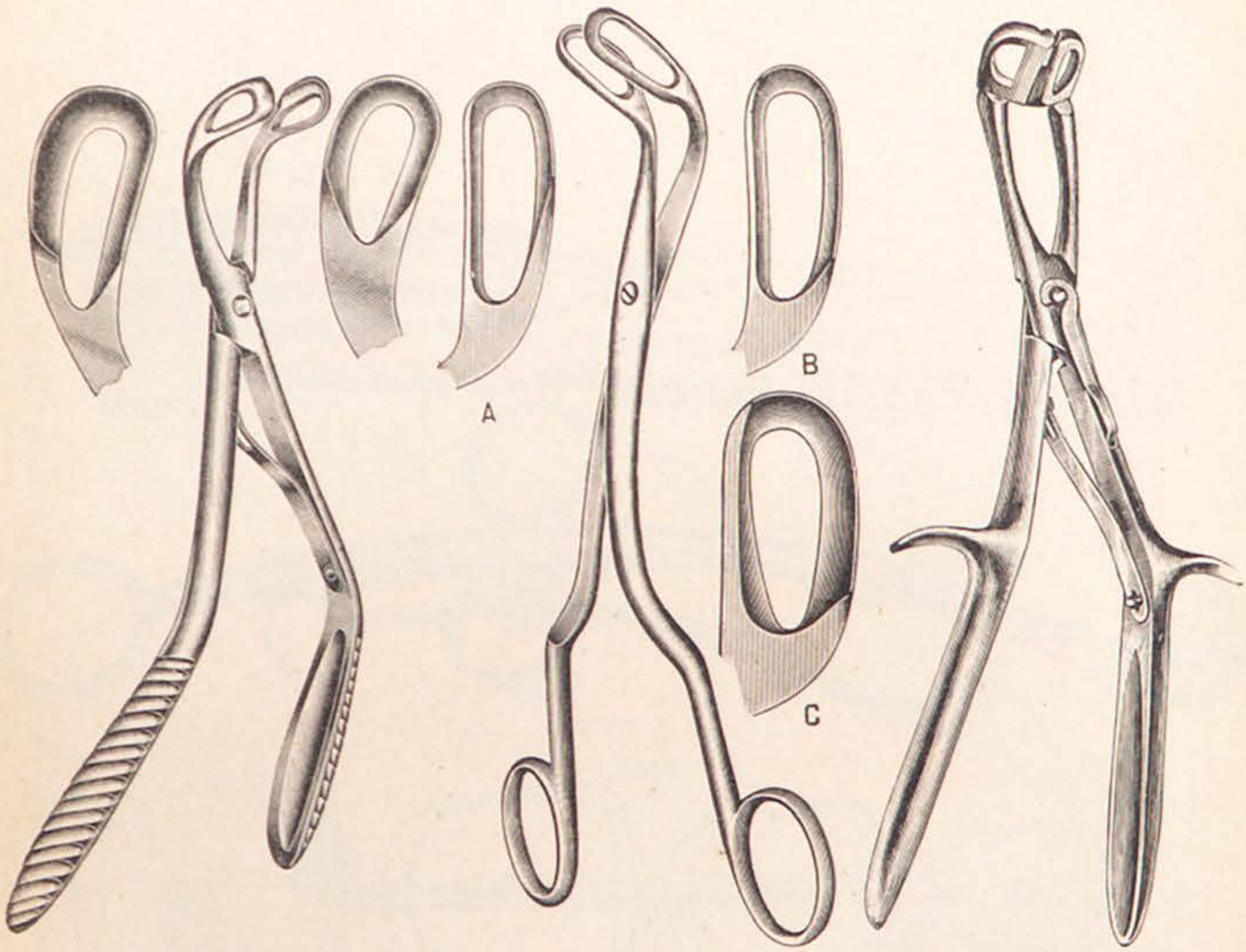
C–3990

Post Nasal Instruments

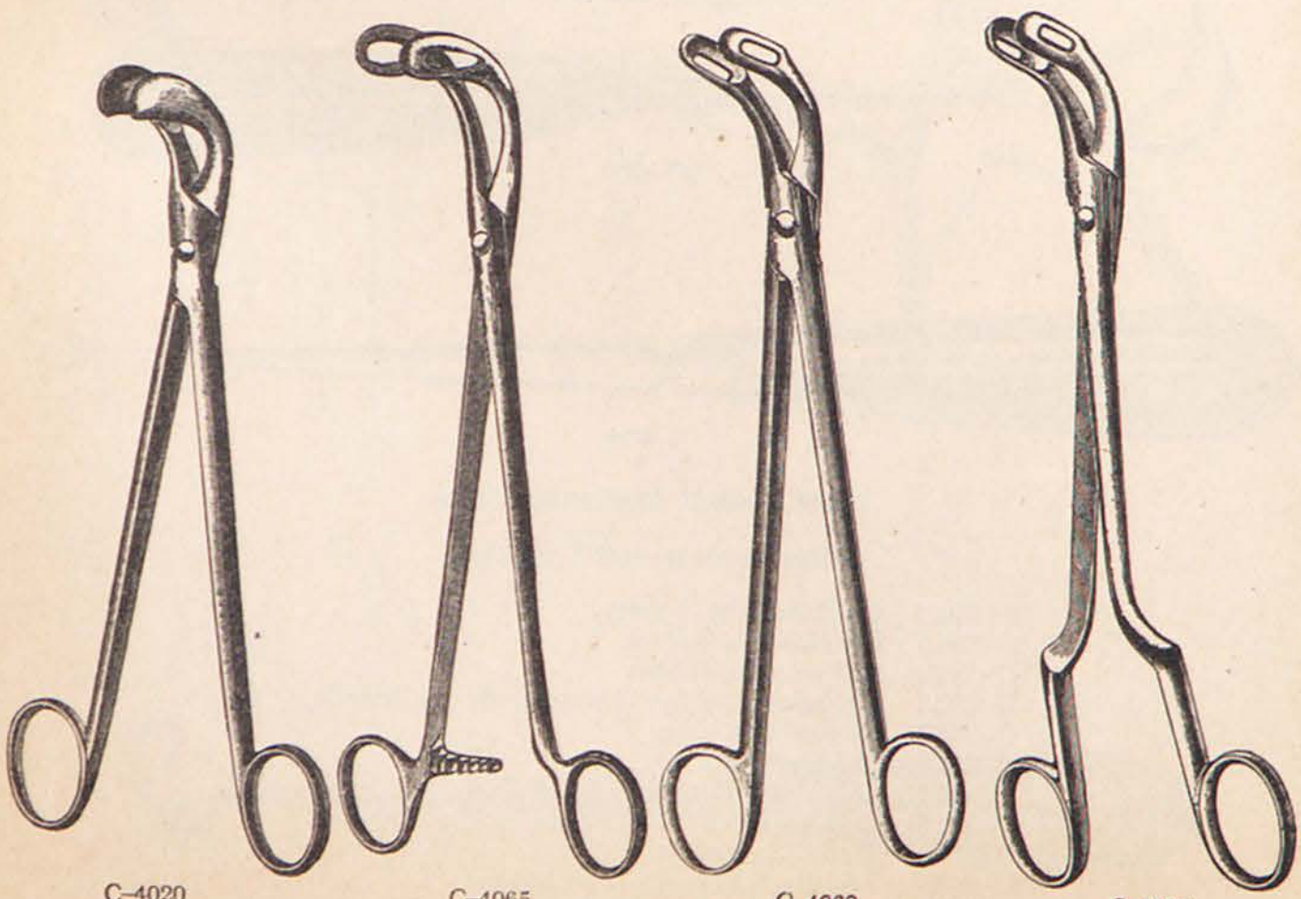
Adenotomes and Curettes

C–3940 **Gottstein's,** 3 sizes.
*C–3945 **Kirstein's,** 3 sizes.
C–3950 **LaForce's,** 3 sizes.
C–3955 **LaForce's,** set of 3 sizes with one handle.
C–3960 **Royce's,** 3 sizes.
*C–3965 **Sluder's,** 3 sizes.
C–3970 **St. Clair Thomson's,** 4 sizes.
C–3975 **Stevenson's** modification of **LaForce's.**
C–3980 **Stubb's,** 4 sizes.
*C–3985 **Todd's,** right and left, 2 sizes.
C–3990 **Vogel's,** for infants, 1 size.

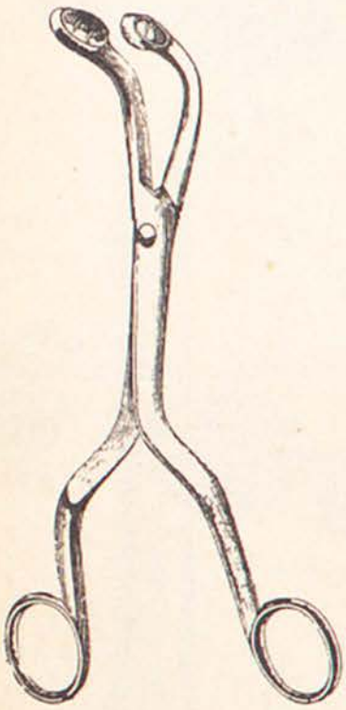
Post Nasal Instruments



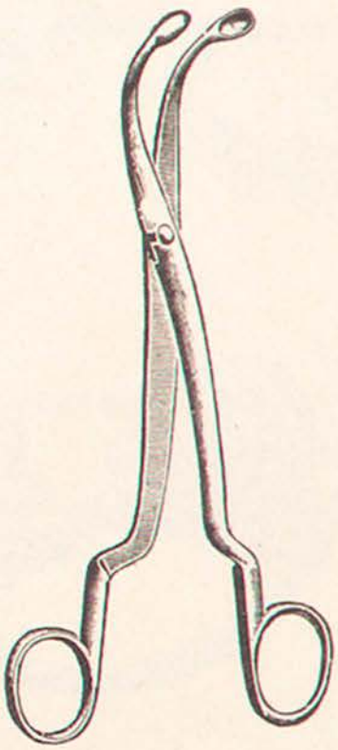
C–4000 C–4025-4026-4027 C–4040



C–4020 C–4065 C–4060 C–4005



C–4010



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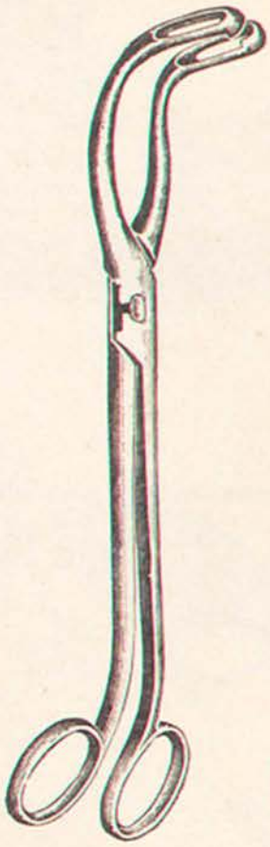

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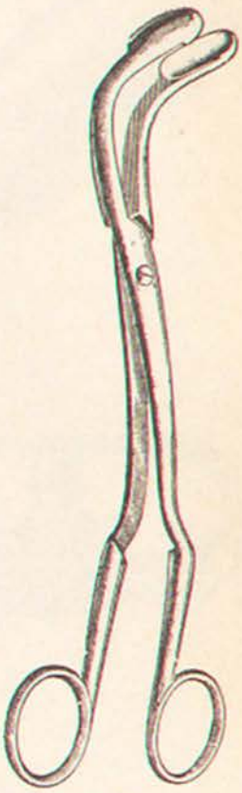


C–4050

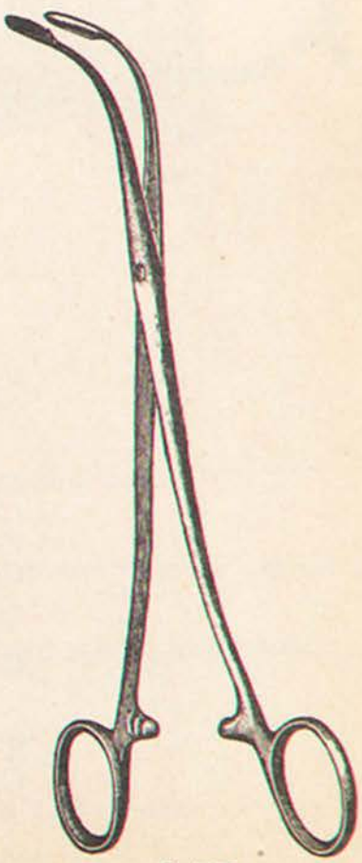
Post Nasal Instruments

Adenoid Cutting Forceps

C–4000 **Brandegee's,** 2 sizes, latest.
C–4005 **Chatellier's.**
C–4010 **Cohen's,** fenestrated.
*C–4015 **Curtis'.**
C–4020 **Doyen's,** cutting.
C–4025 **French's,** lymphoid, Fig. B.
C–4026 **French's,** vault, Fig. A.
C–4027 **French's,** latest, Fig. C.
C–4030 **Jurascz's,** original pattern, 3 sizes.
*C–4031 **Jurascz's,** latest pattern, 2 sizes.
C–4035 **Hooper's.**
C–4040 **McAuliff's.**
*C–4045 **Meniere's.**
C–4050 **Prince's,** latest pattern.
*C–4055 **Quinlan's.**
C–4060 **Ruault's.**

Adenoid Grasping Forceps

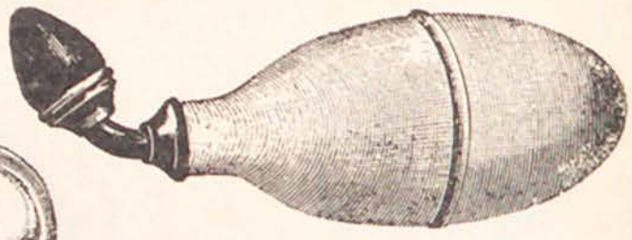
C–4065 **Doyen's.**
*C–4070 **Kathi's.**
C–4075 **Stille's,** sponge and dressing.
*C–4080 **Wagner's.**



C–4075



C–4100



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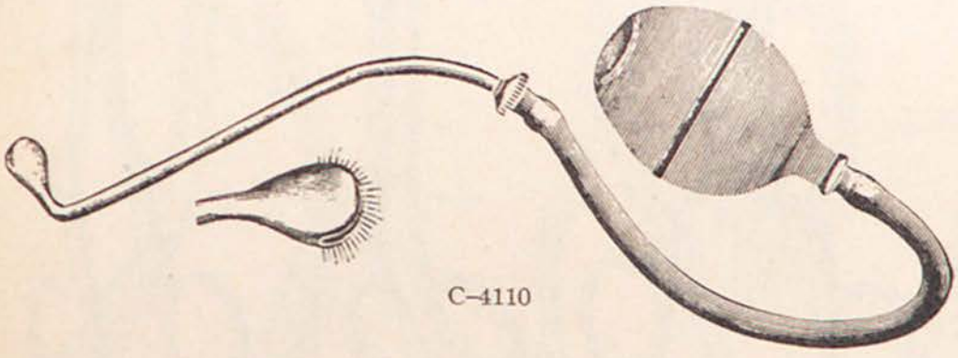
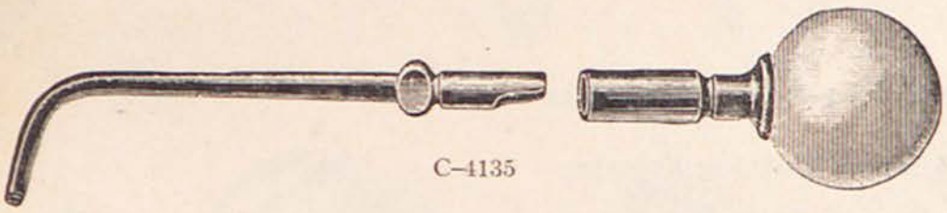


C–4110



C–4120



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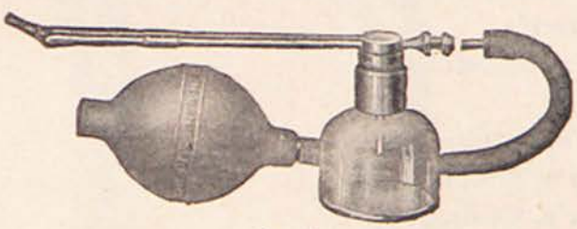


C–4130

Nasal Instruments, Sundries

Douches

C–4100 **Birmingham,** glass.
C–4105 Gem, pocket.
C–4110 **Holmes',** post nasal.
*C–4115 **Warner's,** post nasal.

Inhalers

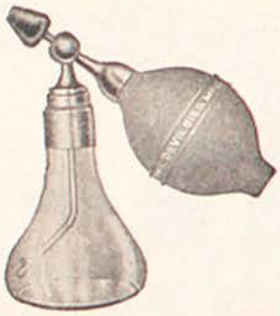
C–4120 **Evans',** pocket glass.

Insufflators

C–4130 **DeVilbiss'** No. 36.
C–4135 Scoop, hard rubber tube.

Syringes (see page 27)

*C–4140 Catarrhal, hard rubber, ½ ounce.
*C–4141 Catarrhal, hard rubber, 1 ounce.



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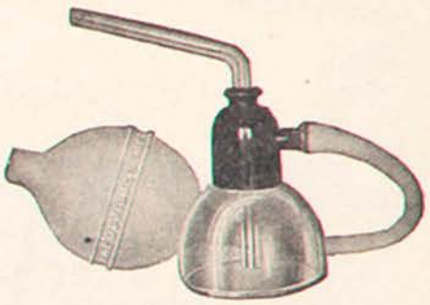

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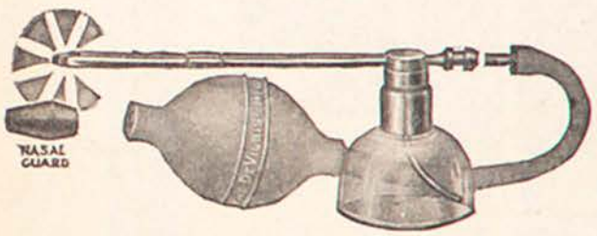

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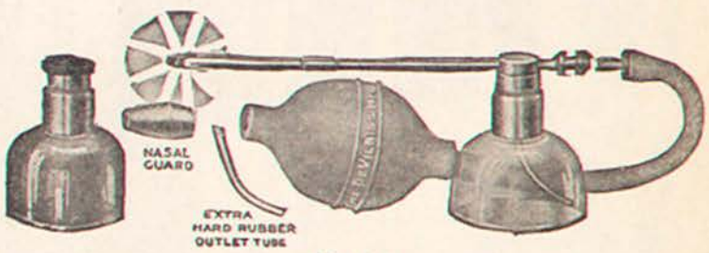

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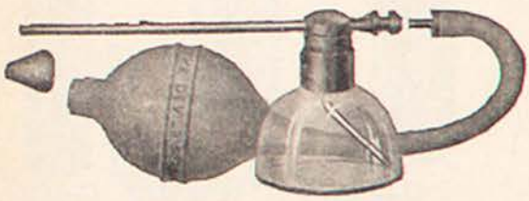

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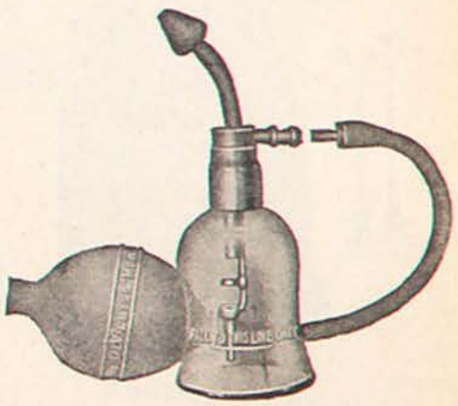


C–4156

Nasal Instruments

Atomizers and Nebulizers, Hand

C–4150 **DeVilbiss'** No. 10, nasal douche, throws heavy stream.

C–4152 **DeVilbiss'** No. 13, all glass and hard rubber, for corrosive solutions.

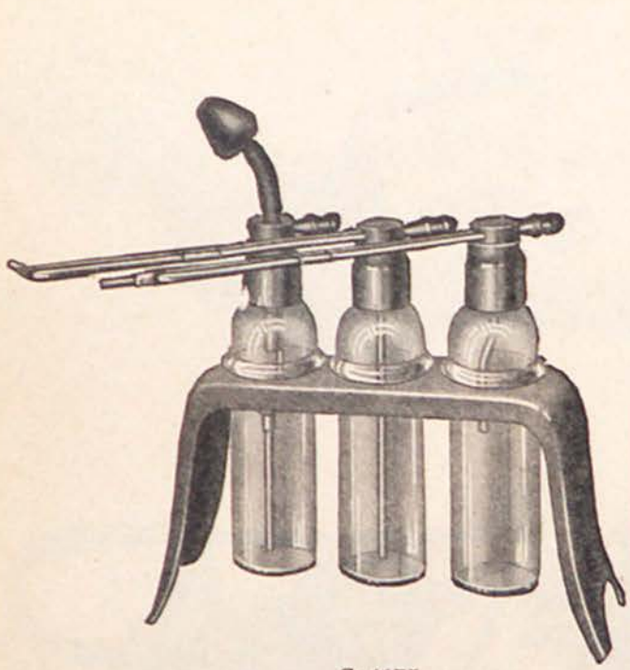
C–4153 **DeVilbiss'** No. 15, for oils or aqueous solutions.

C–4154 **DeVilbiss'** No. 16, same as No. 15, but with hard rubber outlet tube for corrosive solutions; and extra bottle.

C–4155 **DeVilbiss'** No. 28, will spray from any container; with hard rubber outlet tube for corrosive solutions.

C–4156 **DeVilbiss'** No. 49, for nebulizing oils only for inhalation.

Complete booklet of DeVilbiss spray apparatus furnished on request.



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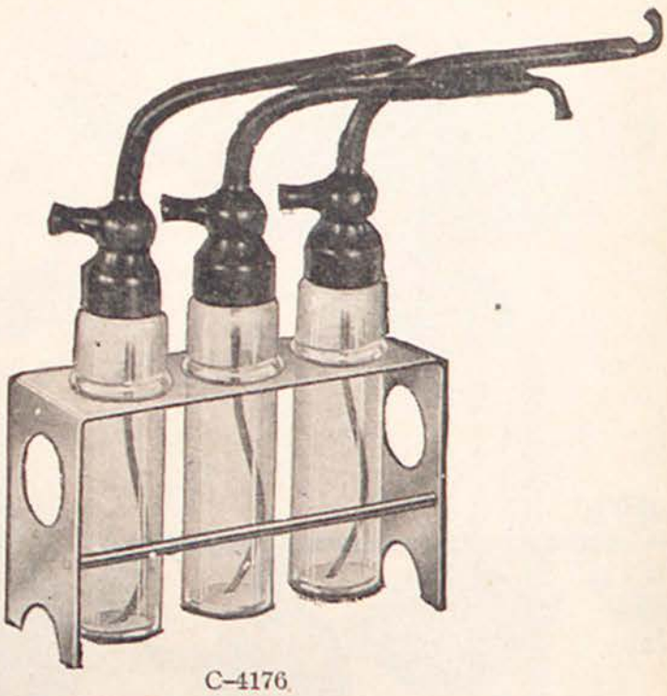
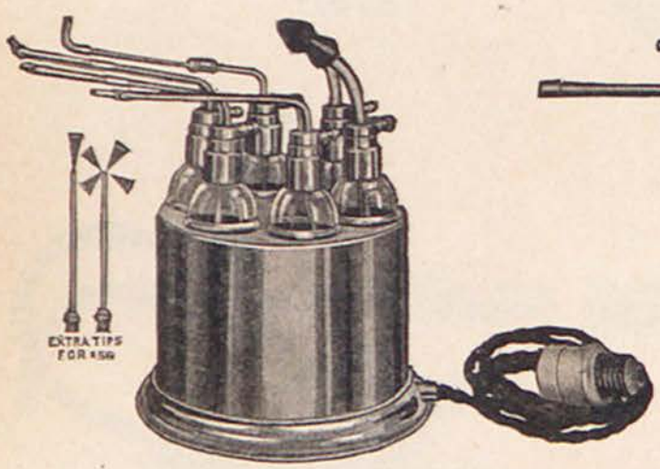


C–4176



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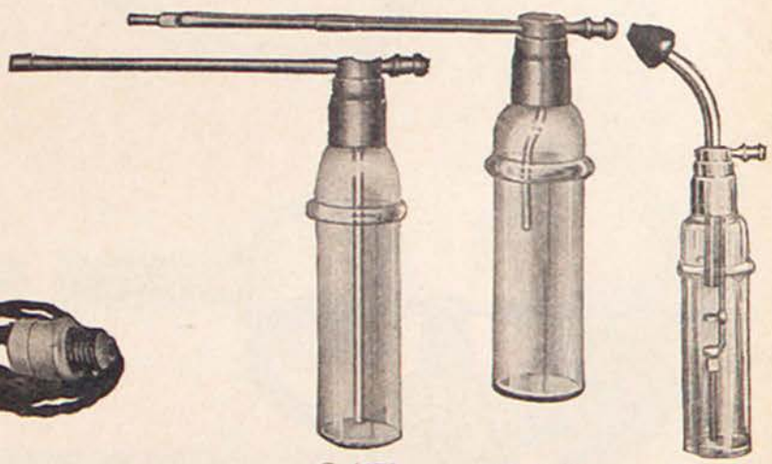


C–4172 C–4173 C–4174

Nasal Instruments

Atomizers and Nebulizers, Compressed Air

C–4170 **DeVilbiss'** No. 52, for oils or aqueous solutions.

C–4171 **DeVilbiss'** No. 56, for oils or aqueous solutions, with 3 tips.

C–4172 **DeVilbiss'** No. 58, produces a very fine spray. For oils or aqueous solutions.

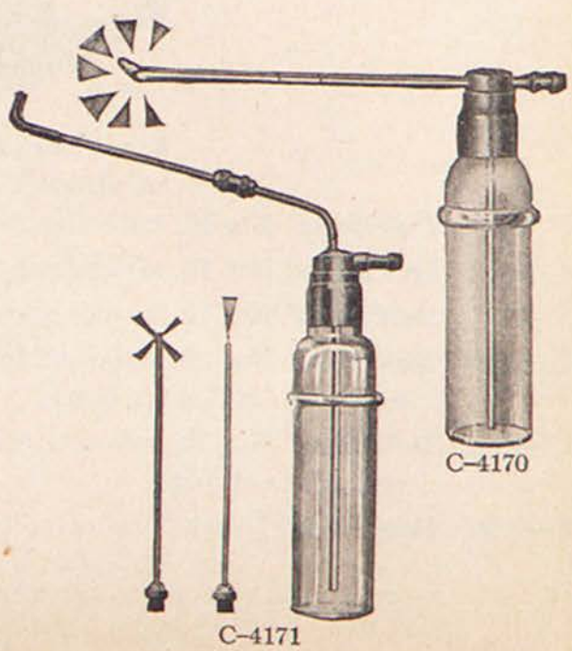
C–4173 **DeVilbiss'** No. 73, powder insufflator.

C–4174 **DeVilbiss'** No. 80, nebulizer, for oils only.

C–4175 **DeVilbiss'** No. 528, set of 3, one each, Nos. 52, 73 and 80, in metal rack.

C–4176 **DeVilbiss'** No. 527, set of 3, hard rubber, in metal rack.

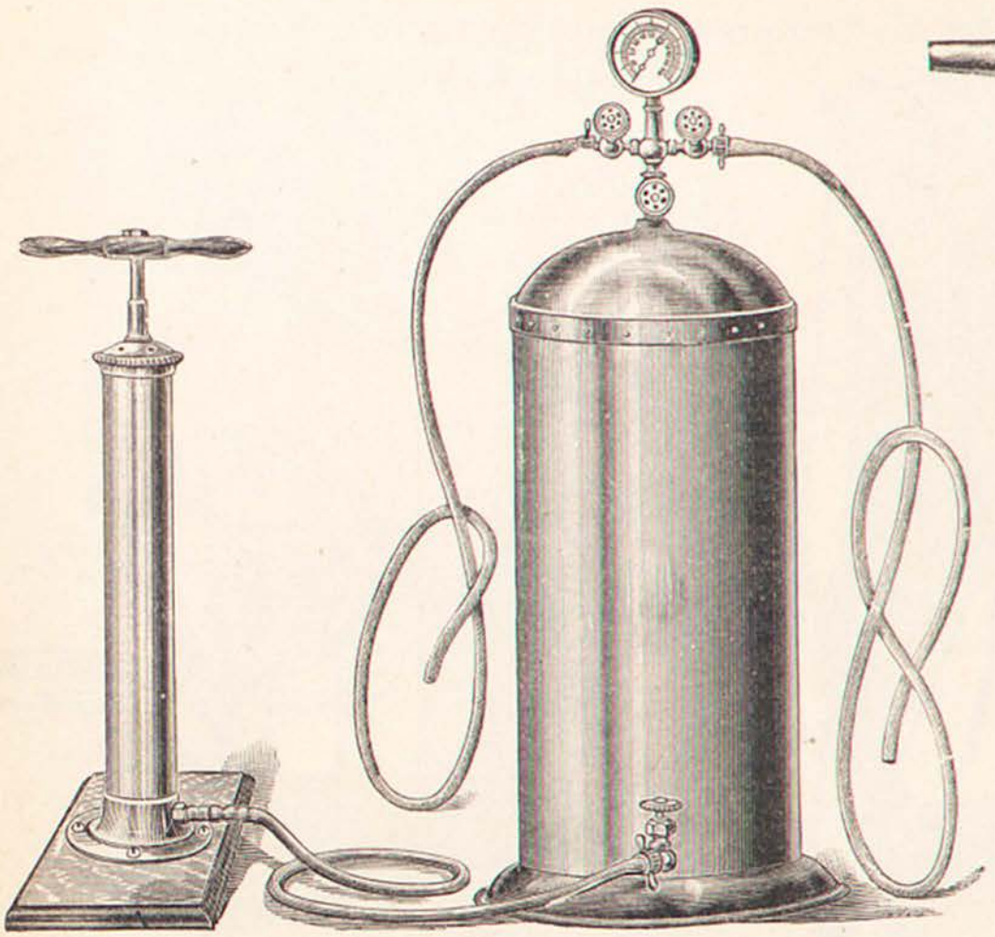
C–4177 **DeVilbiss'** No. 519, set of 6, in electric bulb heater rack, 2 each, Nos. 52 and 80, 1 each, Nos. 56 and 73; in ordering specify whether wanted for 110 or 220 voltage.



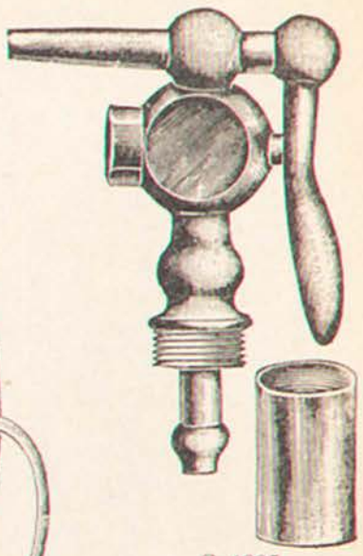
C–4170

C–4171

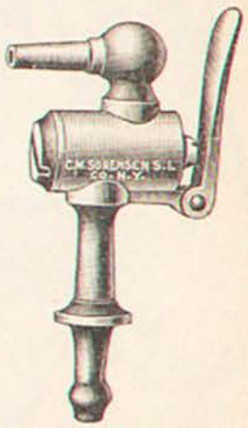
Complete booklet of DeVilbiss spray apparatus furnished on request.



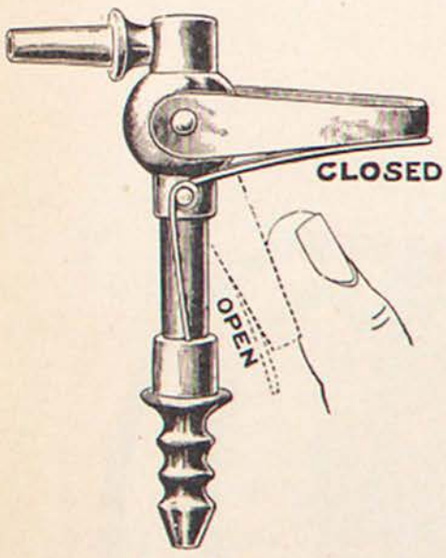
C–4190



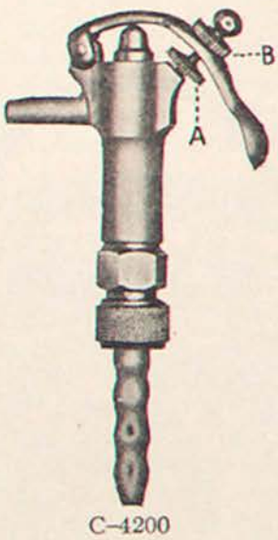
C–4205



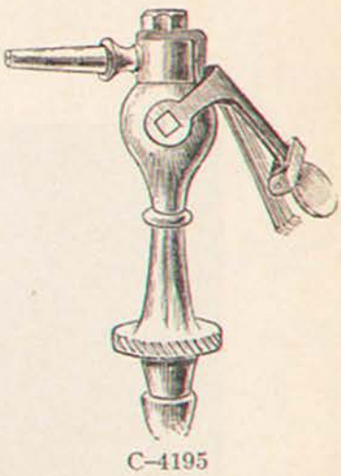
C–4210



C–4215



C–4200

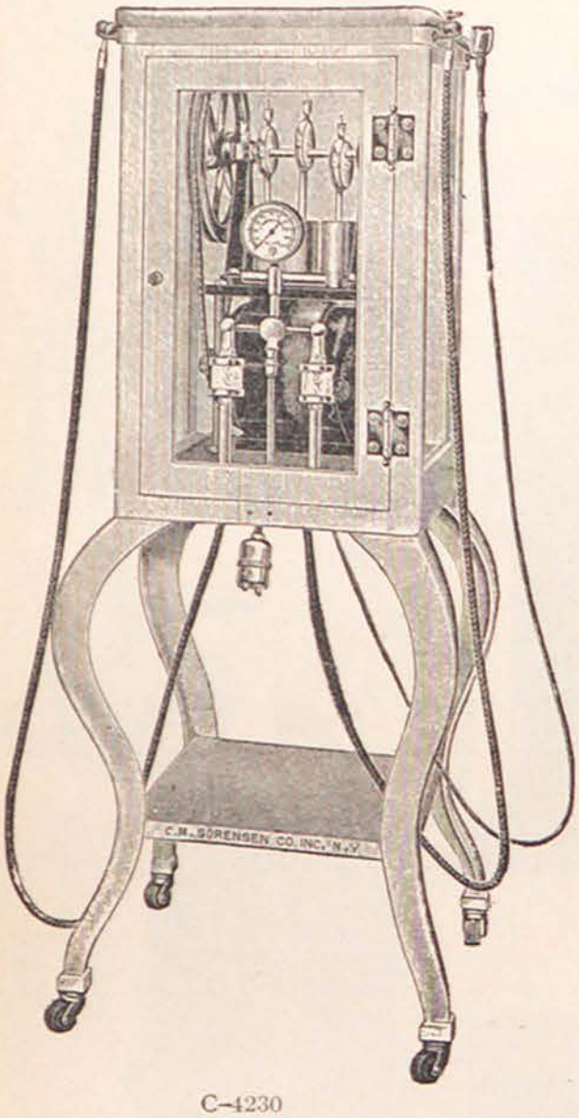


C–4195

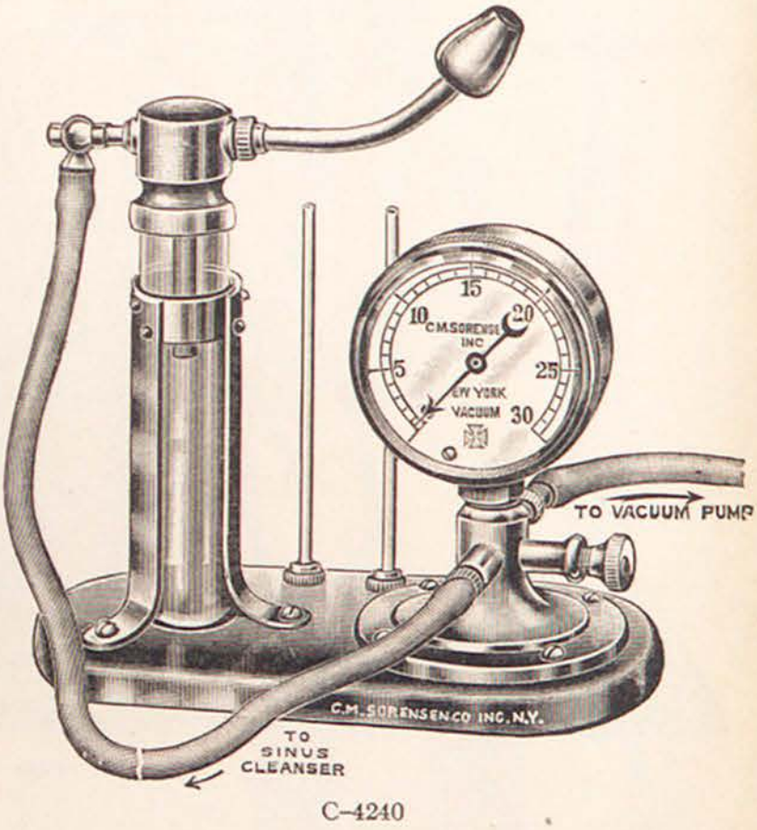
Compressed Air Outfits and Cut-offs

C–4190 Compressed Air Tank, with T-handle pump, set of 3 hard rubber atomizers, 4 feet of silk-covered tubing with cut-off, and 4 feet of linen-lined rubber tubing.
C–4195 **Boekel's,** improved cut-off, automatic.
C–4200 **DeVilbiss',** cut-off, automatic.
C–4205 **Polyclinic,** cut-off, automatic.
C–4210 **Sorensen's,** cut-off, automatc.
C–4215 **Yankauer's,** cut-off, automatic.
*C–4220 Air Pump, double cylinder, lever handle.
*C–4221 Air Pump, single cylinder, T-handle.

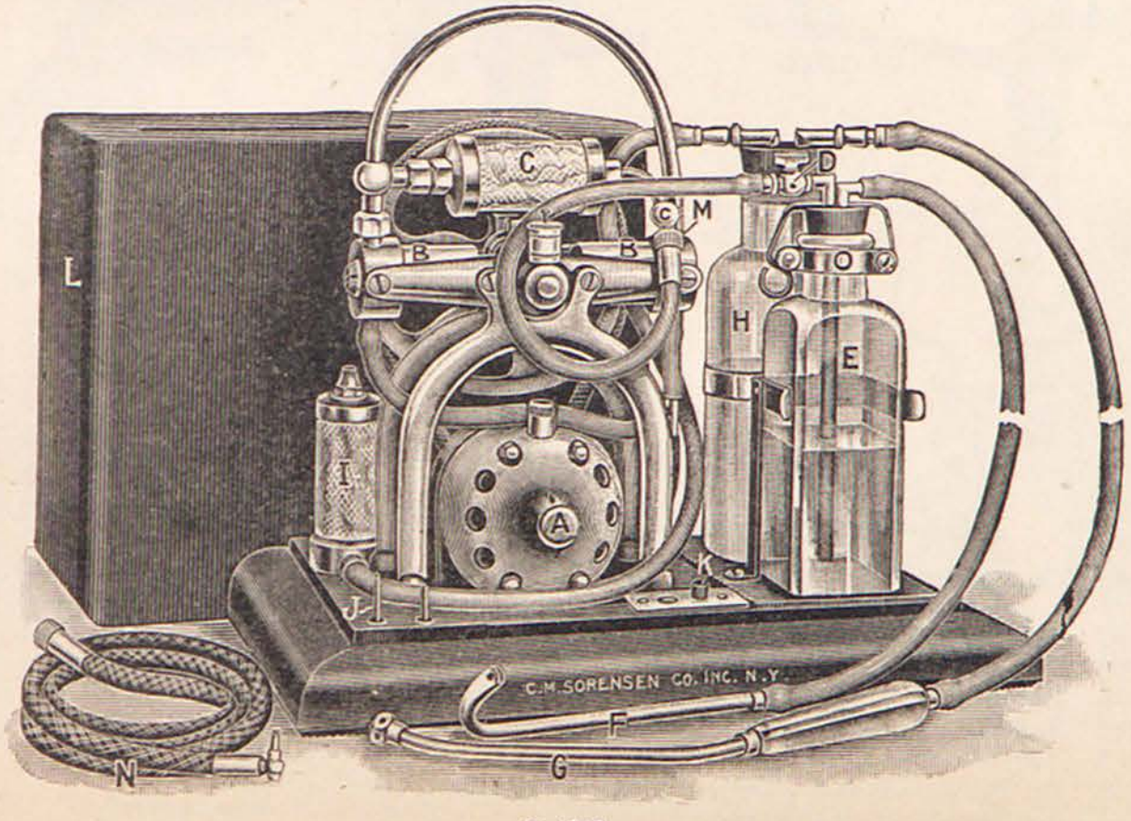
Tankless Air Compressors and Suction Apparatus



C–4230



C–4240



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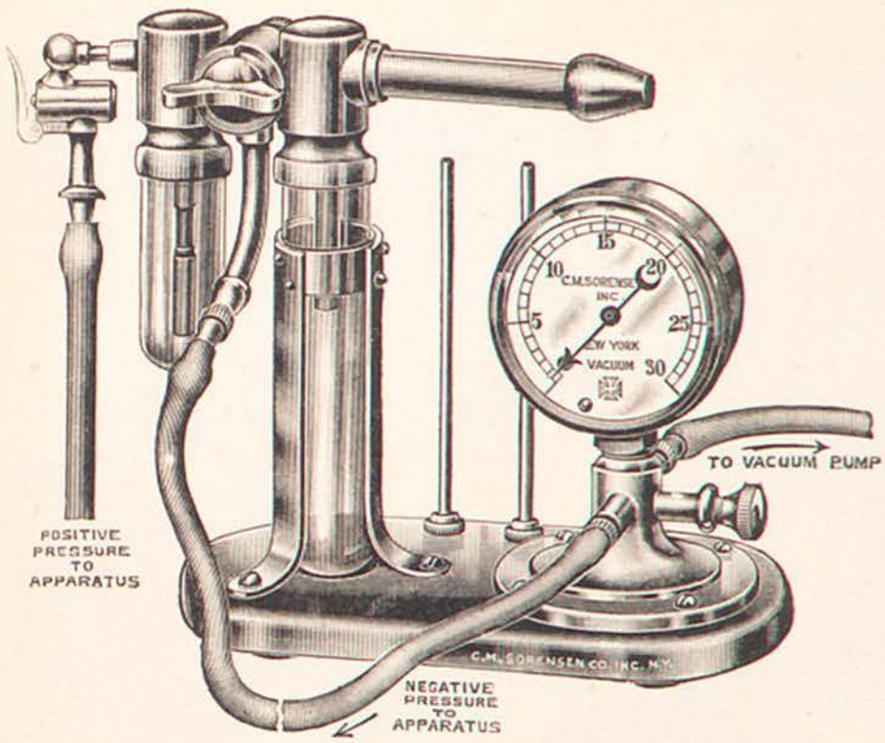
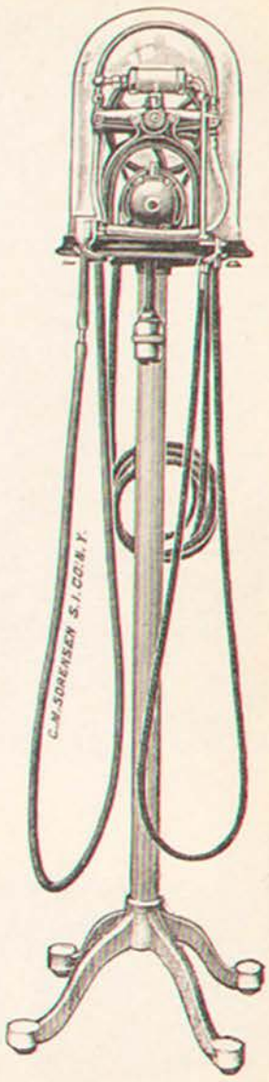


C–4235



C–4231

Tankless Air Compression and Suction Apparatus

C–4230 **Sorensen's** No. 220, in white enamel steel cabinet, 47 inches high, 18 inches wide, net weight 60 pounds, shipping weight 105 pounds, for 110 volt D.C. and 110 volt, 60 cycle A. C. This outfit will give an instant pressure from zero to 50 pounds. It will maintain a steady, continuous pressure of 30 to 40 pounds. It consists of a 1-6 horse-power motor, a 3-cylinder eccentric pump with pressure gauge, two 5-foot silk-covered pressure tubes with cut-offs attached, 5-foot soft rubber tube with suction cup and suction release, one regulator and purifiers, cord and plug, ready for use.

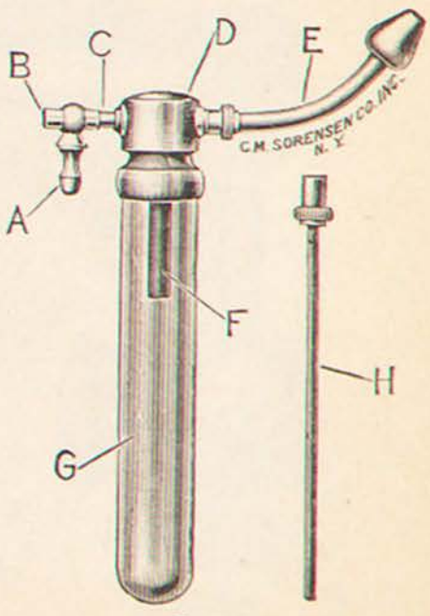
C–4231 **Sorensen's,** Midget, No. 50, on white enamel stand, complete as shown, height 48 inches, motors base 8½ inches, net weight 25 pounds, shipping weight 45 pounds; for 110 volt D.C. or 110 volt, 60 cycle A.C. This outfit will maintain a steady, continuous pressure from 10 to 15 pounds.

C–4235 **Coffin's** Combination Positive and Negative Pressure Apparatus, for cleaning and treating the accessory cavities of the nose.

C–4240 Sorensen's Vacuum Sinus Cleanser, on stand, with vacuum gauge.

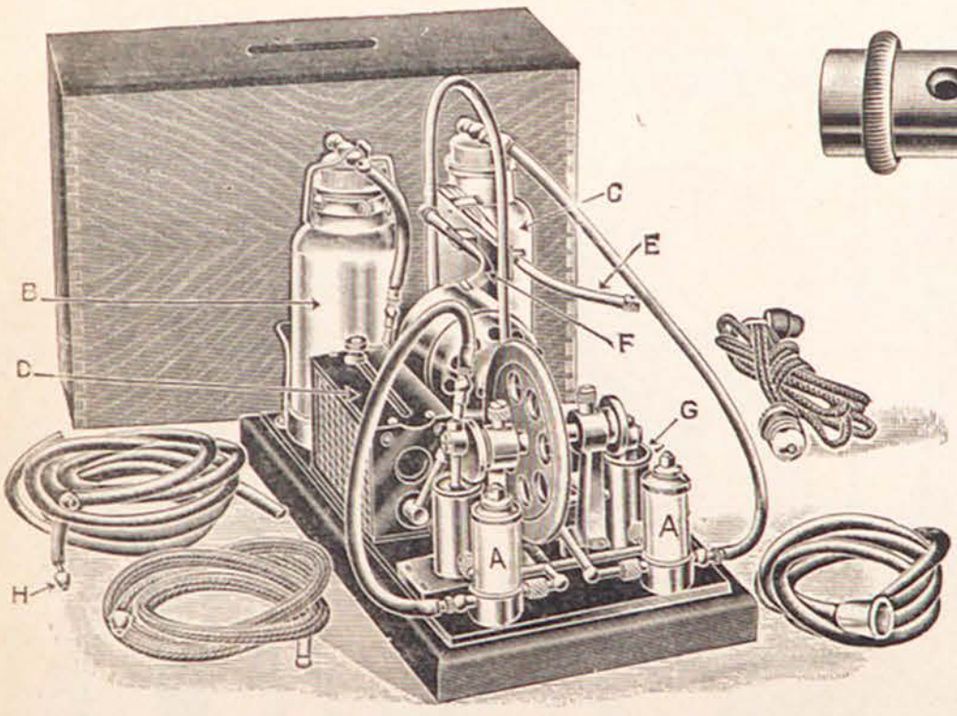
C–4241 Sorensen's Vacuum Sinus Cleanser, without stand and vacuum gauge.

C–4245 **Yankauer's** Combination Pressure and Suction Outfit for 110 volt D.C., and 110 volt, 60 cycle A.C., complete as shown.

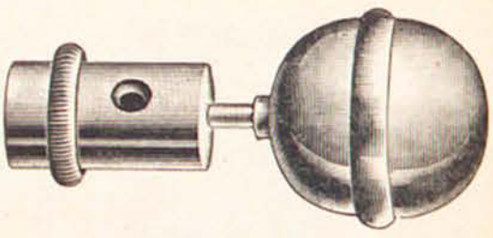


C–4241

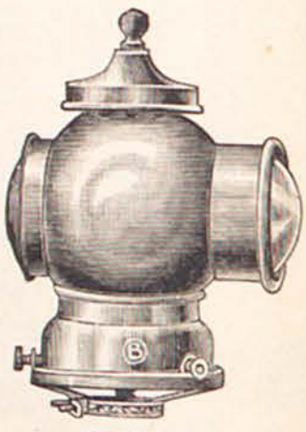
Complete illustrated booklet on Tankless Apparatus sent on request.



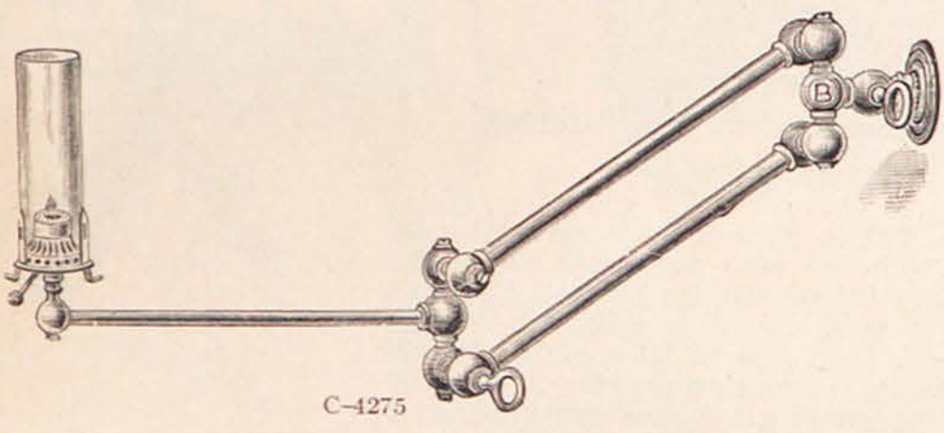
C–4250



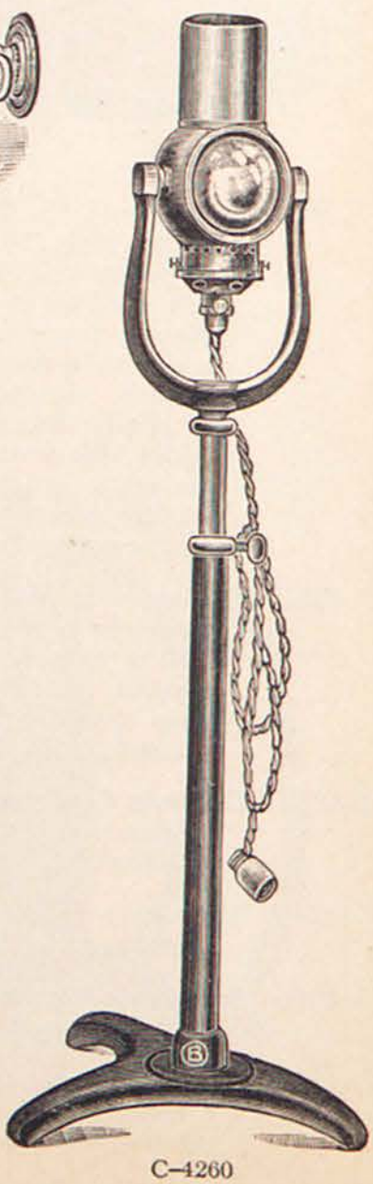
C–4255



C–4265



C–4275

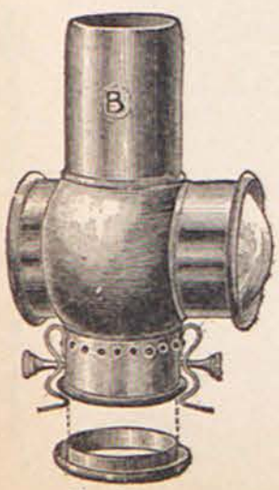


C–4260

Tankless Air Compressors and Suction Apparatus

C–4250 **Steiner** Aeroizer, positive pressure and suction, hot air douche, **Biers'** hyperemia, aero-massage and anaesthetizing; this apparatus heats the ether vapor; the motor is universal for either 110 D.C., or 110 A.C., complete as shown.

C–4255 Safety Valve Float, for use with any tankless suction apparatus; prevents suction bottle from overflowing.



C–4270

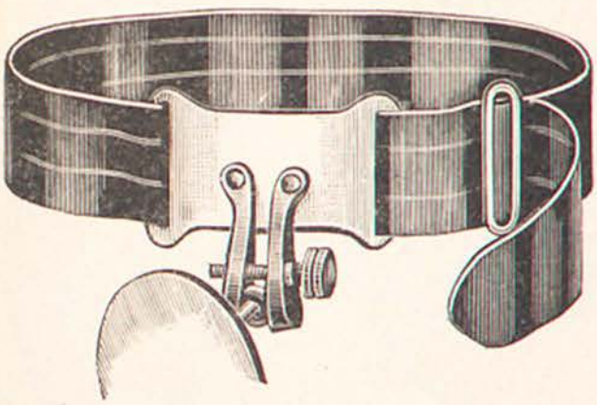
Brackets and Light Condensors

C–4260 **Coakley's,** electric light stand, complete with spiral filament lamp.

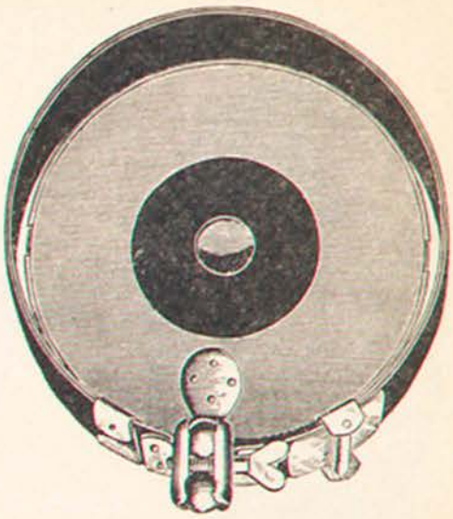
C–4265 Condensor, **Boekel's,** improved, for Edison 16 c.p. lamp.

C–4270 Condensor, **McKenzie's,** for electric light Argand burner or students' lamp.

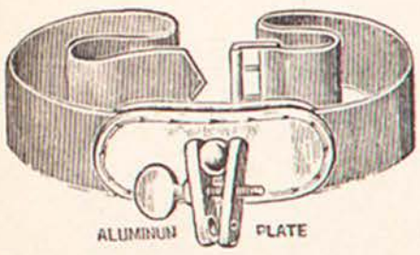
C–4275 Extension Bracket, 2 arm, polished brass or nickel-plated.



C–4300



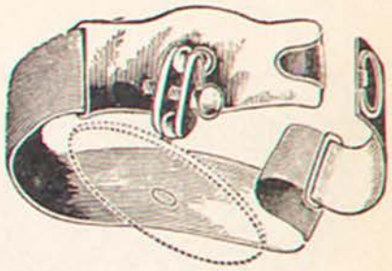
C–4305



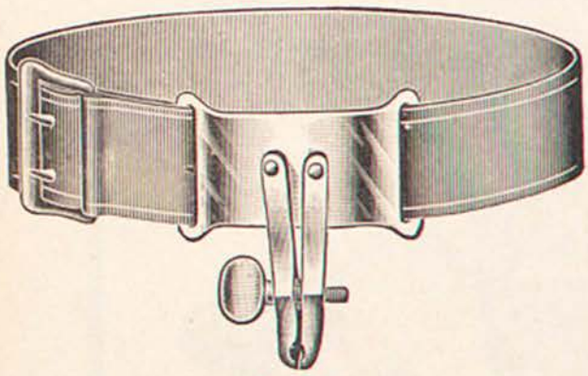
C–4310



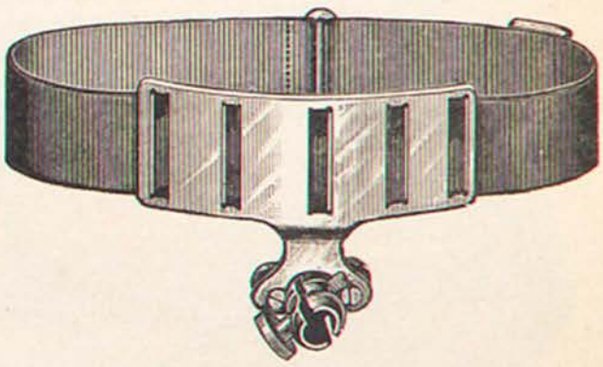
C–4335



C–4315



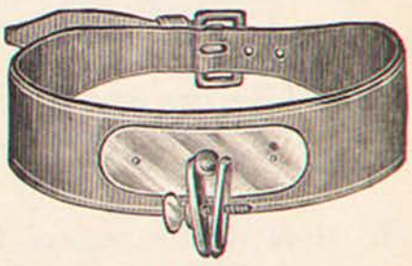
C–4325



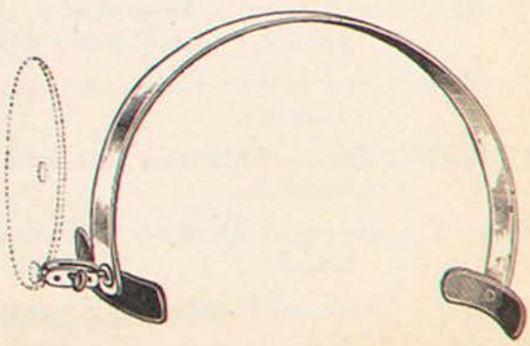
C–4345

Head Bands

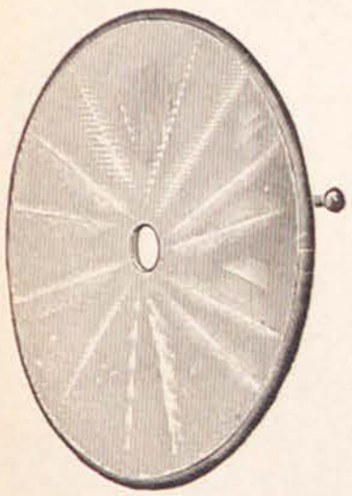
C–4300 **Bosworth's.**
C–4305 **Fraenkel's,** without mirror.
C–4310 **French's,** with silk strap.
C–4315 **Gleason's,** with leather strap.
*C–4320 **Haslam's,** with nose rest.
C–4325 **Ivan's,** webbing band.
C–4330 **Jefferson's,** leather band.
C–4335 **Pynchon's,** adjustable fibre.
*C–4340 **Pynchon's,** metal front plate, hard rubber back, webbing band.
C–4345 **Schroetter's,** with nose rest.
C–4350 **Worrall's,** metal spring, plain.
*C–4351 **Worrall's,** metal spring, folding.
*C–4352 **Worrall's,** metal with cross spring.



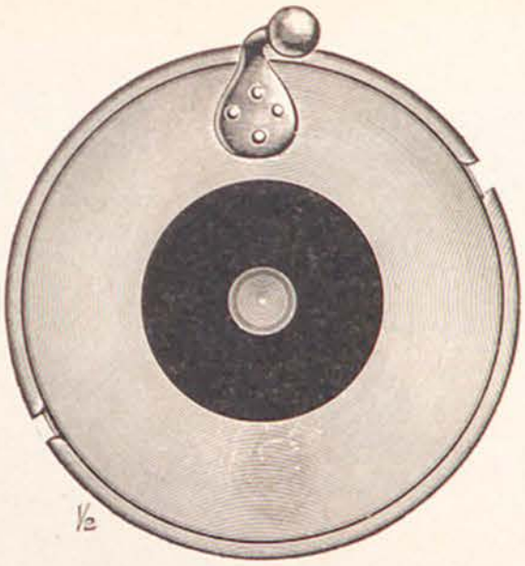
C–4330



C–4350



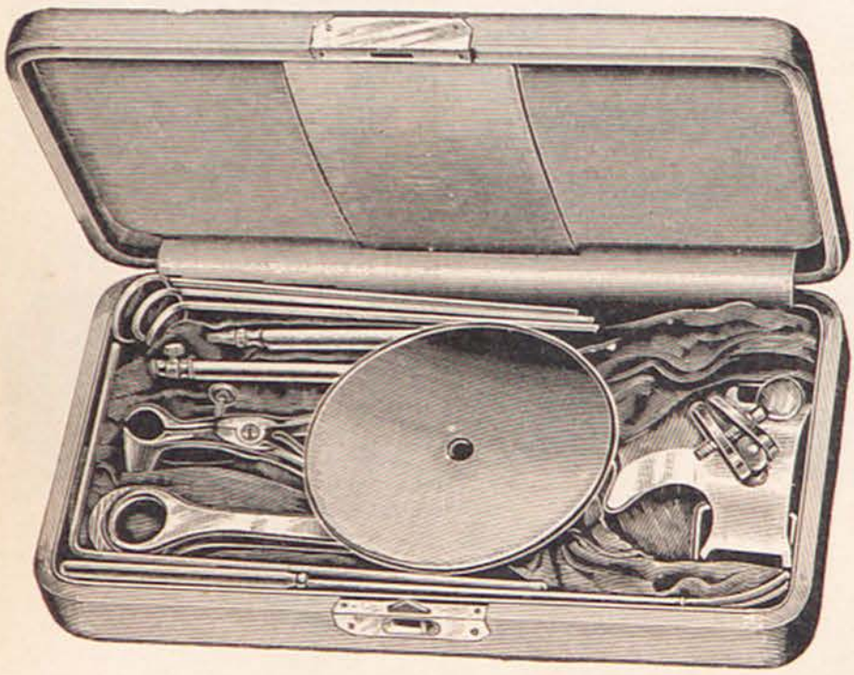
C–4375–76



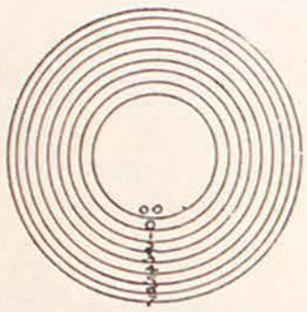
C–4380



C–4385



C–4400



Laryngeal Mirror Sizes

Head Mirrors and Laryngeal Mirrors

C–4375 Head Mirrors, regular, small hole 3, 3½ and 4 inches.

C–4376 Head Mirrors, regular, ½-inch hole, 3, 3½ and 4 inches.

C–4380 Head Mirrors, **Fraenkel's,** aluminum back, with protectors, 3, 3½ and 4 inches.

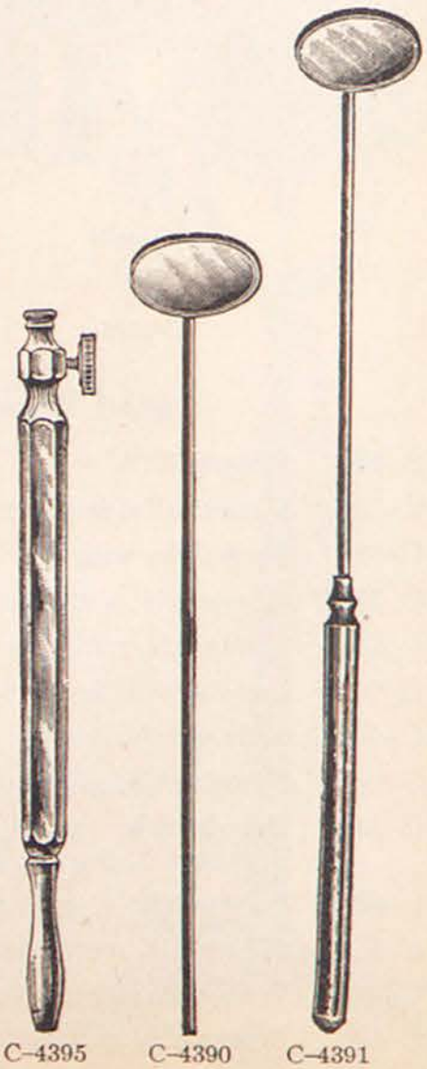
C–4385 Head Mirror Protectors, aluminum, 3, 3½ and 4 inches.

C–4390 Laryngeal Mirrors, without handle, sizes 00 to 7, boilable.

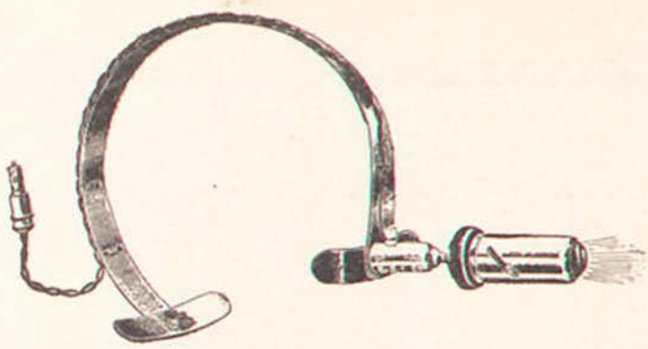
C–4391 Laryngeal Mirrors, with handle, sizes 00 to 7, boilable.

C–4395 Universal Handle for laryngeal mirrors.

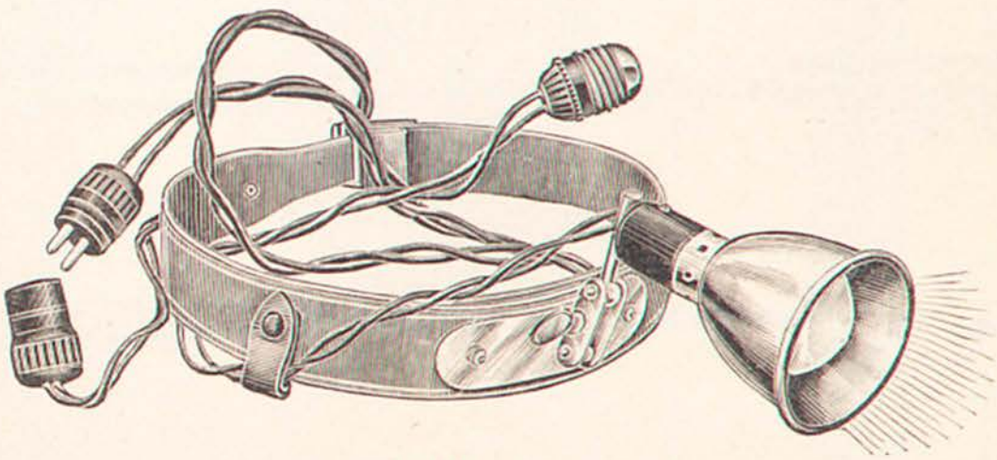
C–4400 Laryngoscopic Set, complete in case.



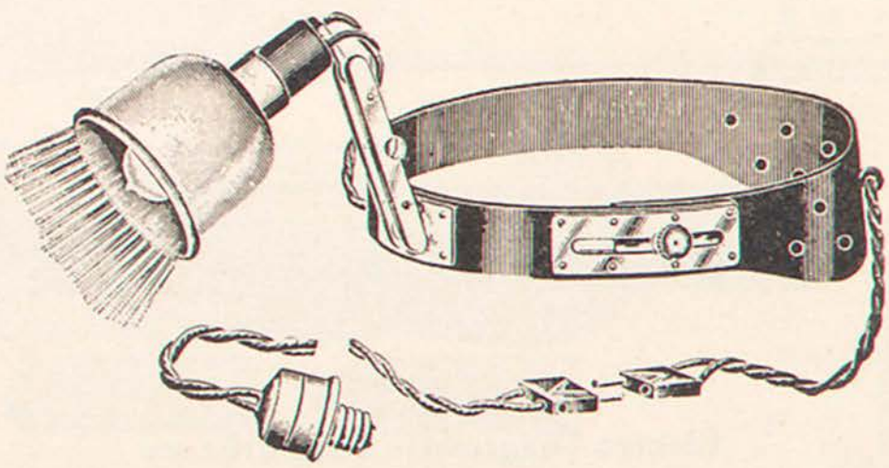
C–4395 C–4390 C–4391



C–4410



C–4415



C–4420

Nasal and Throat Instruments

Electric Headlights

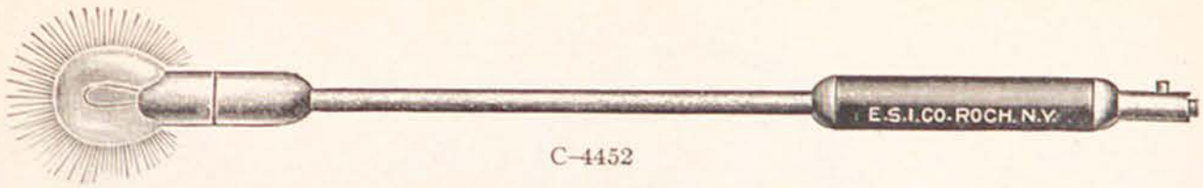
C–4410 **E. S. I. Co.** Headlight, with focusing lens, used with current controller.

C–4415 **Hood's** Headlight, with leather band and nitrogen lamp.

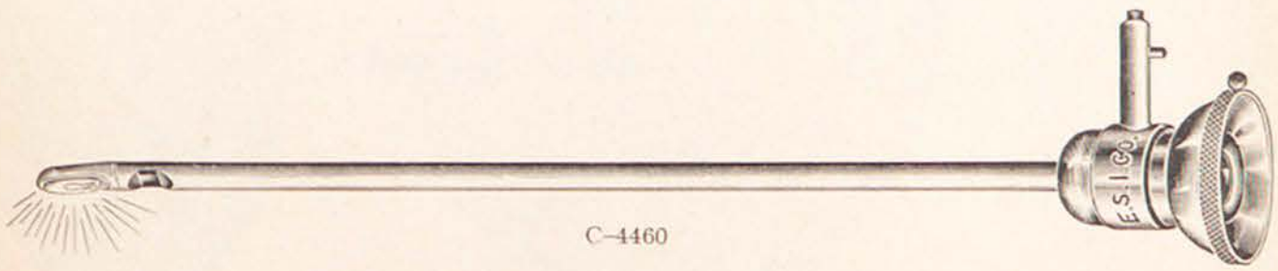
C–4420 **Murphy's** Headlight, adjustable fibre band.

*C–4421 **Murphy's** Headlight, with Worrall's spring headband.

*C–4425 **Pynchon's** Headlight, with Worrall's spring headband.



C–4452



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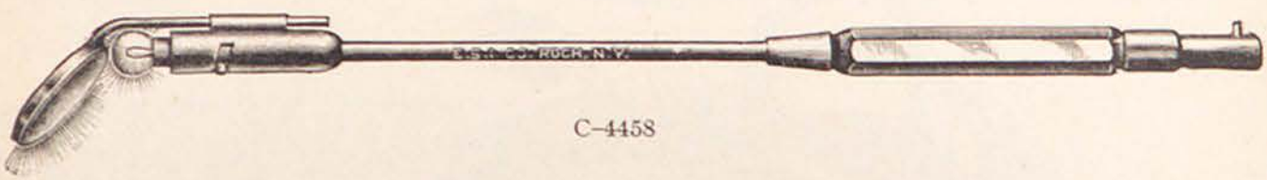


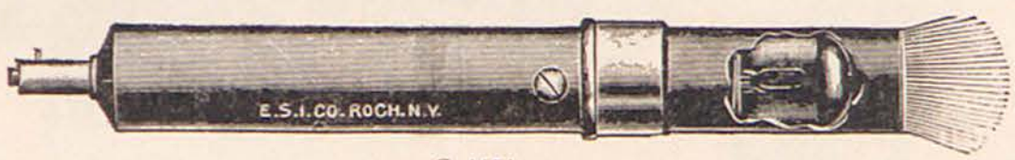
C–4458



C–4456



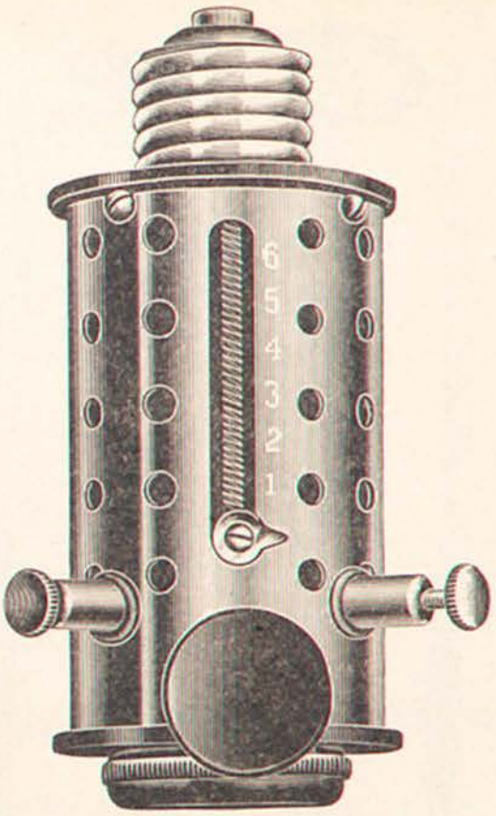
C–4450



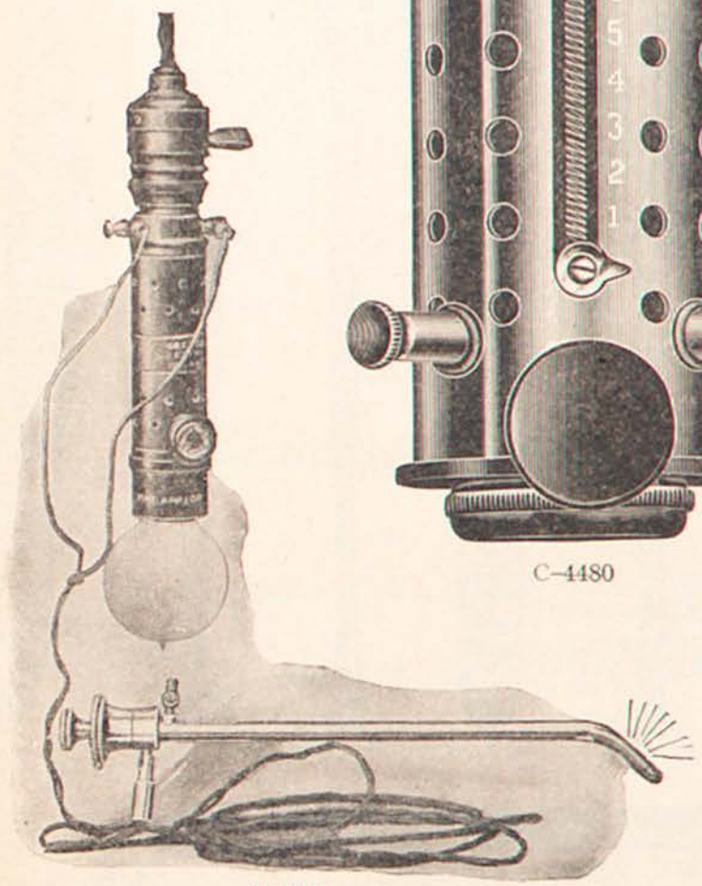
C–4454

Electro Diagnostic Instruments

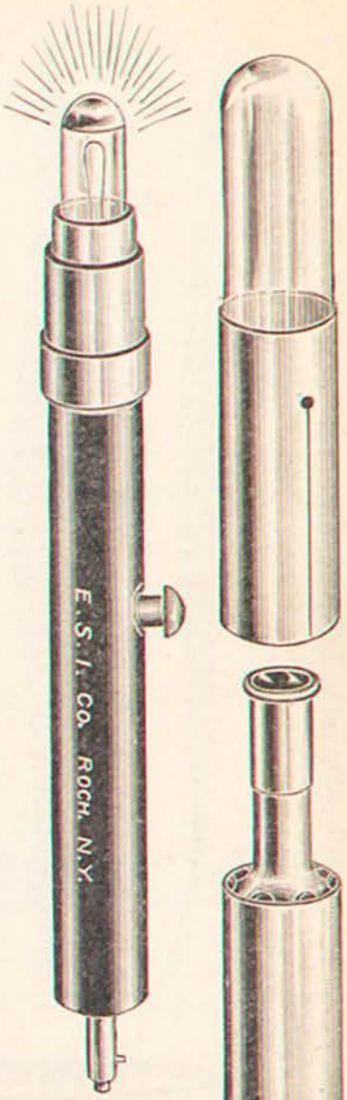
C–4450 **Dowling** Antrum Illuminator, E. S. I. Co.
*C–4451 Extra lamps for above. E. S. I. Co. No. 6.
C–4452 **E. S. I. Co.** Antrum Illuminator.
*C–4453 Extra lamps for above. E. S. I. Co. No. 17 (6 volts), No. 18 (10 volts).
C–4454 **E. S. I. Co.** Frontal Sinus Illuminator.
*C–4455 Extra lamps for above. E. S. I. Co. No. 14 (6 volts), No. 15 (10 volts).
C–4456 **E. S. I. Co.** General Diagnostic Illuminator.
*C–4457 Extra lamps for above. E. S. I. Co. No. 7.
C–4458 **E. S. I. Co.** Laryngoscope and Mouth Lamp.
*C–4459 Extra lamps for above. E. S. I. Co. No. 1.
C–4460 **Holmes** Naso Pharyngoscope, complete in metal case with cords and 1 extra lamp, **E. S. I. Co.**
*C–4461 Extra lamps for the above, remounted. E. S. I. Co.



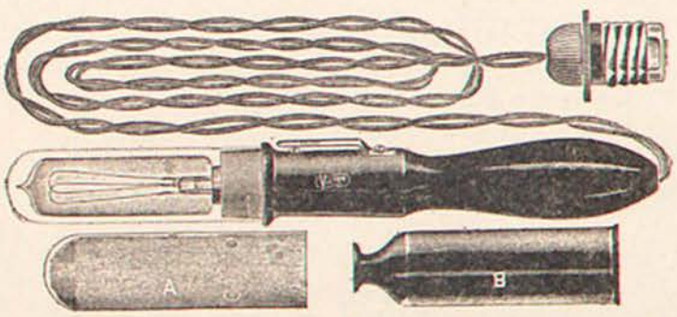
C–4480



C–4475



C–4470



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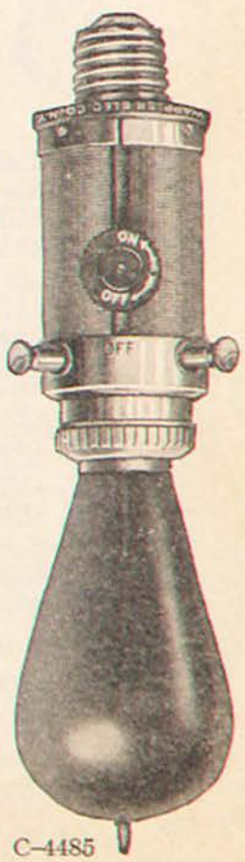


C–4485

Electro Diagnostic Illuminators

*C–4463 **Coakley's** Transilluminator.
C–4465 **Freer-Jackson's** Transilluminator.
*C–4466 Extra lamps for above.
C–4470 **Sullivan's** Antrum and Frontal Sinus Illuminator, E. S. I. Co.
*C–4471 Extra lamps for above. E. S. I. Co. No. 14 (6 volts), No. 15 (10 volts).

Socket Current Controller

C–4475 **E. S. I. Co.,** complete with cords and lamp.
*C–4476 **E. S. I. Co.,** without cords and lamp.
C–4480 **Steiner's,** with lamp.
*C–4485 **Wappler's,** with lamp.
*C–4477 **E. S. I. Co.,** silk-covered cords, regular connection.
*C–4478 **E. S. I. Co.,** silk-covered cords, with make and break connection.
*C–4479 **E. S. I. Co.,** Tungsten battery.



C–4510

C–4505 C–4525 C–4515 C–4516 C–4535 C–4545 C–4555 C–4550 C–4520



C–4560

Dermal Instruments

Comedo Extractors

*C–4500 **Jackson's,** acne lancet.
*C–4501 **Jackson's,** comedo expressor.
C–4505 **Martin's,** double.
C–4510 **Piffard's.**
C–4515 **Saalfield's,** with acne lancet.
C–4516 **Saalfield's,** short, with acne lancet.
C–4520 **Schamberg's,** illustration full size.
C–4525 **Unna's,** double.



C–4536

Dermal Curettes

C–4535 **Fox's.**
C–4536 **Fox's,** with acne lancet.
*C–4540 **Hebra's.**
C–4545 **Piffard's.**
C–4550 **Stelwagon's,** 2 sizes of long oval spoons.
C–4555 **Wright's.**

Pencil

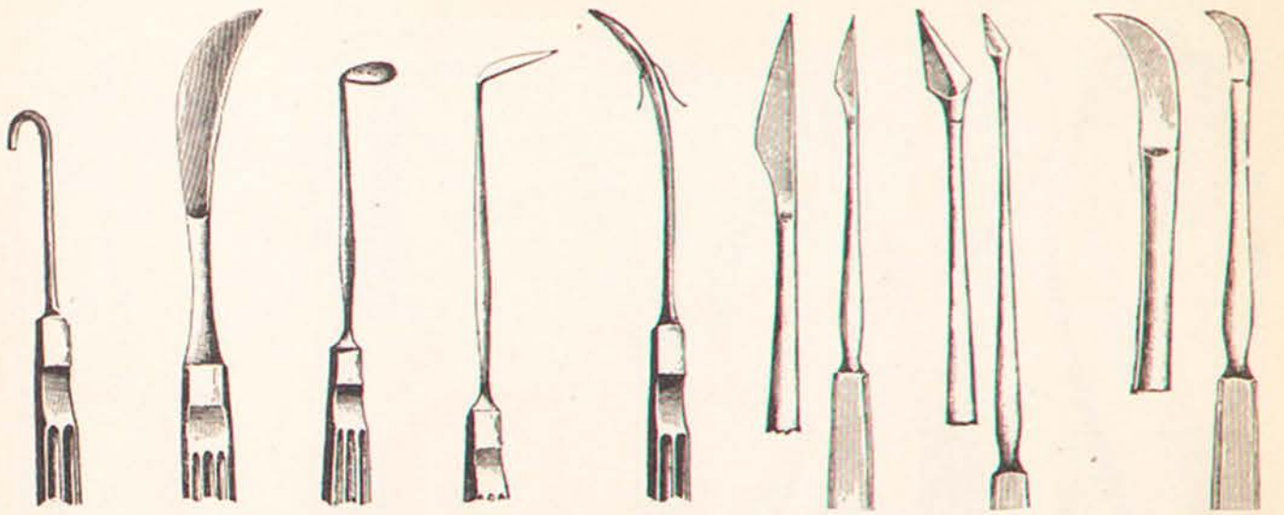
C–4560 Dermatograph, with metal protecting cap, blue or red.

Punch

C–4565 **Keyes',** cutaneous, sizes 2 to 7 mm. For eradicating powder marks, moles, etc.



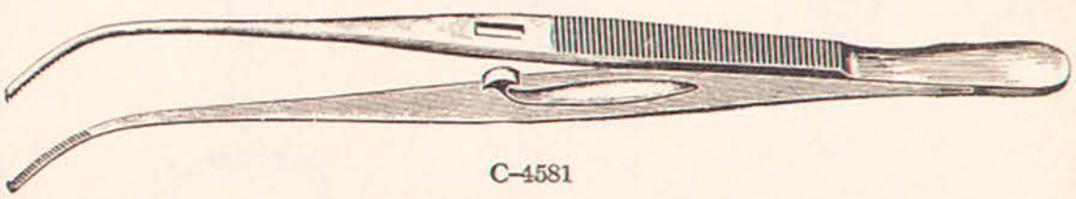
C–4565



C–4602 C–4613 C–4614 C–4611 C–4616 C–4607 C–4609 C–4608



C–4610



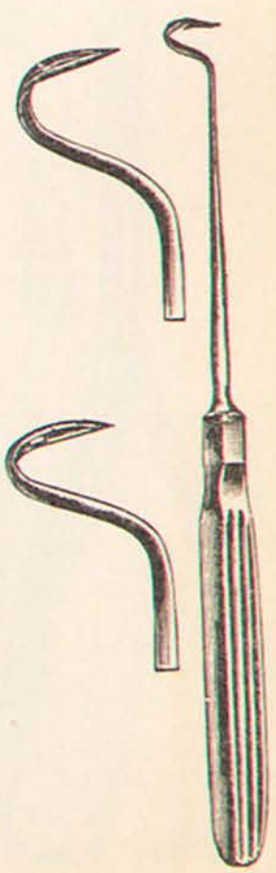
C–4581



C–4580

Staphylorraphy Instruments

*C–4575 Forceps, tissue, straight, 1 x 2, 3 x 4, 4 x 5 teeth.
*C–4576 Forceps, tissue, curved, 1 x 2, 3 x 4, 4 x 5 teeth.
C–4580 Forceps, tissue, **Brophy's,** straight.
C–4581 Forceps, tissue, **Brophy's,** curved.
*C–4583 Forceps, plain, **Brophy's,** straight, serrated points, 6½ inches.
*C–4585 Forceps, tongue, London pattern.
*C–4590 Forceps, **Brophy's,** wire twisting.
*C–4595 Forceps, **Walcher's,** suture removing.
*C–4600 Hook, **Brophy's,** ligature.
*C–4601 Hook, **Langenbeck's,** sharp.
C–4602 Hook, **Updegraff's,** curved, sharp.
*C–4605 Knife, **Brophy's,** straight scalpel, long shank.
*C–4606 Knife, **Brophy's,** double edged.
C–4607 Knife, **Brophy's,** straight back, very thin,
C–4608 Knife, **Brophy's,** curved bistoury.
C–4609 Knife, **Brophy's,** angular, double edged.
C–4610 Knife, **Crile's.**
C–4611 Knife, paring.
*C–4612 Knife, **Updegraff's,** curved, sharp.
C–4613 Knife, **Whitehead's,** gum.
C–4614 Knife, **Whitehead's,** hoe shape.
C–4615 Needle, **Deschamps',** right and left, sharp.
C–4616 Needle, **Updegraff's,** half curved.
*C–4617 Needle, **Updegraff's,** full curved.



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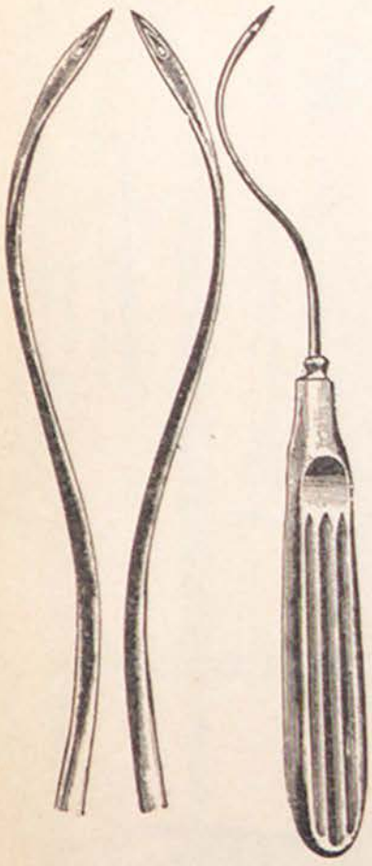

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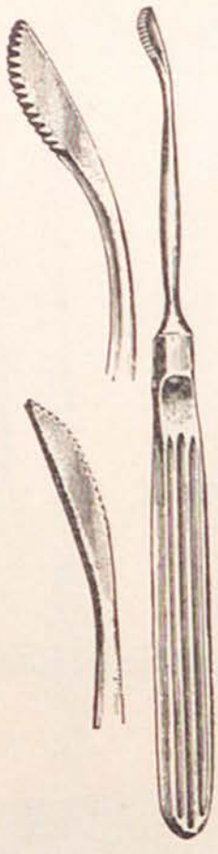

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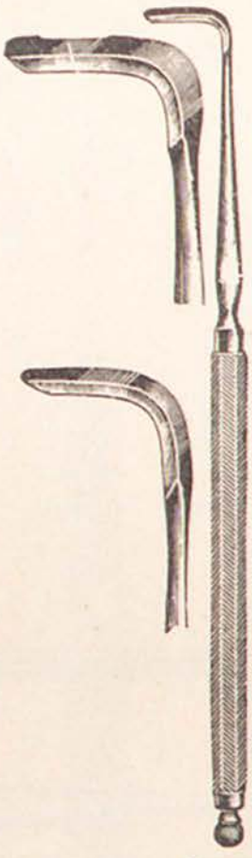
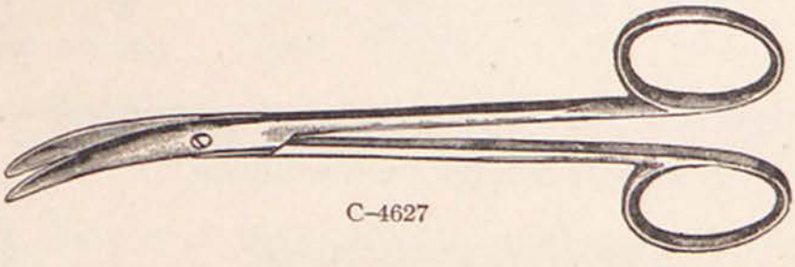


C–4622



C–4623



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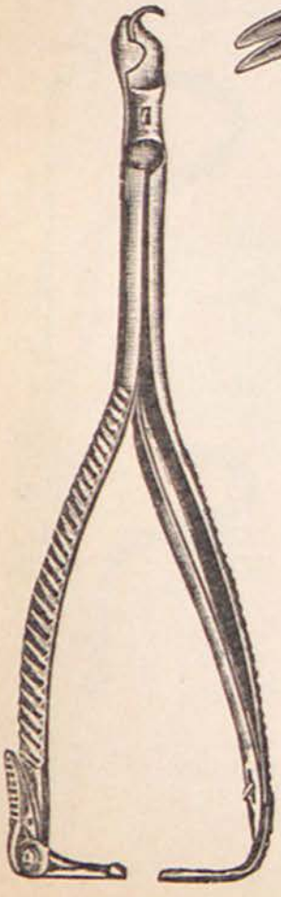
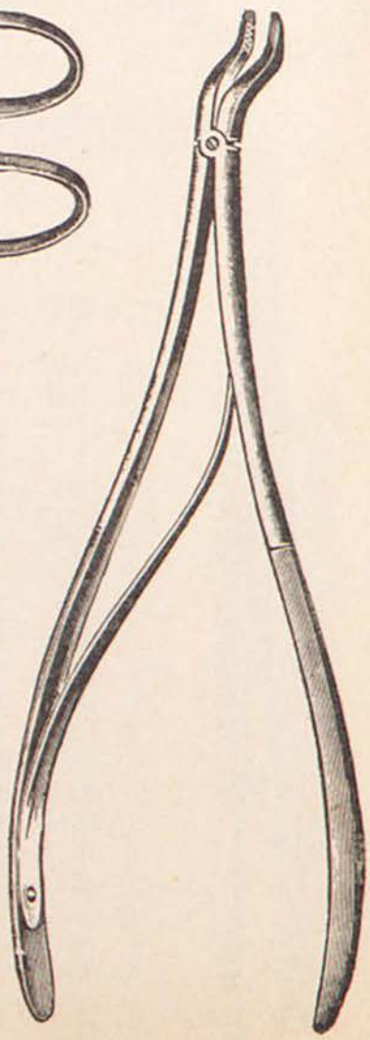


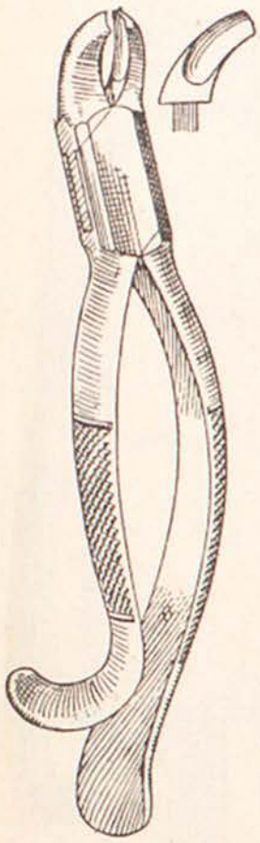
C–4620

Staphylorraphy Instruments

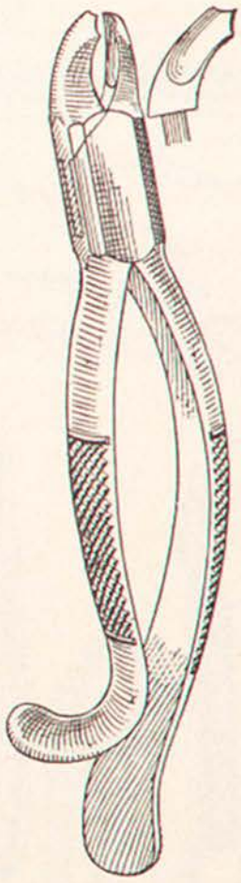
C–4618	Needle, **Brophy's,** bone, right and left.
*C–4619	Needle, **Whitehead's,** spiral.
C–4620	Needle Holder, **Brophy's,**
C–4621	Needle Holder, **Von Eiselberg's.**
C–4622	Pereosteotome, **Brophy's,** right angle, narrow and wide.
C–4623	Pereosteotome, **Brophy's,** acute angle, narrow and wide.
*C–4624	Plates, lead, **Brophy's,** 2 thicknesses (operation requires 6).
*C–4625	Punch, **Brophy's,** for lead plates.
C–4626	Scarifyers, **Brophy's,** right and left.
C–4627	Scissors, **Brophy's,** gum, 5¾ inches.
*C–4628	Scissors, **Brophy's,** wire cutting.
*C–4629	Shield with nipple, for nursing bottle.
*C–4630	Shield, breast, for cleft palate babies.
*C–4631	Speculum, **Brophy's,** oval, set of 4 sizes.



C–4621



C–4653



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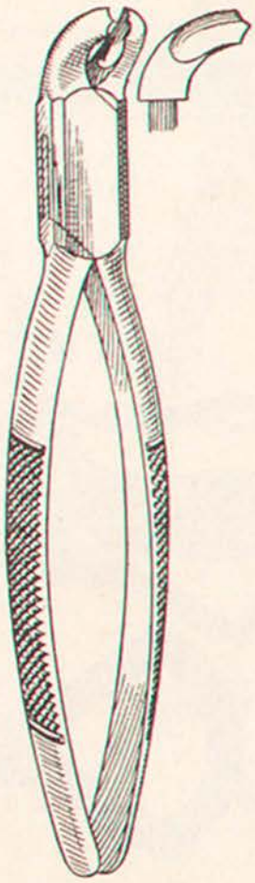

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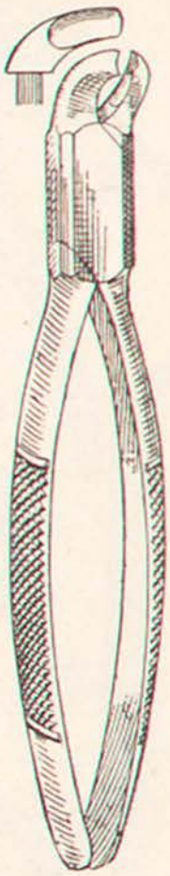

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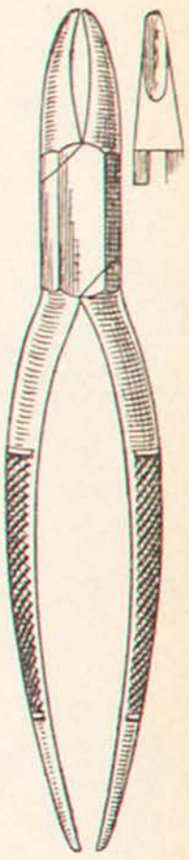
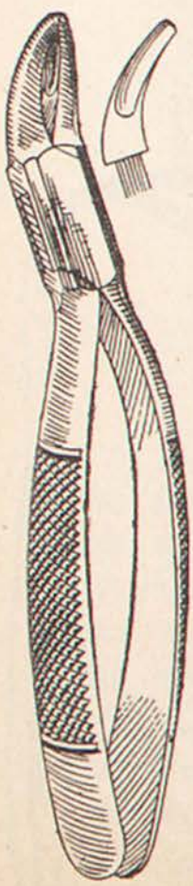


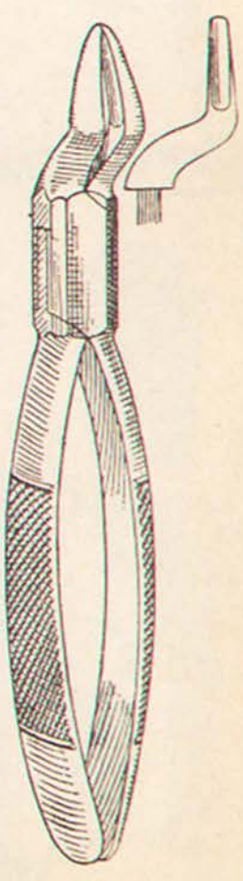
C–4662

Dental Forceps



C–4665

*C–4650	Incisor Forceps, curved, lower, No. 14.
*C–4651	Incisor Forceps, upper, No. 13.
*C–4652	Molar Forceps, upper or universal, No. 8.
C–4653	Molar Forceps, upper or universal, curved handles, No. 24.
C–4654	Molar Forceps, upper, right, No. 18 R.
*C–4655	Molar Forceps, upper, left, No. 18 L.
C–4656	Molar Forceps, lower, either side, beaked jaw, No. 17.
C–4657	Molar Forceps, lower, either side, plain jaw, No. 27.
*C–4658	Molar Forceps, lower, right, No. 28 R.
*C–4659	Molar Forceps, lower, left, No. 28 L.
*C–4660	Root Extractors or Elevators, ebony handle, 12 styles.
*C–4661	Root Extractors or Elevators, metal handle, 12 styles.
C–4662	Root Forceps, straight, No. 1.
*C–4663	Root Forceps, half curved, upper, No. 2.
*C–4664	Root Forceps, full curved, lower, No. 3.
C–4665	Root Forceps, upper, universal, No. 7.
C–4666	Root Forceps, upper back, bayonet, No. 35



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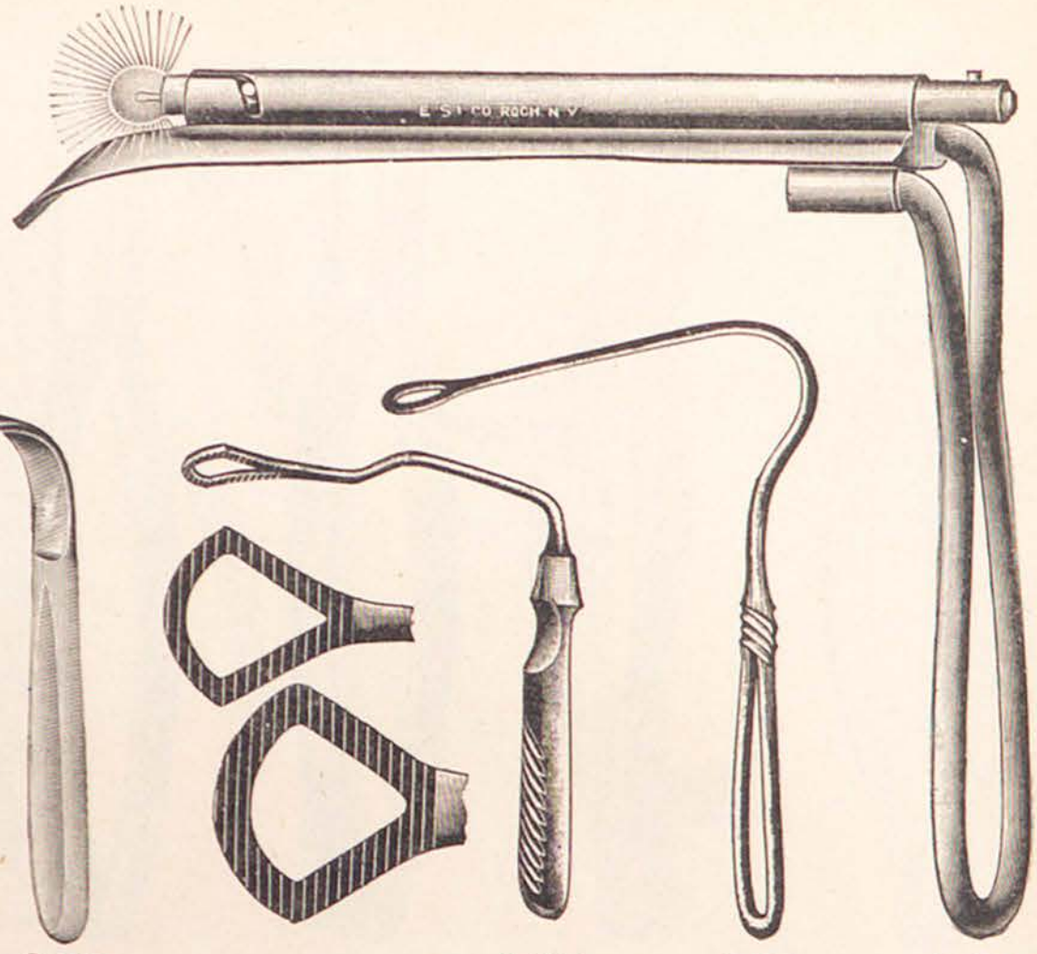
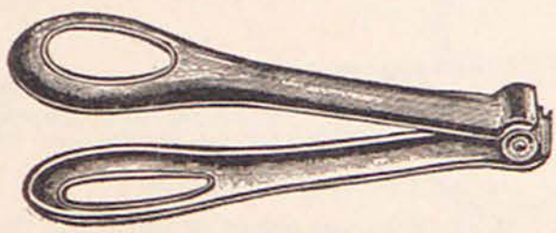
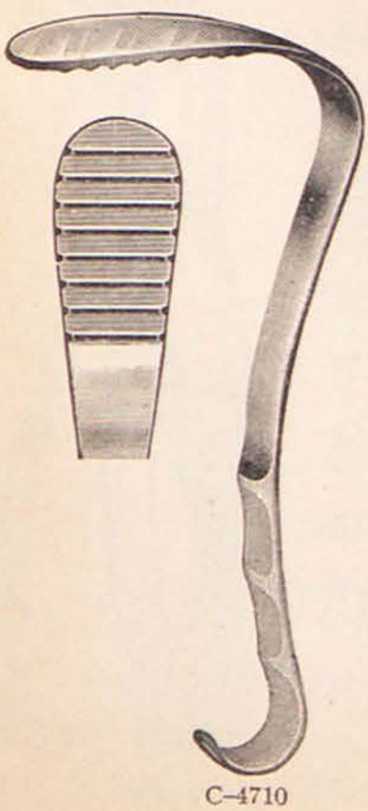


C–4685 C–4720 C–4698 C–4690



C–4700

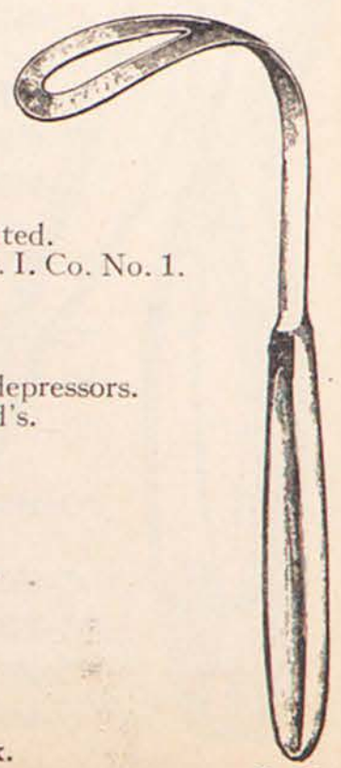


C–4710

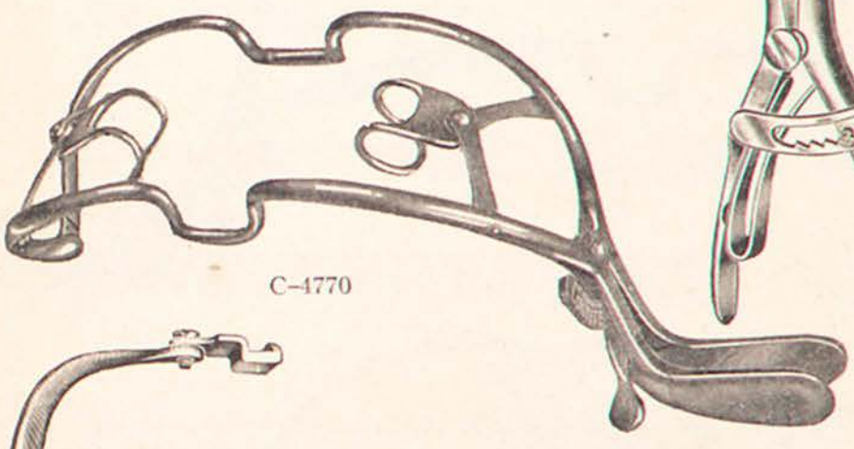
Oral Instruments

Tongue Depressors

*C–4680	**Andrew's,** steel.
C–4685	**Bosworth's.**
C–4690	**E. S. I. Co.,** electrically lighted.
*C–4691	Extra lamps for above. E. S. I. Co. No. 1.
C–4695	**Farlow's,** forged steel.
C–4698	**Fraenkel's.**
C–4700	Folding, double fenestrated.
*C–4705	**Haslam's** handle for wood depressors.
C–4710	**Hamilton's,** adult and child's.
*C–4715	**Jackson's.**
*C–4718	**Kyle's.**
C–4720	**Layman's,** 2 sizes.
*C–4725	**Pierce's,** steel.
*C–4730	**Pynchon-Andrews',** latest.
*C–4735	**Sass',** plain.
*C–4740	**Sass',** fenestrated.
*C–4745	**Sawyer's.**
*C–4750	**Snowden's,** folding.
*C–4755	Wire, folding.
*C–4760	Wood Depressors, 500 in box.



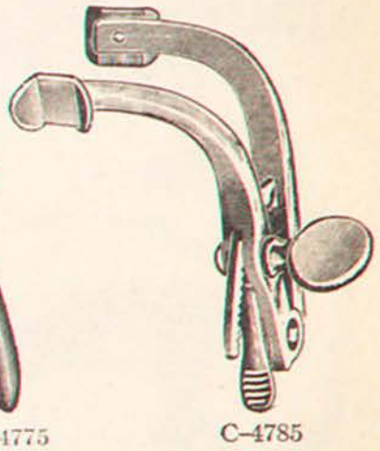
C–4695



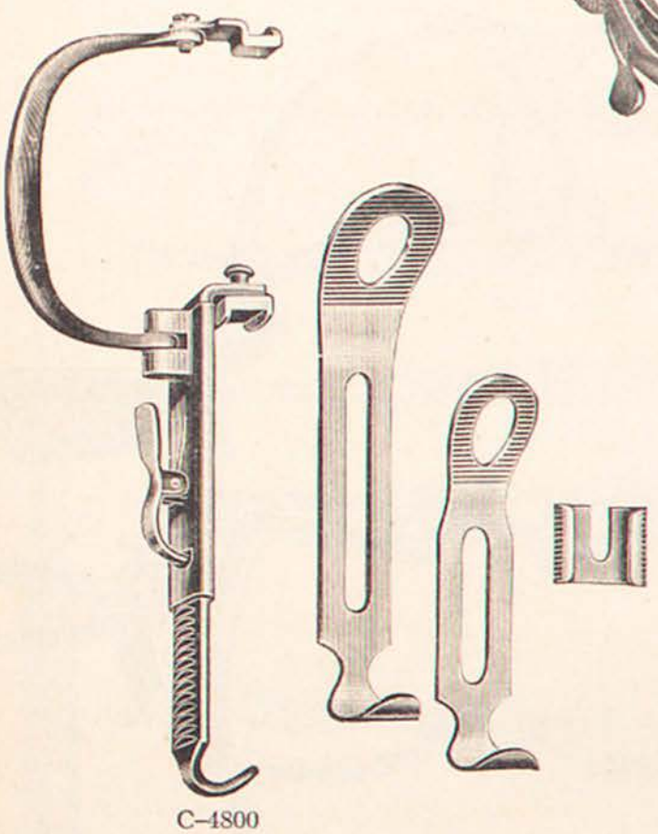
C–4770



C–4775



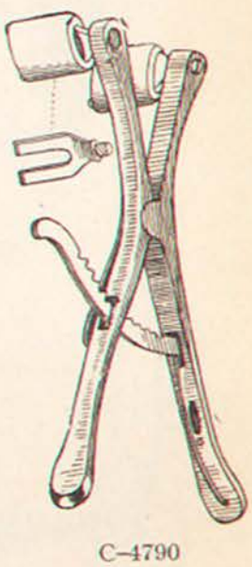
C–4785



C–4800



C–4780

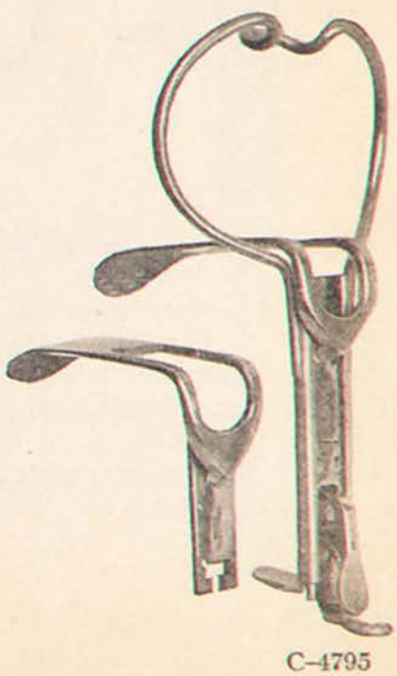


C–4790

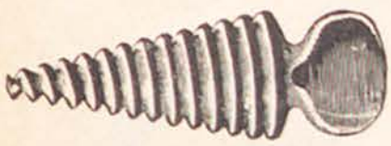
Throat Instruments

Mouth Gags (see also page 61)

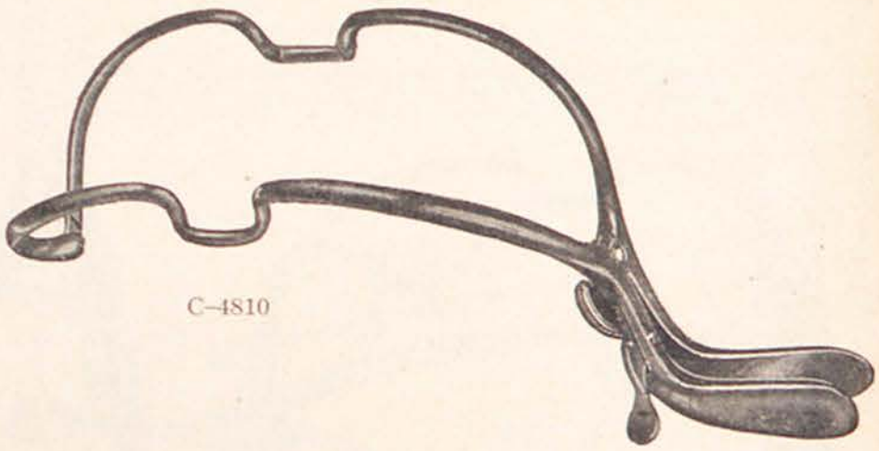
*C–4765 **Alter-Jenning's.**
C–4770 **Dann-Jenning's,** with cheek retractors, 2 sizes.
C–4775 **Denhardt's,** steel.
*C–4776 **Denhardt's,** with anaesthesia tubes.
C–4780 **Doyen's,** with anaesthesia tubes.
*C–4781 **Doyen's,** plain.
C–4785 **Ferguson's,** steel.
*C–4786 **Ferguson-Gwathmey's,** with anaesthesia tubes.
C–4790 **French's,** steel.
C–4795 **Forgrave's,** new.
C–4800 **Green-Martin's,** latest.



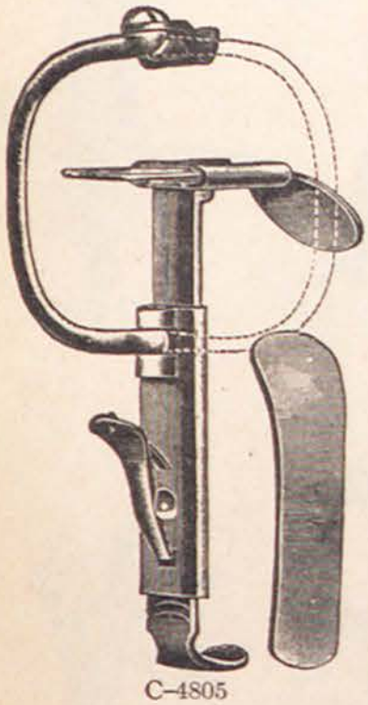
C–4795



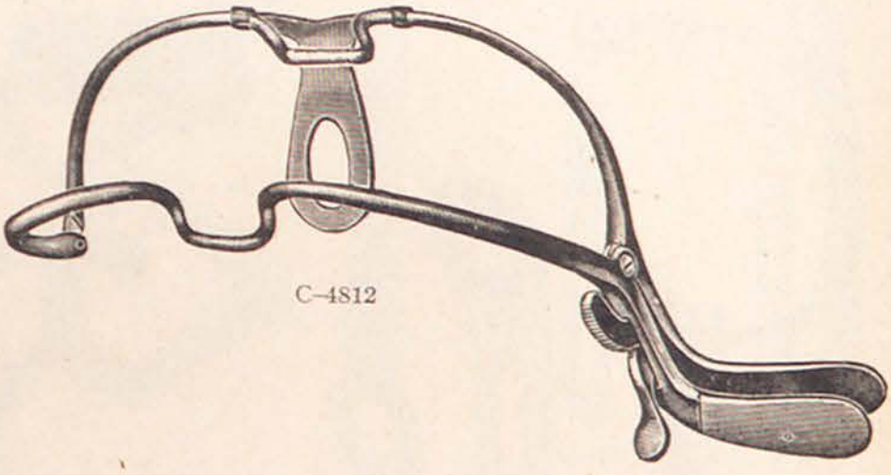
C–4820



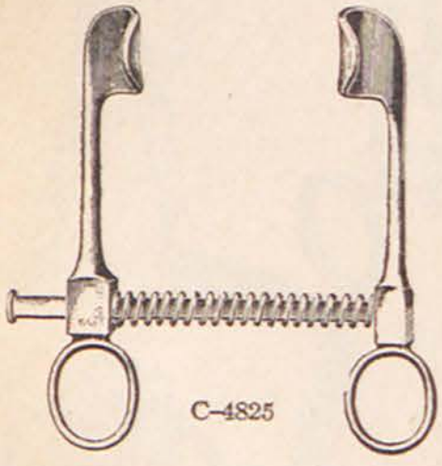
C–4810



C–4805



C–4812



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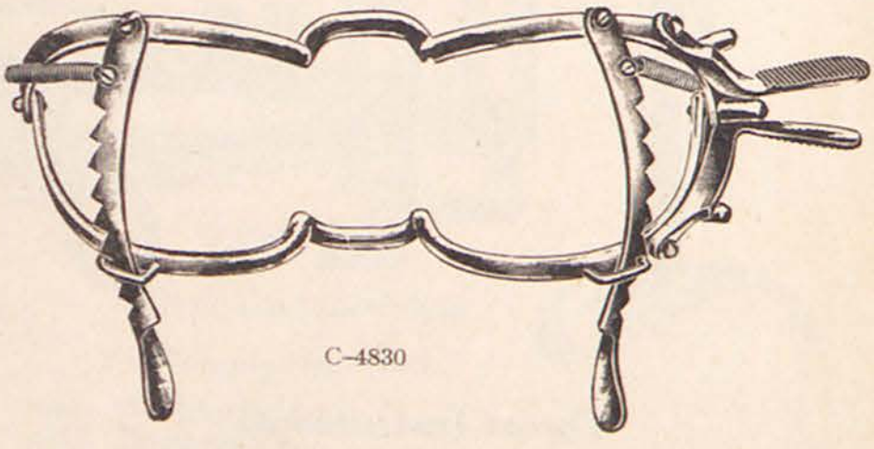


C–4830

Throat Instruments

Mouth Gags (see also page 61)

C–4805 **Green-Sewall's,** with two tongue depressors.

*C–4806 **Green-Sewall's,** depressor with anaesthesia tube.

C–4810 **Jenning's,** 2 sizes.

*C–4811 **Jenning's,** with anaesthesia tube, 2 sizes.

C–4812 **Jenning's,** with tongue depressor, 2 sizes.

*C–4815 **Murdoch's,** steel.

C–4820 Oral screw, hard rubber.

C–4825 **Stubb's,** steel.

C–4830 **Whitehead's,** plain, 2 sizes.

*C–4831 **Whitehead's,** with tongue depressor, 2 sizes.

*C–4832 **Whitehead's,** with handles at both ends.

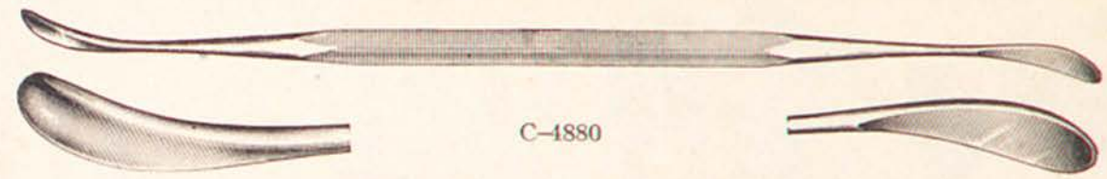
Uvula Retractors and Scissors

*C–4840 **Hind's** Retractor.

*C–4845 **Roe's** Retractor.

*C–4850 **White's** Self-retaining Retractor.

*C–4855 **Wood's** Uvula Scissors.



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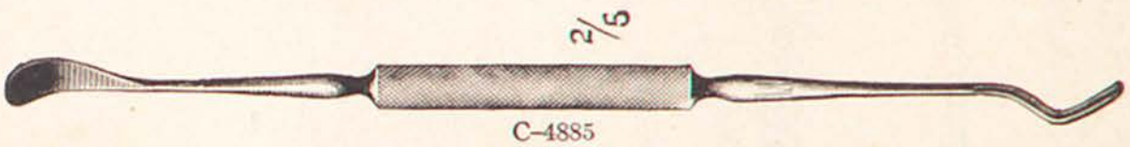


C–4885



C–4950



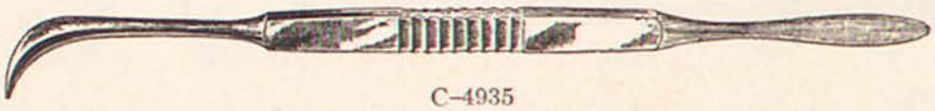
C–4875



C–4910



C–4925



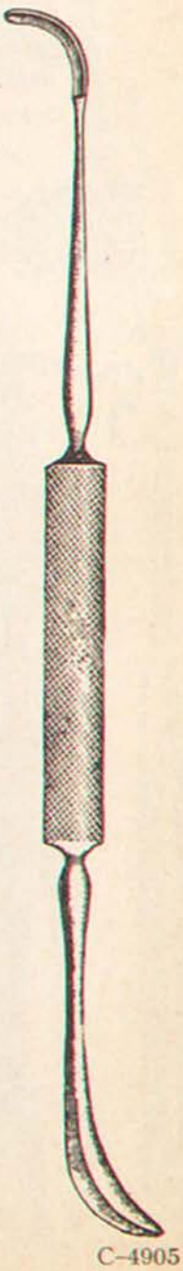
C–4935



C–4955-4956



C–4930



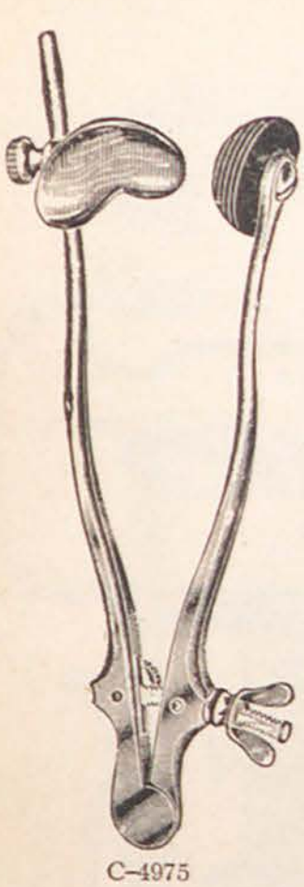
C–4905

Tonsil Curettes

*C–4870 **Abraham's.**
*C–4875 **Meierhof's.**

Tonsil Dissectors

C–4880 **Allerdyce's,** double ended.
C–4885 **Carpenter's,** double ended, latest model.
*C–4890 **Cullom's,** double ended, right and left.
*C–4895 **Dickinson's,** dissector.
*C–4900 **Freer's,** pillar separator.
C–4905 **Harris',** dissector and knife.
C–4910 **Hurd's,** dissector and pillar retractor.
*C–4915 **Lynch's,** dissector.
*C–4920 **Martin's,** double ended, blades serrated on one side.
C–4925 **McWhinnie's,** dissector and spoon.
C–4930 **Millette's,** dissector and knife.
C–4935 **Smith's,** double ended.
*C–4940 **Tivnen's,** dissector and enucleator.
*C–4945 **Todd's,** dissector.
C–4950 **Winkler's,** enucleator.
C–4955 **Yankauer's,** large.
C–4956 **Yankauer's,** small.



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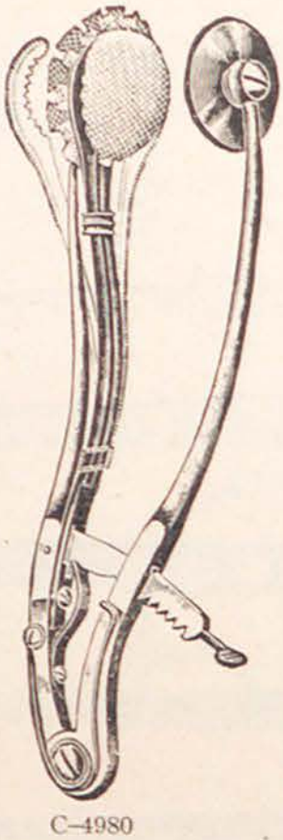

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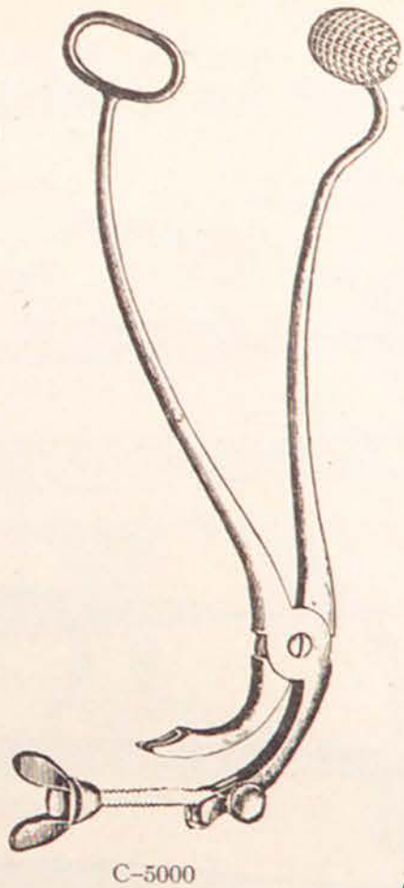

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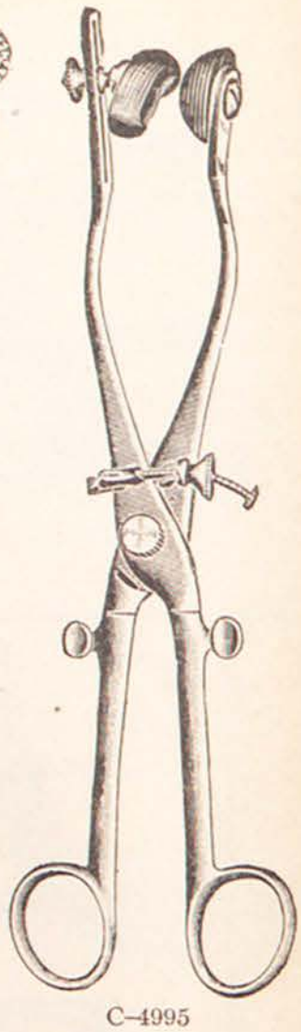

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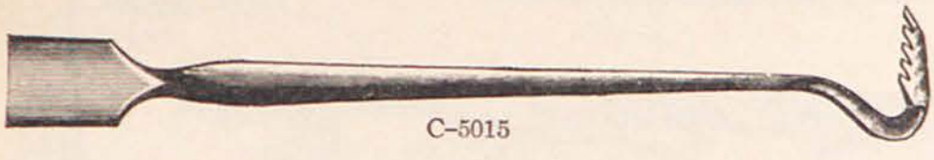

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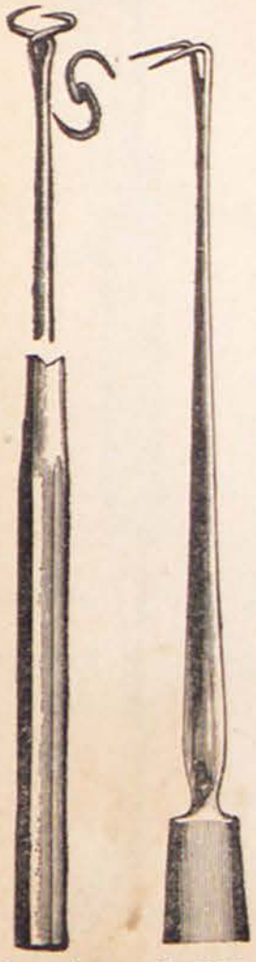


C–5010

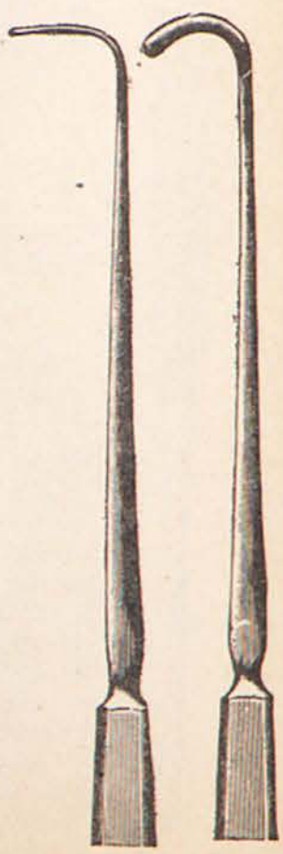
C–5005

Tonsil Haemostats

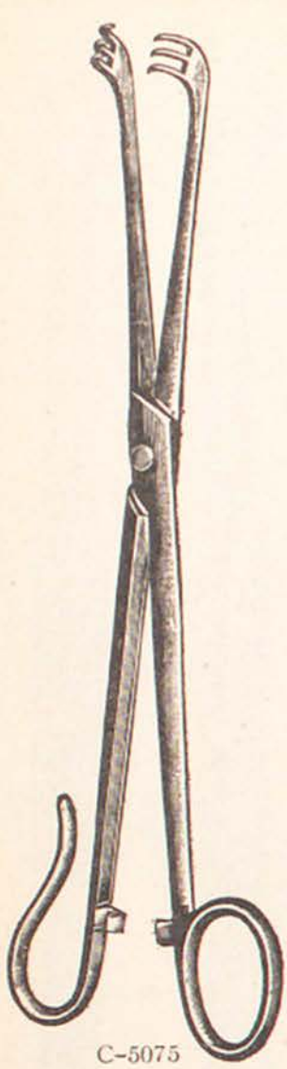
*C–4970 **Beck's,** with inner blade arranged to hold gauze pad.
C–4975 **Boettcher's.**
C–4980 **Corwin's,** with spring clamps to hold gauze pad.
*C–4985 **Cullom's,** with clamp to hold gauze pad on inner blade.
*C–4990 **Good's,** self-adjustable.
C–4995 **Mickulicz-Stoerck's.**
C–5000 **Tivnen's,** pad of aluminum.

Tonsil Hooks

C–5005 **Boettcher's,** double.
C–5010 **Carter's,** tenaculum.
C–5015 **Dickinson's,** retractor.
*C–5020 **Dickinson's,** tenaculum, 3 prong.
*C–5025 **Jackson's,** slitter.
*C–5030 **Lewis',** screw.
*C–5035 **Pierce's,** tonsil hook.
*C–5040 Plain, single, sharp.
*C–5045 Plain, single, blunt.
*C–5046 Plain, double, sharp.
*C–5050 **Pond's,** dissecting.
C–5055 **Schmidt's,** splitter, bent on flat.
C–5056 **Schmidt's,** splitter, bent on edge.



C–5055 C–5056



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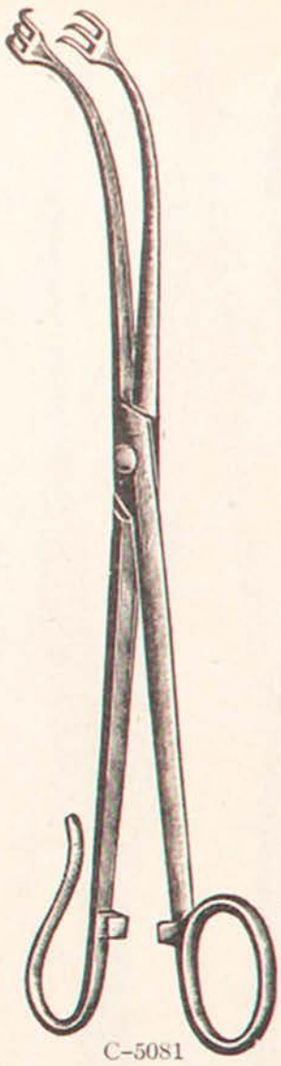

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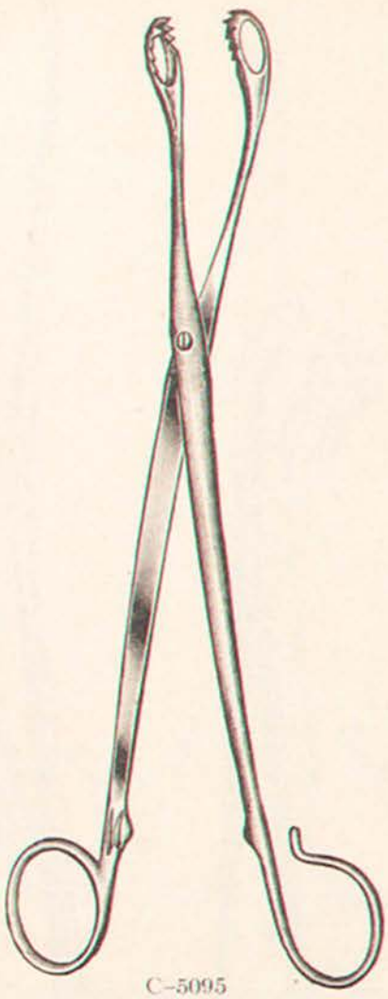

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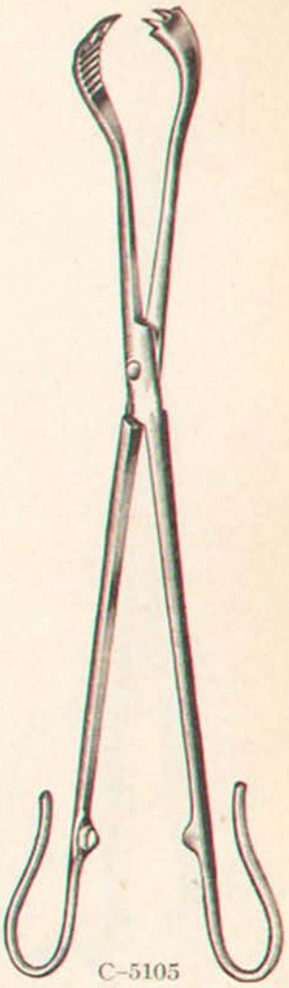

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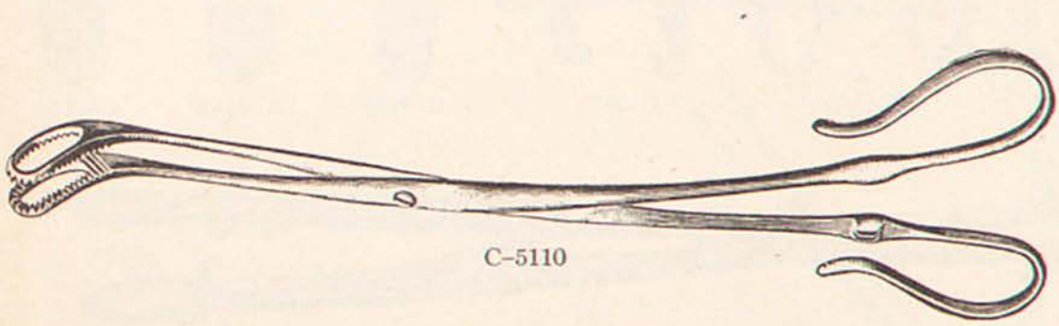

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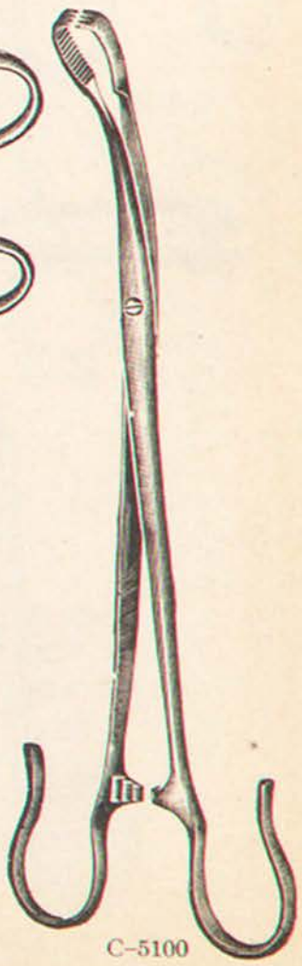
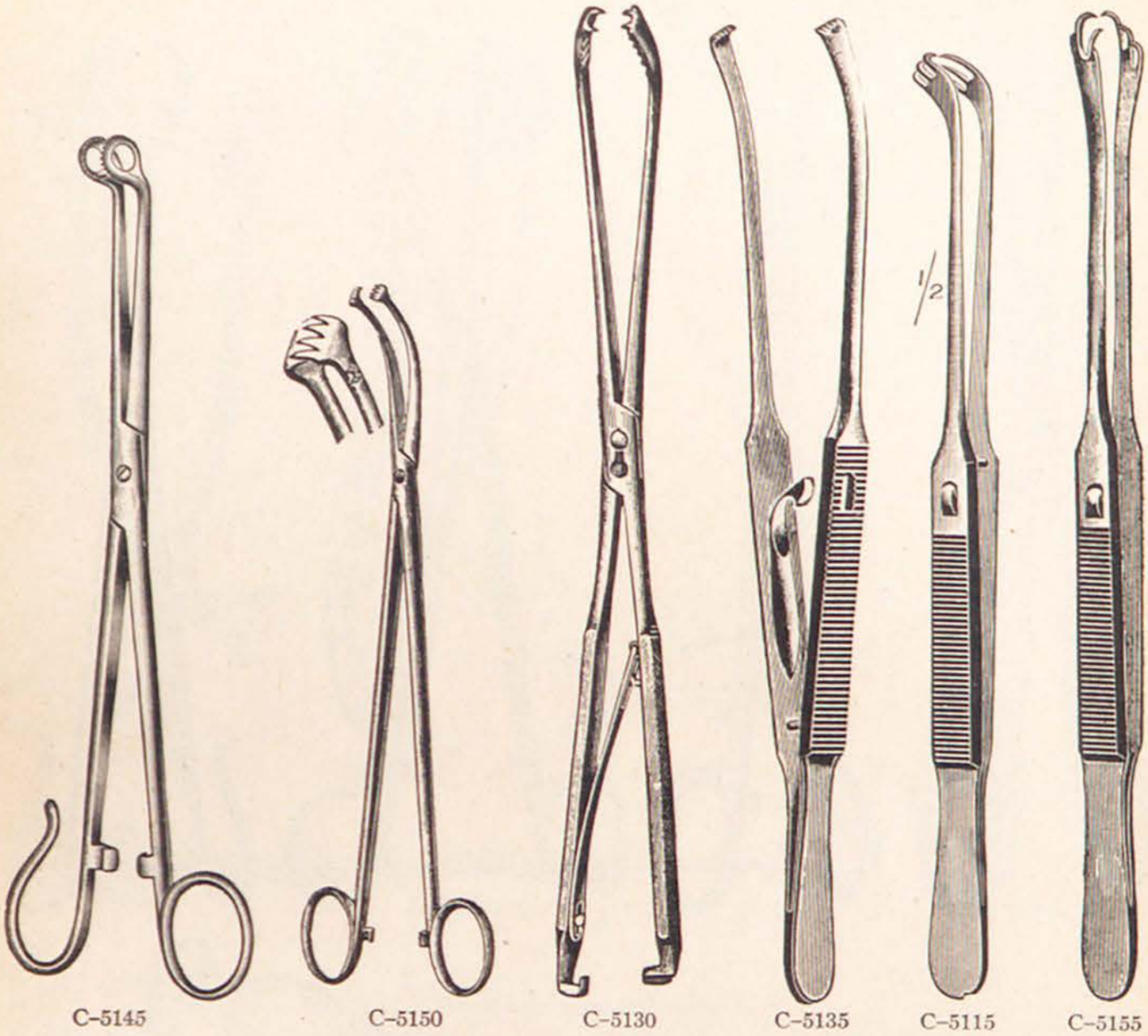


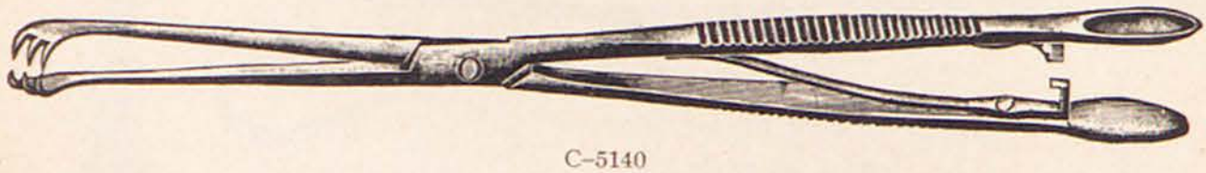
C–5100

Tonsil Forceps

*C–5070 **Abraham's.**
*C–5075 **Andrews',** 2 closed rings.
C–5076 **Andrews',** 1 open ring.
*C–5080 **Ballenger's,** 2 closed rings.
C–5081 **Ballenger's,** 1 open ring.
*C–5085 **Casselberry's,** 1 open ring.
*C–5090 **Cullom's.**
C–5095 **Eve's.**
C–5105 **Lynch's,** 2 open rings.
C–5110 **Royce's,** seizing.
*C–5111 **Royce's,** haemostat and sponge holding.
C–5100 **Kean's,** new.



C–5145 C–5150 C–5130 C–5135 C–5115 C–5155



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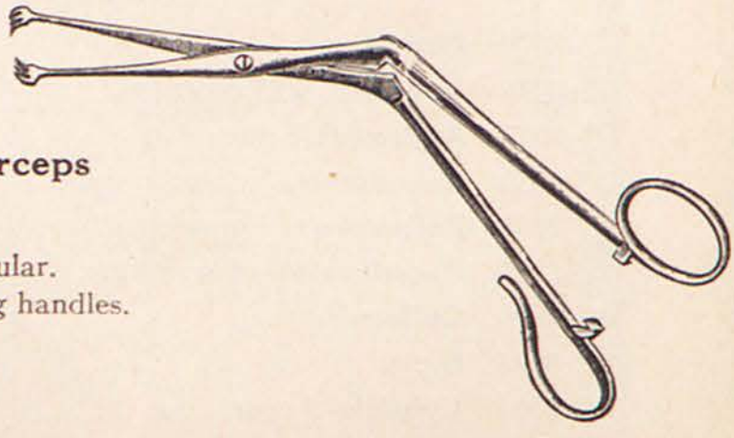
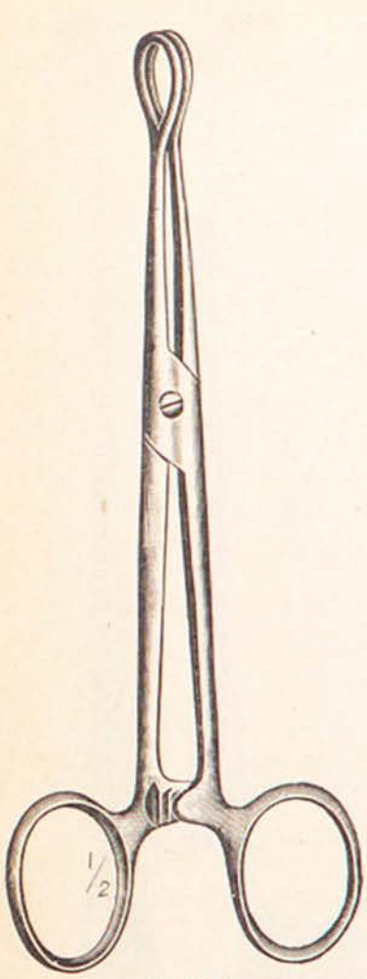


C–5120

Tonsil Forceps

C–5115 **Lerche's.**
C–5120 **Moraweck's,** angular.
*C–5125 **Pynchon's,** spring handles.
C–5130 **Richard's.**
C–5135 **Robertson's.**
C–5140 **Swan's.**
C–5145 **Todd's.**
C–5150 **White's.**
C–5155 **Yankauer's.**



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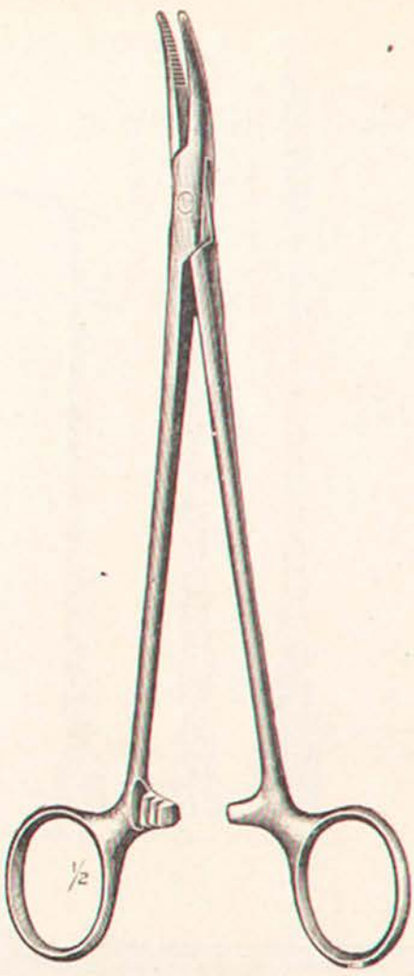

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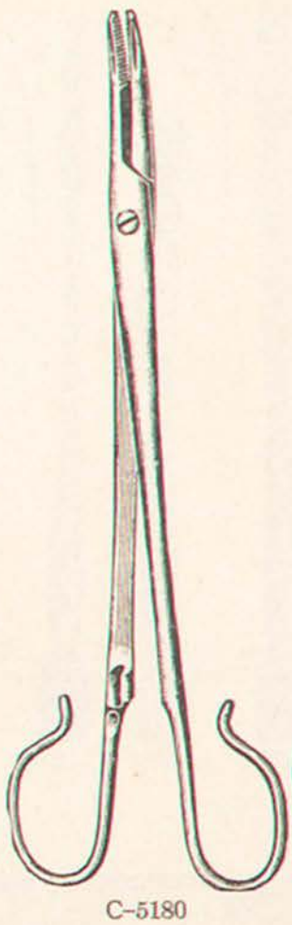

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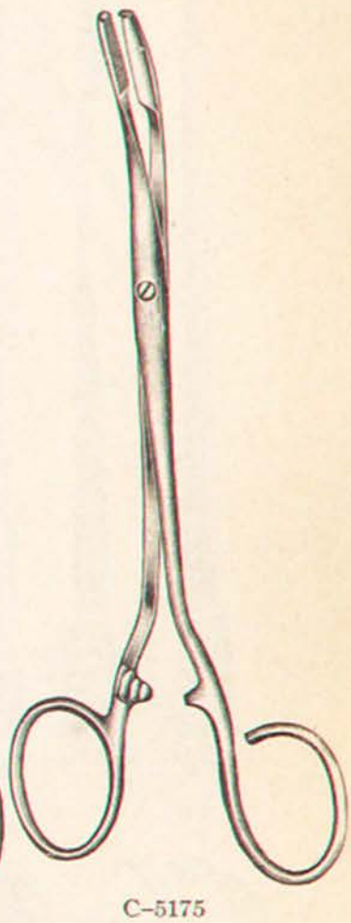

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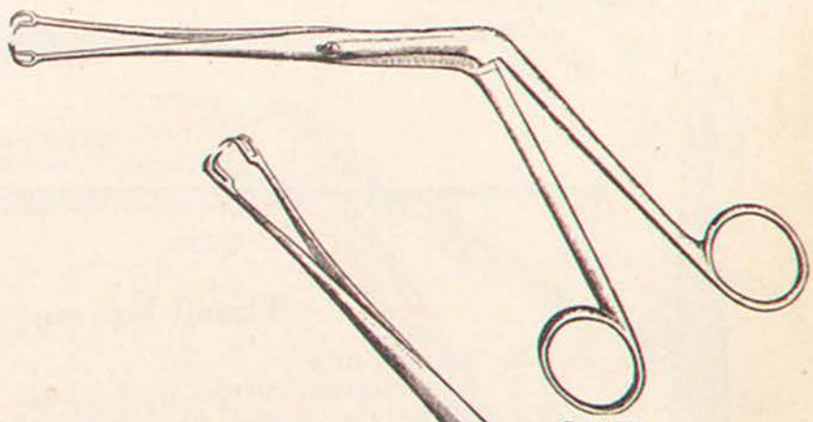

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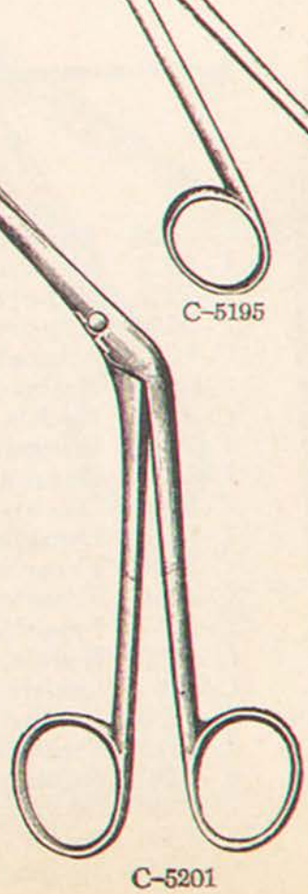
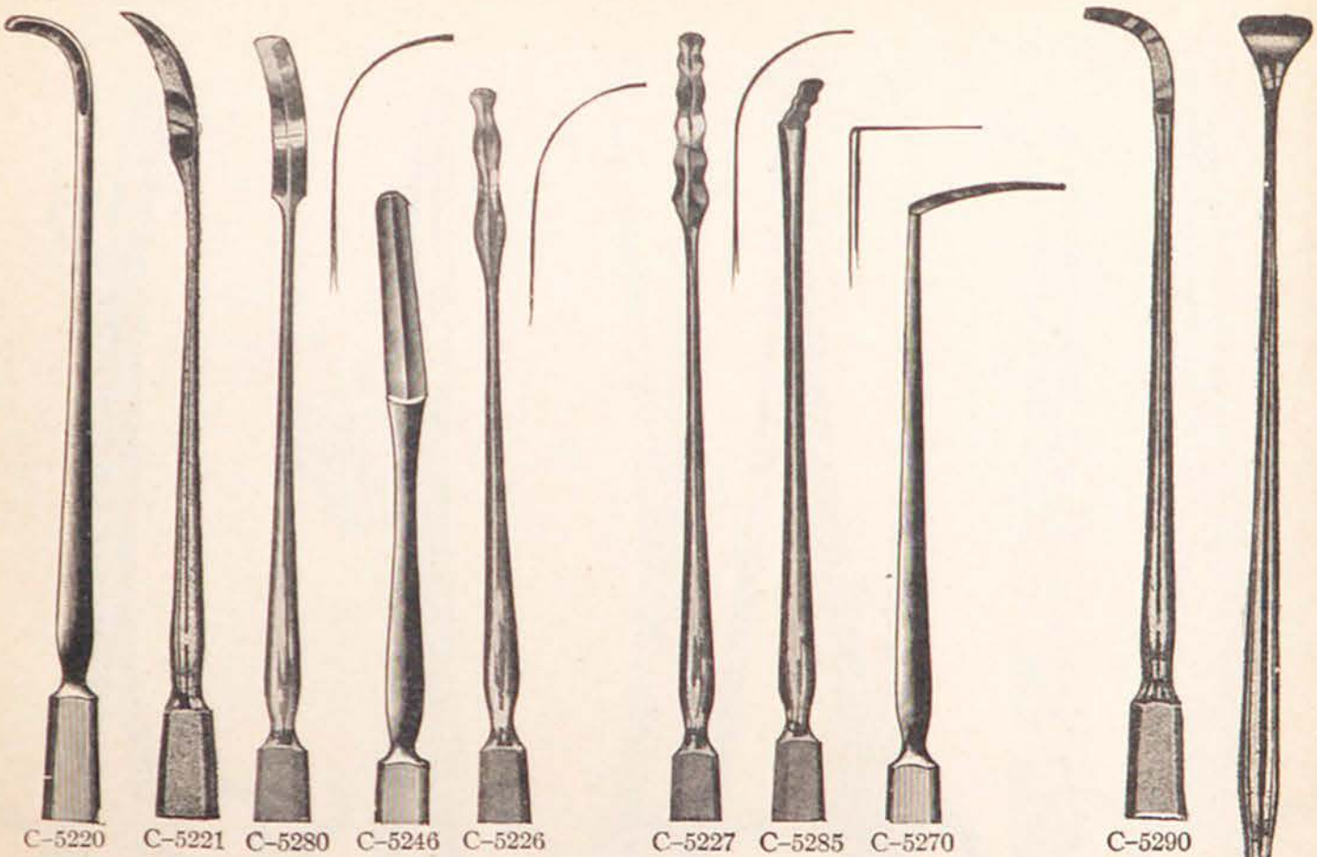


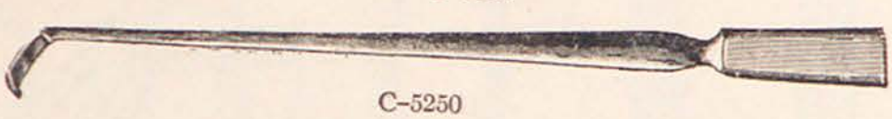
C–5201

Tonsil Forceps

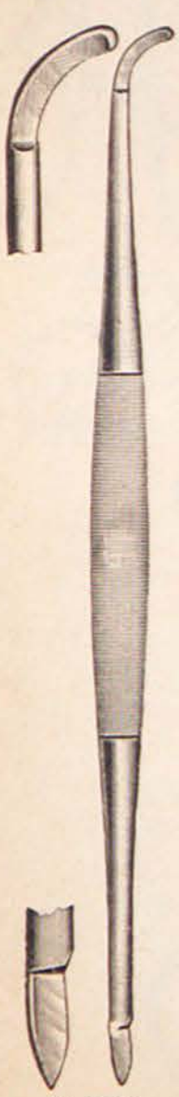
C–5160 **Ballenger's,** sponge holding, 7 inches.
*C–5165 **Boettcher's,** angular, seizing.
*C–5170 **Howe's,** tonsil haemostat.
C–5175 **Mickulicz-Pierce's** tonsil haemostat or seizing.
C–5180 **Sawtelle's** tonsil haemostat.
C–5185 **Schnidt's,** tonsil haemostat.
*C–5190 **Tivnen's,** tonsil seizing.
C–5195 **Tyding's,** tonsil seizing.
*C–5200 **Watson's,** tonsil seizing, with catch.
C–5201 **Watson's,** tonsil seizing, without catch.

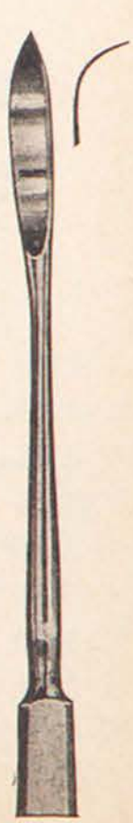






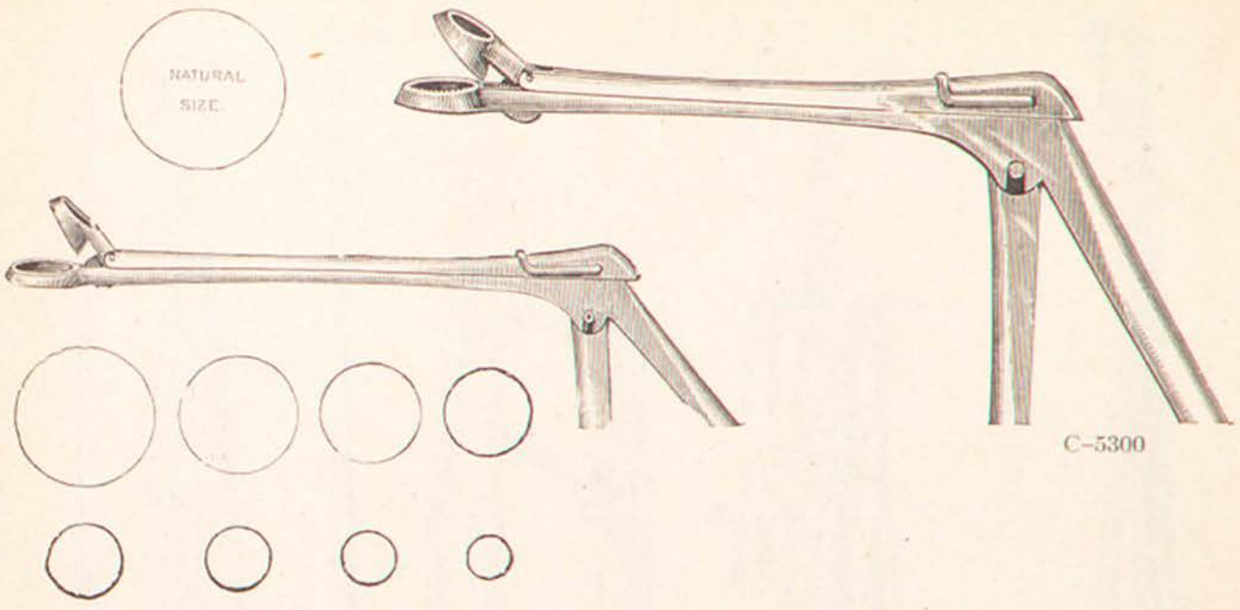






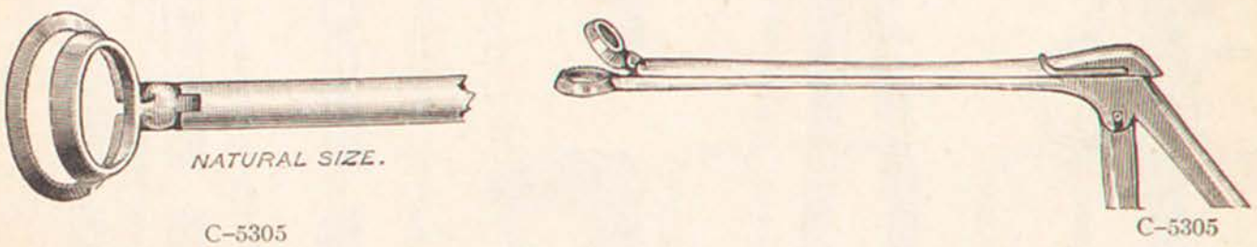
Tonsil Knives

C–5220	**Abraham's.**
C–5221	**Abraham's,** curved, double edge.
*C–5225	**Allport's,** curved, single wave edge.
C–5226	**Allport's,** curved, triple wave edge.
C–5227	**Allport's,** curved, quadruple wave edge.
C–5230	**Ballenger's,** pillar, large and small.
*C–5235	**Beck's,** scalpel.
*C–5240	**Bistoury,** curved, probe pointed.
*C–5245	**Dean's,** straight, double edge.
C–5246	**Dean's,** angled on flat, double edge.
C–5250	**Douglass'.**
C–5255	**Freer's,** curved, right and left.
*C–5256	**Freer's,** pillar, angled on flat, large, 9½ inches long.
*C–5257	**Freer's,** pillar, angled on flat, narrow.
C–5260	**Kyle's,** crypta.
C–5265	**Lothrop's,** double.
C–5270	**Leland's,** right and left.
C–5275	**Pierce's,** dissecting, curved, small and large.
C–5280	**Robertson's,** curved, double edge.
C–5285	**Swan's,** right angled, wave edge.
*C–5286	**Swan's,** curved, wave edge.
C–5290	**Tyding's,** curved on edge.



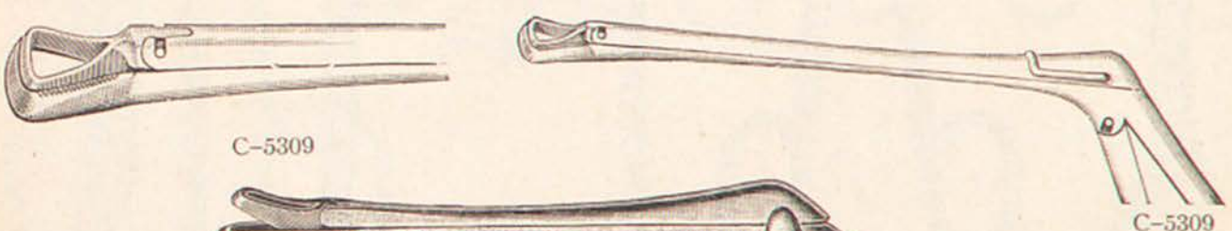
C–5300

C–5307



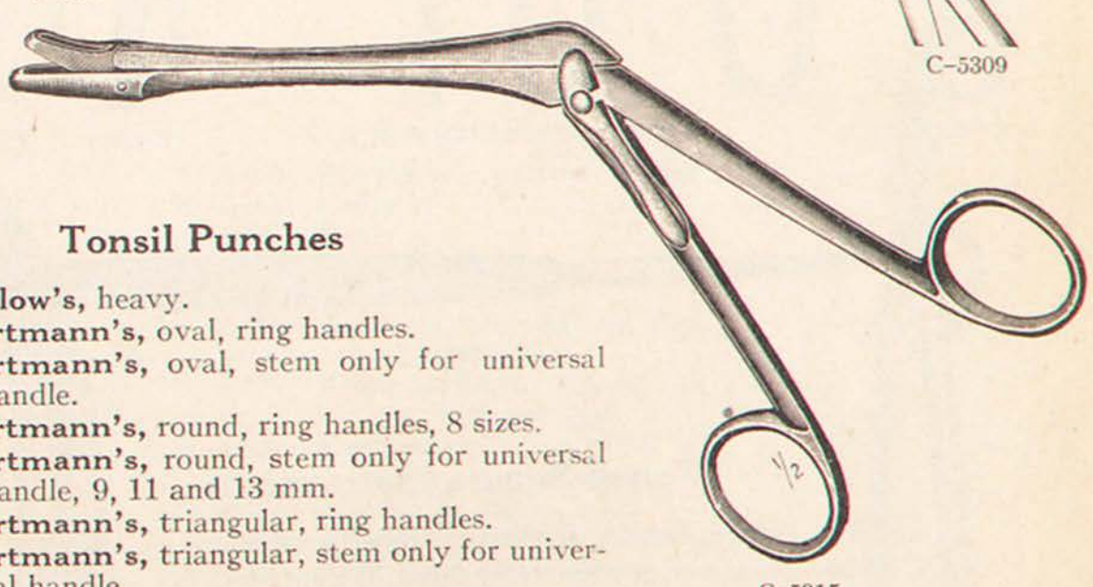
C–5305

C–5305



C–5309

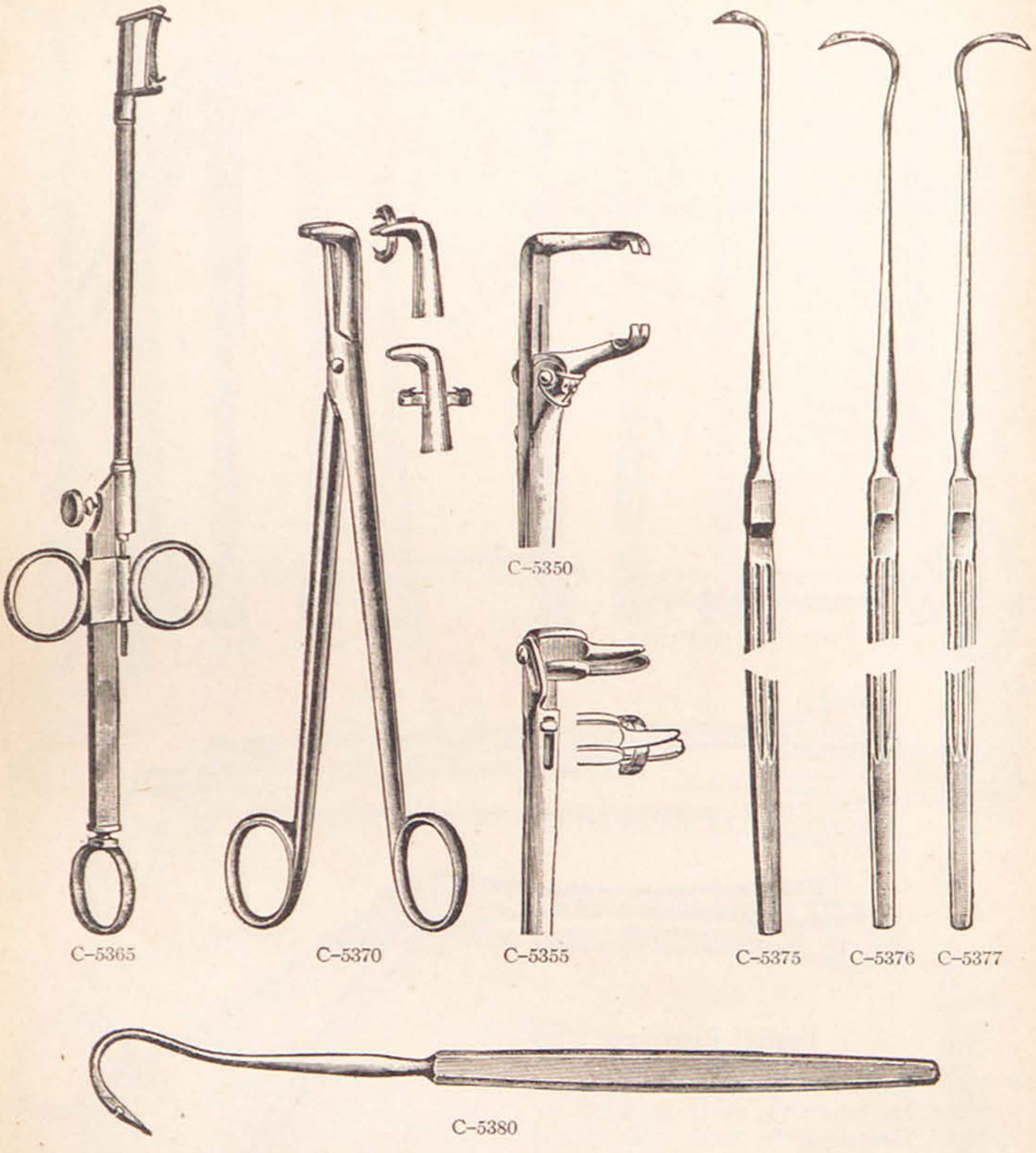
C–5309



C–5315

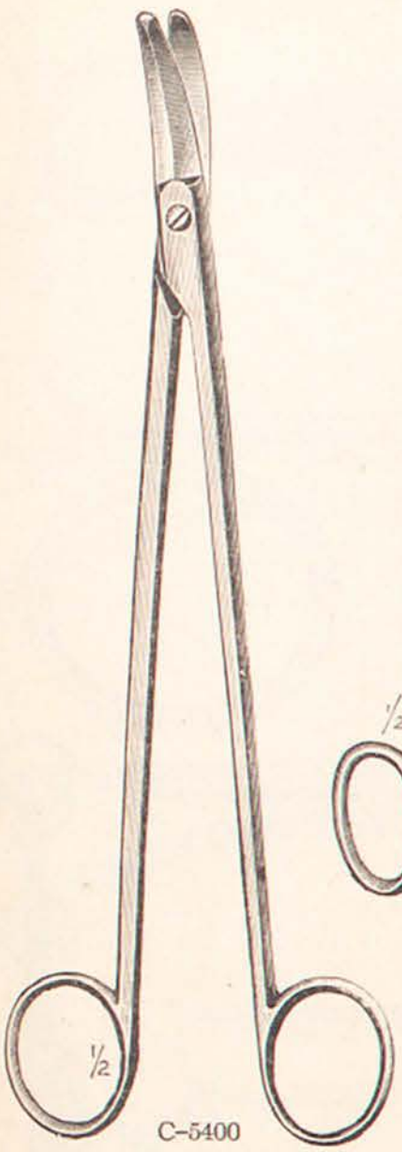
Tonsil Punches

C–5300 **Farlow's,** heavy.
C–5305 **Hartmann's,** oval, ring handles.
*C–5306 **Hartmann's,** oval, stem only for universal handle.
C–5307 **Hartmann's,** round, ring handles, 8 sizes.
*C–5308 **Hartmann's,** round, stem only for universal handle, 9, 11 and 13 mm.
C–5309 **Hartmann's,** triangular, ring handles.
*C–5310 **Hartmann's,** triangular, stem only for universal handle.
C–5315 **Myles',** straight, ring handles.
*C–5316 **Myles',** straight, stem only for universal handle.
*C–5317 **Myles',** right and left, ring handles.
*C–5318 **Myles',** right and left, stem only for universal handle.
*C–5320 **Rhodes'.**
*C–5325 **Robert's,** latest, with claws, small and large.
*C–5326 **Robert's,** latest, with claws, stem only for universal handle, large and small.
*C–5330 **Rualt's,** with large blade cutting up or cutting down.
*C–5335 Universal handle to fit above stems.



Tonsil Suture Instruments

C–5350 Applicator, for applying **Michel's** sutures.
C–5355 Remover, for removing **Michel's** sutures.
*C–5360 Universal Handle, fitting above blades.
C–5365 Applicator, **Wagner's,** for applying **Michel's** sutures
C–5370 Forceps, **Wagner's,** for removing **Michel's** sutures.
C–5375 Needle, **Durham's,** right angled.
C–5376 Needle, **Durham's,** curved to right.
C–5377 Needle, **Durham's,** curved to left.
C–5380 Needles, **MacCuen Smith's.**
*C–5385 Needles, **McReynold's,** full curved.
*C–5386 Needle Holder, **McReynold's.**



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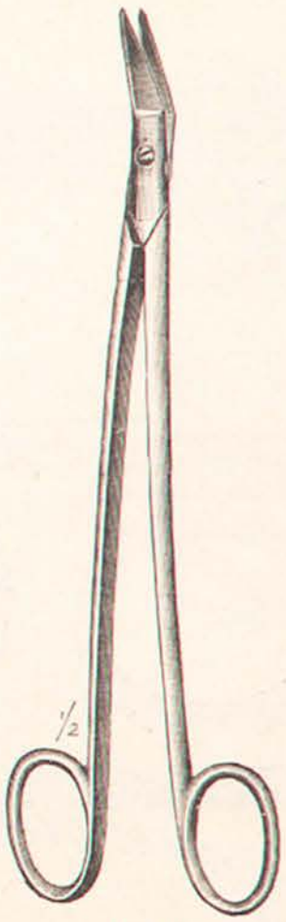

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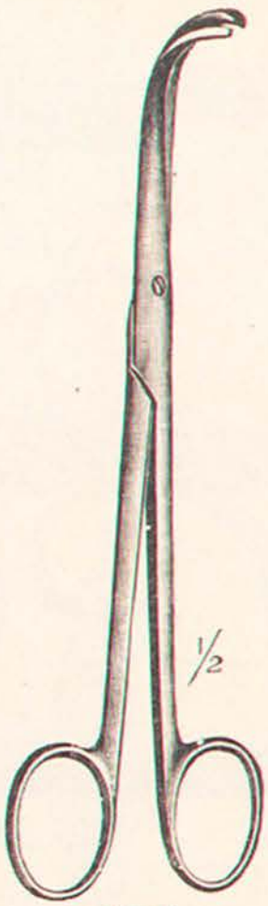

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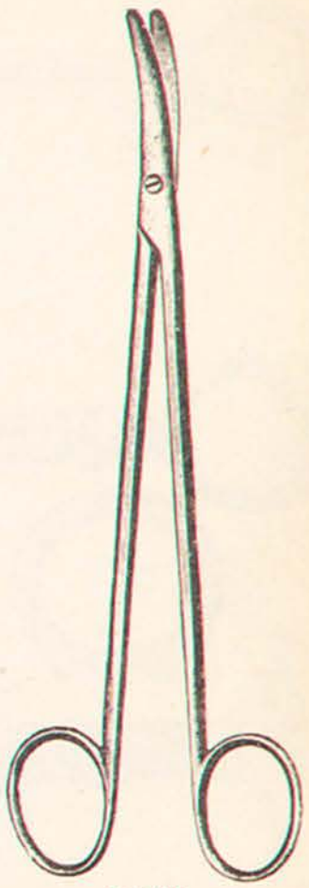
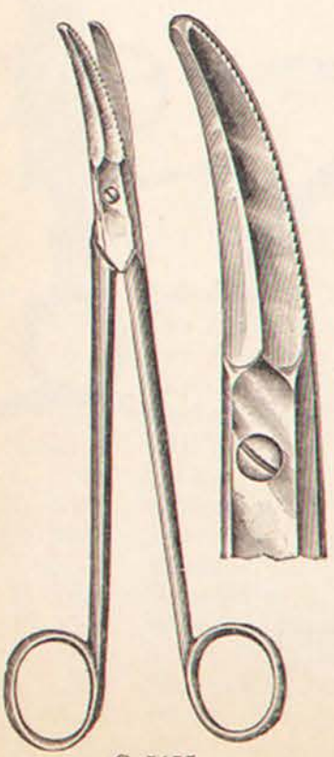


C–5430

Tonsil Scissors

C–5400 **Boetcher's,** curved on flat.
*C–5402 **Craig's.**
C–5405 **Dean's.**
*C–5410 **Good's,** latest serrated handles.
C–5415 **Griffin's,** curved on flat, correct model.
*C–5420 **Kirkpatrick's,** curved to right, serrated edge.
*C–5421 **Kirkpatrick's,** curved to left, serrated edge.
*C–5425 **Maclay's,** latest.
C–5430 **Metzenbaum's,** 7 inches.
C–5440 **Prince's,** curved on flat.
*C–5445 **Robertson's,** curved to right.
*C–5446 **Robertson's,** curved to left.
*C–5450 **Windle's.**
C–5455 **Yankauer's,** curved on flat, serrated edge.



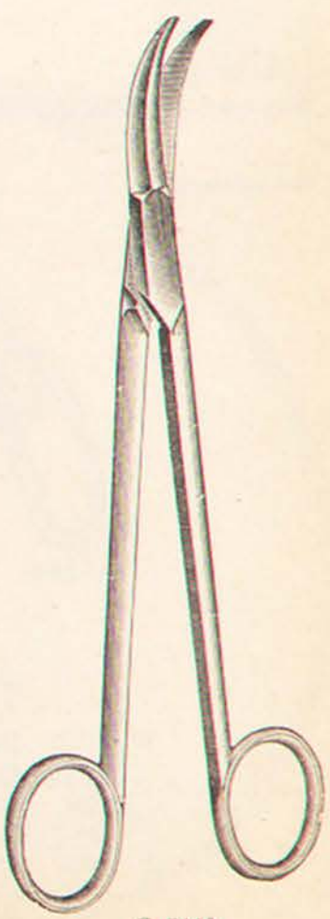
C–5455

Tonsil Suction Apparatus

*C–5465 **Muck's.**

Tonsil Syringes and Needles

(See page 24)



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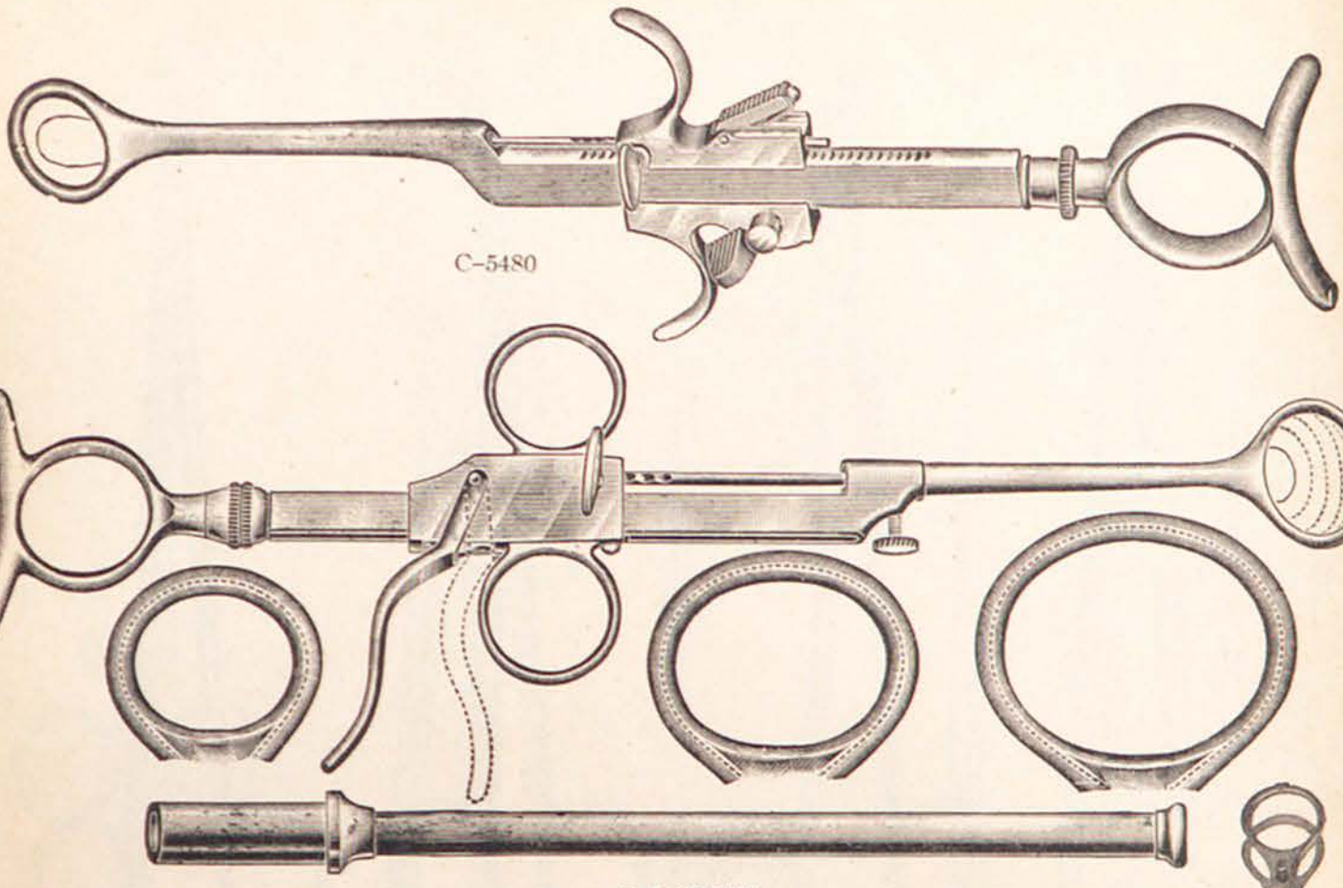
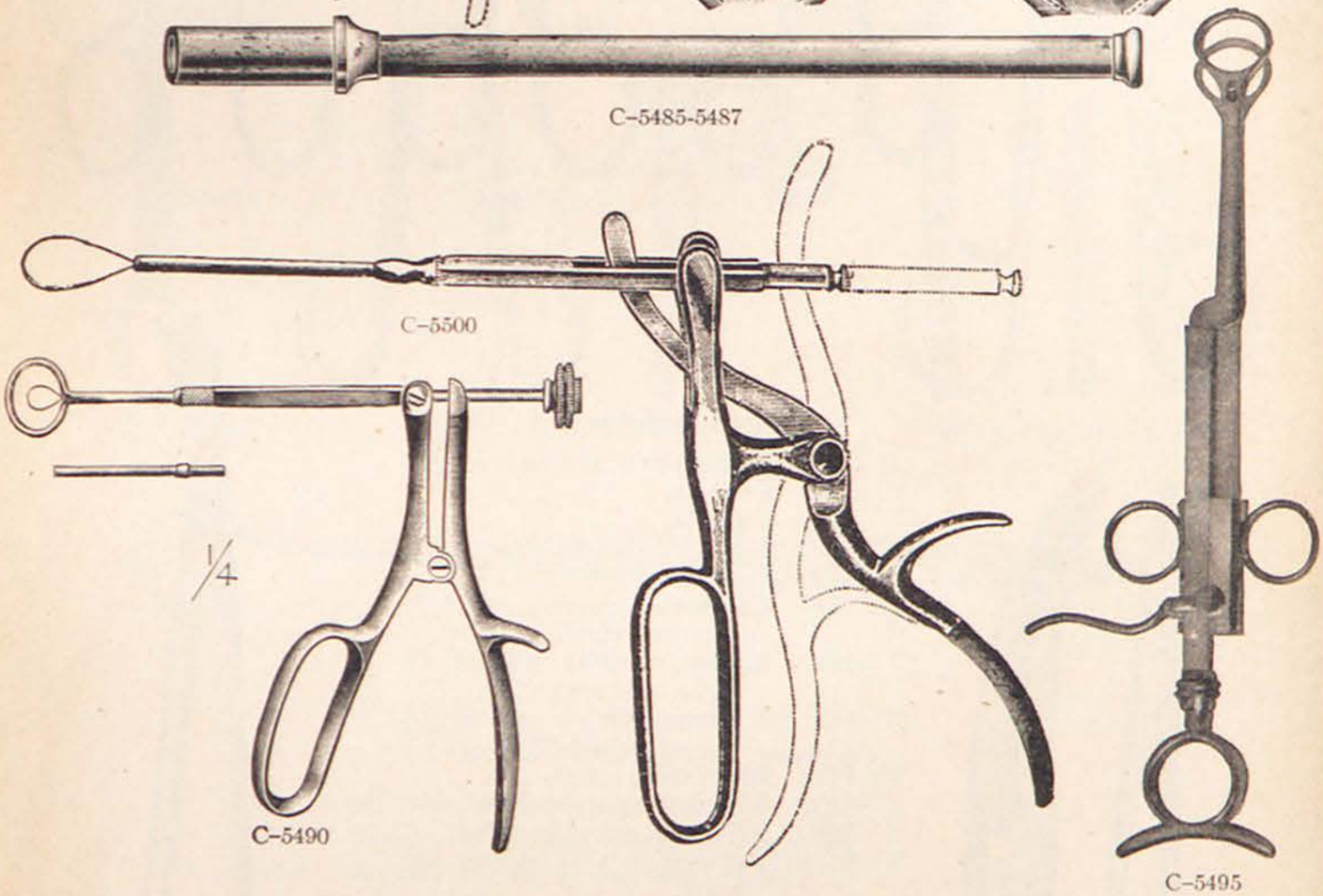


C–5480

C–5485-5487



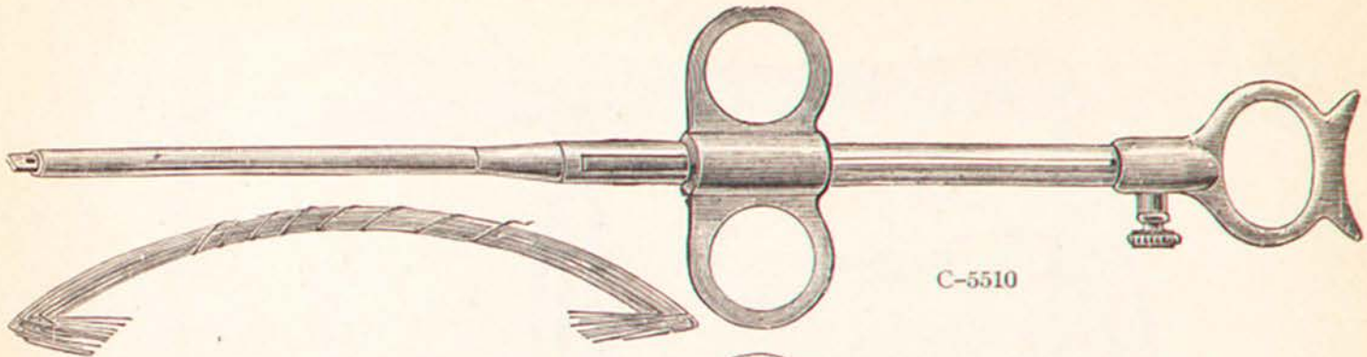
C–5500

C–5490

C–5495

Tonsil Snares and Tonsilectomes

C–5480 **Beck's,** original tonsilectome.
C–5485 **Beck-Schenck's,** with 1 Vedder tip.
C–5486 **Beck-Schenck's,** with 1 Vedder and 1 straight tip.
C–5487 **Beck-Schenck's,** with 3 Vedder and 1 straight tip.
C–5490 **Brown's,** with 1 Vedder and 1 straight tip.
C–5495 **Churchman-Beck's.**
C–5500 **Tyding's** Snare.



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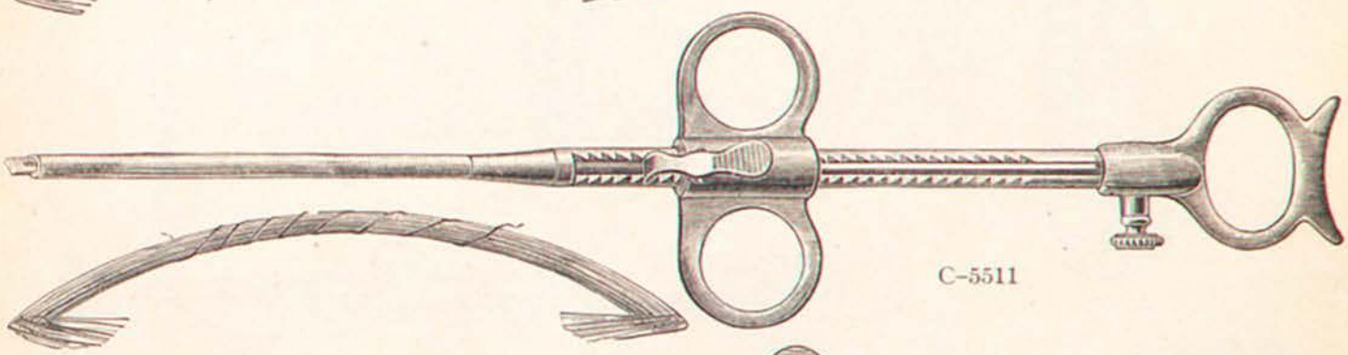

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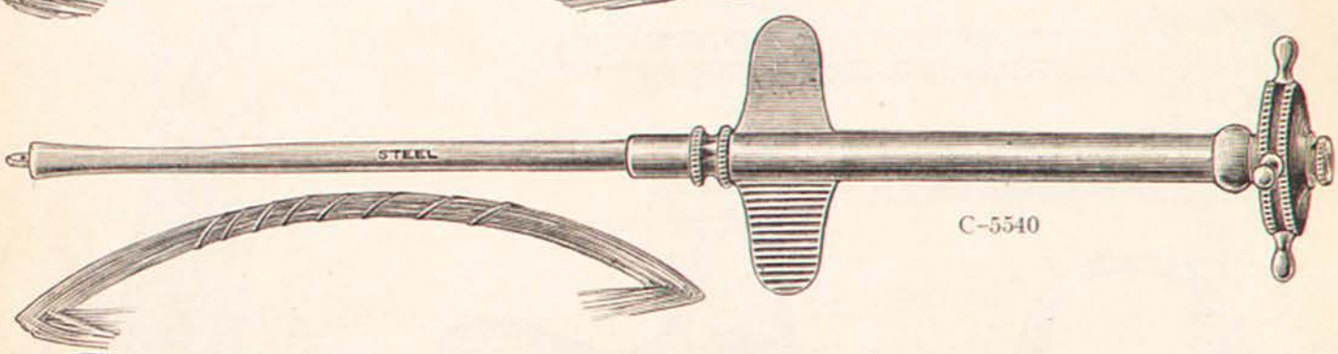

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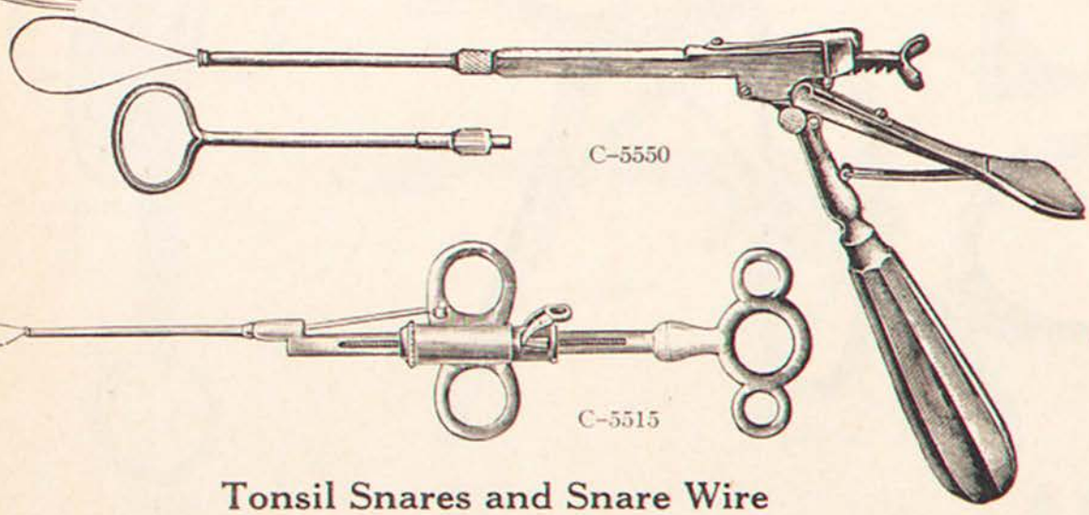


C–5550



C–5556

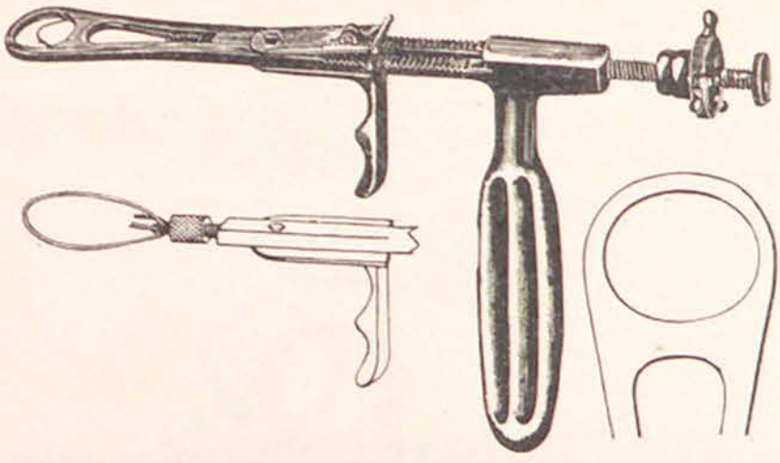
C–5515



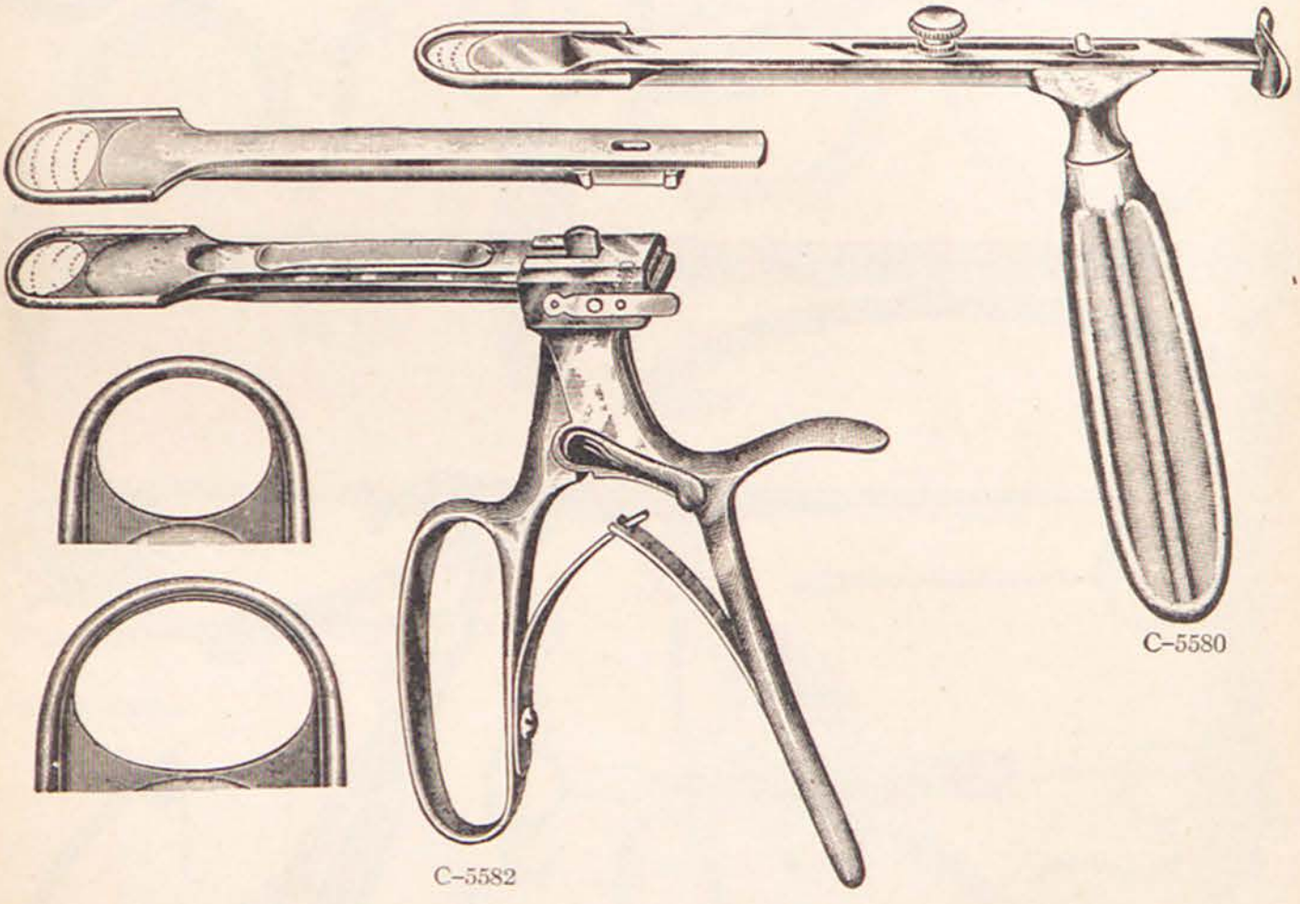
C–5555

Tonsil Snares and Snare Wire

C–5510 **Eve's,** with 12 wires.
C–5511 **Eve's,** with ratchet, with 12 wires.
*C–5512 **Eve's,** with Vedder tip, with 12 wires.
C–5515 **Farlow's,** original model.
*C–5520 **Farlow-Boettcher's.**
*C–5525 **Hill's.**
*C–5530 **Lewis'.**
*C–5535 **Sloane's.**
C–5540 **Smith's.**
*C–5545 **Watson's.**
C–5550 **Wright's.**
C–5555 Snare Wires, shaped for stilette.
C–5556 Snare Wire, on spool.
*C–5557 Snare Wire, in ¼ pound coils, Nos. 5 to 8.
*C–5558 Snare Wire Loops, Yankauer's twisted.
*C–5559 Snare Wire Loops, twisted, for use without stilette.

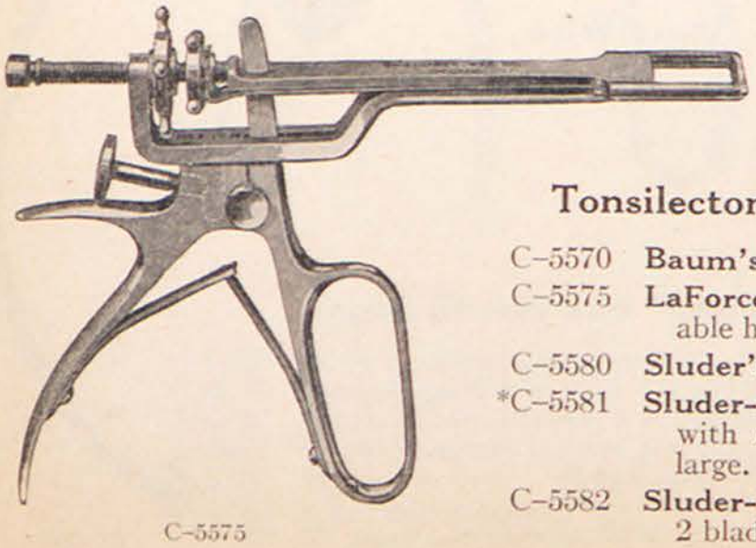


C–5570



C–5580

C–5582



C–5575

Tonsilectomes and Tonsil Guillotines

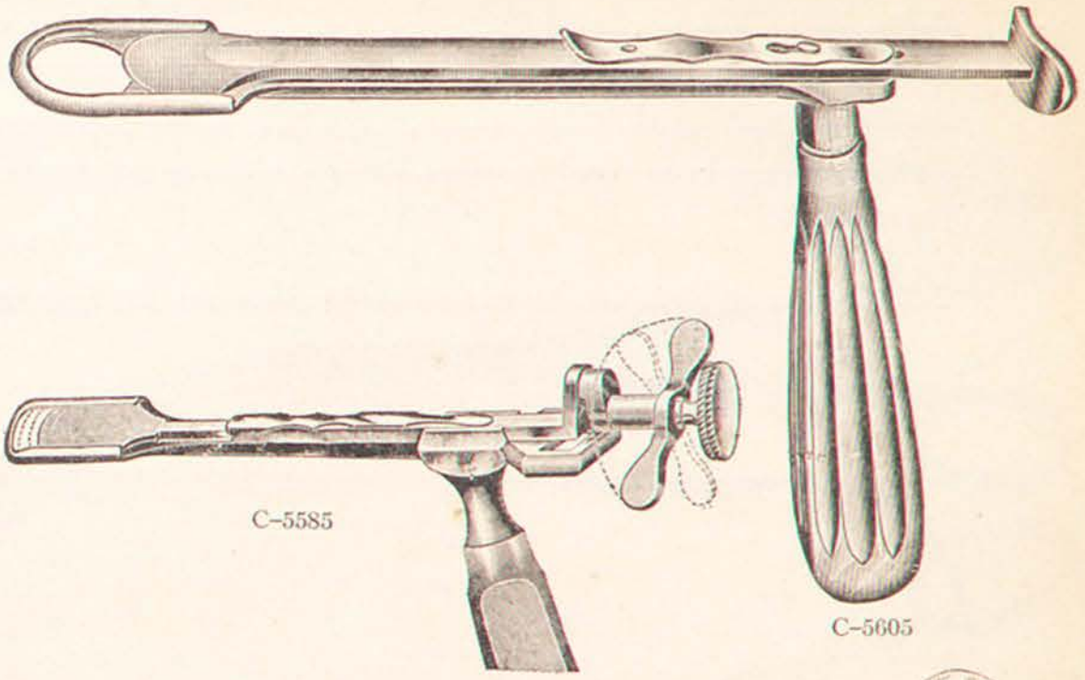
C–5570 **Baum's** Tonsilectome, improved.

C–5575 **LaForce's** Hemostatic Guillotine, with detachable handle.

C–5580 **Sluder's** Tonsil Guillotine, small and large.

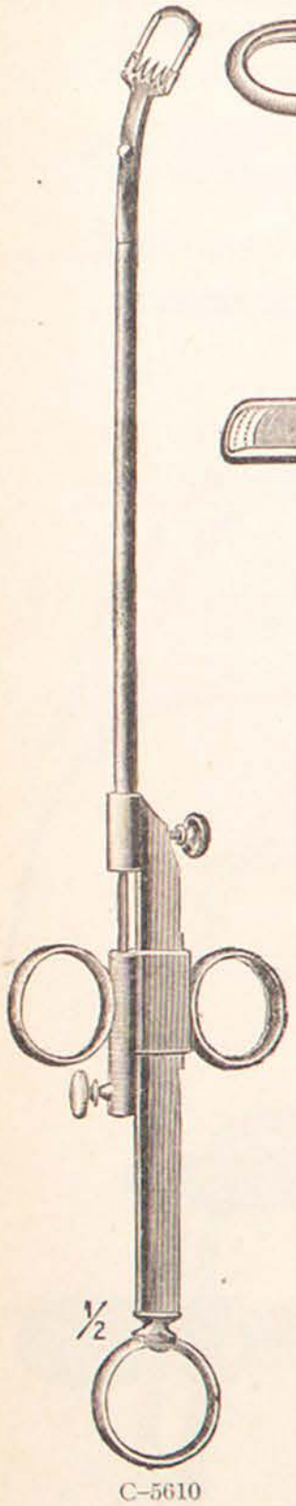
*C–5581 **Sluder-Arrowsmith's,** same as Sluder's, but with round openings in blades, small and large.

C–5582 **Sluder-Ballenger's** Tonsil Guillotine, with 2 blades in universal handle.



C–5585

C–5605



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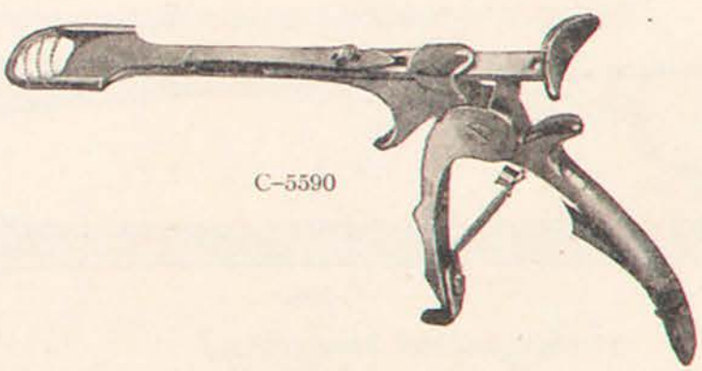
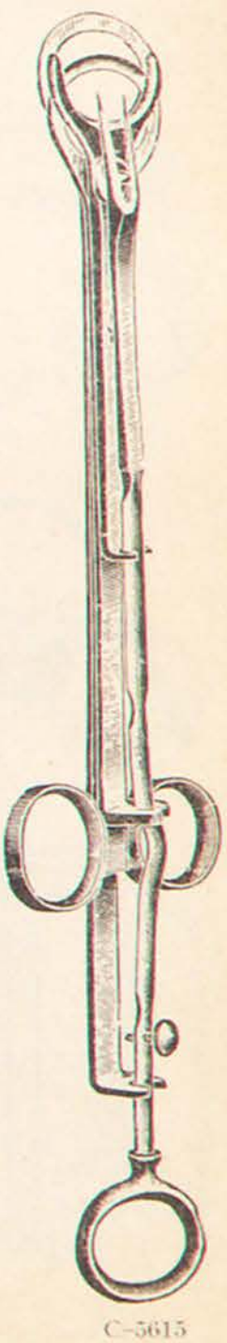
C–5610



C–5590



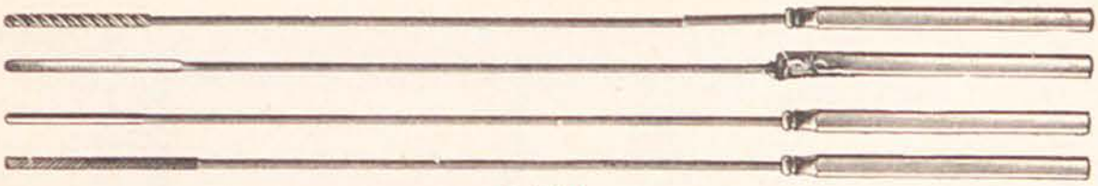
C–5615

Tonsil Guillotines

C–5585 **Demarest-Sluder's** Guillotine, with force cam.
C–5590 **Sluder-Richter's** Guillotine, with force lever.
*C–5587 **Douglass'** Hemostatic Guillotine.

Tonsilotomes

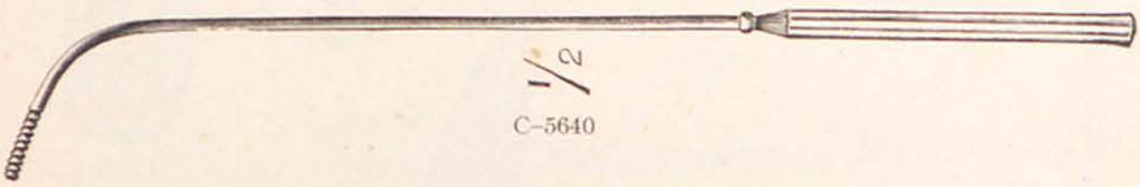
*C–5600 **Mathieu's,** original, 4 sizes.
*C–5601 **Mathieu's,** improved, 4 sizes.
C–5605 **McKenzie's,** 4 sizes.
*C–5606 **McKenzie's,** reversible, 4 sizes.
*C–5607 **McKenzie-Quinlan's,** reversible, 4 sizes.
C–5610 **Myles',** lingual, 2 sizes.
C–5615 Simplex, 4 sizes.



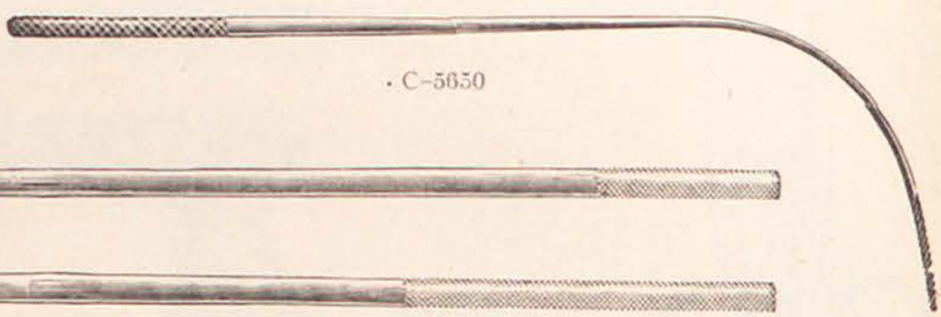
C–5630



C–5635



C–5640



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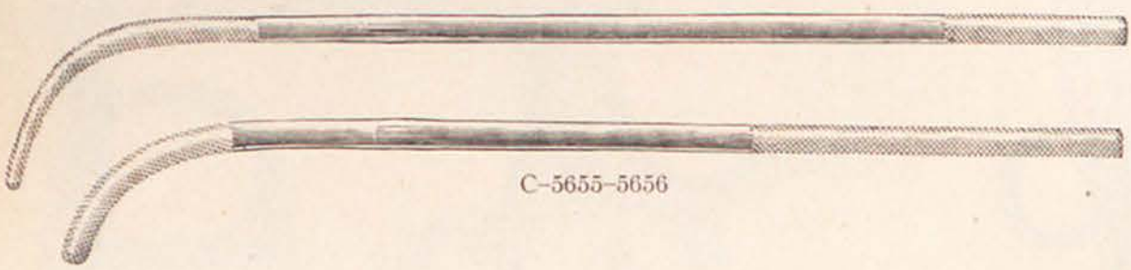
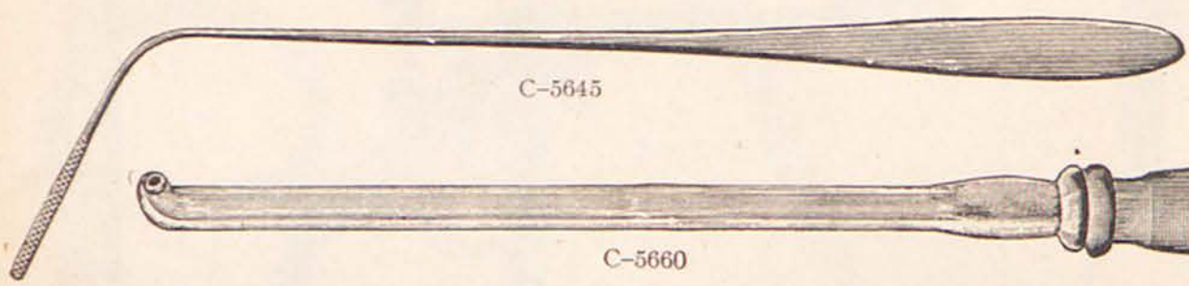


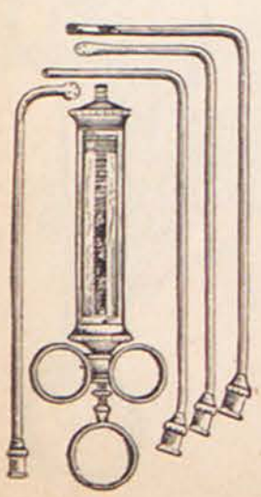
C–5655–5656



C–5645

C–5660

Laryngeal Applicators

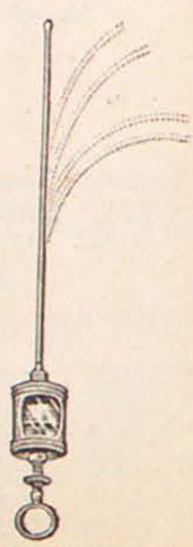


C–5665

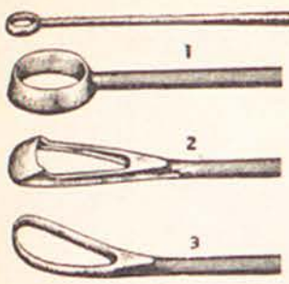
C–5630 Plain, plated or aluminum, flat end, rough end, triangular end or spiral end.
C–5635 Plain, handle with chuck end and 100 removable wire stems.
C–5640 Plain, curved, steel, spiral end.
C–5645 **Fraenkel's.**
C–5650 **Ivan's,** all steel.
C–5655 **Pynchon's,** aluminum, heavy, long.
C–5656 **Pynchon's,** aluminum, heavy, short.
C–5660 **Yankauer's** Medicator, glass.

Laryngeal Syringes (see also page 24)

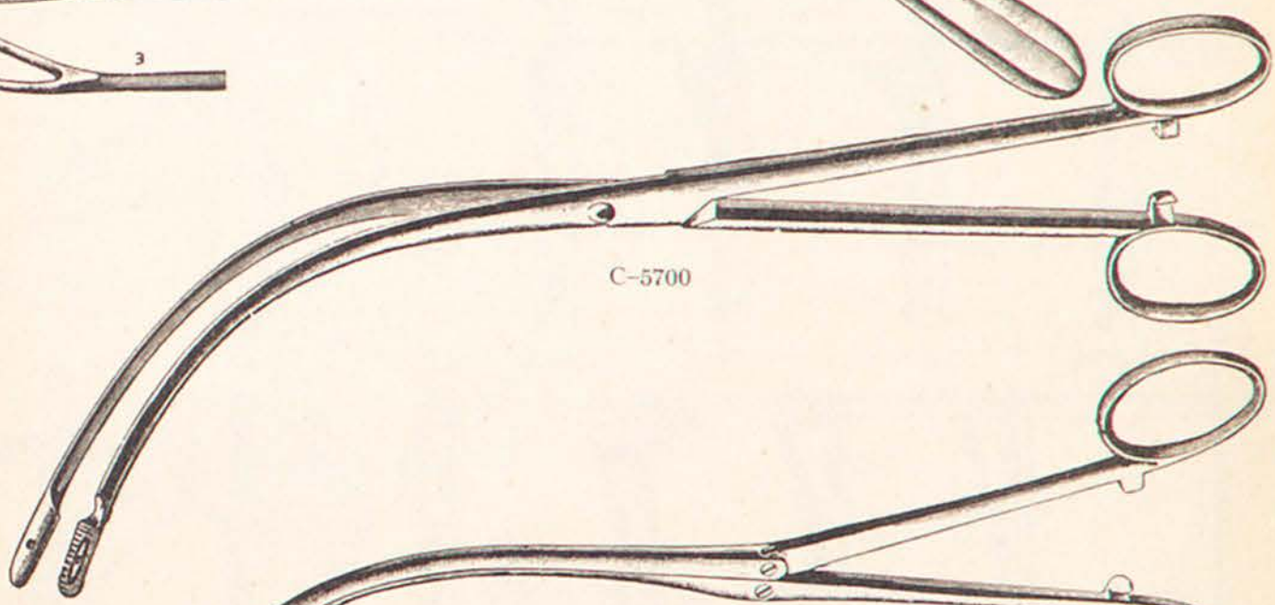
C–5665 **Brown's,** with 4 silver tubes in metal case.
C–5670 **Muir's,** with flexible laryngeal tip.



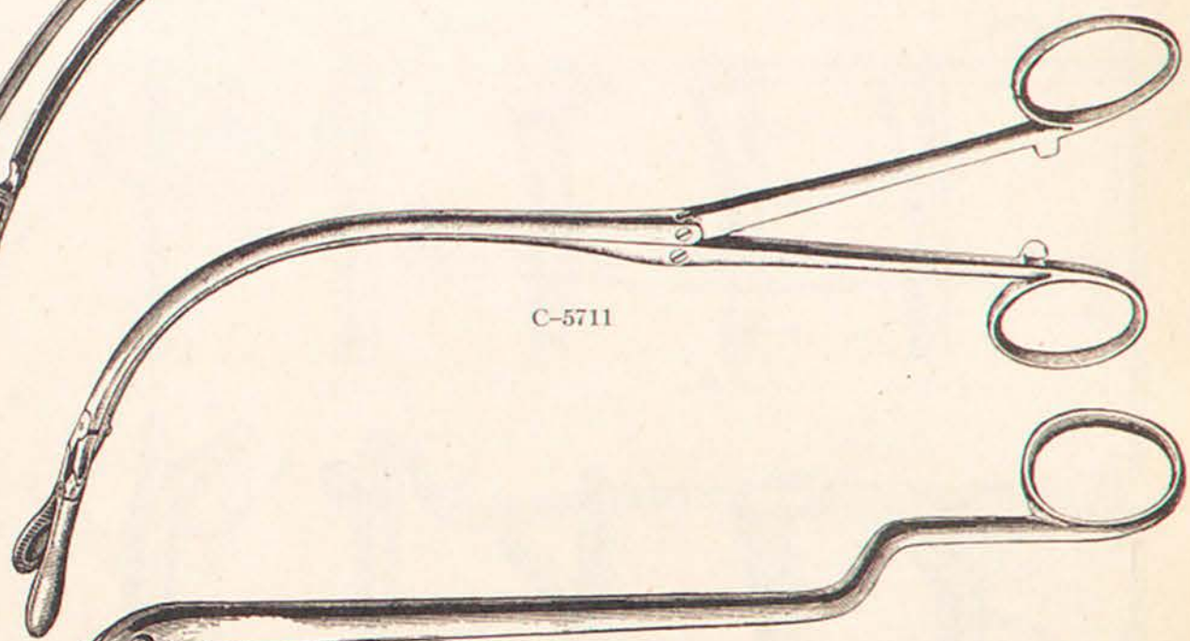
C–5670



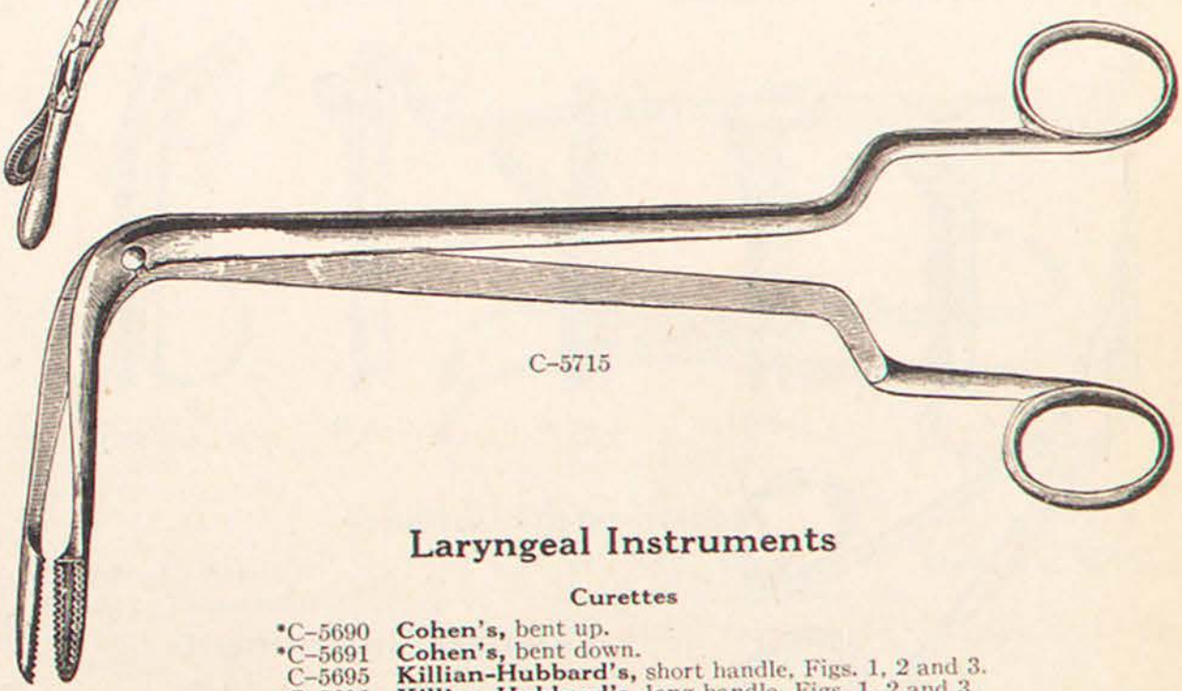
C–5695-5696



C–5700



C–5711



C–5715

Laryngeal Instruments

Curettes

*C–5690	**Cohen's,** bent up.
*C–5691	**Cohen's,** bent down.
C–5695	**Killian-Hubbard's,** short handle, Figs. 1, 2 and 3.
C–5696	**Killian-Hubbard's,** long handle, Figs. 1, 2 and 3.
*C–5698	**Krause's,** antero posterior.
*C–5699	**Krause's,** lateral, right and left.

Forceps

C–5700	**Fauvel's,** grasping, lateral, 4 sizes.
*C–5705	**Garrigue's,** applicating.
*C–5710	**Luer's,** grasping, antero posterior.
C–5711	**Luer's,** grasping, lateral.
C–5715	**McKenzie's,** grasping, antero posterior.
*C–5716	**McKenzie's,** grasping, lateral.

Knives

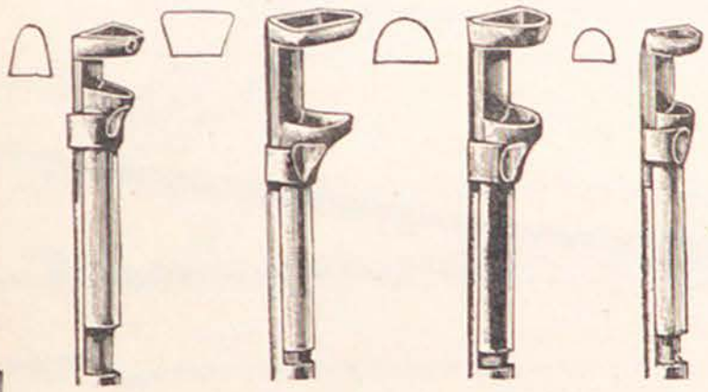
*C–5720	**Tobold's,** spear shaped.
*C–5721	**Tobold's,** convex blade.
*C–5722	**Tobold's,** concave blade.

Snares

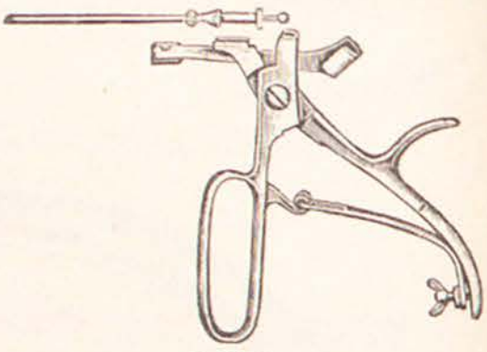
*C–5725	**Krause's,** with universal handle.



C–5740

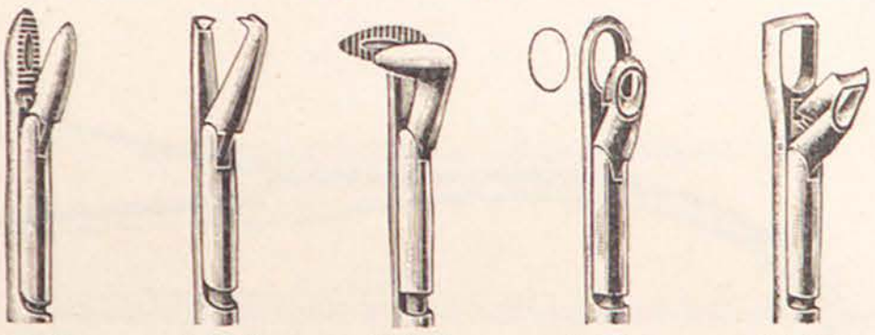


C–5753 C–5750 C–5751 C–5752



C–5735

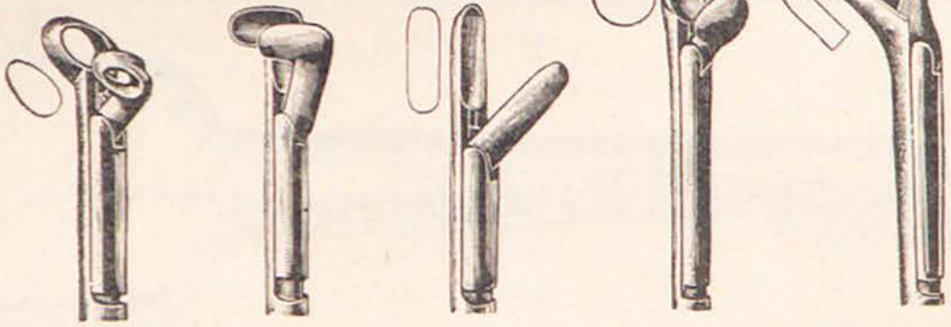




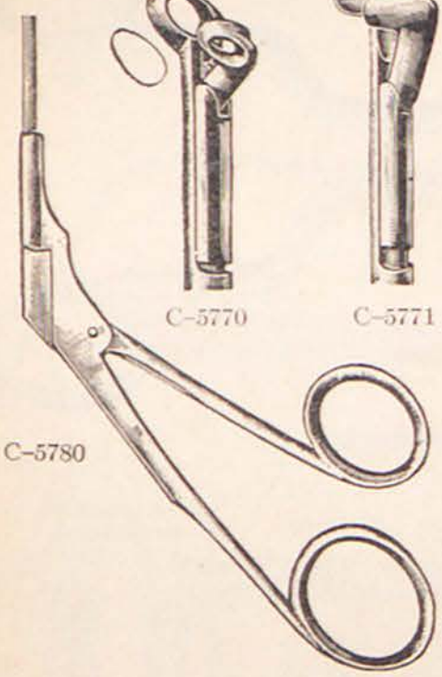
C–5745 C–5746 C–5747 C–5765 C–5766



OPEN



C–5770 C–5771 C–5755 C–5760 C–5775



C–5780

C–5790

Laryngeal Instruments

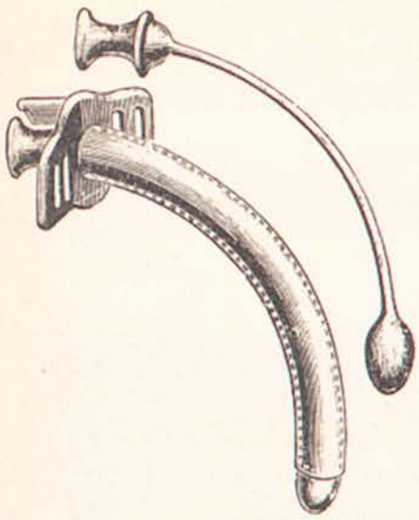
C–5735 Universal Handle, only.
C–5740 Straight Canulae, 8, 16 and 22 inches.
*C–5741 Curved Canulae, for laryngeal work.

Forceps Tips for Stems

C–5745 Grasping, straight, serrated.
C–5746 Grasping, straight, mouse toothed.
C–5747 Grasping, angular bent, serrated.
C–5750 **Corde's,** curette, for posterior wall
C–5751 **Corde's,** curette, for large growths.
C–5752 **Corde's,** curette, for singers' nodes.
C–5753 **Corde's,** curette, for growths of inferior commissure.
C–5755 **Frankel's,** cutting.
C–5760 **Killian's,** cutting.
C–5765 **Krause's,** punch, oval.
C–5766 **Krause's,** punch, square.
C–5770 **Scheinemann's,** punch, subglottis.
C–5771 **Scheinemann's,** cutting, subglottis.
C–5775 **Struycken's,** punch.
C–5780 **Jackson's,** cutting, with 1 canulae 8, 16, or 22 inches long, and 1 cutting tip.

Foreign Body Instruments

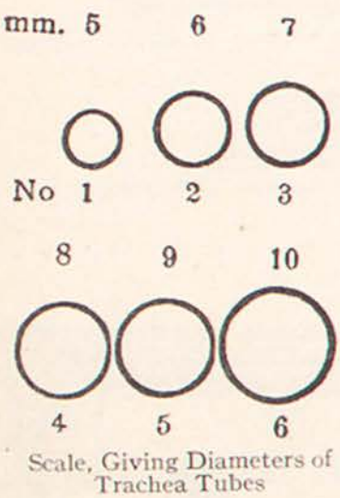
*C–5785 Coin Catcher.
*C–5786 Coin Catcher, with sponge probang, hinged.
C–5790 Probang, Haslam's, bristle, all metal, spiral aspetic.
*C–5791 Probang Bristles, Haslam's.



C–5855-5856



C–5861-5863



Scale, Giving Diameters of Trachea Tubes



C–5820



C–5825



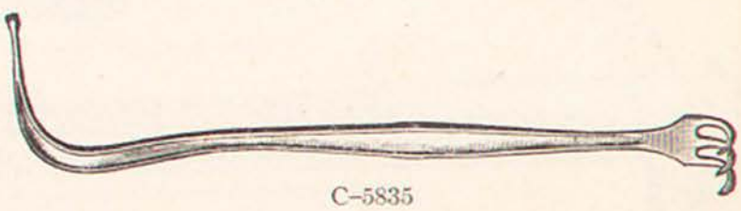
C–5827



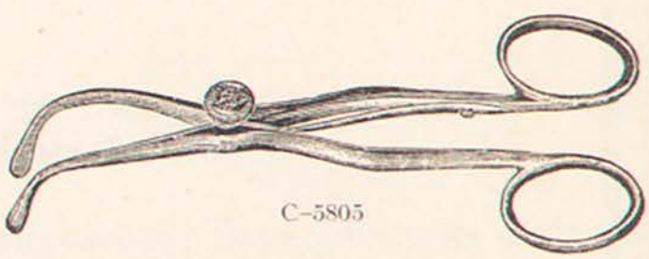
C–5829



C–5845



C–5835

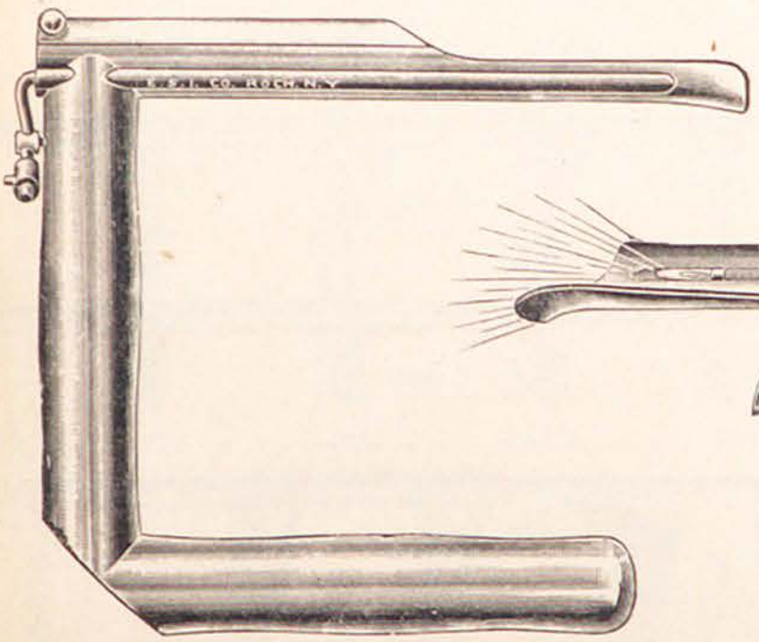


C–5805

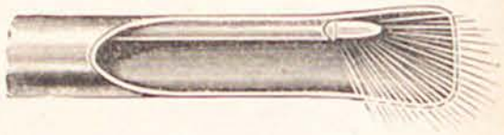
Tracheal Instruments

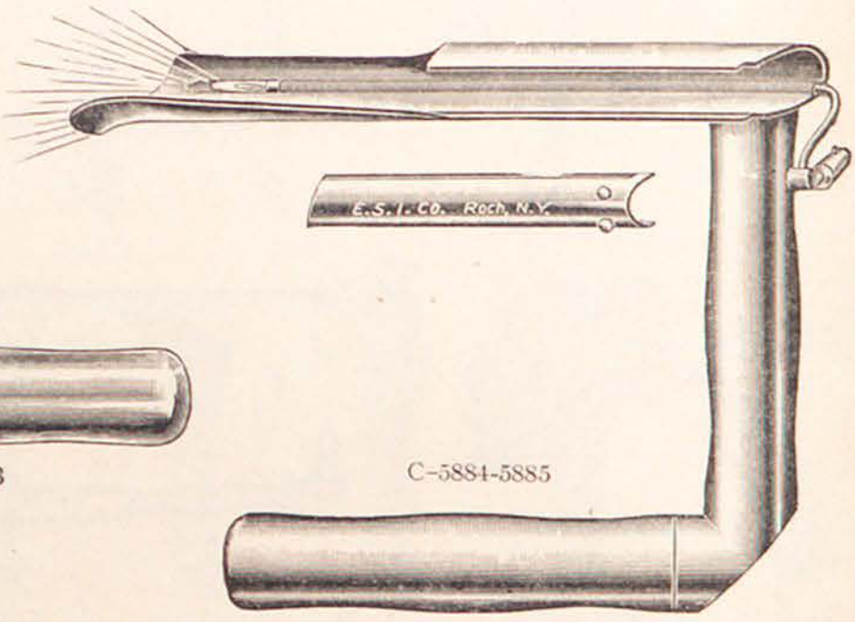
*C–5800 Dilator, **Laborde's.**
C–5805 Dilator, **Trousseau's.**
*C–5810 Forceps, **Collin's,** for removing foreign bodies.
*C–5815 Forceps, **Mathieu's,** for removing foreign bodies.
C–5820 Retractor, **Belajew's.**
C–5825 Retractor, hook, single, blunt.
*C–5826 Retractor, hook, single, sharp.
C–5827 Retractor, hook, double, blunt.
*C–5828 Retractor, hook, double, sharp.
C–5829 Retractor, hook, triple, blunt.
*C–5830 Retractor, hook, triple, sharp.
C–5835 Retractor, **Hupp's.**
*C–5840 Retractor, **Luer's,** double, blunt.
C–5845 Retractor, **Rose's,** double, blunt.
C–5850 Tracheatome, Haslam's, 5 sizes, in case.
*C–5851 Tracheatome, Haslam's, 3 sizes, in case.
*C–5852 Tracheatome, Haslam's, 1 size, in case.
C–5855 Trachea Tubes, **Chevalier-Jackson's,** plated, No. 1 to 6.
C–5856 Trachea Tubes, **Chevalier-Jackson's,** silver, No. 1 to 6.
*C–5860 Trachea Tubes, **Luer's,** double, hard rubber, 6 sizes.
C–5861 Trachea Tubes, **Luer's,** double, silver plated, No. 1 to 6.
C–5862 Trachea Tubes, **Luer's,** aluminum, 8 sizes.
C–5863 Trachea Tubes, **Luer's,** double, silver, No. 1 to 6.

Laryngoscopic, Bronchoscopic, Esophagoscopic and Gastroscopic Instruments



C–5882-5883





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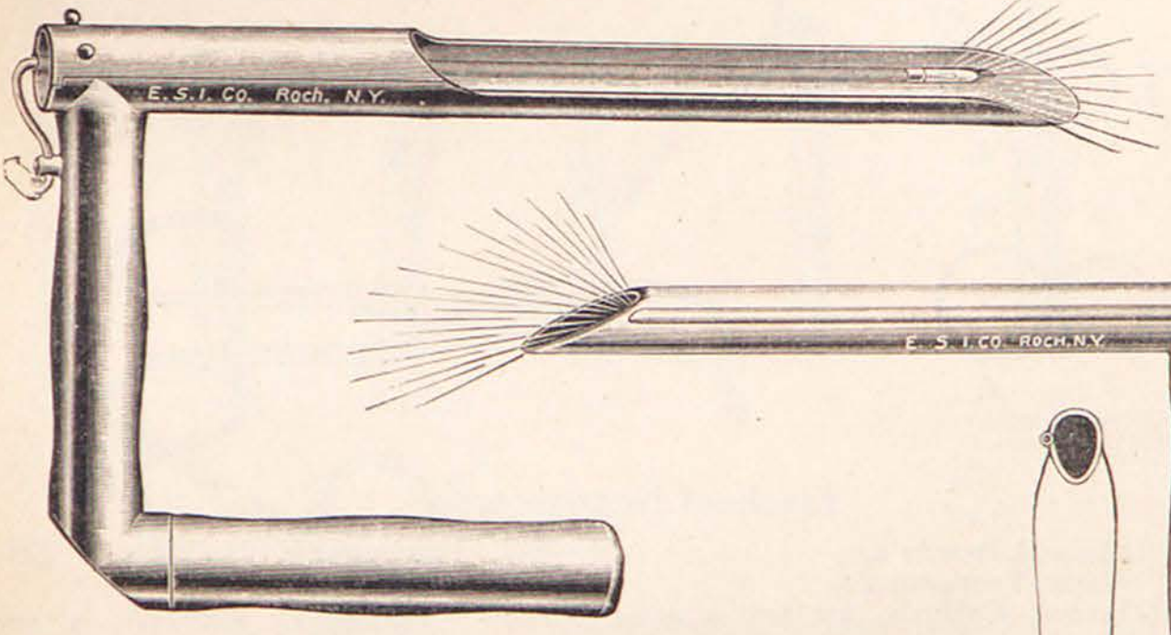
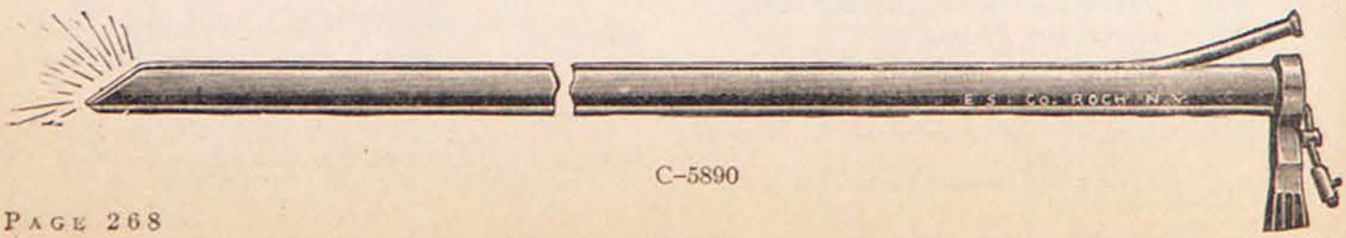


C–5888-5889

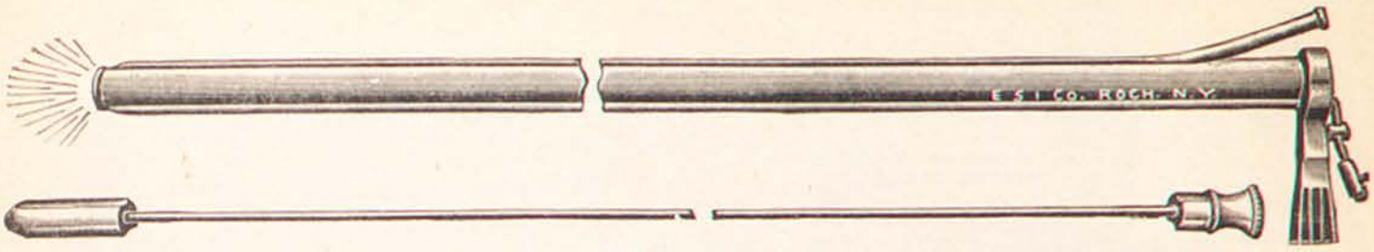
C–5886



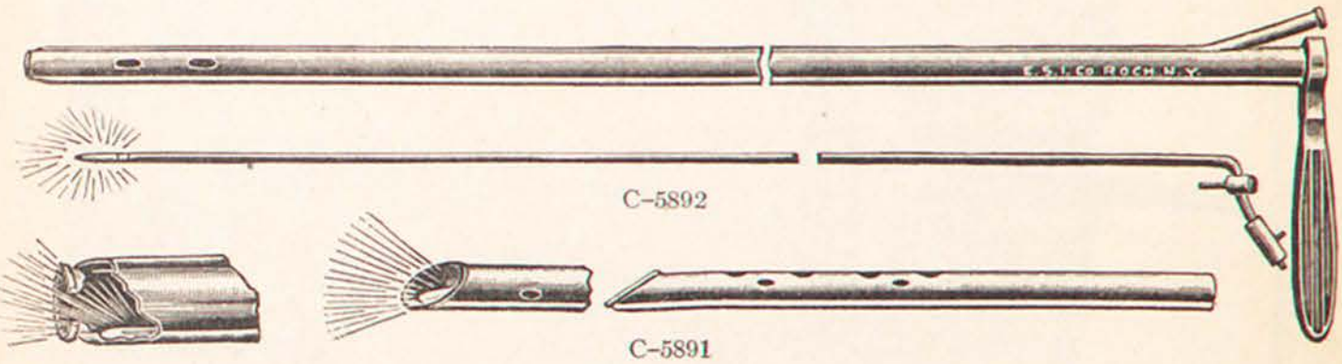
C–5896



C–5890

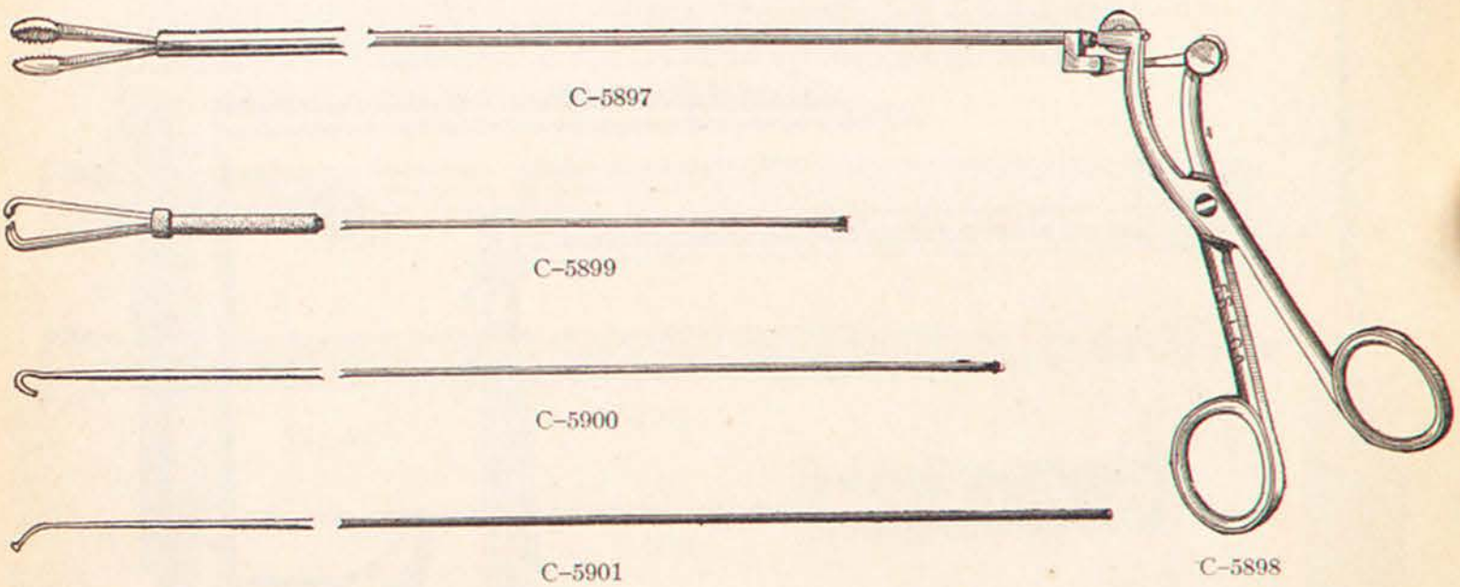


C–5894-5895



C–5892

C–5891



C–5897

C–5899

C–5900

C–5901

C–5898

Instruments for Direct Laryngoscopy, Bronchoscopy, Esophagoscopy and Gastroscopy

The designs for these instruments were furnished by **Dr. Chevalier Jackson,** and **are only** made for him and under his directions by the **Electro Surgical Instrument Company of Rochester, N. Y.**

*C–5880 Lamp and Carrier for **Jackson's** tubes.

*C–5881 Aspirator, **Jackson's,** for secretions, with all metal suction pump.

C–5882 Laryngeal Speculum, **Jackson's,** No. 7, with slide (adult).

C–5883 Laryngeal Speculum, **Jackson's,** No. 8, with slide (child's).

C–5884 Laryngeal Speculum, **Jackson's,** oval slide (adult).

C–5885 Laryngeal Speculum, **Jackson's,** oval slide (child's).

C–5886 Laryngeal Speculum, **Jackson's,** anterior commissure.

*C–5887 Laryngeal Speculum, **Johnston's.**

C–5888 Esophageal Speculum, **Jackson's** (adult).

C–5889 Esophageal Speculum, **Jackson's** (child's).

C–5890 Esophagoscope, **Jackson's,** slanted end, without obturator, with auxiliary drainage tube, No. 1 (adult); No. 2 (child's).

C–5891 Bronchoscope, **Jackson's,** slanted end, without obturator, without auxiliary drainage tube, No. 3 (adult); No. 4 (adolescent); No. 5 (child's); No. 6 (infant's).

C–5892 Bronchoscope, **Jackson's,** blunt end, with auxiliary drainage tube, 7 mm. by 45 cm., 5 mm. by 45 cm., 5 mm. by 30 cm.

*C–5893 Bronchoscope, **Jackson's,** modified by **Dr. D. Braden Kyle,** with long and short light carriers, 7 mm. by 40 cm.

C–5894 Gastroscope, **Jackson's,** for ordinary cases, 10 mm. by 70 cm.

C–5895 Gastroscope, **Jackson's,** for extreme cases of gastroptosis, 10 mm. by 80 cm.

C–5896 Window Plug, for **Jackson's** Esophagoscope and Gastroscope, used by **Dr. Mosher** for ballooning oesophagus or stomach.

C–5897 **Jackson's** Forceps, 36, 60 and 85 cm.

C–5898 **Jackson's** Two Ring Handle, interchangeable.

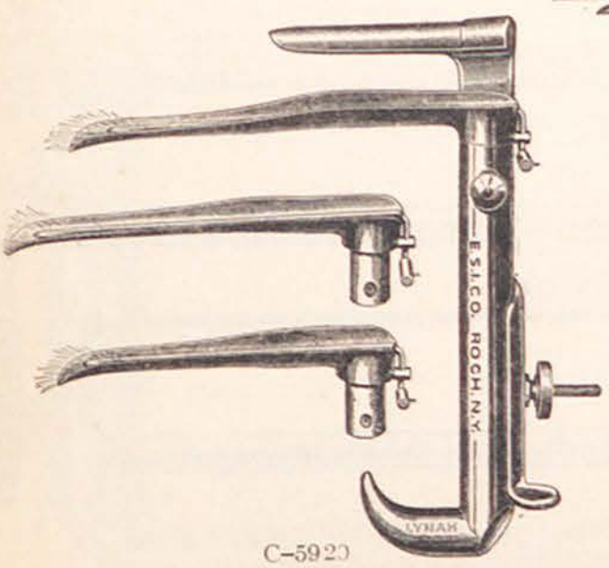
C–5899 **Jackson's** Cotton Carrier, 36, 60 and 85 cm.

C–5900 **Jackson's** Hook, 36, 60 and 85 cm.

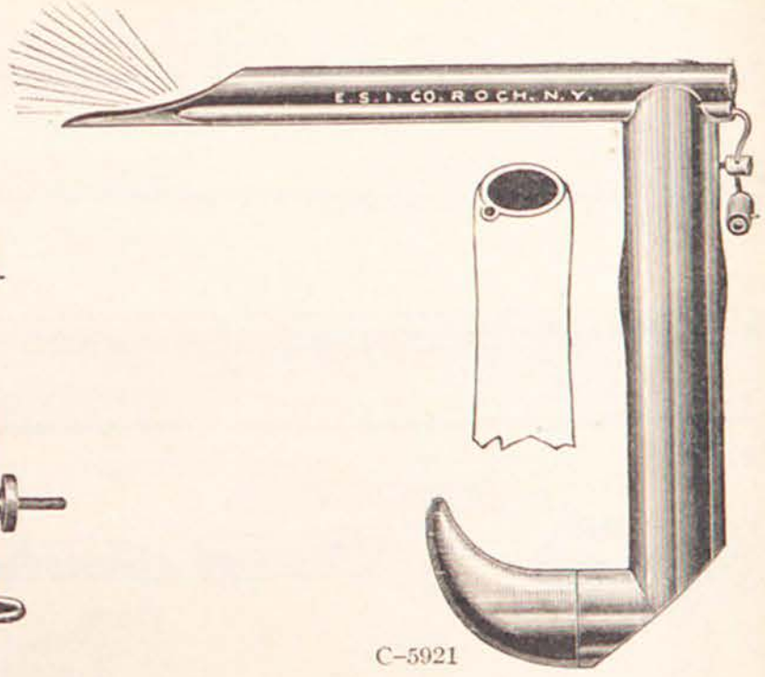
C–5901 **Jackson's** Probe, 36, 60 and 85 cm.

*C–5902 **Jackson's** Drainage Tube, 36, 60 and 85 cm.

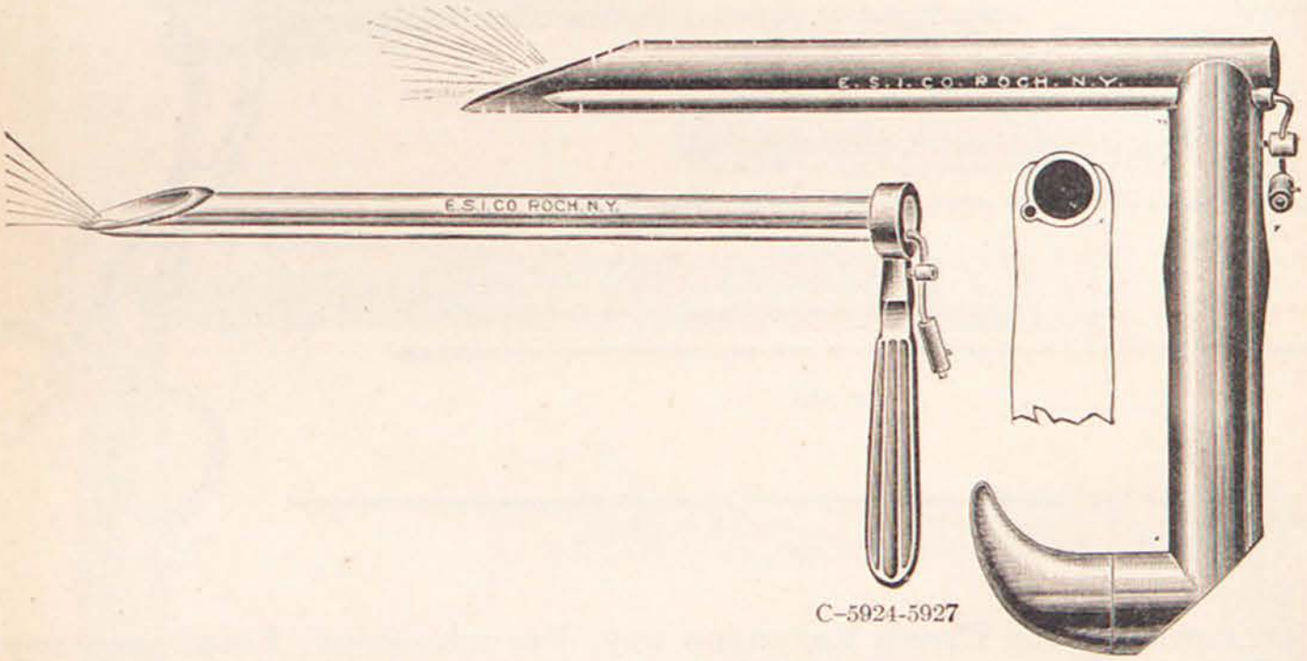
*C–5903 Extra lamps for light carriers, **E. S. I. Co.** No. 2.



C–5920



C–5921



C–5924-5927

C–5923

C–5920 **Lynah's** Intubation Speculum, with 3 blades, 14½, 12½ and 10½ cm.

C–5921 **Lynah's** Ovoid Laryngeal Speculum, size, 14 mm. x 11 mm. x 14 cm.

*C–5922 **Lynah's** Oesophageal Speculum, same as C–5921, except size; child size, 14 mm. x 10 mm. x 18 cm.; adult size, 16 mm. x 12 mm. x 25 cm.

C–5923 **Lynah's** Anterior Commissure Laryngoscope, size, 14 mm. x 18 cm.

C–5924 **Lynah's** Bronchoscope, adult size, 9 mm x 40 cm.

C–5925 **Lynah's** Bronchoscope, adolescent size, 7 mm x 40 cm.

C–5926 **Lynah's** Bronchoscope, child size, 5 mm x 30 cm.

C–5927 **Lynah's** Bronchoscope, infant size, 4 mm x 30 cm.

*C–5928 **Lynah's** Oesophagoscope, adult size, 10 mm x 53 cm.

*C–5929 **Lynah's** Oesophagoscope, child size, 7 mm x 45 cm.

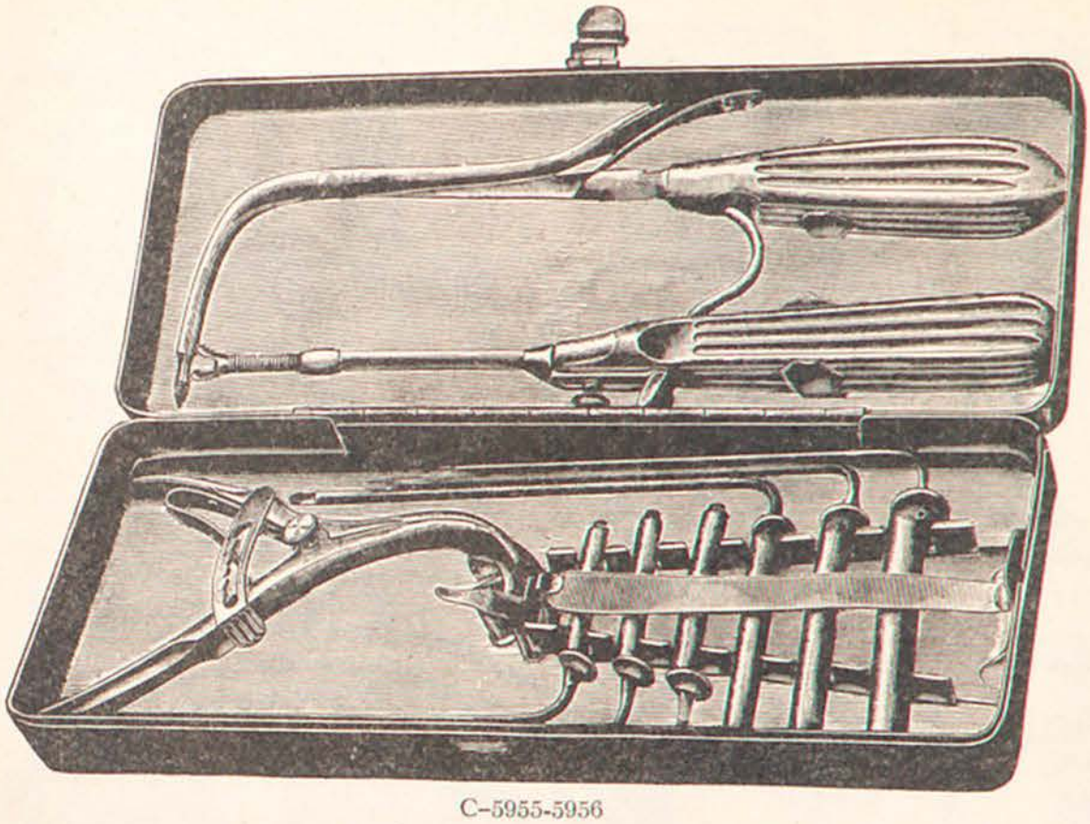
*C–5930 **Lynah's** Tracheascope, adult size, 9 mm x 22 cm.

*C–5931 **Lynah's** Tracheascope, adolescent size, 7 mm x 22 cm.

*C–5932 **Lynah's** Tracheascope, child size, 5 mm x 22 cm.

Dr. Lynah's instruments are the latest devices in the bronchoscopic field, They are made exclusively by the **Electro Surgical Instrument Co.,** Rochester, N. Y.

Illustrated descriptive pamphlet furnished upon request.



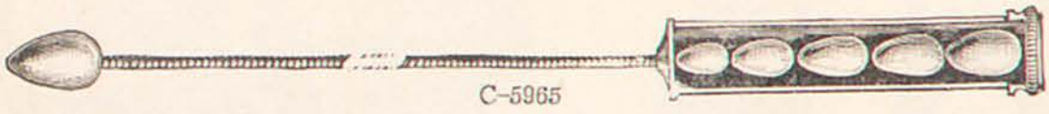
C–5955-5956



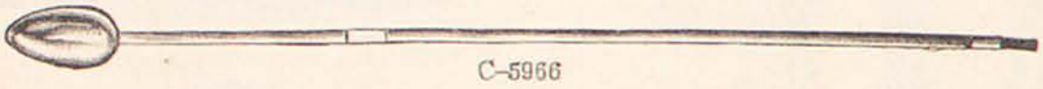
C–5960



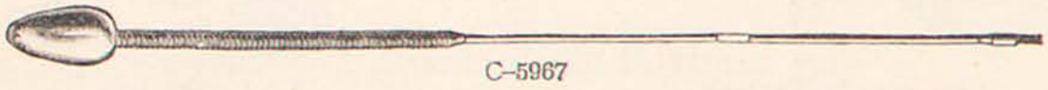
C–5961



C–5965



C–5966



C–5967



C–5968

Intubation Sets

*C–5950 **Ferroud-Thorner's,** with 1 handle, in metal case.
*C–5951 **Ferroud-Thorner's,** with 2 handles, in metal case
*C–5952 **Ferroud-Thorner's,** with 3 handles, in metal case.
C–5955 **O'Dwyer's,** with hard rubber covered tubes.
C–5956 **O'Dwyer's,** with gold-plated tubes.

Esophageal Bougies and Dilators

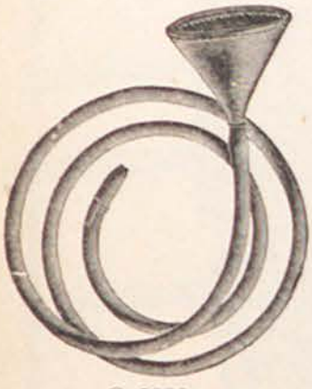
C–5960 Cylindrical Bougies, French, best quality, 16 to 30 Fr. in even numbers.
C–5961 Olive Point Bougies, French, best quality, 16 to 30 Fr. in even numbers.
C–5965 **Trousseau's** Dilator, spiral stem, 6 metal olives.
C–5966 **Trousseau's** Dilator, oval metal stem, 6 metal olives.
C–5967 **Trousseau's** Dilator, Douglass' stem, 6 metal olives.
C–5968 **Trousseau's** Dilator, whalebone stem, 6 hard rubber olives.



Open End



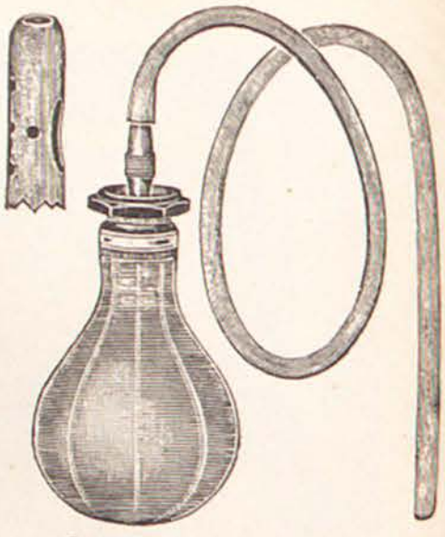
Closed End



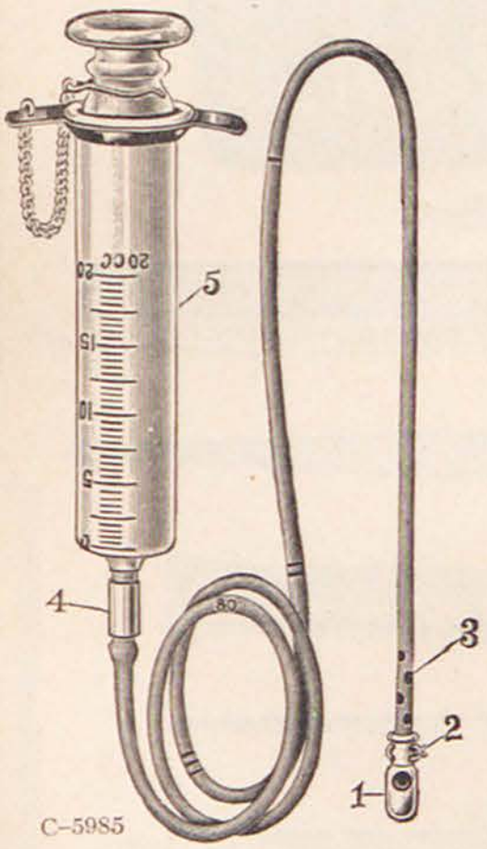
C–5980



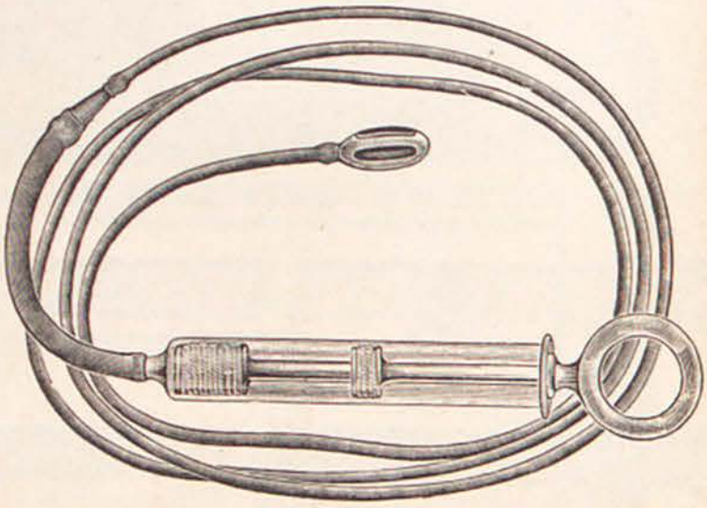
C–5981



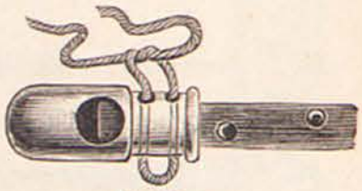
C–5975–5976



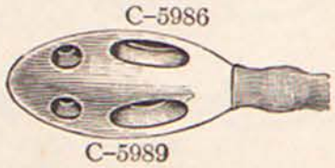
C–5985



C–5997



C–5986



C–5989



C–5994



C–5998



C–5987



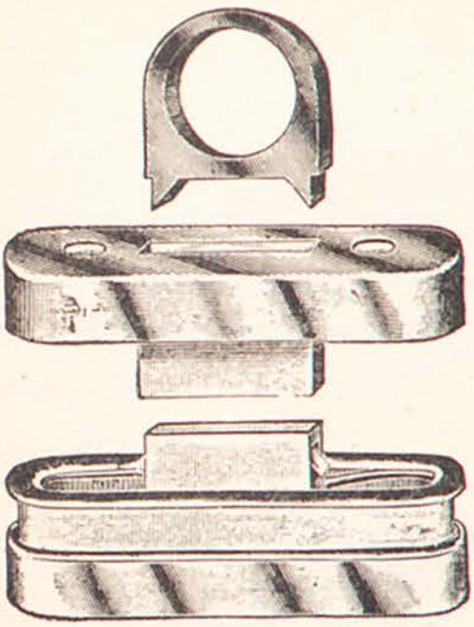
C–5996

Stomach Tubes

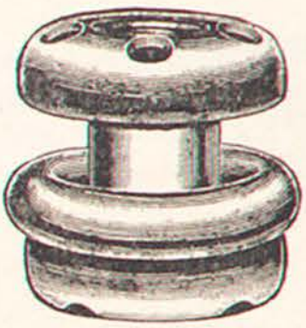
C–5975 **Ewald's** Aspirator.
C–5976 **Ewald's** Tube, only, 24 inches.
C–5980 Soft rubber with funnel, 60 inches; 3 sizes, open or closed end.
C–5981 Soft rubber with bulb and funnel, 60 Inches; 3 sizes, open or closed end.
*C–5982 Soft rubber, **Paine's** Nasal Feeding Tubes.

Duodenal Outfits and Tips

C–5985 **Buckstein's,** complete with syringe or without syringe.
C–5986 **Buckstein's,** tip only.
C–5987 **Einhorn's,** tip only.
*C–5988 **Kanavel's,** complete with syringe or without syringe.
C–5989 **Kanavel's,** tip only.
*C–5991 **Jutte's,** complete.
*C–5993 **Lyons',** complete with syringe or without syringe.
C–5994 **Lyons',** tip only.
*C–5995 **Palefski's,** complete with syringe or without syringe.
C–5996 **Palefski's,** tip only.
C–5997 **Rehfuss',** complete with syringe or without syringe.
C–5998 **Rehfuss',** tip only.
*C–5999 X-Ray Duodenal Tubes, French, gum elastic.



C–6007



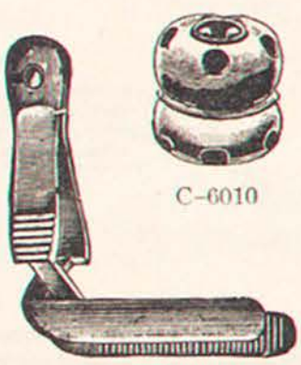
C–6008



No. 1

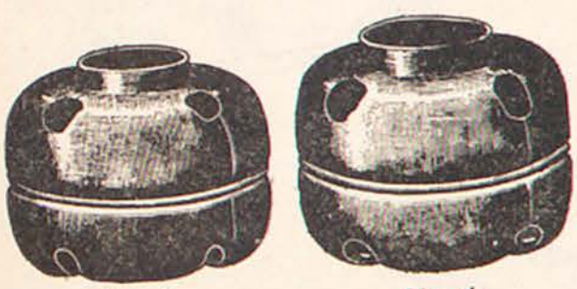


No. 2



C–6010

C–6016

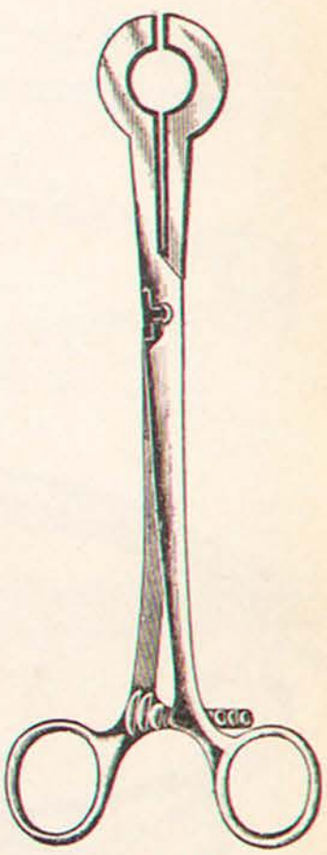


No. 3 No. 4

C–6006



C–6009



C–6015

Anastamosis Buttons, etc.

*C–6000 **Jaboulay-Lumiere's,** 3 sizes.

*C–6005 **Murphy's,** for draining the gall bladder, 1 size.

C–6006 **Murphy's,** regular, 4 sizes.

C–6007 **Murphy's,** oval, gastro-enterostomy, 1 size.

C–6008 **Murphy's,** round, gastro-enterostomy, 1 size.

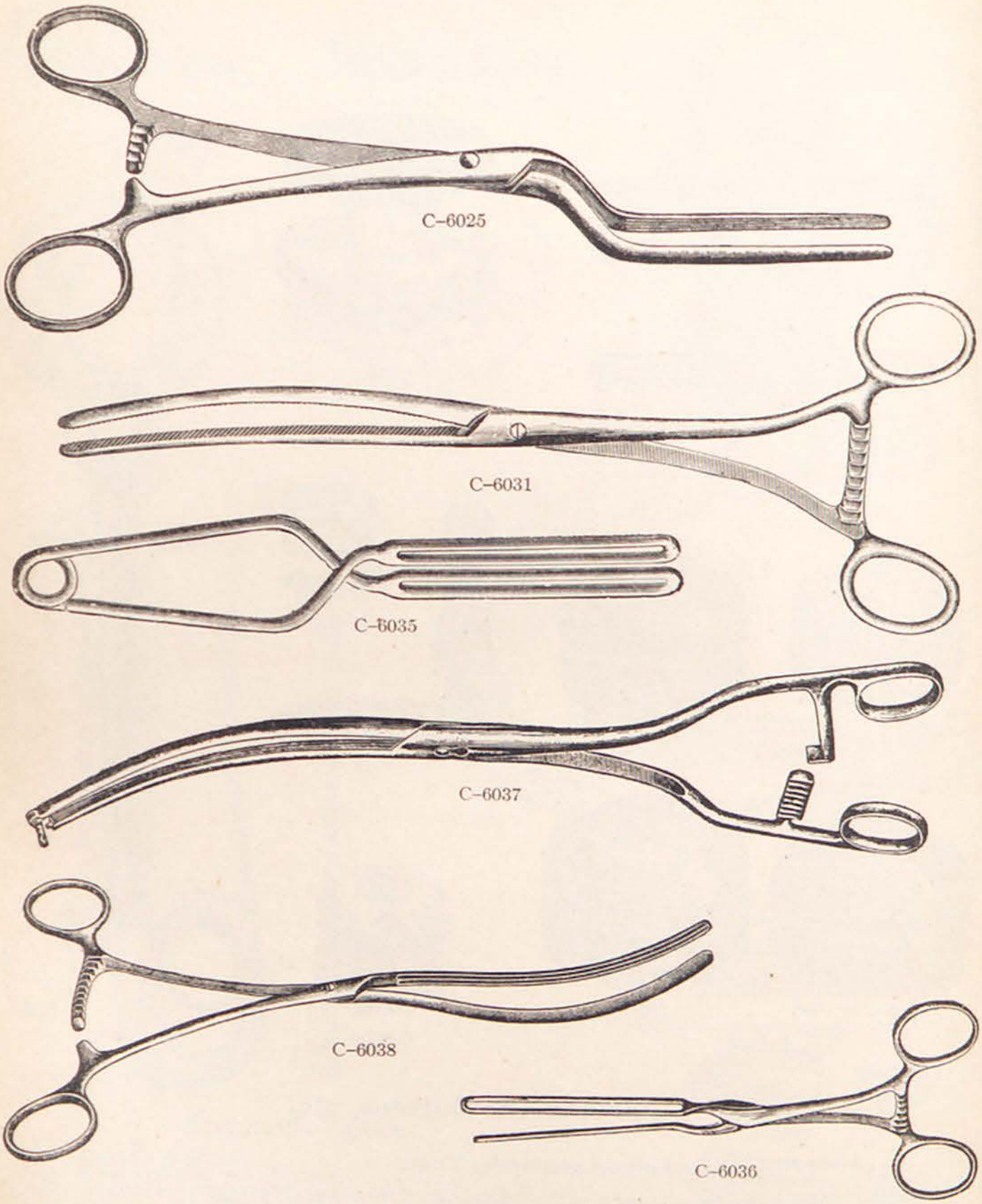
C–6009 **Murphy's,** round, small, ¾ inch in diameter.

C–6010 **Murphy's,** round, extra small, ½ inch in diameter.

C–6015 **Murphy's** Button Forceps, introducing.

C–6016 **Murphy's** Clamp.

*C–6020 **Tennant's** Anastamosis Forceps.

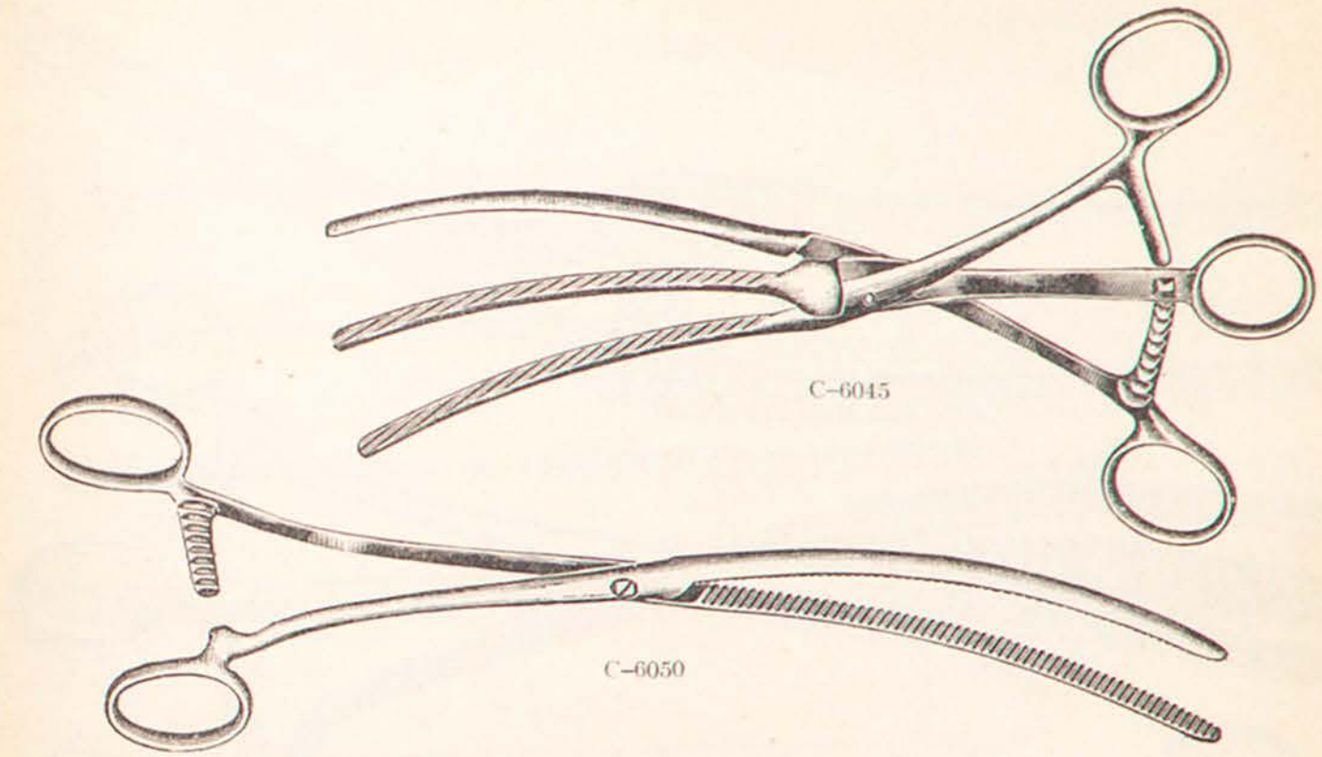


Stomach and Intestinal Clamps and Forceps

(See also pages 82 and 83)

C–6025 **Brunner's,** bayonet shape, 10 inches.
*C–6030 **Doyen's,** straight, 8¾ inches.
C–6031 **Doyen's,** curved, 9 inches.
C–6035 **Knapp's,** intestinal, 7 inches.
C–6036 **Kocher's,** occlusion, 7½ inches, screw lock.
C–6037 **Kocher's,** curved, for resections, 14½ inches.
C–6038 **Kocher's,** double curved, 9¾ inches and 10½ inches.
*C–6040 **Lane's,** gastro-enterostomy, 2 in set.

Intestinal and Marginal Forceps (see pages 82 and 83)



C–6045

C–6050



C–6056

C–6065-6066

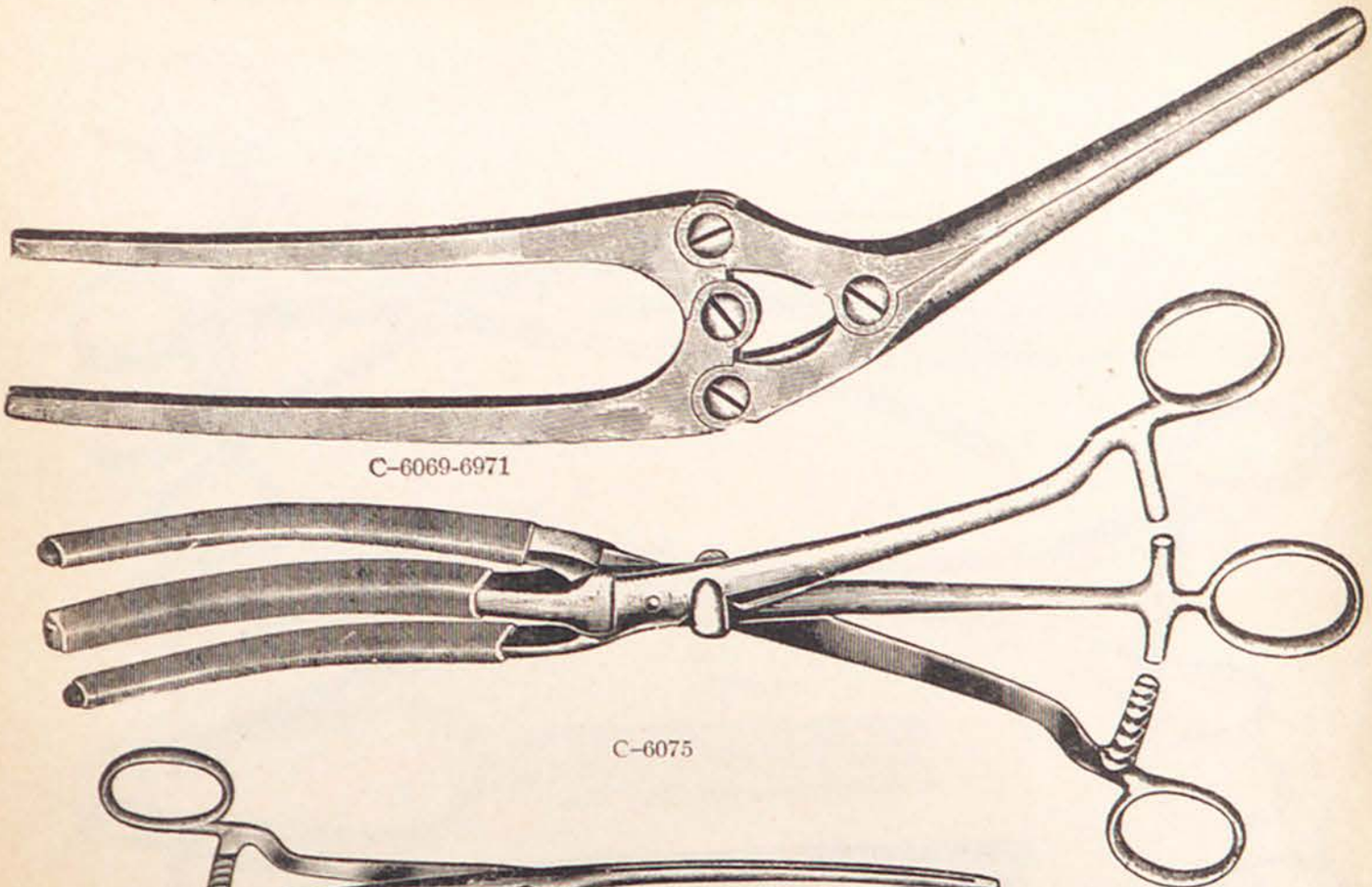
C–6067-6068

Stomach and Intestinal Clamps and Forceps

(See also pages 82 and 83)

C–6045 **Linnartz',** 3-bladed, intestinal.
*C–6046 **Linnartz',** 3-bladed, gastro enterostomy.
C–6050 **Mayo-Robson's,** 10 inches.
*C–6055 **Moynihan's,** 11½ inches.
C–6056 **Moynihan's,** 15 inches.
*C–6057 **Moynihan's,** gastro enterostomy, 3 blades, 13 inches.
*C–6060 **O'Hara's,** intestinal, set of 2.
C–6065 **Payr's,** intestinal, straight, 9½ inches.
C–6066 **Payr's,** intestinal, straight, 10½ inches.
C–6067 **Payr's,** intestinal, curved, 9½ inches.
C–6068 **Payr's,** intestinal, curved, 10½ inches.

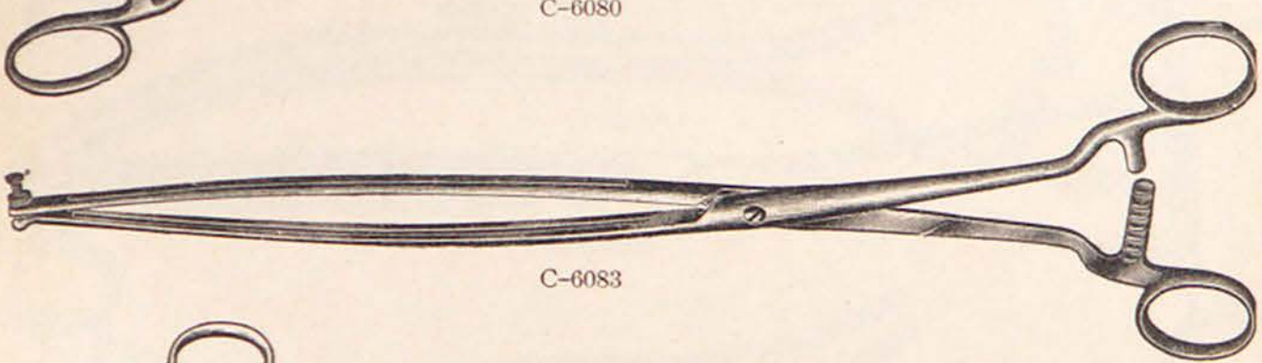
Intestinal and Marginal Forceps (see pages 82 and 83)



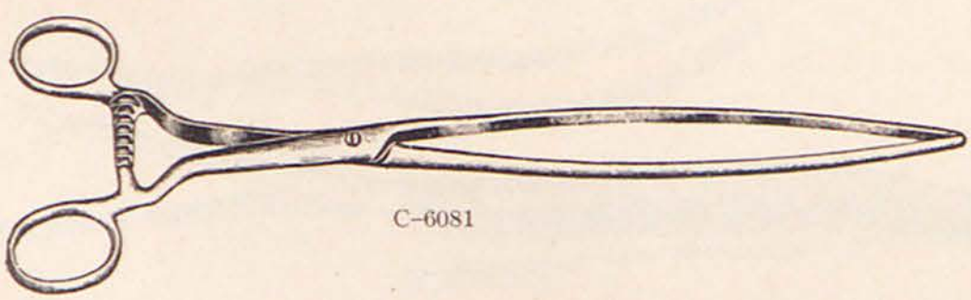
C–6069-6971

C–6075

C–6080



C–6083



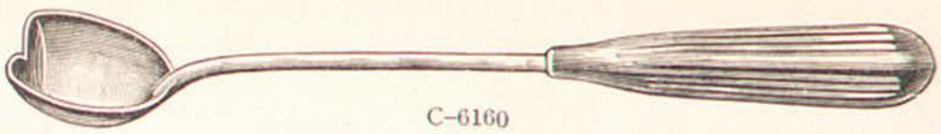
C–6081

Stomach and Intestinal Clamps and Forceps

(See also pages 82 and 83)

C–6069 **Payr's,** pylorus, 8 inches.
C–6070 **Payr's,** pylorus, 11 inches.
C–6071 **Payr's,** pylorus, 13¾ inches.
C–6075 **Roosevelt's,** gastro enterostomy, 3 blades.
C–6080 **Scudder's,** intestinal, fenestrated blades, 9 and 9¾ inches.
C–6081 **Scudder's,** intestinal, solid blades, 9½ and 13 inches.
*C–6082 **Scudder's,** intestinal, inverted ring handles, 13 inches.
C–6083 **Scudder's,** stomach, straight, fenestrated blades, 14 inches.
*C–6084 **Scudder's,** stomach, curved, fenestrated blades, 14 inches.
*C–6090 **Thomas'** (**Lynn**), 3 blades.

Intestinal and Marginal Forceps (see pages 82 and 83)



C–6160



C–6150



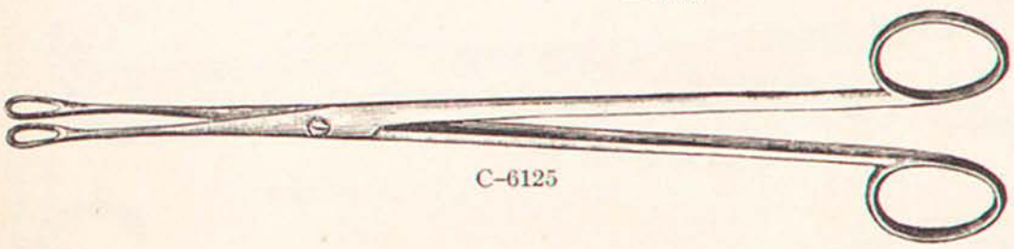
C–6145



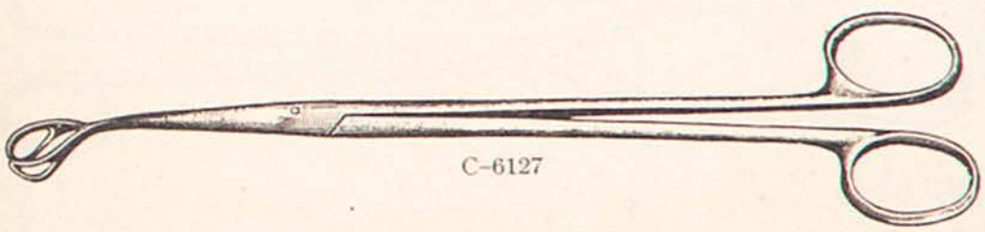
C–6155



C–6156



C–6125



C–6127



C–6115



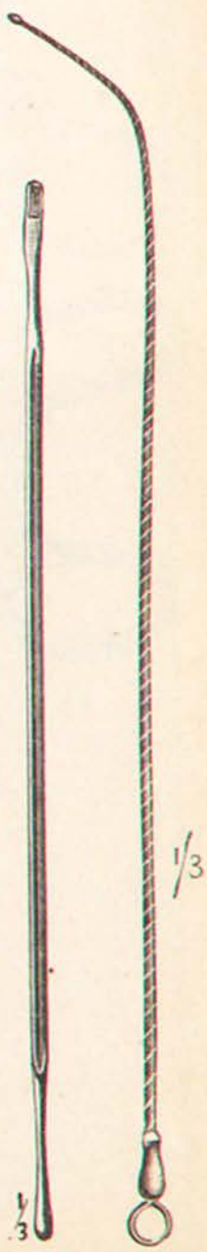
C–6120

Intestinal Instruments

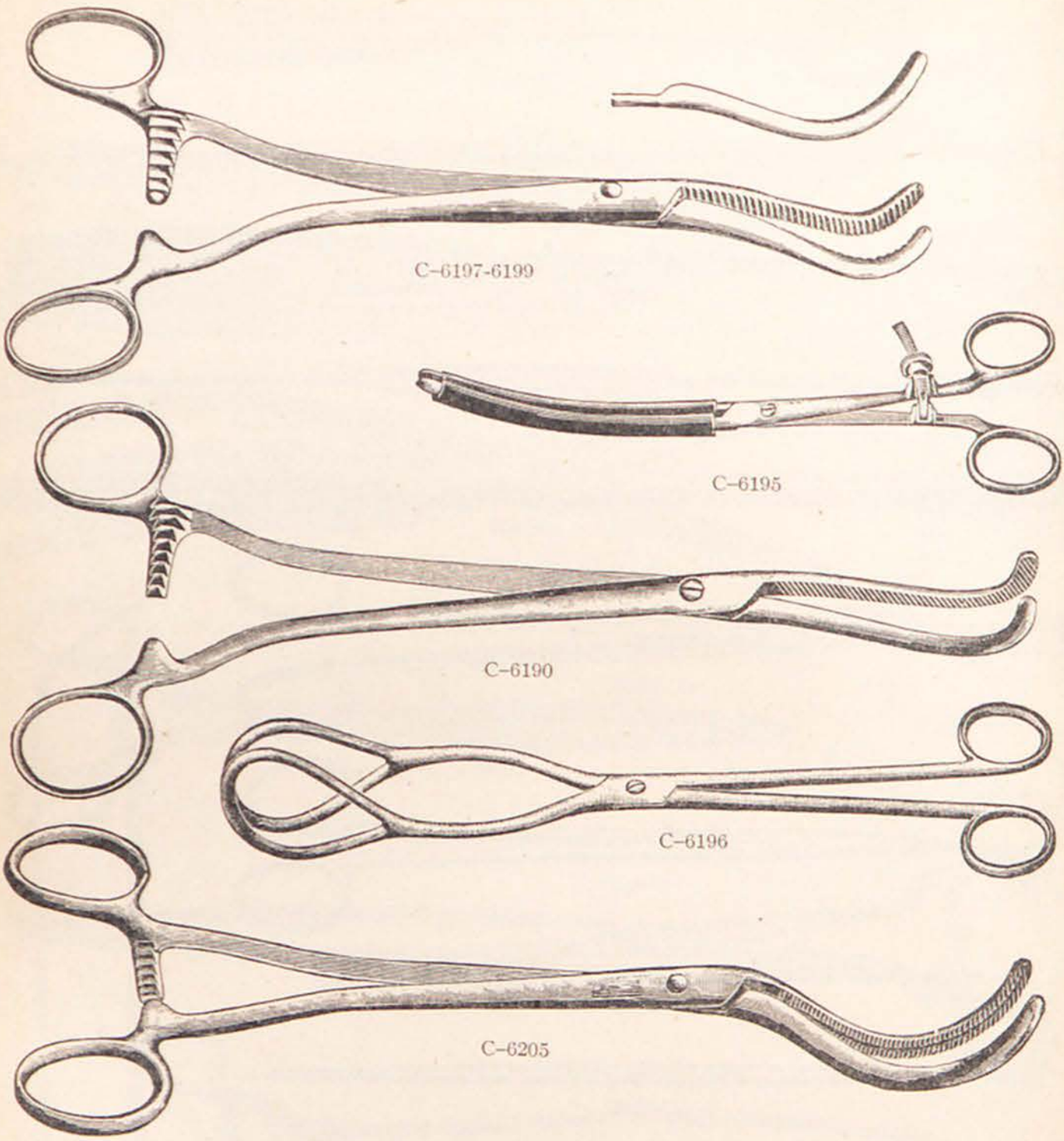
*C–6100 Packer, **Kelly's,** trident.
*C–6105 Replacer, **Richardson's,** bowel.
*C–6110 Tucker, **Barrett's,** appendix.
C–6115 Tucker, **Mayo-Boldt's,** for tucking the cuff of the appendix.
C–6120 Tucker and Packer, **Mayo-Kelly's.**

Gall Bladder Instruments

C–6125 Forceps, **Blake's,** straight.
*C–6126 Forceps, **Blake's,** curved.
C–6127 Forceps, **Blake's,** modified by Mayo.
*C–6130 Forceps, **Collins',** gall duct.
C–6135 Probe, **Ochsner's,** spiral, gall duct.
C–6140 Probe and Scoop, **Moynihan's,** block tin.
C–6145 Scoop, **Desjardin's.**
C–6150 Scoop, **Ferguson's,** double ended, 3 sizes.
C–6155 Scoop, **Mayo's,** double ended, 1 size.
C–6156 Scoop, **Mayo-Robson's.**
C–6160 Spoon, **Moore's,** gall stone.
*C–6165 Trocar, **Ochsner's,** for draining the gall bladder.



C–6140 C–6135



Gall Stone Forceps

*C–6170 **Stille's.**
*C–6175 **Tait's.**
*C–6180 **Wardlow's.**

Nephrectomy Forceps

C–6190 **Guyon's,** vessel clamp, serrated jaw.
C–6195 **Lower's,** vessel clamp, rubber-covered jaws.
C–6196 **Lower's,** elevating forceps.
C–6197 **Mayo's,** vessel clamp, 8 inches.
C–6198 **Mayo's,** vessel clamp, 8¾ inches.
C–6199 **Mayo's,** vessel clamp, 9½ inches.
*C–6200 **Sherk's,** elevating (see page 320).
C–6205 **Stille's,** vessel clamp.

Retractors (see pages 94 to 98)

Section "D"

Rectal Prostatic

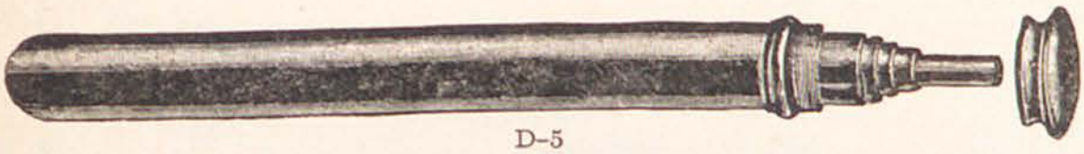
Phimosis Vesical

Urethral Ureteral

Instruments



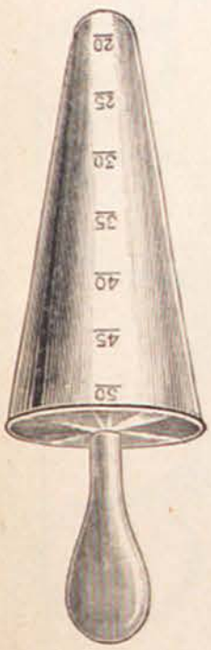
D–10



D–5



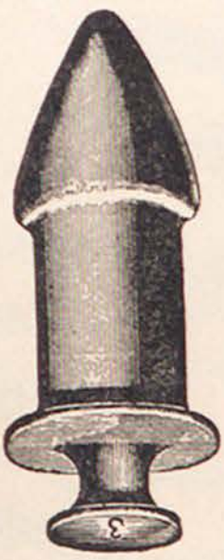
D–60



D–20



D–26



D–30



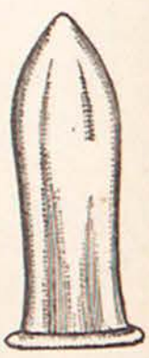
D–70



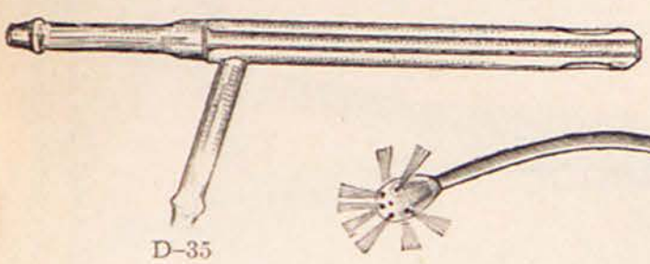
D–75



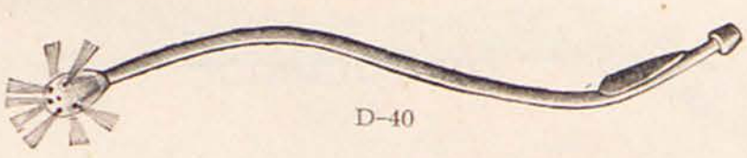
D–80



D–15



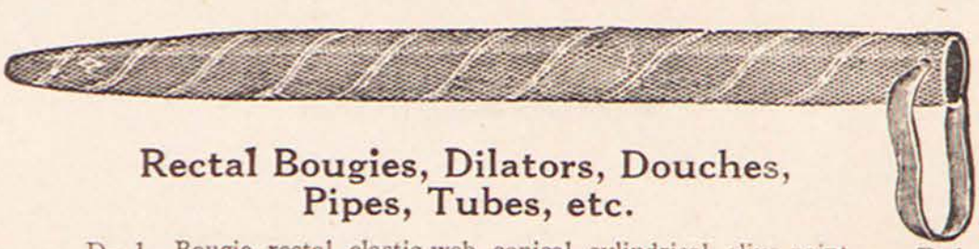
D–35



D–40



D–45



D–1



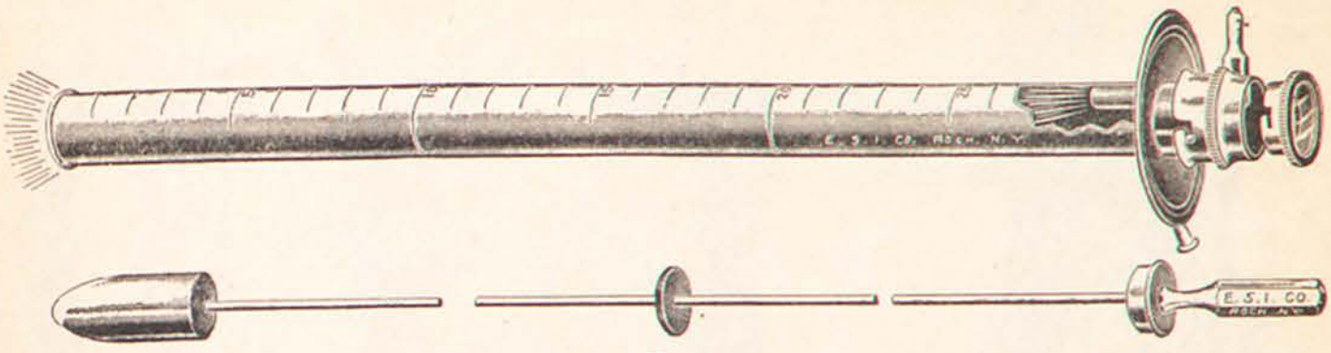
D–51



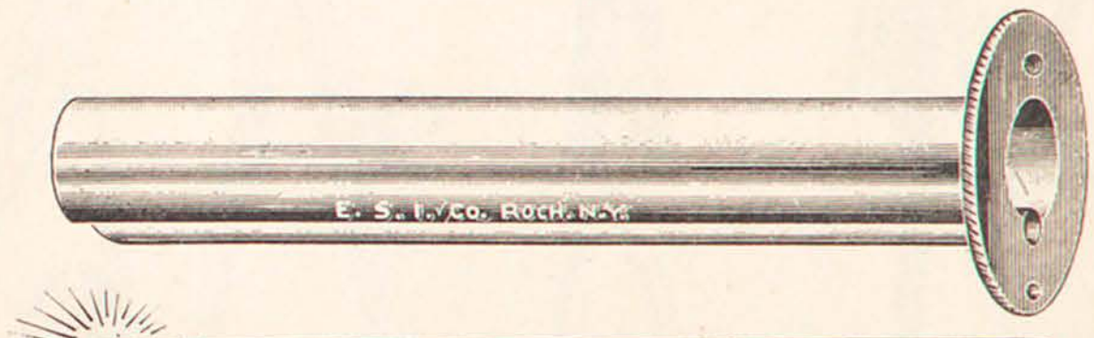
D–55

Rectal Bougies, Dilators, Douches, Pipes, Tubes, etc.

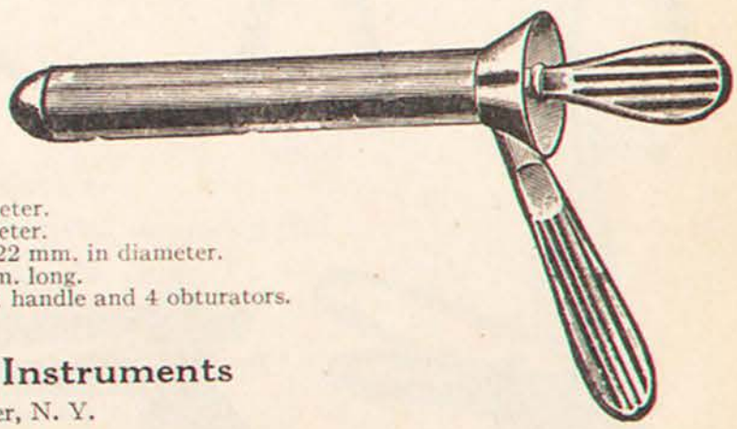
D– 1	Bougie, rectal, elastic web, conical, cylindrical, olive point.
D– 5	Bougie, rectal, hard rubber, set of 6, nested.
D–10	Bougie, rectal, **Wales',** soft rubber, olive point, Nos. 1–12.
D–15	Dilator, glass, 3 sizes.
D–20	Dilator, **Kelly's,** conical, sphincter.
*D–25	Dilator, **Pratt's,** plain, metal, 6 sizes, Nos. 0–5.
D–26	Dilator, **Pratt's,** screw top, Nos. 0–5.
*D–27	Dilator, **Pratt's,** with inlet and outlet, Nos. 0–5.
D–30	Dilator, **Young's,** hard rubber, 4 sizes.
*D–31	Dilator, **Young's,** Perfection, hard rubber, 4 sizes.
D–35	Douche, **Chetwood's,** glass.
D–40	Douche, **Cole's,** sigmoid.
D–45	Douche, **Guitera's,** metal.
*D–50	Douche, **Kemp's,** glass.
D–51	Douche, **Kemp's,** metal.
D–55	Douche, **Martin's,** metal.
D–60	Pile Pipe, **Bolton's,** hard rubber,
*D–65	Pile Pipe, plain, hard rubber.
D–70	Pile Pipe, **Seeley's,** for ointment.
D–75	Rectal Tube, metal, spiral, 2 sizes.
D–80	Rectal Rube, soft rubber, open end or closed end.



D–115



D–110



D–100-101

Proctoscopes

D–100 **Kelly's,** 14 cm. long, 22 mm. in diameter.
D–101 **Kelly's,** 20 cm. long, 22 mm. in diameter.
*D–102 **Kelly's,** sigmoidoscope, 43 cm. long, 22 mm. in diameter.
D–103 **Kelly's,** sphincteroscope, conical, 5 cm. long.
*D–105 **Murphy's,** set of 4, telescopic, with 1 handle and 4 obturators.

Electrically Lighted Rectal Instruments

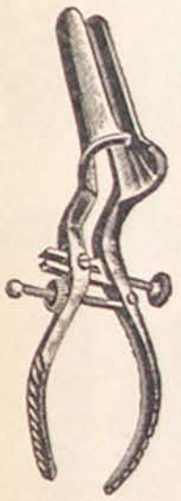
Made by the **E. S. I. Co.** of Rochester, N. Y.

D–110 The **E. S. I. Co.** Proctoscope, complete with light carrier. Made in Nos. 45, 50, 55, 60 and 65 French scale, and in three lengths, 8, 15 and 20 cm.
D–115 The **Jerome M. Lynch** Procto-Sigmoidoscope, complete with obturator, light attachment, window, dilating bulbs and extra lamp. 65 French scale, 3 lengths, 5 cm., 10 cm. and 30 cm.
D–116 Extra lamps, **E. S. I. Co.** No. 7
*D–120 The **Jas. P. Tuttle** Operating Proctoscope, complete with light carrier, one extra lamp and interchangeable handles. Made in one size, 29 mm. in diameter, 15 cm. long.
*D–121 The **Jas. P. Tuttle** Pneumatic Procto-Sigmoidoscope, complete with obturator, interchangeable window, light carrier with one extra lamp, dilating bulbs and detachable handle. 57 French scale, 2 lengths, 4 inches and 10 inches.
D–122 Extra lamps, **E. S. I. Co.** No. 3
*D–125 **Brinckerhoff's** Rectal Speculum, 3 sizes, complete with light carrier.
D–126 Extra lamps, **E. S. I. Co.** No. 2
*D–130 **Cook's** Rectal Speculum, complete with light carrier.
*D–135 **Pratt's** Rectal Speculum, complete with light carrier.
D–136 Extra lamps for D–130 and 135, **E. S. I. Co.** No. 1

Complete illustrated descriptive catalogue of electrically lighted rectal instruments made by the Electro Surgical Instrument Co. sent on request.



D–103



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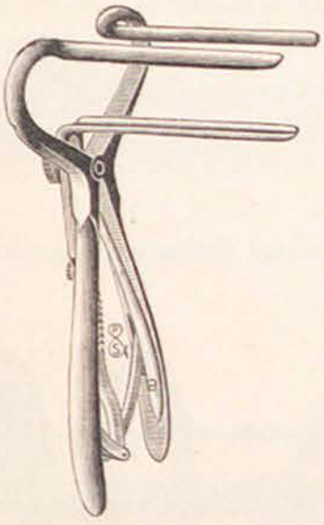

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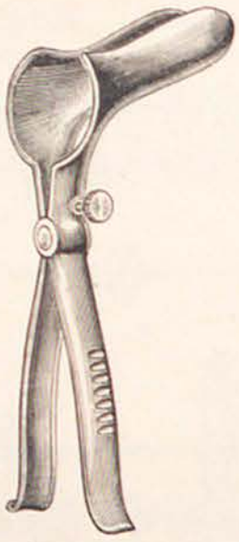

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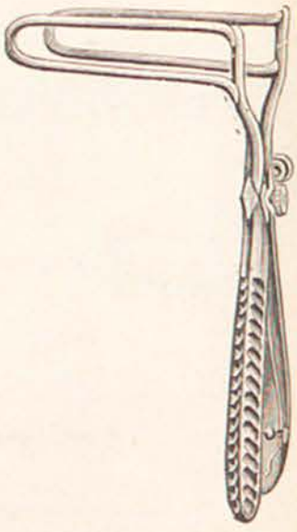
D–186



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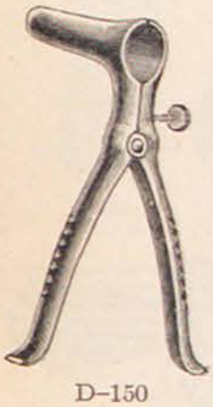

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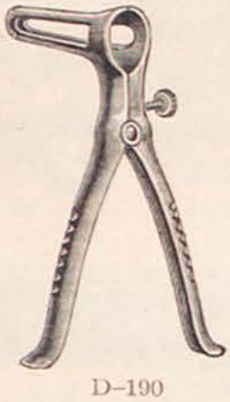

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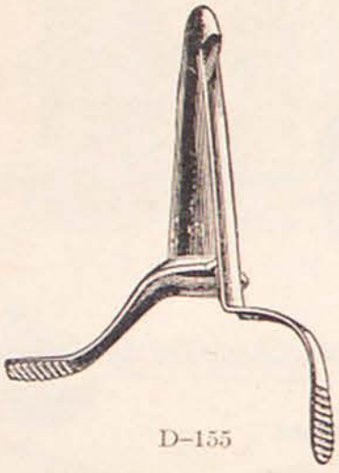

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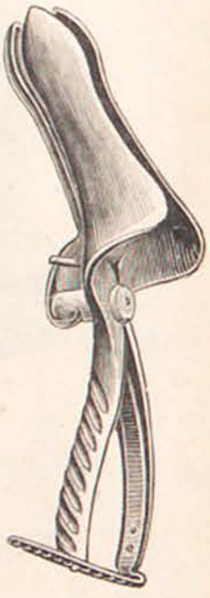

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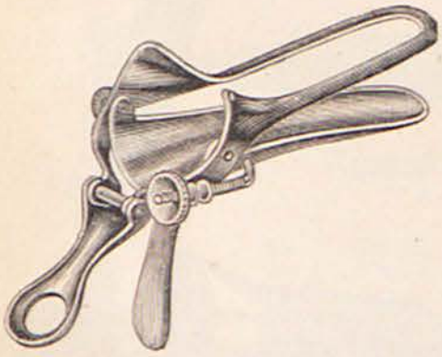

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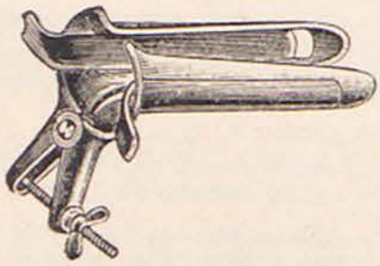

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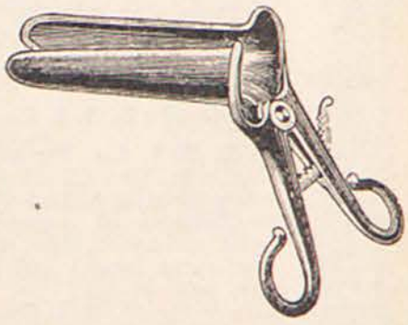
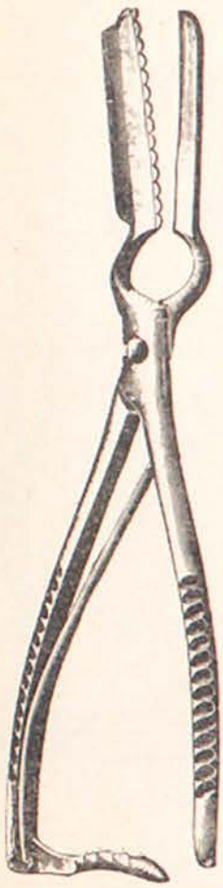


D–171

Rectal Specula

D–150 **Bodenhammer's.**
D–155 **Brinckerhoff's,** 3 sizes.
D–160 **Cook's,** forged steel.
D–165 **De Vilbiss',** opening parallel.
*D–170 **Gant's,** operating.
D–171 **Gant's,** plain.
*D–172 **Gant's,** fenestrated.
D–175 **Kelsey's,** folding handles.
D–178 **O'Neil's,** fenestrated, with slide.
*D–180 Plain, bivalve, hinged.
D–185 **Pratt's,** small and large.
D–186 **Pratt's,** sigmoid.
D–187 **Pratt's,** trivalve.
D–190 **Sim's,** plain.
D–191 **Sim's,** fine steel, fenestrated blades.



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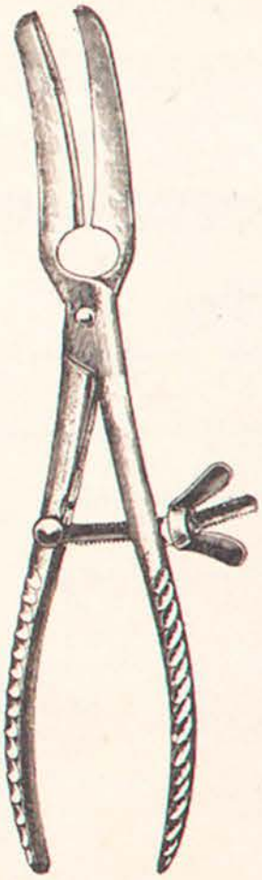

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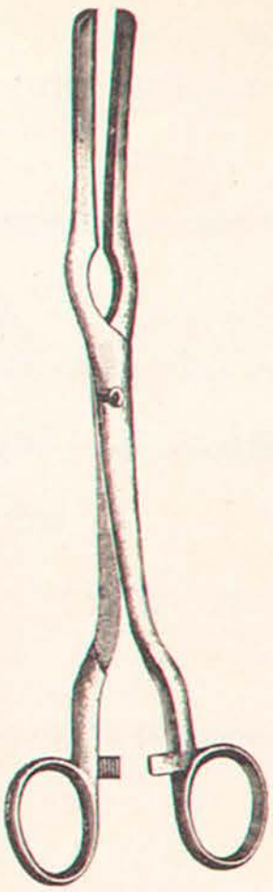

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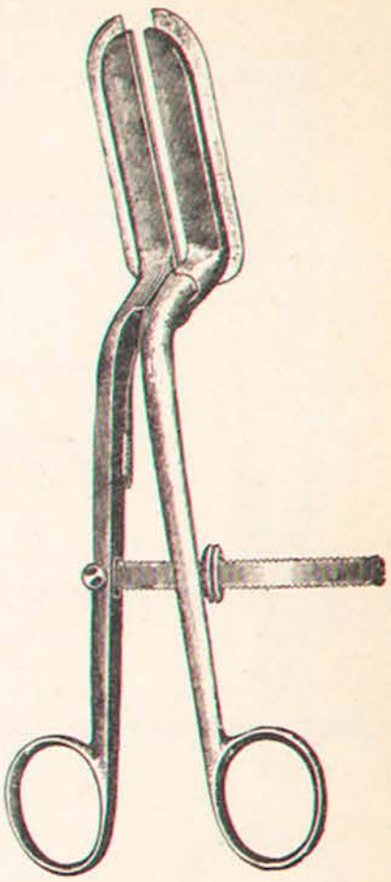

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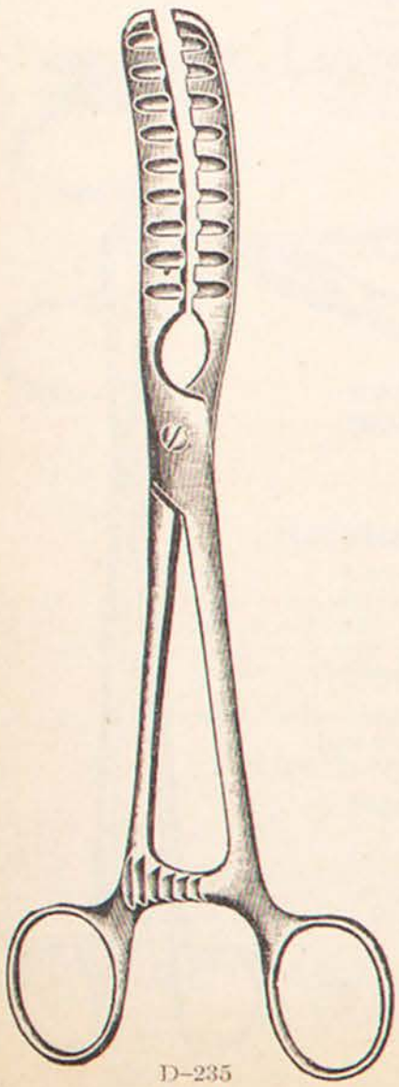
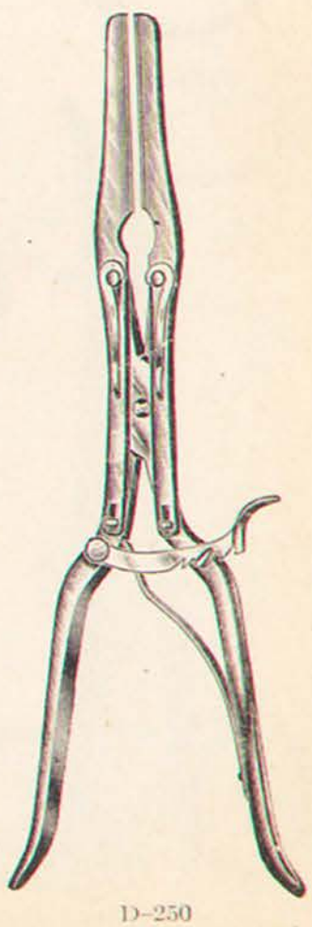


D–235

Haemorrhoidal Clamps

D–200 **Cook's.**
*D–205 **Earle's,** angular on flat.
*D–210 **Gant's,** steel.
D–215 **Jarvis'.**
D–220 **Jones',** ivory faced.
D–225 **Kelsey's.**
*D–230 **Linn's,** curved on edge.
D–235 **McLain's.**
*D–240 **Matthew's.**
*D–245 **Mathieu's,** ivory faced blades.
D–250 **Murray's,** parallel pressure.
*D–255 **Smith's,** ivory faced blades.



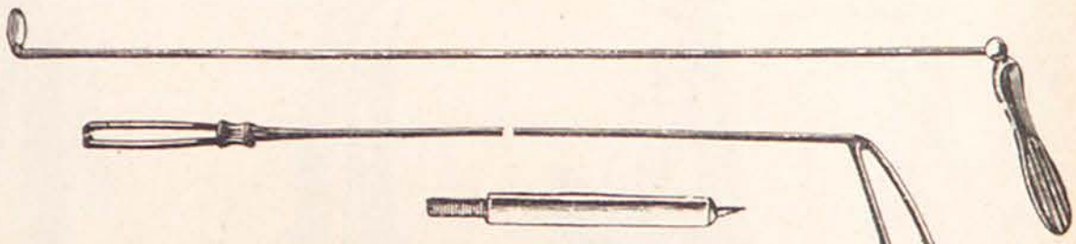
D–250



D–315



D–311

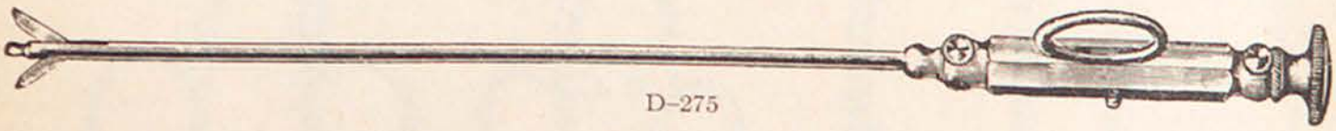


D–270



D–320

D–340



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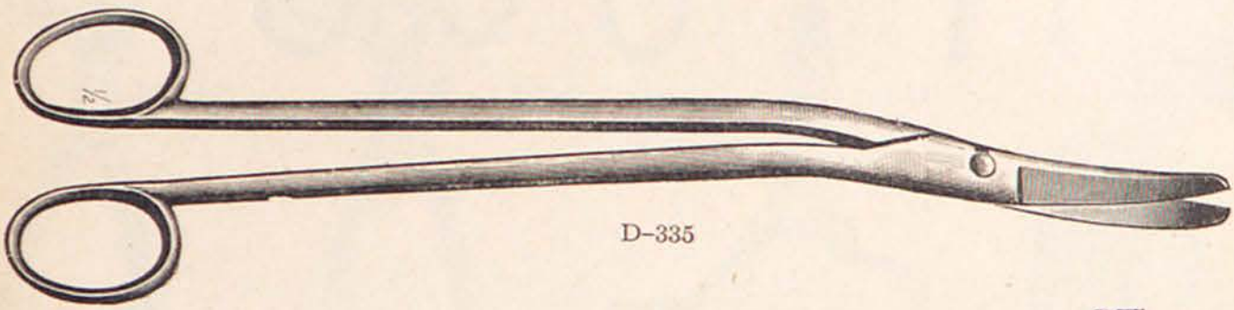

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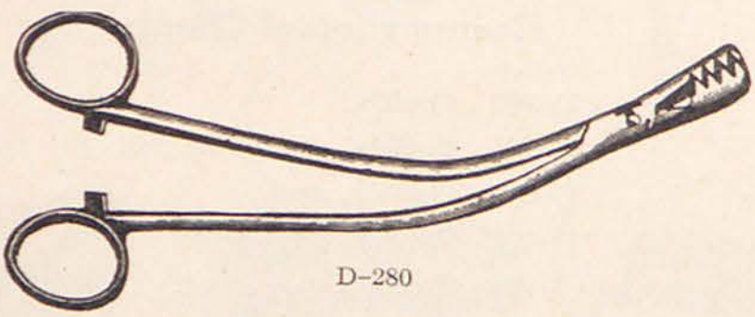

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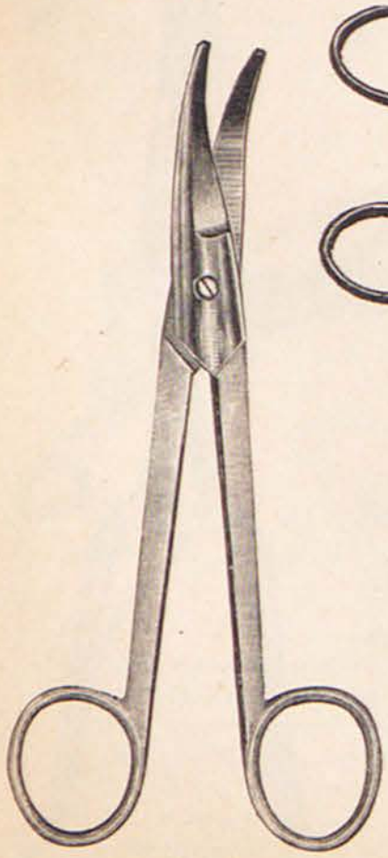
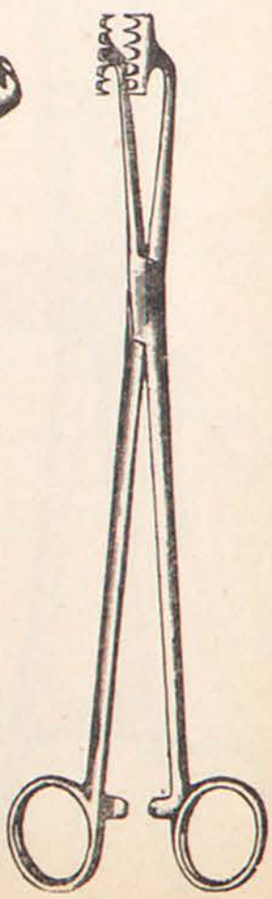


D–330

Sundry Rectal Instruments

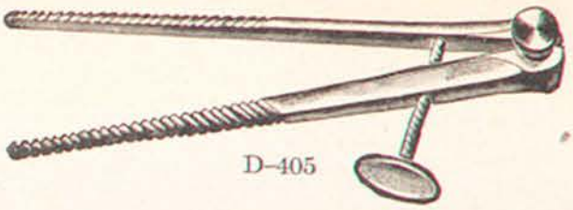
*D–265	Applicator, **Kelly's.**
D–270	Curette, **Kelly's.**
D–275	Fistulatome, **Matthew's.**
D–280	Forceps, **Gant's.**
*D–285	Forceps, **Kelly's,** with alligator jaw.
*D–290	Forceps, **Pratt's,** packing.
*D–295	Forceps, **Pratt's,** T-shaped, straight.
*D–300	Forceps, **Pratt-Smith's,** T-shaped, straight.
*D–305	Forceps, **Tuttle's,** dressing.
D–306	Forceps, **Tuttle's,** pile.
*D–310	Hook, **Edwards',** sharp.
D–311	Hook, **Edwards',** blunt.
D–315	Hook, **Pratt's,** sharp.
*D–316	Hook, **Pratt's,** blunt.
D–320	Needle, injecting, with guard.
*D–325	Probe, plated, with handle.
*D–326	Probe, silver, with handle.
D–330	Scissors, **Murray's,** curved on flat, with Mayo dissecting blades, 5½ inches and 6½ inches.
D–335	Scissors, **Pratt's,** improved.
D–340	Sponge Holder, **Kelly's.**



D–306



D–395



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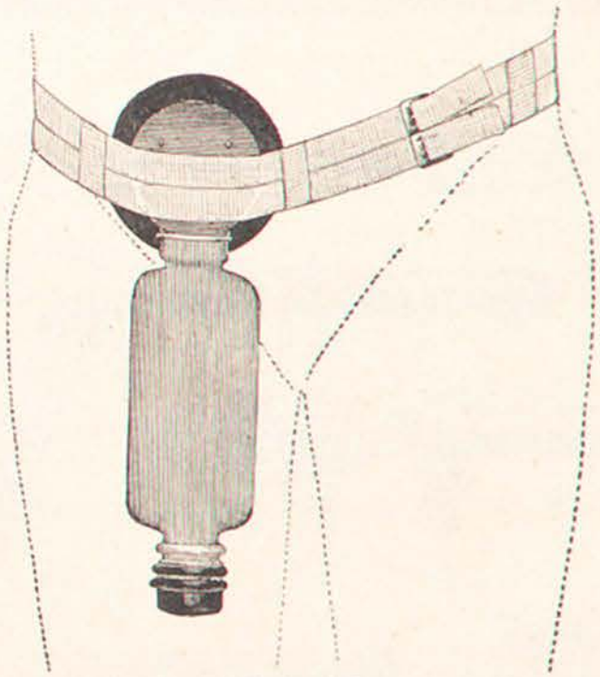


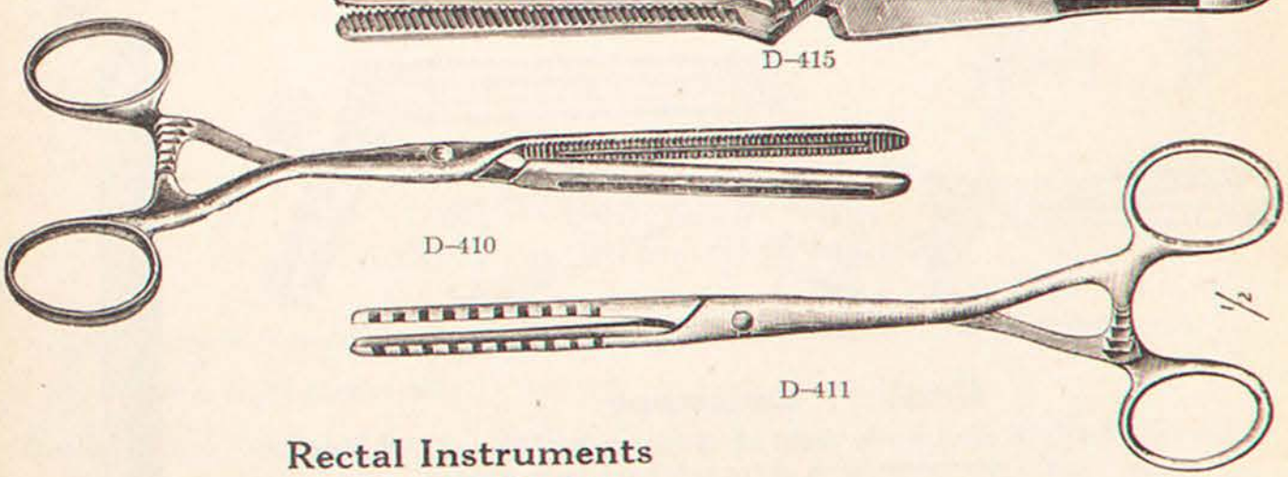
D–355-356



D–396



D–415



D–410

D–411

Rectal Instruments

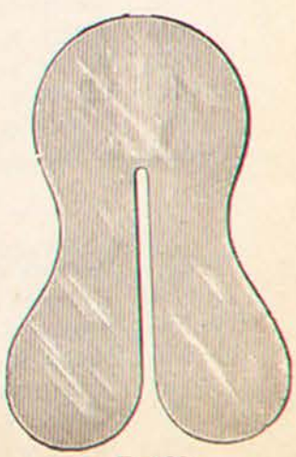
Colostomy Pouches

*D–350 French pattern, for left side.
*D–351 French pattern, for either side.
D–355 **Hofstetter's,** made entirely of soft rubber, clings close to body preventing any leak, the most satisfactory device made. Complete with one pouch.
D–356 **Hofstetter's,** extra colostomy pouches with hard rubber caps.

Urethral Instruments

Phimosis Forceps

*D–380 **Baird's,** 3 sizes.
*D–385 **Briggs'.**
*D–390 **Girdner's,** prepuce dilator.
D–395 **Haslam's,** straight, for bloodless operation.
D–396 **Haslam's,** curved, for bloodless operation.
*D–400 **Knox's.**
D–405 **Levis',** prepuce dilator.
D–410 **Ricord's.**
D–411 **Ricord-Tortat's.**
D–415 **Skillern's,** straight.
*D–416 **Skillern's,** curved.
D–420 Shield, circumcision.



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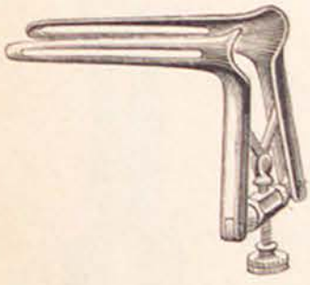
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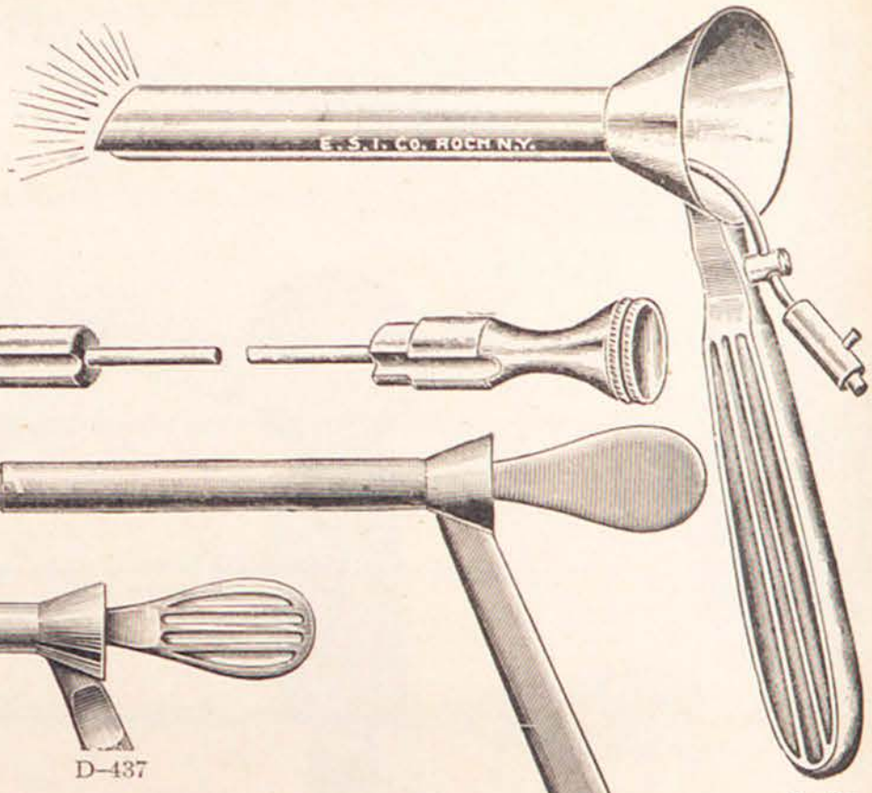
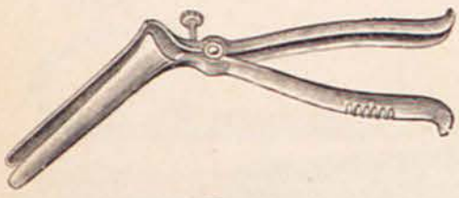


D–430

D–436


D–437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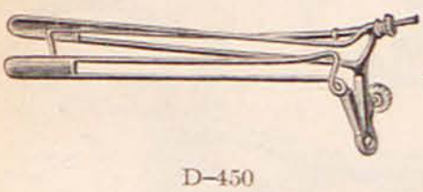
D–455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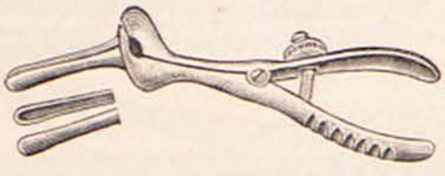

D–475

D–460

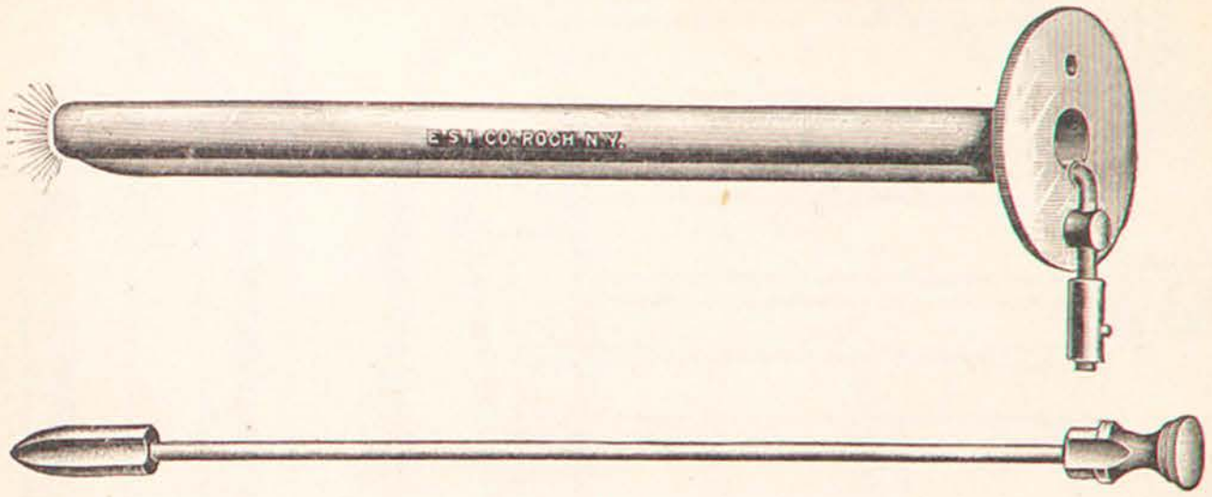

D–440-441

Urethral Endoscopes

D–430 **Kelly's** electrically lighted, 3 sizes, 28, 30 and 32 French scale, complete with obturator and light carrier.
D–431 Extra lamps, **E. S. I. Co.** No. 2.
*D–435 **Kelly-Gargean's,** with drain.
D–436 **Kelly's,** 16 sizes, 5 to 20 mm. in diameter.
D–437 **Kelly's,** oblique end, 16 sizes, 5 to 20 mm. in diameter.
D–440 **Klotz's,** plated, sizes Nos. 20, 24 and 26 French.
D–441 **Klotz's,** silver, sizes Nos. 20, 22, 24 and 26 French.
*D–445 **Otis',** plated, sizes Nos. 20, 22, 24 and 26 French.

Urethral Specula

D–450 **Brown's.**
D–455 **Caro's,** short or long.
D–460 **Farka's.**
D–465 **Pratt's.**
D–470 **Sampson's.**
D–475 **Skene's,** bivalve.
*D–480 **Smith's,** urethroscope.



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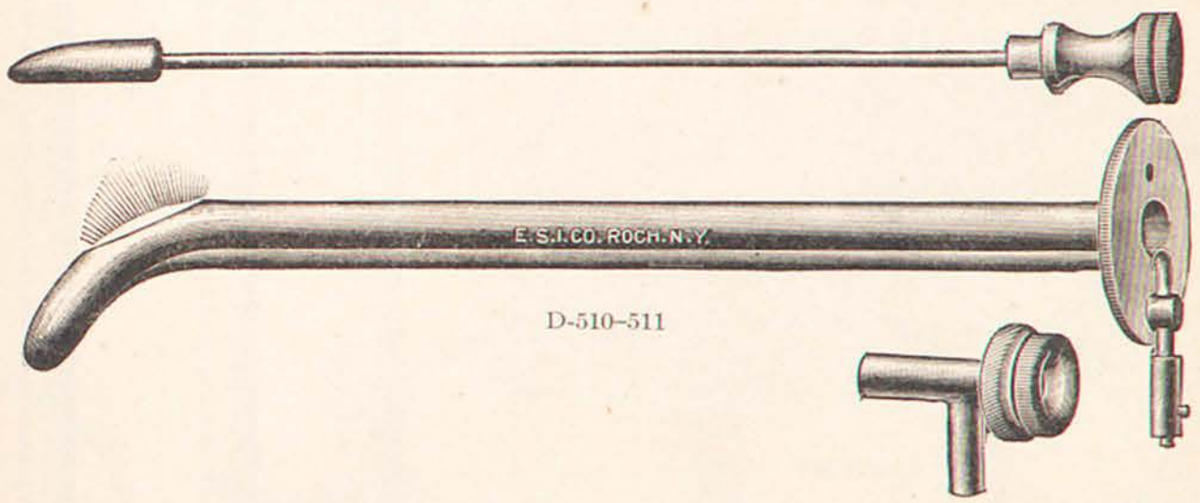


D-510–511

Urethroscopes, Electrically Lighted

D–500 **Koch's,** E. S. I. Co., complete, sizes, 18 to 33 French, 8, 12, or 15 cm. length.

*D–501 Extra light carrier only for above.

*D–502 Extra lamps for above. **E. S. I. Co.** No. 2.

*D–505 **McGowan's,** E. S. I. Co., with aspirating tube, complete, sizes 22 and 24 French, 12 or 15 cm. length.

*D–506 Extra light carrier for above.

*D–507 Extra lamps for above. **E. S. I. Co.** No. 2.

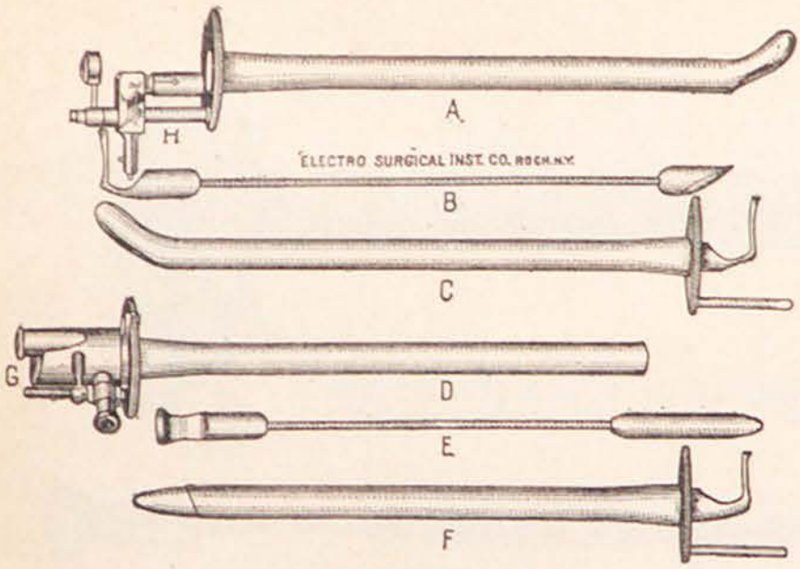
D–510 Swinburne's, posterior, E. S. I. Co., complete, with obturator and light carrier, sizes 22, 24 and 26 French, 16 cm. length.

D–511 Swinburne's, posterior, same as above, but with window and dilating bulb.

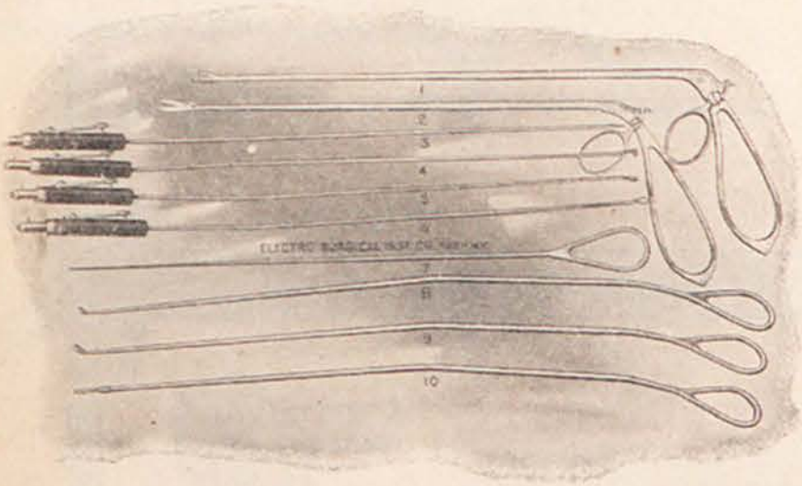
*D–512 Extra light carrier for above.

*D–513 Extra lamps for above. **E. S. I. Co.** No. 2.

Illustrated descriptive catalogue of all electrically lighted instruments made by the Electro Surgical Instrument Co. furnished on request.



D–520-523

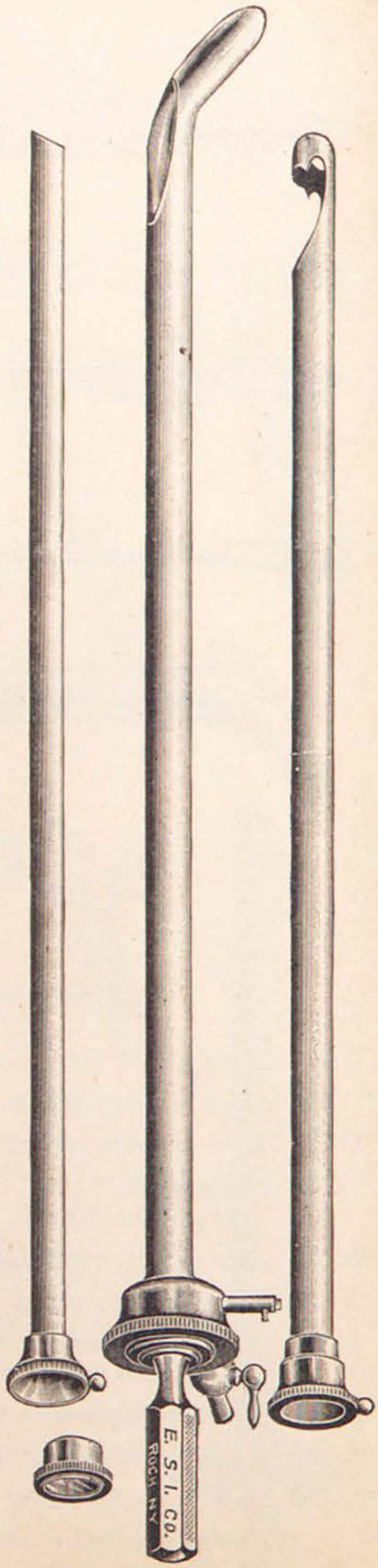


D–535-541

Urethroscopes, Electrically Lighted

D–515 **Braasch's,** with median bar excisor, **E. S. I. Co.,** size 26 French, 17 cm. long, complete with extra lamp.
D–516 **Braasch's,** same as above, complete in leather case.
D–517 Extra cutting tubes for above.
*D–518 Dilating bulb for above.
*D–519 Extra lamps for above. **E. S. I. Co.** No. 11.
D–520 **Young's** Urethroscope, **E. S. I. Co.,** straight, sizes 26 and 28 French, plated or silver, Figs. D, E, F.
D–521 **Young's** Urethroscope, beaked, sizes 26 and 28 French, plated or silver, Figs. A, B, C.
D–522 **Young's** Light Attachment, Fig. H.
D–523 **Young's** Dilating Window, Fig. G.
*D–524 Extra lamps for above. **E. S. I. Co.** No. 4.
*D–525 **Young's,** median bar excisor, complete with light attachment.
*D–526 **Young's** Median Bar Excisor, same as above, in leather case.
*D–527 Extra cutting tubes for above.
D–535 **Young's** Intra-Urethral Rongeur, Fig. 1.
D–536 **Young's** Intra-Urethral Scissors, Fig. 2.
D–538 **Young's** Intra-Urethral Cautery Electrodes, Figs. 3, 4, 5 and 6.
D–539 **Young's** Intra-Urethral Probe, Fig. 7.
D–540 **Young's** Intra-Urethral Curettes, Figs. 8 and 9.
D–541 **Young's** Intra-Urethral Porte Caustique, platinum jaws, Fig. 10.

Illustrated descriptive catalogue of all electrically lighted instruments made by the Electro Surgical Instrument Co. furnished on request



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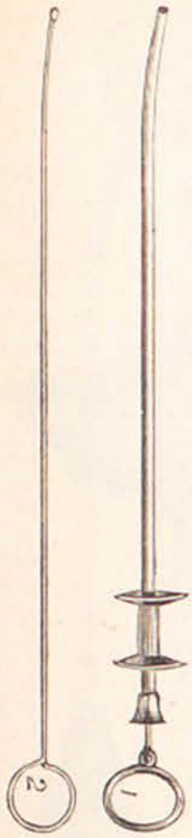
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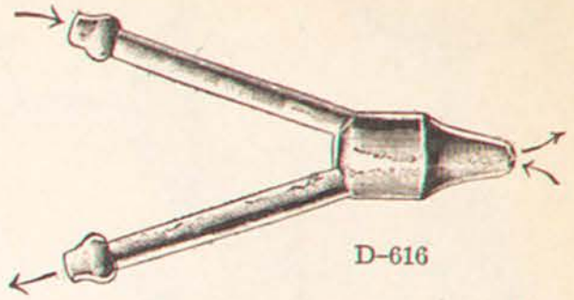
D-585


D-560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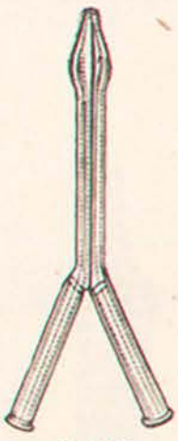
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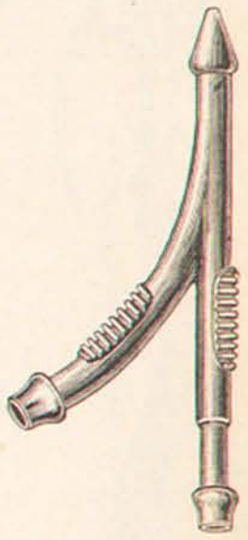
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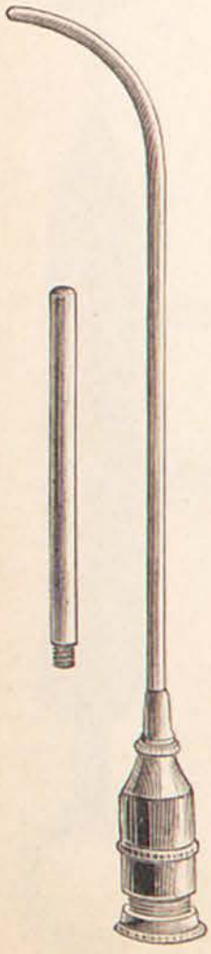
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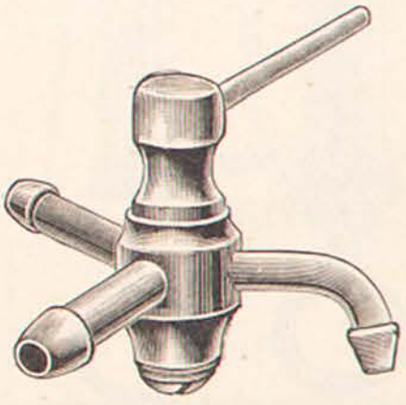
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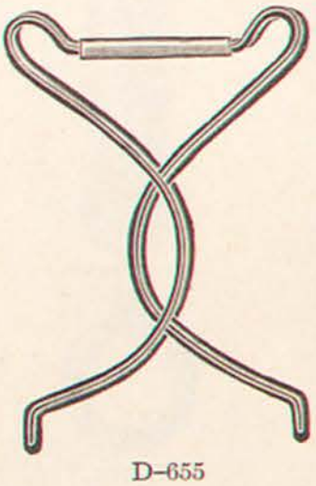
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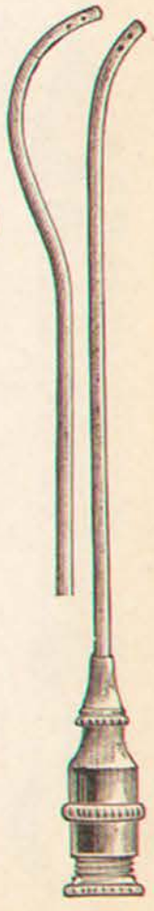

D-576

Urethral Applicators

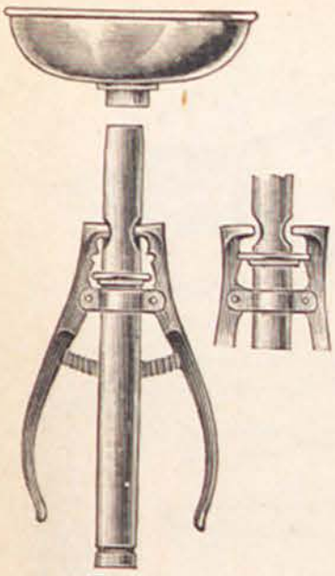
*D-555 **Ayer's,** tablet depositor.
D-560 **Guyon's** Catheters, drop tube.
*D-565 **Lewis',** tablet depositor.
*D-570 **Mitchell's,** for medicated bougies.
D-575 **Robbins',** ointment, with 1 straight and 1 curved tube.
D-576 **Robbins',** ointment, with short curve and prostatic tube.
D-580 **Rucker's,** gauze packer.
D-585 **Young's,** ointment.

Urethral Nozzles, Irrigator

D-600 **Berger's,** metal.
D-605 **Chetwood's,** glass, 3 sizes.
D-610 **Janet's,** glass.
*D-615 **Kieffer's,** glass.
D-616 **Kieffer's,** metal.
D-620 **Pancoast's,** improved.
*D-625 **Pattee's,** Y, metal.
D-630 **Pooles'** Perfection Stop-cock.
*D-635 **Young's.**

Urethral Compression Clamps, Penis

*D-650 **Smith's,** for holding solutions in urethra.
D-655 **Zepser's,** for holding solutions in urethra.



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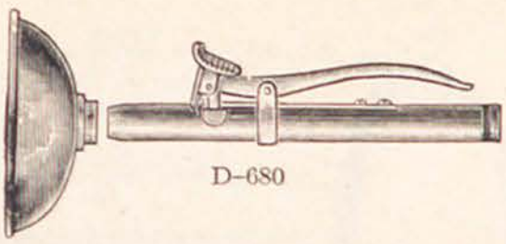

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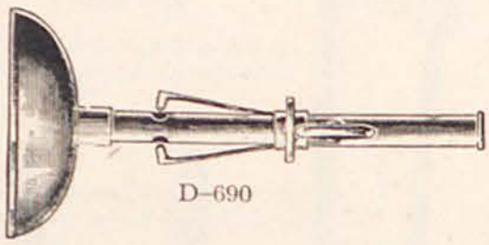

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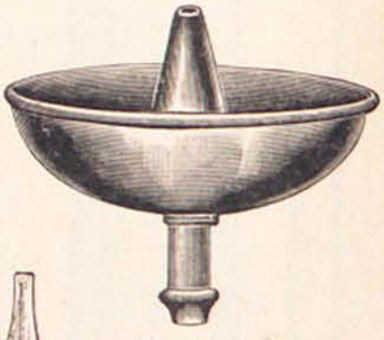
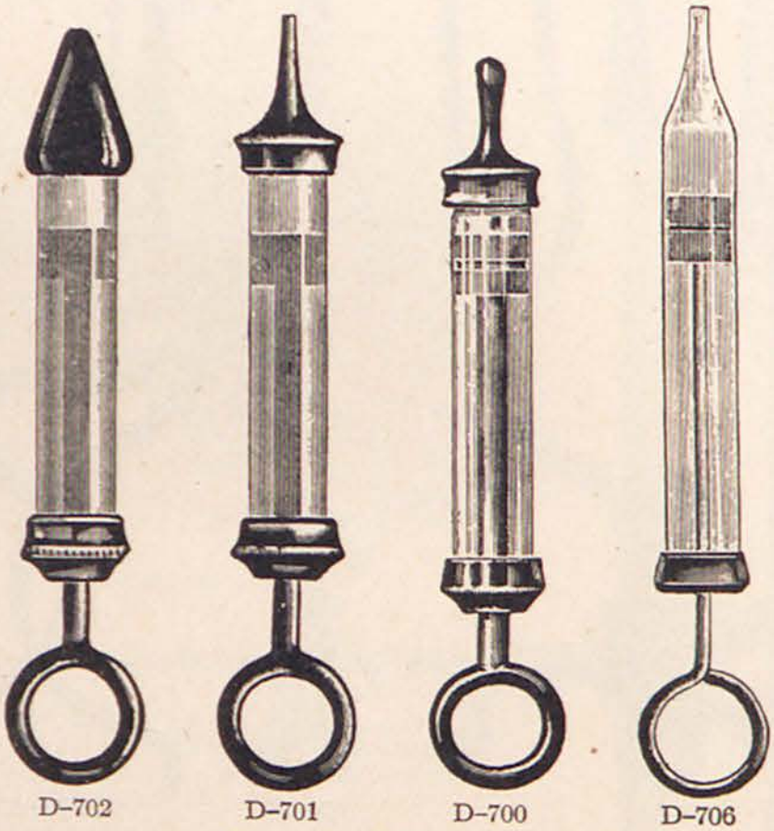
D–660



D–665-666



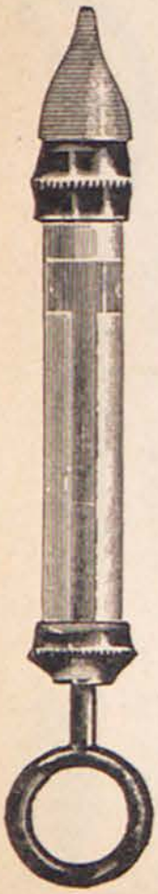
D–707



D–702 D–701 D–700 D–706



D–708



D–703-704



D–705

Urethral Nozzles

D–660 **Booger's,** glass, with shield, 2¼, 2½ and 2¾ inches.
D–665 **Wigmore's,** metal, with shield.
*D–666 **Wheeler's,** soft rubber, with shield.

Urethral Irrigator Cut-offs

*D–675 **Chetwood's,** alternating.
D–680 **Goldsmith's,** with shield.
D–685 **Kean's,** improved, with shield.
D–690 **Valentine's,** with shield.

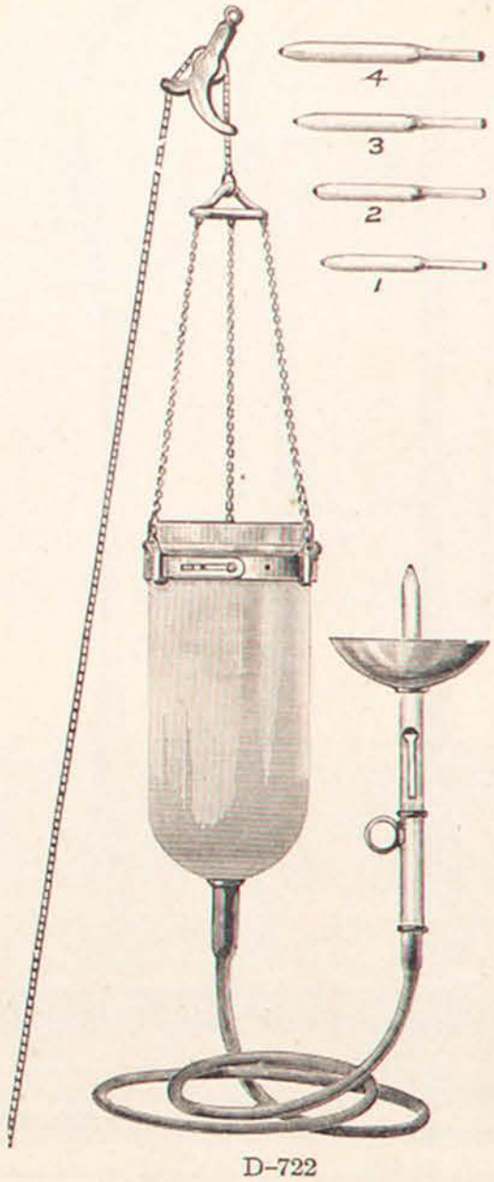
Urethral Syringes (see pages 26 to 29)

Injection Syringes

D–700 Urethral Injection Syringe, ¼ ounce, glass barrel, hard rubber mounted.
D–701 Urethral Injection Syringe, ¼ ounce, glass barrel, hard rubber mounted.
D–702 Urethral Injection Syringe, ¼ ounce, glass barrel, hard rubber mounted.
D–703 Urethral Injection Syringe, ½ ounce, glass barrel, hard rubber mounted and soft rubber tip.
D–704 Urethral Injection Syringe, 1 ounce, glass barrel, hard rubber mounted and soft rubber tip.
D–705 Urethral Injection Syringe, ¼ ounce, all hard rubber.
D–706 Urethral Injection Syringe, ¼ ounce, glass.
D–707 Urethral Tips, soft rubber.
D–708 Urethral Tip, soft rubber.



D–745



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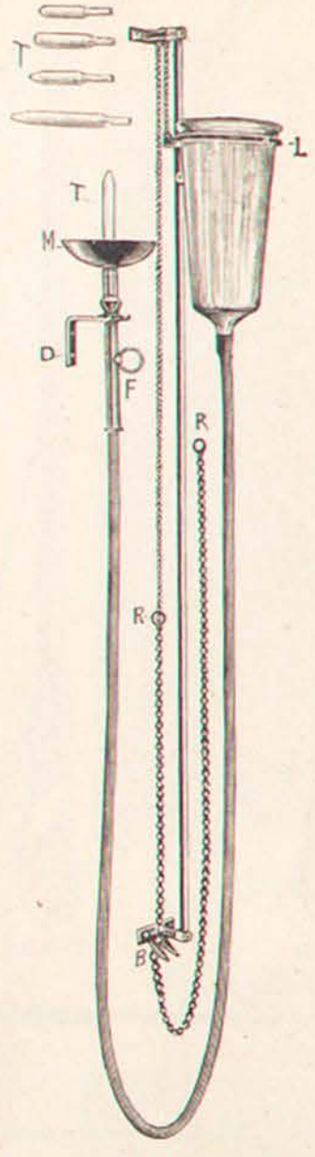
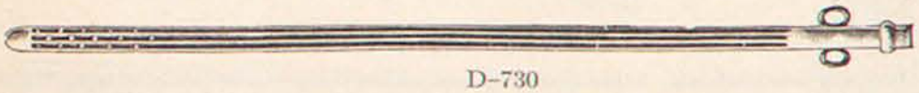


D–721



D–735



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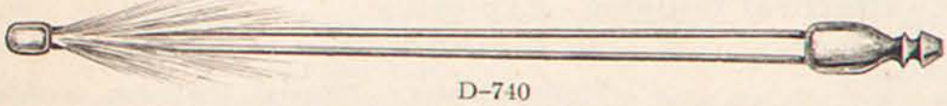

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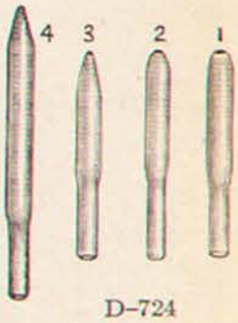


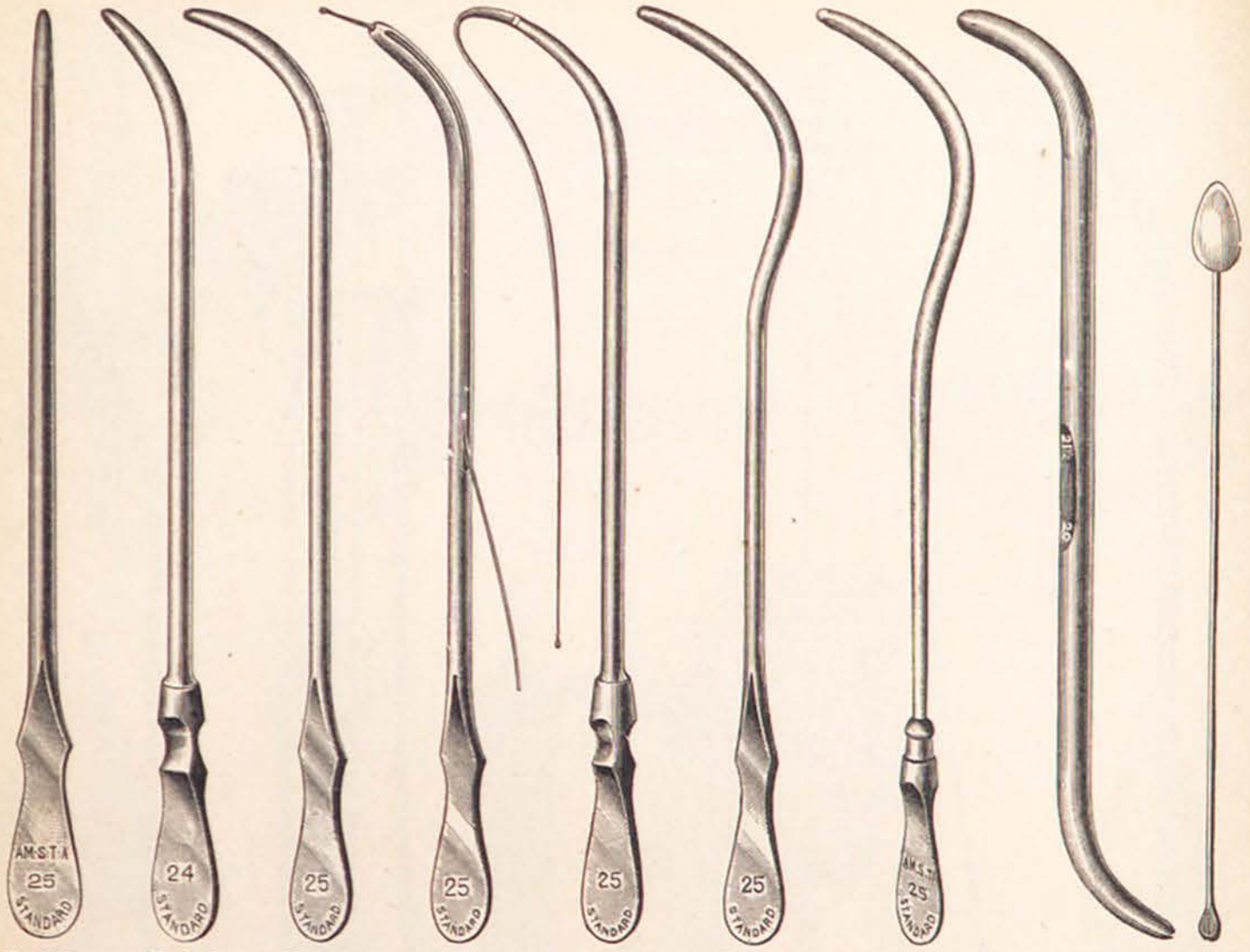
D–724

Urethral Irrigators

*D–720 **Valentine's,** with plain bracket.
D–721 **Valentine's,** with sliding metal bracket.
D–722 **Valentine's,** with automatic stop pulley.
*D–723 **Valentine's,** frame only for D–722.
D–724 **Valentine's,** glass tips, 4 styles, Nos. 1, 2, 3 and 4.

Urethral Retrojectors

D–730 **Anglin's,** straight.
*D–731 **Anglin's,** curved.
D–735 **Durham's.**
D–740 **Johnson's.**
D–745 **Pratt's,** with 3 sizes of olives.



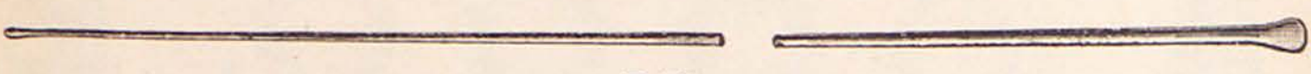
D–830 D–840 D–850 D–820 D–835 D–810 D–825 D–845 D–780



D–785



D–795



D–792



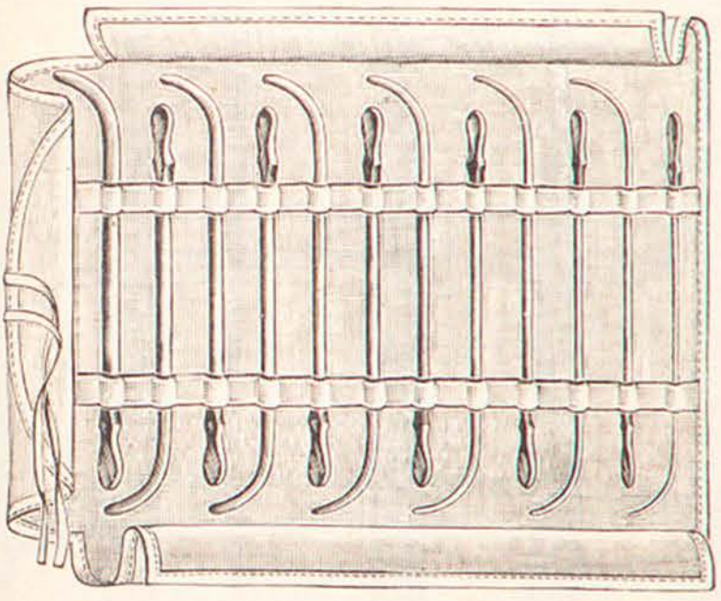
D–800

Urethral Bougies—Exploring

D–780 **Otis',** metal, sizes 8 to 40 French.
D–785 **Bang's,** filiform, whalebone.
*D–790 Filiform, with exploring bulb, silk web, sizes 3 to 12 French.
*D–791 Filiform, with exploring bulb, silk web, spiral, sizes 3 to 12 French.
D–792 Filiform, silk web, olive point.
*D–793 Filiform, silk web, spiral, olive point.
D–795 **Gouley's** Filiform, whalebone, straight, olive point.
*D–796 **Gouley's** Filiform, whalebone, straight, double end, olive point.
*D–797 **Gouley's** Filiform, whalebone, angular, olive point.
*D–798 **Gouley's** Filiform, whalebone, spiral, olive point.
D–800 **Le Fort's** Filiform, silk web, olive point, female thread.

Urethral Dilating Metal Sounds

D–810 **Benique's,** double curve, 14 to 30 French, one piece or two piece.
*D–815 **Fowler's,** double end.
D–820 **Gouley's,** tunnelled, for filiform bougie.
D–825 Ideal, tapering toward the handle, **Guyon** curve, 8 to 40 French, one piece or two piece.
*D–826 Ideal, tapering toward the handle, **Van Buren** curve, 8 to 40 French, one piece or two piece.
D–830 **Jewett's,** straight, 8 to 40 French, one piece or two piece.
D–835 **LeFort's,** exploring, with filiform guide, extra fine.
D–840 **Otis',** curved, 8 to 40 French, one piece or two piece.
D–845 **Pratt's,** double curved, 16 sizes, male.
*D–846 **Pratt's,** double curved, 16 sizes, female.
D–850 **Van Buren's,** curved, 8 to 40 French, one piece or two piece.
*D–851 **Van Buren's,** curved, cupped, one piece or two piece.



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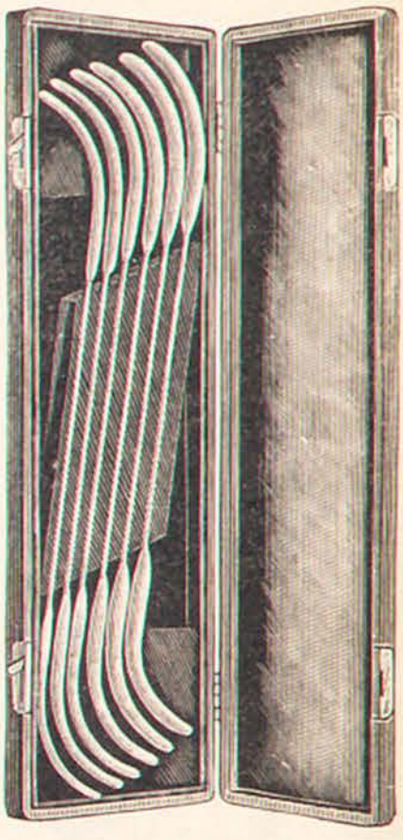

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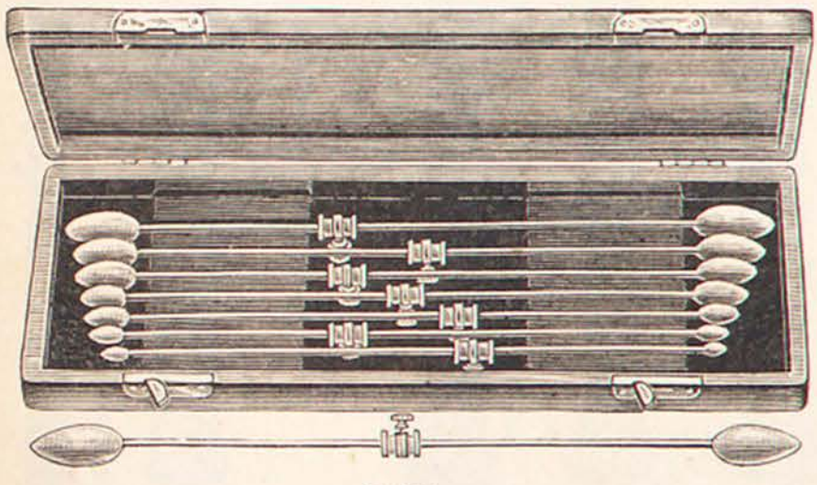
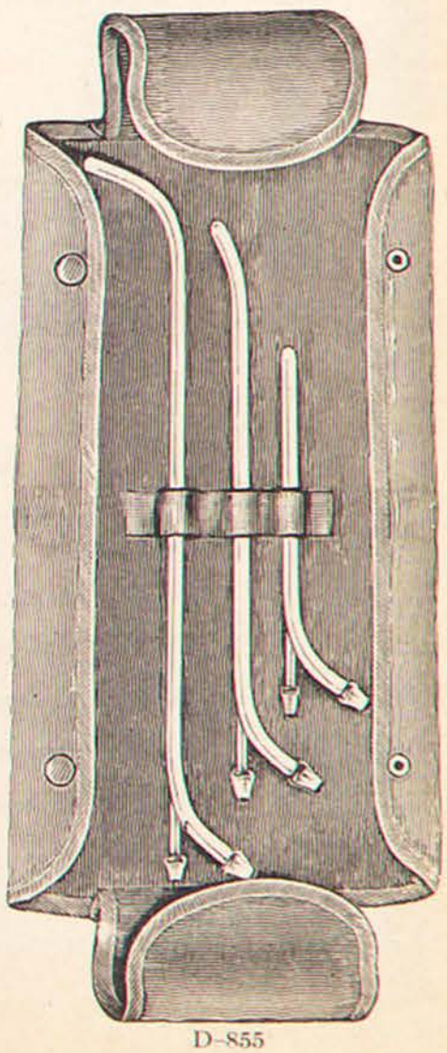


D-860

Urethral Sounds in Sets

D-855 **Brown's** Set of Heating Sounds, in khaki roll.
D-860 **Fowler-Otis',** set of 8 sounds (16 sizes), in leather covered case.
D-861 **Fowler's,** set of 6 sounds (12 sizes), in leather-covered case.
*D-865 **Kelly's,** set of 8 sounds (16 sizes, 5 to 20 mm. diameter), female, in heavy canvas roll.
*D-870 **LeFort-Hume's,** set of 3 sounds, 1 catheter and 2 **LeFort's** filiform guides, in case.
*D-875 **LeFort's,** set of 3 dilating sounds, Nos. 12, 17 and 22, French scale, with 2 filiform guides, in case.
*D-880 **Otis',** set of 32 sounds, exploring, in heavy canvas roll.
*D-885 **Van Buren's,** set of 6 sounds, in leather-covered or oak case.
*D-886 **Van Buren's,** set of 6 sounds, in heavy canvas roll.
*D-887 **Van Buren's,** set of 8 sounds, one piece, in leather-covered or oak case.
*D-888 **Van Buren's,** set of 8 sounds, one piece, in heavy canvas roll.
*D-889 **Van Buren's,** set of 12 sounds, in leather-covered or oak case.
D-890 **Van Buren's,** set of 12 sounds, in heavy canvas roll.
*D-891 **Van Buren's,** set of 32 sounds, in leather-covered or oak case.
*D-892 **Van Buren's,** set of 32 sounds, in heavy canvas roll.
*D-895 **Weiss',** set of 6 sounds (12 sizes), in leather-covered case.



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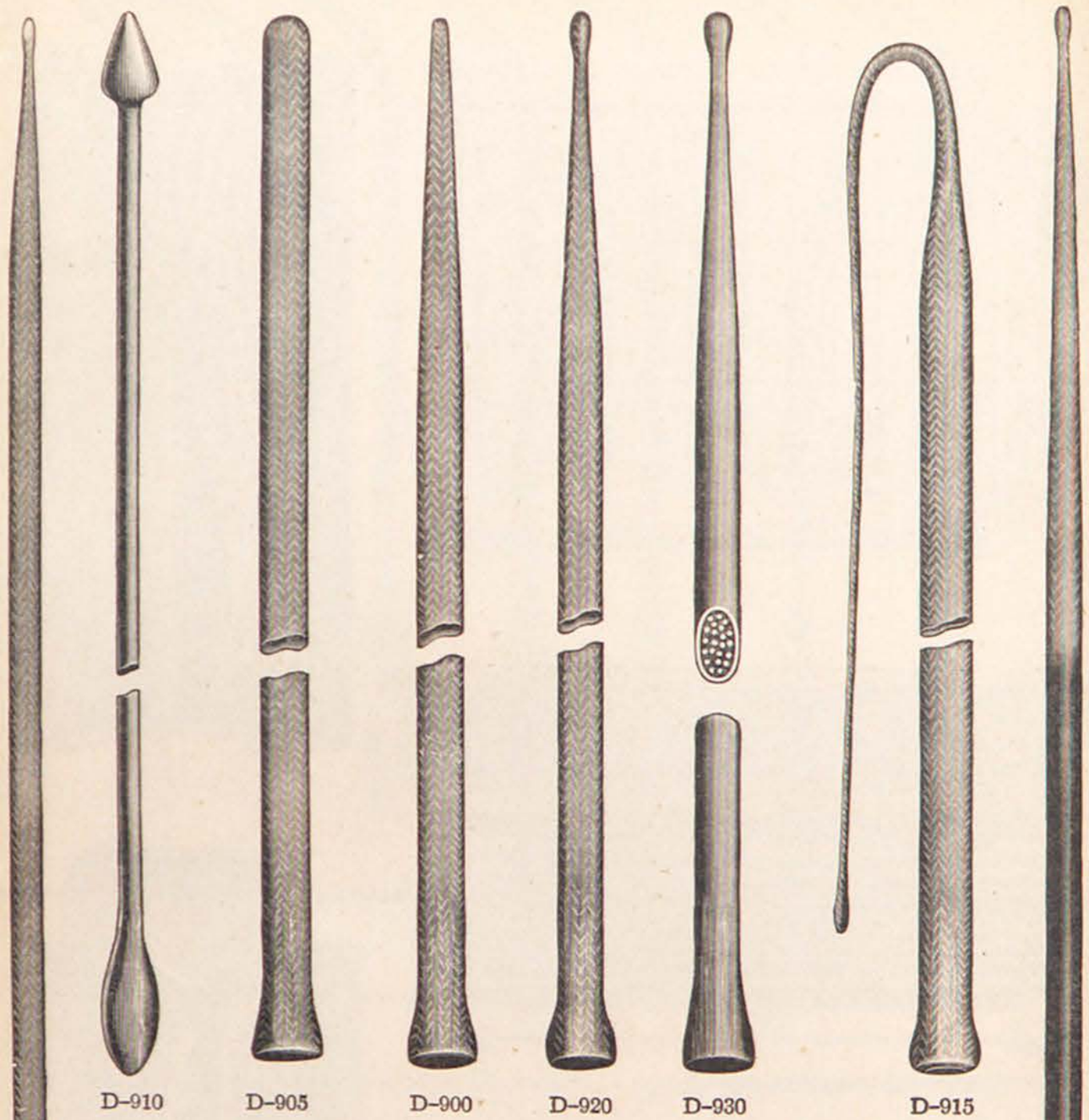


D-910 D-905 D-900 D-920 D-930 D-915

D-920

D-925

Urethral Instruments

French Gum Elastic Bougies

D–900 Conical, sizes 8 to 30 French.

D–905 Cylindrical, sizes 8 to 30 French.

D–910 **Guyon's,** exploring, sizes 8 to 30 French.

D–915 **Harrison's,** whip end, sizes 8 to 30 French.

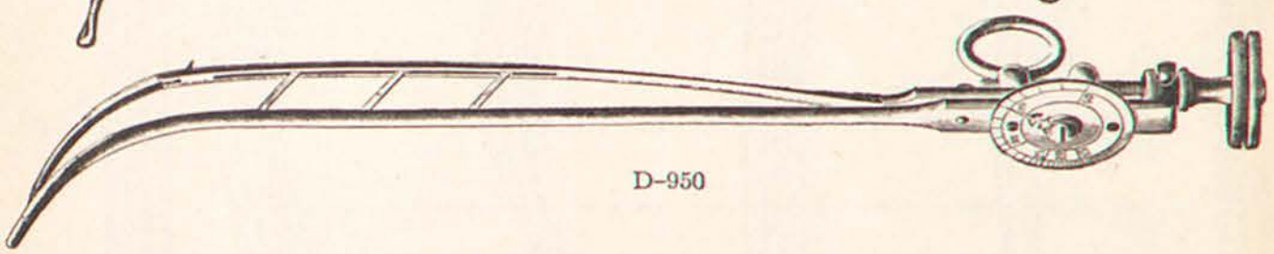
D–920 Olivary, sizes 8 to 30 French.

D–925 Olivary, rigid shank and flexible end, sizes 8 to 30 French.

D–930 Olivary, shotted, sizes 8 to 30 French.



D-940



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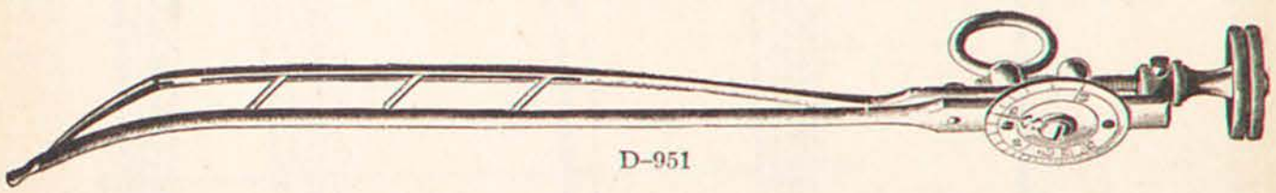

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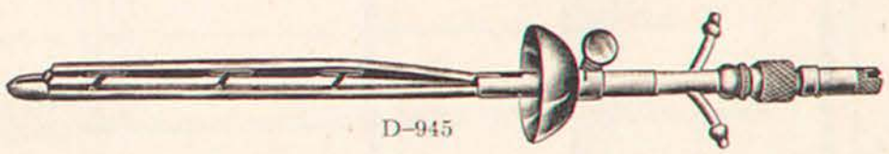

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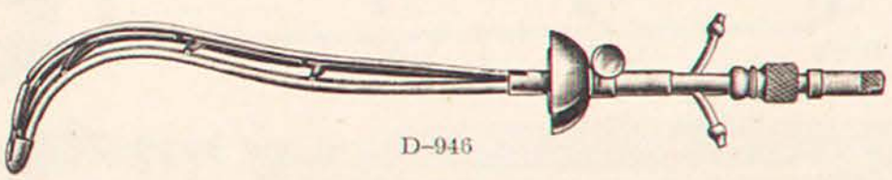

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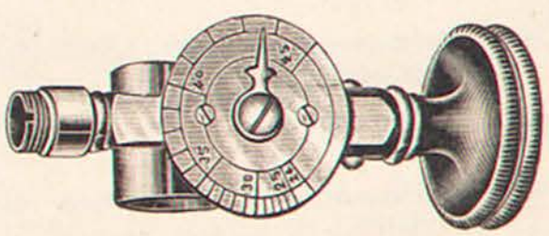

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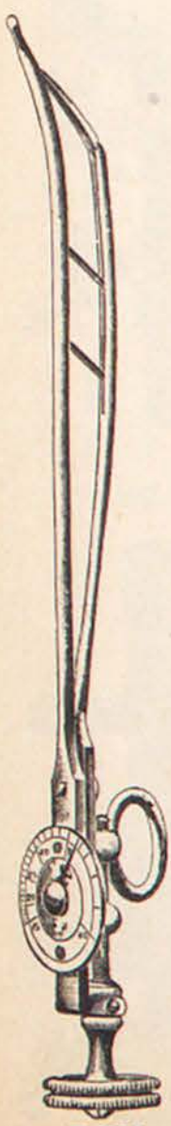


D-952

Urethral Dilators

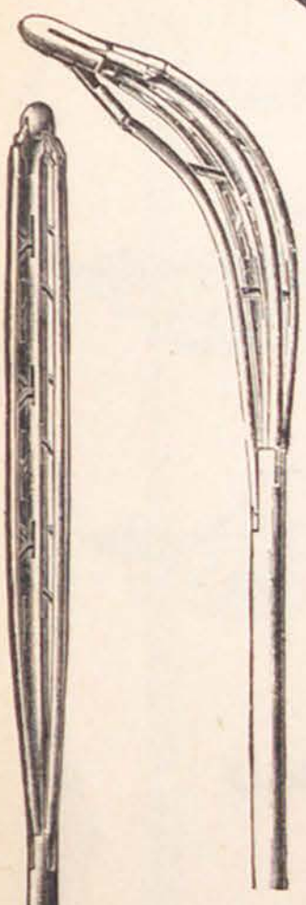
D-940 **Gouley's.**
D-945 **Morton's (Henry H.)**, latest modification of Kollmann's irrigating dilator, straight stem only.
D-946 **Morton's (Henry H.)**, same as above, Guyon's curve stem only.
D-947 **Morton's (Henry H.)** handle only to fit above stems. **Dr. Henry H. Morton's** simplified **Kollmann** irrigating dilator is the latest and most valuable improvement in irrigating dilators of the Kollman type. Made for Dr. Morton and under his direction by **L. Steiner Manufacturing Co., New York.** Descriptive circular sent on request.
D-950 **Oberlaender's, Van Buren** curve.
D-951 **Oberlaender's,** long, slight curve.
D-952 **Oberlaender's,** short, slight curve.
*D-955 **Thompson's.**

Urethrameter

D-960 **Otis',** with hinged head.



D-960



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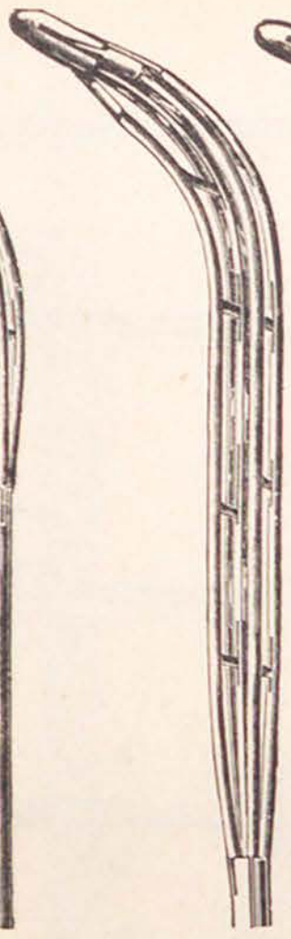

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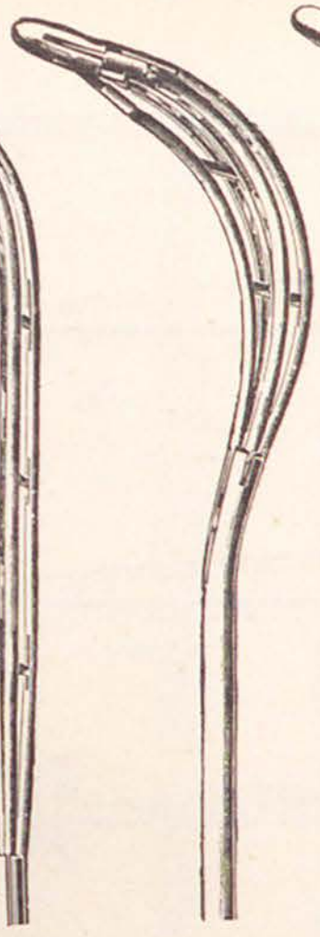

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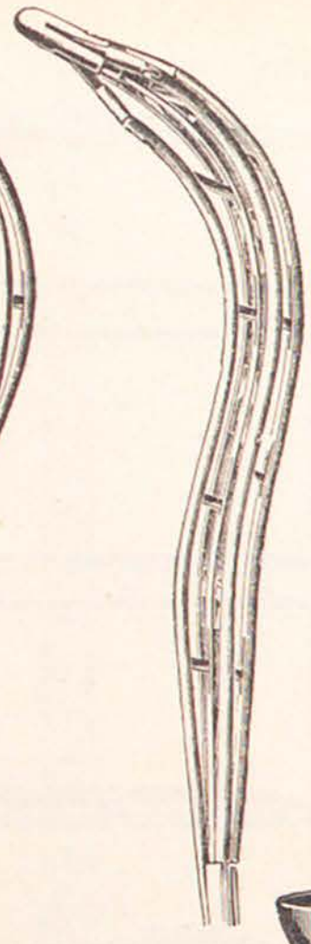

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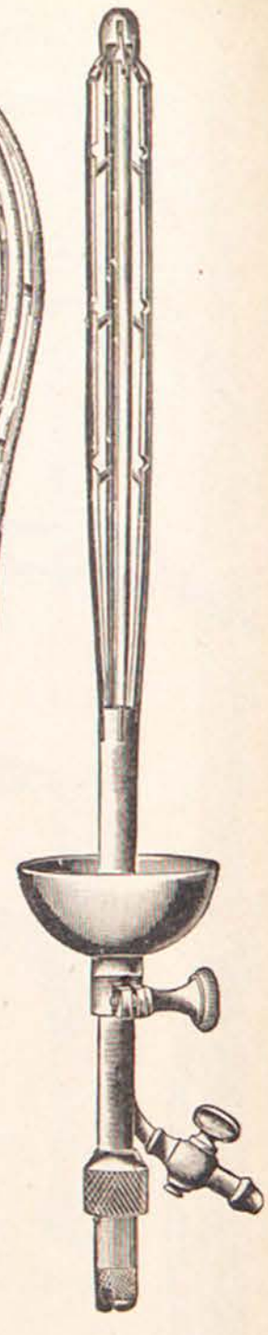
D-975



D-976

Urethral Dilators

*D-970 **Kollmann's,** straight, short dilating blades.

D-971 **Kollmann's,** straight, long dilating blades.

D-972 **Kollmann's,** curved, short dilating blades.

D-973 **Kollmann's,** curved, long dilating blades.

D-974 **Kollmann's,** Guyon curve, short dilating blades.

D-975 **Kollmann's,** Guyon curve, long dilating blades.

D-976 **Kollmann's,** irrigating straight, long dilating blades.

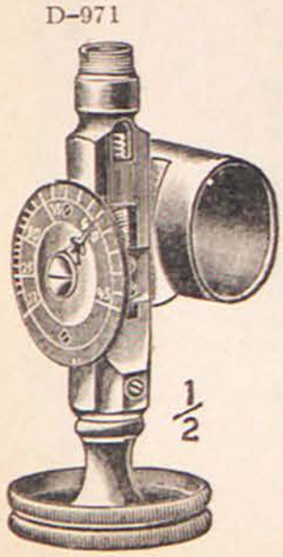
*D-977 **Kollmann's,** irrigating, curved, long dilating blades.

*D-978 **Kollmann's,** irrigating, Guyon curve, long dilating blades.

D-979 **Kollmann's** Universal Handle to fit the above.

D-980 **Gentil-Kollmann's** Universal Handle to fit the above.

*D-981 **Kollmann's** Covers, rubber, for Kollmann old style dilators.



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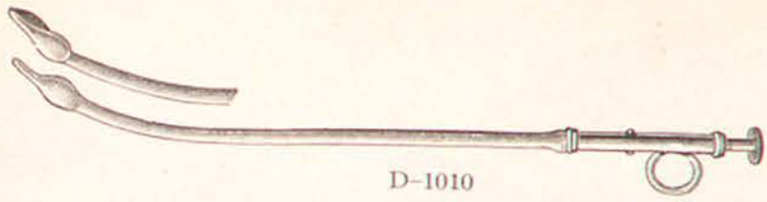
D-980



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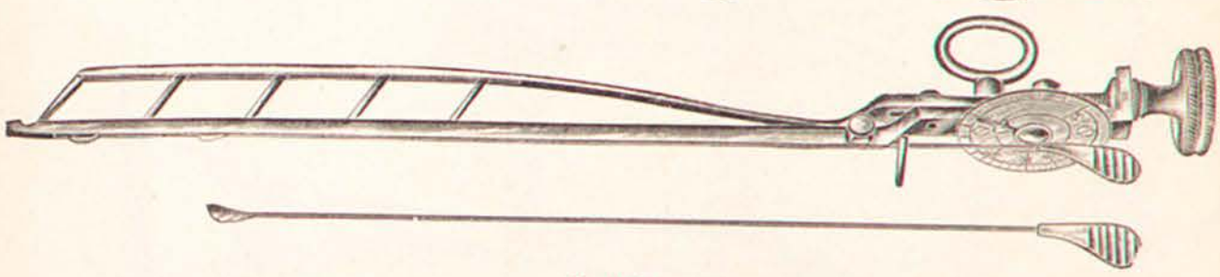

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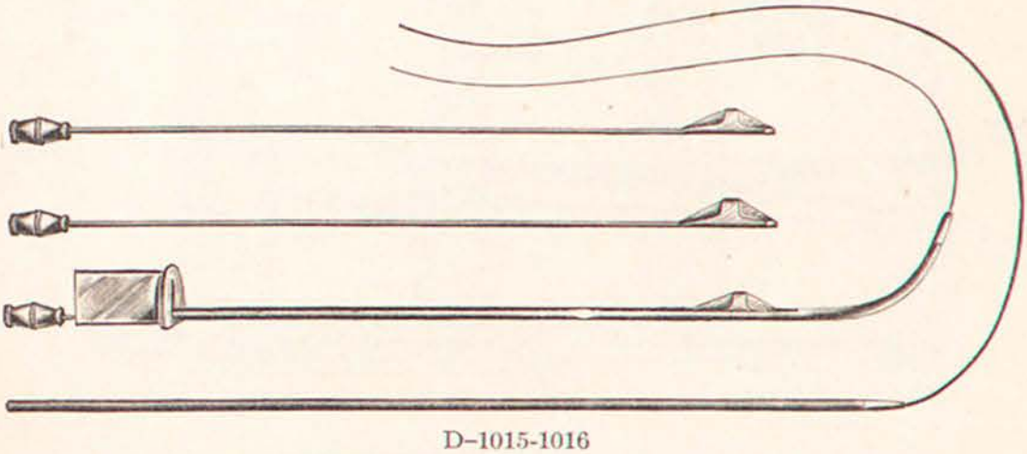
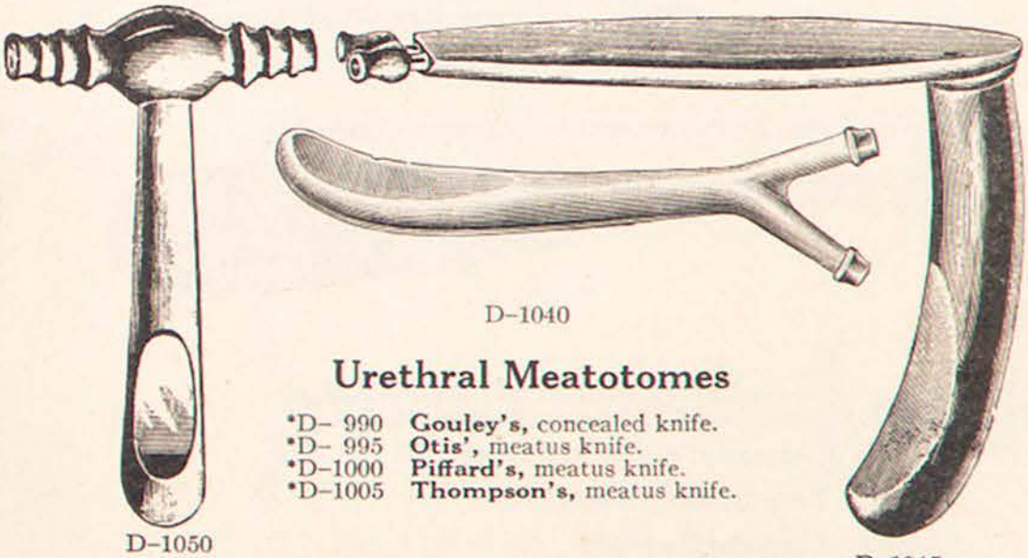


D–1015-1016



D–1040

Urethral Meatotomes

*D– 990 **Gouley's,** concealed knife.
*D– 995 **Otis',** meatus knife.
*D–1000 **Piffard's,** meatus knife.
*D–1005 **Thompson's,** meatus knife.

D–1050

D–1045

Urethratomes

D–1010 **Gross',** straight or curved, blade cutting forward.
*D–1011 **Gross',** exploratory, blade cutting backward.
*C–1015 **Maisoneuve's,** with **Cunningham** safety finger guard, with 2 blades, in case.
D–1016 **Maisoneuve-Cunningham's,** with 3 blades, in case.
D–1020 **Otis',** straight or curved, with 2 blades, in case.
D–1021 **Otis',** improved, straight or curved, with blade in exploring shield which finds stricture without measuring, with 2 blades, in case.
D–1022 **Otis-Wyeth's,** straight or curved, with 2 blades, in case.

Prostatic and Rectal Coolers

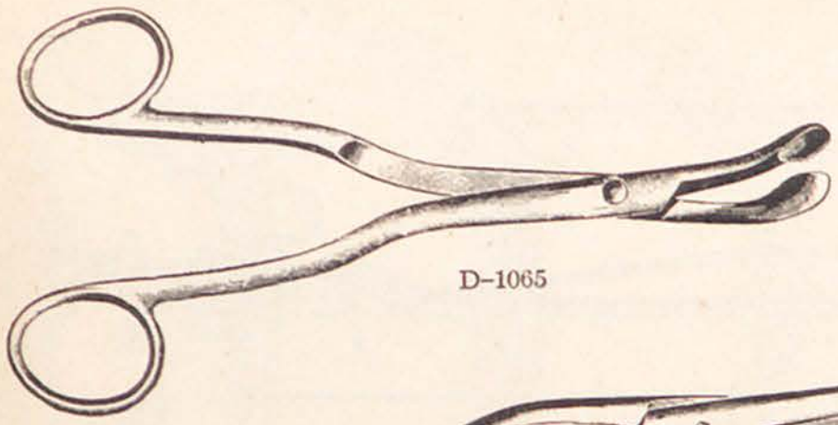
*D–1030 **Adams'.**
*D–1035 **Blanchard's.**
D–1040 **Eissner's.**
D–1045 **Van der Poel's.**
D–1050 **Wiener's.**



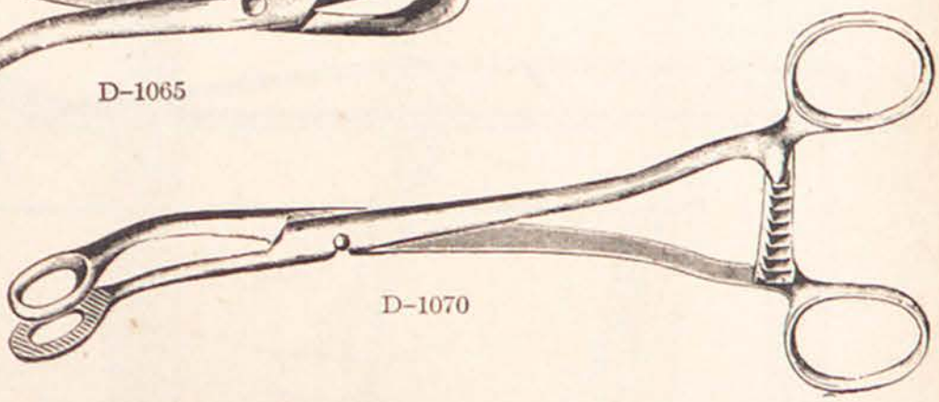
D–1020



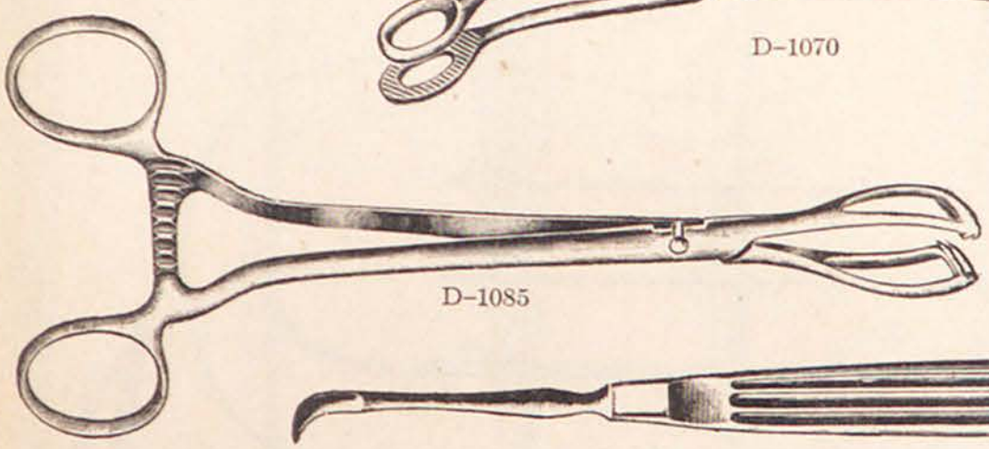
D–1022



D–1065



D–1070

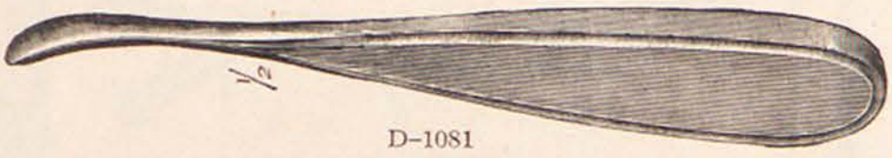


D–1085

D–1075



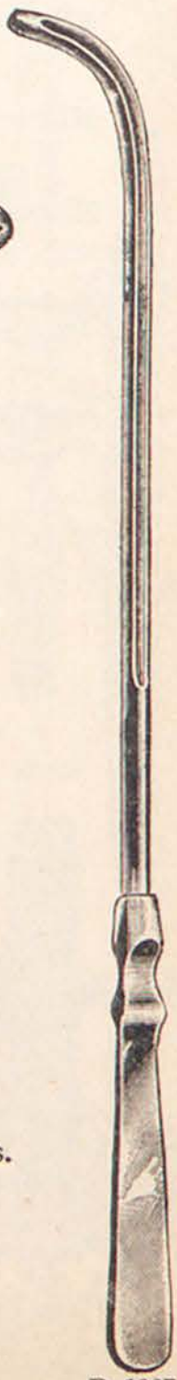
D–1082-1083



D–1081



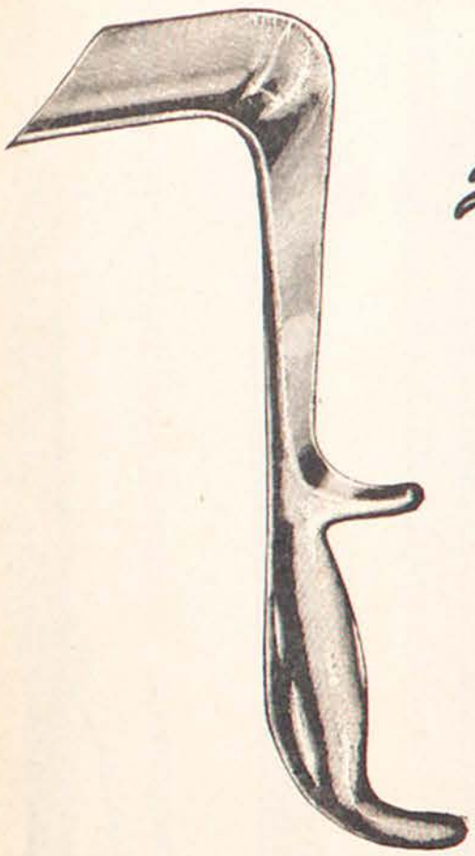
D–1080



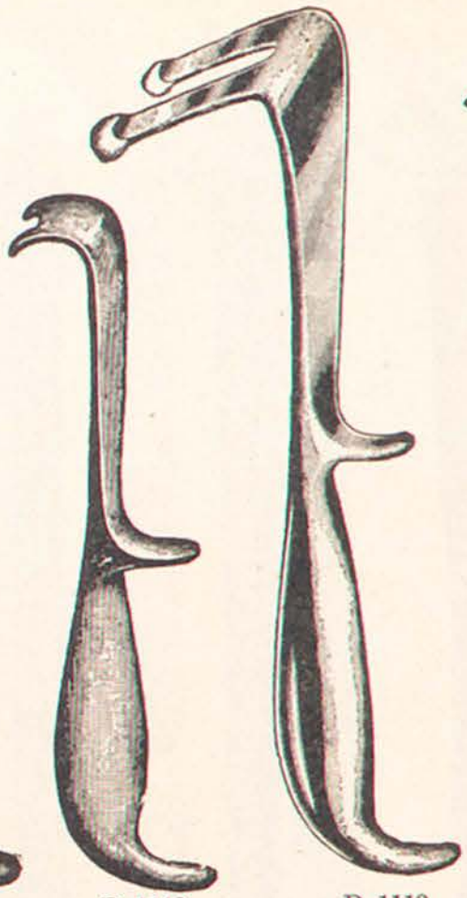
D–1067

Prostatic Instruments

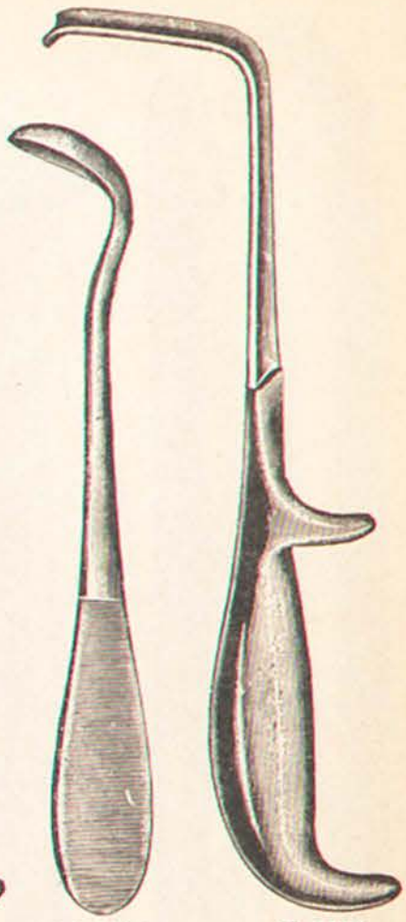
D–1065 **Ferguson's** Cutting Forceps.
*D–1066 **Ferguson's** Depressor.
D–1067 **Ferguson's** Staff.
*D–1068 **Ferguson's** Silver Drainage Tube.
D–1070 **Guiteras'** Tearing Forceps.
D–1075 **Mayo-Allen's** Knife.
*D–1076 **Mayo's** Drainage Tube, double, soft rubber.
D–1080 **Young's** Drainage Tube, double, soft rubber, 5 sizes.
D–1081 **Young's** Enucleator.
D–1082 **Young's** Dissector, blunt.
D–1083 **Young's** Dissector, sharp.
*D–1084 **Young's** Grooved Staff.
D–1085 **Young's** Lobe Forceps, small and large.



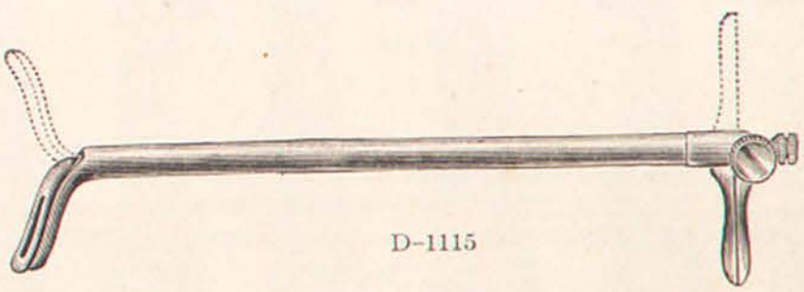
D–1111



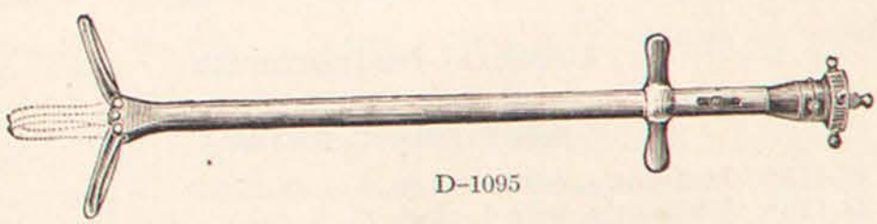
D–1112 D–1113



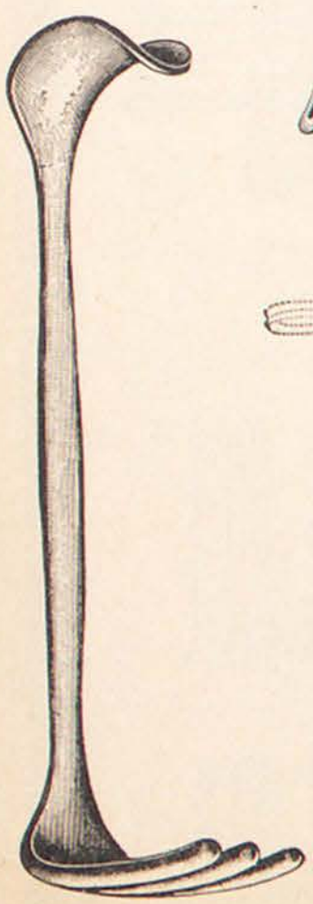
D–1114 D–1110



D–1115



D–1095



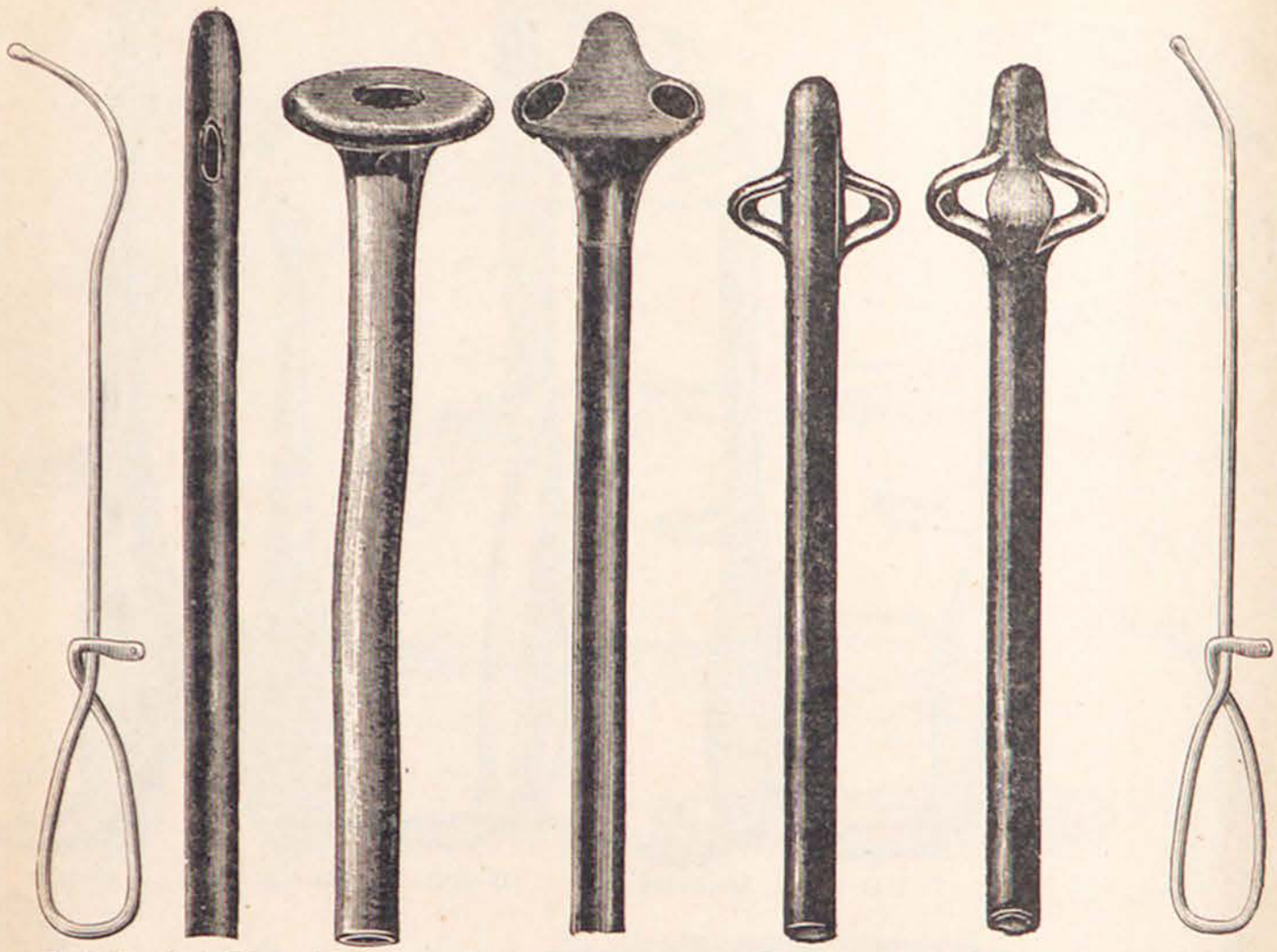
D–1090



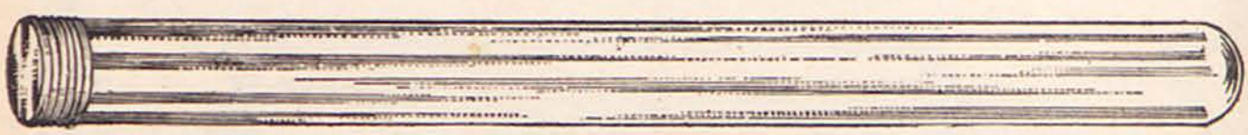
D–1105

Prostatic Instruments

D–1090 **Guiteras'** Retractor, double, steel.
D–1095 **Markley's** Tractor.
*D–1100 **Parker-Syms** Tractor, soft rubber with metal stylet.
D–1105 **Swinburne's** Masseur.
D–1110 **Young's** Retractor, small, blade ½-inch wide.
D–1111 **Young's** Retractor, large, blade 1¾-inches wide.
D–1112 **Young's** Retractor, bifid, small.
D–1113 **Young's** Retractor, bifurcated, large.
D–1114 **Young's** Retractor, spoon shape.
D–1115 **Young's** Tractor.



D-1151 D-1135 D-1141 D-1140 D-1130 D-1131 D-1150



D-1155

Urethral Instruments

Soft Rubber Catheters

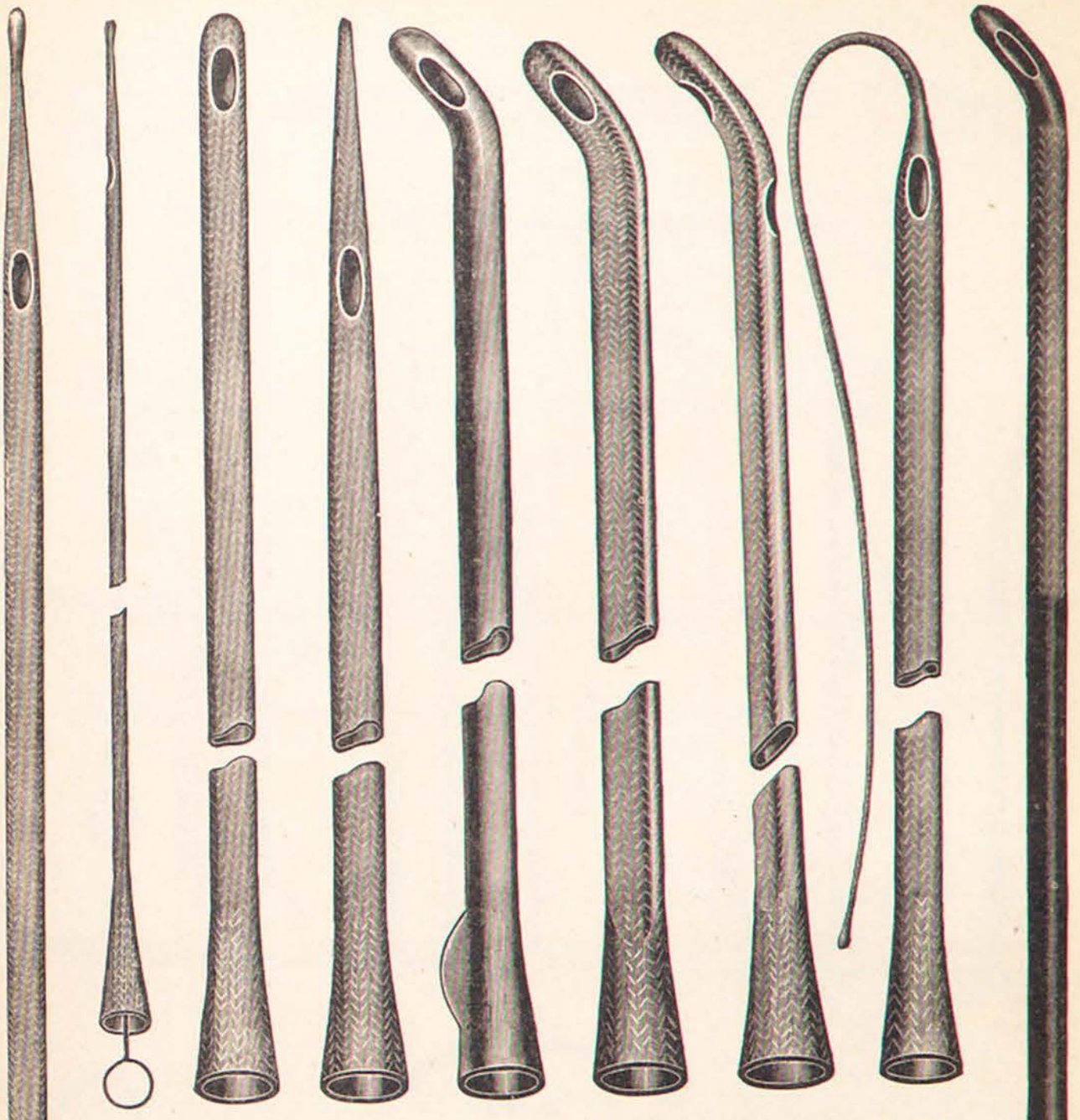
D-1130 **Malecot's,** with 2 wings.
D-1131 **Malecot's,** with 4 wings.
D-1135 **Nelaton's,** with funnel end.
D-1140 **Pezzer's,** with raised top.
D-1141 **Pezzer's,** with mushroom top.

Web Catheters

*D-1145 English, ordinary brown web, with stylet, sizes 1 to 12.

Catheter Sundries

D-1150 Catheter Guide, **Benique's.**
D-1151 Catheter Guide, **Guyon's.**
*D-1152 Catheter Guide, **Otis',** spiral.
D-1155 Catheter Holder, glass, with screw cap.
*D-1156 Catheter Holder, glass, with screw caps at both ends.



D–1187 D–1171 D–1186 D–1170 D–1174 D–1188 D–1185 D–1190 D–1179

D–1177
D–1189

D–1175

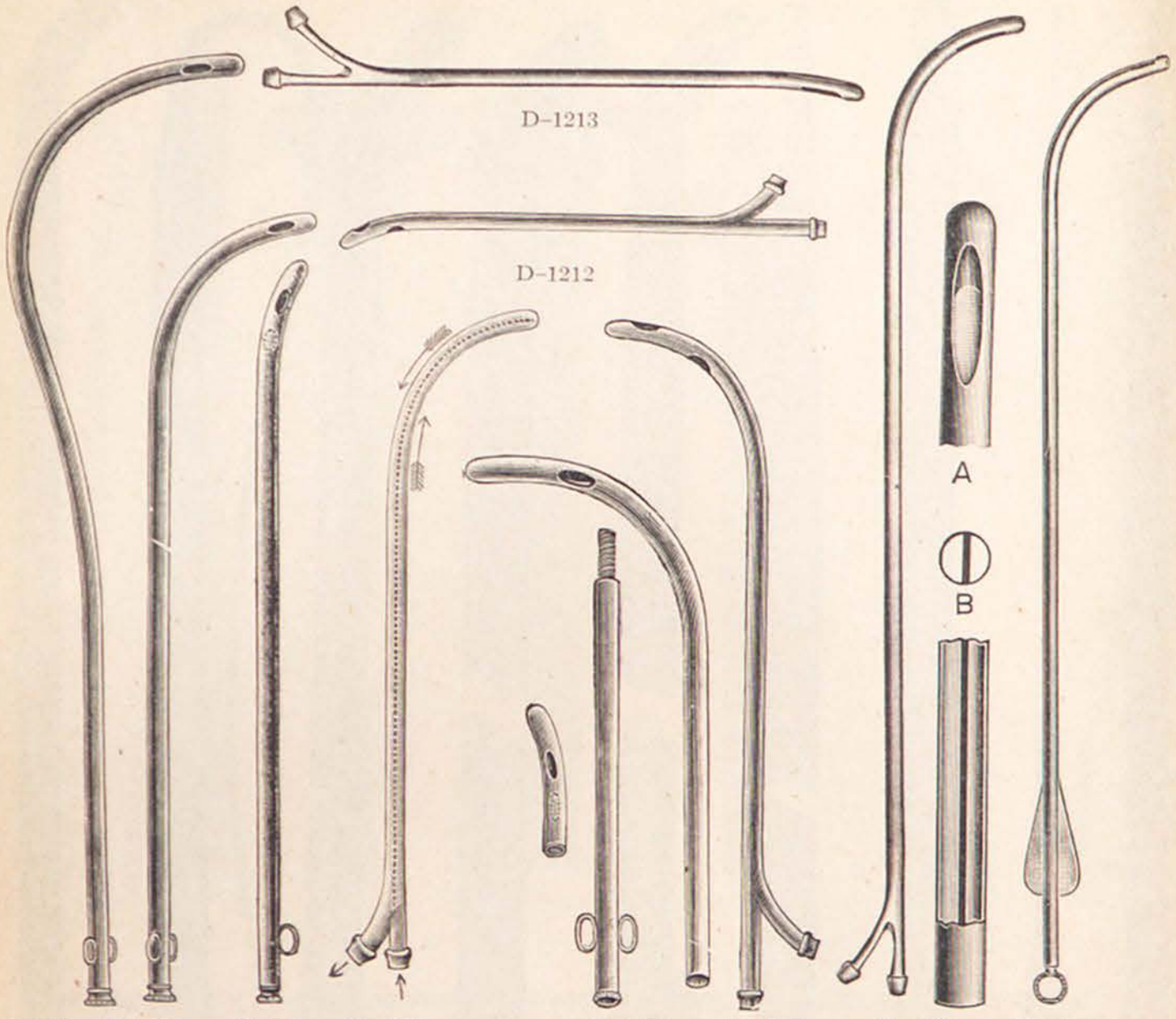
Urethral Instruments

French Gum Elastic Web Catheters

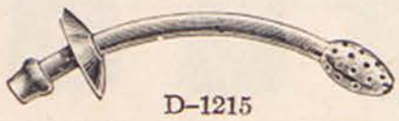
D–1170 Conical, sizes 8 to 30, French.
D–1171 Cylindrical, sizes 8 to 30, French.
*D–1172 Cylindrical, double channel.
*D–1173 Cylindrical, hole in end, no eye.
D–1174 **Mercier's,** coude, with finger guide, sizes 8 to 30, French.
D–1175 **Mercier's,** coude, rigid shank and flexible end, sizes 8 to 30, French.
*D–1176 **Mercier's,** bi-coude, sizes 8 to 30, French.
D–1177 Olivary, sizes 8 to 30, French.
*D–1178 Olivary, rigid shank and flexible end, sizes 8 to 30, French.
D–1179 **Phillip's,** whip end, sizes 8 to 30, French.
*D–1180 **Wishard's,** whip end, with gradual taper toward whip end.

French Silk Gum Elastic Web Catheters

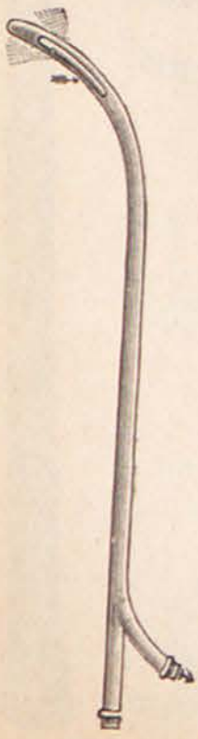
D–1185 **Bartrina's,** coude, flattened laterally, oval bore, sizes 10 to 25, French.
D–1186 Cylindrical, sizes 8 to 30, French.
D–1187 Exploring, filiform, sizes 3 to 7, French.
D–1188 **Mercier's,** coude, sizes 8 to 30, French.
D–1189 Olivary, sizes 8 to 30, French.
D–1190 **Wishard's,** coude, flattened antero-posteriorly, oval bore, sizes 10 to 22, French.



D-1205–1207 D-1235–1241 D-1211 D-1240 D-1200 D-1243 D-1242 D-1220



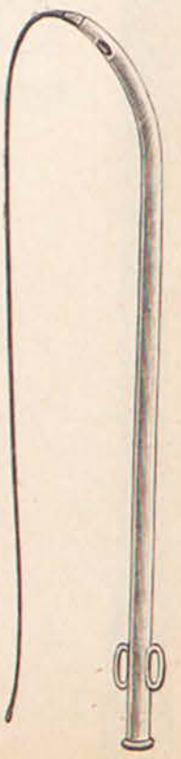
D-1215



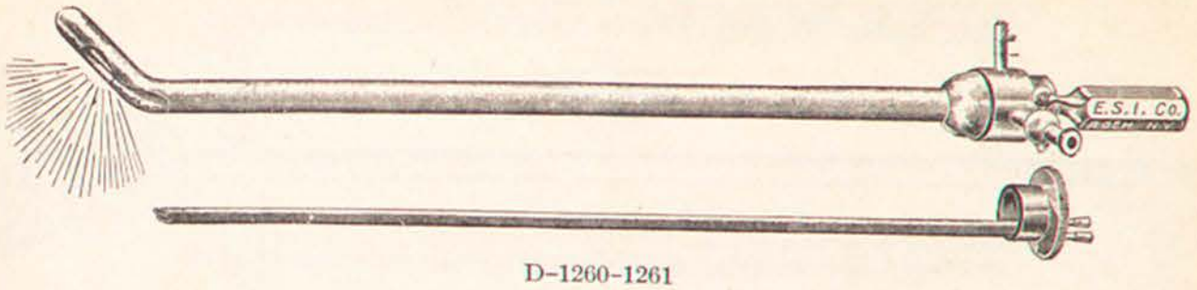
D-1244

Urethral Catheters, Metal, Male and Female

D-1200 Combined, male and female, plated and silver.
*D-1201 Combined, **Parker's,** male and female, with caustic holder, plated and silver.
D-1205 **Coxeter's,** prostatic, plated.
D-1206 **Coxeter's,** prostatic, sterling silver.
D-1207 **Coxeter's,** prostatic, virgin silver, flexible.
*D-1210 Female, glass.
D-1211 Female, plated and silver, oval hole or small perforations.
D-1212 Female, double current, small oval holes, plated and silver.
D-1213 Female, double current, perfection, with eye and middle wall like Figs. A and B, plated.
D-1214 Female, double current, **Nott's,** with long lateral openings, like D-1244, plated and silver.
D-1215 Female, self-retaining, **Skene-Goodman's,** plated and silver.
D-1220 **Gouley's,** tunneled, sizes from 8 French upward, plated and silver.
*D-1225 **Gross',** spiral, plated.
D-1230 **LeFort's,** with web elastic filiform.
D-1235 Male, plated, regular, sizes 1 to 18 English scale.
D-1240 Male, sterling silver, medium and large sizes.
D-1241 Male, virgin silver, flexible, medium and large sizes.
D-1242 Male, double current, perfection, with eye and middle wall, like Figs. A and B, plated.
D-1243 Male, double current, small oval holes, plated and silver.
D-1244 Male, double current, **Nott's,** with long lateral openings.
D-1250 **Winternitz's,** cooler (Psychrophor), plated and silver.



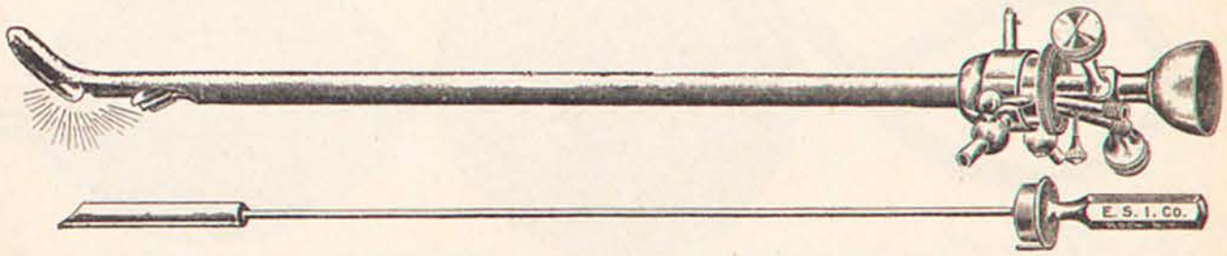
D-1230



D–1260–1261



D–1262



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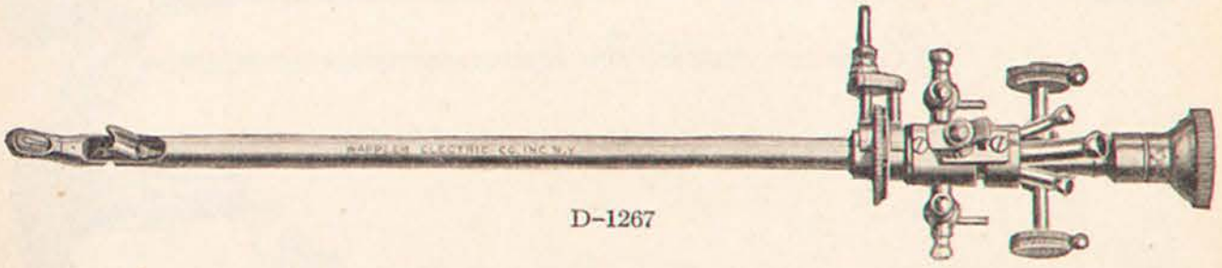


D–1267

Cystoscopes

D–1260 **Braasch,** Direct Catheterization, with double catheter guide, ocular window and extra lamp. This instrument is also furnished for female use, 14 cm. long, 28 French.

D–1261 **Braasch,** Direct Catheterization, complete as above with 2 silk catheters and dilating bulb.

D–1262 **Braasch,** large single catheter guide only.

*D–1263 Leather-covered case for above cystoscope.

D–1264 **Braasch** Indirect Double Catheterization, with **correct image new lens system showing brilliantly lighted, large field.** With extra lamp.

*D–1265 Braasch's, direct, **child's,** 11 cm. long, 16 French, with single catheter guide, ocular window and extra lamp.

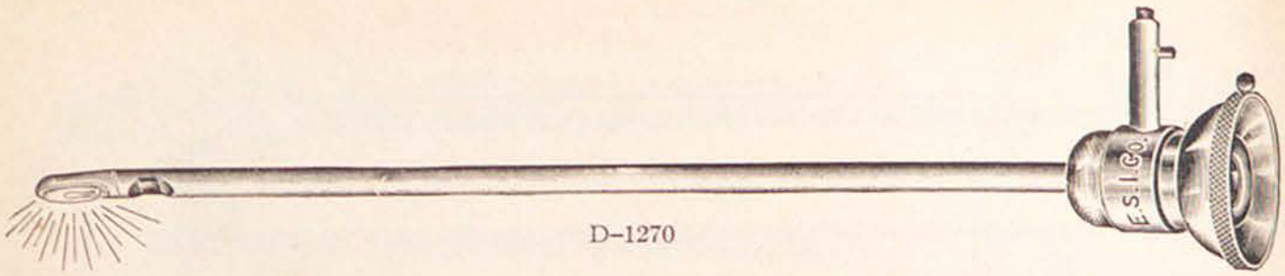
*D–1266 Extra lamps for **Braasch** cystoscopes, E. S. I. Co. No. 11

Braasch Cystoscopes are made exclusively by the Electro Surgical Instrument Co., Rochester, N. Y.

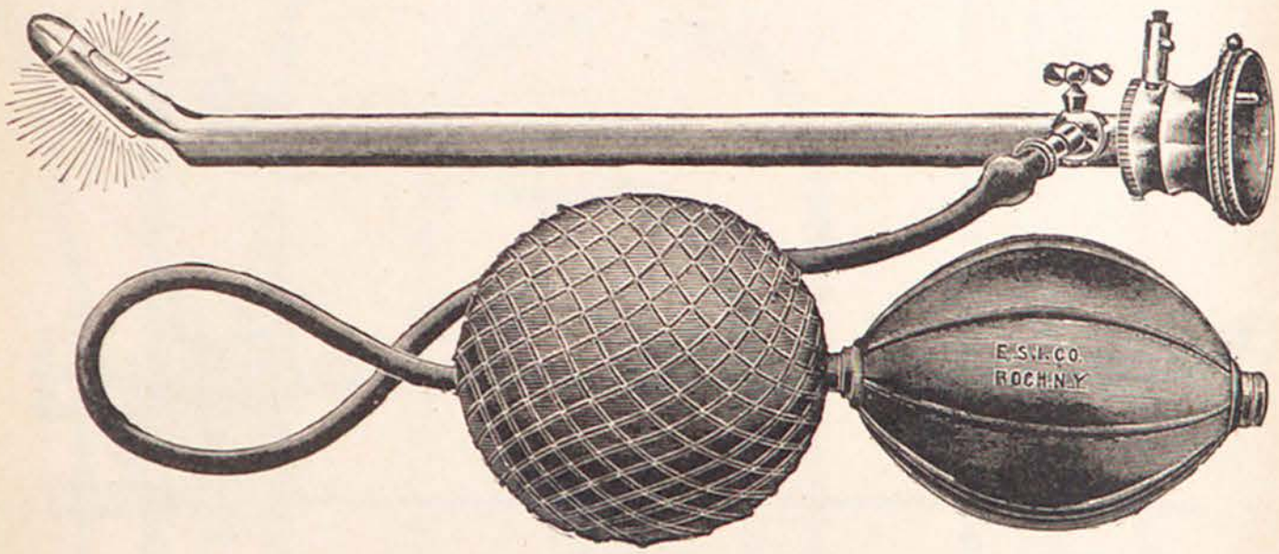
D–1267 **Brown-Buerger,** convertible, examining, catheterizing and operating cystoscope complete with both concave and convex sheaths, obturator, combined catheterizing and operating telescope, removable fin, examining telescope, 2 extra lamps for each sheath. Accessories: 4 plain and 4 perforated small rubber tips, cleaning rod, catheter clip, stop cock, conducting cord, etc., in case.

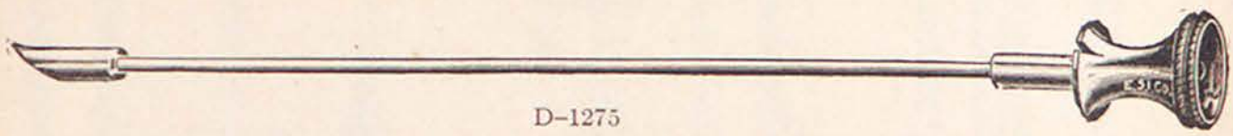
*D–1268 Extra lamps for above.

Complete catalogue of Electro Surgical Instrument Co., and Wappler makes of Cystoscopes sent on request



D–1270





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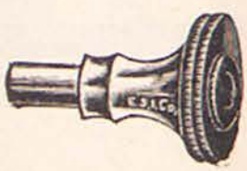
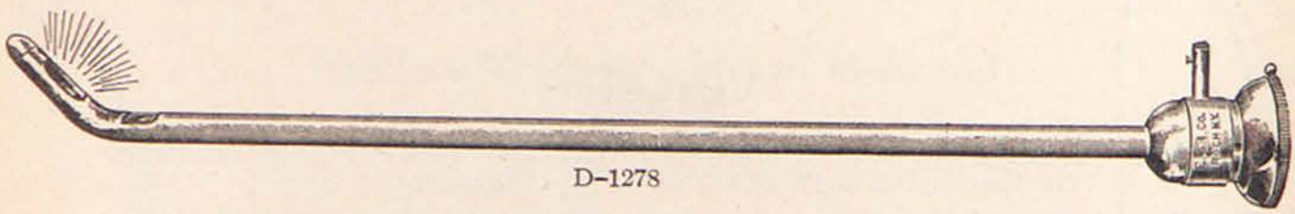




D–1278

Cystoscopes

D–1270 **E. S. I. Co.,** child's or infant's, diagnostic, correct image lens system, complete in metal case, with extra lamp and conducting cords with make-and-break attachment.

*D–1271 Extra beaks with lamps for above.

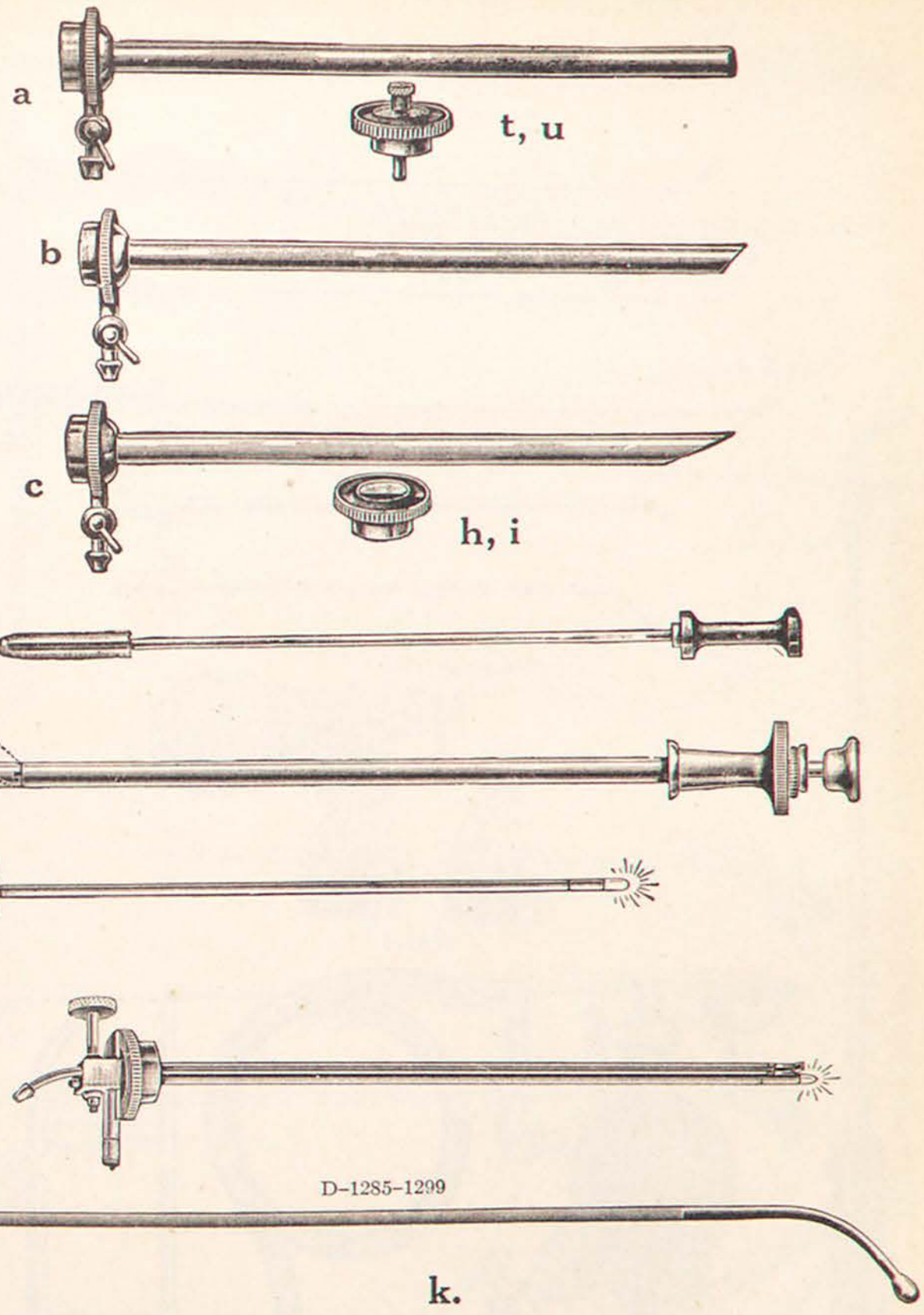
D–1275 **E. S. I. Co.,** diagnostic, male, 20 cm. long, No. 20 French, with extra lamp, obturator and window.

*D–1276 **E. S. I. Co.,** diagnostic, female, 10 cm. long, No. 28 French, with extra lamp, obturator and window.

D–1277 Dilating bulb for the above, extra.

D–1278 **E. S. I. Co., Nitze's,** diagnostic, 18 French, complete with extra lamp.

Complete catalogue of Electro Surgical Instrument Co., and Wappler makes of Cystoscopes sent on request.



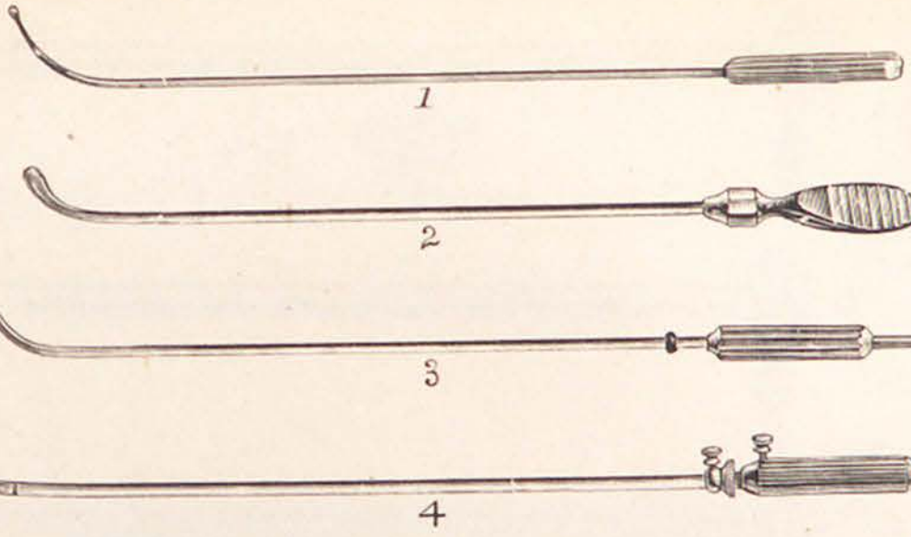
D–1285–1299

k.

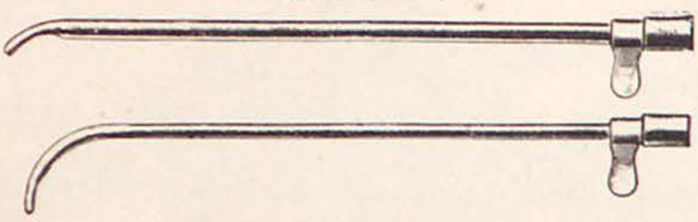
Cystoscopes

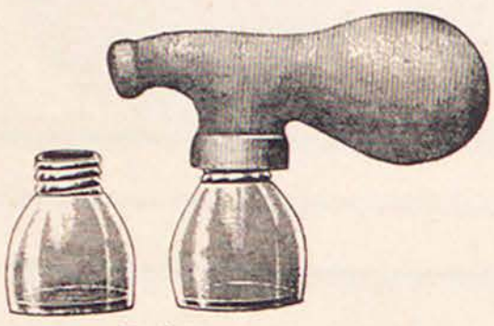
D–1285 **Greenberg's,** Fig. **a,** endoscopic tube, 24 French, with ground ocular or lens, straight end.
D–1287 **Greenberg's,** Fig. **b,** same as Fig. **a,** end opened on 45-degree angle.
D–1288 **Greenberg's,** Fig. **c,** same as Fig. **b,** end opened on 30-degree angle.
D–1289 **Greenberg's,** Fig. **d,** straight obturator.
D–1290 **Greenberg's,** Fig. **e,** posterior obturator.
D–1291 **Greenberg's,** Fig. **f,** light carrier with double end ground fitting for endoscope.
D–1292 **Greenberg's,** Fig. **g,** attachment for single catheterization, with lens, light carrier and lever operated catheter guiding finger.
*D–1293 **Greenberg's,** Fig. **ga,** attachment for double catheterization with lens, light carrier and lever operated catheter guiding finger.
D–1294 **Greenberg's,** Fig. **h,** window for water dilatation with lens.
D–1295 **Greenberg's,** Fig. **i,** window for air dilatation, with lens.
D–1296 **Greenberg's,** Fig. **k,** aspirating tube, and bulb.
D–1297 **Greenberg's,** Fig. **t,** window for operative work, air dilatation, with lens.
D–1298 **Greenberg's,** Fig. **u,** window for operative work, water dilatation, with lens.
D–1299 Extra lamps for light holder

Complete illustrated descriptive pamphlet of all Dr. Greenberg's Cysto-Urethroscopic instruments and accessories furnished on request.



D–1325, 1330, 1345, 1350





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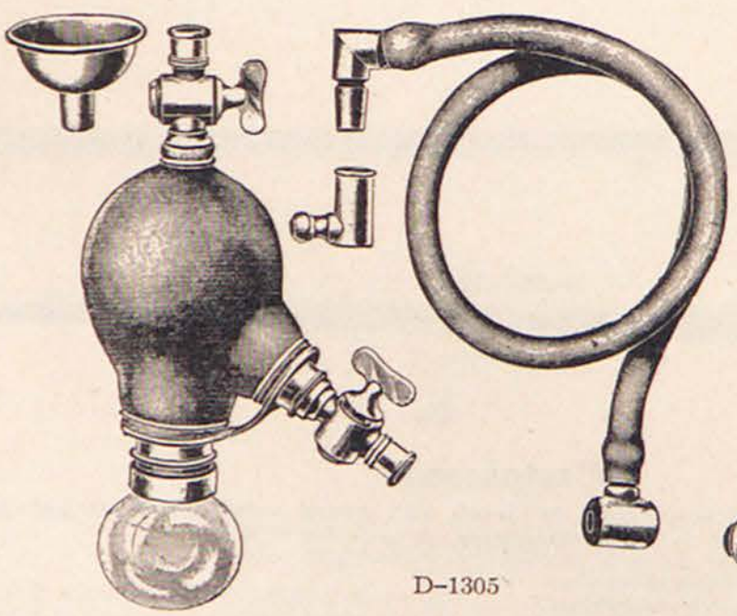
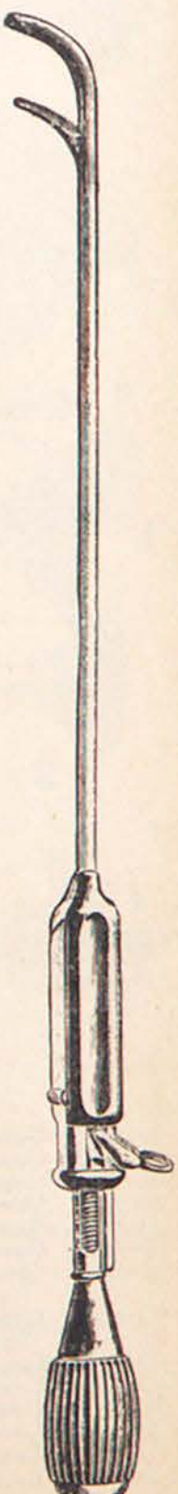


D–1305



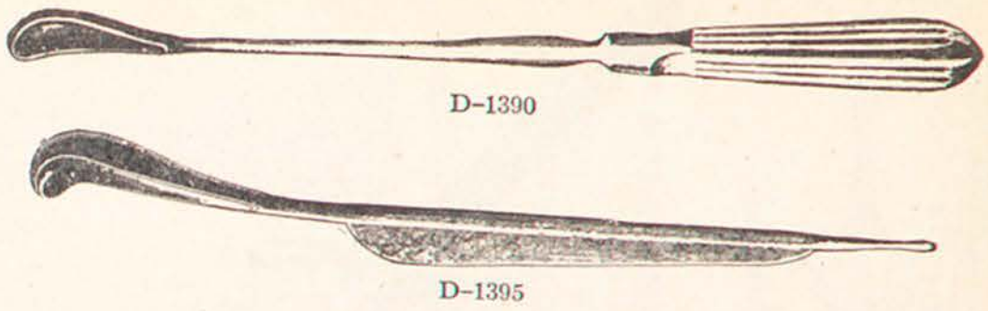
D–1310



D–1320

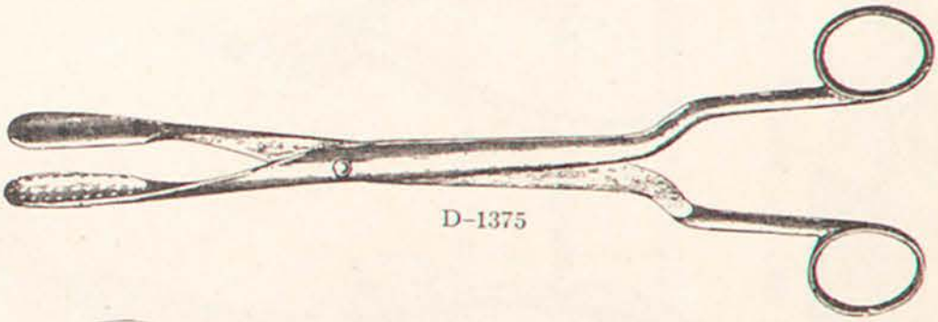
Lithotomy Instruments

*D–1300	**Andrews'** Stone Searcher.
D–1305	**Bigelow's** Evacuator, with 2 catheters, in case.
D–1310	**Bigelow's** Lithotrite.
D–1315	**Chismore's** Evacuator, with 2 catheters, in case.
D–1320	**Kuttner's** Lithotrite.
D–1325	**Little's** Stone Searcher, Fig. 1.
D–1330	**Otis'** Stone Searcher, Fig. 4.
*D–1335	**Reliquet's** Lithotrite.
*D–1340	**Thompson's** Lithotrite.
D–1345	**Thompson's** Stone Searcher, latest, Fig. 2.
D–1350	**Thompson's** Stone Searcher, original, Fig. 3.



D–1390

D–1395



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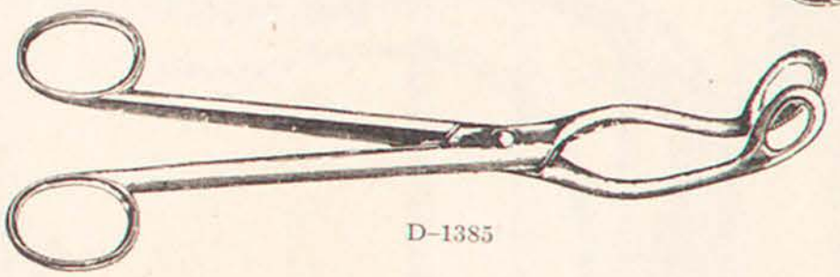

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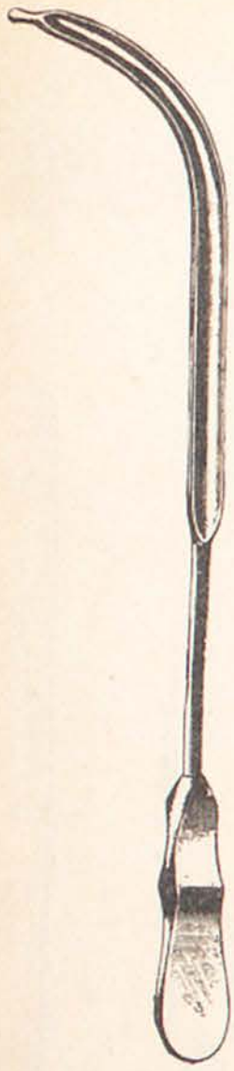

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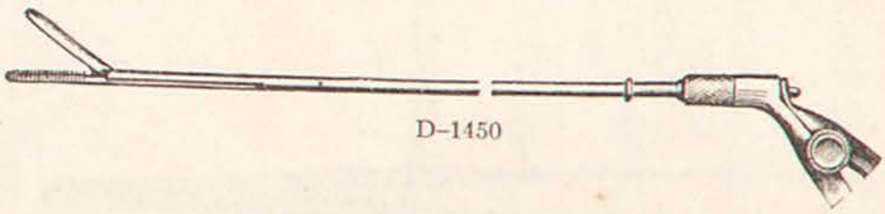
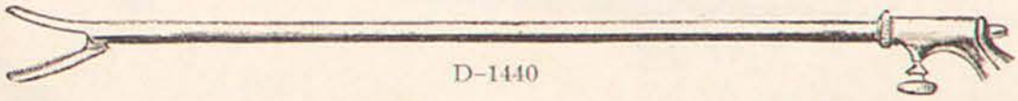


D–1450



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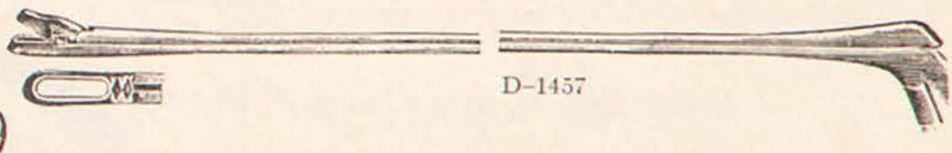
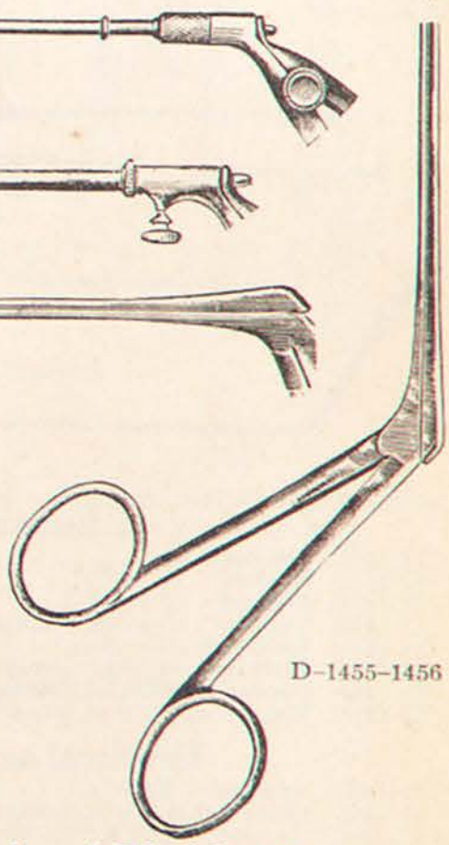


D–1457





D–1455–1456



D–1400

Lithotomy Forceps

*D–1370 **Bergman's.**
D–1375 **Lewkowitz's,** straight.
*D–1376 **Lewkowitz's,** curved.
*D–1380 **Teevan's,** fenestrated.
D–1385 **Thompson's,** curved.
*D–1386 **Thompson's,** bayonet shape.

Lithotomy Scoops and Gorgets

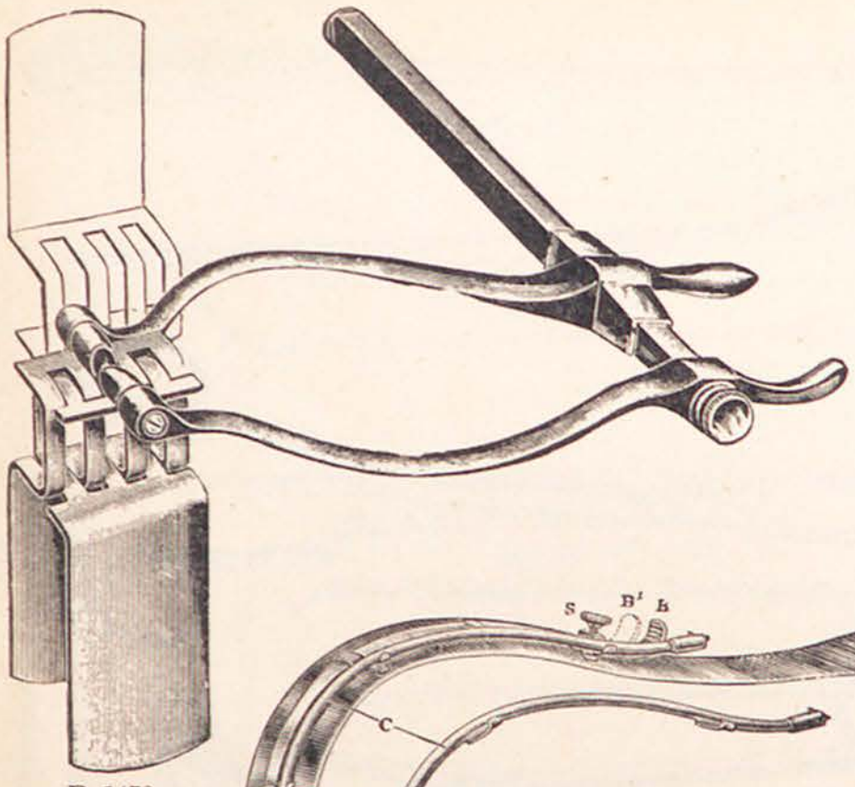
D–1390 **Little's** Scoop.
D–1395 Scoop with director.
D–1400 **Teale's** Gorget.

Lithotomy Staffs

*D–1410 **Ferguson's.**
*D–1415 **Little's** Angular Director.
D–1416 **Little's** Staff.
*D–1420 **Markoe's,** double curve.
*D–1425 **Wheelhouse's.**

Urethral and Bladder Forceps

*D–1435 **Collin's,** angular with tubular stem.
D–1440 **Dittel's,** angular with tubular stem.
*D–1445 **Kelly's,** alligator jaw.
D–1450 **Lewis** (Bransford), serrated edge.
D–1455 **Mathieu's,** angular, 7½ inches.
D–1456 **Mathieu's,** angular, 11 inches.
D–1457 **Mathieu's,** angular, punch jaws.



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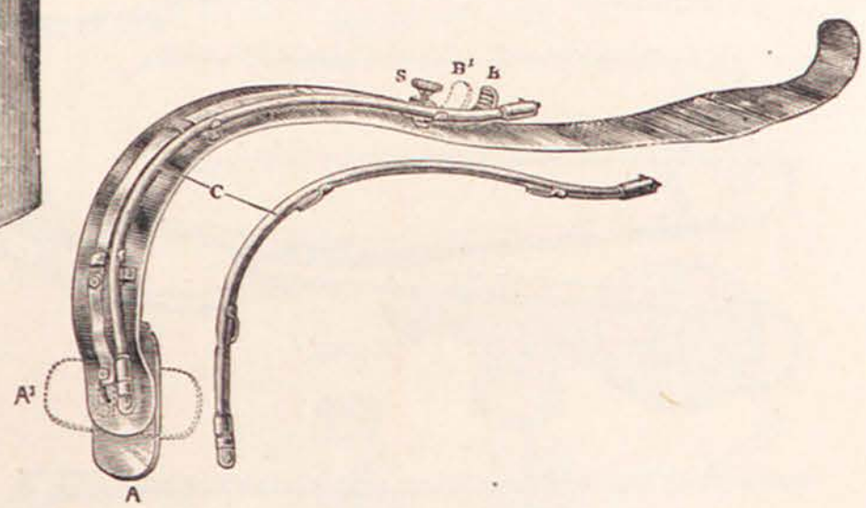
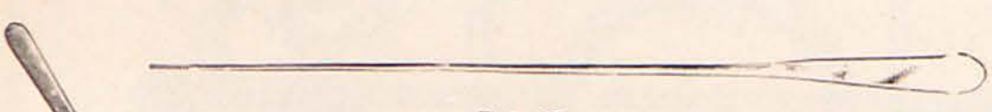


D–1472



D–1490



D–1485

D–1491



D–1487

D–1488

Supra Pubic Retractors

*D–1460 **Albarran's.**
*D–1461 **Kocher's.**
D–1470 **Masson's (Dr. J. C.).**
D–1472 **Thomas',** electrically lighted.
*D–1473 Extra lamps for above
*D–1475 **Walker's,** for transverse incisions ¾ inch and 1¾ inches wide.
*D–1480 **Watson's,** 2 bladed, self-retaining, dilating parallel.
*D–1481 **Watson's,** 3 bladed, self-retaining.

Urethral and Ureteral Instruments

D–1485 Applicator, **Kelly's.**
D–1486 Calibrator, **Kelly's,** urethral.
D–1487 Catheter, **Kelly's,** with plug and chain.
D–1488 Curette, **Kelly's,** sharp.
*D–1489 Dilator, **Kelly's,** urethral, double end, sizes 5 to 20 mm., plated.
D–1490 Forceps, **Kelly's,** delicate, mouse tooth, 9½ inches long.
D–1491 Searcher, **Kelly's,**
*D–1495 Segregator, **Luy's,** complete with 6 glass tubes, in metal case.

Scrotal Clamps

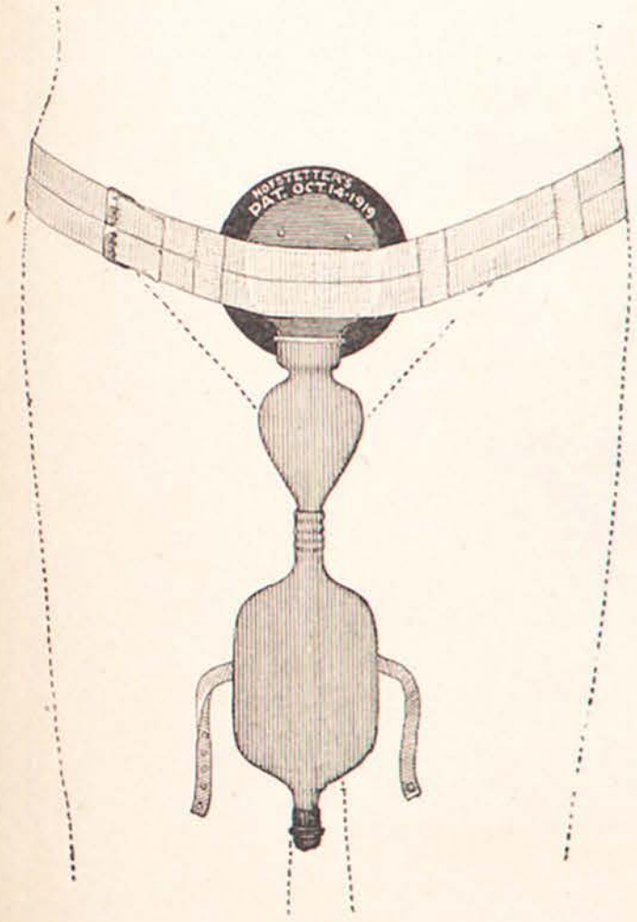
*D–1500 **Henry's.**
*D–1505 **King's.**
*D–1510 **Lewis'.**



D–1486



D–1525



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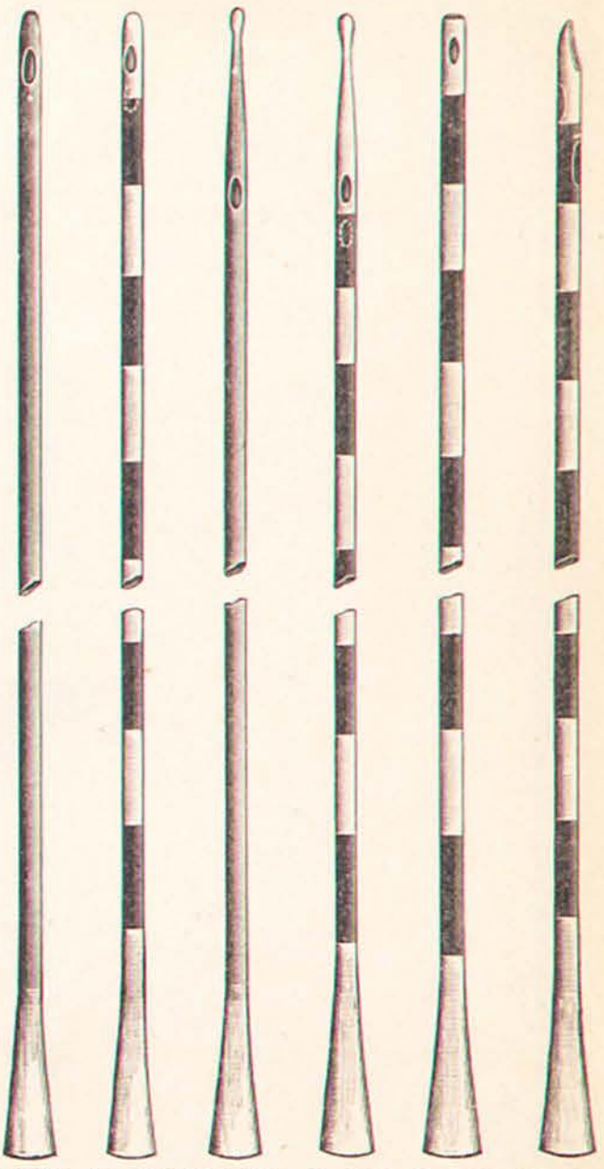


D–1530 D–1531 D–1534 D–1540 D–1541 D–1542 D–1533 D–1534 D–1546 D–1547

Supra Pubic Drainage Appliance

D–1520 **Hofstetter's,** complete with one pouch.
*D–1521 **Hofstetter's,** extra pouch only.

The above appliance may be used for permanent as well as for temporary drainage. It is the latest and most satisfactory appliance made for the purpose.

D–1525 **Freyer's,** heavy soft rubber, 11 cm. long, sizes, 15 mm., 20 mm., 24 mm. and 28 mm. diameter.

Ureteral Catheters, French, Silk Web

D–1530 Cylindrical, plain, sizes 4 to 8.
D–1531 Cylindrical, graduated, sizes 4 to 8.
*D–1532 Cylindrical, plain, open end, sizes 4 to 8.
D–1533 Cylindrical, graduated, open end, sizes 4 to 8
D–1534 Cylindrical, graduated, X-ray, sizes 4 to 8.
D–1540 Olive point, plain, sizes 4 to 8.
D–1541 Olive point, graduated, sizes 4 to 8.
D–1542 Olive point, graduated, X-ray, sizes 4 to 8.
*D–1545 Whistle end, plain, sizes 4 to 8.
D–1546 Whistle end, graduated, sizes 4 to 8.
D–1547 Whistle end, graduated, X-ray, sizes 4 to 8.



Section "E"

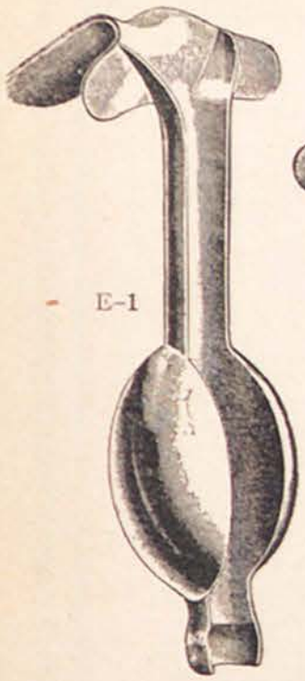
Gynecic

Hysterectomy

Obstetrical

Instrument Satchels

Medicine Cases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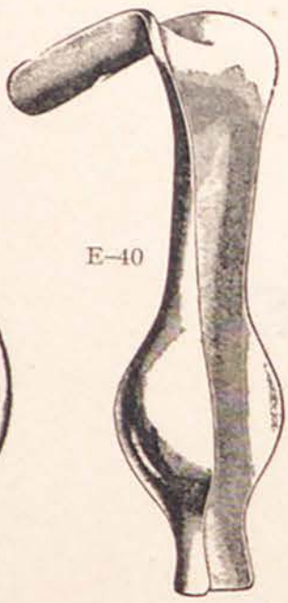
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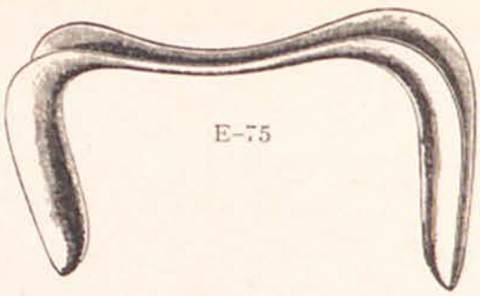
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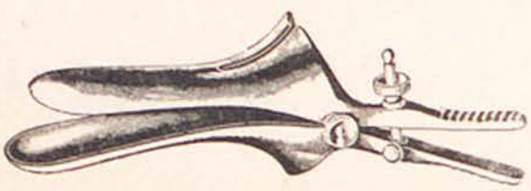
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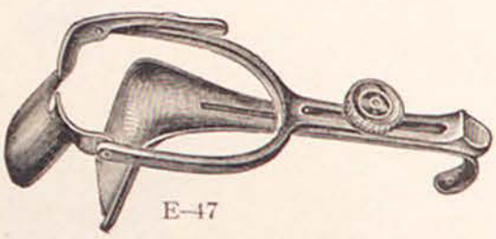
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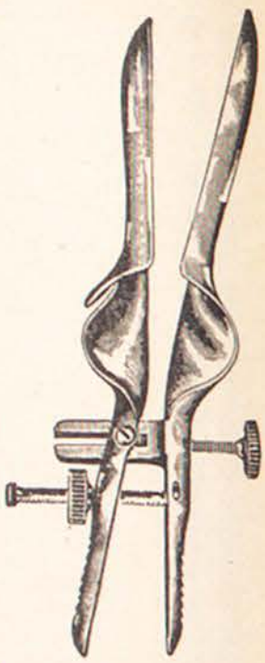
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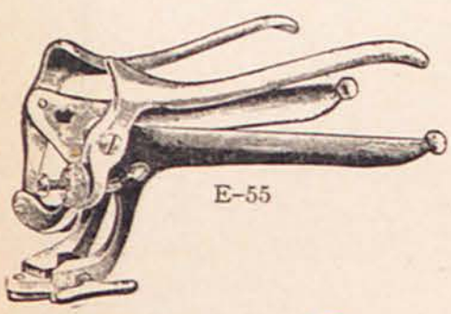
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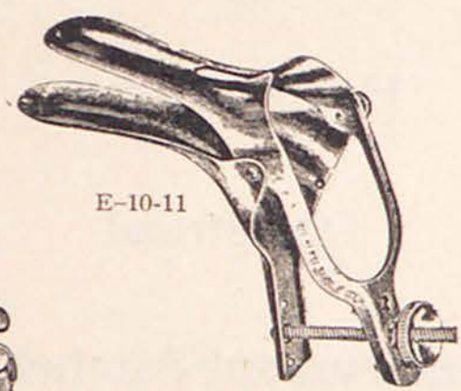
E-20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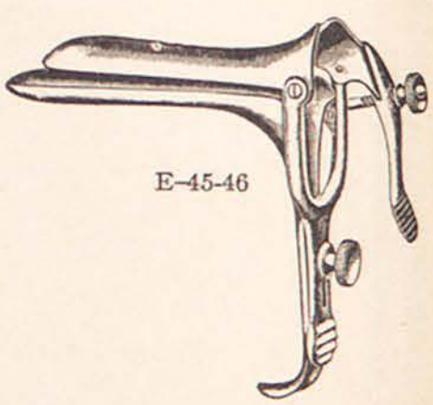
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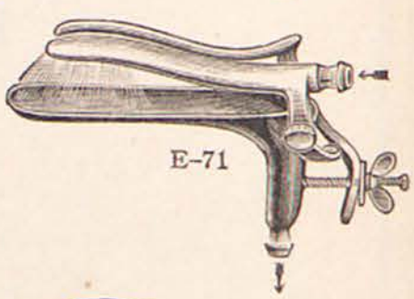
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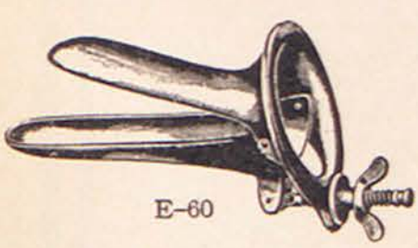
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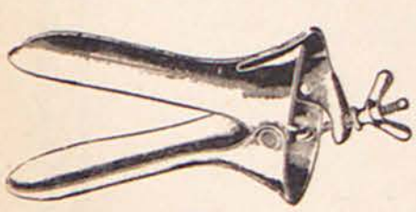
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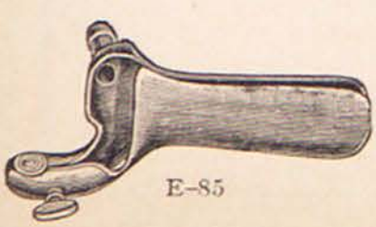
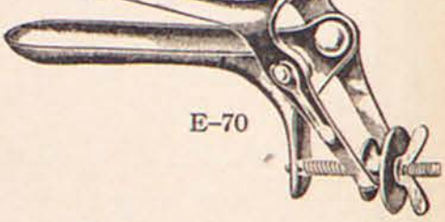

E-85

Vaginal Specula

E- 1	**Auvard's,**	weighted, 1 size.
*E- 2	**Auvard's,**	with detachable weight.
*E- 5	**Beebe's,**	lateral, 1 size.
E-10	**Brewer's,**	regular, 3 sizes.
E-11	**Brewer's,**	extra large, 1 size.
*E-15	**Cavana's,**	regular, 1 size.
E-16	**Cavana's,**	operating, 1 size.
E-20	**Collins',**	3 sizes.
*E-25	**Cusco's,**	3 sizes.
*E-26	**Cusco's,**	latest pattern.
*E-27	**Cusco's,**	Virgin.
E-30	**DeVilbiss',**	regular, 3 sizes.
*E-31	**DeVilbiss',**	operating, 1 size.
*E-35	**Edebohl-Miller's,**	1 size.
E-40	**Garrigue's,**	weighted, 1 size
E-45	**Graves',**	regular, 2 sizes.
E-46	**Graves',**	large.
E-47	**Graves',**	operating, 1 size.
*E-50	**Hale's,**	virgin.
*E-51	**Hale's,**	regular, 2 sizes.
E-55	**Haslam's,**	ball bearing.
E-60	**Higbie's,**	3 sizes.
E-65	**Miller's,**	3 sizes.
E-70	**Nott's,**	3 sizes.
E-71	**Nott's,**	irrigating.
*E-73	**Palmer's,**	self-retaining.
E-75	**Sim's,**	5 sizes.
E-80	**Taylor's.**	
E-85	**Talley's.**	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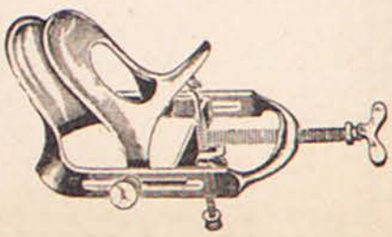
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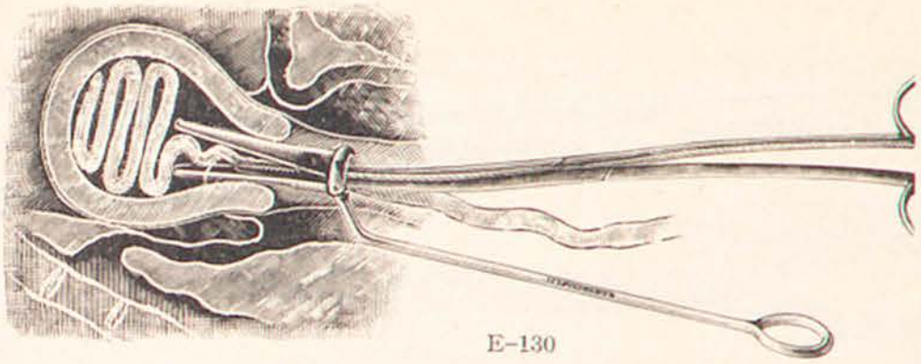


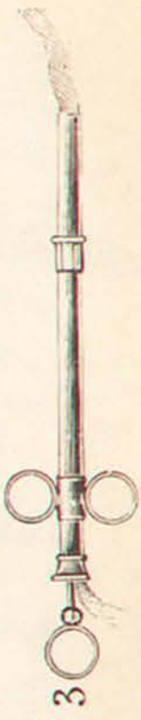
E–130



E–117



E–116



E–115



E–108



E–100 to E–103



E–125



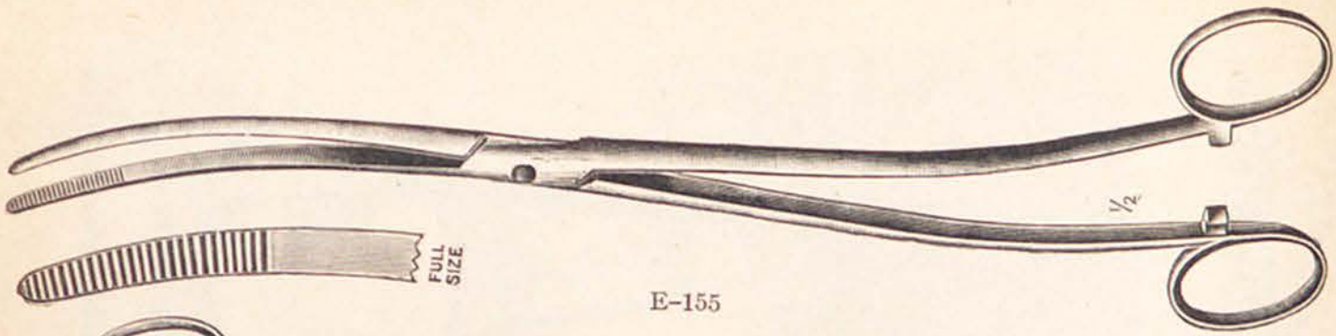
E–104



E–135

Uterine Applicators and Packers

E–100 Plain applicator, aluminum, rough end, No. 1.
E–101 Plain applicator, aluminum, spiral end, No. 2.
E–102 Plain applicator, aluminum, triangular end, No. 3.
E–103 Plain applicator, aluminum, flat end, No. 4.
E–104 Plain applicator, aluminum, double rough or flat and rough end.
E–108 **Bernay's** Packer.
*E–110 **Emmett's** Applicator with slide, plated or silver.
E–115 Gauze Packer, 8½ inches long, $\frac{13}{32}$ inch diameter.
E–116 Gauze Packer, 12 inches long, $\frac{3}{16}$ inch diameter.
E–117 Gauze Packer, 12 inches long, $\frac{5}{16}$ inch diameter.
*E–118 Obturators for above gauze packers.
*E–120 **Kelly's** Gauze Packer, trident.
E–125 **Martin's** Applicator with 100 stems.
E–130 **McDade's** Gauze Packer.
E–135 Wood Applicators, 500 in bundle.



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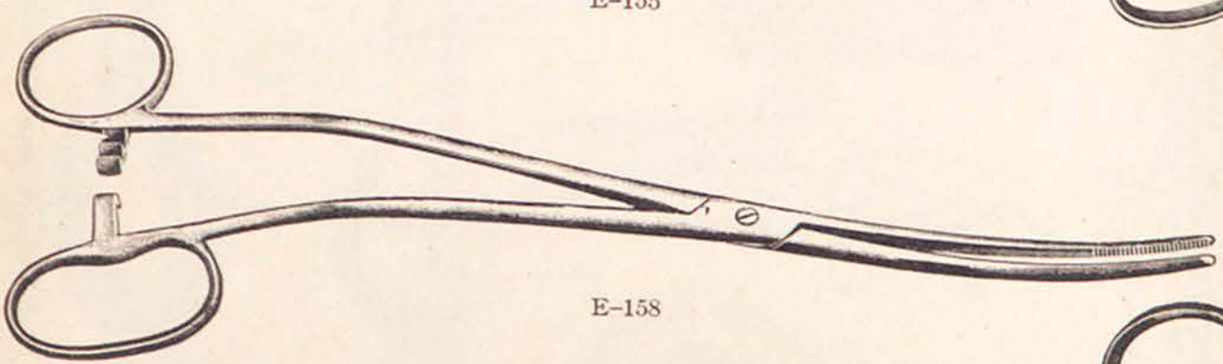

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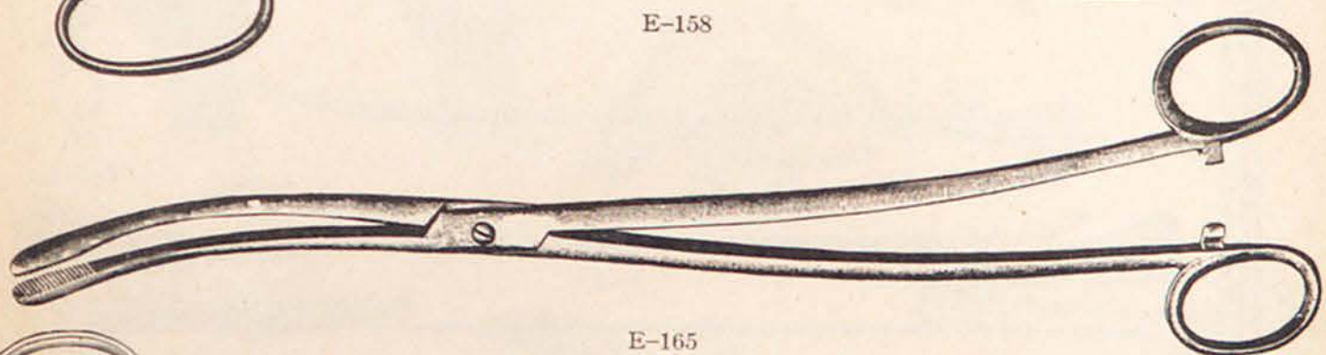

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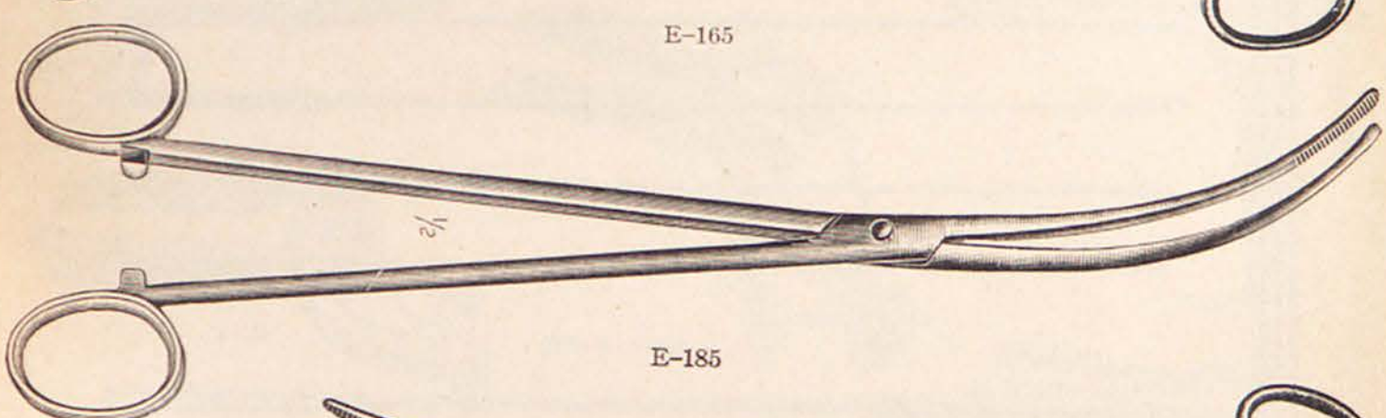

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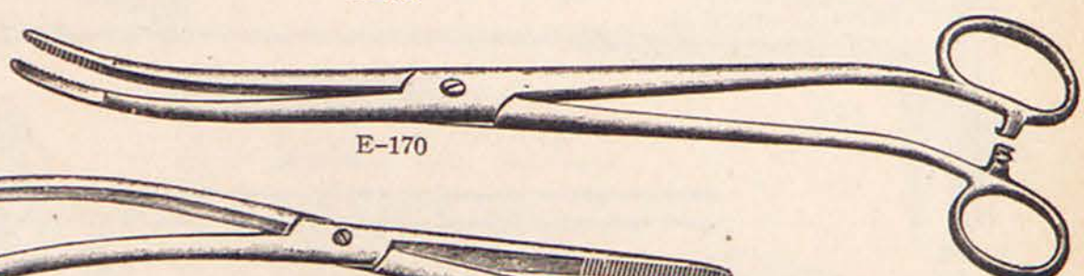
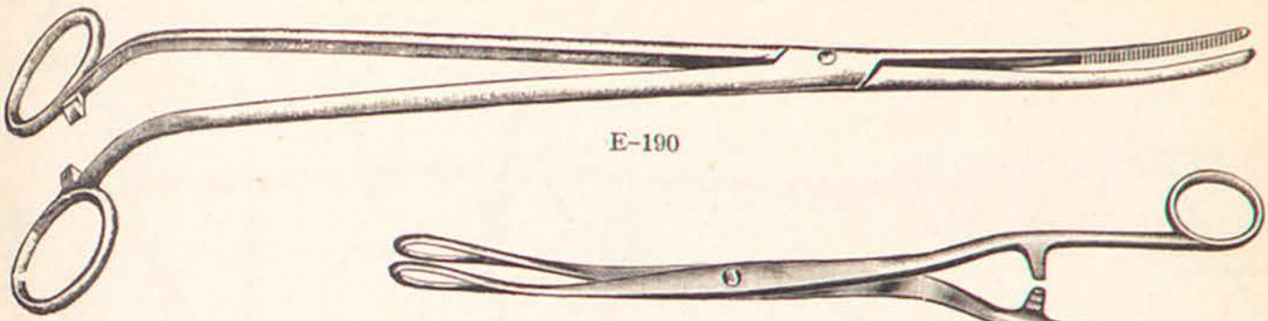


E–170

E–150

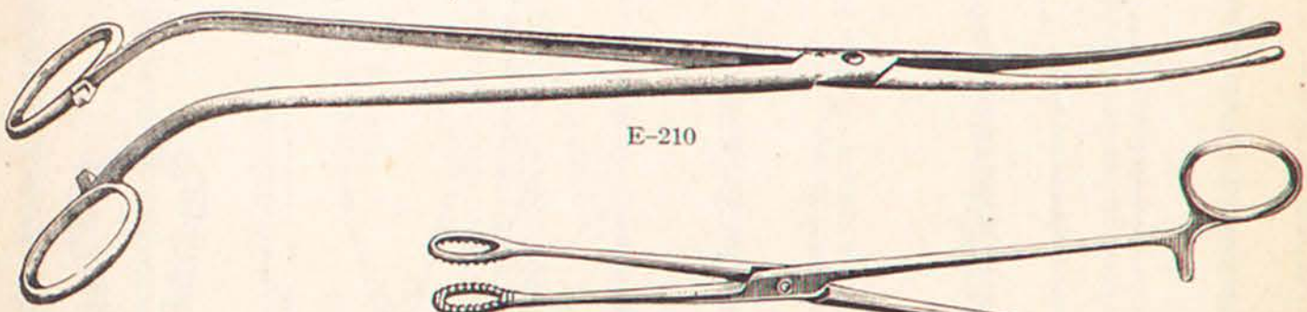
Uterine Dressing Forceps

E–150 **Barrett's,** packing.
E–155 **Bozeman's,** original model, serrated jaw.
*E–156 **Bozeman's,** original model, **mortise joint.**
*E–157 **Bozeman's,** original model, smooth flat jaw.
E–158 **Bozeman's,** improved model, serrated jaws.
*E–159 **Bozeman's,** improved model, concave jaw.
*E–160 **Bozeman's,** improved model, smooth flat jaw.
E–165 **DeLee's,** heavy packing.
E–170 **Douglass-Bozeman's,** improved model, with triangular point, serrated jaws.
*E–171 **Douglass-Bozeman's,** improved model, with triangular point, smooth jaws.
*E–175 **Elliott's,** straight.
*E–176 **Elliott's,** with bent handles.
*E–180 **Emmet's,** with slide catch.
E–185 **Garrigue's,** packing.



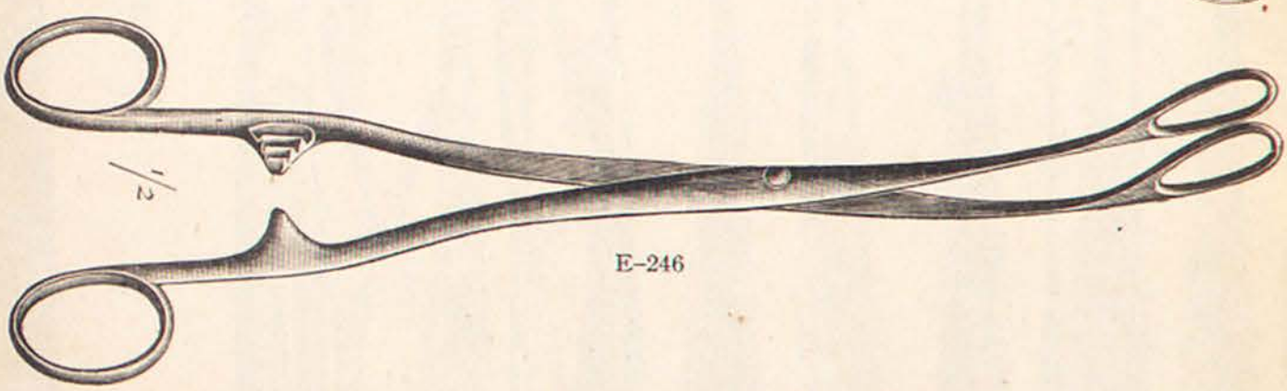
E–190

E–240-241



E–210

E–247-251



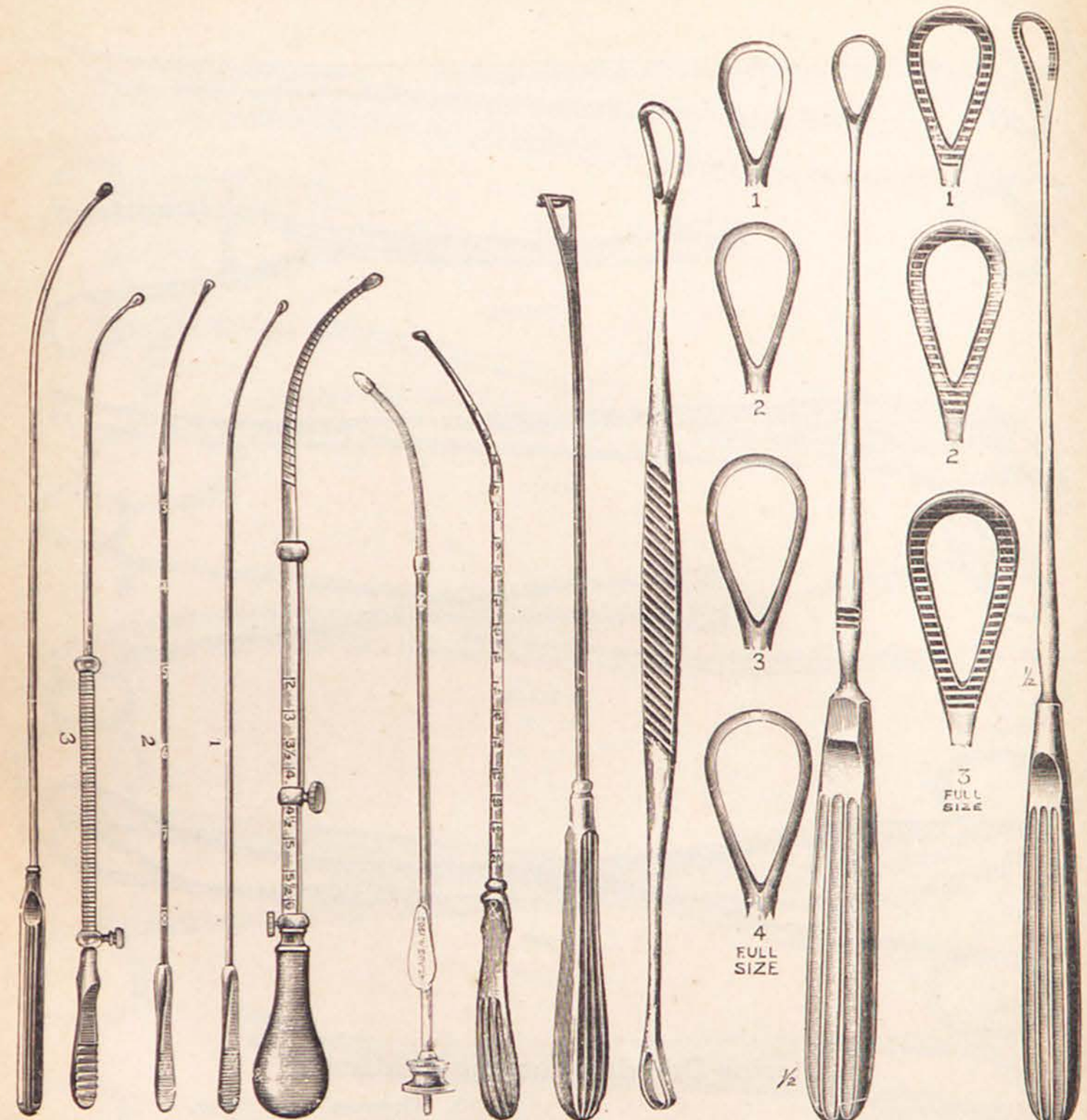
E–246

Uterine Dressing Forceps (continued)

E–190 **Harvey's.**
*E–195 **Leonard's.**
*E–200 **Rothrock's.**
*E–205 **Schroeder's.**
E–210 **Thomas'** applicating.
*E–215 **Walcher's,** 12 inches.
*E–220 **Vaughan-Douglass'.**

Sponge-holding Forceps (see also pages 87 to 89)

E–240 Bellevue, smooth blades.
E–241 Bellevue, serrated blades.
*E–245 **Foerster's** straight, 6 inches, 7¼ inches, 9¾ inches.
E–246 **Foerster's,** curved, 9¾ inches.
E–247 **Foerster-Haslam,** straight, 7 inches, smooth jaw.
E–248 **Foerster-Haslam,** straight, 7 inches, serrated jaw.
E–249 **Foerster-Haslam,** straight, 8 inches, plain jaw.
E–250 **Foerster-Haslam,** straight, 9½ inches, plain jaw.
E–251 **Foerster-Haslam,** straight, 9½ inches, serrated jaw.
*E–252 **Foerster-Haslam,** curved, 7 inches, smooth jaw.
*E–253 **Foerster-Haslam,** curved, 7 inches, serrated jaw.
*E–254 **Foerster-Haslam,** curved, 9½ inches, smooth jaw.
*E–255 **Foerster-Haslam,** curved, 9½ inches, serrated jaw.
*E–260 **Husson's** Sponge Holder.
*E–265 **Kelly's.**
*E–270 **Polk's.**
*E–275 Plain Sponge Holder, straight.
*E–276 Plain Sponge Holder, curved.
*E–280 **Wilson's,** serrated jaw.



E-330 E-315 E-335 E-332 E-320 E-311 E-325 E-375 E-350 E-365 E-370
E-331

Uterine Applicating Syringes (See also page 27)

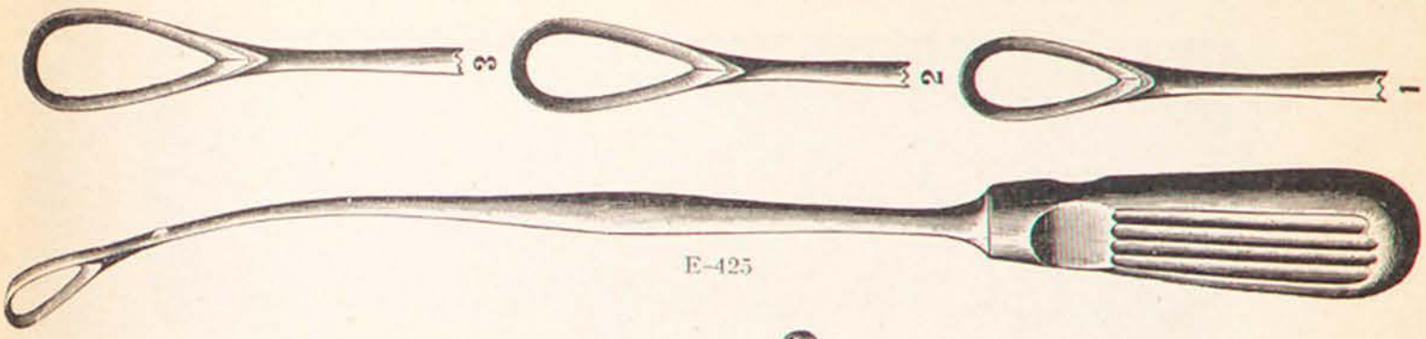
*E-290 **Braun's.**
*E-295 Hard rubber, ½ ounce, 1 ounce and 2 ounces.
*E-300 **Kelly's,** silver, with flexible tube.
*E-305 **Woodward's,** with flexible silver tube.

Uterine Elevators, Probes and Sounds

*E-310 **Elliott's** Elevator, with elastic web cover.
E-311 **Elliott's** Elevator, all metal, spiral.
E-315 **Fitch's** Sound, Fig. 3.
E-320 **Jenk's** Sound.
*E-322 **Ludlam's** Elevator.
E-325 **Martin's** Sound, graduated.
E-330 **Sims'** Probe, plated or aluminum.
E-331 **Sims'** Probe, silver.
E-332 **Sims'** Sound, Fig. 1.
E-335 **Simpson's** Sound, graduated, Fig. 2.

Uterine Curettes

E-350 **Blakes',** double, blunt and sharp.
*E-355 **Boldt's,** carcinoma, sharp.
*E-360 **Burt's,** double, spoon and loop.
E-365 **Goelet's,** flexible shank, 4 sizes.
E-370 **Green's,** serrated, 3 sizes.
E-375 **Langstaff's,** 4 sizes.
*E-380 **Martin's,** double end, blunt spoons.
*E-385 **Recamier's,** sharp, 6 sizes.



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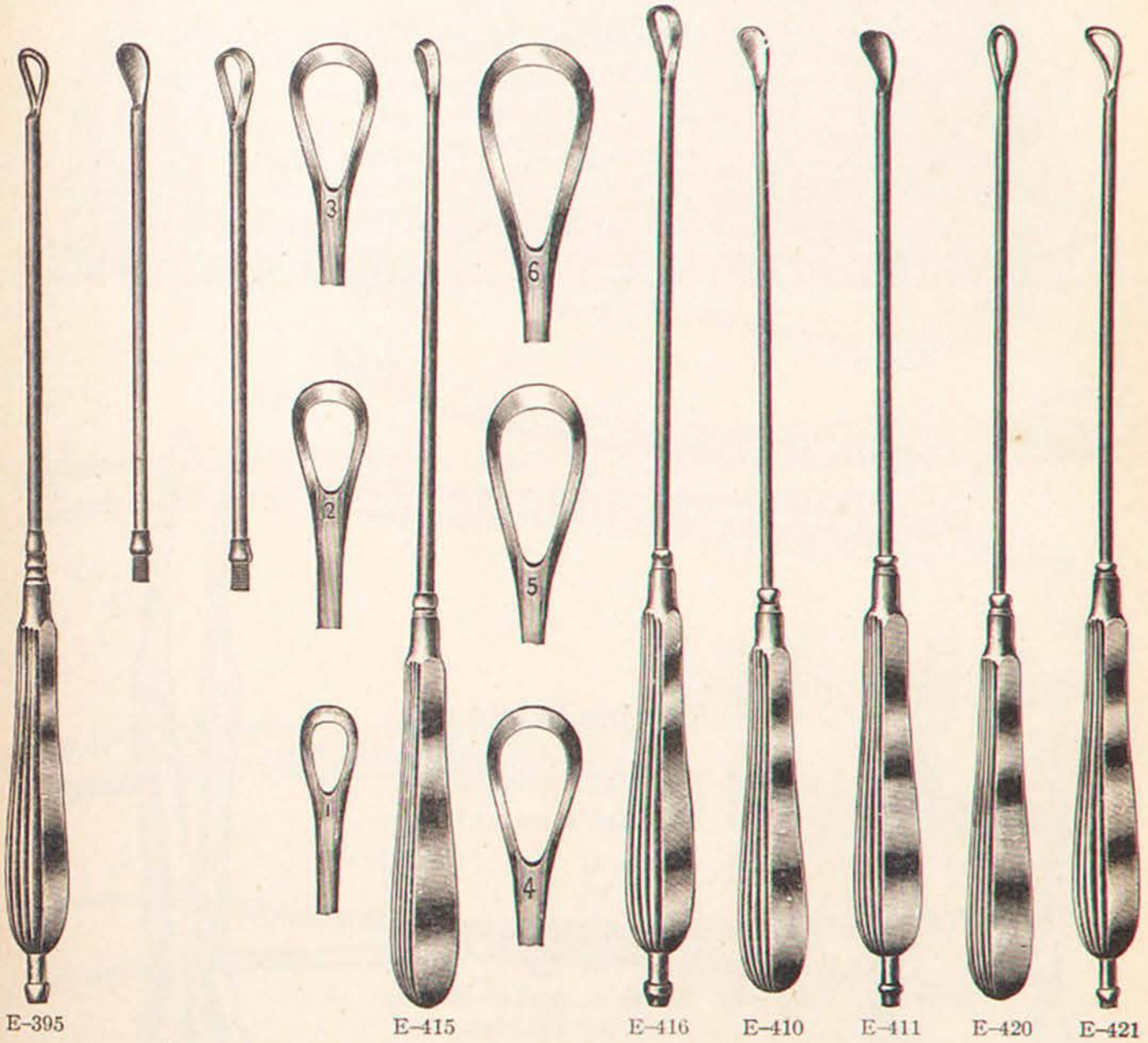


E-395 E-415 E-416 E-410 E-411 E-420 E-421

Uterine Curettes (continued)

*E-390 Berlin, set of three, with 1 handle, irrigating.

*E-391 Berlin, set, as above, in leather or khaki case.

*E-392 Berlin Gynaecological Set, consisting of 3 irrigating curettes, 1 tenaculum, 1 probe, 1 Simpson's sound, 1 applicator, 1 sponge holder and 2 handles, in flexible leather or khaki case.

E-395 Combined set of three, with one fine, large handle, irrigating

*E-396 Combined set as above, in khaki case.

*E-397 **Goldstein's,** irrigating, 3 sizes.

*E-400 **Rheinstetter's,** irrigating, blunt, 3 sizes.

*E-401 **Rheinstetter's,** irrigating, sharp, 3 sizes.

*E-405 **Simon's,** sharp, 6 sizes.

*E-406 **Simon's,** blunt, 6 sizes.

E-410 **Skene's,** 3 sizes.

E-411 **Skene's,** irrigating, 3 sizes.

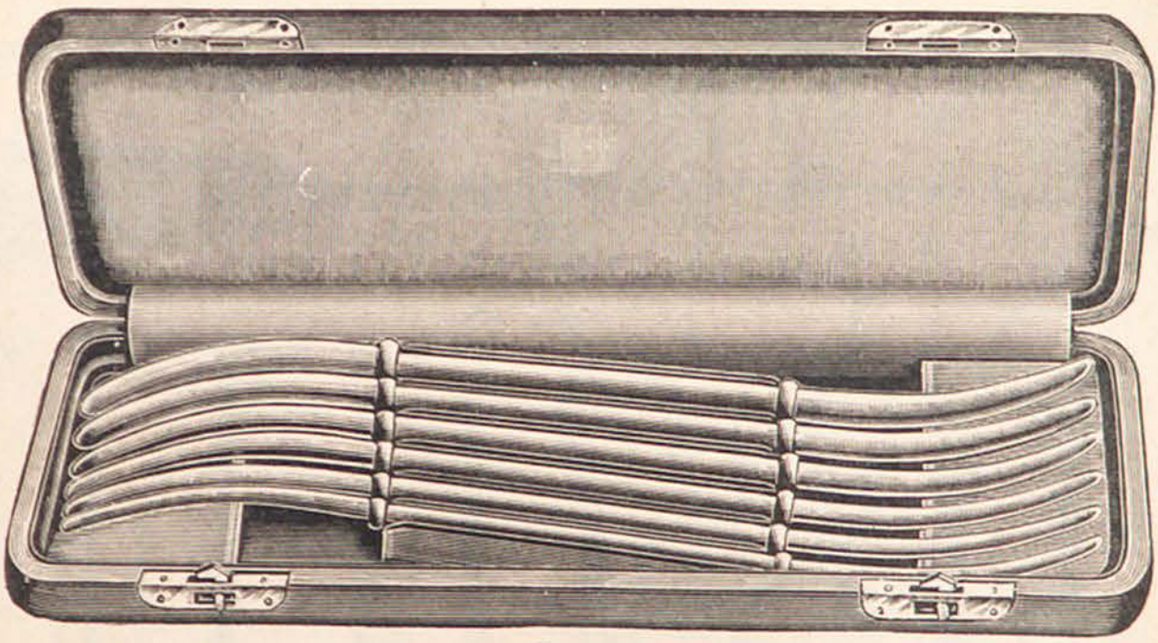
E-415 **Sims',** sharp, 6 sizes.

E-416 **Sims',** sharp, rinsing, 3 sizes.

E-420 **Thomas',** blunt, 3 sizes.

E-421 **Thomas',** blunt, irrigating, 3 sizes.

E-425 **Wylies',** sharp, 3 sizes.



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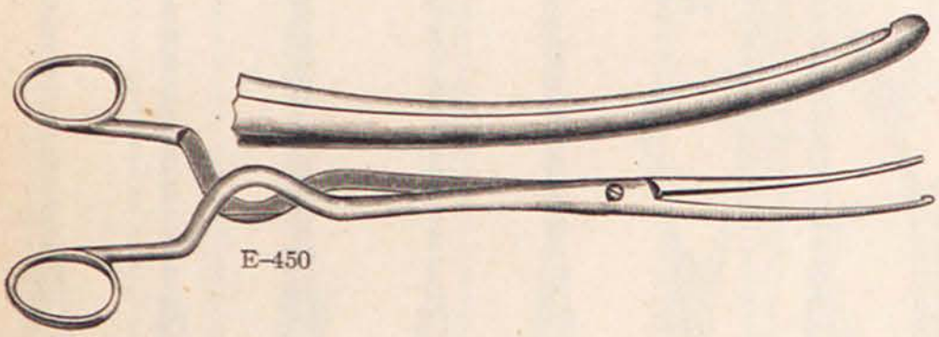

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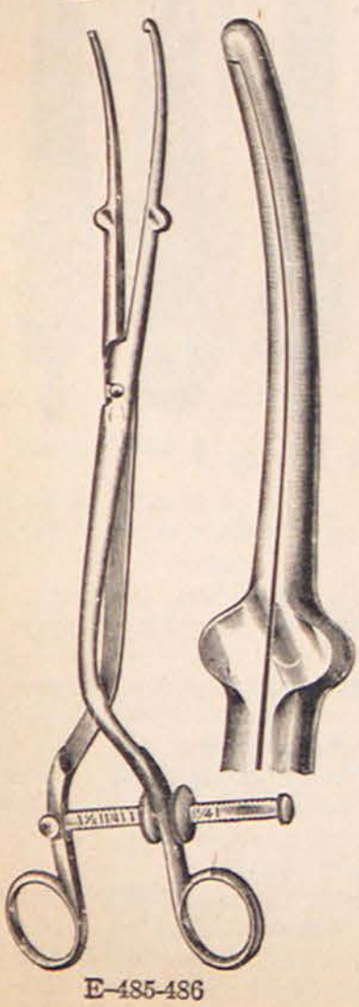


E–485-486

Uterine Dilators

E–450 **Atlee's,** slender blades.

E–455 **Goodell's,** small and large.

*E–460 **Hegar's,** set of 25, hard rubber.

*E–461 **Hegar's,** set of 25, metal, in case.

*E–465 **Hank's,** double end, set of six, hard rubber.

E–466 **Hank's,** double end, set of six, metal, in case.

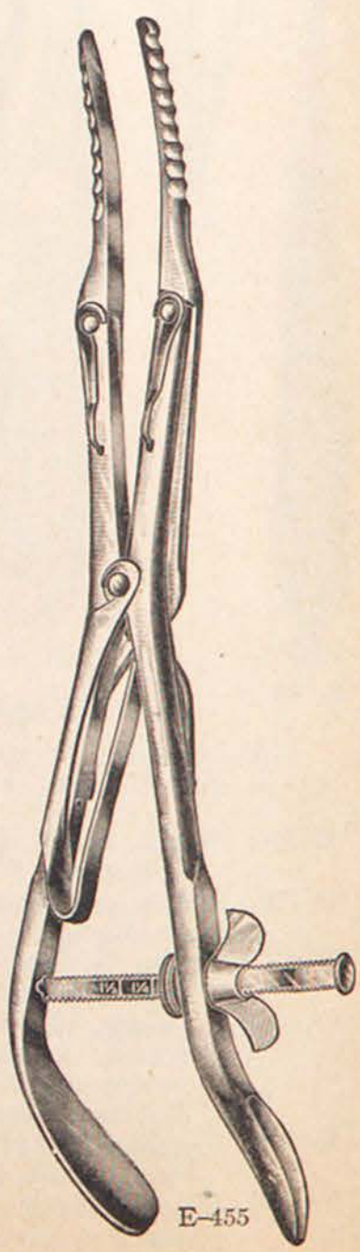
*E–475 **Nott's.**

*E–480 **Outerbridge's,** set of six, with introducer.

*E–481 **Outerbridge's,** dilators only, 3 sizes, straight and curved.

E–485 **Palmer's,** plain, smooth or corrugated blades.

E–486 **Palmer's,** fine, smooth or corrugated blades.



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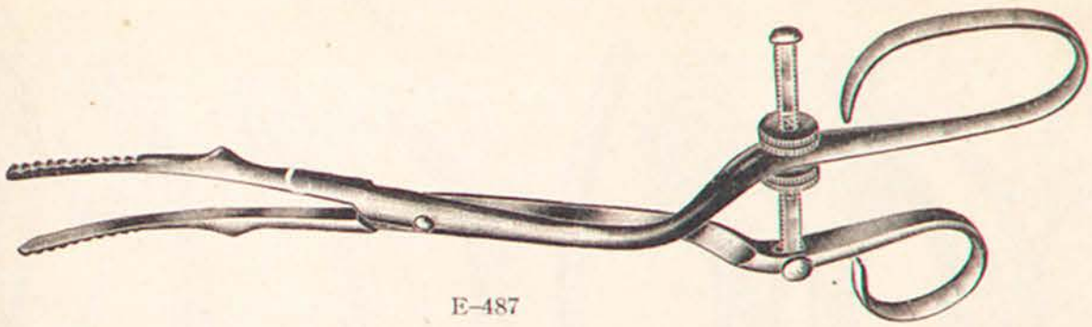

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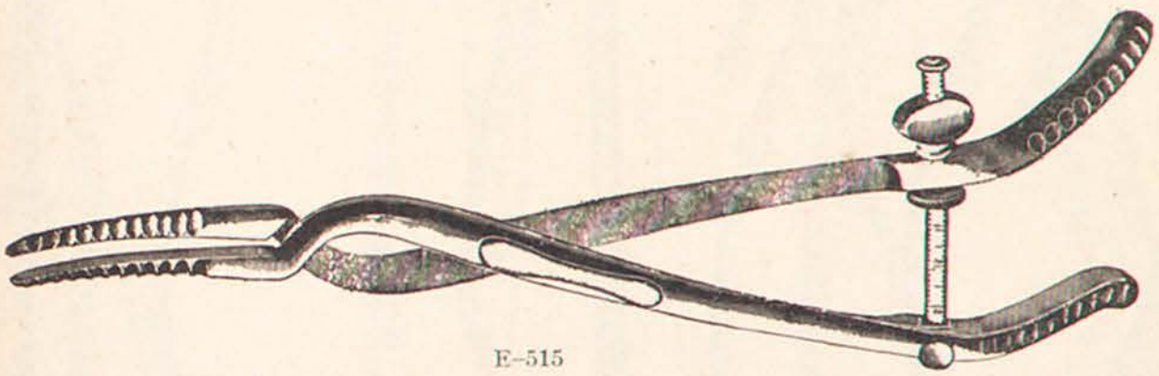

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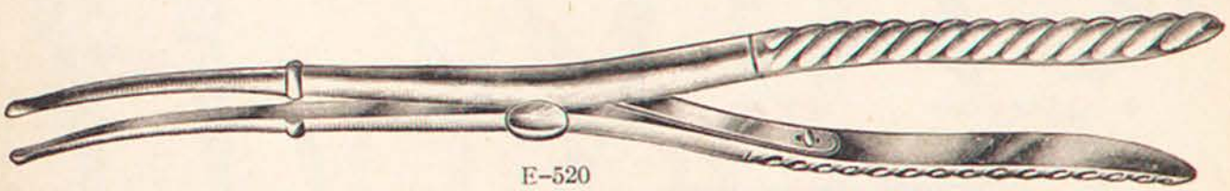

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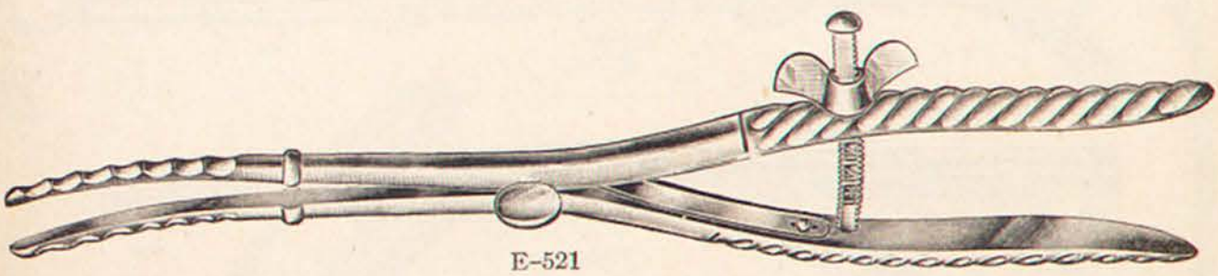


E–521



E–510



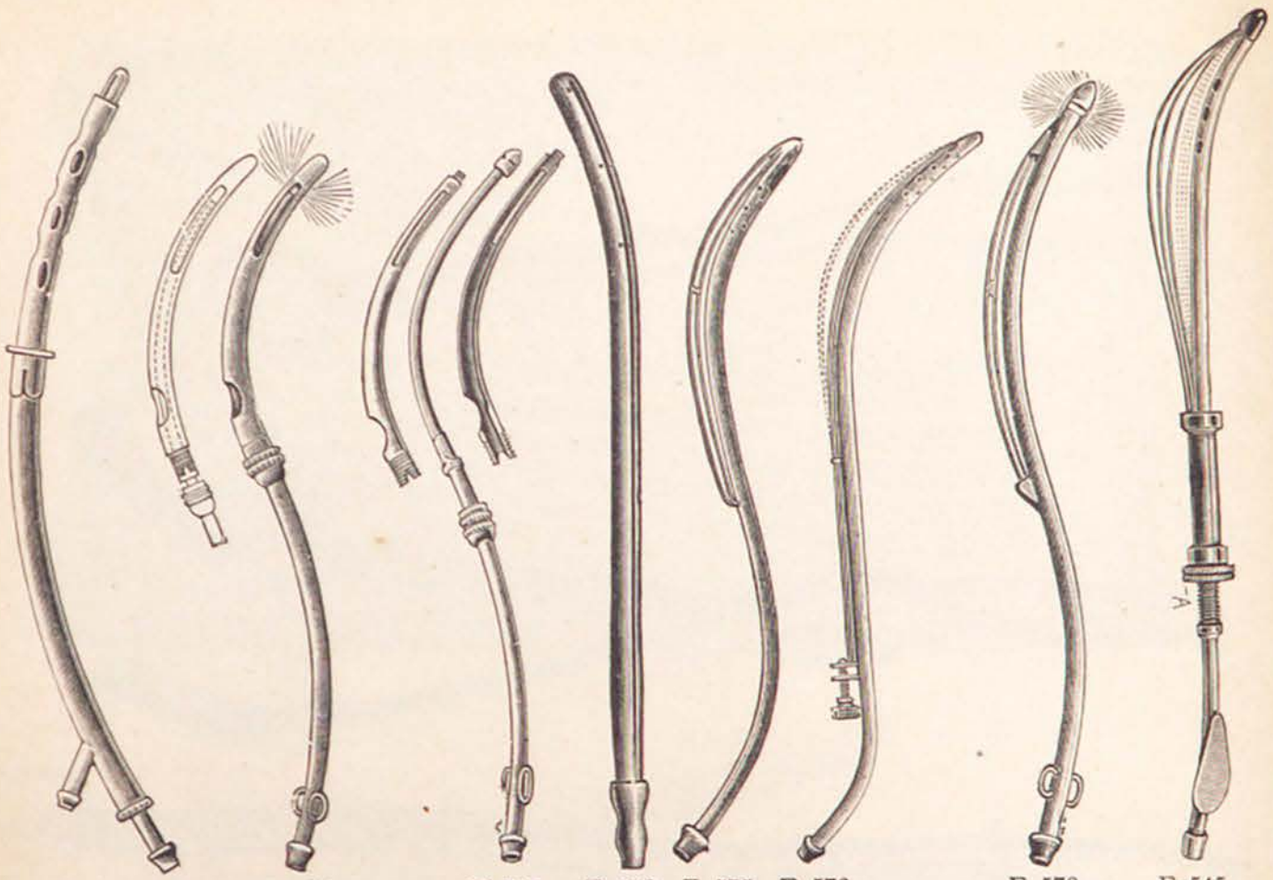
E—505

Uterine Dilators (Continued)

E–487 **Palmer's,** improved, with large ring.
*E–490 **Pryor's.**
*E–495 **Richter's,** with parallel dilating blades.
*E–496 **Richter's,** with 4 dilating blades.
E–500 Sea Tangle, tents, solid and hollow.
E–505 Sponge tents, straight and curved.
E–510 **Starlinger's,** double end.
E–515 **Wathen's.**
E–520 **Wylie's,** without set screw, smooth or corrugated blades.
E–521 **Wylie's,** with set screw, smooth or corrugated blades



E–500



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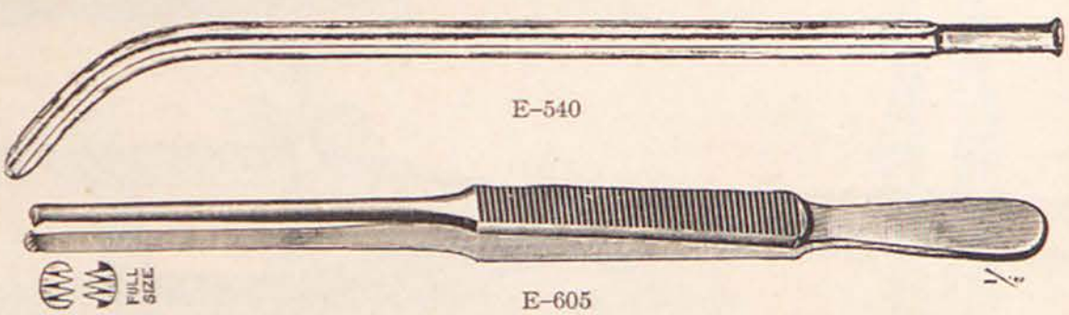


E-540

E-605



E-611



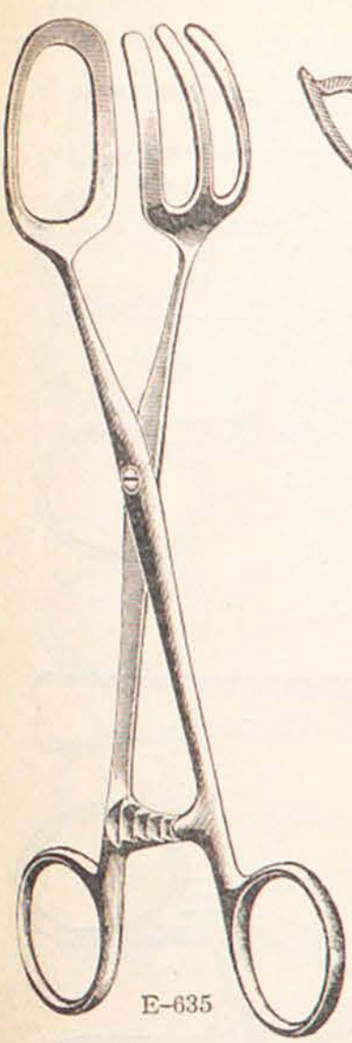
E-606

Uterine Douches

E–530 **Bozeman's,** regular and extra large.
*E–535 **Bozeman-Fritche's,** regular and large.
E–540 **Chamberlain's,** glass.
E–545 **Climax,** dilating.
E–550 **Edgar's.**
E–555 **Glasgow's.**
*E–560 **Jenning's,** latest, perforated.
E–565 **Kelly-Bozeman's.**
E–570 **Langstaff's.**
E–575 **Leonard's.**
E–576 **Leonard's,** dilating.
*E–580 **Reade-Jennison's.**
*E–585 **Talley's,** same as Leonard's, very small.

Uterine Tissue Forceps, Spring

*E–600 **Kelly's,** 9 inches, 4 and 5 teeth.
*E–601 **Kelly's,** 9 inches, 4 and 5 teeth, fenestrated handles.
E–605 Plain, straight, 8 inches, 1 and 2, 2 and 3, 3 and 4, 4 and 5 teeth.
E–606 Plain, curved, 8 inches, 1 and 2, 2 and 3, 3 and 4, 4 and 5 teeth.
*E–610 **Skene's,** slide catch, straight.
E–611 **Skene's,** slide catch, curved.



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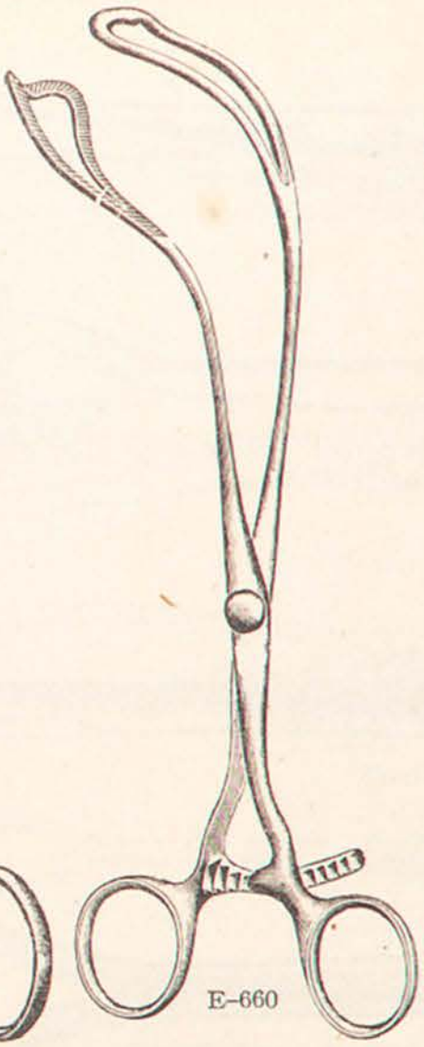

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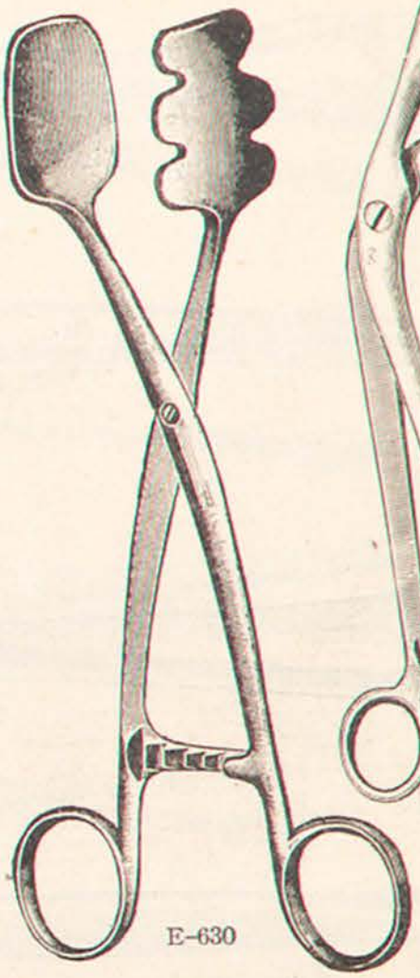

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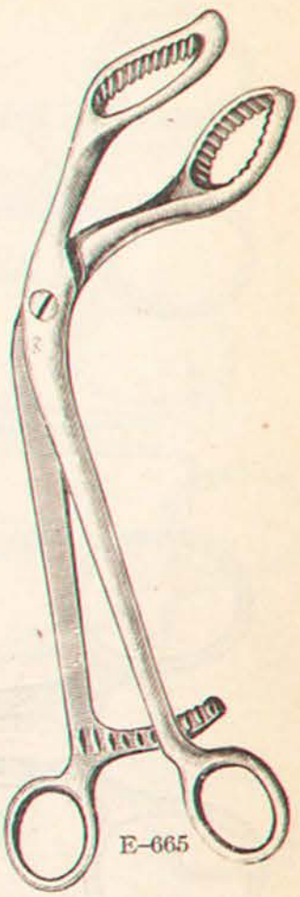

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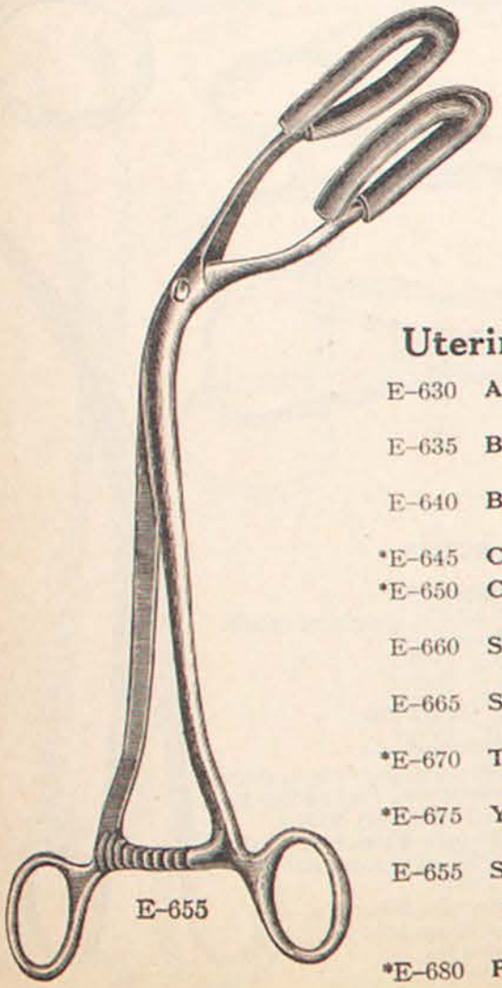


E-655

Uterine Elevating Forceps

E-630 **Allen's,** for grasping the fundus of the uterus.

E-635 **Barrett's,** for grasping the fundus of the uterus.

E-640 **Berry's,** for grasping the fundus of the uterus.

*E-645 **Collins',** with movable blades.

*E-650 **Cullen's,** for grasping the fundus of the uterus.

E-660 **Sherk's,** for grasping the fundus of the uterus.

E-665 **Somer's,** for grasping the fundus of the uterus.

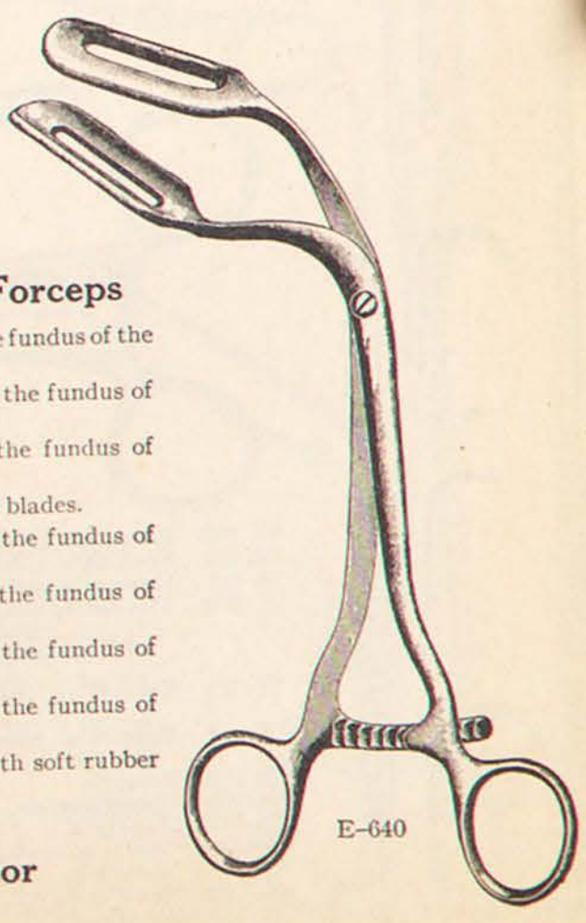
*E-670 **Taylor's,** for grasping the fundus of the uterus.

*E-675 **Young's,** one blade with soft rubber jaw.

E-655 **Schoenberg's.**

Uterine Tractor

*E-680 **Pryor's.**



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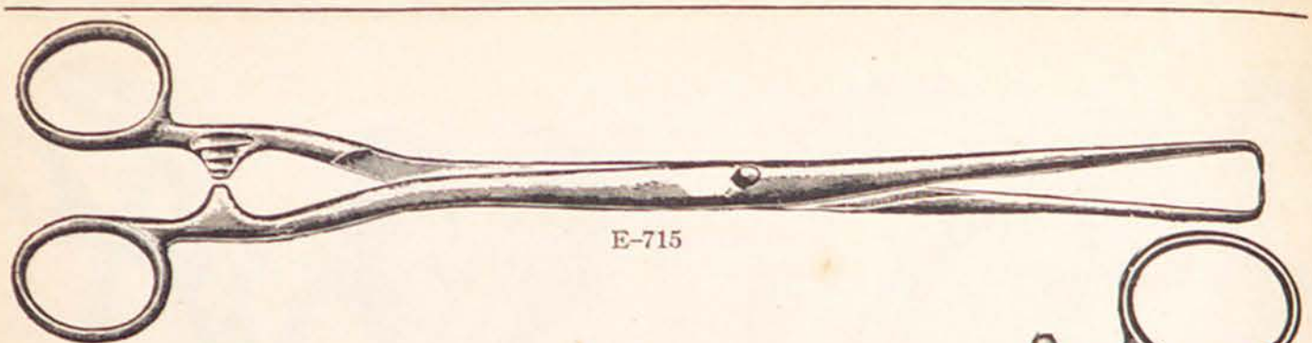

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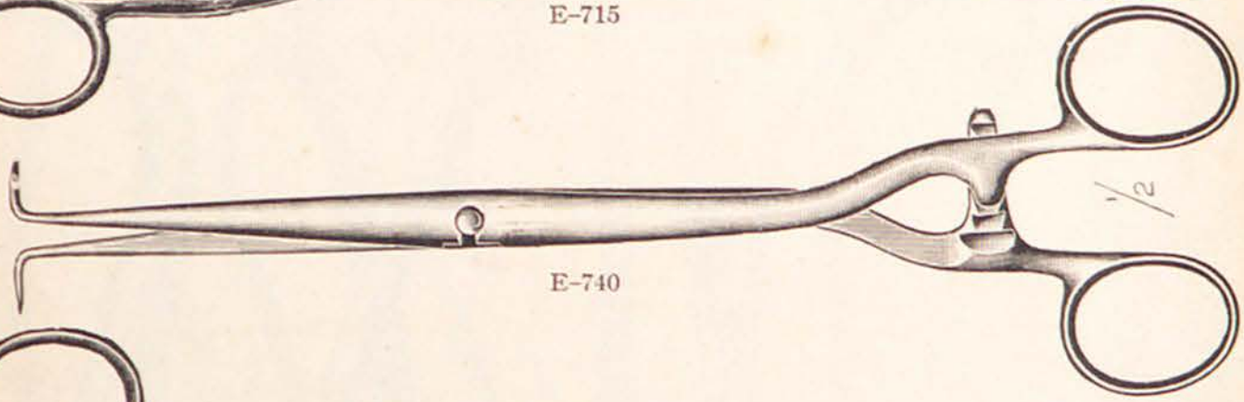

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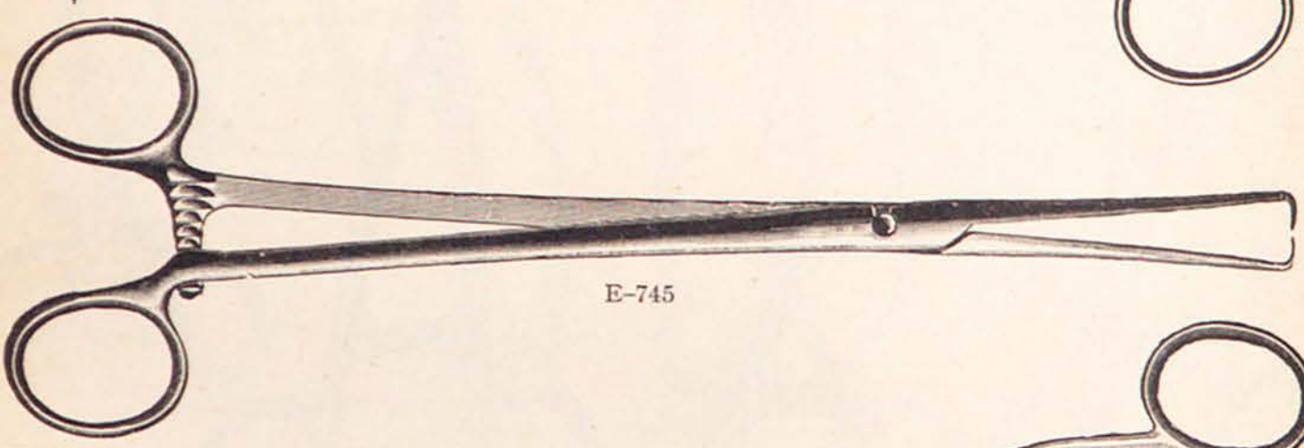

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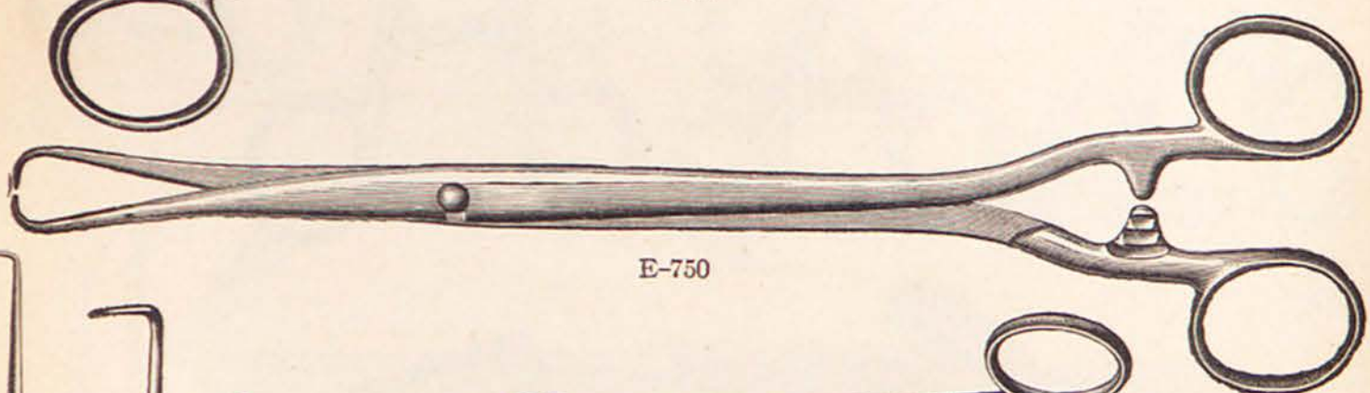

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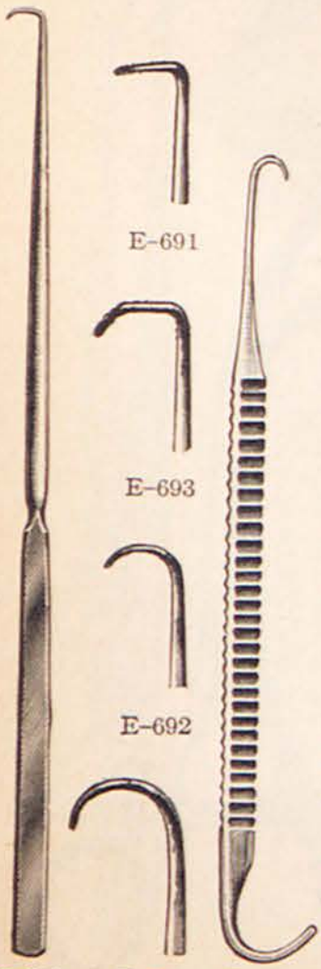
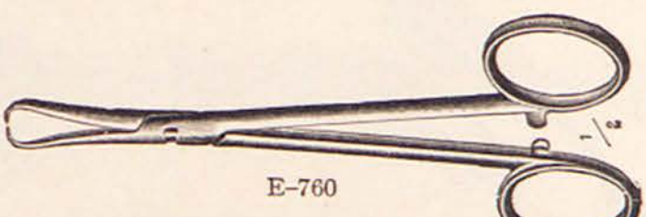


E-693 E-700 E-695

E-691

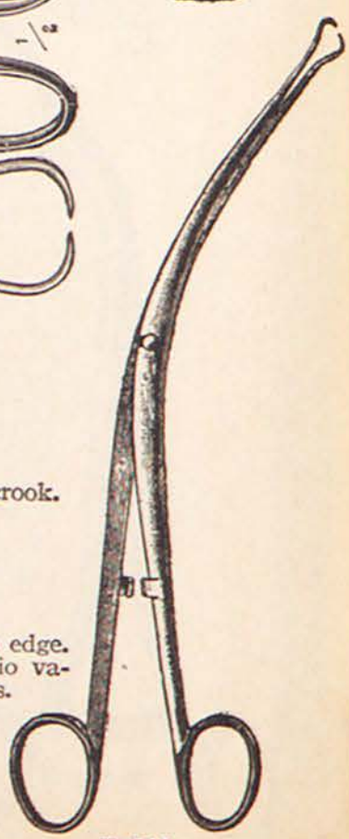
E-693

E-692



E-760

E-762



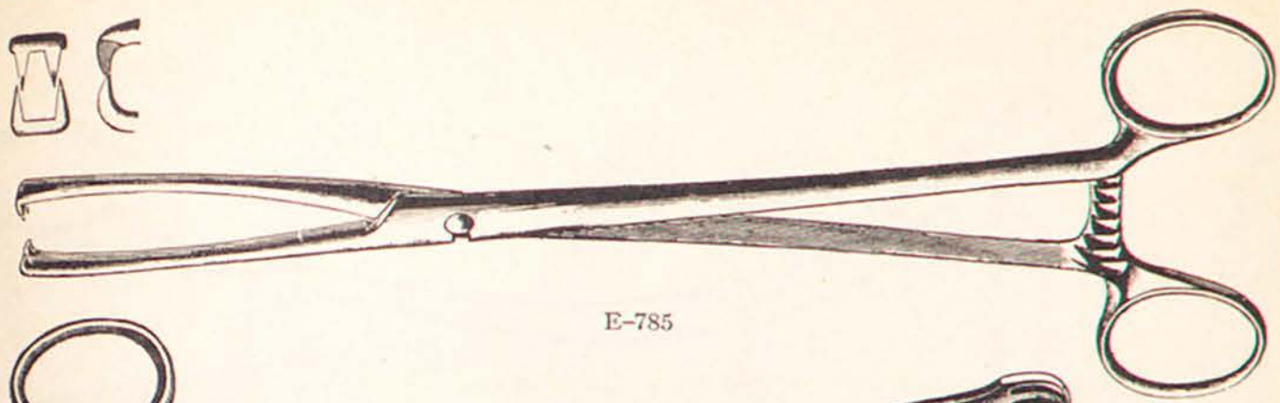
E-755

Uterine Tenacula

*E-690 **Emmet's,** angular, acute.
E-691 **Emmet's,** right angled.
E-692 **Emmet's,** round.
E-693 **Emmet's,** double angle.
E-695 **Kelly's.**
*E-696 **Kelly's,** shepherd crook.
E-700 **Sims'.**

Uterine Tenaculum Forceps

*E-710 **Barrett's,** straight, 7 inches.
*E-711 **Barrett's,** cross action, 7 inches.
E-715 **Braun's.**
*E-720 **Donoghue's.**
*E-725 **Duplay's.**
*E-730 **Goelet's,** angular.
*E-735 **Martin's.**
E-740 **Newman's.**
E-745 **Pozzi's.**
E-750 **Schroeder's.**
E-755 **Skene's,** curved on edge.
E-760 **Staude's,** for portio vaginalis, 5½ inches.
*E-761 **Staude-Moore's,** 6¼ inches, short hooks.
E-762 **Staude-Moore's,** 6¼ inches, long hooks.
*E-765 **Wylie's.**



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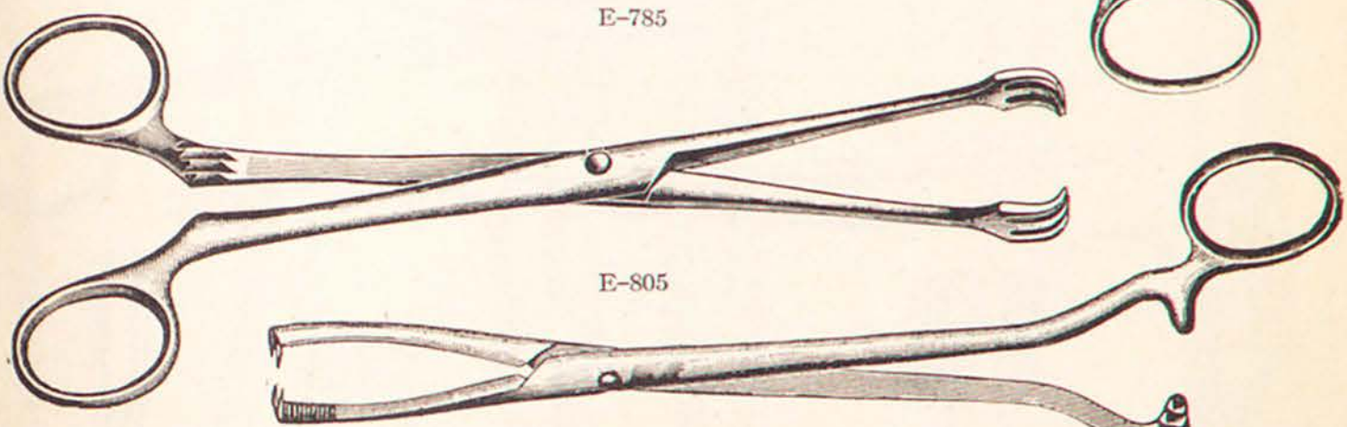

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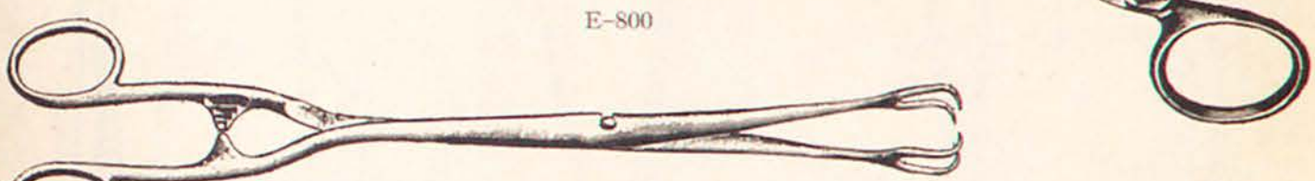
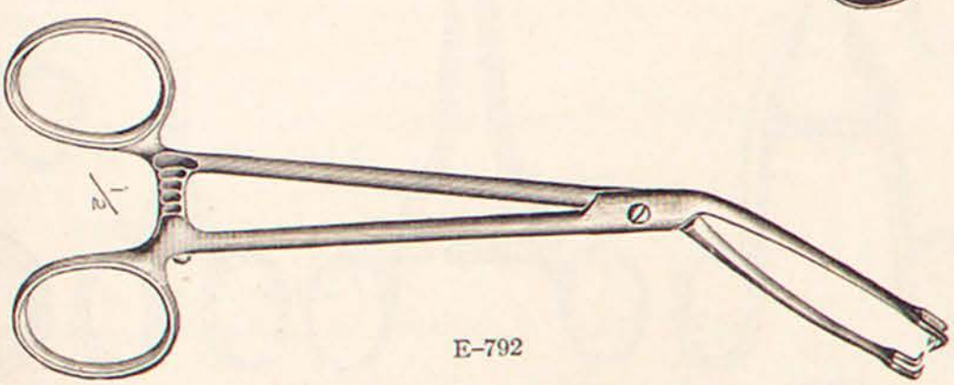


E–800

E–810



E–812



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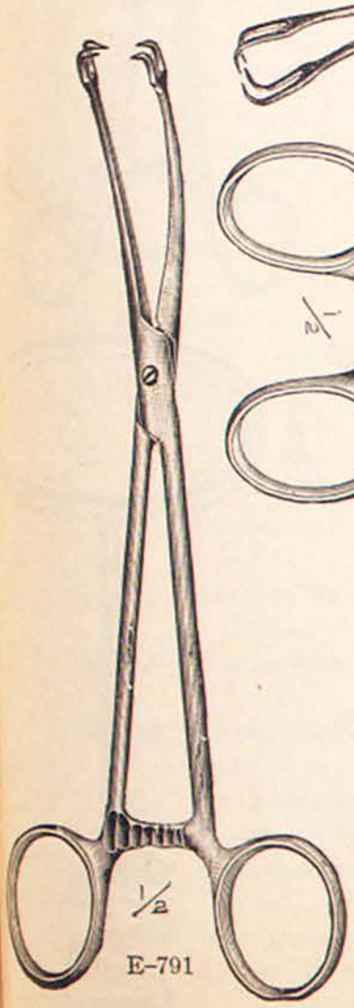
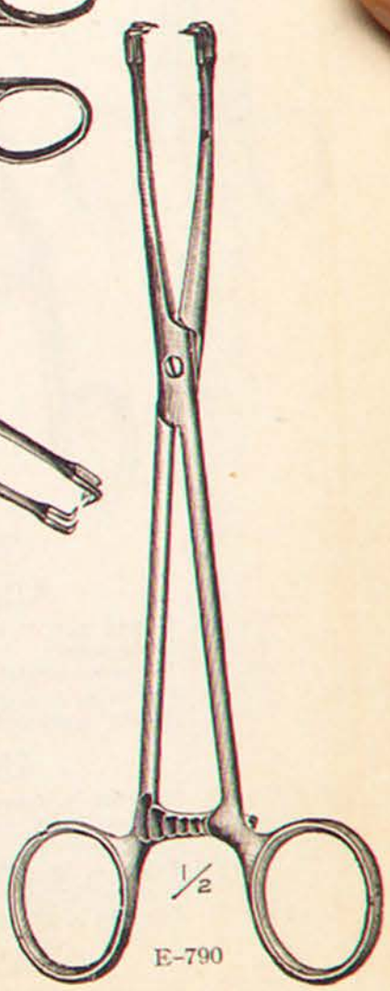


E–791

Uterine Vulsellum Forceps

*E–780 **Donoghue's,** small and large
E–785 **Doyen's,** 9½ inches
E–790 **Haslam's,** straight, 7 inches, 9 inches.
E–791 **Haslam's,** curved on flat, 7 inches, 9 inches.
E–792 **Haslam's,** curved on edge, 7 inches, 9 inches.
*E–795 **Henrotin's,** 8¼ inches.
E–800 **Jacob's,** 8¼ inches.
E–805 **Massachusetts General Hospital,** small and large.
E–810 **Schroeder's,** straight.
E–811 **Schroeder's,** curved on flat.
*E–812 **Schroeder's,** curved on edge.
E–815 **Skene's** (see page 324).



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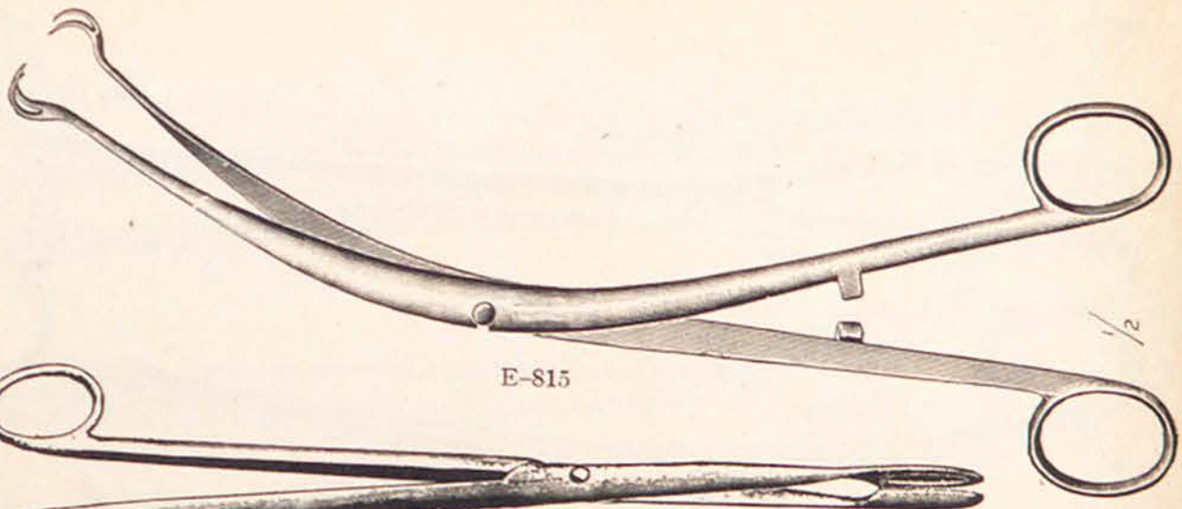
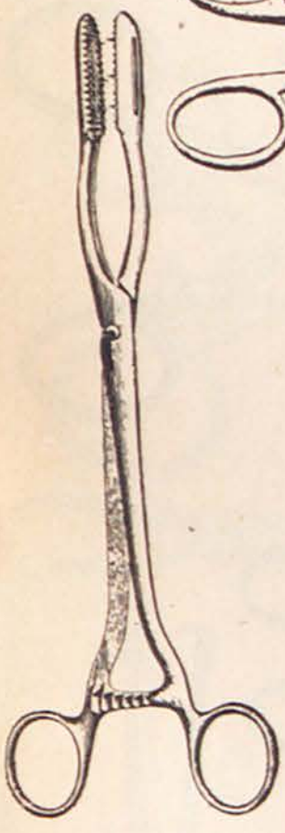


E-815

E-835



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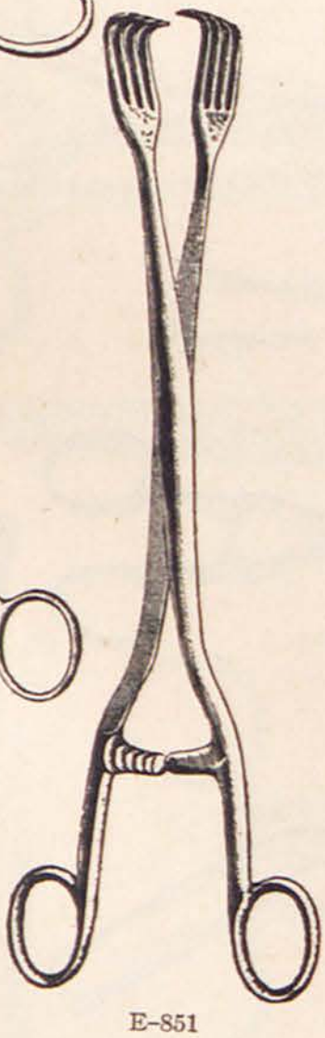

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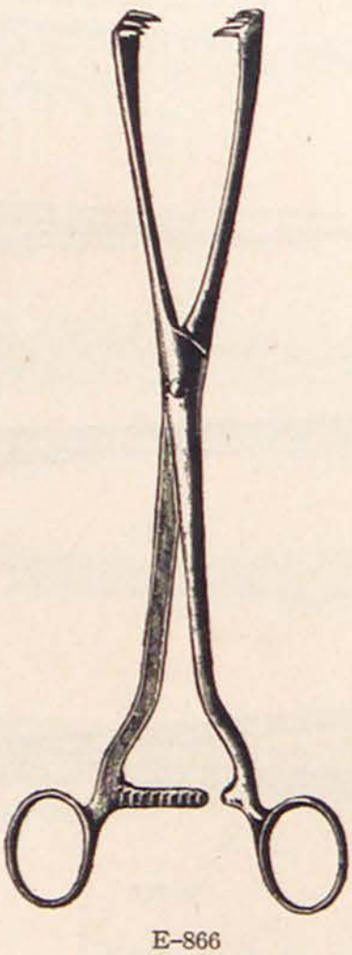

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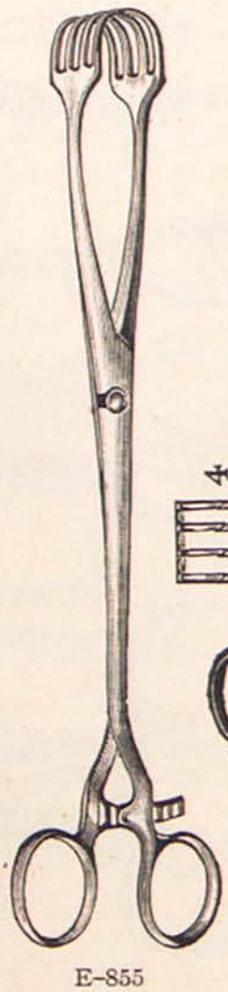

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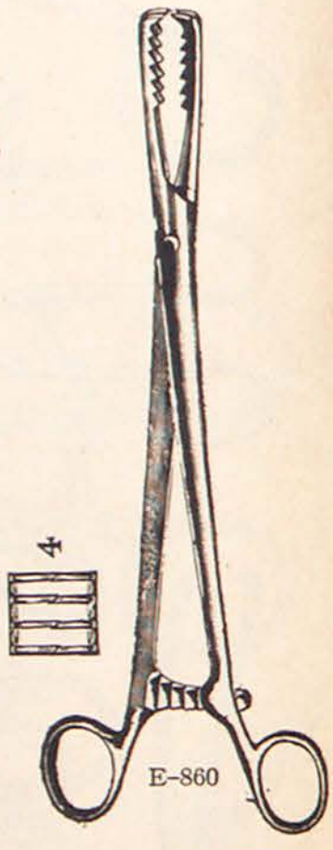

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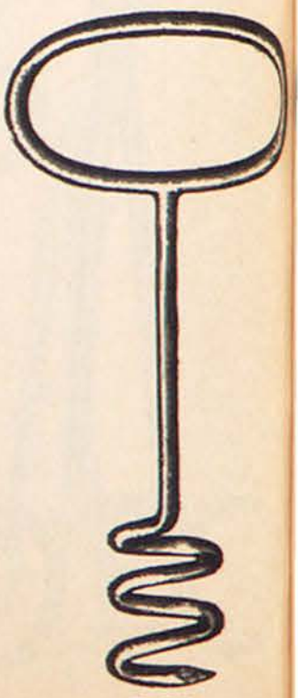


E-880

Uterine Polypus Forceps

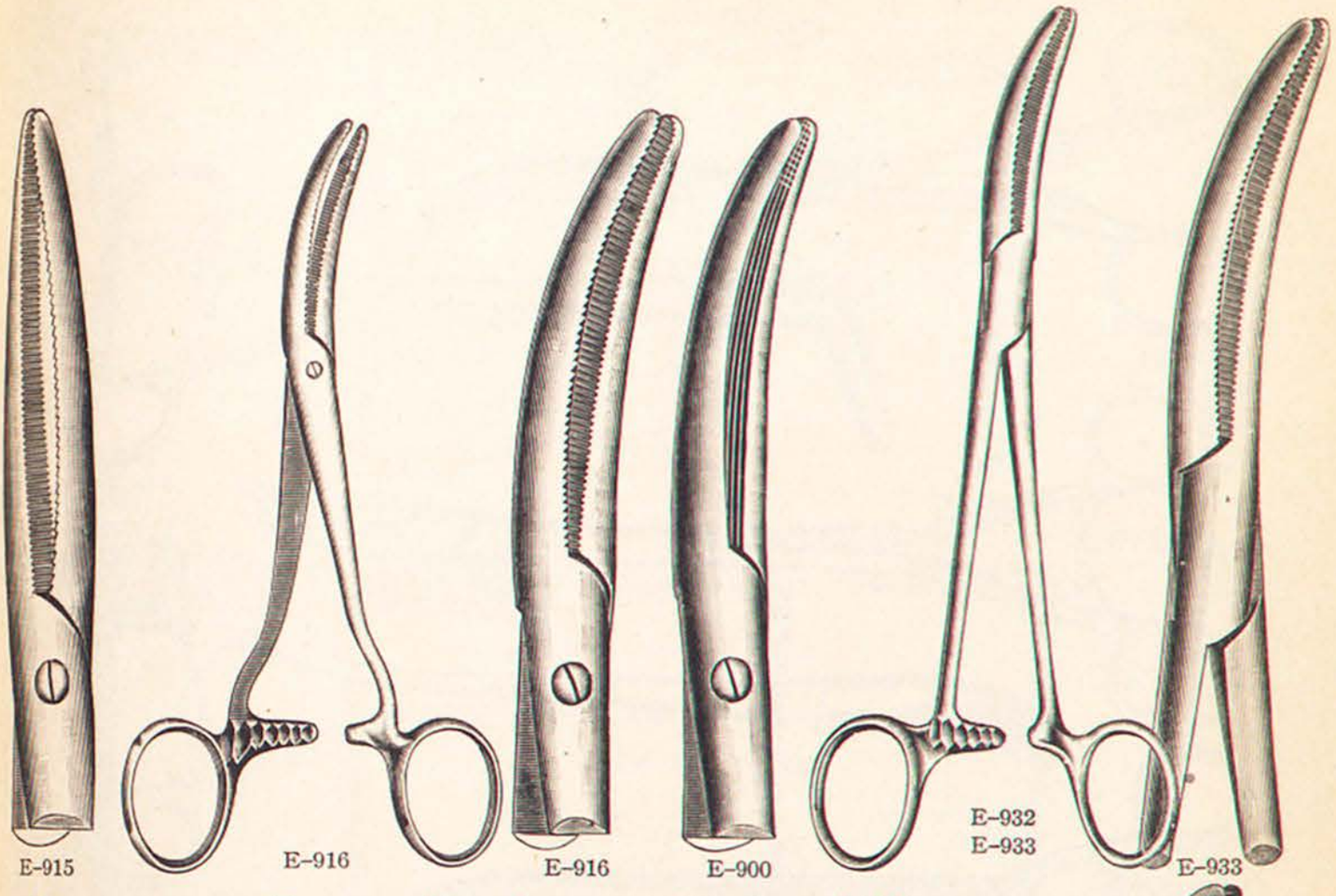
*E-825 **Doyen's,** cutting, 3 sizes.
*E-830 **Longyear's.**
E-835 **Maier's,** straight, plain.
*E-836 **Maier's,** straight, with catch.
*E-837 **Maier's,** curved, with catch.

Uterine Tumor Forceps

*E-850 **Billroth's,** 6 prong, 10½ inches, heavy.
E-851 **Billroth's,** 8 prong, 10½ inches, with catch.
E-855 **Donoghue's,** 8 prong, heavy.
E-860 **Pryor's,** morcellation.
E-865 **Segond's,** morcellation, oval form, with pronged jaw.
E-866 **Segond's,** grasping, 2, 3 and 4 teeth.

Uterine Tumor Screw

E-880 **Doyen's.**



Hysterectomy Forceps (See also pages 74, 80 and 81)

E-900 **Carmalt's,** 6¼ inches, 8 inches, screw joint.

*E-901 **Carmalt's,** mouse tooth, 6¼ inches, screw joint.

*E-905 **Ferguson's,** 6½ inches, 7½ inches, screw joint.

*E-906 **Ferguson's,** angiotriptic, straight, 6½ inches, 7½ inches, screw joint.

*E-907 **Ferguson's,** angiotriptic, curved, 6½ inches, 7½ inches, mortise joint.

*E-910 **Ochsner's,** 7½ inches, screw joint.

E-915 **Pean's,** straight, cross serrations, lengths, inches 7, 8, 8¾, 9½, 10¼ and 11.

E-916 **Pean's,** curved, cross serrations, lengths, inches, 7, 8, 8¾, 9½, 10¼ and 11.

E-917 **Pean's,** double curve, cross serrations, lengths, inches, 7, 8, 8¾, 9½, 10¼ and 11.

*E-920 **Rochester-Carmalt's,** 6¼ inches, 8 inches, screw joint.

*E-921 **Rochester-Carmalt's,** 6¼ inches, 8 inches, mortise joint.

*E-925 **Rochester-Ochsner's,** 6¼ inches, 7½ inches, screw joint.

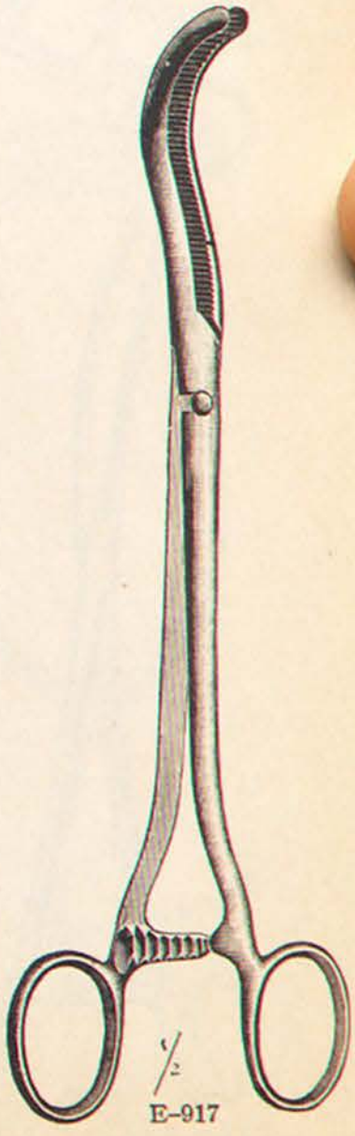
*E-926 **Rochester-Ochsner's,** 6¼ inches, 7½ inches, mortise joint.

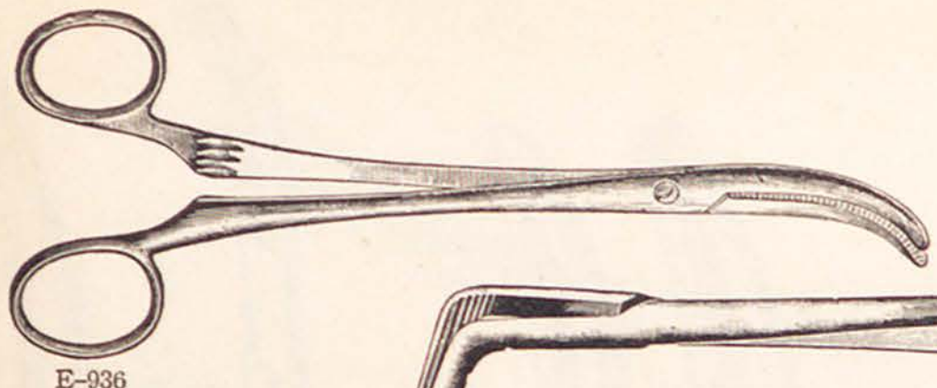
*E-930 **Rochester-Pean's,** straight, 6¼ inches, 8 inches, screw joint.

*E-931 **Rochester-Pean's,** straight, 6¼ inches, 8 inches, mortise joint.

E-932 **Rochester-Pean's,** curved, 6¼ inches, 8 inches, screw joint.

E-933 **Rochester-Pean's,** curved, 6½ inches, 8 inches, mortise joint.





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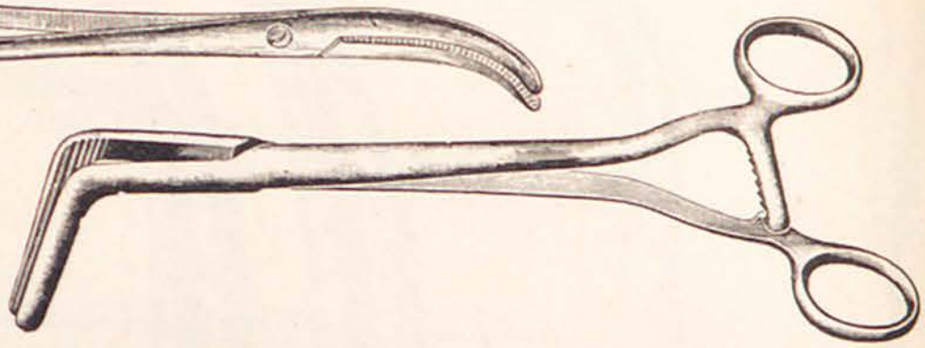

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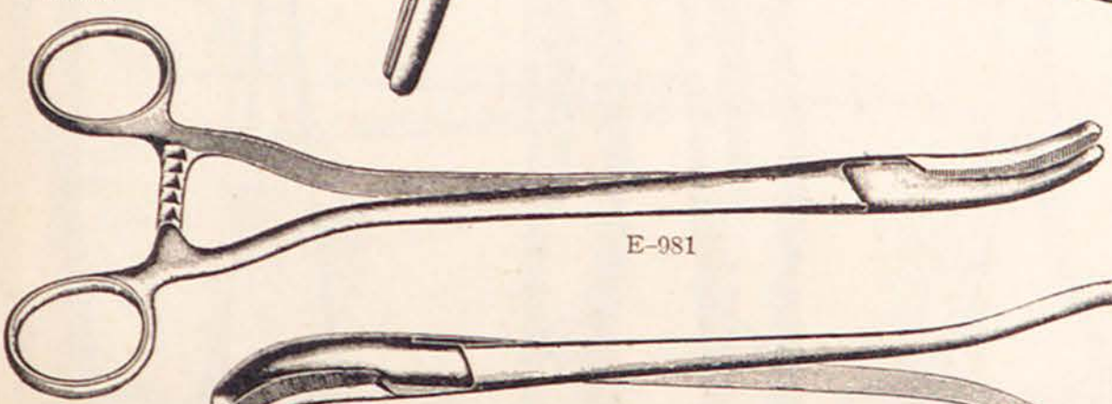
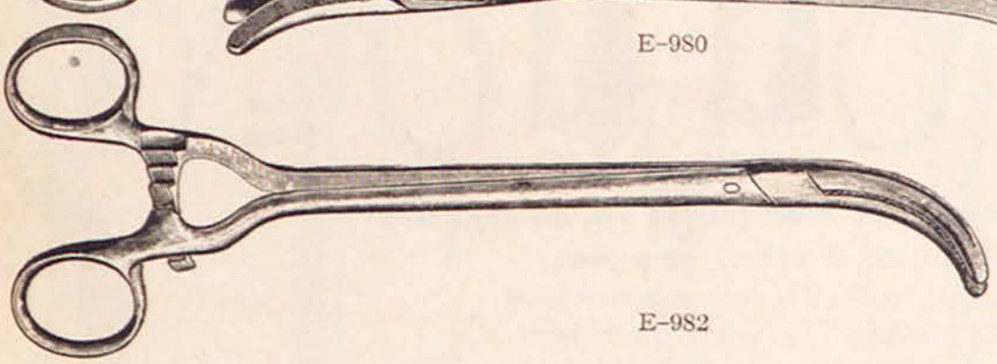


E-981

E-980



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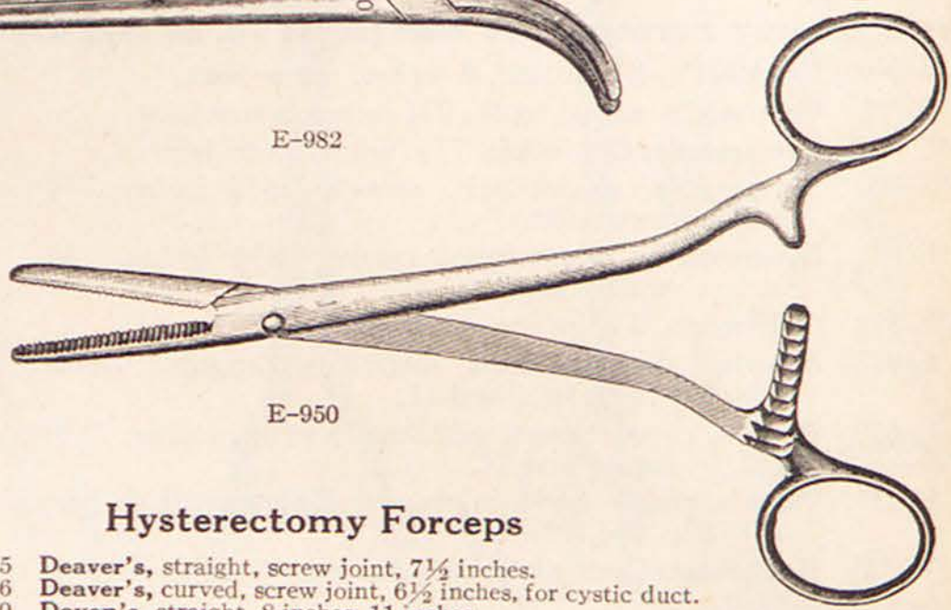
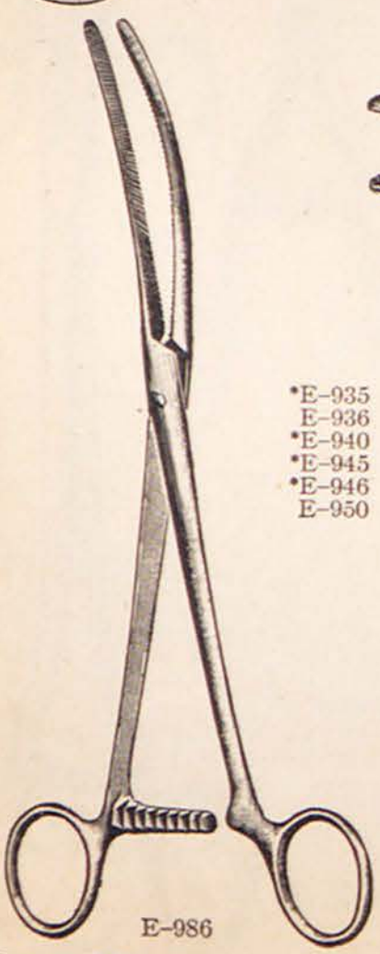


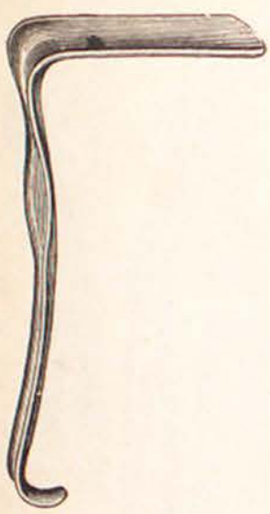
E-950



E-986

Hysterectomy Forceps

*E-935 **Deaver's,** straight, screw joint, 7½ inches.
E-936 **Deaver's,** curved, screw joint, 6½ inches, for cystic duct.
*E-940 **Doyen's,** straight, 8 inches, 11 inches.
*E-945 **Ethridge's,** straight, 8¼ inches.
*E-946 **Ethridge's,** curved, 8¼ inches.
E-950 **Jacob's,** straight, short jaw, cross serrations, 7¼ inches, 8 inches, 9¼ inches.
*E-955 **Leonard's,** curved on flat, light flexible blades.
*E-960 **Luer's,** straight, fenestrated jaw, 8 inches.
*E-961 **Luer's,** curved, fenestrated jaw, 8 inches,
*E-965 **Polk's,** straight, elastic blades.
*E-970 **Pryor's,** set of 6 forceps, with 1 pair of detachable handles.
*E-975 **Spencer-Wells',** pedicle, straight and curved.
*E-976 **Spencer-Wells',** pedicle, 45 degree and 90 degree angle.
*E-977 **Spencer-Wells',** pedicle, T shape.
E-980 **Wertheim's,** pedicle clamp.
E-981 **Wertheim's,** parametrium clamp.
E-982 **Wertheim's,** vaginal clamp.
E-983 **Wertheim-Cullen's,** angular jaw, pedicle.
*E-985 **Wright's,** straight, elastic blades.
E-986 **Wright's,** curved, elastic blades.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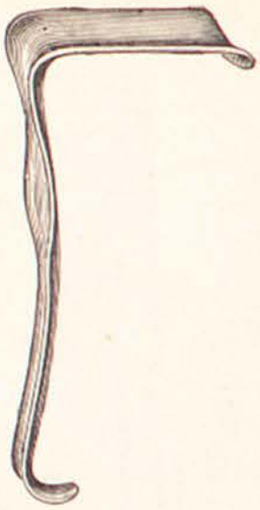
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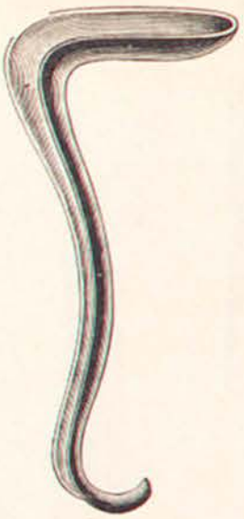
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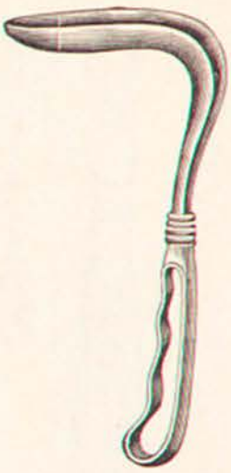
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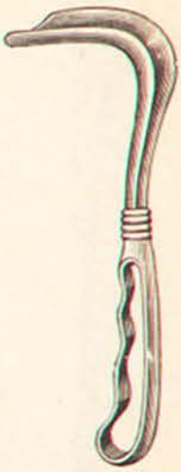
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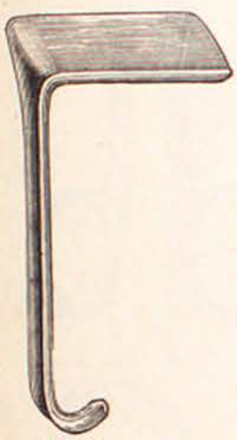
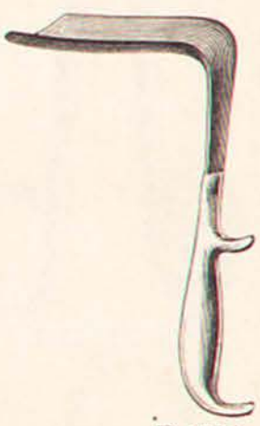

E-1046


E-1041


E-1036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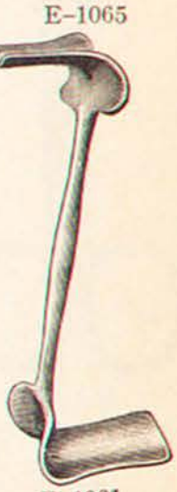
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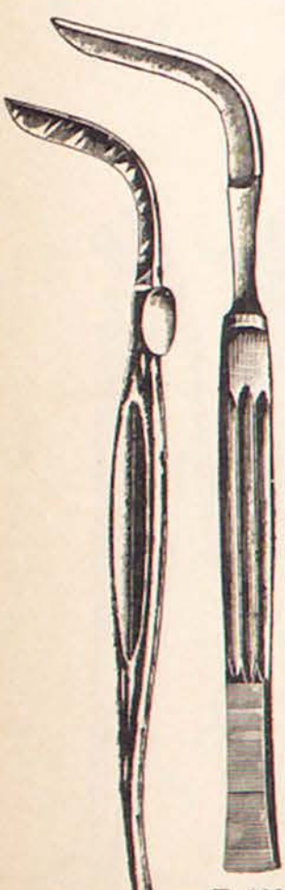
E-1015


E-1000

E-1020

Uterine Knives

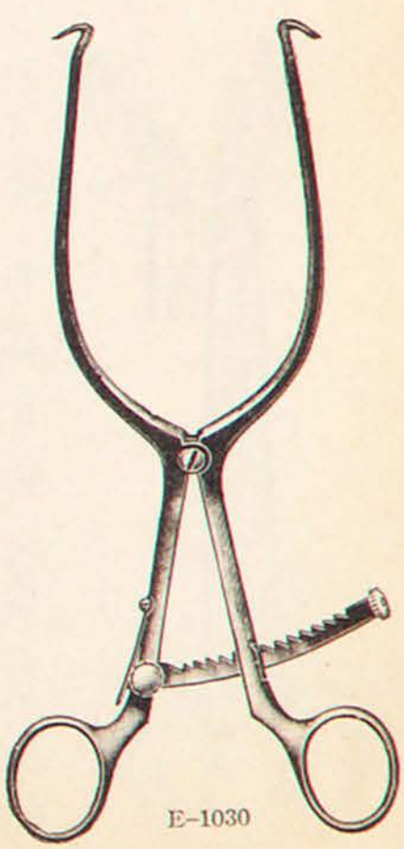
E-1000 **Barrett's,** trachelorraphy.
*E-1005 **Buttle's,** scarifier.
*E-1010 **Cole's,** hysterectomy knife and spud.
E-1015 **Kelly's,** vesico vaginal fistula.
*E-1016 **Kelly's,** for depleting the cervix.
E-1020 **Newman's,** trachelorraphy.
*E-1025 **Pryor's,** for splitting the uterus.

Perineal Retractors

E-1030 **Doyen-Gelpi's** (see also page 97).

Vaginal Retractors

E-1035 **Doyen's,** 6 sizes, 2⅜ x 2⅜ inches, 2⅜ x 4 inches, 2⅜ x 4¾ inches, 1¾ x 2⅜ inches, 1¾ x 4 inches, 1¾ x 4¾ inches
E-1036 **Doyen-Kelly's,** 6 sizes, same dimensions as E-1035.
E-1040 **Eastman's,** 6 sizes, 1⅜x2½ inches, 1⅜x 3 inches, 1⅜ x 3½ inches, 1½ x 2½ inches, 1½ x 3 inches, 1½ x 3½ inches.
E-1041 **Eastman's,** heavy, same dimensions as E-1040.
E-1045 **Jackson's,** 6 sizes, 1⅜ x 3 inches, 1⅜ x 3½ inches, 1⅜ x 4 inches, 1½ x 3 inches, 1½ x 3½ inches, 1½ x 4 inches
E-1046 **Jackson's,** heavy, 6 sizes, same dimensions as E-1045.
*E-1050 **Kelly's,** anterior vaginal.
E-1055 **Kelly-Sims',** 3 sizes.
*E-1060 **Martin's,** single.
E-1061 **Martin's,** double.
E-1065 **Pilling's,** 6 sizes, 2 x 1 1/16 inches, 2 x 1 3/32 inches, 3 x 1¼ inches, 3 x 1½ inches, 3 x 1 7/16 inches, 3½ x 1 11/16 inches.
*E-1070 **Pryor's,** grooved.
*E-1071 **Pryor-Pean's.**
*E-1072 **Pryor's,** trowel pattern.
E-1075 **Sims',** 3 sizes.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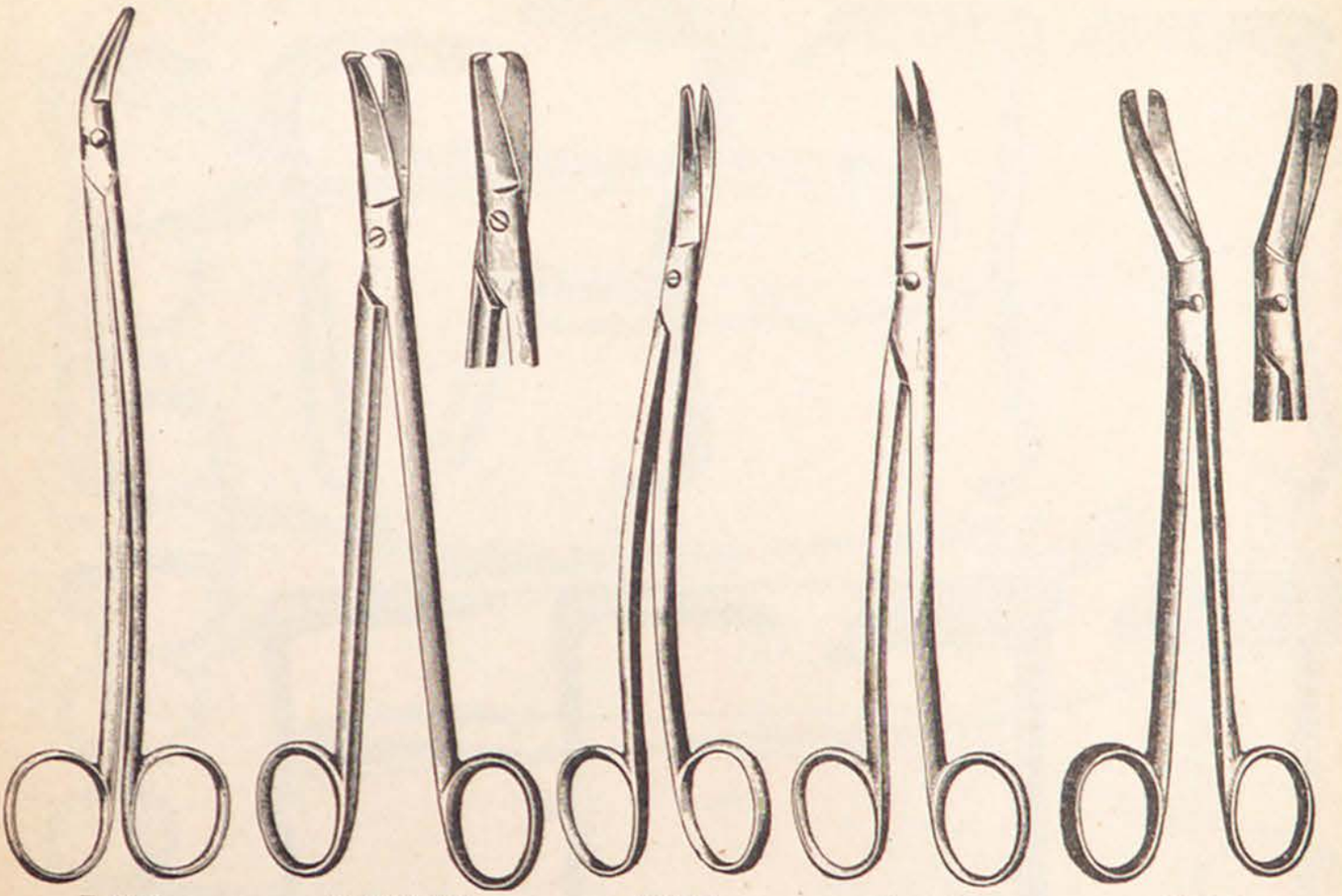
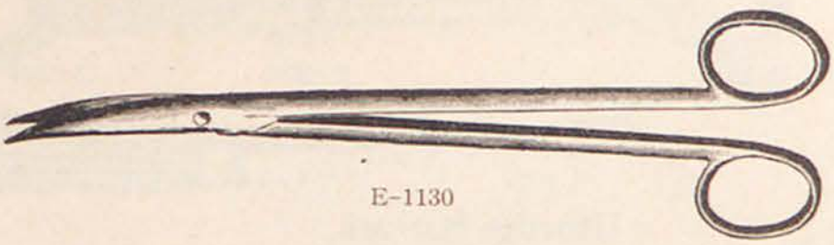
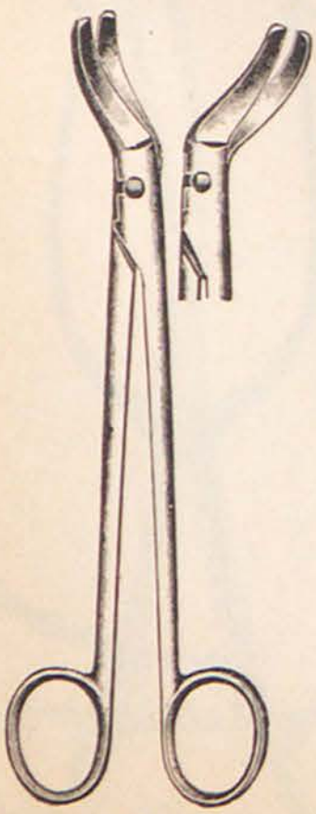


E–1105 E–1110-1111 E–1115 E–1116 E–1121



E–1130



E–1122

Uterine Scissors

*E–1100 Angular, 2 points sharp, 8 inches.

E–1105 **Bozeman's,** double, curved, 7 inches.

E–1110 **Dawson's,** straight, tenaculum points.

E–1111 **Dawson's,** curved on flat, tenaculum points.

E–1115 **Dunsmore's,** original pattern, 7½ inches.

E–1116 **Dunsmore's,** latest pattern, 7½ inches.

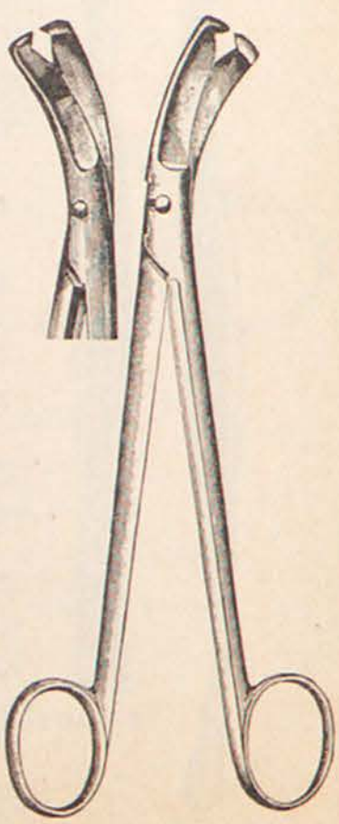
*E–1120 **Emmet's,** angular bent.

E–1121 **Emmet's,** lesser curved, right and left.

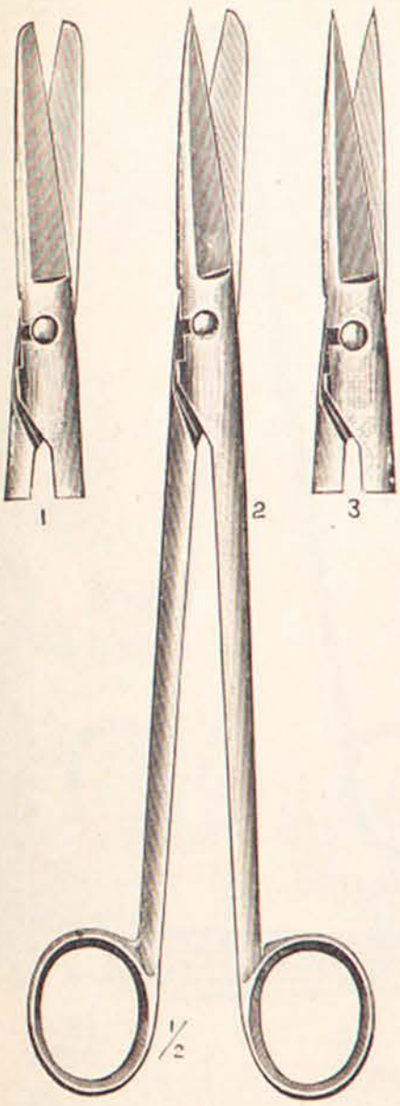
E–1122 **Emmet's,** full curved, right and left.

E–1125 **Hank's,** trachelorraphy, right and left.

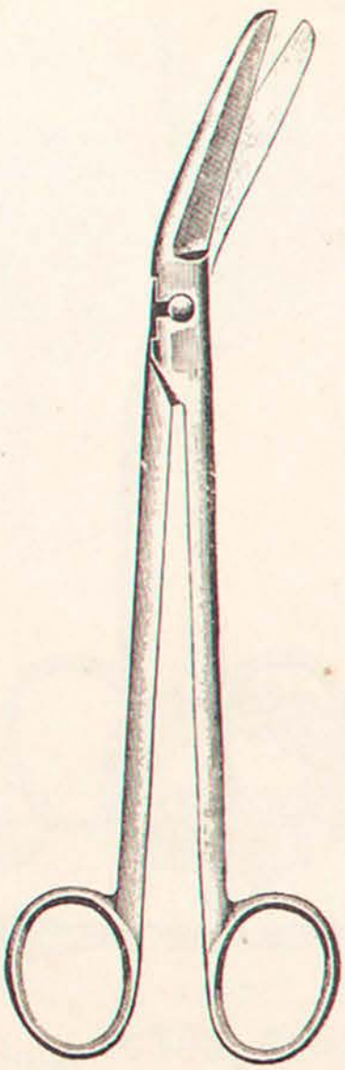
E–1130 **Jenks',** curved on flat, perineal.



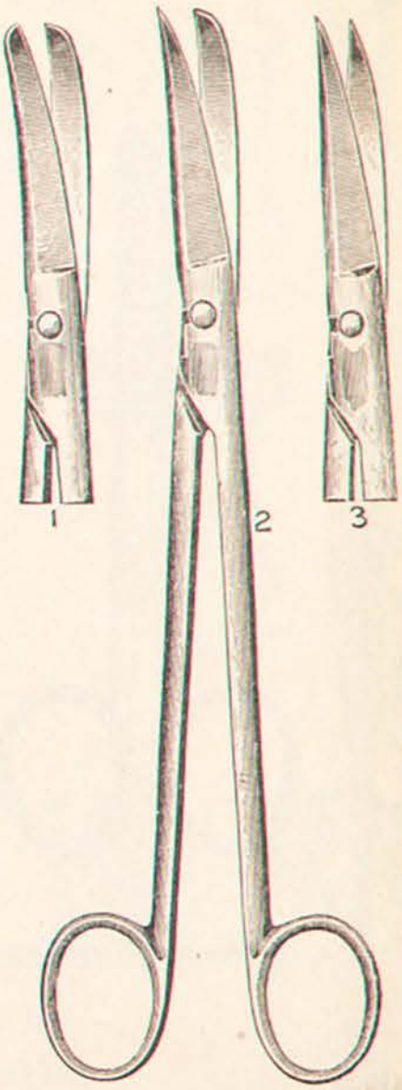
E–1125



E-1145



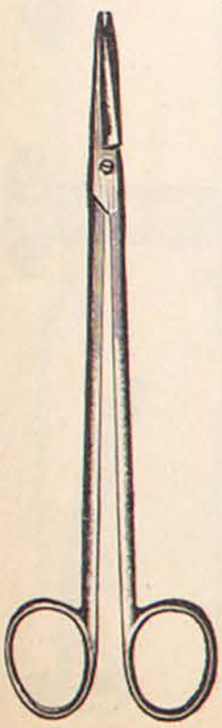
E-1142



E-1147



E-1160

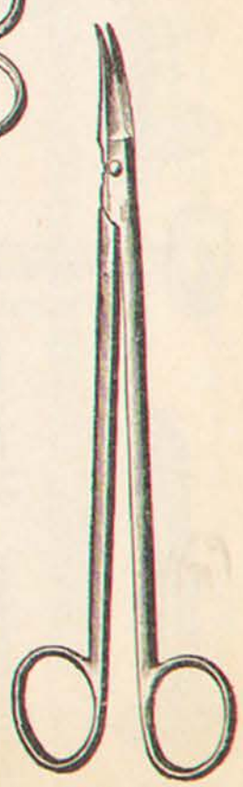


E-1135

Uterine Scissors (Continued)

E-1135 **Kelly's,** straight, vesico vaginal fistula, 6¼ inches.
E-1136 **Kelly's,** curved on flat, vesico vaginal fistula, 6¼ inches.
*E-1140 **Sims',** bent on flat, probe pointed.
*E-1141 **Sims',** bent on flat, blunt pointed, 7¼ inches.
E-1142 **Sims',** bent on edge, blunt pointed, 8 inches.
*E-1143 **Sims',** curved on flat, serrated edges, 8 inches.
*E-1144 **Sims',** straight, serrated edges, 8 inches.
E-1145 **Sims',** straight, 8 inches.
*E-1146 **Sims',** straight, one probe point, 8 inches.
E-1147 **Sims',** curved on flat, 8 inches.
*E-1148 **Sims',** straight, heavy, 8 inches.
*E-1149 **Sims',** curved on flat, heavy, 8 inches.
*E-1155 **Skene's,** hawk bill, improved pattern.
E-1160 **Wood's,** blade angled on flat, curved handles, 7 inches.

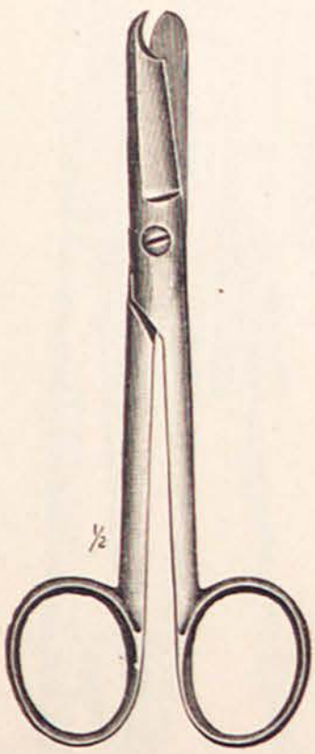
Note—In ordering uterine scissors please be careful to specify the points wanted, No. 1, No. 2, or No. 3.



E-1136



E-1201



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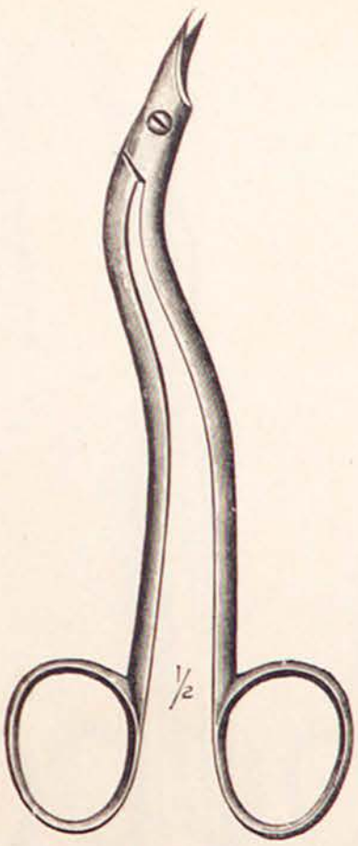

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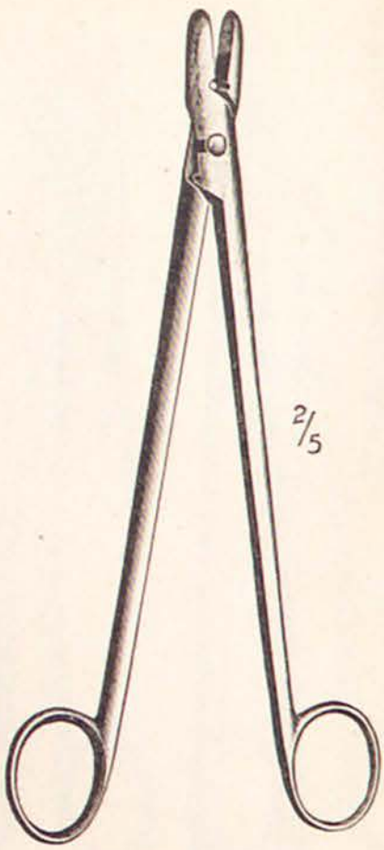


E-1225



E-1216



E-1200



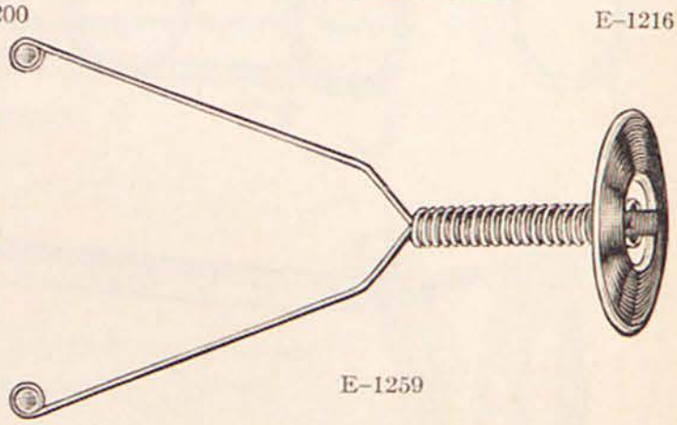
E-1250



E-1257



E-1251



E-1259



E-1255

Uterine Suture Instruments

E-1200 **Emmet's** Counter Pressure Hook.
E-1201 **Emmet's** Wire Twisting Forceps.
E-1205 **Littauer's** Suture Scissors, 8 inches.
E-1210 **Heath's** Suture Scissors.
*E-1215 **Sims'** Counter Pressure Hook.
E-1216 **Sims'** Perforated Shot Adjuster.
*E-1217 **Sims'** Pulley.
*E-1220 **Smith's** Suture Scissors.



E-1265



E-1270

Pessaries, Stem

E-1225 **Thomas'** Shot Compressor.
E-1250 Aluminum, plain, 5 sizes and extra large.
E-1251 Aluminum, corrugated, 5 sizes and extra large.
*E-1252 Aluminum, plain, set of 5 with introducer.
E-1255 **Chambers',** self retaining, hard rubber or metal.
E-1257 **Ferguson's,** wire, aluminum, and silver, 3 sizes.
E-1259 Ideal, gold, small and large.
*E-1260 **Outerbridge's,** set of 6, with introducer.
*E-1261 **Outerbridge's,** dilators only, 3 sizes, straight and curved
E-1263 Plain, hard rubber, straight and curved.
E-1265 **Thomas',** glass, straight and curved.
E-1270 **Wylie's,** hard rubber.

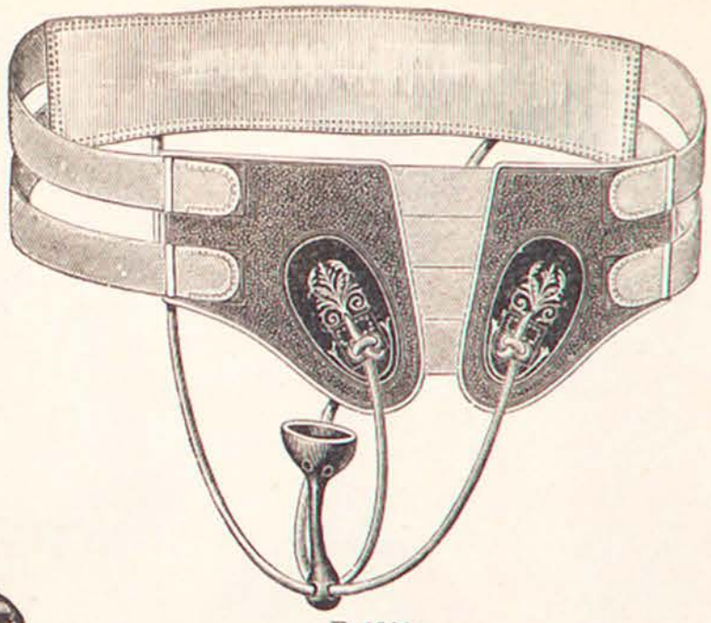


E-1263

Introducers for Stem Pessaries (see next page)



E–1310



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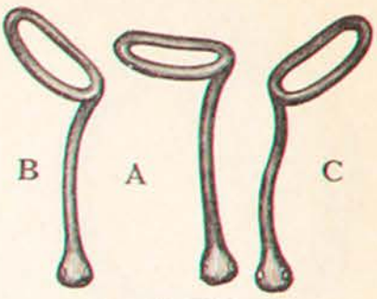

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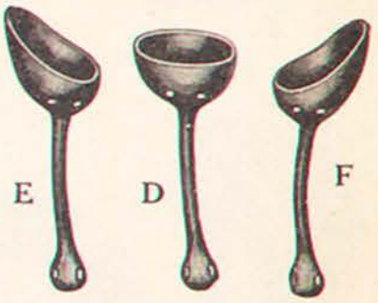
E–1305



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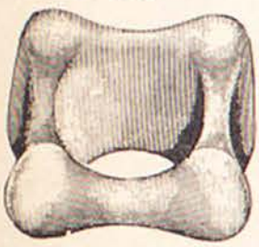


E–1315



E–1316



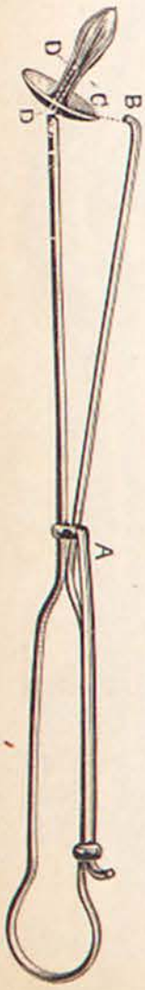
E–1325



E–1330



E–1335



E–1282



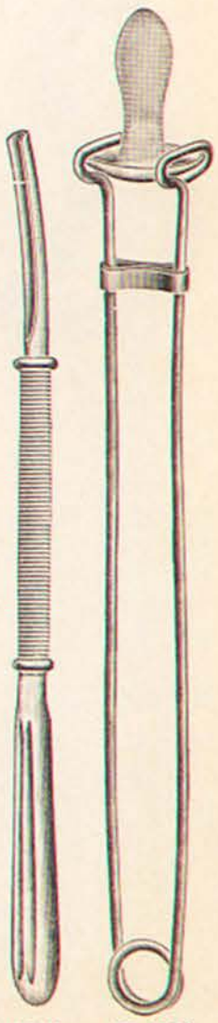
E–1280

Introducers for Stem Pessaries

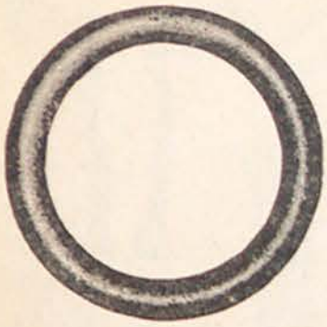
E–1280 Introducer, with slide, for aluminum stem pessaries.
E–1281 Introducer, **Pulaski,** now made with metal slide to make it self-holding.
E–1282 Introducer, **Robertson's.**
E–1283 Introducer, for **Chamber's** stem pessary.

Pessaries

*E–1290 Bow, 7 sizes, retroversion.
*E–1295 **Clayton's,** celluloid, flesh color, 60 to 100 mm. in diameter, 5 sizes.
*E–1300 **Cutter-Thomas',** with belt, for prolapsus.
*E–1301 **Cutter-Thomas',** with belt, for anteversion.
*E–1302 **Cutter-Thomas',** with belt, for retroversion.
E–1305 **Fowler's,** retroversion, plain.
*E–1306 **Fowler's,** retroversion, with bow.
E–1310 **Hodge's,** 6 sizes.
E–1315 **Hoffman's,** soft rubber, 5 sizes.
E–1316 **Hoffman's,** soft rubber,with sac, 1 size only.
E–1320 **McIntosh's,** with belt, for prolapsus.
E–1321 **McIntosh** cups, hard rubber, D prolapsus, E anteversion: F retroversion.
E–1322 **McIntosh** rings, hard rubber, A prolapsus, B anteversion, C retroversion.
E–1325 **Menges,** with detachable stem, 50, 55, 60, 65, 70, 75, 80, 85 and 90 mm.
E–1330 Pear shape, soft rubber, for prolapsus.
E–1335 Ring, soft rubber, inflated, 4 sizes.



E–1283 E–1281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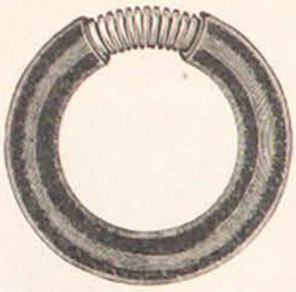
E–1340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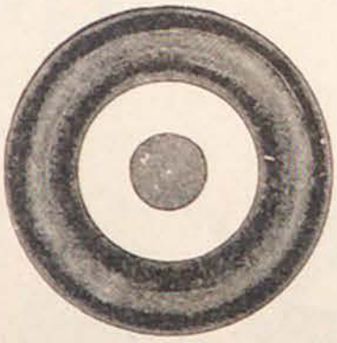
E–1353


E–1345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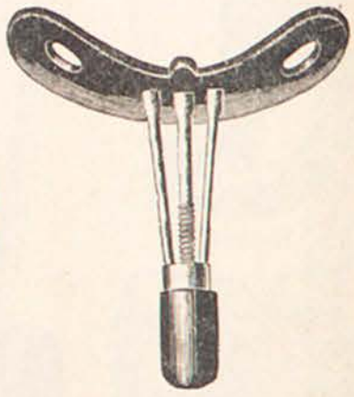
E–1432


E–1359


E–1350


E–1351

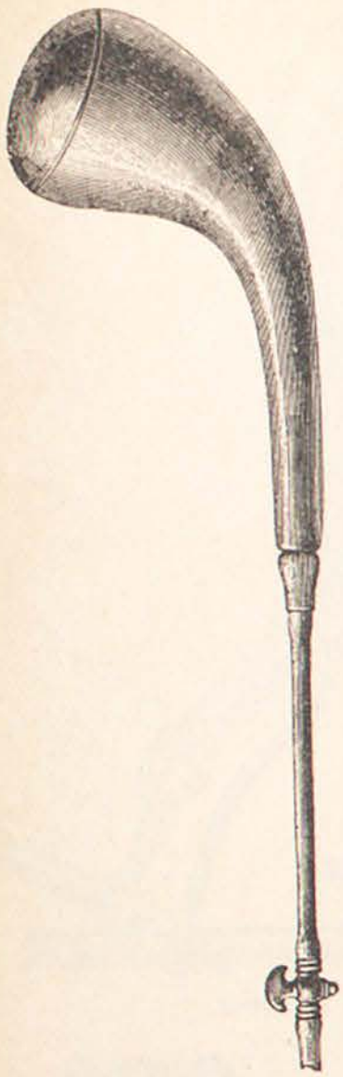

E–1357


E–1358

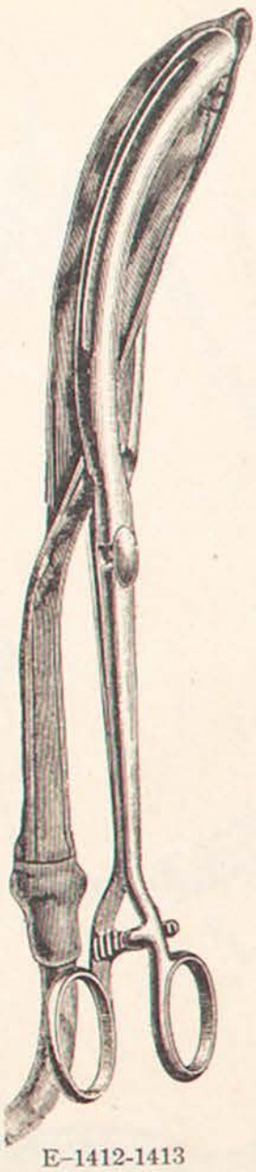

E–1355

Pessaries

E–1337 Ring, soft rubber, with spiral spring.
E–1338 Ring, soft rubber, with copper wire insertion.
E–1339 Ring, thin, hard rubber, 9 sizes, 2 to 4 inches, in ¼ inches.
E–1340 Ring, hard rubber, concave, 9 sizes, 60 to 90 mm., in 5 mm.
E–1341 Ring, **Meyer's,** solid Para rubber, 55 to 75 mm.; 80 mm.; 85 and 90 min; 95 mm. 100 mm.
E–1342 Ring, **Meyer's,** hollow Para rubber, 55 to 75 mm.; 80 mm.; 85 and 90 mm. 95 mm. 100 mm.
E–1345 **Skene's** Cystocele, hard rubber, 2 sizes.
E–1350 **Smith's,** hard rubber, retroversion, 7 sizes.
E–1351 **Smith's,** soft rubber, elastic.
*E–1352 Spherical, glass, 1½ to 4 inches diameter.
E–1353 Spherical, hard rubber, 4 sizes.
E–1355 **Thomas',** hard rubber, anteversion.
E–1357 **Thomas-Smith's,** hard rubber, retroflexion.
E–1358 **Thomas-Smith's,** soft rubber, elastic, retroflexion.
E–1359 **Zwank's,** hard rubber, with metal stems.



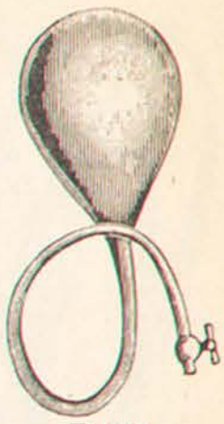
E–1410-1411



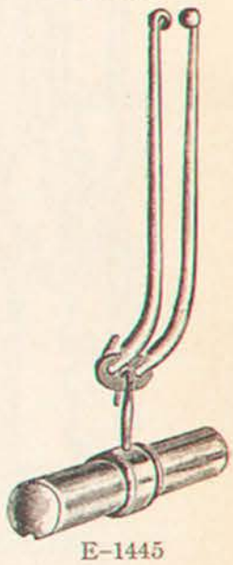
E–1412-1413



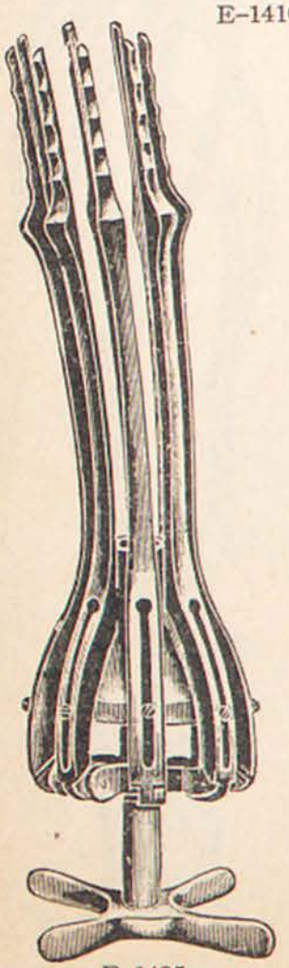
E–1400



E–1405



E–1445



E–1435

Obstetric Colpeurynters

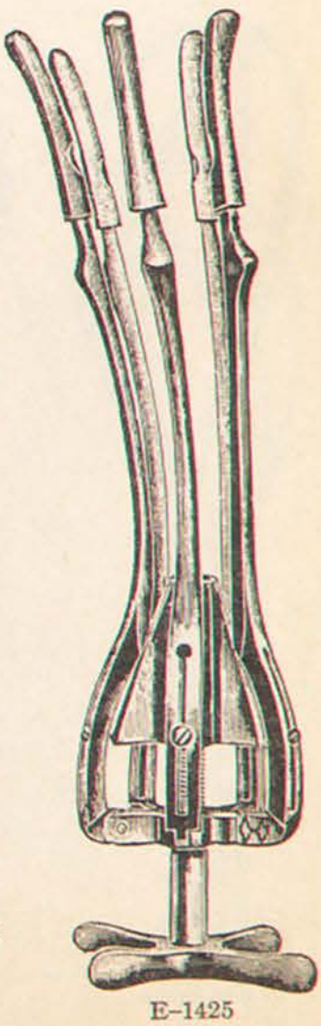
E–1400 **Barnes',** soft rubber, 3 sizes, in set. Stop cock, extra.
E–1405 **Braun's,** soft rubber, with stop cock.
E–1410 **Champetier de Ribes,** large pattern, with stop cock, 3 sizes.
E–1411 **Champetier de Ribes,** small pattern, no stop cock, 3 sizes.
E–1412 Forceps, for introducing, large pattern.
E–1413 Forceps, for introducing, small pattern.
*E–1415 **Voorhees',** pear shaped, set of 6 sizes.

Obstetric Dilators

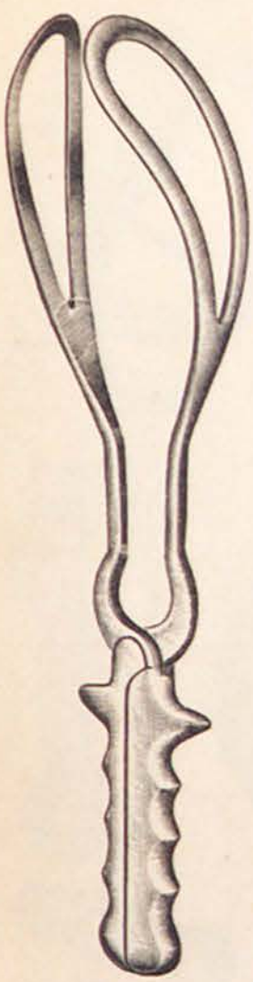
*E–1420 **Bossi's, Aesculapius** modification.
*E–1421 **Bossi-Marelli's,** 4 bladed.
E–1425 **Higgins',** 5 blades.
*E–1430 **Leavitt's,** double ended, short broad blades for obstetric work, long slender blades for gynecic work.
E–1435 **Mundus,** heavy.

Obstetric Forceps Traction Hooks

*E–1440 McClintock's, bar.
E–1445 Reynold's, hooks.



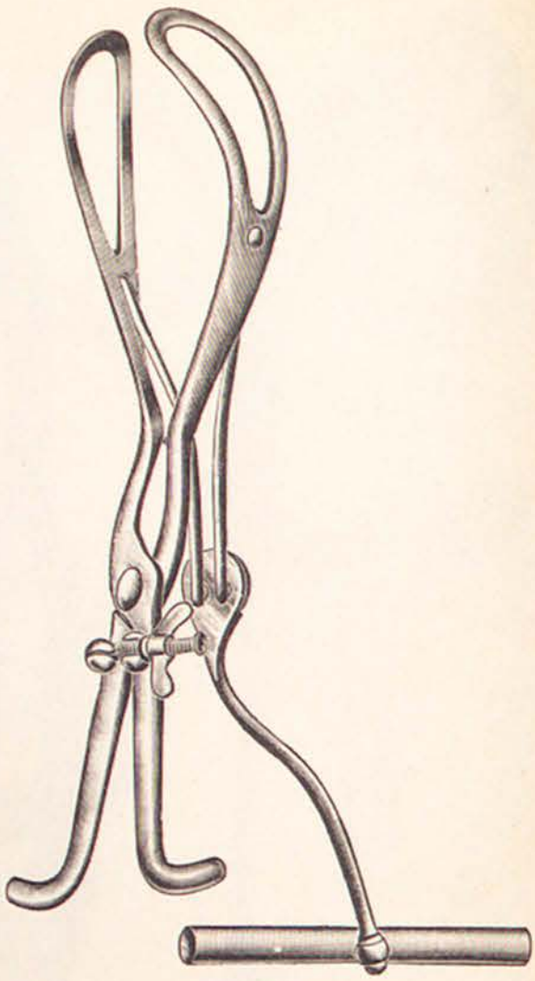
E–1425



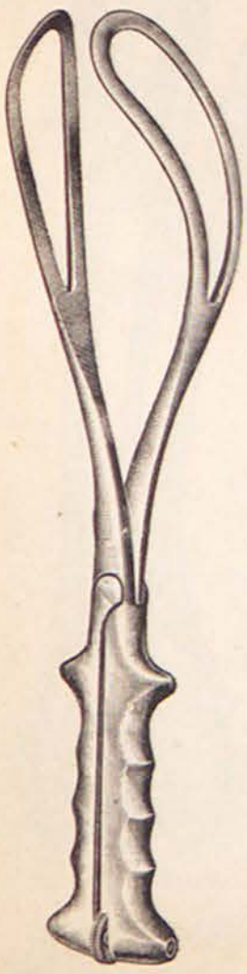
E–1470



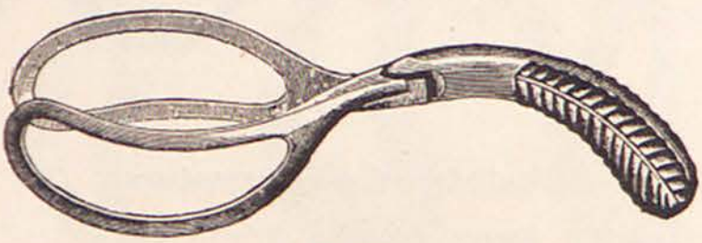
E–1482



E–1510



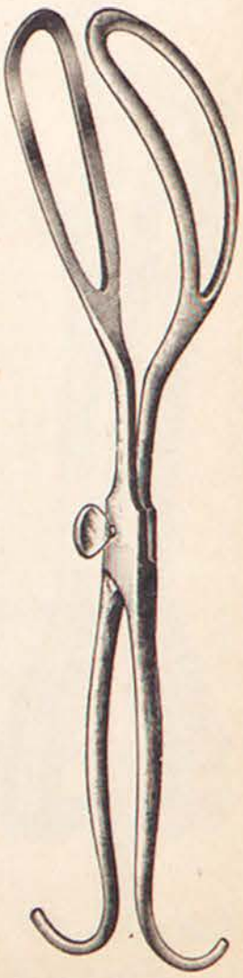
E–1485-1486



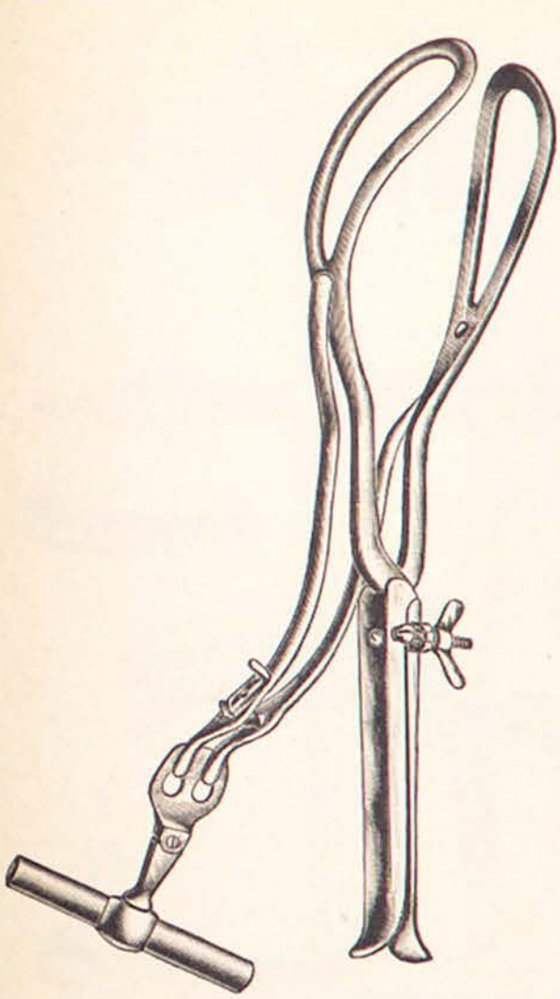
E–1496

Obstetric Forceps

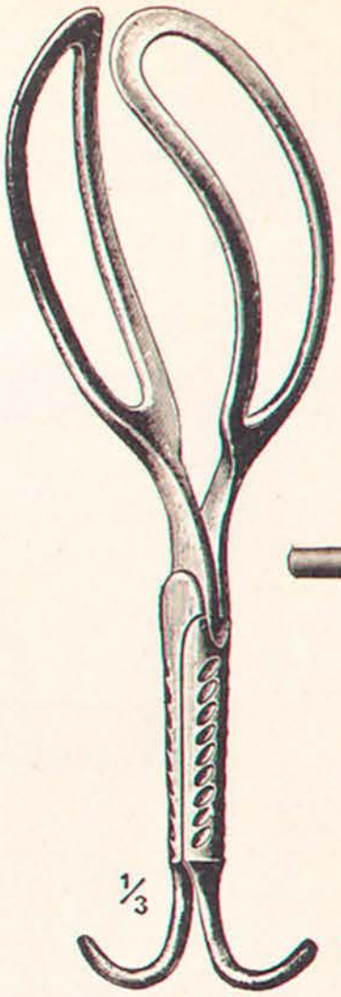
E–1470 **Barnes-Simpson's,** long.
*E–1475 **Boisliniere's** (St. Louis), long.
*E–1480 **Braun's,** modified Simpson, long.
E–1482 **Dewees',** axis traction, genuine.
E–1485 **Elliott's,** long.
E–1486 **Elliott's,** short.
*E–1490 **Felsenreich's,** axis traction, long.
*E–1495 **Hale's,** long.
E–1496 **Hale's,** short.
*E–1500 **Higgins',** axis traction, complete with rod, long.
E–1505 **Hodges',** long.
E–1510 **Jewett's,** axis traction.



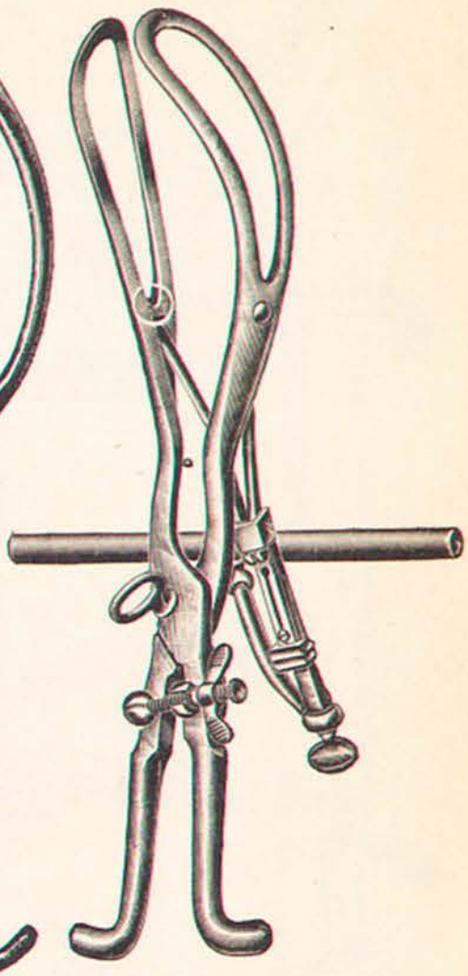
E–1505



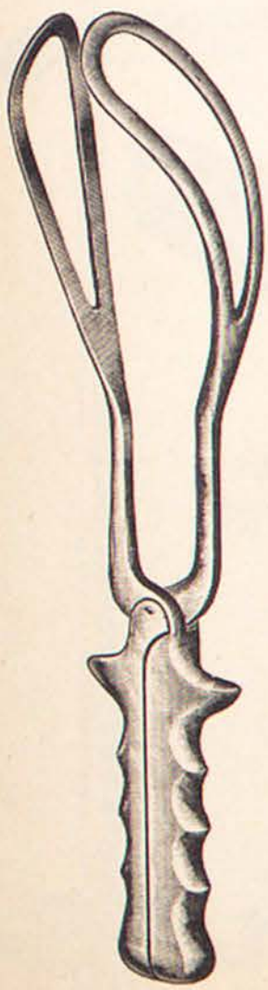
E–1530



E–1535



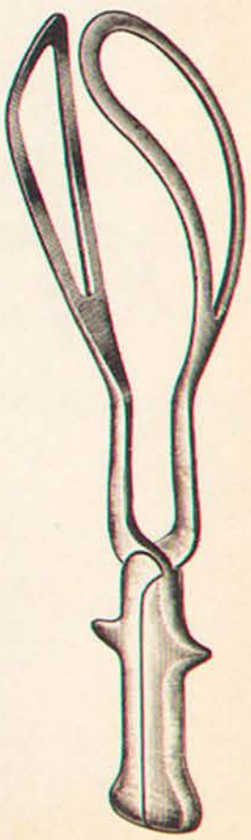
E–1545



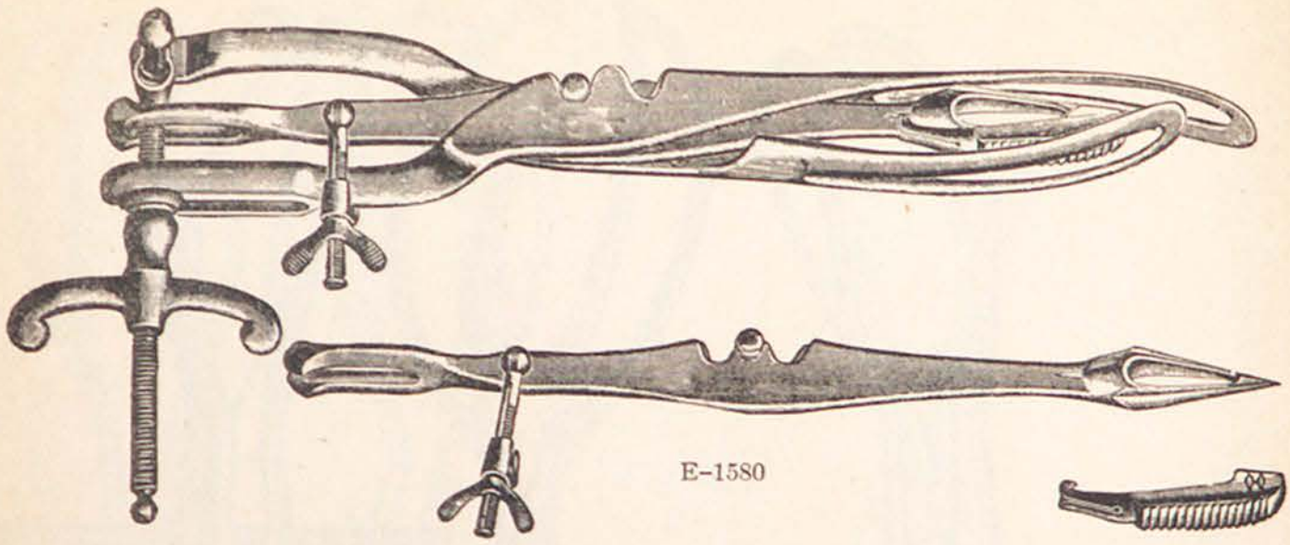
E–1540

Obstetric Forceps (continued)

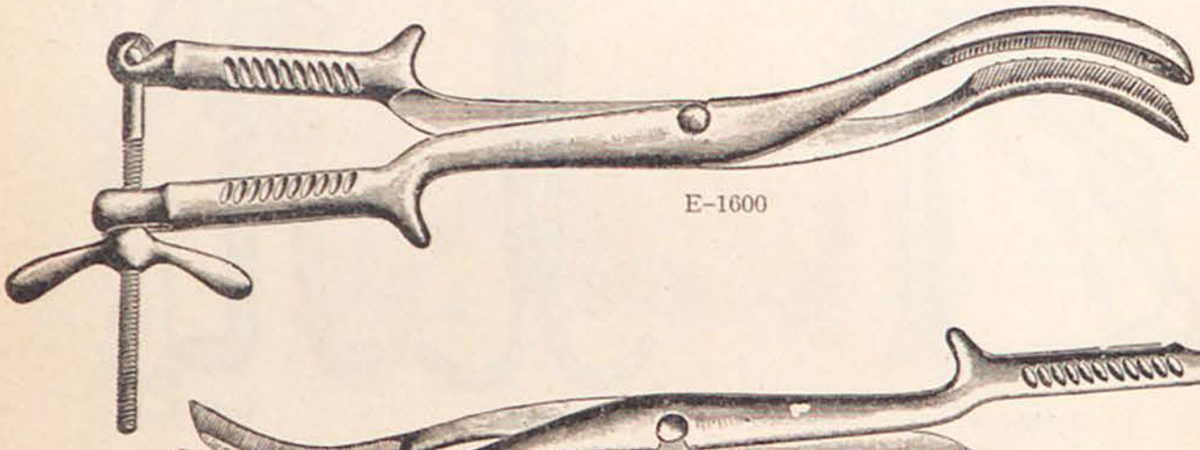
*E–1515 **Leavitt's,** long.
*E–1520 **Lusk's,** axis traction, long.
*E–1525 **McLean's,** long, solid blade.
E–1530 **Milne-Murray's,** axis traction.
E–1535 **Sawyer's,** short.
E–1540 **Simpson's,** long.
E–1541 **Simpson's,** short.
E–1545 **Tarnier's,** axis traction.
*E–1550 **Wallace's,** long.
*E–1555 **Webster's,** modification of **Milne-Murray's,** axis traction.
*E–1560 **Willis',** axis traction.



E–1541

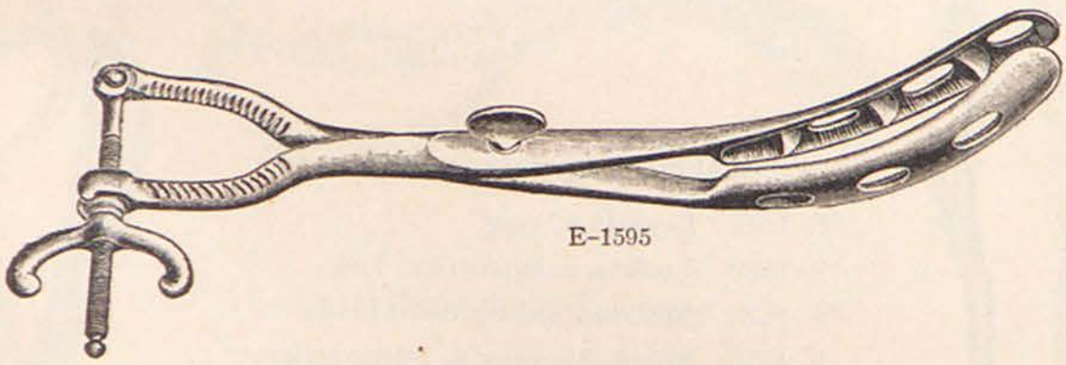


E-1580



E-1600

E-1605



E-1595

Obstetric Instruments

Basiotribes

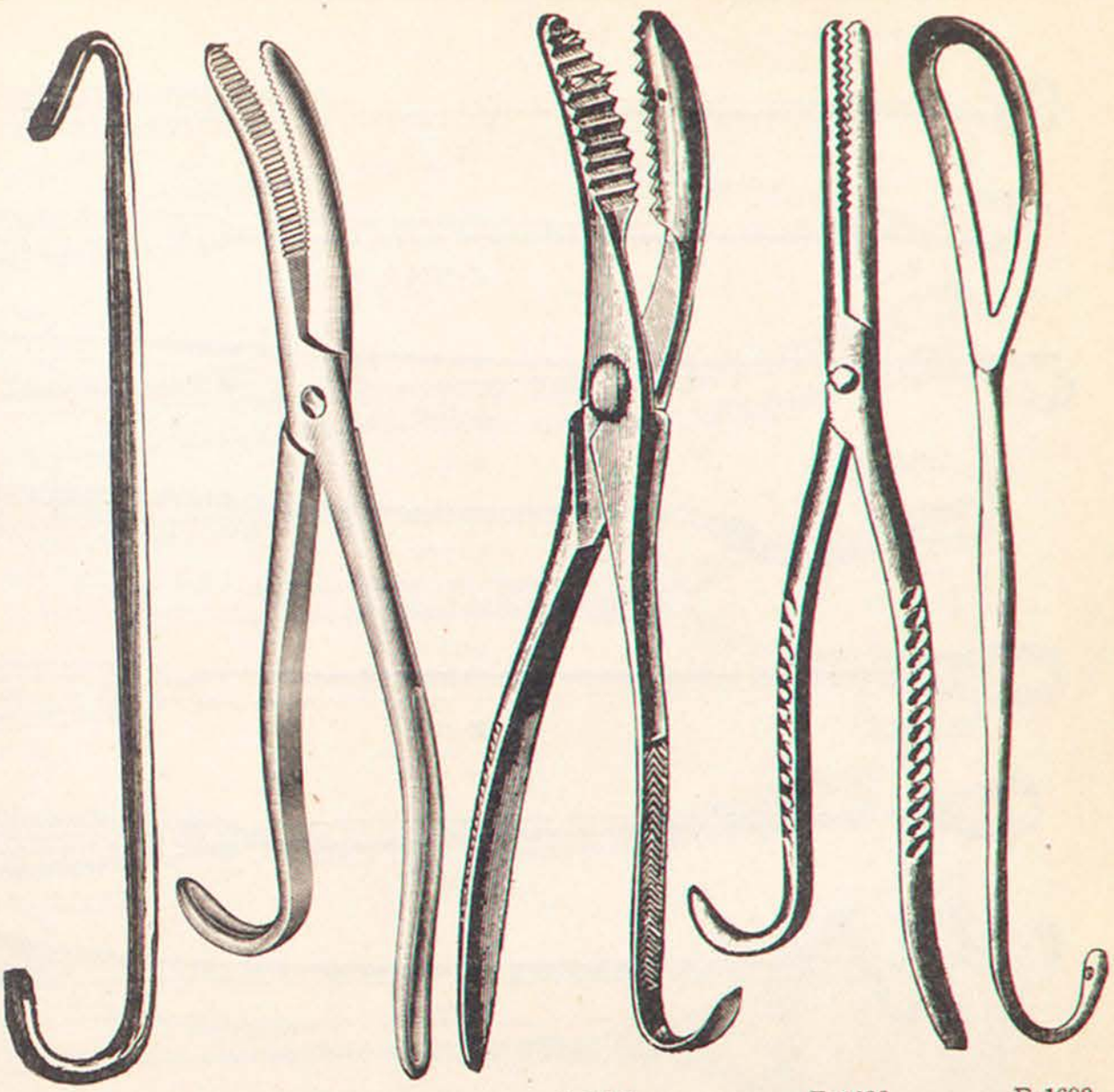
E–1580 **Tarnier's,** with perforator, latest model.

Cephalotribes

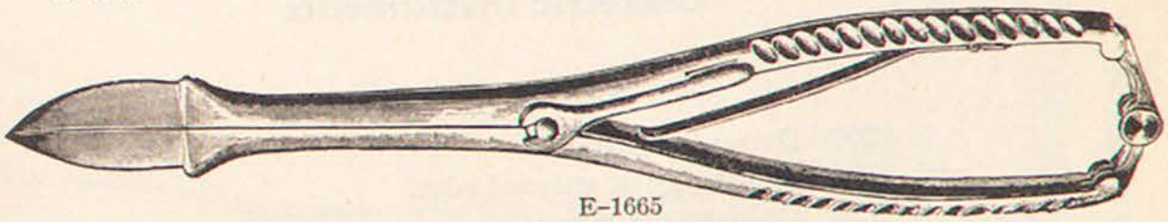
*E–1585 **Braun's.**
*E–1590 **Lusk's,** aseptic.
E–1595 **Tarnier's,** latest.

Cranioclasts

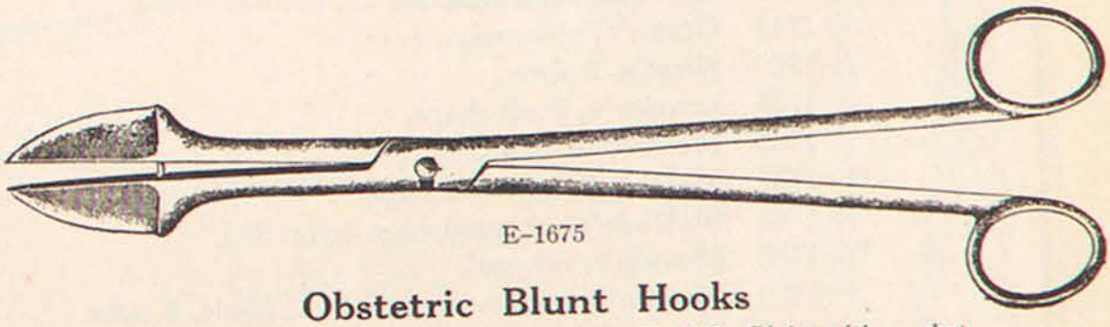
E–1600 **Braun's,** aseptic.
E–1605 **Simpson's,** aseptic.



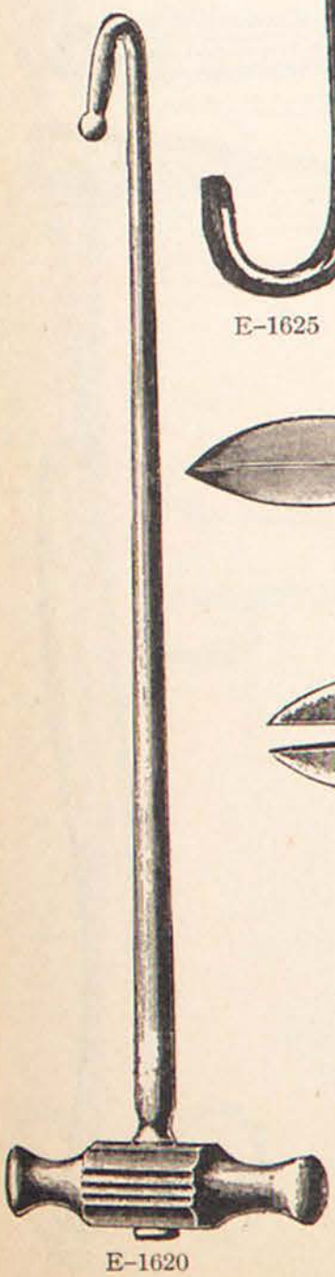
E-1625 E-1630 E-1640 E-1636 E-1690



E-1665



E-1675



E-1620

Obstetric Blunt Hooks

E-1620 **Braun's.**

E-1625 Plain, with crochet.

Obstetric Craniotomy Forceps

E-1630 **Elliott's,** curved.
*E-1635 **Meig's,** curved.
E-1636 **Meig's,** straight.
E-1640 **Thomas'.**

Obstetric Perforators

*E-1650 **Bedford's.**
*E-1655 **Blot's.**
*E-1660 **Braun's,** trephine perforator.
E-1665 **Naegeli's.**
*E-1670 **Simpson's,** original model.
E-1675 **Smellie's.**
*E-1680 **Thomas'.**

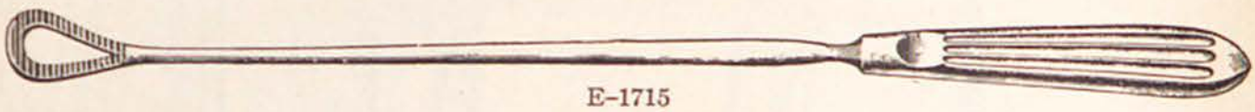
Obstetric Vectis

E-1690 Plain, with blunt hook.

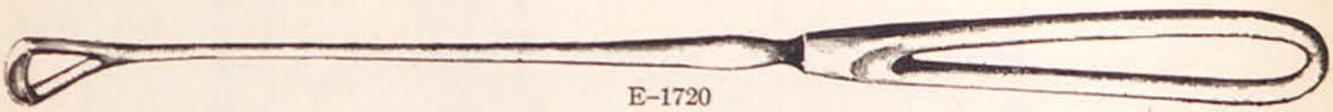
*E-1695 Plain, with handle.



E–1710



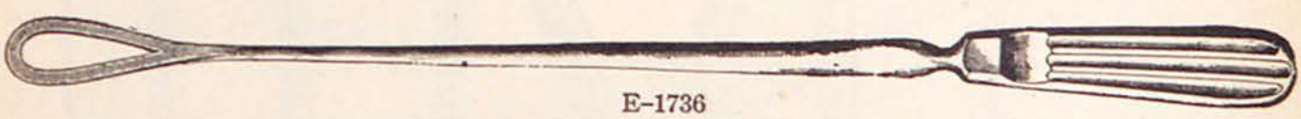
E–1715



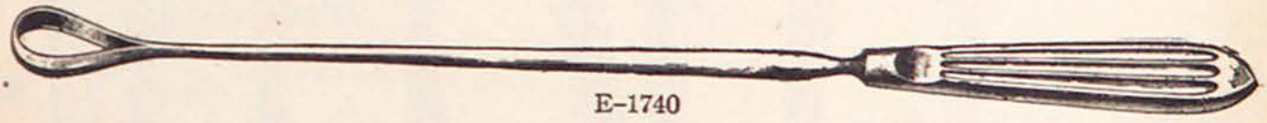
E–1720



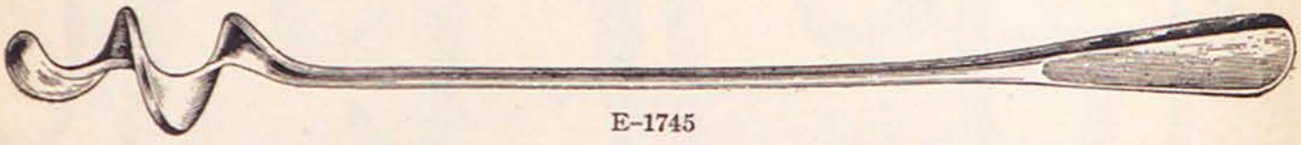
E–1730



E–1736



E–1740



E–1745

Obstetric Instruments

Placenta Curettes



E–1700

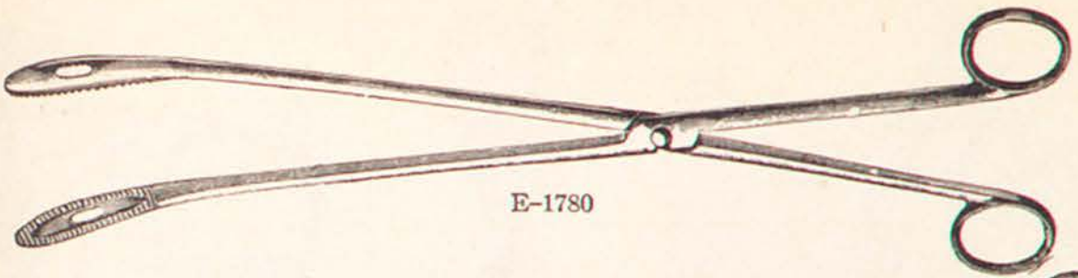
E–1700 **Dewey's,** with hook.
*E–1705 **Engelman's,** serrated edge.
E–1710 **Goldstein's,** irrigating.
E–1715 **Green's,** serrated.
E–1720 **Hirst's,** 2 sizes.
E–1725 **Leavitt's,** hook shape.
E–1730 **McDade's,** plain.
*E–1731 **McDade's,** serrated edge.
*E–1732 **McDade's,** serrated edge, irrigating.
*E–1735 **Munde's,** original.
E–1736 **Munde's,** improved, broad flat blade, 3 sizes.
E–1740 **Reynold's,** 3 sizes.
*E–1741 **Reynold's,** rinsing, 3 sizes.
E–1745 **Spiral,** 2 sizes.
*E–1750 **Winter's,** abortion.

Embryotomy Knives

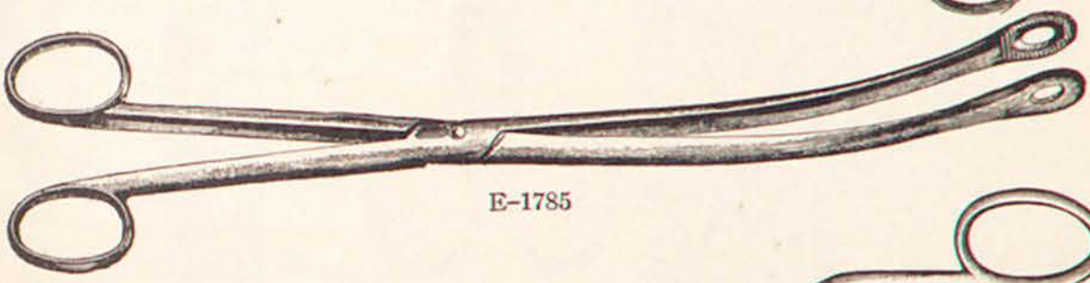
*E–1755 **Braun's.**
*E–1760 **Schultze's.**



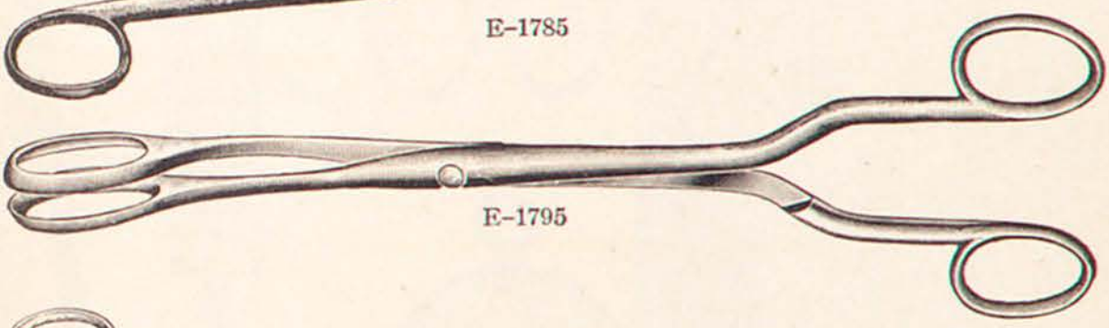
E–1725



E–1780



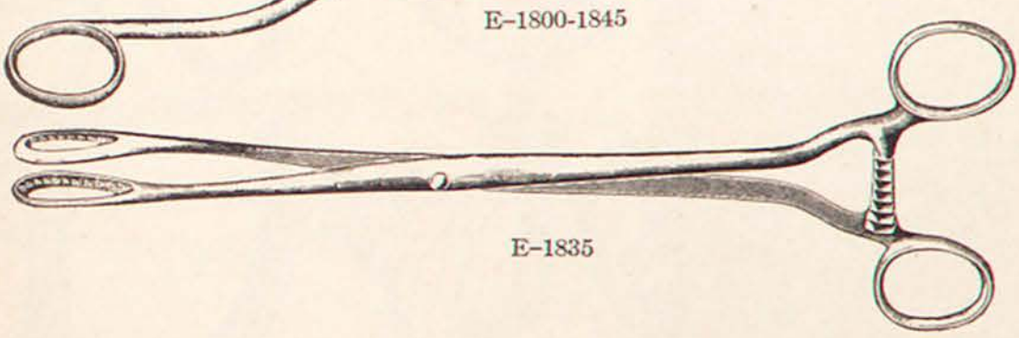
E–1785



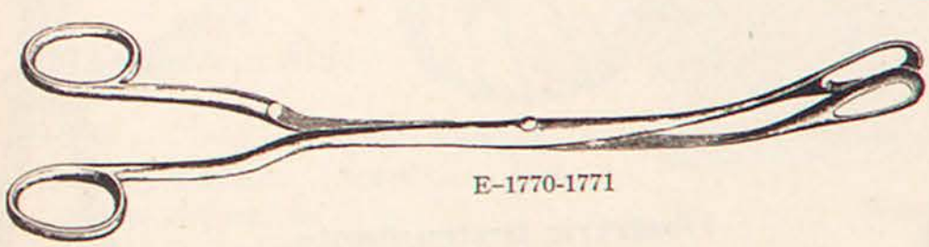
E–1795



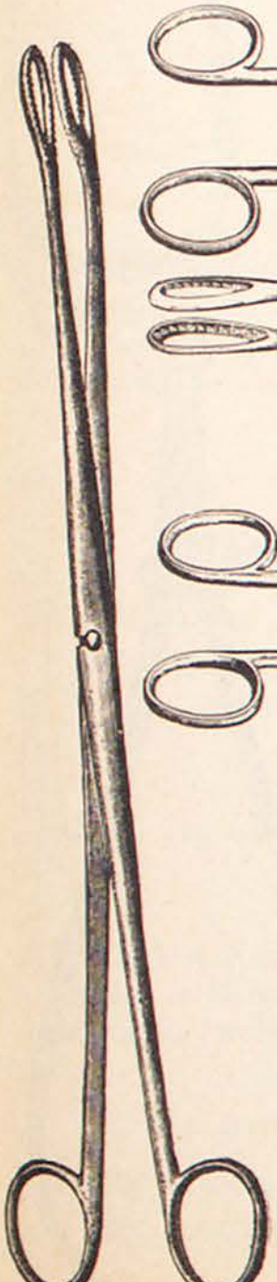
E–1800-1845



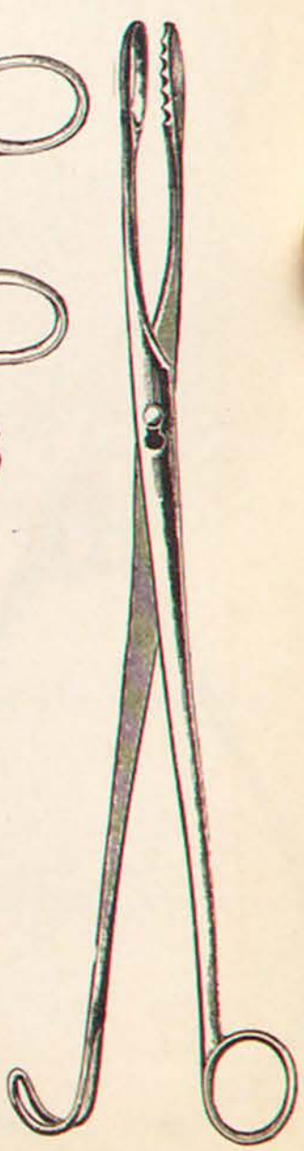
E–1835



E–1770-1771



E–1815

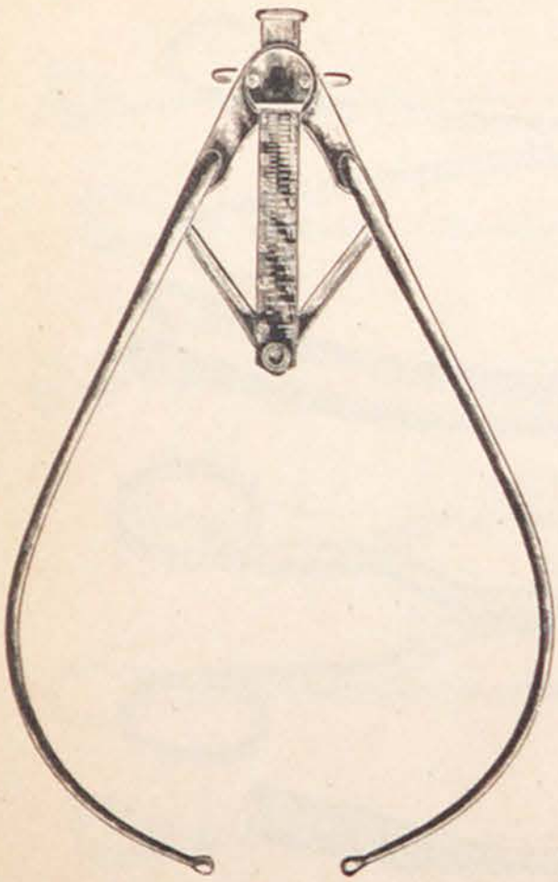


E–1810

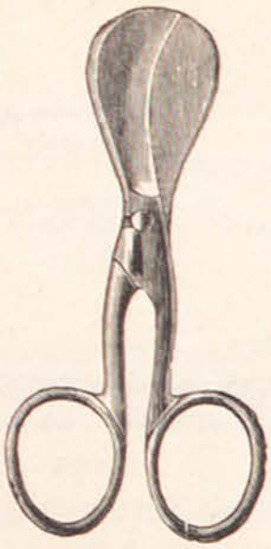
Obstetric Instruments

Placenta Forceps

E–1770 **Barrett's,** small.
E–1771 **Barrett's,** large.
•E–1775 **Boldt's.**
E–1780 **Bond's.**
E–1785 **Budd's.**
•E–1790 **Chamberlain's.**
E–1795 **Corey's.**
E–1800 **Emmet's,** curette.
•E–1805 **Grosvenor's.**
E–1810 **Haslam's,** combined with hook and curette.
E–1815 **Kelly's.**
•E–1820 **Leonard's,** combined with curette.
•E–1825 **Loomis'.**
•E–1830 **Munde's.**
E–1835 **Saenger's.**
•E–1840 **Schnetter's.**
E–1845 **Tiemann's,** embryotomy.
•E–1850 **Ward's.**



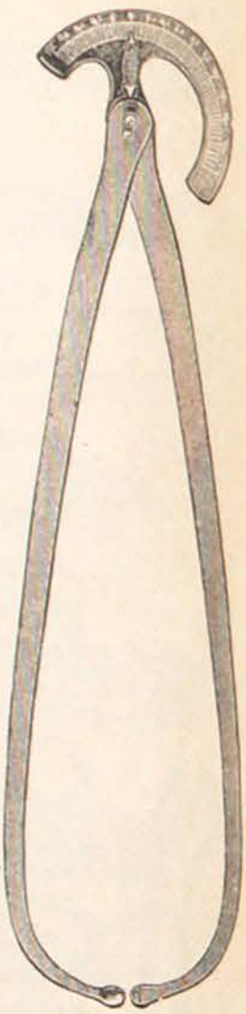
E-1885



E-1925



E-1950-1951

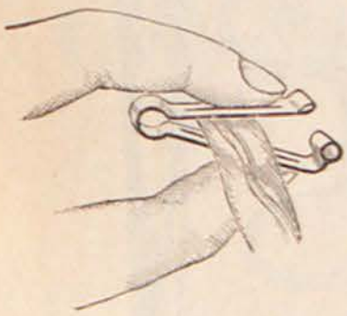


E-1890

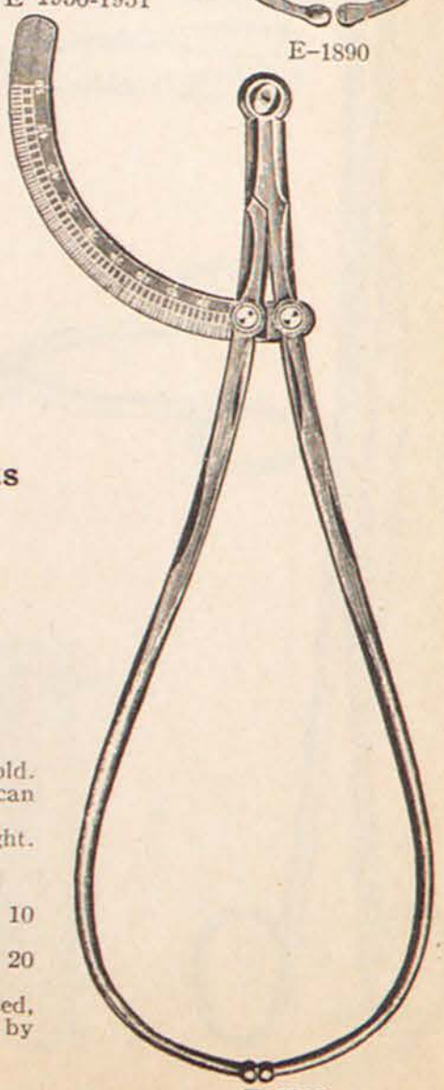




E-1955



E-1920



E-1900



E-1895-1896

Obstetric Instruments

Pelvimeters

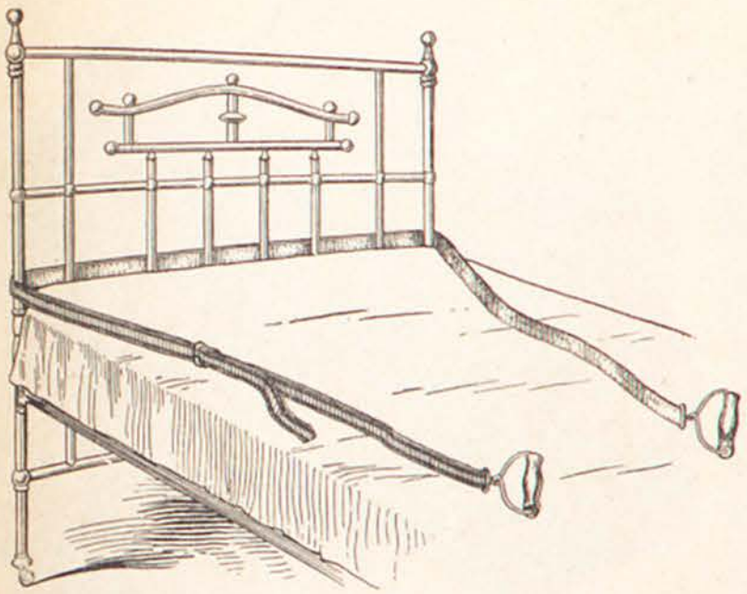
*E-1880 **Breisky's.**
E-1885 **Carsten's,** steel.
E-1890 **Collins',** steel.
E-1895 **Collyer's,** steel.
E-1896 **Collyer's,** bronze.
E-1900 **Martin's.**
*E-1905 **Williams',** internal.

Obstetric Sundries

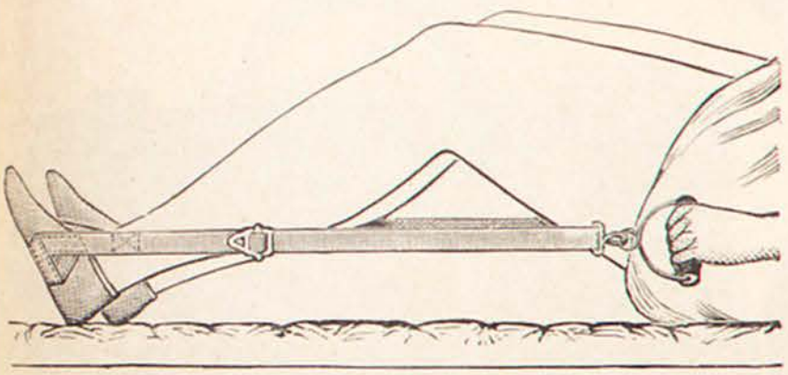
E-1920 Umbilical Clamp, Surehold.
E-1925 Umbilical Scissors, American pattern.
E-1926 Umbilical Scissors, straight.

Baby Scales (see also page 14)

E-1950 Spring, weighing up to 10 pounds by ¼ pounds.
E-1951 Spring, weighing up to 20 pounds by ¼ pounds.
E-1955 Brass dial, nickel plated, weighs up to 25 pounds by ounces.



E-1985

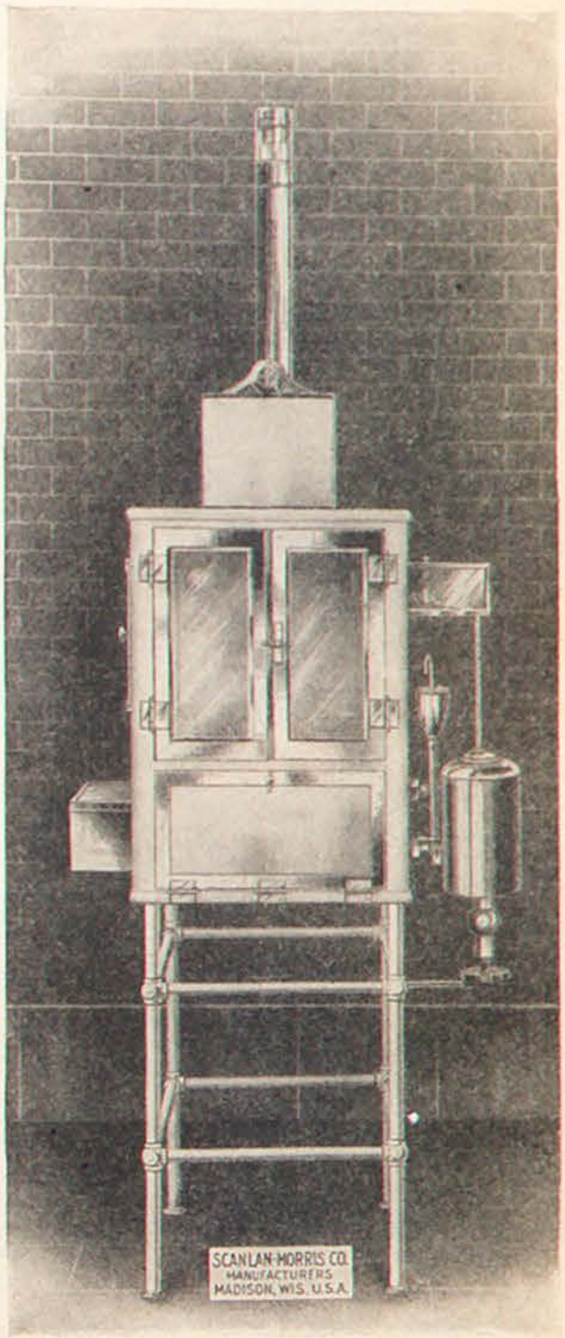


E-1980

Obstetric Aids

E-1980 **Klein's,** Obstetric slippers, leather.

E-1985 **Sterling-Lopez',** obstetric bed straps, adjustable.



E-1990-1991

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 mailed upon request.

E-1990 **DeLee's** Infant Incubator, gas heated.

E-1991 **DeLee's** Infant Incubator, electrically heated by light bulbs.



E-2500



E-2510



E-2505



E-2515

Physicians' Leather Bags

E–2500 **Boston Bag,** black seal grain leather, leather lined, with holder for bottle pad, and pocket, sizes 12, 13, 14 15 and 16 inches.

E–2505 **Boston Bag,** sole leather, tan or black, leather lined, with holder for bottle pad, and pocket, sizes, 12, 13, 14, 15 and 16 inches.

E–2510 **Club Style Bag,** black seal grain leather, leather lined, solid brass trimmings, nickel plated, with pocket, loop for bottle pad and loops in top for instruments, sizes, 12 x 6½ x 4½ inches, 14 x 7 x 5 inches, 16 x 8 x 6 inches, 17 x 8½ x 6¼ inches, 18 x 8½ x 6½ inches.

E–2515 **Club Style Bag,** black sole leather, leather lined, English frame, solid brass lock and trimmings, leather corners, with loop for bottle pad, pocket for sundries and loops in top for instruments, sizes, 16 x 10 x 8 inches, 17 x 10½ x 8¼ inches, 18 x 11 x 8½ inches.

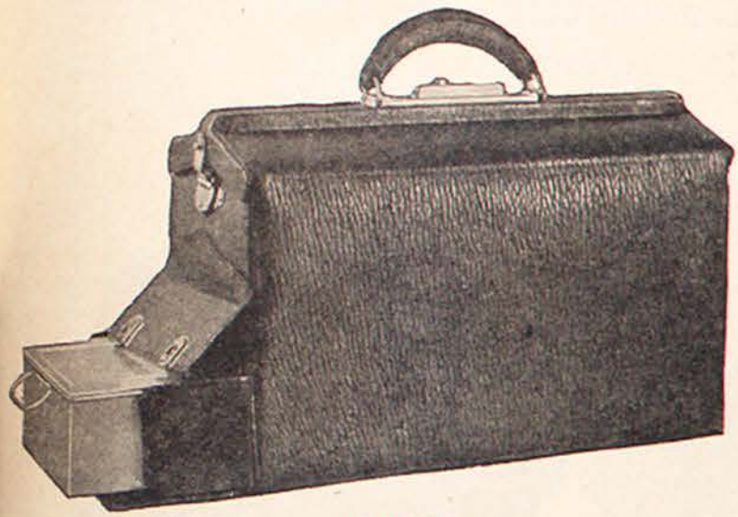
Illustrated catalogue of a complete line of leather bags and cases sent on request.



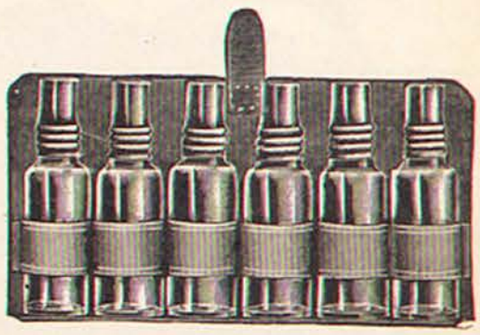
E–2520



E–2525



E–2530



E–2535

Physicians' Leather Bags

E–2520 **Cabin Style Bag,** black seal grain leather, leather lined, nickel-plated trimmings, with loop for bottle pad, pocket for sundries and loops in top for instruments, sizes, 12 x 7½ x 6⅝ inches, 14 x 7½ x 6⅝ inches, 15 x 7½ x 6⅝ inches, 16 x 7½ x 6⅝ inches, 17 x 7½ x 6⅝ inches, 18 x 7½ x 6⅝ inches.

E–2525 **Cabin Style Bag,** deep pattern, black walrus grain leather, English frame, leather lined, solid brass trimmings, with adjustable loops for bottles, pocket for sundries and loops in top for instruments, sizes, 16 x 11¼ x 6¾ inches, 17 x 11¼ x 6¾ inches, 18 x 11¼ x 6¾ inches.

E–2530 **Combination Cabin Bag,** black seal or walrus grain leather, leather lined, brass trimmings. This bag has two compartments, the top has a loop for bottle pad and a pocket for sundries, the bottom is made to hold a copper sterilizer 16 x 6 x 3¼ inches; size of bag, 17 x 11 x 6⅝ inches.

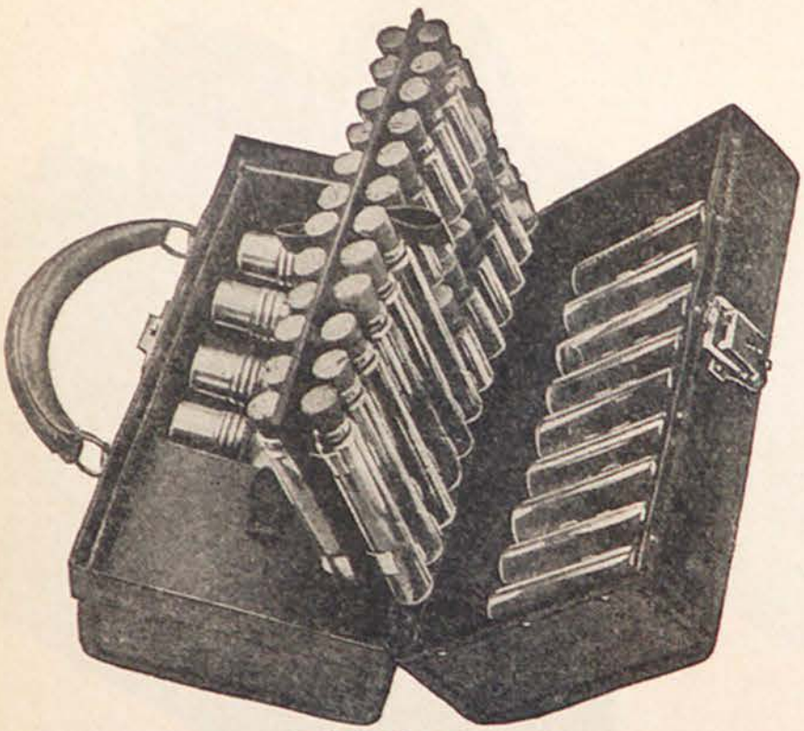
E–2535 Bottle Pad with 6 G. S. M. C. bottles, 1½ ounce.

*E–2536 Bottle Pad with 5 G. S. M. C. bottles, 1½ ounce.

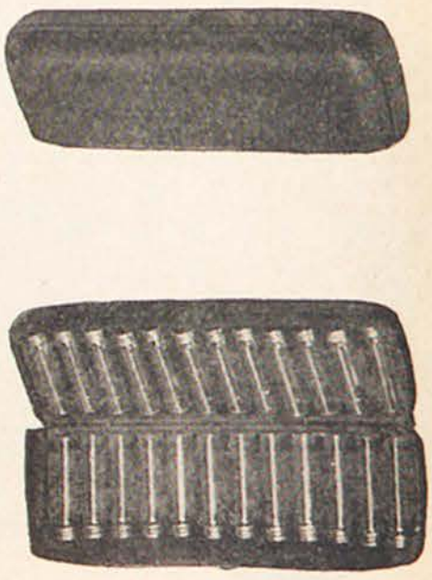
*E–2537 Bottle Pad with 4 G. S. M. C. bottles, 1½ ounce.

*E–2540 Copper Sterilizer, 16 x 6 x 3¼ inches.

Illustrated catalogue of a complete line of leather bags and cases sent on request.



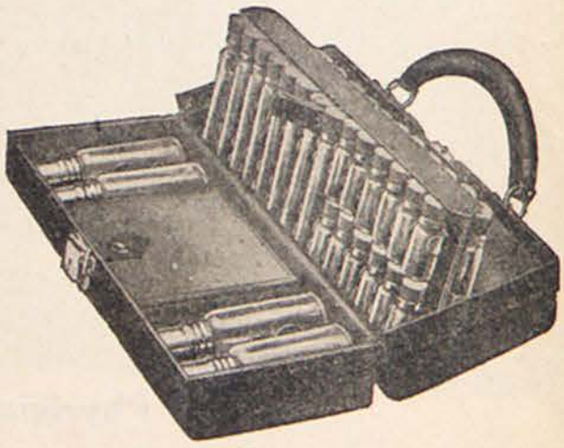
E-2550–E-2551



E-2565



E-2555–E-2556



E-2560

Physicians' Medicine Cases

E-2550 **Medicine Case,** black sole leather, hand sewed, hinged center partition, best cloth lining, contents: 18—4 dram, 12—2 dram and 10—1 ounce cork-stoppered vials, 4—1½ ounce ground stoppered and metal-capped bottles, also a covered box for sundries, size, 11 inches long, 6 inches high, 4¾ inches wide.

E-2551 **Medicine Case,** same as E-2550, but leather lined.

E-2555 **Medicine and Instrument Case** combined, black sole leather, hand sewed, hinged center partition with protective flange to keep corks in place, best cloth lining, contents: 19—5 dram and 16—6 dram cork-stoppered vials, 6—1½ ounce glass-stoppered and metal-capped bottles, also large sundry space with loops for instruments, size, 17 inches long, 6 inches high, 5½ inches wide.

E-2556 **Medicine Case,** same as E-2555, but only 14 inches long, contents: 16—5 dram and 16—6 dram cork-stoppered vials, 4—1½ ounce glass stoppered and metal-capped bottles.

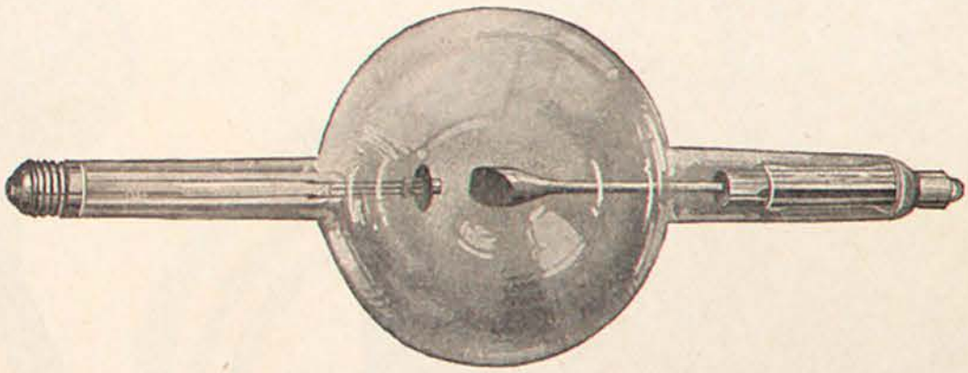
E-2560 **Medicine Case,** black sole leather, hand sewed, hinged center partition with protective flange, red leather lining, contents: 22—4 dram and 12—2 dram cork-stoppered vials, 4—1 ounce ground-stoppered and metal-capped bottles, sundry space, 1 inch x 4 inch x 4 inch.

E-2565 **Pocket Medicine Case,** black sole leather, hand sewed, velvet lined, contenst: 24—2 dram screw capped vials.

Illustrated catalague of a complete line of leather bags and cases sent on request.

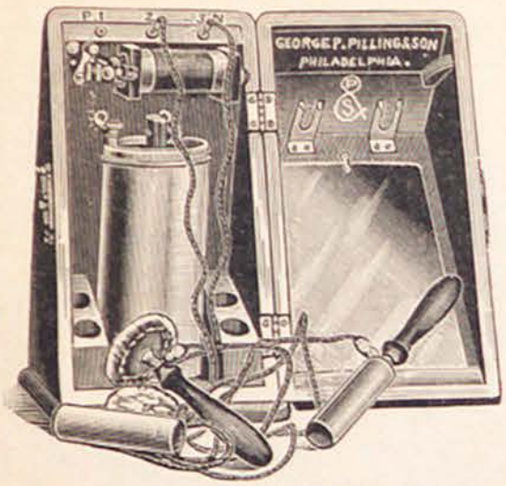
Section "F"

Electric Cautery Transformers
Electro-Cautery Burners and Accessories
Electric Current Controllers
Electro-Diagnostic Outfits
Electrolysis Instruments
Electro-Therapeutic Lamps
Faradic Batteries
Galvanic Batteries

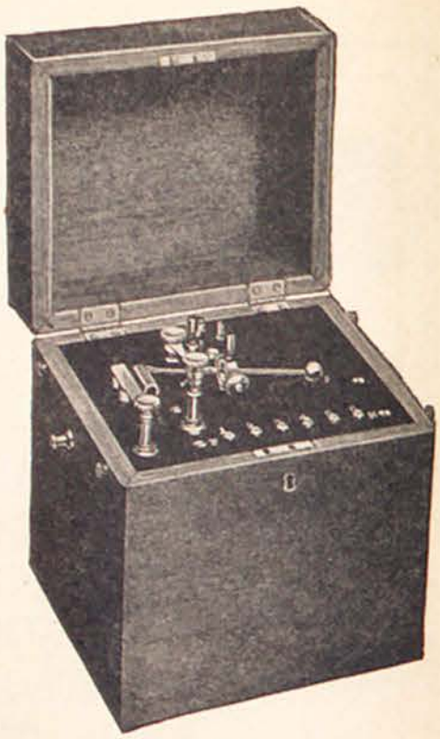


Illustrated Descriptive Literature on Electrical Equipment not embodied in this catalogue owing to lack of space will be sent on request for the following:

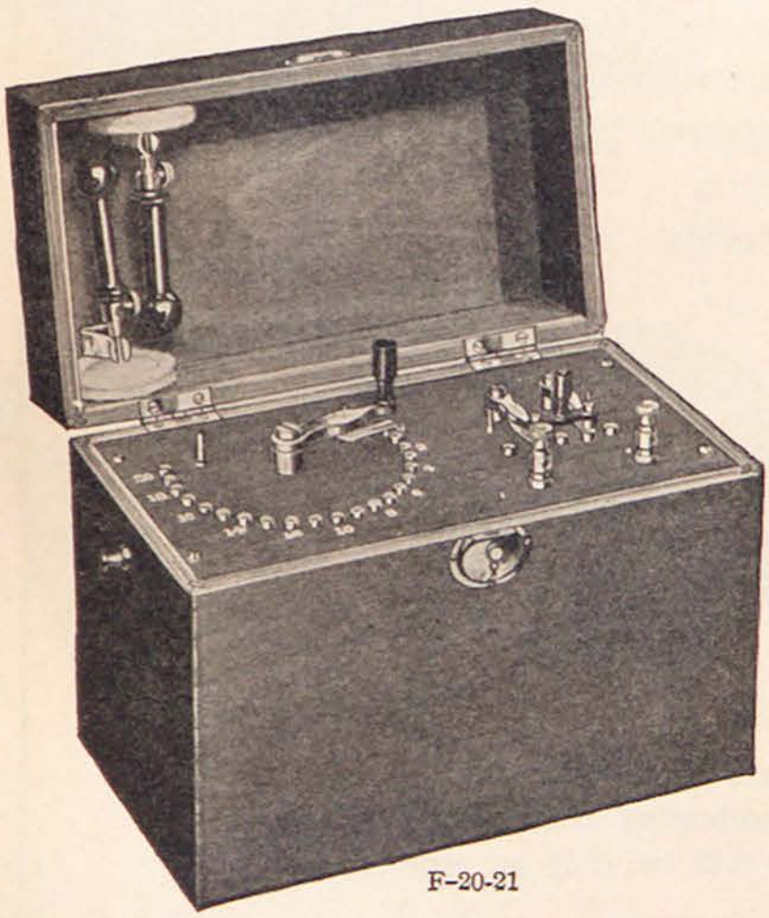
Electric Cabinets
Electric Eye Magnets
Electric High Frequency Apparatus
Electric Vibrators for Massage
Electric Wall Plates
X-Ray Equipment and Accessories



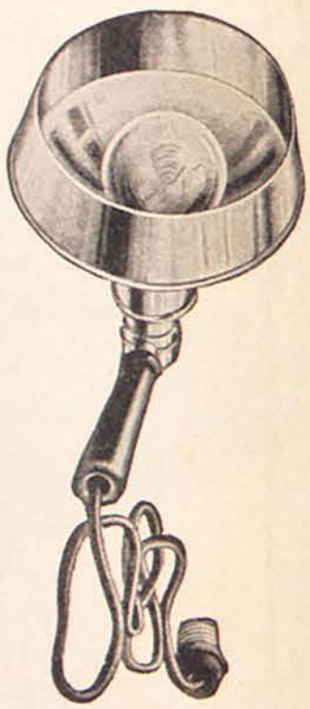
F–5



F–15



F–20-21



F–30

Faradic and Galvanic Batteries

F– 5 **Domestic,** faradic battery, single cell, with foot plate, 2 shell electrodes, 2 handles, 2 sponge electrodes and silk covered cords, without cells. Any standard dry cells will fit.

*F–10 **Domestic,** faradic battery, double cell, same as No. F–5, with more powerful current, without cells. Any standard dry cells will fit. Nos. F–5 and F–10 are put up in solid mahogany hand-polished cases.

F–15 **Keystone,** faradic battery No. 3, with slow and rapid interrupters, complete with 2 sponge electrodes and handles, and cords in polished walnut case with lock and carrying strap.

*F–16 **Keystone** Cells for above.

F–20 **Keystone,** galvanic battery, 12 cell and 16 cell without pole changer, complete with 2 handles sponge electrodes and cords.

F–21 **Keystone,** galvanic battery, 20 cell, 24 cell and 30 cell, with pole changer, complete with 2 handles, sponge electrodes and cords. Nos. F–20 and 21 are put up in polished mahogany cases with carrying straps.

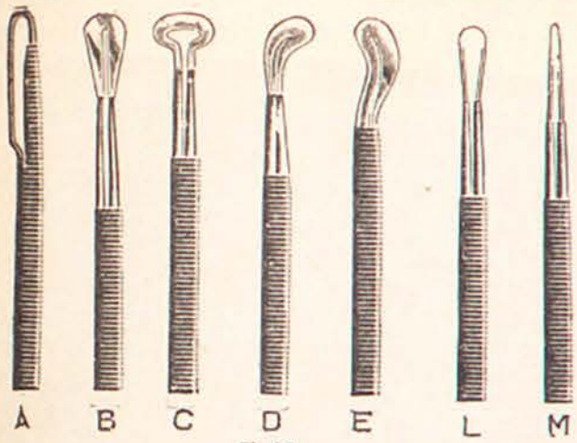
*F–22 **Keystone** Cells for above.

Electro-Therapeutic Lamps

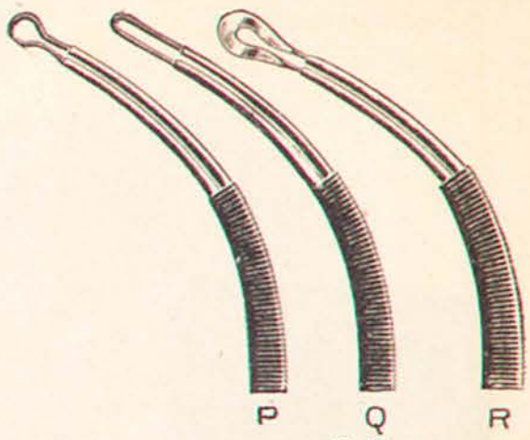
F–30 **Stein-O-Lite,** complete with 250-watt bulb, 8 feet silk covered cable and attachment plug, for 110 to 125 volt direct or alternating current.

*F–31 **Stein-O-Lite,** same as above, but on portable stand with flexible metal stem.

*F–32 **Stein-O-Lite,** extra bulbs for above.



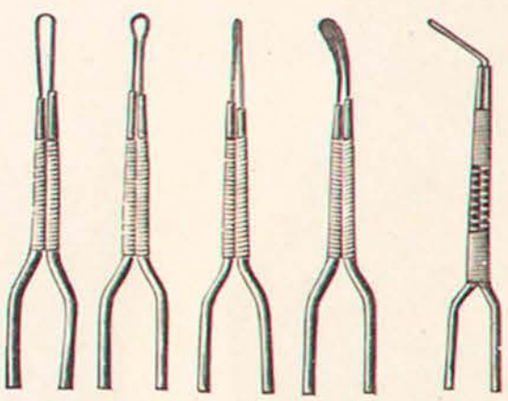
F-60



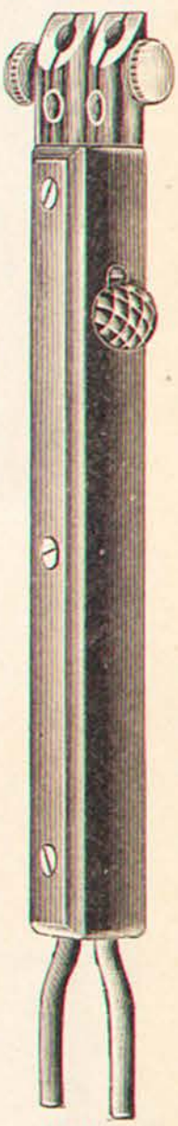
F-61



F-70-71-90



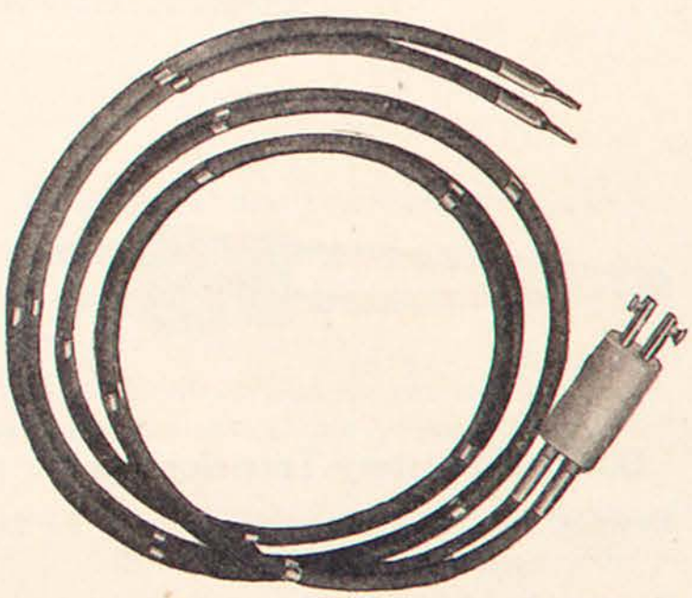
F-65



F-75



F-85



E-95

Electric Cautery Burners

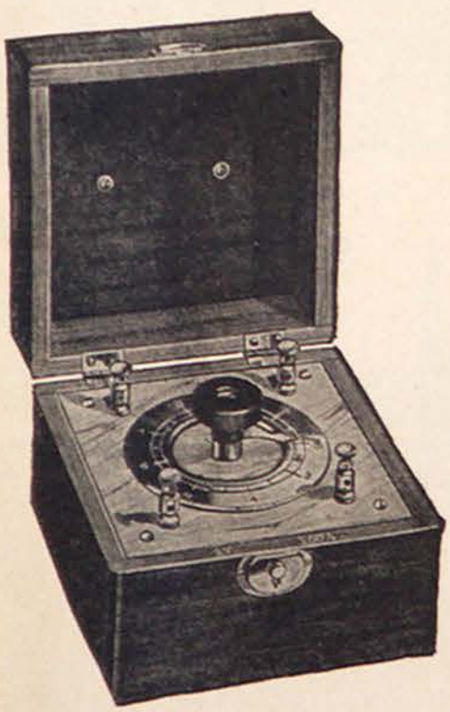
F- 60 Platinum Burners, straight, A to M.
F- 61 Platinum Burners, curved, P, Q, R.
F- 65 Platinum Burners, for eye work, 1 to 5.
F- 70 **Ziegler's** Set of Platinum Burners, for eye work, complete with handle in case.
F- 71 **Ziegler's** Platinum Burners only.

Electric Cautery Handles

F- 75 **Pilling's,** with binding screws at burner end only.
*F- 80 **Seiler's,** universal.
F- 85 **Western,** with binding screws at both ends.
F- 90 **Ziegler's,** for eye cautery knives.

Electric Cautery Cords

F- 95 **Geiger's,** for Downes' cautery, heavy cable.
F-100 Cautery Cords, regular.



F–120-121



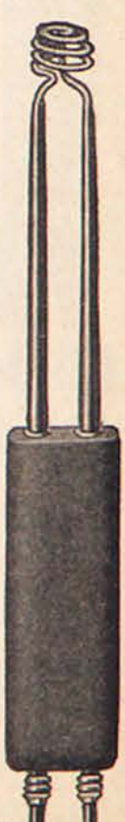
F–123



F–130



F–131



F–132

Downes' Cautery Transformers

F–120 **Downes'** No. 4, for alternating current, for Downes' knives up to 100 amperes.

F–121 **Downes'** No. 4, same as above but with foot switch.

*F–122 Foot Switch for above.

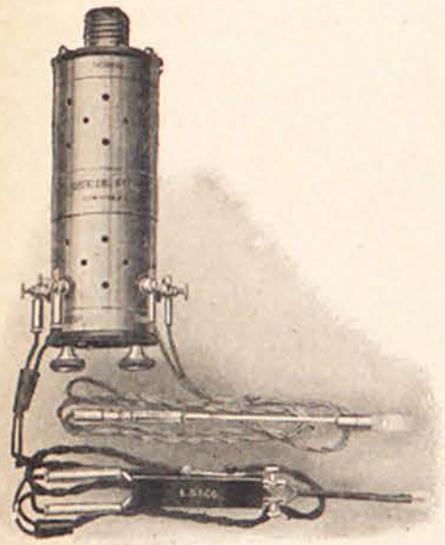
F–123 **Downes'** No. 6, for direct current, for Downes' knives up to 100 amperes.

Downes' Cautery Knives

F–130 **Downes'**, short, 4½ inches long.

F–131 **Downes'**, with extra long handle, length 8 inches

F–132 **Downes'**, spiral dome, length 8 inches, the spiral is ⅝ inch in diameter by ⅜ inch long.



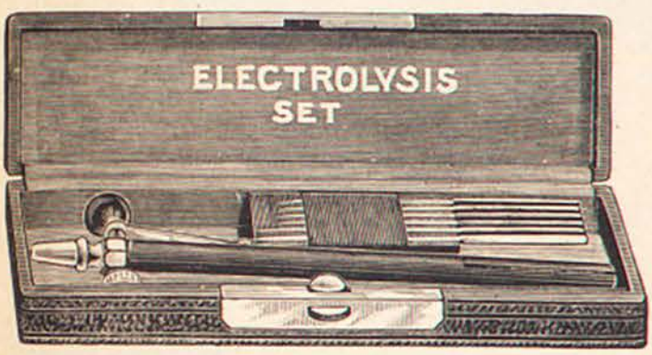
F–135-137



F–140



F–155



F–150



F–160



F–161-162



F–163

Cautery Transformers (continued)

F–135 **E. S. I. Co.** Socket Cautery and Light Transformer, for alternating curent, without cords.

F–136 **E. S. I. Co.** Lamp Cords only for the above.

F–137 **E. S. I. Co.** Cautery Cords only for the above.
When ordering please state voltage and cyclage of current on which transformer F–135 is to be used.

F–140 **Wappler** Ground Free, Light and Cautery Transformer for alternating current complete with **7**-foot connecting cable and attachment plug.

Electrolysis Instruments

F–150 Electrolysis Set, consisting of 1 handle with interrupter, 1 iridioplatinum needle and 6 steel needles, in case.

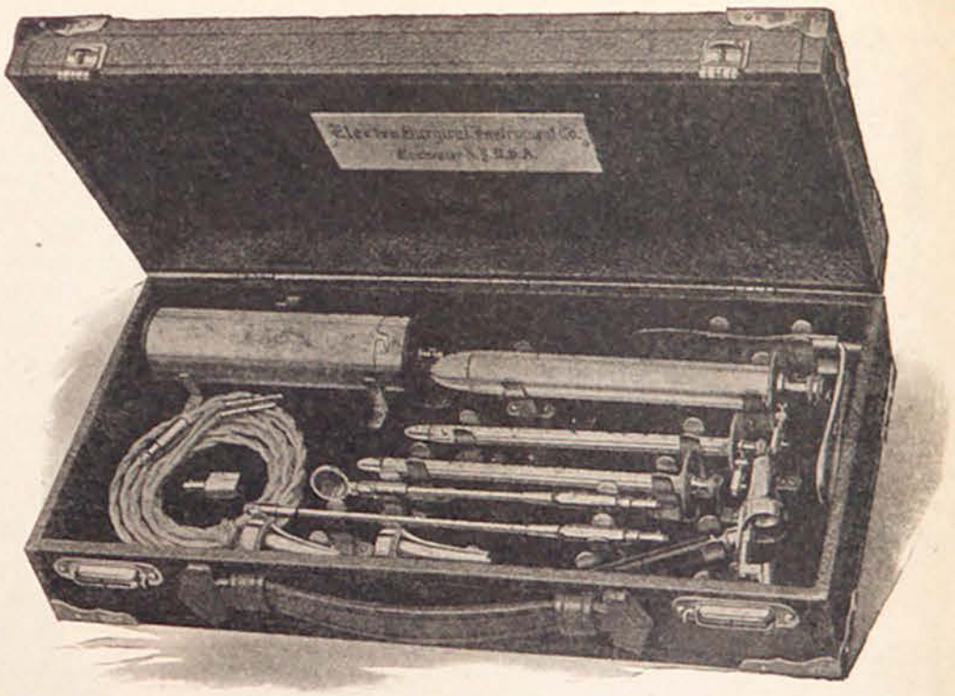
F–155 Electrolysis Handle, with interrupter.

F–160 Electrolysis Needle, platinum, plain.

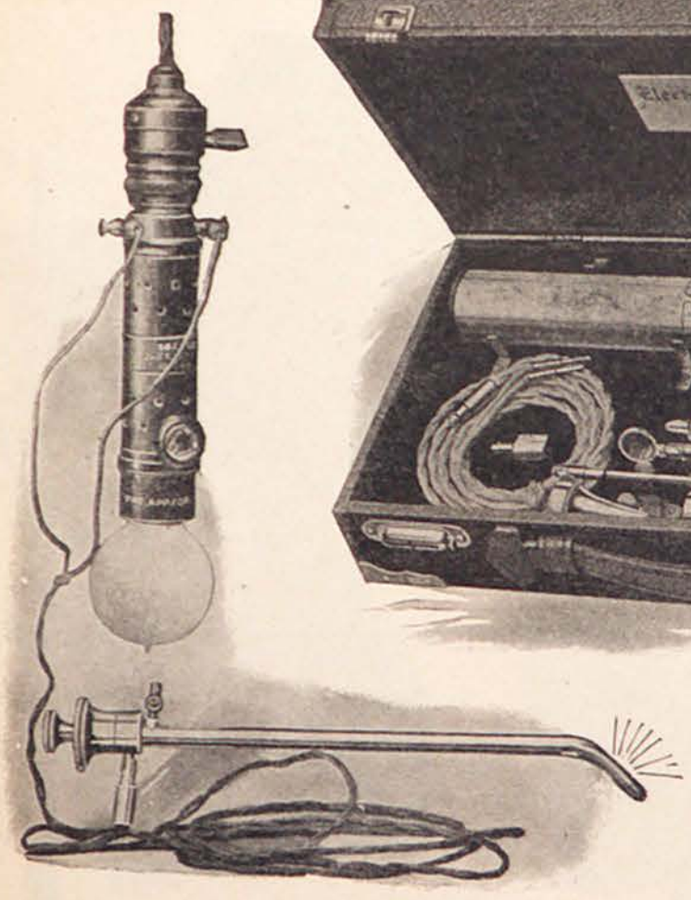
F–161 Electrolysis Needle, Hayes', platinum, bulbous end.

F–162 Electrolysis Needle, Hayes', regular, bulbous end.

F–163 Electrolysis Needle, steel, plain.



F–200-201



F–215

Electro-Diagnostic Outfits

F–200 **E. S. I. Co.** General, in leather-covered case, contents:

1 Tungsten Battery with 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 Urethroscopes (any sizes).
1 Light Carrier for Urethroscopes (Interchangeable).
1 E. S. I. Co. Proctoscope (any size).
1 Light Carrier for Proctoscope.

F–201 **E. S. I. Co.** General, same as above, but with socket current controller instead of Tungsten battery.

Any selection of E. S. I. Co. General diagnostic instruments will be fitted into a case upon order.

F–205 **E. S. I. Co.** Tungsten Battery, with rheostat.

F–210 **E. S. I. Co.** Conducting Cords, regular, silk or rubber covered.

F–211 **E. S. I. Co.** Conducting Cords, with make and break attachment, silk or rubber covered.

Socket Current Controllers (see also page 243)

F–215 **E. S. I. Co.,** complete with resistance lamp and cords.

F–220 **Steiner's,** complete with resistance lamp.

F–225 **Wappler's,** complete with resistance lamp.



F–205

Section "G"



Office Furniture

Office Sterilizing Apparatus

Hospital Supplies

Surgical Rubber Goods

Sick Room Utensils

Invalid Rolling Chairs

Invalid Supplies



G–5-15 G–1 G–20

Office Furniture

G– 1 **Sorensen's** "Just It" Specialist's Outfit, complete as shown, consisting of Midget pump with universal motor for 110 volt direct or 110 volt, 60 cycle A. C., spray holder with 6 sprays, vacuum sinus cleanser with gauge, adjustable lamp bracket with condensor and bulls-eye, 2 drawer instrument cabinet on double bracket, waste receptacle on single bracket, electrical sterilizer 10½ inches long on double bracket, and cluster set for electrical connection. The Midget pump will maintain a continuous, steady pressure of 10 to 15 pounds.

G– 5 **Sorensen's** Universal Specialist's Chair, complete with adjustable instrument tray on swinging bracket and cuspidor on swinging bracket.

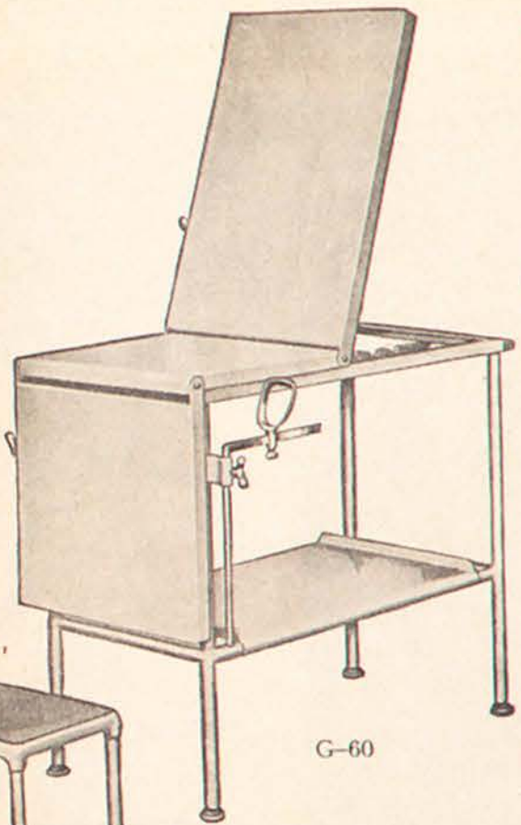
G–10 **Sorensen's** Universal Specialist's Chair, with adjustable instrument tray on swinging bracket, without cuspidor.

G–15 **Sorensen's** Universal Specialist's Chair only, without instrument tray or cuspidor.

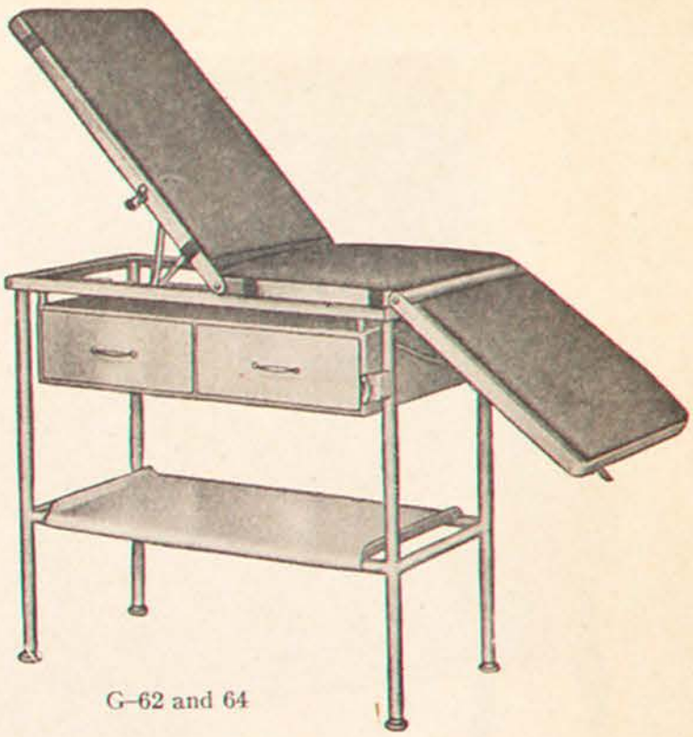
G–20 **Sorensen's** Specialist's Stool, porcelain enamel.

When ordering specify color of upholstery desired on chair.

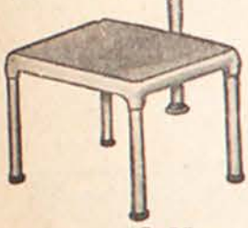
Complete Catalogue of office furniture sent on request



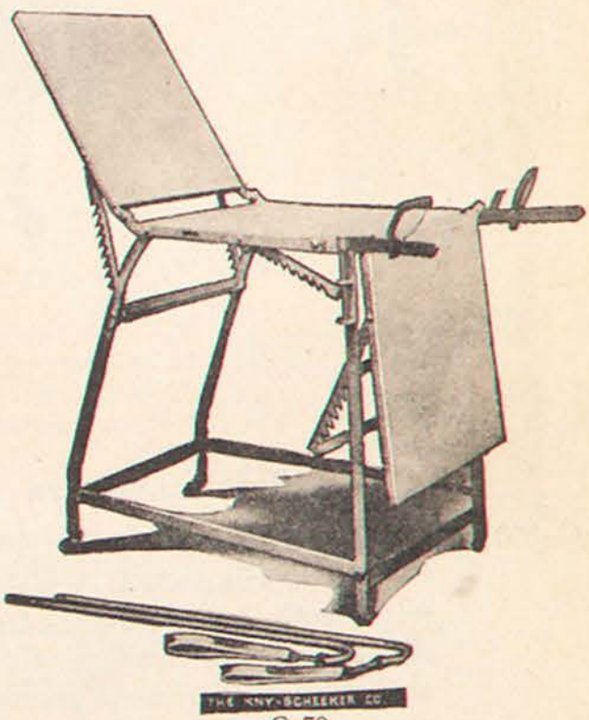
G–60



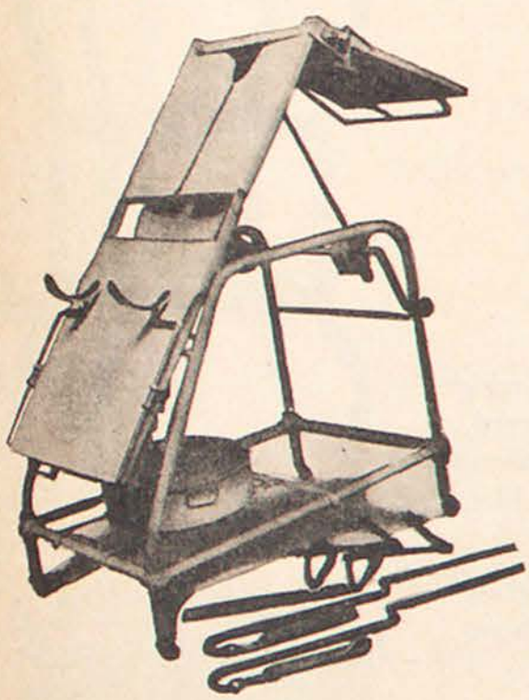
G–62 and 64



G–85



G–70

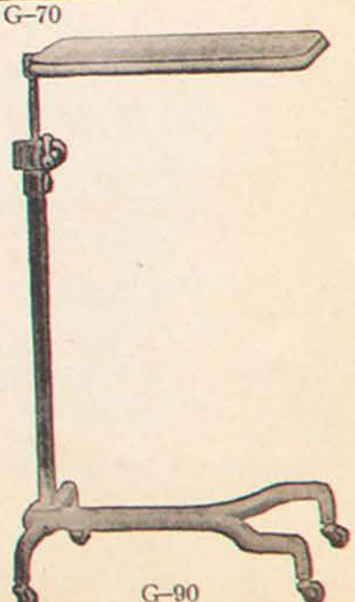


G–80

Office Furniture

- G–60 Office Examining and Treatment Table, complete with stirrups.
- *G–61 Office Table, same as G–60 but without shelf.
- G–62 Office Table, same as G–60, with 2 drawers.
- *G–63 Office Table, same as G–62, without shelf.
- G–64 Cushions to fit any of the above tables, made of leatherette.
- G–70 **Buchanan's** Portable Operating Table or Office Chair, complete with stirrups and leg holders.
- *G–71 Irrigator Rod with irrigator, tubing, nozzle and cut-off, for Buchanan's table.
- *G–72 Cushions for Buchanan's table.
- *G–73 Canvas Carrying Pouch for folded Buchanan's table.
- G–80 **Isaac's** Operating Table or Office Chair, complete with stirrups and leg holders.
- G–85 Foot Stool, with rubber top or linoleum top.
- G–90 **Mayo's** Instrument Rack, with removable porcelain enameled tray.

Complete catalogue of office furniture sent on request.



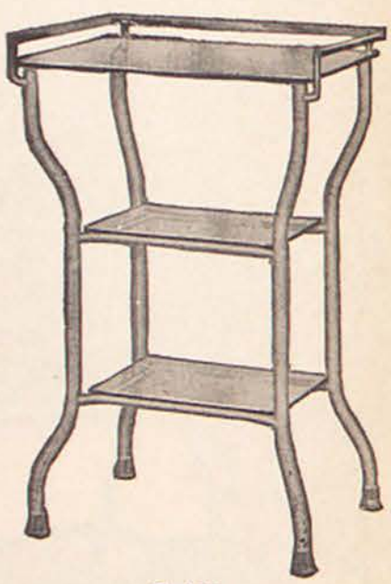
G–90



G–100



G–105



G–110

Office Furniture

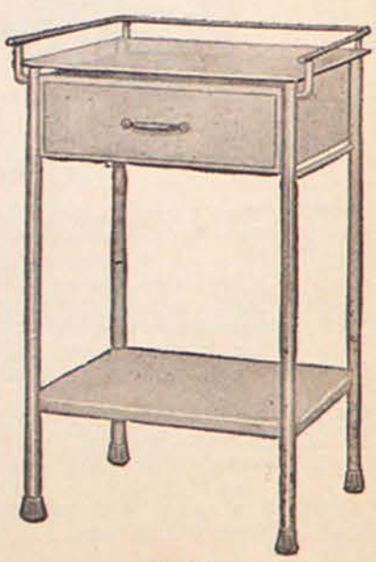
G–100 Specialist's Cabinet, Multum in Parvo, with rack for 12 atomizers and 12 2-ounce ground-stoppered, salt mouth bottles, plate-glass mirror, doors, shelves and top, complete with 12 crystal, blue and amber bottles, white enameled.

G–105 Specialist's Cabinet, with bottle rack, plate-glass doors, shelves, and top 16 x 30 inches, without bottles, white enameled.

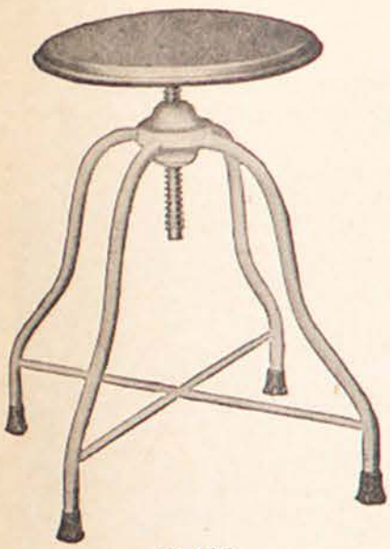
G–110 Side Table, Gem, 16 x 20 inches, polished plate-glass top, two plate-glass shelves, and nickel-plated guard rail.

G–115 Side Table, 16 x 20 inches, polished plate-glass top, nickel-plated guard rail, enclosed drawer and white enameled shelf.

Complete catalogue of office furniture sent on request.



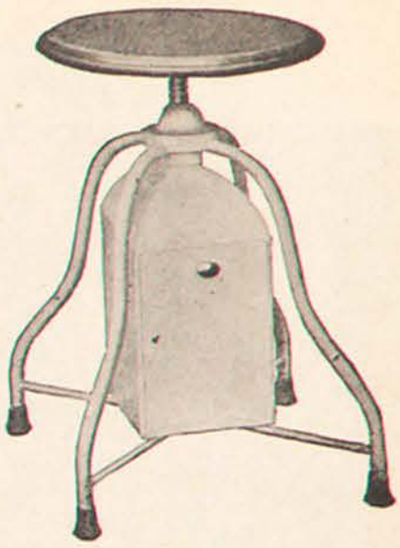
G–115



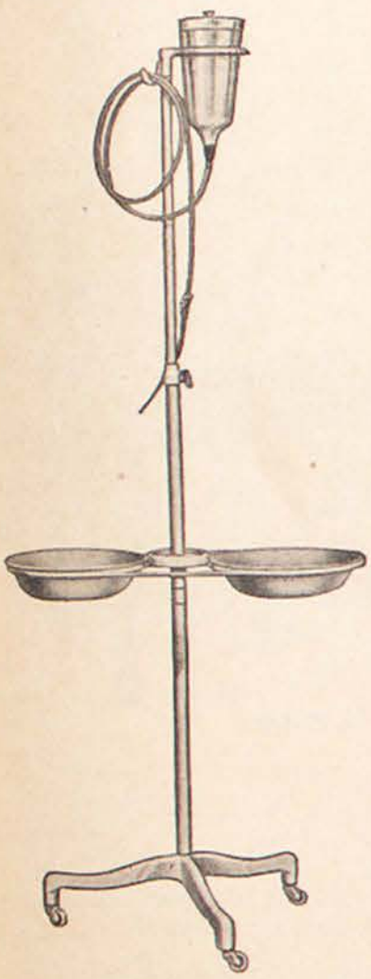
G–125



G–120



G–126



G–135

Office Furniture

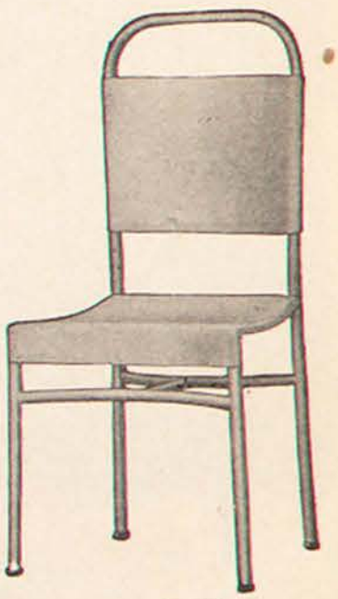
G–120 Specialist's Chair, with adjustable back, seat, arms and head rest, nickel-plated seat, arms, head rest and fittings, white enameled.

G–125 Specialist's Stool, with nickel-plated seat, adjustable.

G–126 Specialist's Stool, with nickel-plated seat, adjustable, and waste receptacle.

G–130 Office Chair, tubular construction, white enameled.

*G–131 Office Chair, same as G–130, but with slightly lower back.



G–130



G–140-141

G–135 Irrigator and Basin Stand, complete as shown.

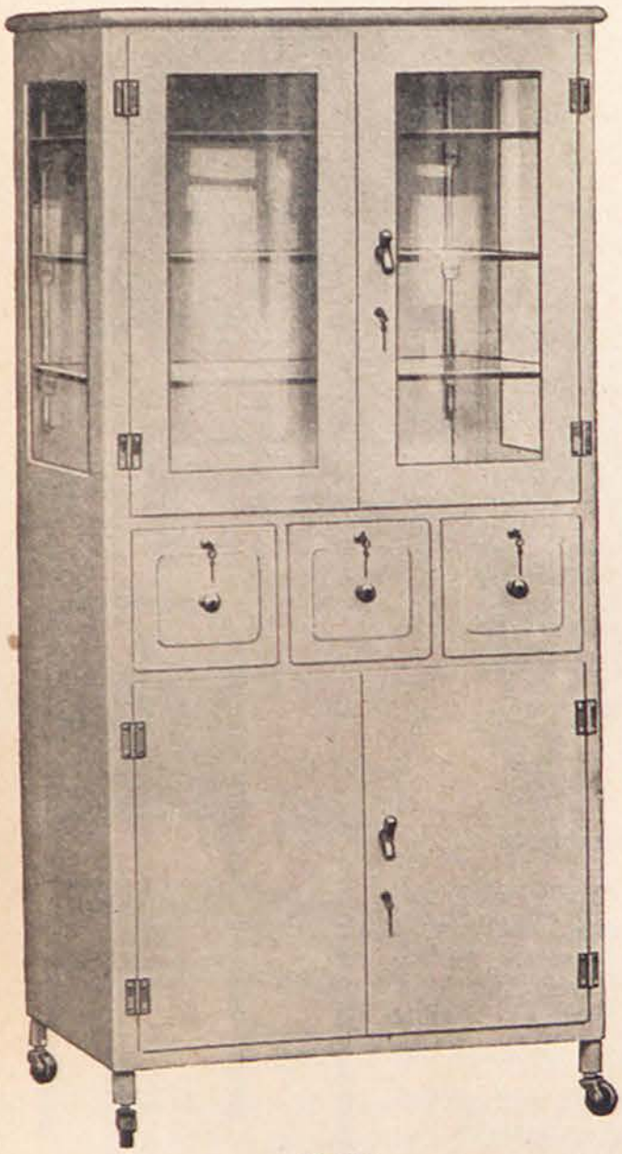
*G–136 Irrigator Stand, plain upright with three hooks.

*G–137 Irrigator Stand, with adjustable hook for raising or lowering.

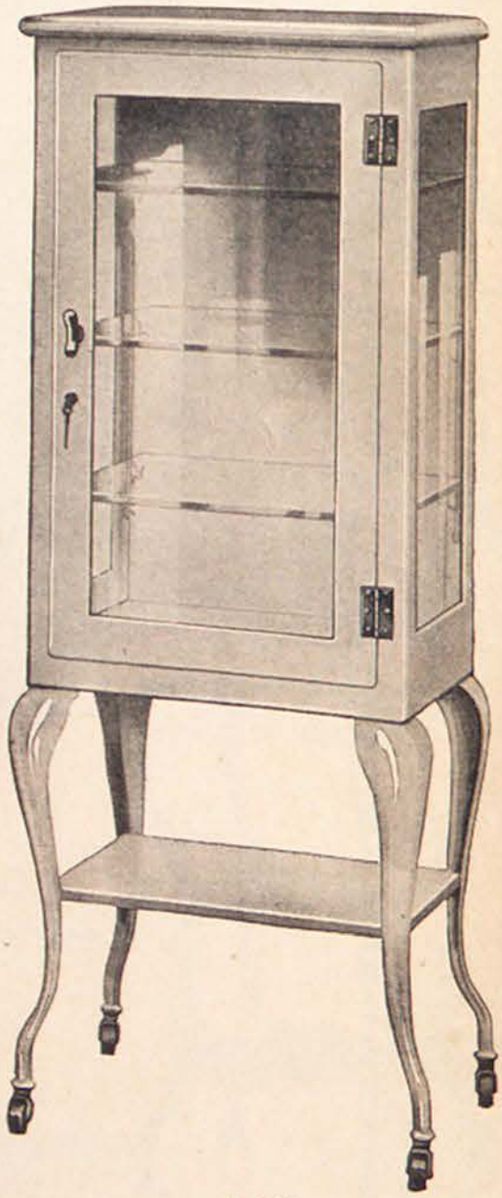
G–140 Sanitary Waste Receptacle, white enameled, opens with foot pressure, sizes 2, 6, 8 and 10 gallons.

G–141 Sanitary Waste Receptacle, same as G–140, but aluminum finish on galvanized iron, sizes 3, 6, 8 and 10 gallons.

Complete catalogue of office furniture sent on request.



G–150



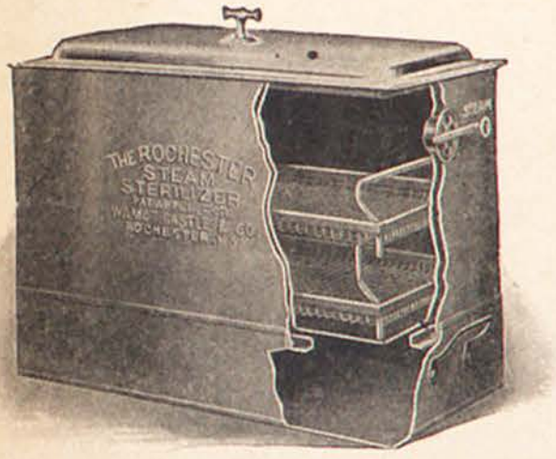
G–155

Office Furniture

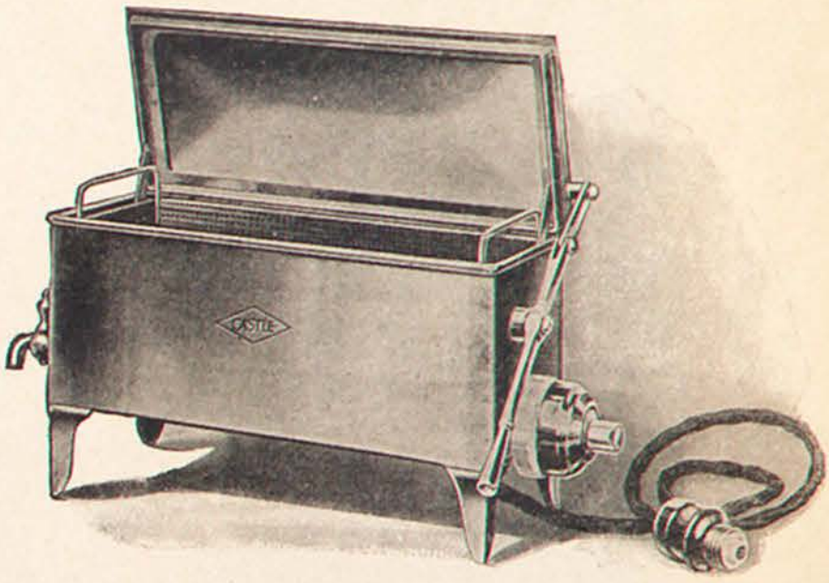
G–150 Instrument and Dressing Cabinet combined, with polished plate-glass doors, sides and shelves, locks and keys for doors and drawers, size over all, 62 x 30 x 16 inches, white enameled.

G–155 Instrument Cabinet, with polished plate-glass door, sides and shelves, size over all, 56 x 20 x 16 inches, white enameled.

Complete catalogue of office furniture sent on request.



G–200



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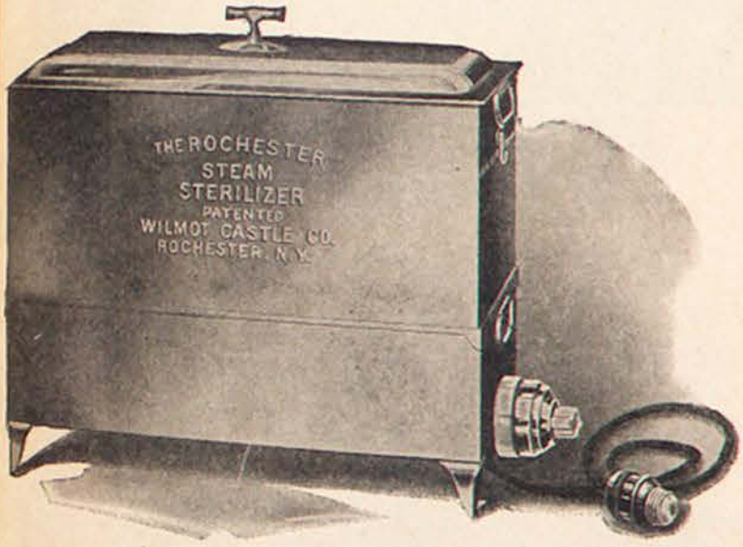
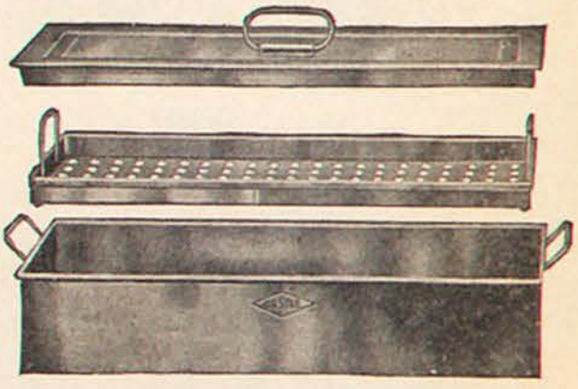


G–205



G–215

Office Sterilizers

G–200 Rochester Dressing and Instrument Sterilizer combined, copper, nickel plated, for gas heating, sizes: 10 x 4½ x 4½ inches; 14 x 6 x 6 inches; 16 x 6¾ x 7 inches; 18 x 7½ x 8 inches; 22 x 10 x 10 inches.

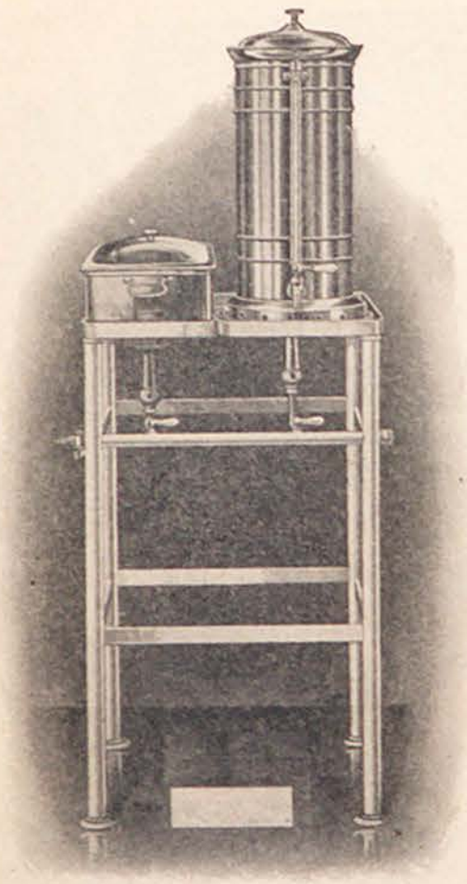
G–205 Rochester Dressing and Instrument sterilizer combined, copper, nickel plated, for electric heating, direct or alternating current, sizes the same as gas-heated sterilizers. When ordering state voltage.

G–210 Instrument Sterilizer, copper, nickel plated, with safety cover raising device, electrically heated, direct or alternating current, sizes: 10½ x 5 x 3¼ inches; 13 x 5 x 3¼ inches; 16 x 6 x 3½ inches. When ordering state voltage.

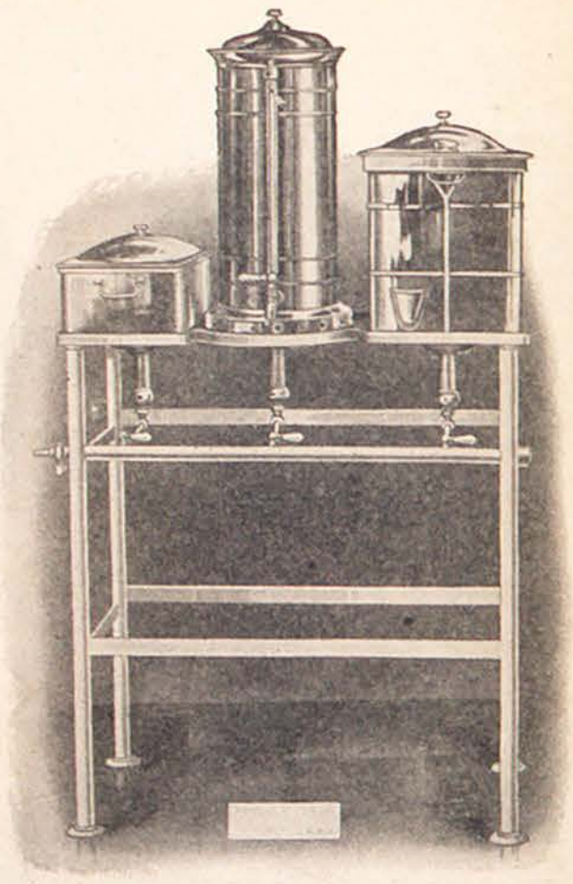
G–215 Instrument Sterilizer, copper, with tray, sizes: 6½ x 4¼ x 4¼ inches; 9 x 5 x 1½ inches; 11 x 5½ x 1¾ inches; 13 x 6 x 2½ inches; 16 x 5 x 3 inches; 16 x 6½ x 3¼ inches; 18 x 7 x 3½ inches.

*G–220 Instrument Sterilizer, copper, with tray and folding legs, sizes: 8 x 5 x 2½ inches; 12 x 5 x 2½ inches; 16 x 3 x 3 inches; 16 x 5 x 2½ inches; 16 x 6 x 2½ inches; 16 x 6 x 3 inches; 17½ x 6 x 3 inches.

Complete illustrated list of office sterilizers sent on request.



G–230



G–235

Office Sterilizers

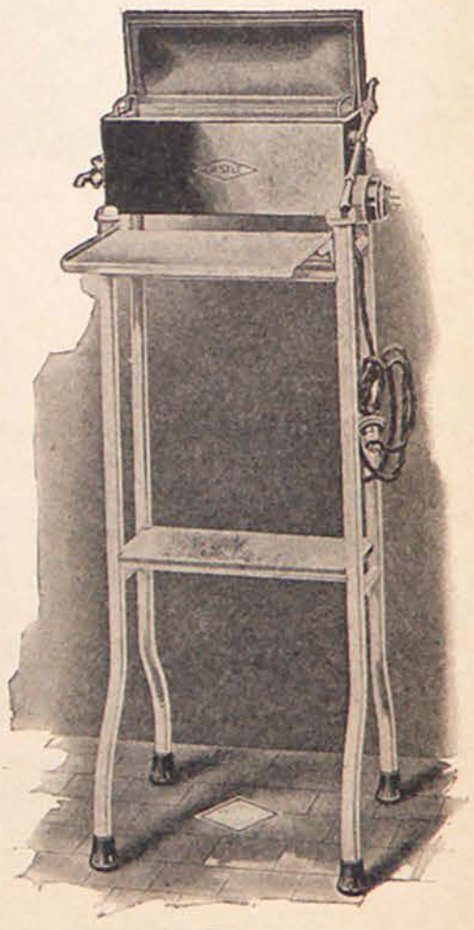
G–230 **The Monona,** Water and Instrument Sterilizing Plant, on white enameled stand, nickel-plated copper sterilizers, with gas, gasoline or denatured alcohol burners.

G–235 **The Wisconsin,** Water, Instrument and Dressing Sterilizing Plant, on white enameled stand, nickel-plated copper sterilizers, with gas, gasoline or denatured alcohol burners.

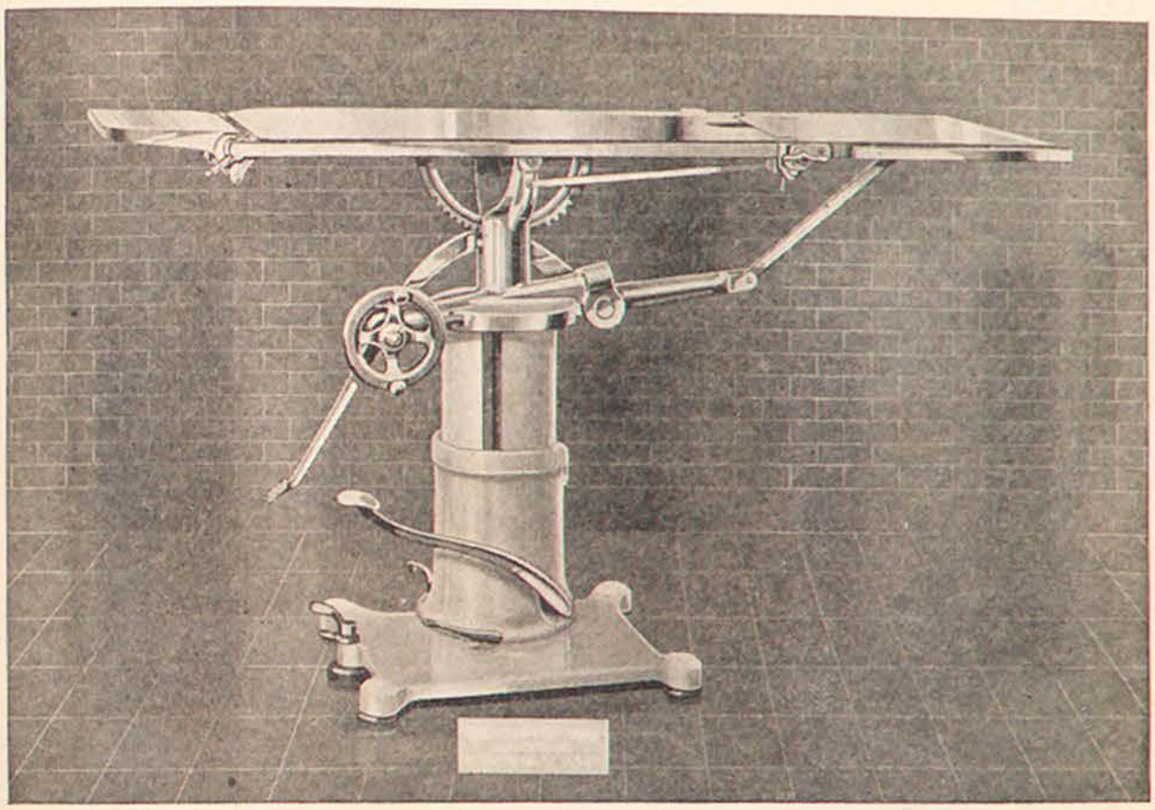
G–240 Instrument Sterilizer, copper, nickel-plated, with safety cover raising device, electrically heated, direct or alternating current, on white enameled stand with shelf for instruments, sizes, 10½ x5 x 3¼ inches, 13 x 5 x 3¼ inches, 16 x 6x 3½ inches.

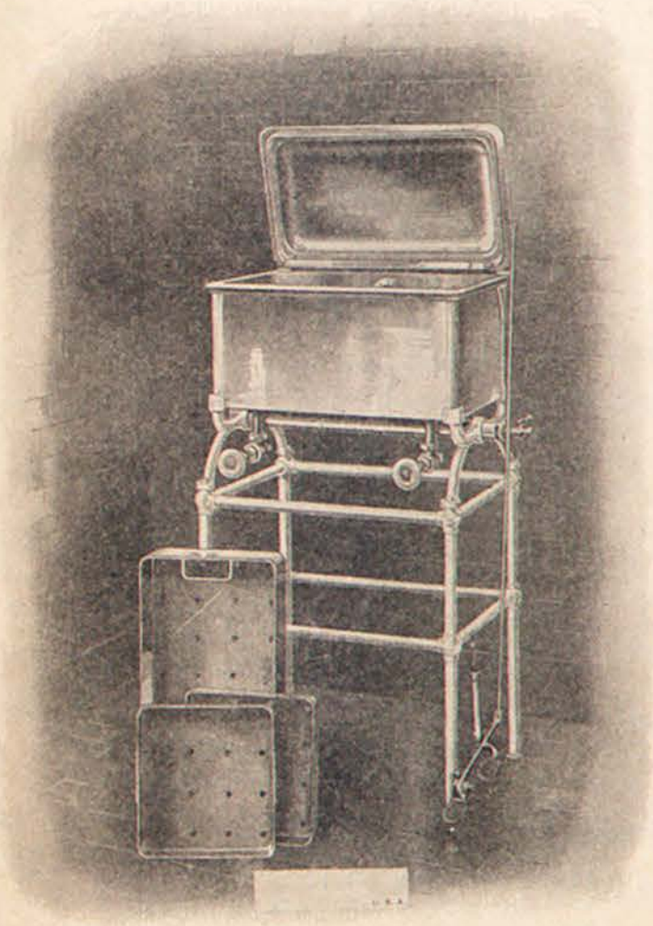
When ordering state voltage.

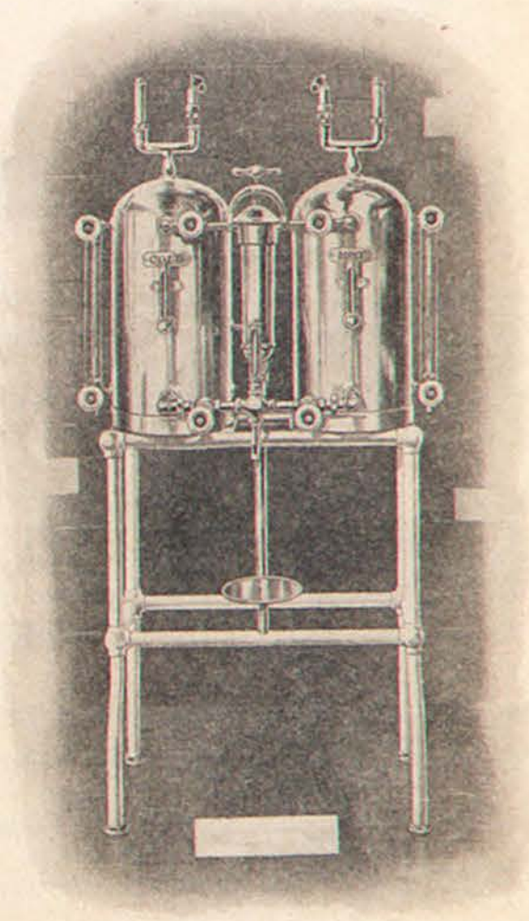
Complete illustrated list of office sterilizers sent on request.



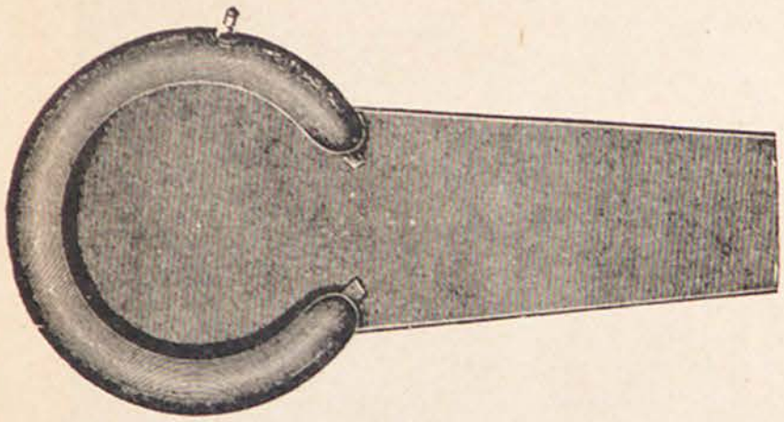
G–240



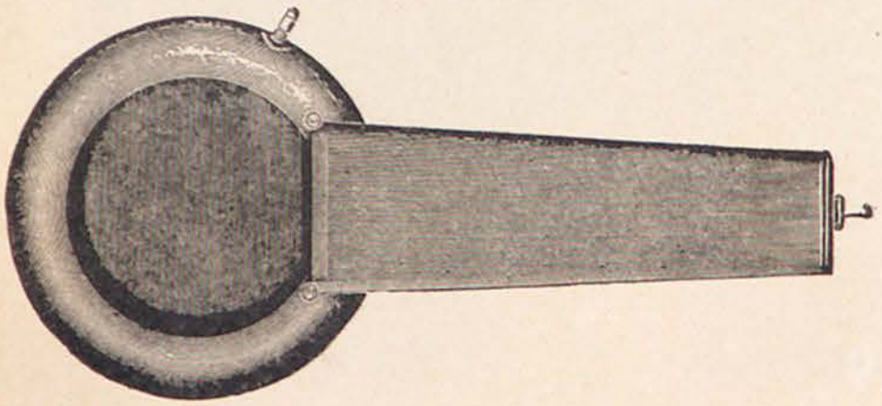




Complete Catalogue of Hospital Furniture and Equipment
Sent on Request



G–336 and 337, 341 and 342



G–338 and 339, 343 and 344



G–330

Surgical Sundries

Leg Holders

*G–300 **Edebohl's,** jointed, plated clamps.
*G–301 **Edebohl's,** jointed, bronzed clamps.
*G–302 Solid Rod, plated clamps.
*G–303 Solid Rod, bronzed clamps.

Stirrups

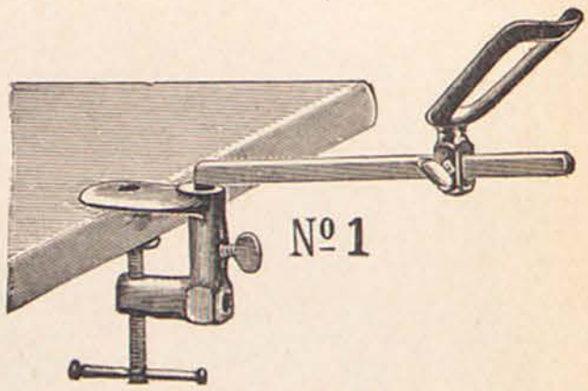
G–305 **Haslam's,** plated clamps.
G–306 **Haslam's,** bronzed clamps.
*G–310 **Morgan's,** rotary, plated clamps.
*G–311 **Morgan's,** rotary, bronzed clamps.
Circular of Morgan's Stirrups on Application.

Combination Leg Holders and Stirrups

*G–315 **Edebohl's,** jointed leg holders, stirrups and plated clamps.
*G–316 **Edebohl's,** jointed leg holders, stirrups and bronzed clamps.
*G–317 Solid Leg Holders, stirrups and plated clamps.
*G–318 Solid Leg Holders, stirrups and bronzed clamps.

Surgeon's Operating Cushion

G–330 **Edebohl's,** kidney.



G–305-306

Kelly Operating Cushions Made from Finest Maroon Rubber

*G–335 Perineal, 14 x 34 inches.
G–336 General Operating, 20 x 44 inches.
G–337 General Operating, 24 x 44 inches.
G–338 General Operating, with open sleeve, 20 x 44 inches.
G–339 General Operating, with open sleeve, 24 x 44 inches.

Kelly Operating Cushions Pure Gum, Cloth Inserted

Very light weight and serviceable. Each cushion is furnished with a compact waterproof carrying cover or pouch.

*G–340 Perineal, 14 x 34 inches.
G–341 General Operating, 20 x 44 inches.
G–342 General Operating, 24 x 44 inches.
G–343 General Operating, with open sleeve, 20 x 44 inches.
G–344 General Operating, with open sleeve, 24 x 44 inches.



G–365

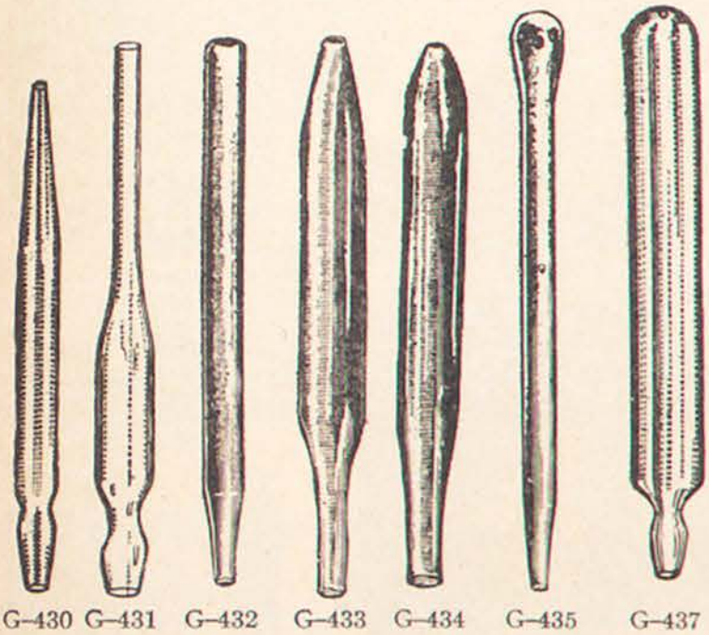

G–380

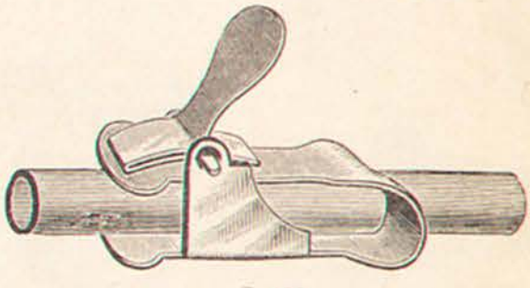

G–385

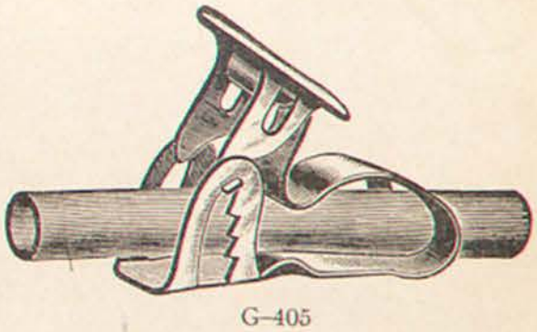

G–370



G–375


G–430 G–431 G–432 G–433 G–434 G–435 G–437


G–400


G–405

Irrigators, etc.

*G–360 Irrigator, glass, graduated, without handle, 1000 grams, 2000 grams, 3000 grams.
G–365 Irrigator, glass, graduated, with handle, 1000 grams, 2000 grams, 3000 grams.
G–370 Irrigator, glass, conical form, ½ gallon, 1 gallon, 2 gallons, 3 gallons.
G–375 Irrigator, glass, with graduated metal frame, 1000 grams, 2000 grams, 3000 grams.
G–380 Irrigator, white enameled steel ware, seamless, 1 quart, 2 quarts, 3 quarts, 4 quarts.
G–385 Irrigator, white enameled steel ware, with handle, seamless, 1 quart, 2 quarts, 3 quarts, 4 quarts.

Irrigator Cut-offs

G–400 American pattern, metal.
G–405 American pattern, metal, with ratchet.
*G–410 **Esmarch's,** hard rubber, with 2 tips.
*G–415 **Valentine's,** metal, with shield.

Irrigator Tips

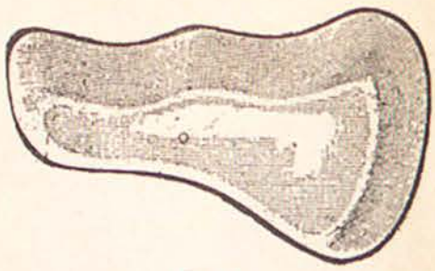
G–430 Plain, glass.
G–431 Conical, glass.
G–432 Enema, glass.
G–433 **Valentine's,** urethral, glass.
G–434 **Valentine's,** urethral, glass.
G–435 Vaginal, straight, glass
*G–436 Vaginal, curved, glass.
G–437 Vaginal, heavy, glass (also used for abdominal douching).



G–450-455



G–465-467



G–460



G–470



G–475



G–480



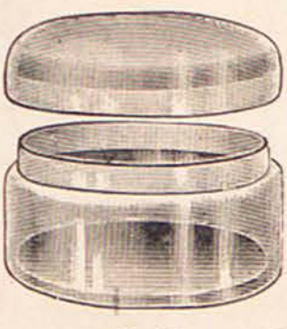


G–495





G–500



G–490



G–505



G–485

Basins, Bottles, Boxes, Jars

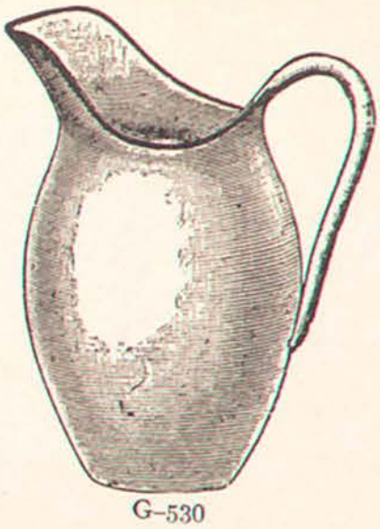
G–450 Basin, dressing, glass, kidney shaped, 8 inches, 10 inches, 12 inches.
G–455 Basin, dressing, white steel enamel ware, kidney shaped, 6 inches, 8 inches, 10 inches, 12 inches.
G–460 Basin, dressing, white steel enamel ware, **Smith's** universal pattern.
G–465 Basin, glass, crystal, 6 inches, 7½ inches, 9¾ inches, 11¾ inches, 13¾ inches.
G–466 Basin, glass, blue, 6 inches, 7½ inches, 9¾ inches, 11½ inches, 13¾ inches.
G–467 Basin, glass, ruby, 6 inches, 7½ inches, 9¾ inches, 11½ inches, 13¾ inches.
G–470 Basin, white steel enamel ware, shallow, 8 inches, 10 inches, 12 inches, 14 inches, 16 inches.
G–475 Basin, white steel enamel ware, deep form, 8 inches, 10 inches, 12 inches, 14 inches, 16 inches.
G–480 Bottle, crystal, with narrow mouth, ground stopper, 1 gallon, 2 gallons, 3 gallons.
G–485 Bottle, crystal, with wide mouth, ground stopper, 1 gallon, 2 gallons, 3 gallons.
G–490 Box, glass, for needles, 3¼ inches.
G–495 Box, white enameled steel, 2 x 3¼ inches, 2¼ x 4 inches.
G–500 Jars, glass, crystal, fine, 4¾ x 4¾ inches, 6 x 6 inches, 8¼ x 8¼ inches.
G–505 Jars, glass, crystal, with ground in, air-tight and dust-proof overlapping cover—height, inches: 2, 2½, 3¼, 4, 5 and 6; diameter, inches: 2, 2½, 3¼, 4, 5 and 6.
G–510 Jars, white enameled steel, for dressings, 4¼ x 5 inches, 5½ x 6 inches. 6½ x 7 inches.



G–510



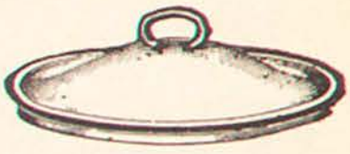
G–520

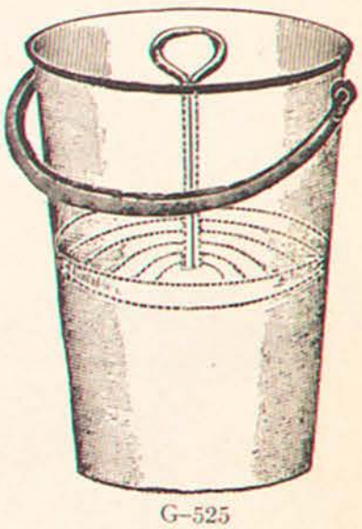


G–530



G–575





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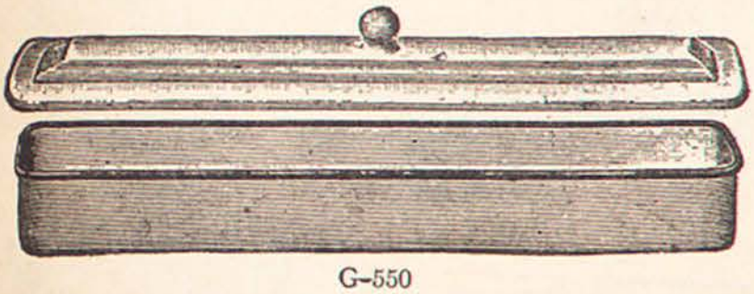
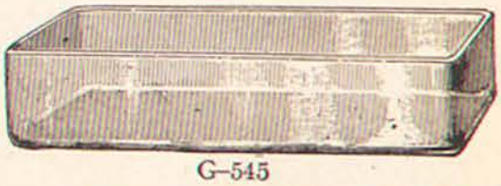


G–550



G–555



G–545

Buckets, Pitchers, Trays, etc.

G–520 Bucket, plain, white enameled steel ware, 12¾ quarts.

G–525 Bucket, white enameled steel ware, for soiled dressings, with perforated drain for separating dressings from the fluids.

G–530 Pitcher, white enameled steel ware, 2 quarts, 3 quarts, 4 quarts.

G–535 Sterilizer, white enameled steel ware, 16 inches long.

G–536 Sterilizer, white enameled steel ware, 18 inches long.

*G–540 Tray, glass, straight walls with glass cover, 15 x 3 x 4 inches.

*G–541 Tray, glass, long form, with knobbed cover, 12 x 2¾ inches.

G–545 Tray, glass, oblong form, crystal, straight walls, 6¾ x 4¼ x 1¾ inches, 9 x 4¾ x 2 inches, 10½ x 6½ x 2¼ inches, 12 x 7 x 2¼ inches, 13¾ x 8¾ x 2¾ inches, 15¾ x 9¾ x 3 inches.

G–550 Tray, white enameled steel ware, with cover, 15¾ x 3 x 2½ inches.

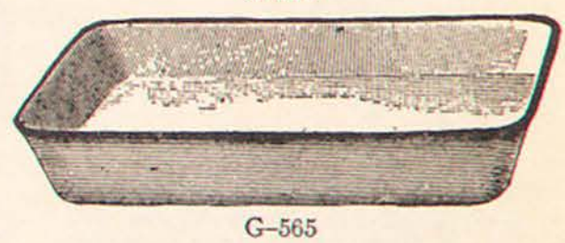
G–555 Tray, white enameled steel ware, narrow, shallow, 8¼ x 3¼ x 1¼ inches, 12¼ x 4 x 1¼ inches, 16½ x 4¼ x 1¼ inches.

G–560 Tray, white enameled steel ware, with lip, 15 x 9 x 2 inches.

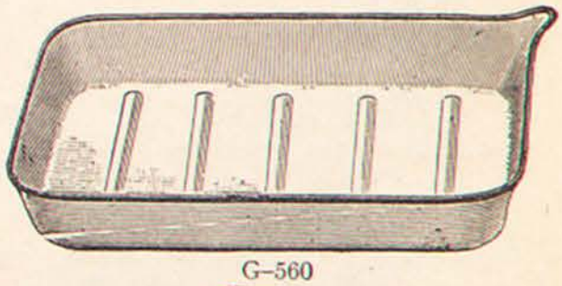
G–565 Tray, white enameled steel ware, deep form, without handles, sizes: 8¾ x 5⅛ x 2 inches, 10¼ x 6¼ x 2¼ inches, 11¾ x 7½ x 2½ inches, 13½ x 8¼ x 2¾ inches, 15 x 9 x 2¾ inches, 16½ x 9½ x 2¾ inches, 18¼ x 10 x 3 inches, 20 x 12 x 3 inches.

*G–570 Tray, white enameled steel ware, deep form, with handles, sizes: 10¼ x 6¼ x 2¼ inches, 13½ x 8¼ x 2¾ inches, 16½ x 9½ x 2¾ inches, 20 x 12 x 3 inches, 11 x 7¼ x 2⅜ inches, 14¼ x 8¾ x 2¾ inches, 17½ x 9¾ x 2¾ inches.

G–575 Tray, white enameled steel ware, oblong, 9 x 12 inches, 12 x 16 inches, 15 x 20 inches, 18 x 22 inches.



G–565



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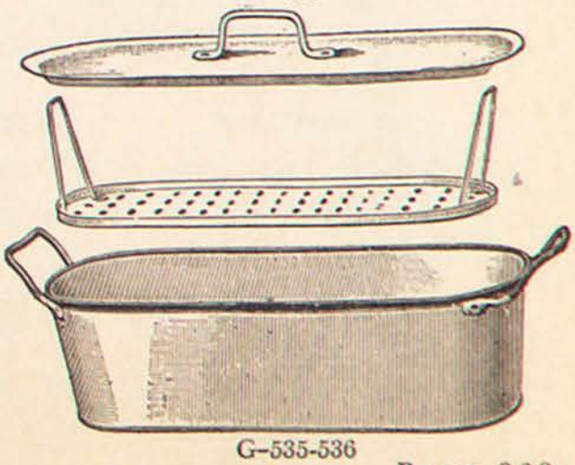
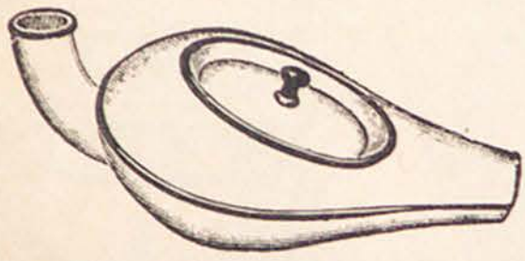


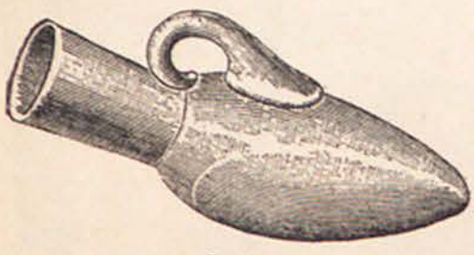
G–535-536



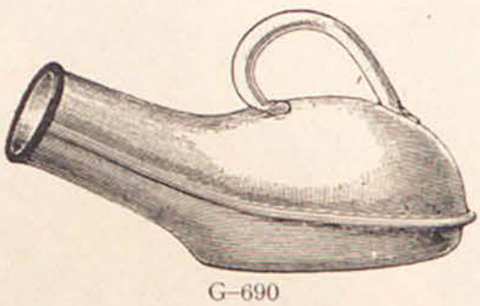
G–605



G–614-615



G–680



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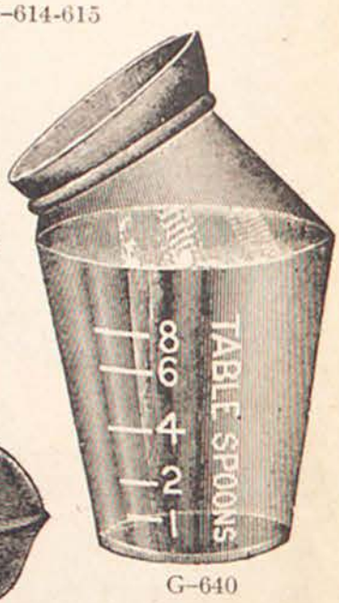

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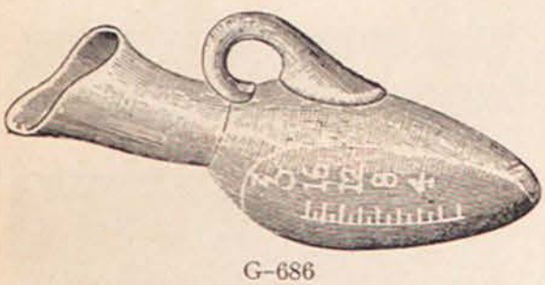

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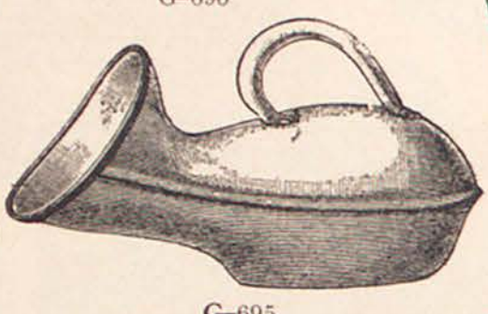

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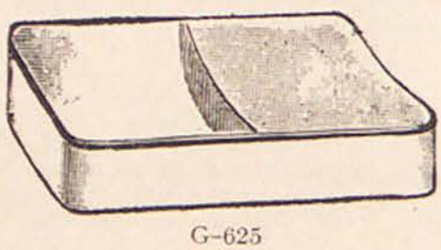


G–625

Sick Room Sundries

Bed Pans

*G–600 Bed Pan, Eureka, porcelain.

G–605 Bed Pan, French slipper pattern, white steel enameled ware.

*G–610 Bed Pan, Perfection, porcelain, No. 1, standard size.

*G–611 Bed Pan, Perfection, porcelain, No. 2, small size.

*G–612 Bed Pan, Perfection, gray enamel, No. 3, standard size.

*G–613 Bed Pan, Perfection, gray enamel, No. 5, small size.

G–614 Bed Pan, Perfection, white enamel, No. 4, standard size.

G–615 Bed Pan, Perfection, white enamel, No. 6, small size.

Douche Pans

*G–620 Douche Pan, Ideal, white enamel.

G–625 Douche Pan, Standard, white enameled steel ware.

Feeding and Drinking Cups

G–640 Ideal, glass.

*G–645 Simplex, No. 10, porcelain.

*G–646 Simplex, No. 12, white steel enameled ware.

Graduates

G–650 Glass, graduated in ounces, 1 ounce, 2 ounces, 4 ounces, 8 ounces, 16 ounces.

*G–655 Glass, graduated in metric and ounces, 30 cc., 60 cc., 125 cc., 250 cc., 500 cc., 1000 cc.

Medicine Glass

G–660 Glass, moulded.

Spit Cups

*G–665 Spit Cup, white enameled steel ware, hinged.

*G–666 Spit Cup Filler, made of fluted paper.

*G–670 Spit Cup, Simplex, paper, with hinged cover.

*G–671 Spit Cup Holder, Simplex, wire.

Urinals

G–680 Male, glass, plain.

*G–681 Male, glass, graduated.

*G–685 Female, glass, plain.

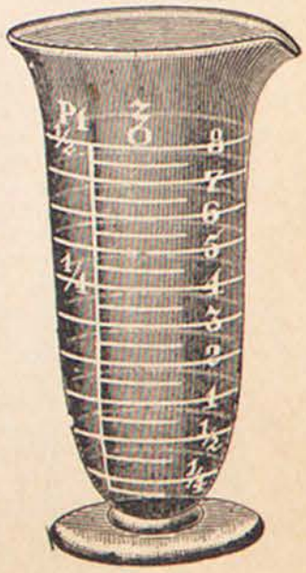
G–686 Female, glass, graduated.

G–690 Male, white steel enameled ware.

G–695 Female, white steel enameled ware.



G–660



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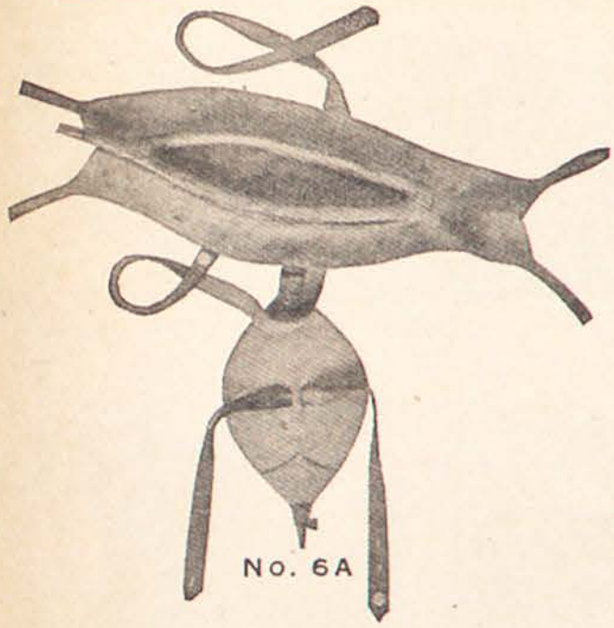

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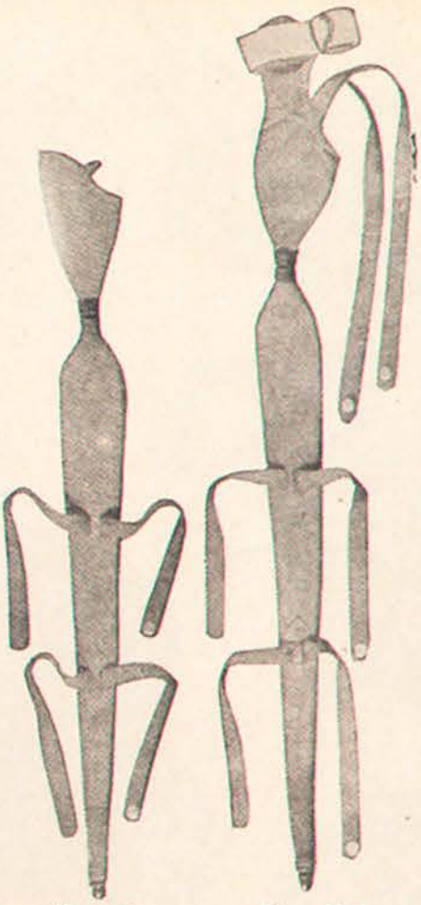
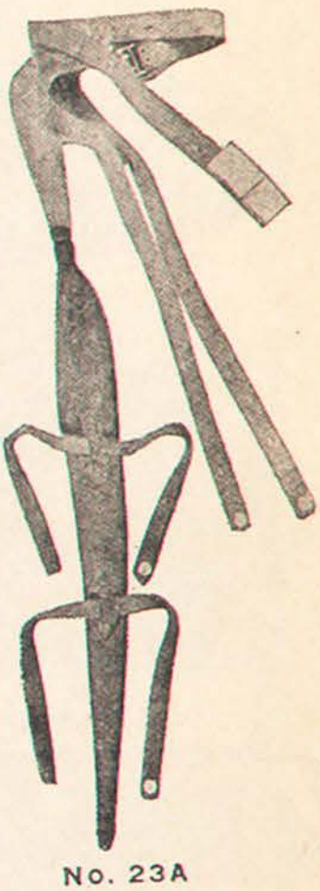
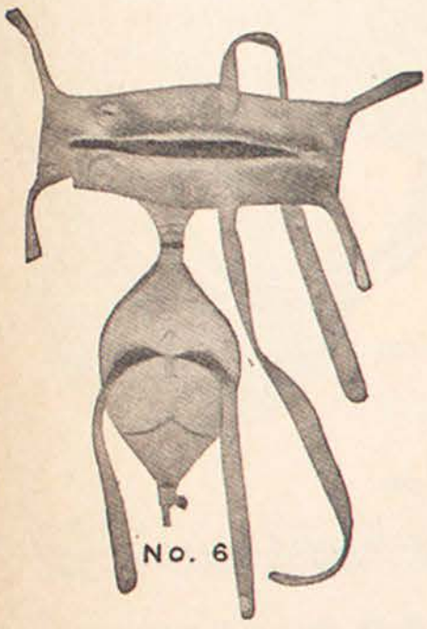


G–751

G–752



G–763



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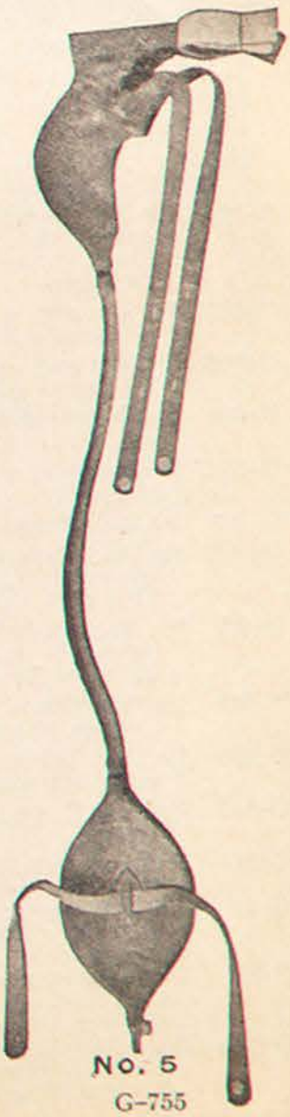


G–755

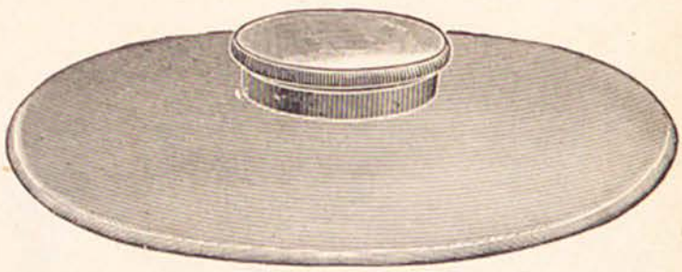
Rubber Goods for Invalids

Pure Rubber Urinals

*G–750 Male, day, No. 1.
G–751 Male, day, No. 3.
G–752 Male, day, No. 3A.
*G–753 Male, day, No. 4.
*G–754 Male, day, No. 4A.
G–755 Male, day, No. 5.
*G–756 Male, day and night, No. 5A.
*G–757 Male, day and night, No. 7A.
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–758 Male, day, No. 11, child's size, same style as No. 1.
*G–759 Male, day, No. 13, child's size, same style as No. 3
*G–760 Male, day, No. 13A, child's size, same style as No. 3A.
*G–761 Male, day, No. 15, child's size, same style as No. 5.
*G–762 Male, day and night, No. 23.
G–763 Male, day and night, No. 23A.
*G–764 Female, day, No. 2.
G–765 Female, day, No. 6.
G–766 Female, day and night, No. 6A.
*G–767 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.
*G–768 Female, day, No. 16, child's size, same style as No. 6
*G–769 Female, day and Night, No. 16A, child's size, same style as No. 6A.



G–800



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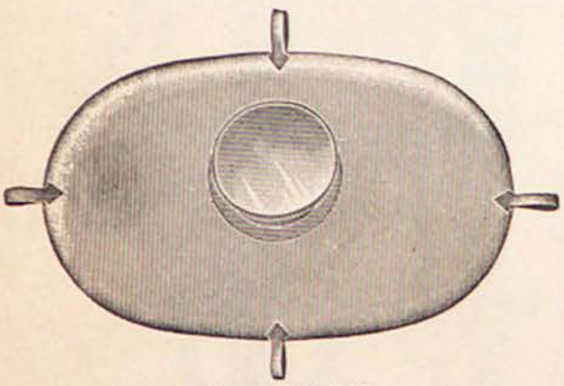
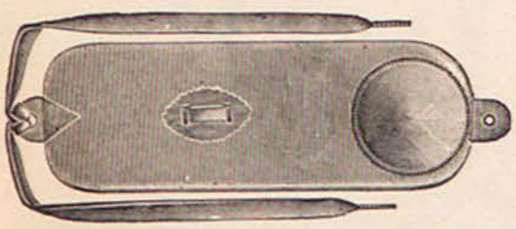
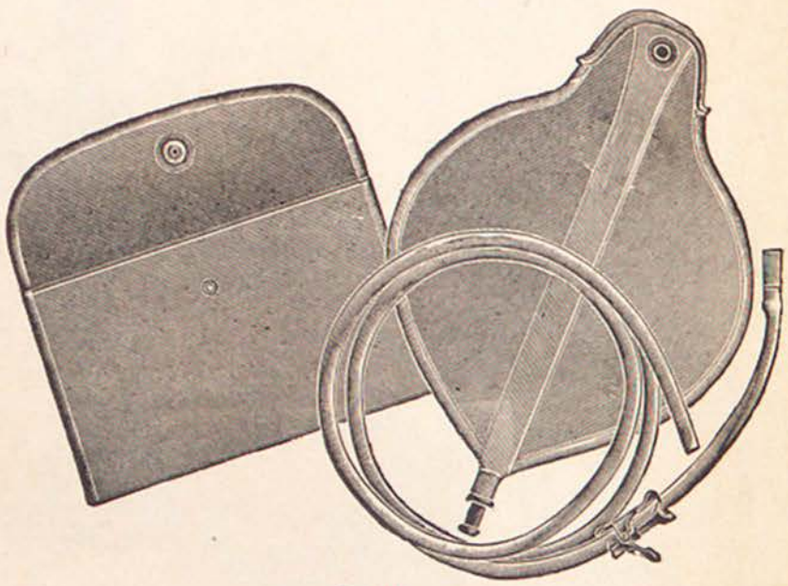


G–802-803-804



G–807



G–840

Rubber Goods for Invalids

Ice Bags, Water Bottles and Fountain Syringes

G–800 Ice Bag, durable, double coated, cloth inserted, pure gum outside, white rubber inside, screw cap, 6 inches, 9 inches, 12 inches.

G–801 Ice Bag, pure gum, all rubber, screw cap, soft and flexible, 9 inches.

G–802 Ice Bag, oval, pure gum, cloth inserted, screw cap, 8 x 11 inches.

G–803 Ice Bag, oval, pure gum, all rubber, screw cap, 8 x 11 inches.

G–804 Ice Bag, oval, maroon, all rubber, moulded in one piece.

*G–805 Ice Bag, Sprague's, mastoid.

*G–806 Ice Bag, plain, pure gum, all rubber, 9 x 3¼ inches, 10¾ x 3⅝ inches, 10 x 5¼ inches, 11⅛ x 5¾ inches.

G–807 Ice Bag, Spinal, pure gum, 10 inches, 12 inches, 14 inches, 16 inches, 18 inches, 20 inches, 22 inches.

*G–808 Ice Bag, Throat, pure gum, 7 inches, 8 inches, 9 inches, 10 inches, 11 inches.

*G–809 Ice Bag, Throat, chocolate rubber, cloth inserted, screw cap, flexible.

*G–810 Ice Bag, Eye, pure gum, screw cap, for both eyes.

*G–815 Ice Cap, Davol's, helmet shape, pure gum, screw cap, small, medium and large.

*G–820 Water Bottle, Throat, chocolate rubber, cloth inserted, will adjust itself to any size neck and retain its position.

*G–825 Hot Water Bottle, made of best white rubber, with reinforced seams; 2 quarts, 3 quarts 4 quarts.

*G–826 Hot Water Bottle, made of best maroon rubber with extra heavy reinforced seams; 2 quarts, 3 quarts, 4 quarts.

*G–827 Hot Water Bottle, made of best chocolate colored rubber, pure Para gum, moulded in one piece, fully guaranteed; 2 quarts, 3 quarts.

*G–828 Hot Water Bottle, made of best tan rubber, cloth inserted, very strong and very light; 2 quarts, 3 quarts, 4 quarts.

*G–829 Hot Water Bottle, made of best white or slate colored rubber, covered with flannel; 2 quarts, 3 quarts, 4 quarts.

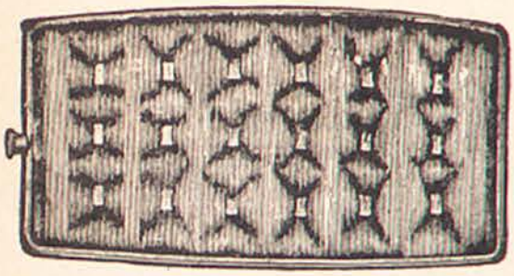
*G–835 Fountain Syringe, rapid flow, made of white rubber, complete with tubing, cut-off and 3 hard rubber rapid flow pipes; 1 quart, 2 quarts, 3 quarts.

*G–836 Fountain Syringe, rapid flow, made of best maroon rubber, complete with tubing, cut-off and 3 hard rubber rapid flow pipes; 1 quart, 2 quarts, 3 quarts.

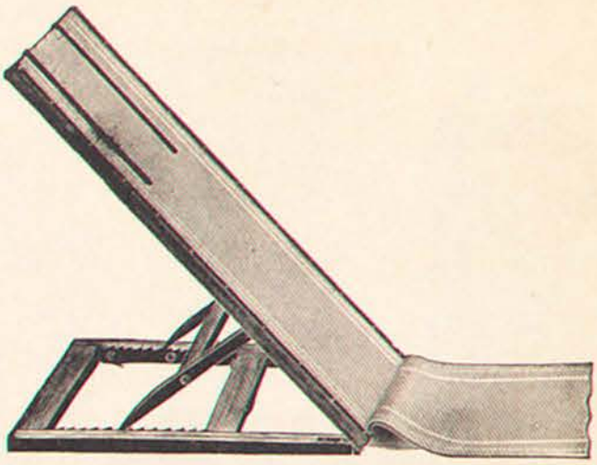
G–840 Fountain Syringe, Surgeon's, pure gum, with waterproof case for carrying. Complete with tubing and cut-off only. No pipes are furnished with this syringe. Can be used with any slip pipe; 2 quarts, 3 quarts, 4 quarts.

*G–845 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 quarts, 3 quarts, 4 quarts.

*G–846 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 quarts, 3 quarts, 4 quarts.



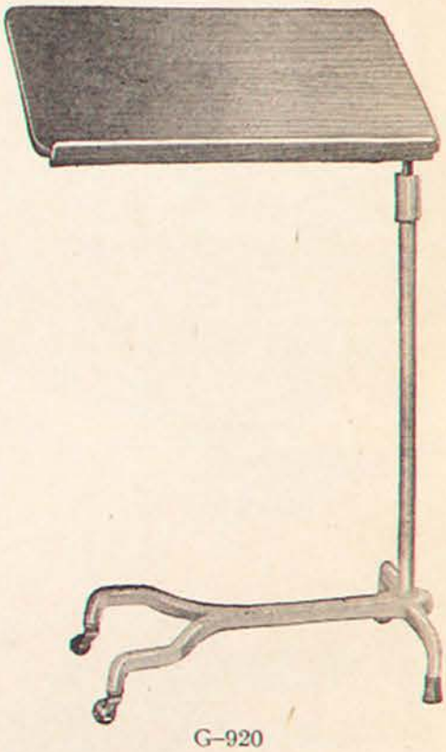
G–855



G–900



G–850



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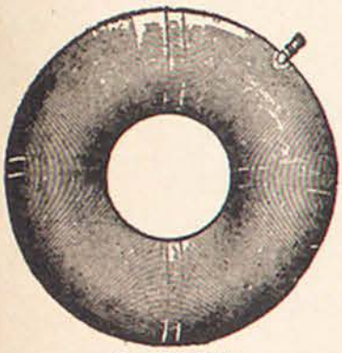
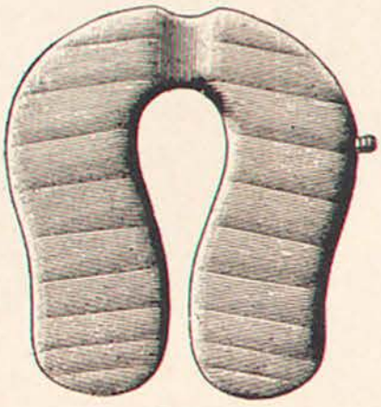


G–870-875



G–865

Rubber Goods and Sundries for Invalids

Pneumatic Air Goods

G–850 Air Beds, 32 x 80 inches, 42 x 80 inches, 52 x 80 inches.
*G–851 Air Bed, Pneumatic, 36 x 75 inches, 42 x 75 inches.
G–855 Water Bed, 24 x 36 inches, 32 x 80 inches, 42 x 80 inches, 52 x 80 inches.
G–860 Air Cushion, chair, hospital pattern, 17½ inches.
G–865 Air Cushion, chair, horseshoe shape, 14 inches, 16 inches.
G–870 Air Cushion, Invalid, white or slate colored rubber, cloth insertion, 8 inches, 10 inches, 12 inches, 14 inches, 16 inches, 18 inches.
G–875 Air Cushion, Invalid, light maroon rubber, 8 inches, 10 inches, 12 inches, 14 inches, 16 inches, 18 inches.

Rubber Sheeting

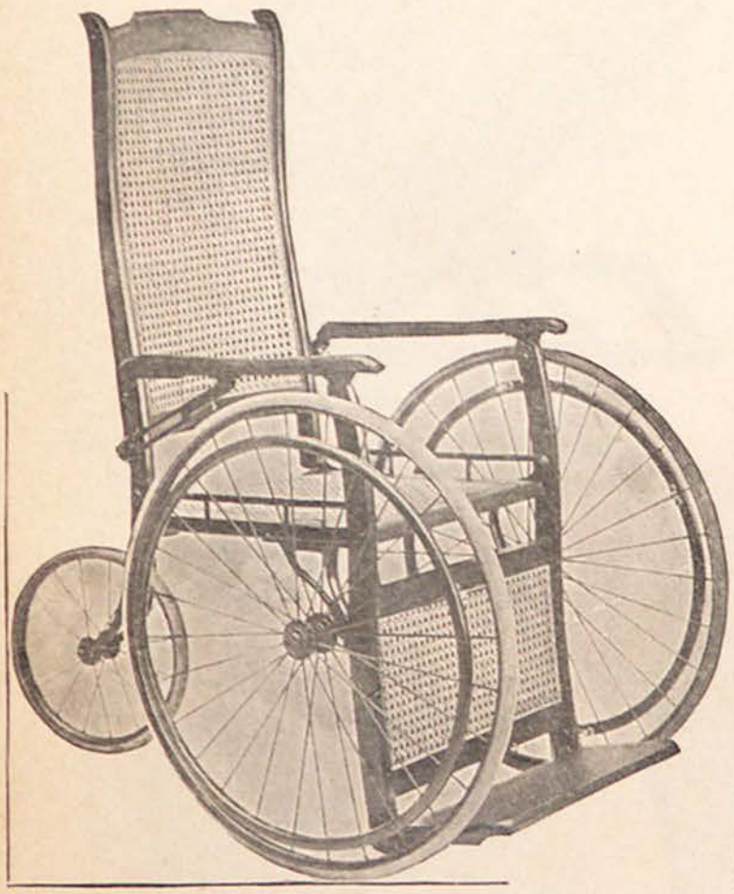
*G–880 Black, coated on one side, 36 inches, 45 inches, 54 inches.
*G–881 Black, coated on both sides, 36 inches, 45 inches, 54 inches.
*G–882 White, coated on one side, 36 inches, 45 inches, 54 inches.
*G–883 White, coated on both sides, 36 inches, 45 inches, 54 inches.
*G–884 Tan, coated on one side, 36 inches, 45 inches, 54 inches.
*G–885 Tan, coated on both sides, 36 inches, 45 inches, 54 inches.

Back Rests

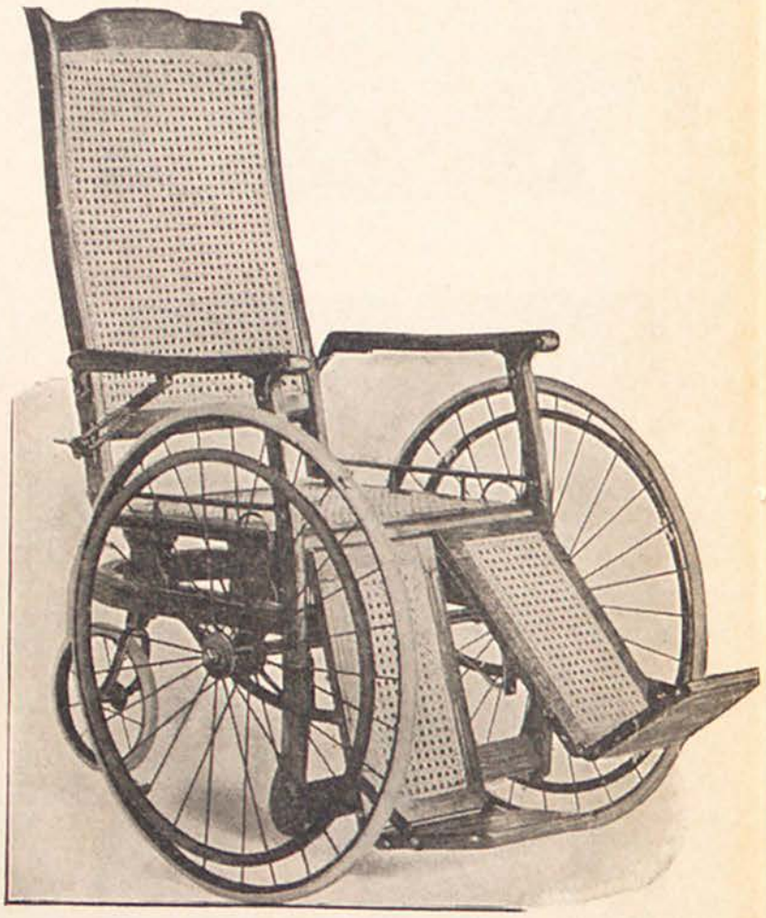
G–900 Back Rest, varnished, covered with a good quality of linen.
G–901 Back Rest, varnished, covered with duck or striped material.

Bedside Tables

G–920 White Enameled Stand, with **oak top**, 18 x 24 inches, adjustable to height and tilt.
*G–925 White Enameled Stand, with **porcelain enameled top,** 16 x 24 inches, adjustable to height and tilt.



G–950-952



G–960-962

Invalid Rolling Chairs

G–950 Reclining Rolling Chair, with one piece leg rest, large swivel rear wheel, hand rims on large wheels, **steel rim tires,** narrow seat or wide seat.

G–951 Reclining Rolling Chair, same as G–950, but with ¾ **inch rubber tires.**

G–952 Reclining Rolling Chair, same as G–950, but with **1 inch rubber tires.**

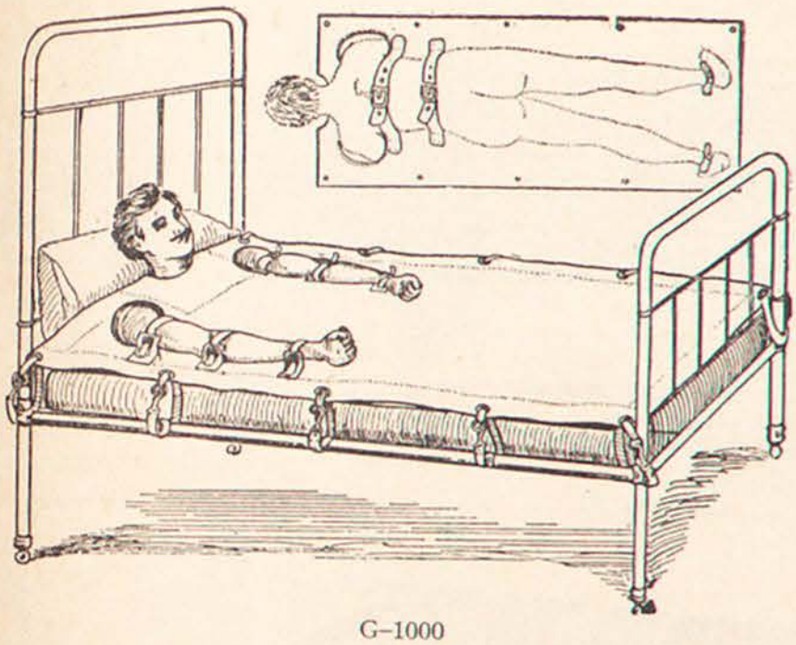
G–960 Reclining Rolling Chair, same as G–950, but with two piece or divided adjustable leg rest, **steel rim tires.**

G–961 Reclining Rolling Chair, same as G-960, but with ¾ **inch rubber tires.**

G–962 Reclining Rolling Chair, same as G–960, but with **1 inch rubber tires.**

When ordering specify whether narrow seat or wide seat is wanted.

Catalogue of a complete line of invalid rolling chairs sent on request



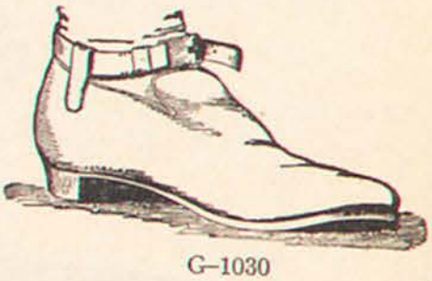
G–1000



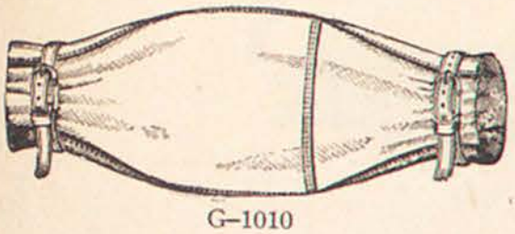
G–1045



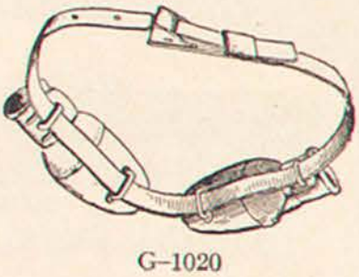
G–1005



G–1030



G–1010



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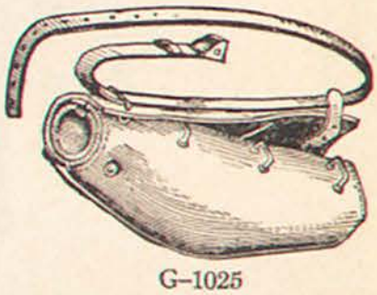

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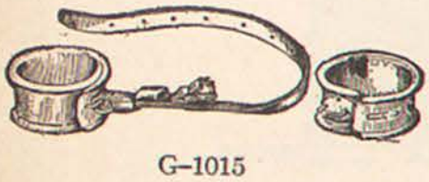
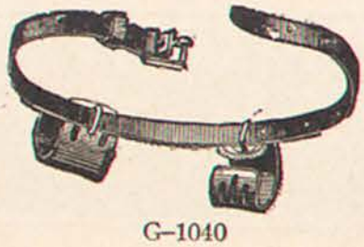
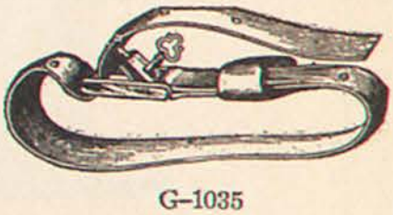


G–1015



G–1040



G–1035

Humane Restraint Appliances

G–1000 Humane Restraint Sheet, can be attached to any size bed, made of heavy duck, quilted at vital points, heavy webbing straps lined with canton flannel to prevent chafing.

G–1005 Canvas Mitts, with waist strap.

G–1010 Canvas Muff, with waist strap.

G–1015 Leather Anklets, with large buckles.

G–1020 Leather Mitts, with waist strap and lock buckle,

G–1025 Leather Muff, with waist strap and lock buckle.

G–1030 Leather Sole, Buckle and Strap, ready for attachment.

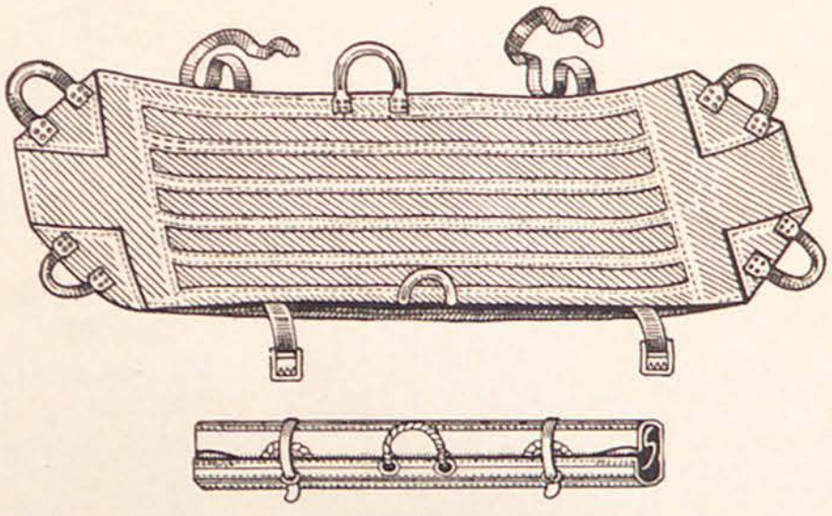
G–1035 Leather Waist Strap, with improved lock buckle.

G–1040 Leather Wristlets, with waist strap and buckle.

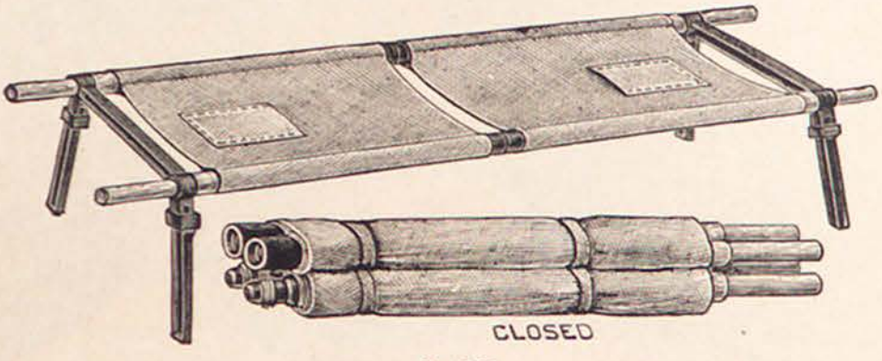
G–1045 Straight Jacket, made of very heavy canvas with heavy straps and buckles, sleeves 72 inches long, to admit of their being wrapped around the patient securely; short and long.

*G–1050 Straight Jacket, short, plain.

*G–1055 Straight Jacket, long, plain.



G–1060–1061



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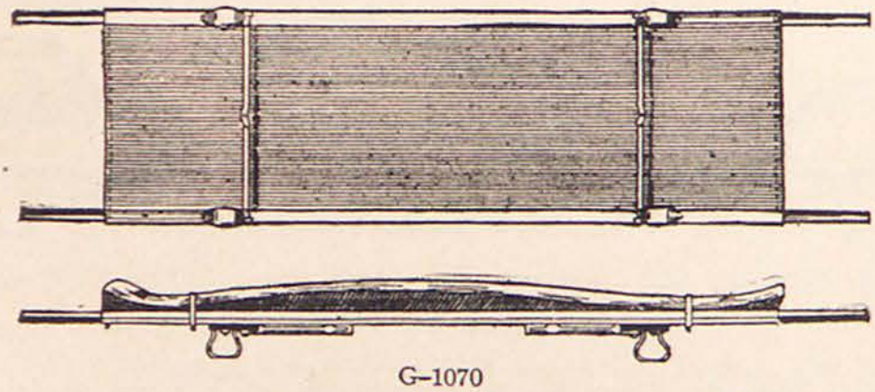


G–1070

Stretchers

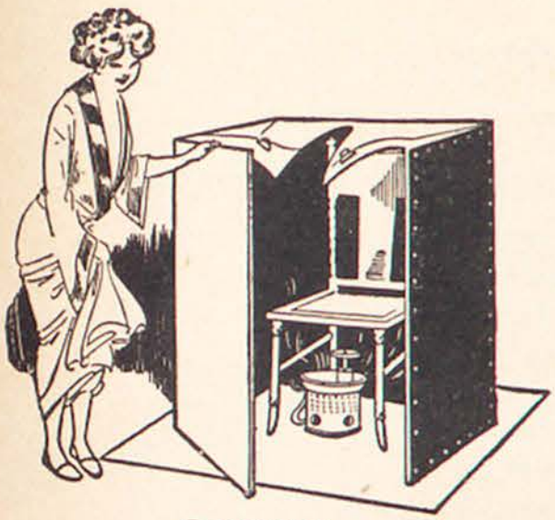
G–1060 **Reeves'** flexible, size, open, 76 x 26 inches, rolled up for transportation, 60 x 6 inches.

G–1061 **Reeves'** flexible, same as above but with canvas cover bag.

The Reeves' stretcher owing to its flexibility can be used where rigid stretchers are useless, in mines, shafts, on winding stairs, Pullman cars, etc.

G–1065 **Pilling's** portable, size, open, 88 x 24 inches, rolled up for transportation, 44 x 6 x 7 inches

G–1070 **U. S. Army Model,** folding. This stretcher folds up without the removal of any part.



G–1080-1085

Folding Bath Cabinets

G–1080 Steel frame, drill cover, rubber lined, with heater.

G–1085 Steel or wood frame, covered and lined with heavy material, with improved heater.

Descriptive circular sent on request.

Section "H"

Artificial Limbs

Deformity Apparatus

Fracture Apparatus

Splints

Splint Material

Elastic Hosiery

Abdominal Supporters

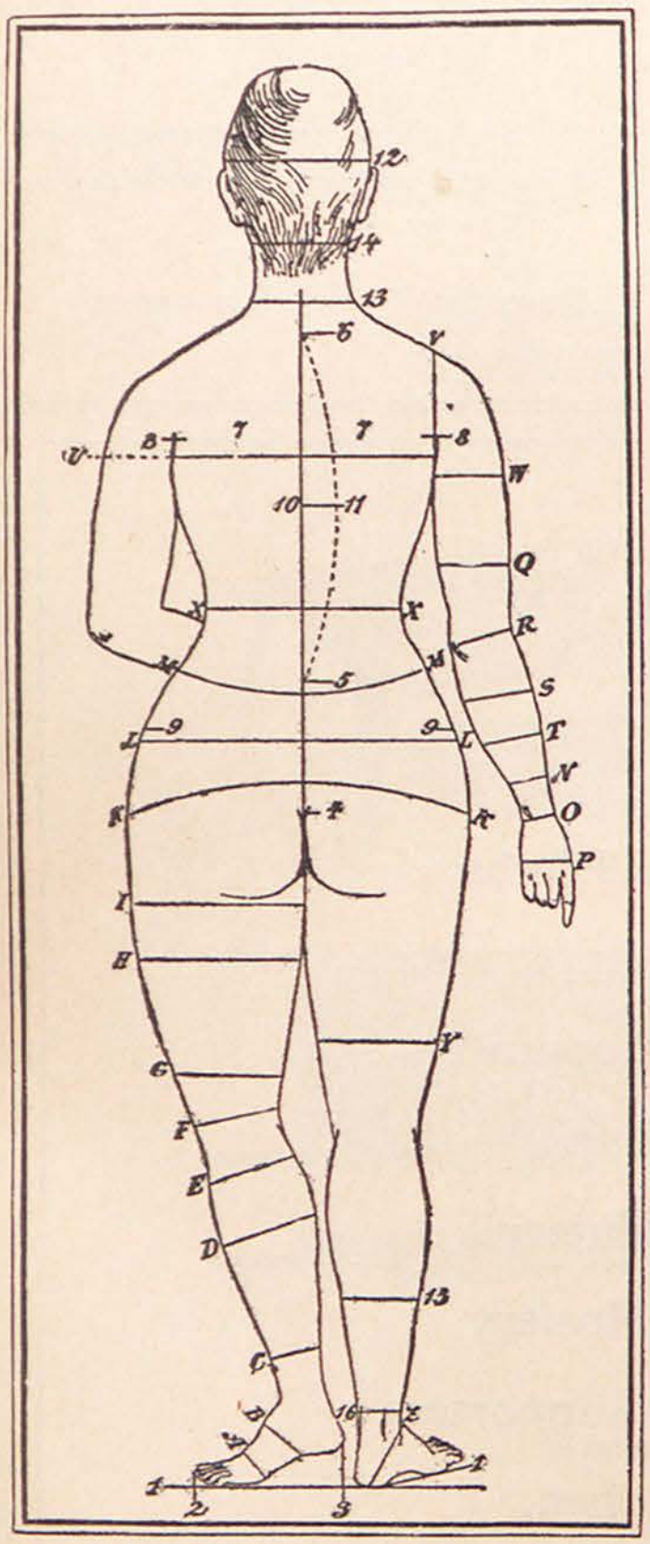
Crutches

Trusses

Suspensories, Etc.

Orthopedic Apparatus

DIAGRAM FOR ORTHOPEDIC MEASUREMENTS



Explanation of Letters and Figures

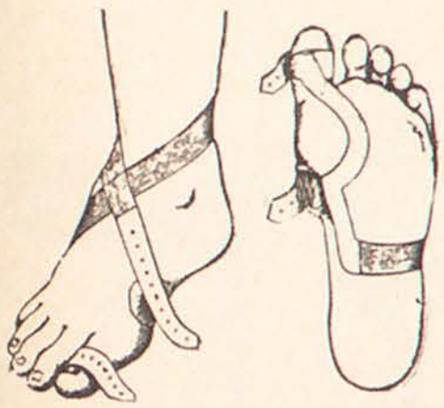
A Ball of foot.
B Instep.
C Above ankle.
D Calf.
E Upper calf.
F Knee.
G Above knee.
H Upper third of thigh.
I Thigh at perinaeum.
K Trochanter major.
L Circumference at pelvis.
M Circumference at umbilicus.
N Forearm above wrist.
O Wrist.
P Circumference of hand.
Q Arm above elbow.
R Arm at elbow.
S 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.

MEASUREMENTS FOR SHOES

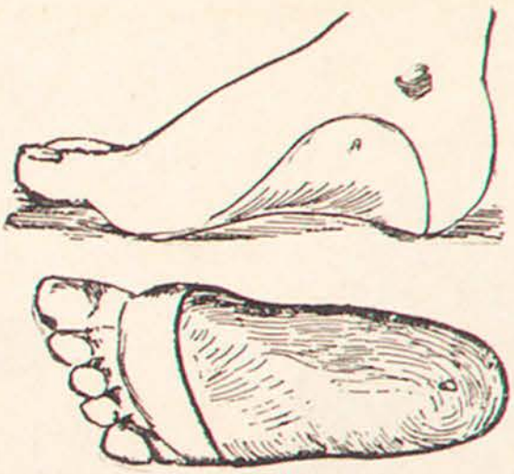
If we are to furnish shoes for deformity apparatus, send the following measurements:

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 instep (B).
7 Circumference at ball of foot (A).
8 Circumference at base of little toe.
9 State if for right, left, or both feet.

If a pair of shoes is wanted, send measurements for both feet.



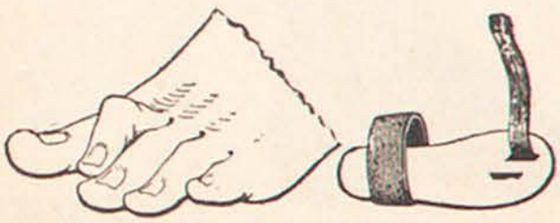
H–15



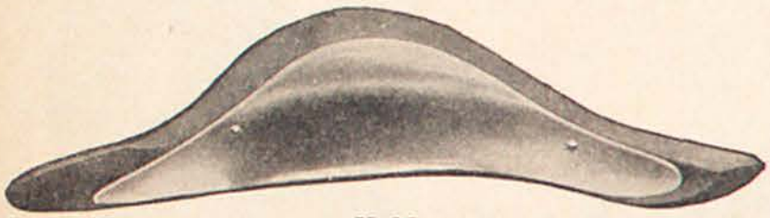
H–35



H–10



H–20



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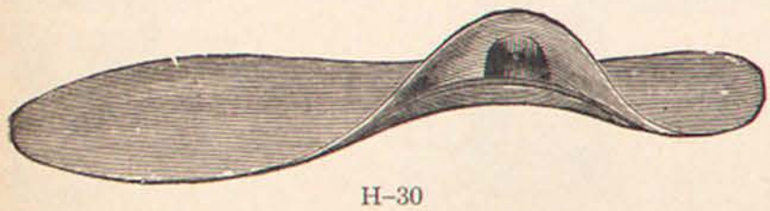

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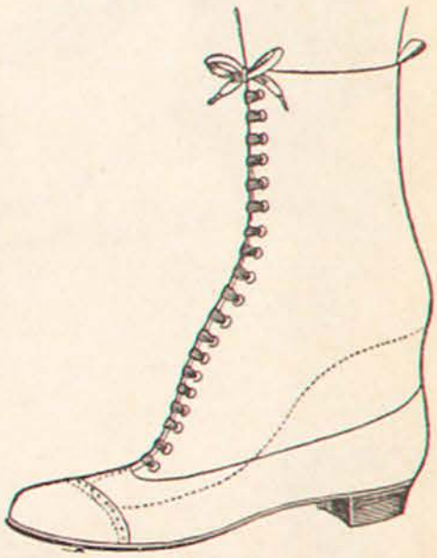
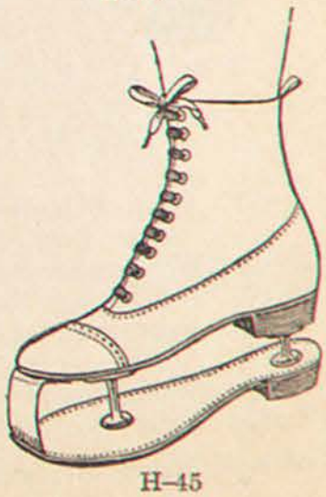


H–50



H–40

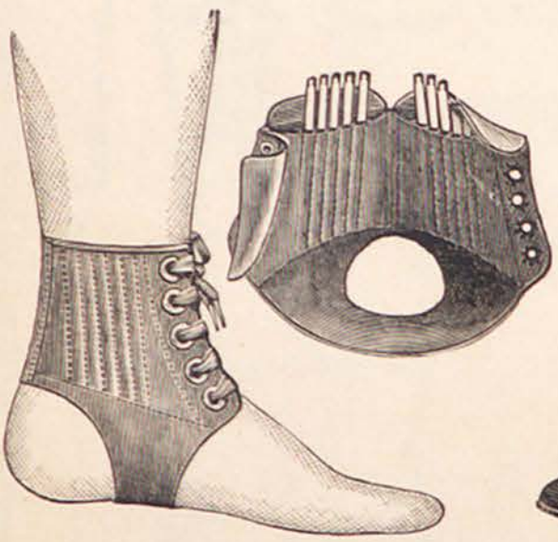


H–45

Orthopedic Apparatus

*H– 5 Apparatus for bunions, **Bigg's.**
H–10 Apparatus for bunions, **London's.**
H–15 Apparatus for bunions, **Seseman's.**
When ordering bunion apparatus mention size of shoe, state whether brace is for right or left foot, send outline drawing of naked foot, and circumference of large toe and of instep.
H–20 Apparatus for overriding or hammer toes. When ordering send tracing of foot, circumference of ball of foot and of instep.
H–25 Arch Instep Support, German silver spring, sole leather top.
H–30 Arch Instep Support, **London's,** full length, leather covered.
*H–31 Arch Instep Support, **London's,** half length, leather covered.
H–35 Arch Instep Support, made of steel or German silver, fitted to a plaster cast which must be sent with order.
H–40 Extension Shoe, with cork or willow wood sole.
H–45 Extension Shoe, with steel extension frame.
H–50 Extension shoe, with invisible extension.

Correspondence is invited. Detailed directions for measurements will be sent on request.



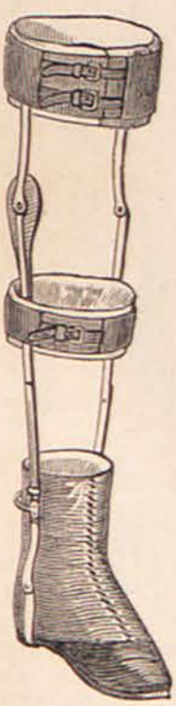
H–55



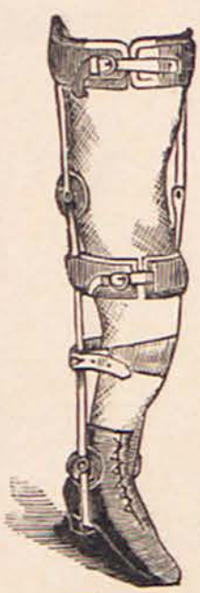
H–60



H–65



H–70



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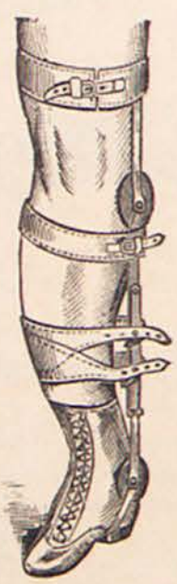
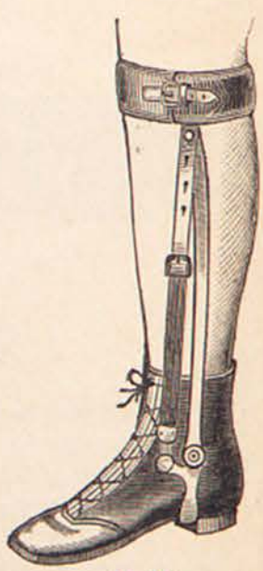


H–80

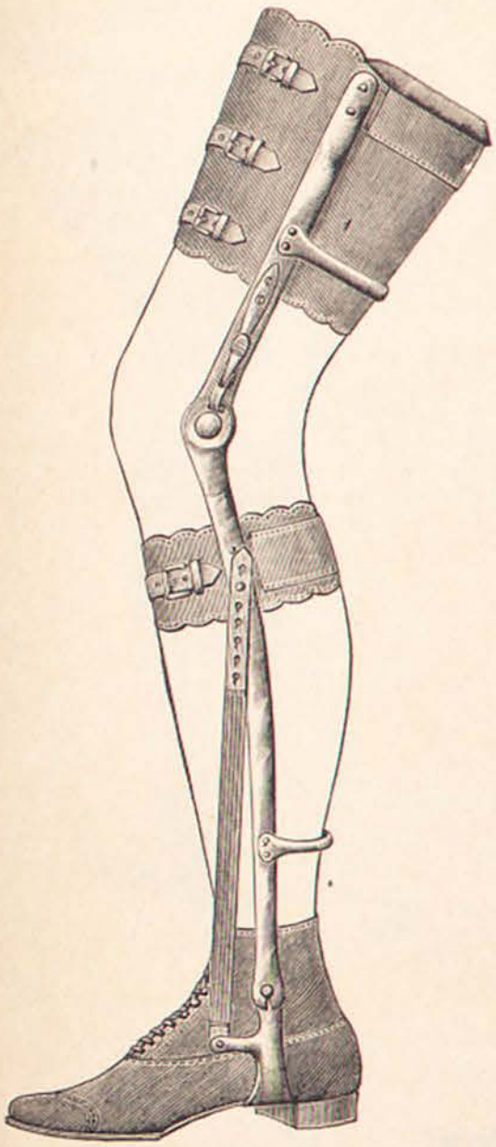


H–85

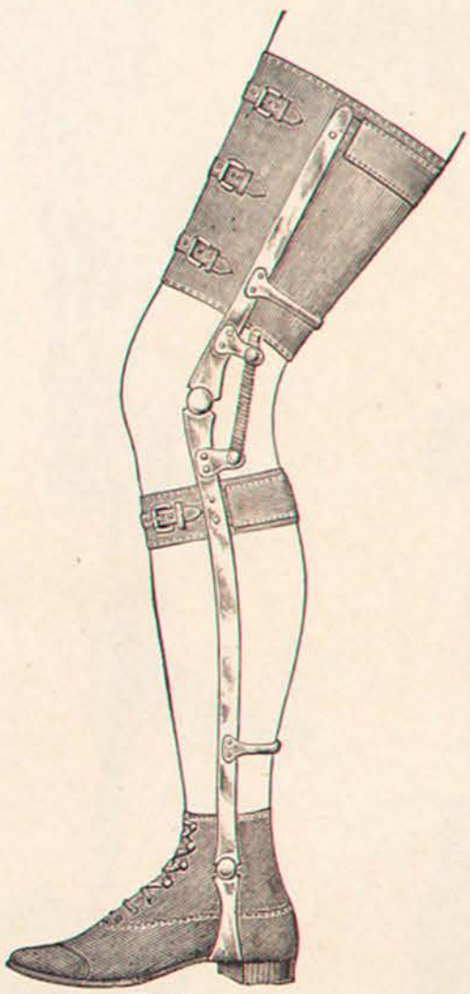
Orthopedic Apparatus

H–55 Ankle Supporter for weakness in ankle-joint, leather, men's sizes, 6 to 12; women's sizes, 3 to 8; children's sizes, 11, 12, 13, and 1 and 2.
H–60 Weak-ankle Support, single bar; to be worn inside of the shoe; intended for light cases.
H–65 Weak-ankle Support, double bar.
H–70 Apparatus for knock-knee (Genu Valgum).
H–75 Apparatus for bow-leg (Genu Varum); double bar.
H–80 Apparatus for bow-leg (Genu Varum); single bar.
H–85 Apparatus for Talipes Equinus.

Correspondence is invited. Detailed directions for measurements will be sent on request.



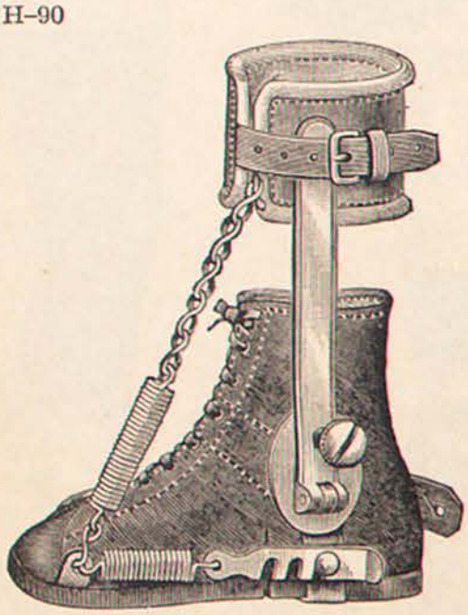
H–90



H–95



H–100



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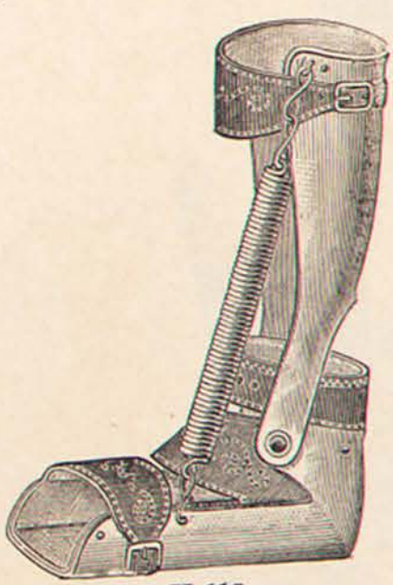
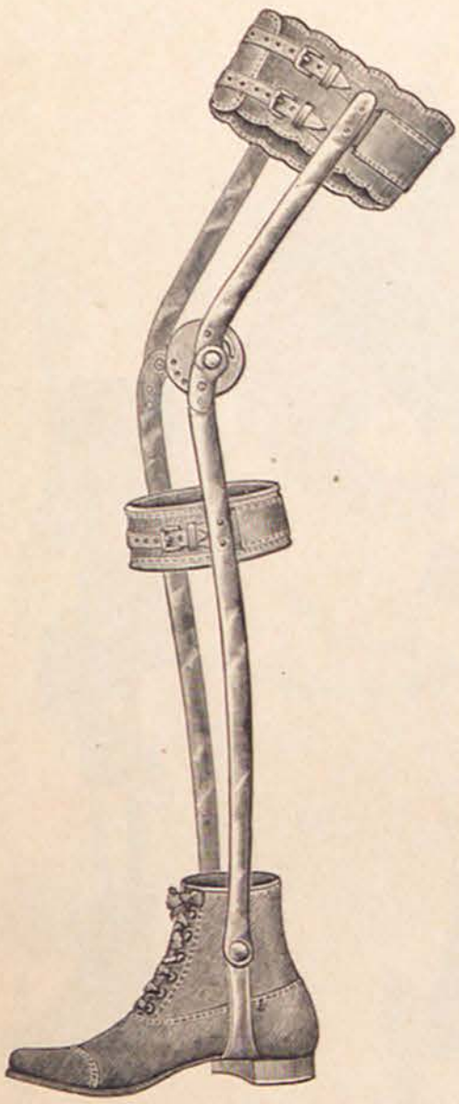


H–110

Orthopedic Apparatus

H– 90 Lock-joint Apparatus for paralysis of the leg and for support after resection of the tibia.
H– 95 Apparatus for anchylosis of the knee-joint.
H–100 Lock-joint Apparatus for paralysis of the knee and ankle-joints.
H–105 Club-foot Apparatus for Talipes Varus.
H–110 Splint for Talipes Varus and Valgus; for infants.

Correspondence is invited. Detailed directions for measurements will be sent on request.



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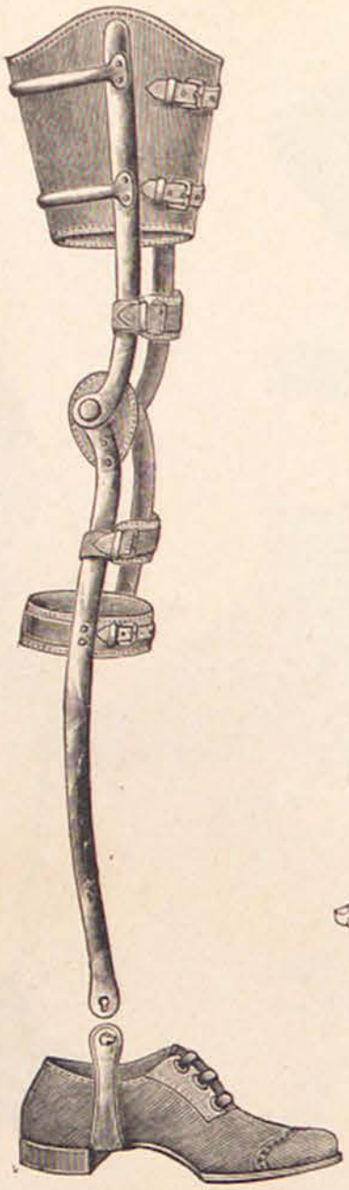

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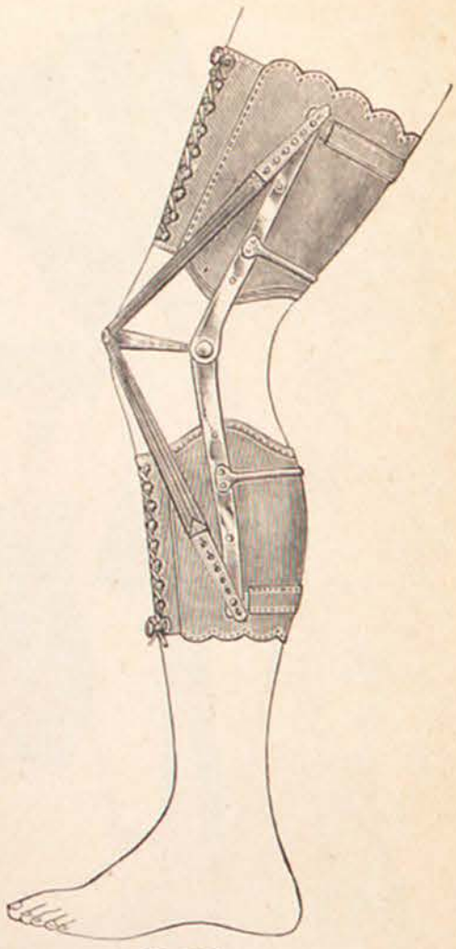

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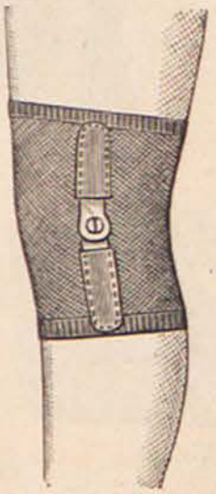

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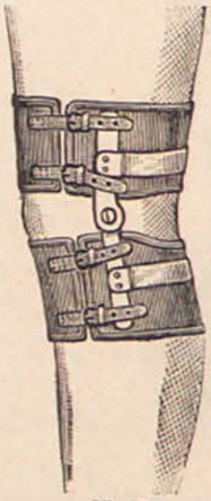

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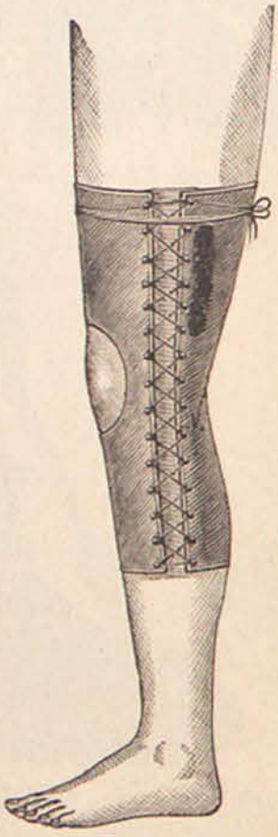
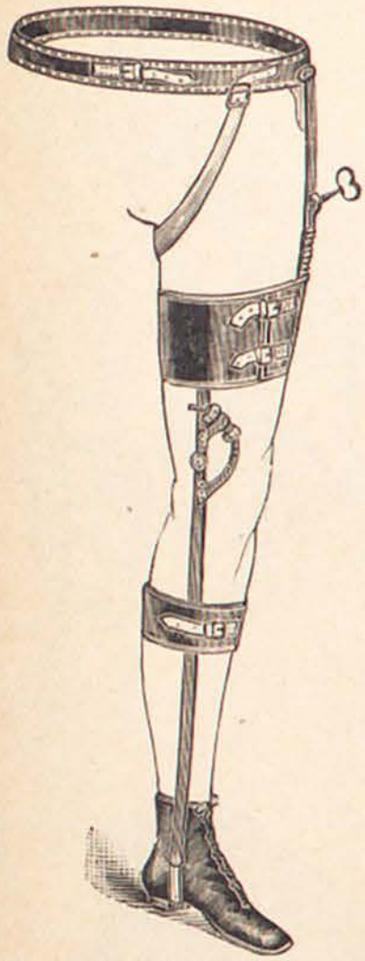


H–140

Orthopedic Apparatus

H–115 Apparatus for Synovitis and for after-treatment of fractured patella.
H–120 **Shaffer's** Knee Splint for **Hey's** joint and for dislocation of the semilunar cartilage.
H–125 Apparatus for partial paralysis of the thigh.
H–130 Knee Cap, **J. Wm. White's;** elastic; to prevent slipping of the semilunar cartilage.
H–135 Knee Cap, **J. Wm. White's;** leather; to prevent slipping of the semilunar cartilage.
H–140 Knee Cap for after-treament of fractured patella and for inflammation of the knee-joint.

Correspondence is invited. Detailed directions for measurements will be sent on request.



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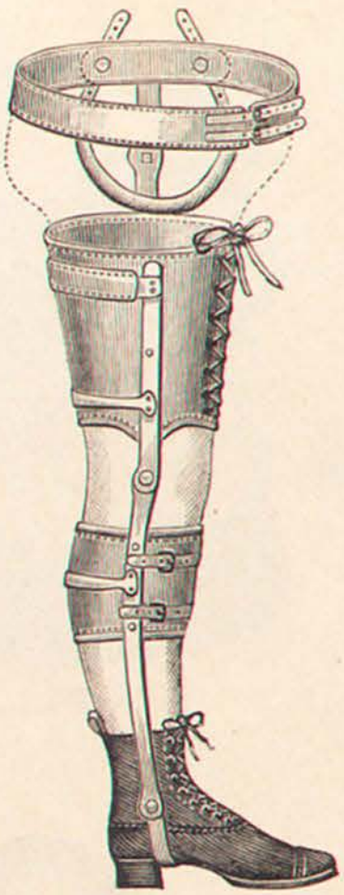

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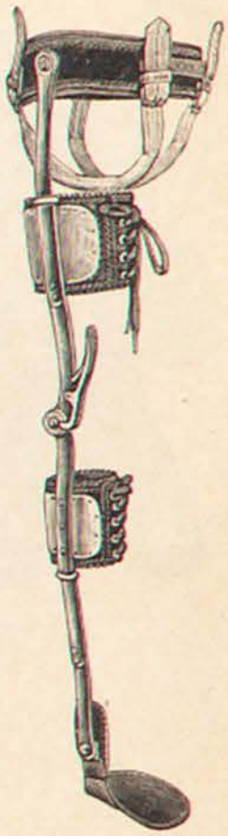

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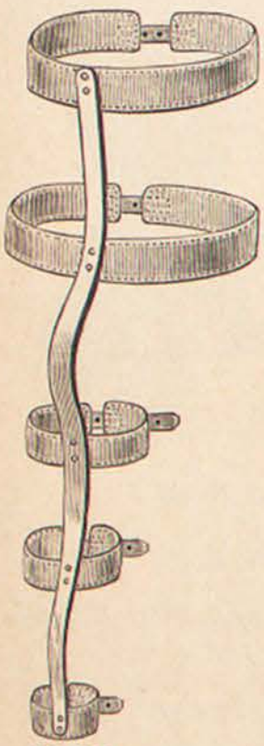

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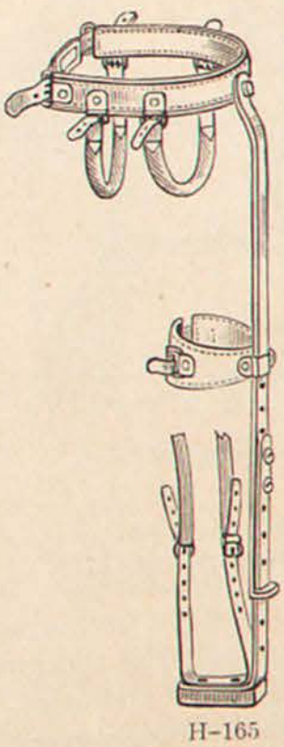

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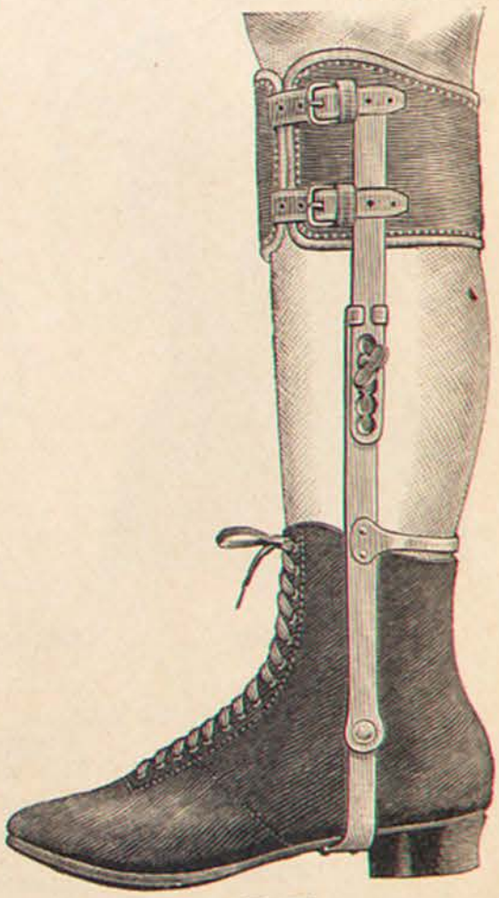
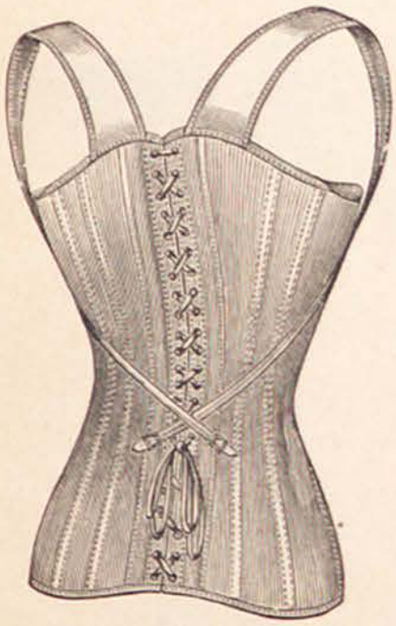


H–170

Orthopedic Apparatus

H–145 **Hutchinson's** Hip-joint Apparatus.
H–150 Apparatus for after-treatment of fracture of the femur and for un-united fracture.
H–155 **Young's** Convalescent Hip Splint.
H–160 **Thomas'** Posterior Hip Splint.
H–165 Long Hip Splint; plain construction.
H–170 Apparatus for after-treatment of compound fracture of the tibia and fibula.

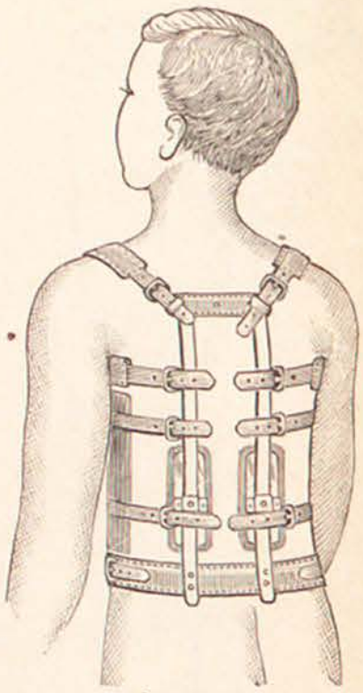
Correspondence is invited. Detailed directions for measurements will be sent on request.



H–180



H–185



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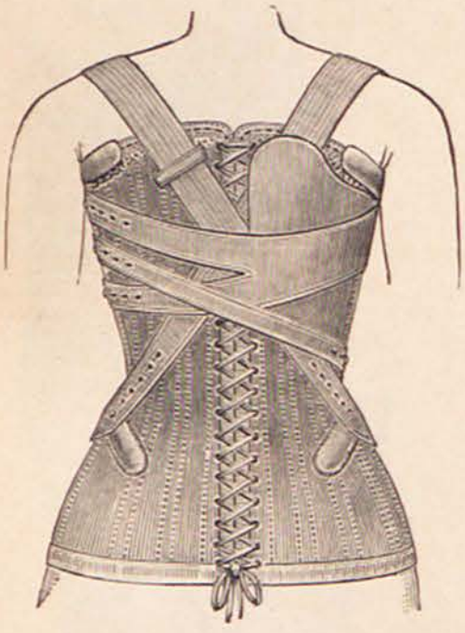

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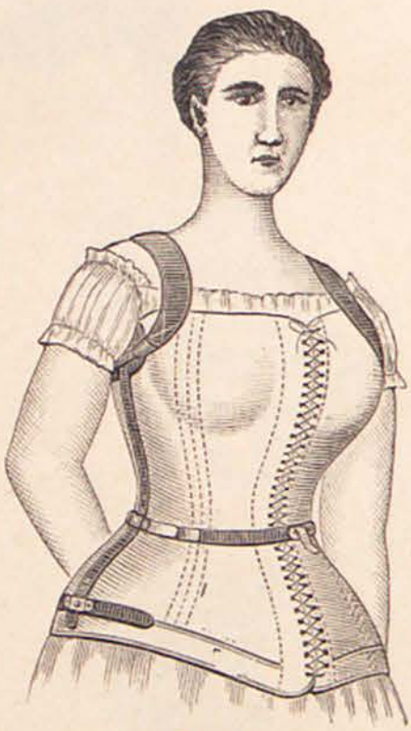


H–200



H–205

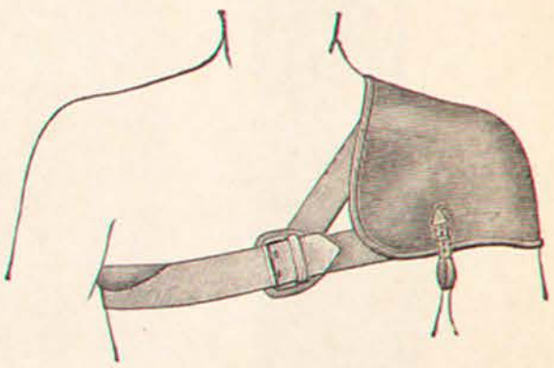
Orthopedic Apparatus

H–180 Spinal Corset for weak spine and for incipient lateral curvature.
H–185 Spinal Apparatus for lateral or antero-posterior curvature.
H–190 **Washburn's** Spinal Apparatus for posterior curvature.
H–195 Spinal Corset with crutches; for Scoliosis; French model.
H–200 Spinal Corset, **Morton's,** for lateral or antero-posterior curvature.
H–205 Shoulder Brace for extreme cases of round shoulders and slight cases of weakness of the spine.

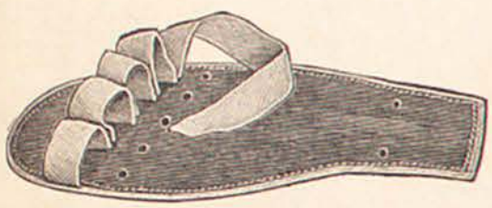
Correspondence is invited. Detailed directions for measurements will be sent on request.



H–210



H–215



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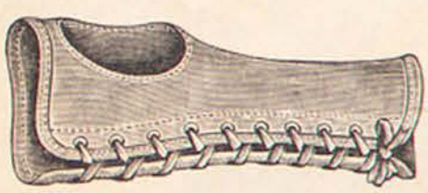
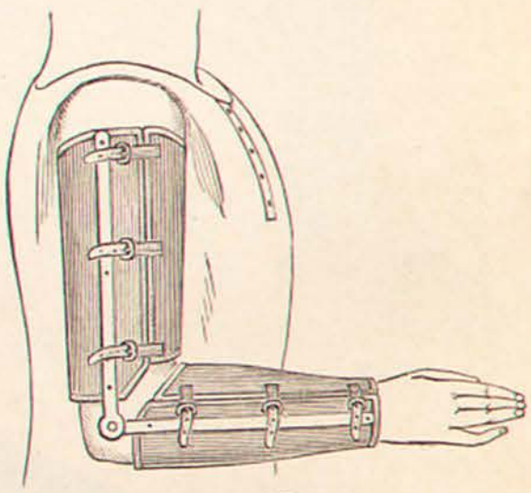


H–225



H–230

Orthopedic Apparatus

H–210 Torticollis Head Rest, for the treatment of malposition of the head.

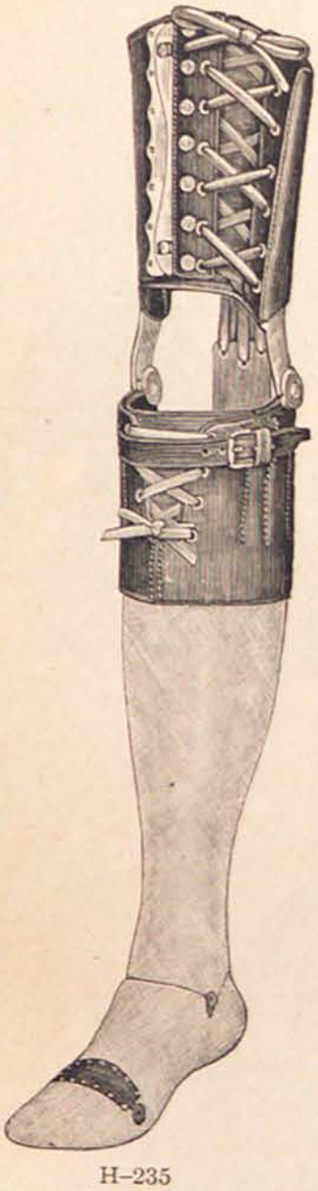
H–215 Shoulder Brace, for after-treatment of fracture and for dislocation of the shoulder joint.

H–220 Apparatus for over-riding or hammer toes.

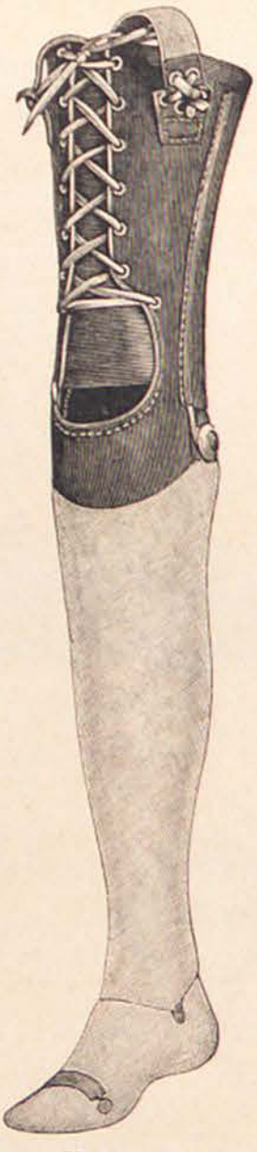
H–225 Wristlet for after-treatment of fracture of wrist joint.

H–230 **Smith's** Apparatus for un-united fracture or resection of the humerus and forearm.

Correspondence is invited. Detailed directions for measurements will be sent on request.



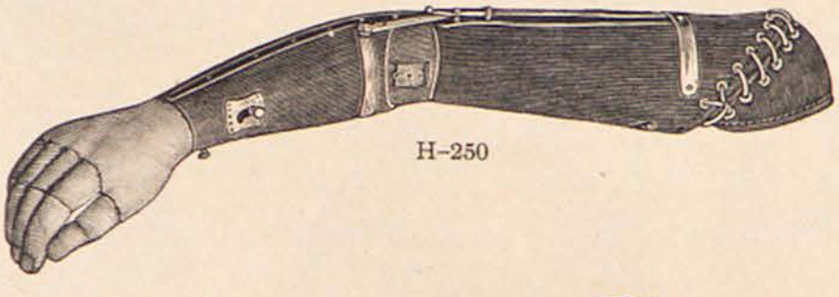
H–235



H–240



H–245



H–250

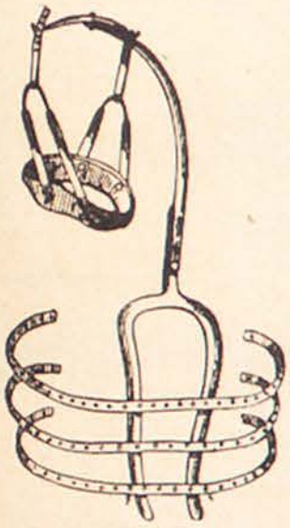


H–255

Artificial Limbs

H–235 Artificial Leg for amputation below the knee.
H–240 Artificial Leg for disarticulation at the knee joint.
H–245 Artificial Leg for thigh amputation.
H–250 Artificial Arm for amputation above the elbow.
H–255 Artificial Arm for amputation at or above the wrist joint.

Correspondence is invited. Complete literature on artificial limbs will be sent on request.



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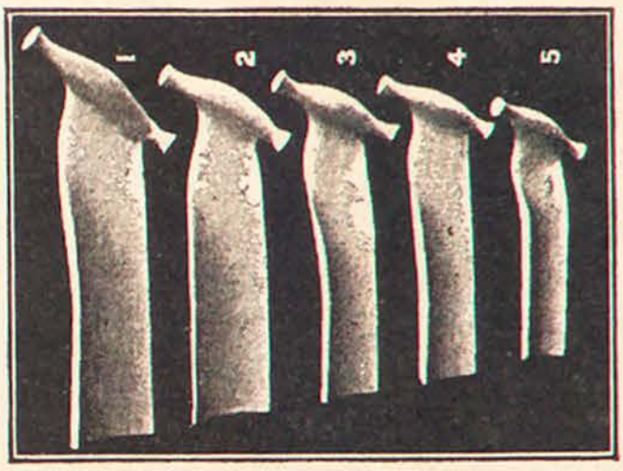
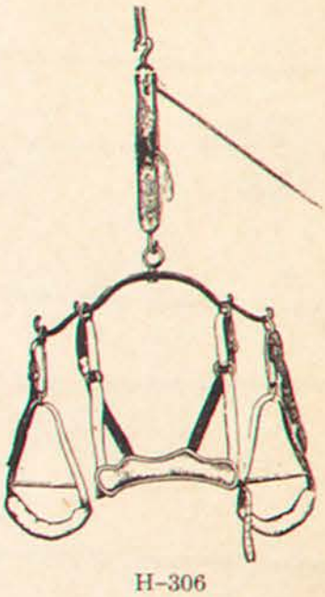


H–345

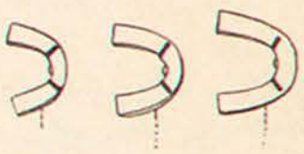


H–306

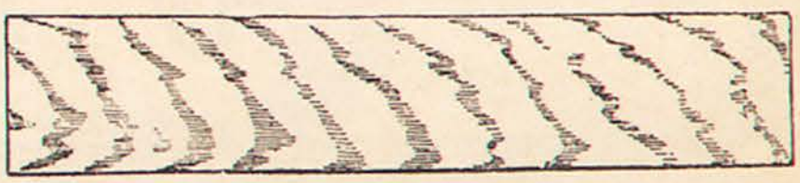


H–330





H–335



H–350

Orthopedic Apparatus, Suspension Apparatus, Splints

H–300 **Sayre's** Jury Mast, for incorporation in a plaster jacket.

*H–305 **Sayre's** Suspension Apparatus, plain pulleys, aluminum bronze finish.

H–306 **Sayre's** Suspension Apparatus, compound pulleys, nickel finish.

*H–307 **Sayre's** Tripod for suspension apparatus, jointed.

Splints

*H–320 Fracture Box, wood, 3 sizes.

*H–325 **Hodgen's** Suspension Splint, U. S. army, with rope and pulley.

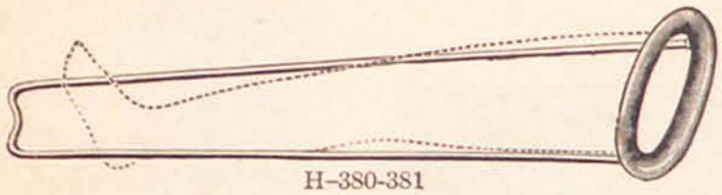
H–330 **Hamilton-Collin's,** for inferior maxillary fracture.

H–335 **Matas',** for inferior maxillary fracture, complete set including adjustable clamp, 3 dental plates, adult, youth and child sizes, and 2 sizes of chin pieces.

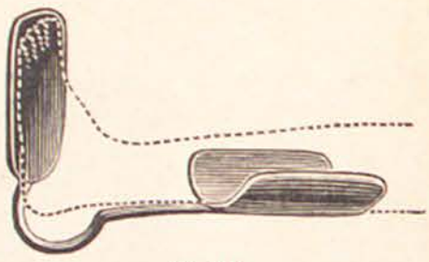
*H–340 **Pratt's** Double Inclined Plane, wood, 3 sizes.

H–345 **Walker's** Natural Form Fitting Forearm Splints, 5 sizes, rights and lefts, in sets of 10 or single.

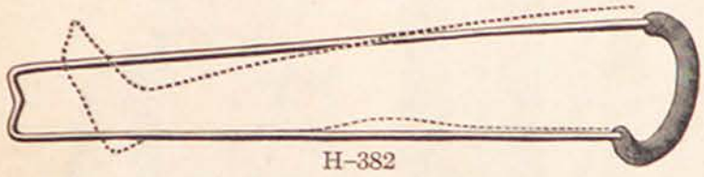
H–350 Wood Splints, coaptation, made of bass wood, light, medium and heavy.



H-380-381



H-375



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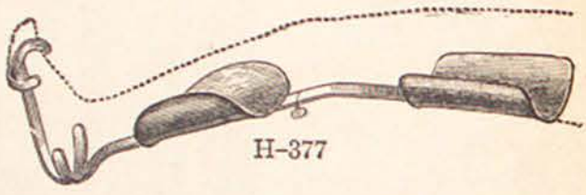

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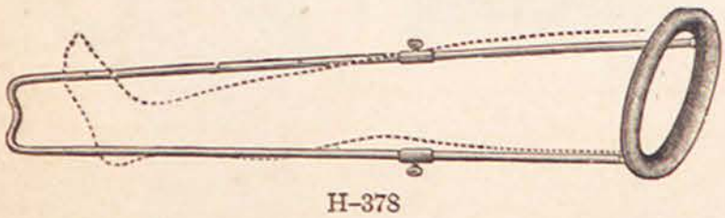

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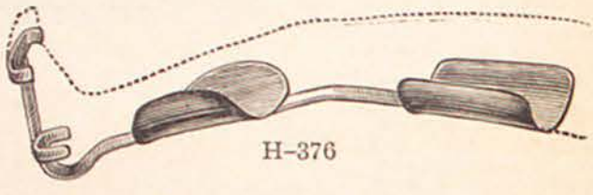
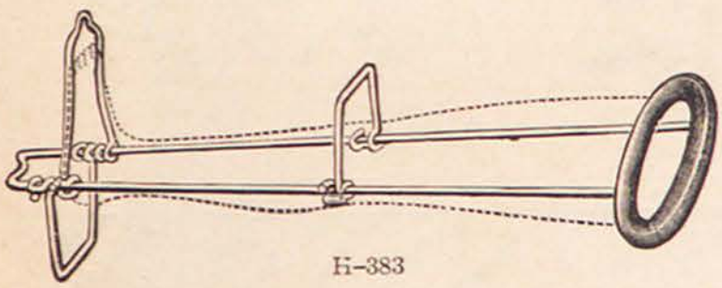
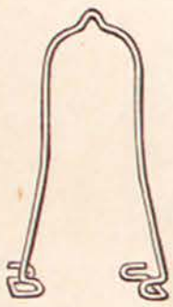


H-376



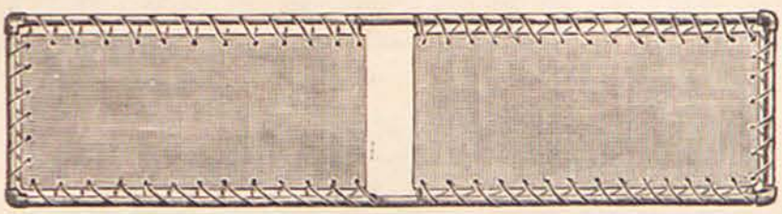
H-383



H-384



H-385



H-365

Splints

*H-360 Balkan Frame, **Blake-Lyle's,** complete with bottle rack and trolley, adjustable to any size bed.

H-365 **Bradford** Frame, U. S. A. standard, 6 feet 2 inches long, 18 inches wide.

*H-370 **Bradford** Abduction Frame, U. S. A. standard, 6 feet long, width tapers from 16 inches to 36 inches.

H-375 **Jones'** Foot Splint, rectangular, heavy felt lined.

H-376 **Jones'** Leg Splint, with 4 adjustable aluminum supports, length adjustable.

H-377 **Jones'** Humerous Extension Splint, heavy felt lined, universal.

H-378 **Jones-Thomas'** Leg Splint, adjustable for right or left, jointed, length adjustable to 52 inches, 2 sizes of rings, inside circumference 25 and 28 inches, padded and leather covered.

H-380 **Thomas'** Extension Leg Splint, 2 sizes padded rings, 25 and 28 inches inside circumference, length 52 inches, universal.

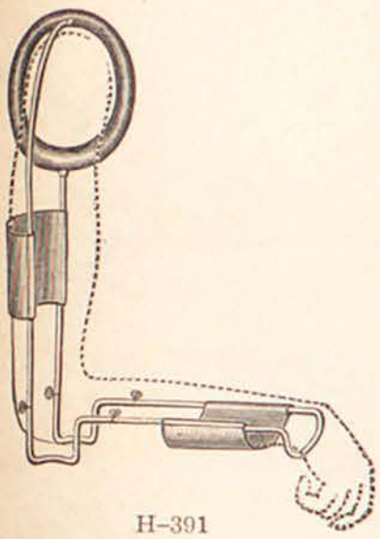
H-381 **Thomas'** Extension Leg Splint, same as above, child size, ring 18 inches inside circumference, length, 20 inches.

H-382 **Thomas'** Half Ring Extension Leg Splint, length 52 inches, universal.

H-383 **Thomas'** Knee Splint, with bed rest and toe drop attachment, universal.

H-384 **Thomas'** Toe Drop Brace, attachable to Thomas' splints.

H-385 **Thomas'** Bed Rest, attachable to Thomas' splints.



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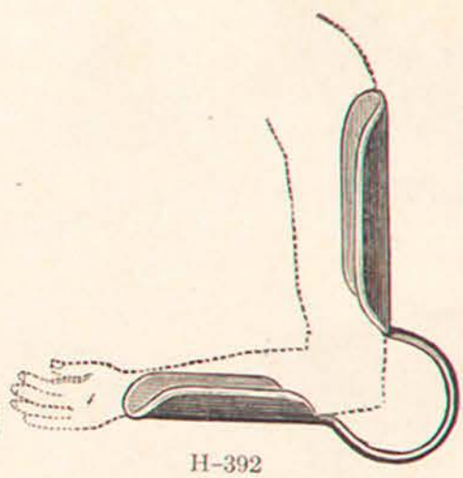
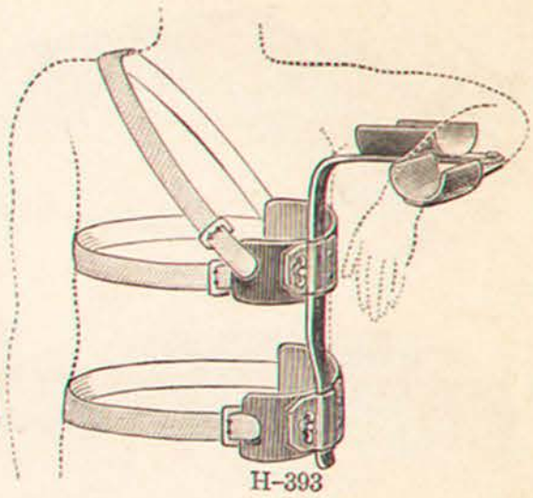


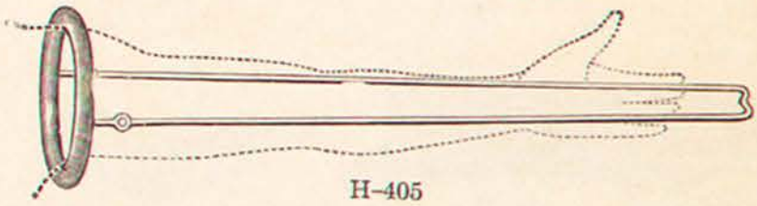
H–392



H–393



H–390



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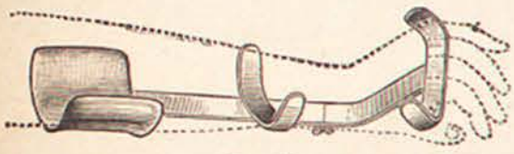

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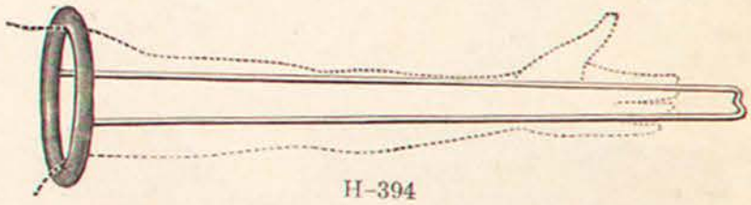

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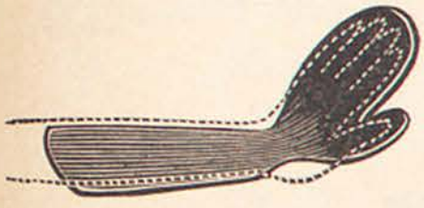

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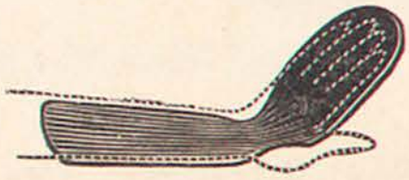


H–398-399



H–396-397

Splints

H–390 **Jones'** Simple Straight Splints, heavy felt lined, 8 inches, 12 inches, 16 inches, 18 inches.

H–391 **Jones'** Extension Arm Splint, padded, leather-covered ring, two canvas supports, adult and child size.

H–392 **Jones'** Elbow Splint, aluminum, for immobilization of the joint, adjustable, universal.

H–393 **Jones'** Arm Splint, U. S. Army standard, universal, heavy felt lined and heavy webbing straps.

H–394 **Jones'** Abduction Arm Splint, U. S. Army standard, 3 sizes, 15 inches, 18 inches, 20 inches, padded ring, length 34 inches, universal.

H–395 **Jones'** Skeleton Hand Splint, dorsiflex, aluminum, 2 sizes, adjustable supports, heavy felt lined, also made in steel.

H–396 **Jones'** Short Cock-up Hand splint, U.S. standard, steel, 9 inches, heavy felt lined.

H–397 **Jones'** Short Cock-up Hand Splint, aluminum, 9 inches, universal.

H–398 **Jones'** Long Hand Splint, U. S. Army standard, steel, 2 sizes, adult and child, heavy felt lined.

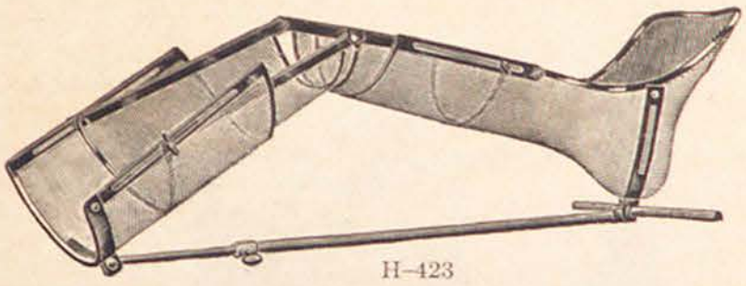
H–399 **Jones'** Long Hand Splint, aluminum, 2 sizes, adult and child.

H–400 **Jones'** Long Hand Splint, with thumb piece, U. S. Army standard, right and left, 2 sizes, adult and child, heavy felt lined.

H–405 **Murray's** Hinged Arm Splint, 20-inch ring, padded, leather covered and stitched, length 33 inches.

*H–406 **Murray's** Adjustable Arm Splint, for transplant cases, aluminum, allows X-ray to be taken.

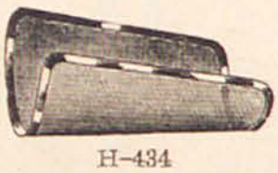
*H–410 **Leyva's** Airoplane Splint, for open treatment after fracture operations on arm or forearm.


H–423


H–432


H–436

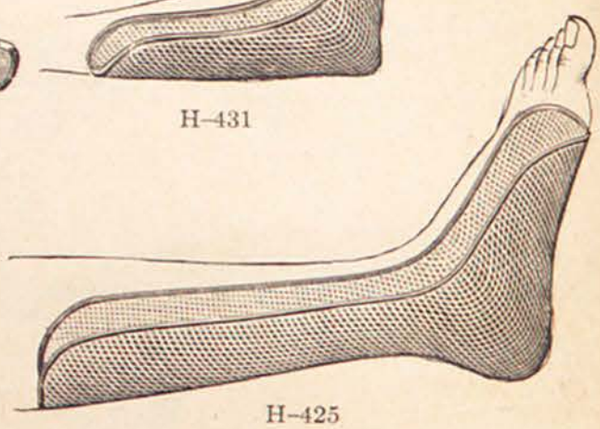

H–438


H–434

H–431

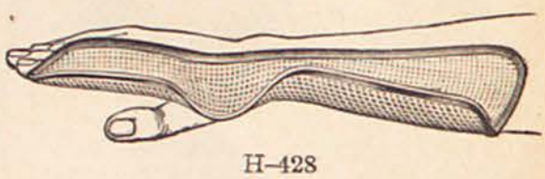

H–440


H–433


H–425


H–439


H–426


H–428

De Puy's Adjustable Wire Splints

*H–420 Clavicle, **Hawes'**, large, small.

*H–421 Elbow Anterior, acute angle, large, medium, small.

*H–422 Elbow Anterior, right angle, large, medium, small.

H–423 Leg, **De Puy's** Combination, adjustable inclined plane, large, small.

*H–424 Leg, for **Potts'** fracture, large, medium large, medium, small.

H–425 Leg, Tibia and Fibula, posterior, large, medium, small.

H–426 Coaptation Splints, 10 sizes, set.

*H–427 Radius, right and left, large, medium, small.

H–428 Forearm and Hand, right and left, large, medium, small.

*H–429 Colles Fracture, right and left, large, small.

*H–430 Elbow, hinged, anterior or posterior, large, medium, small.

H–431 Elbow, posterior, right angled, large, medium, small.

H–432 Maxilla, large, small.

H–433 Shoulder, large, medium, small.

H–434 Femur (utility), large, medium, small.

*H–435 Femur, large, medium, small.

H–436 Humerus, large, medium, small.

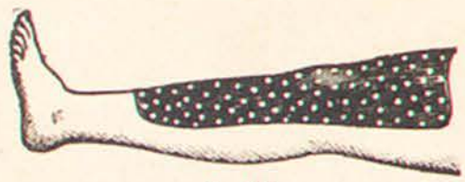
*H–437 Humerus Extension, large, small.

H–438 Tibia and Fibula, Anterior, large, medium, small.

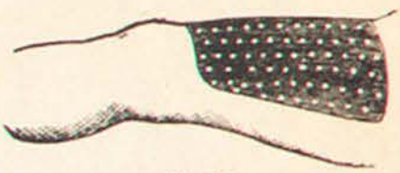
H–439 Patella, Anterior, large, medium.

H–440 Patella, Posterior, large, medium, small.

Complete descriptive pamphlets of the above splints sent on request



H–460



H–455





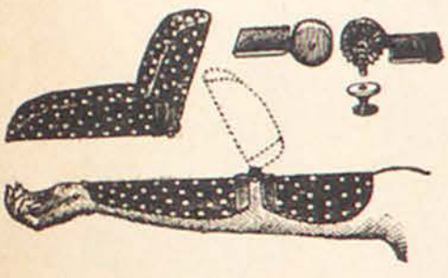
H–451



H–461



H–458



H–454



H–456



H–465



H–463

Lee's Metallic Splints

*H–450 Radius Splint, No. 1, 2 sizes, rights and lefts.

H–451 Radius Splints, No. 13, 2 sizes, rights and lefts.

*H–452 Combined Forearm Splint, No. 12, 2 sizes, rights and lefts.

*H–453 Ulna Splint, No. 18, 2 sizes, rights and lefts.

H–454 Elbow Splint, No. 22, hinged joint, 2 sizes.

H–455 Femur Splint, No. 7, 2 sizes.

H–456 Tibia-Splint, Anterior, No. 14, 2 sizes.

*H–457 Tibia and Fibula Splint, Posterior, No. 9, 2 sizes.

*H–459 Internal Ankle Splint, No. 17, 2 sizes, rights and lefts.

H–460 Patella Splint, Anterior, No. 15, 2 sizes.

H–461 Patella Splint, Posterior, No. 8, 2 sizes.

*H–462 Clavicle Splint, No. 5, 2 sizes.

H–463 Maxillary Splint, No. 6, 2 sizes.

*H–464 Elbow Splint, Posterior, acute angle, No. 19, 2 sizes.

H–465 Elbow Splint, Posterior, right angle, No. 20, 2 sizes.

*H–470 Elbow Splint, Posterior, obtuse angle, No. 21, 2 sizes.

H–458 External Ankle Splint, No. 16, 2 sizes, rights and lefts.

Complete descriptive pamphlets of the above splints sent on request



H-500



H-505



H-510



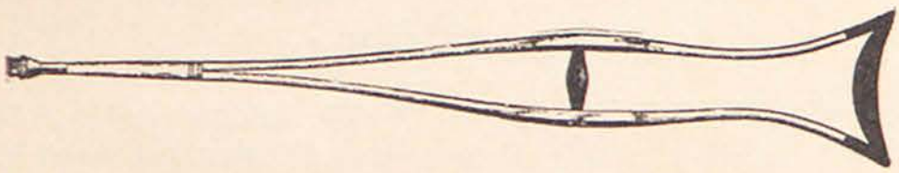
H-550



H-560



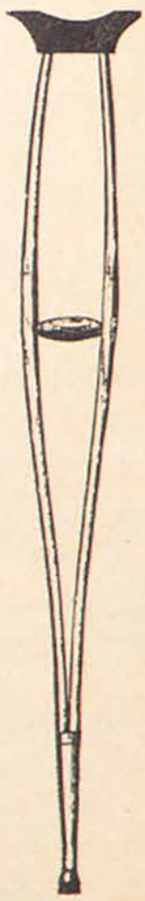
H-540



H-520-525



H-535



H-530

Sundry Appliances

H-500 **Haslam's** device to prevent projecting ears, small, medium and large.
H-505 **Sterling** device to prevent projecting ears, small, medium and large.
H-510 **French's** device to prevent mouth breathing during sleep, adult and child sizes.

Crutches, Etc.

H-520 Crutch, made of rock maple, patent elastic top and **Whittemore** bottoms.
H-525 Crutch, made of rosewood, patent elastic top and **Whittemore** bottoms, (made to order only).
H-530 Crutch, made of maple, cherry top and handpiece, nickel plated brass ferrules at bottom, with screw socket rubbers.
H-535 Crutch, plain split maple, with cherry top and hand piece.
H-540 Crutch Rubbers, **Whittemore's,** 3 sizes, small, medium, large.
*H-545 Crutch Rubbers, screw end, 3 sizes, small medium, large.
H-550 Crutch Rubbers, Excelsior, No. 17, No. 18, No. 19, No. 20, No. 21.

All-Cotton-Elastic Bandages

H-560 **Ace** Bandages, widths, 2 inches, 2½ inches, 3 inches, 3½ inches, inches, 4 inches, 5 inches, 6 inches, 7 inches, 8 inches.

The Ace bandage is an elastic bandage without rubber, it does not deteriorate, but improves in elasticity with washing.

Elastic Hosiery

Elastic goods made to order cannot be exchanged or returned for credit, although slight alterations may be made.

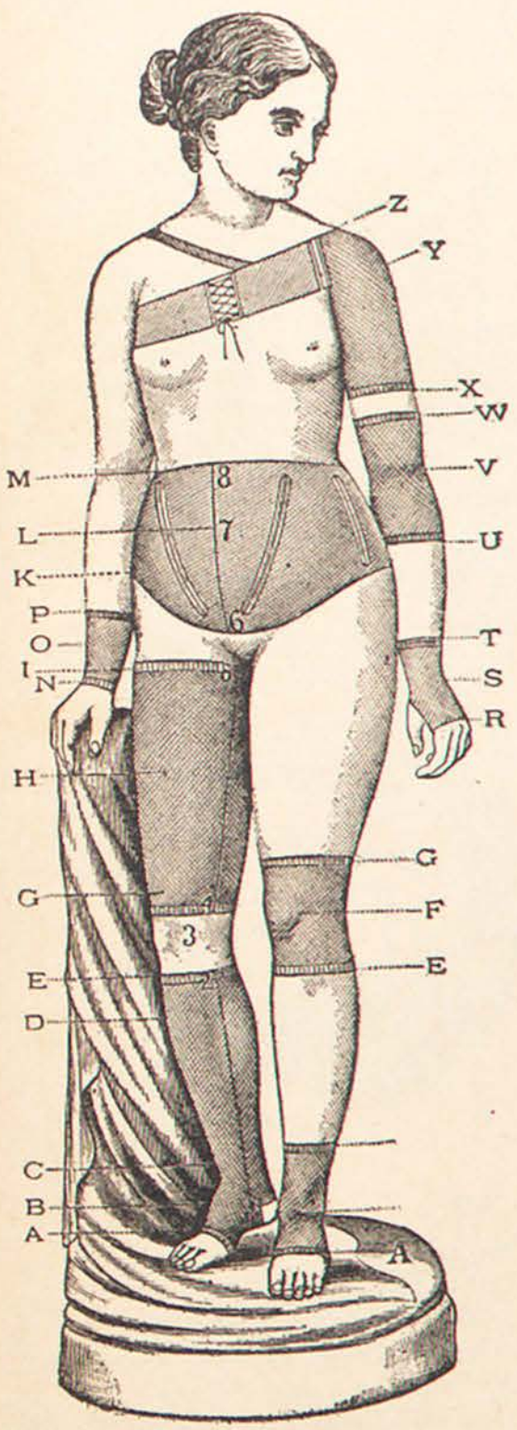
We guarantee that the workmanship and materials are the best available.

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.

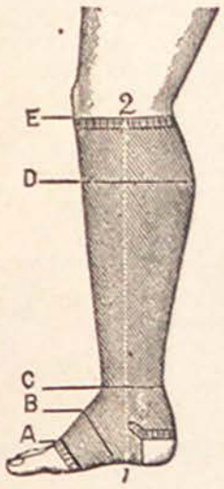
Wristlet, circumference at N, O, P; length, N to P.

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.

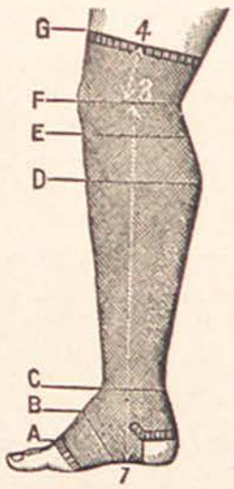
Abdominal Supporters, circumferences at K, L and M; length, 6 to 7, 7 to 8.

WE CAN LACE PIECES FOR YOU

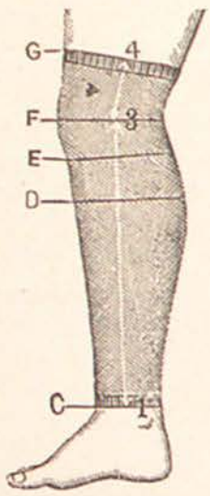
We lace stockings of any length to order only, and laces should be used where the conditions of the limb will not permit of the drawing on of a solid piece, where ankle is too small to permit the piece to be drawn over the heel without over-straining, or where there is over-much swelling to be reduced. State if for right or left limb, as we lace on inner side when condition of limb will permit.



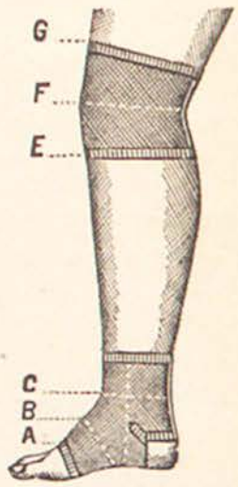
Garter Stocking
H–610



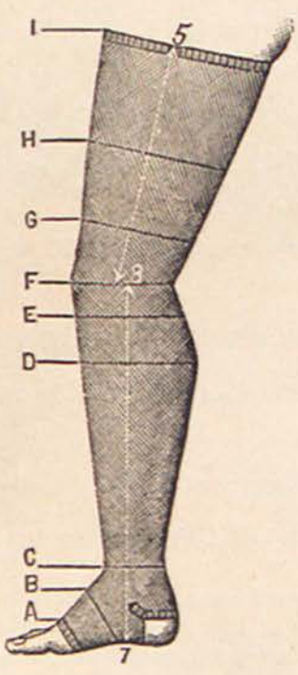
Knee Stocking
H–625-630



Knee Legging
H–620

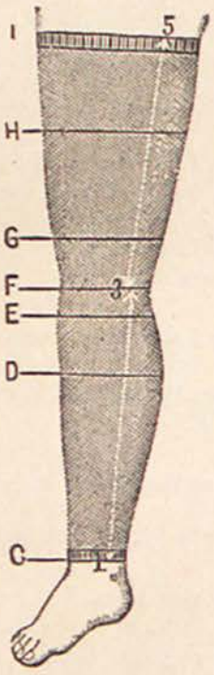


Knee Cap and Anklet
H–600-615



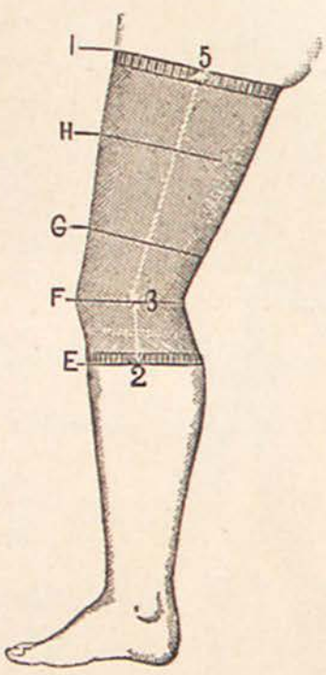
Thigh Stocking

H–650



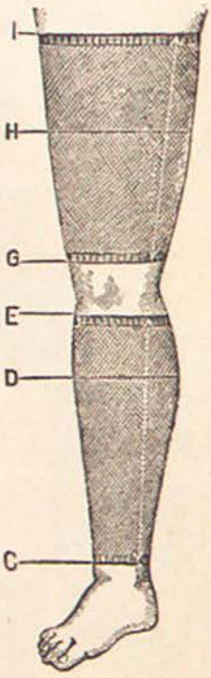
Thigh Legging

H–640



Thigh Knee Cap

H–635

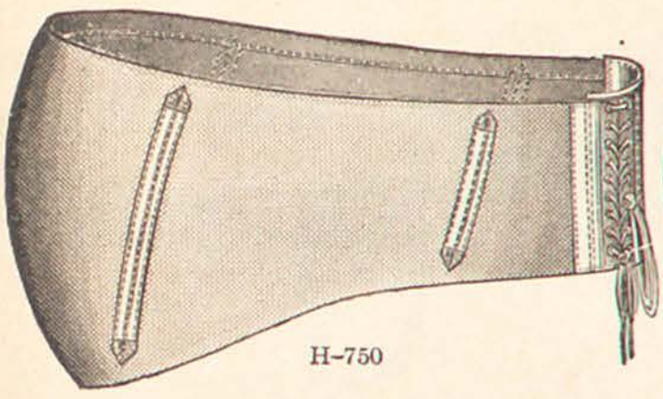


Thigh Piece and
Garter Legging
H–605-645

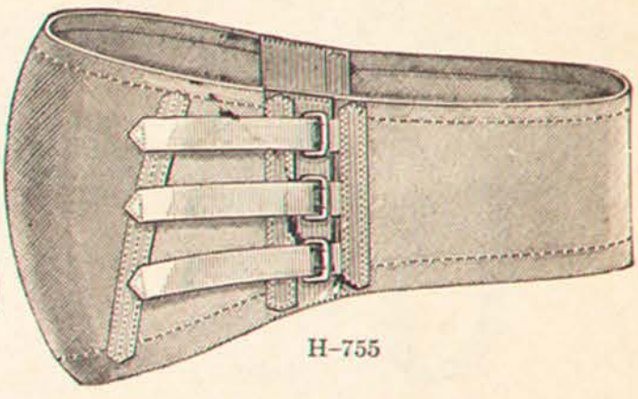
Elastic Hosiery

Thread, Silk and Heavy Silk

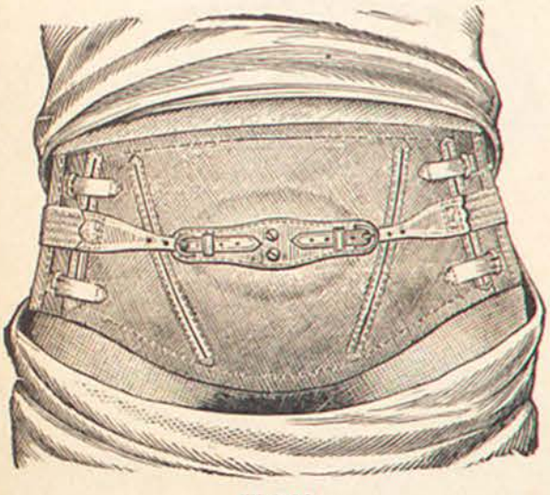
H–600 Anklet.
H–605 Garter Legging.
H–610 Garter Stocking.
H–615 Knee Cap.
H–620 Knee Legging.
H–625 Knee Stocking, long.
H–630 Knee Stocking, short.
H–635 Thigh Knee Cap.
H–640 Thigh Legging.
H–645 Thigh Piece.
H–650 Thigh Stocking.
*H–655 Arm Piece.
*H–660 Wristlet.
*H–665 Wristlet, mitten.
*H–675 Shoulder Cap.
*H–680 Garter Leggings, full laced, half laced.
*H–685 Garter Stockings, full laced, half laced.
*H–690 Knee Stockings, full laced, half laced.
*H–695 Thigh Stockings, full laced, half laced.
*H–700 Knee Caps, full laced.



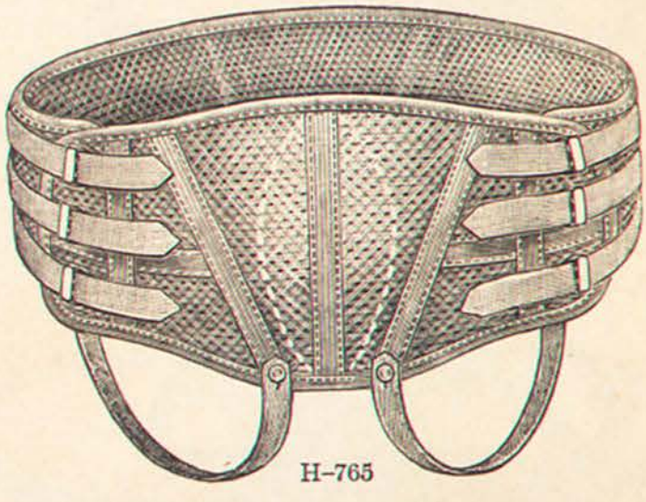
H–750



H–755



H–760



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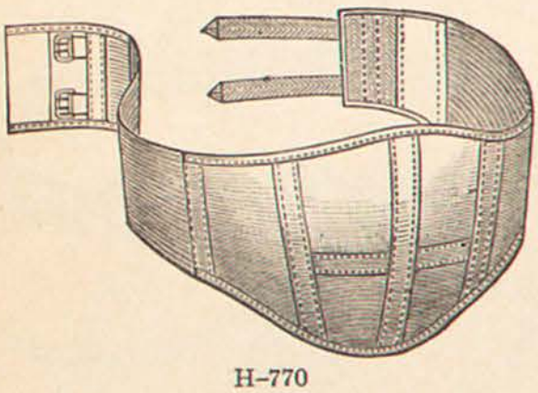

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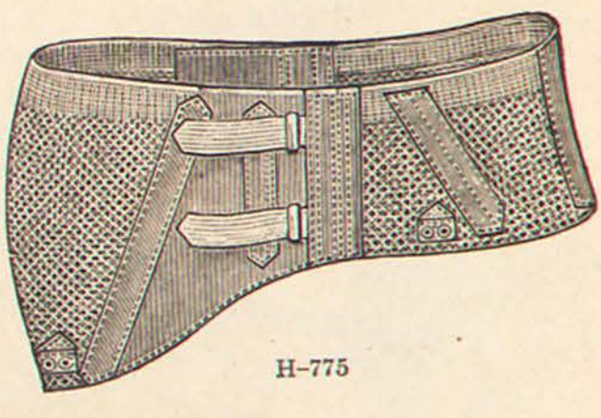


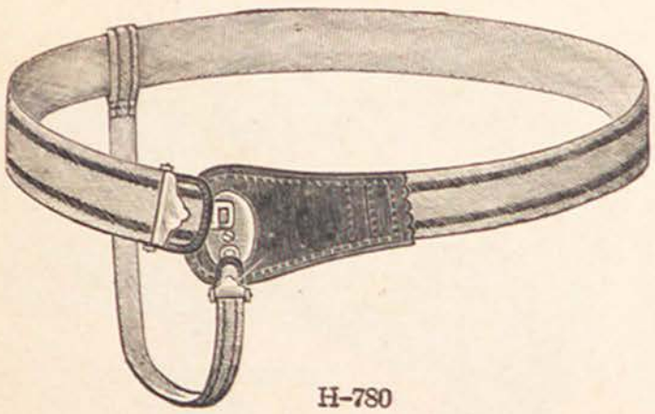
H–775

Abdominal Supporters

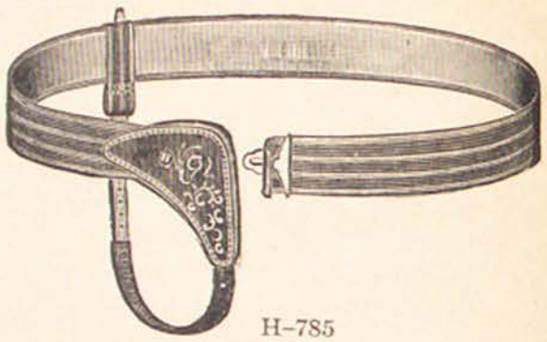
H–750 Abdominal Supporter, all elastic; laced in back.
H–755 Abdominal Supporter, all elastic, buckled at sides.
H–760 Combination Umbilical Supporter and strong Elastic Umbilical Truss.
H–765 Abdominal Supporter, Este's, for post-operation.
H–770 Abdominal Supporter, mole cloth, sizes 26 to 36 inches, buckled in back or on sides.
H–775 Abdominal Supporter, part rigid and part elastic, buckled at sides.

Special Supporters made to order

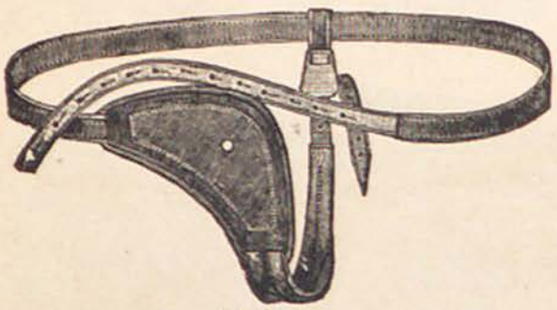
Correspondence is invited. Detailed directions for measurements sent on request.



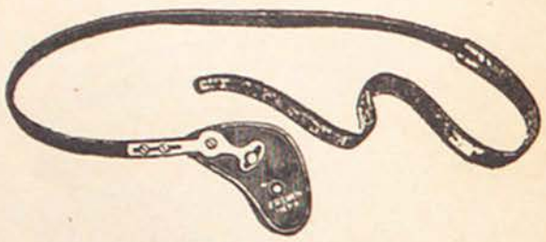
H-780



H-785



H-790



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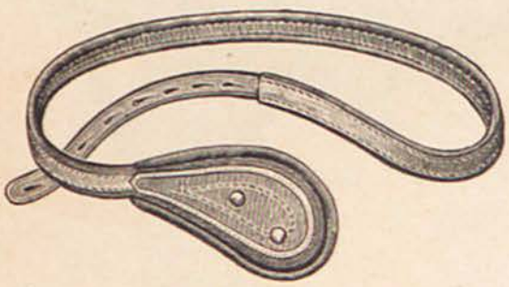
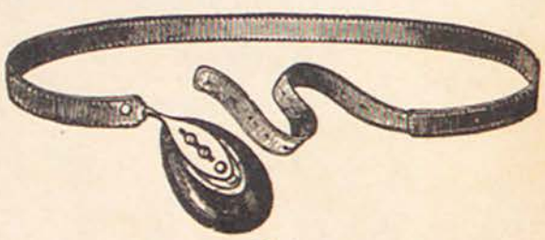


H-800



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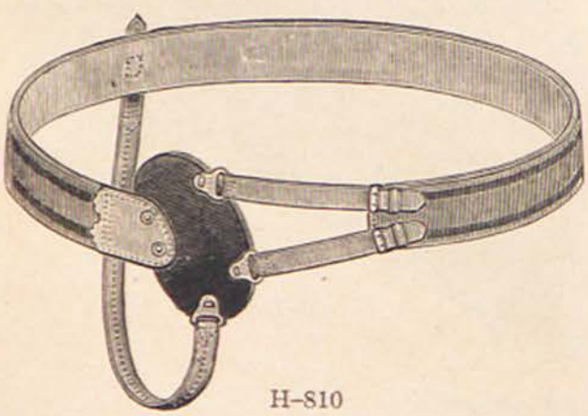
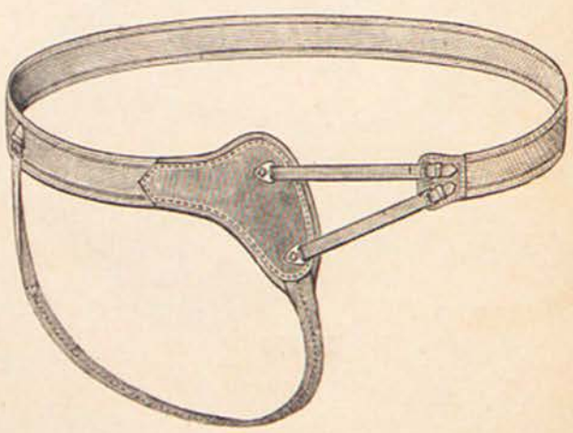


H-810

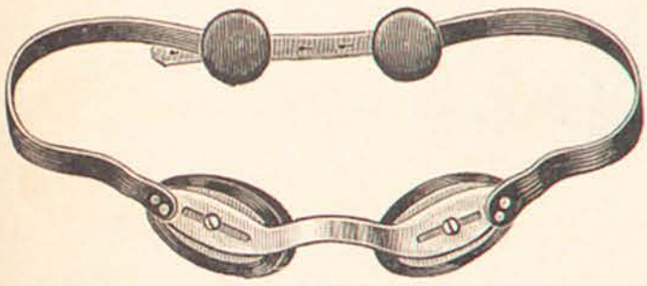


H-815

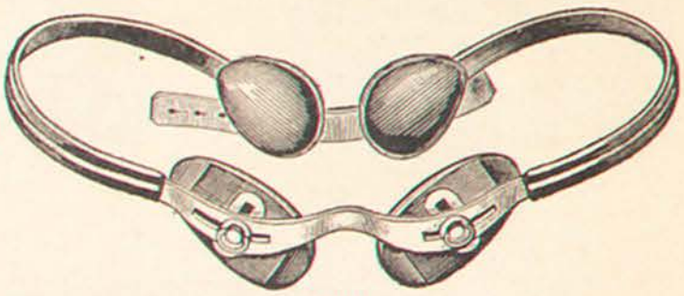
Trusses

H–780 Elastic Truss, single, reversible.
H–785 Elastic Truss, scrotal, specify right or left side.
H–790 Rhenish Truss, scrotal, leather covered, specify right or left side.
H–795 French Adjustable Truss, leather covered, single, specify right or left side.
H–800 French Truss, single, specify right or left side.
H–805 **Chase's** Genuine Truss, single, leather covered, specify right or left side.
H–810 Post-operation Truss, elastic, applied from the operated side.
H–815 Post-operation Truss, elastic, Estes, applied from the operated side.

Specify whether right or left, and circumference.



H–820



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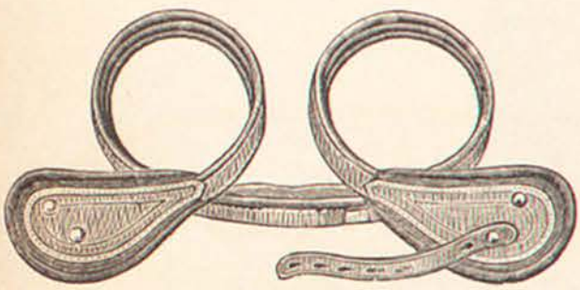
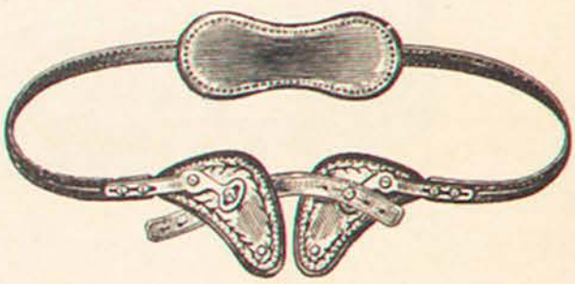
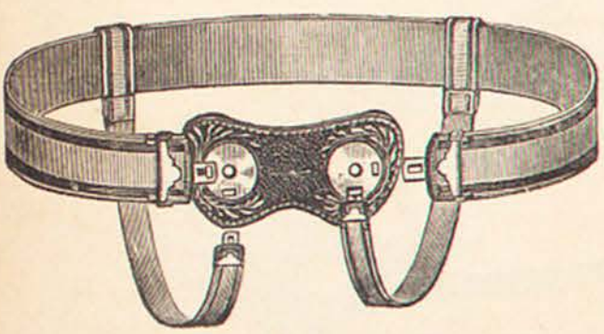


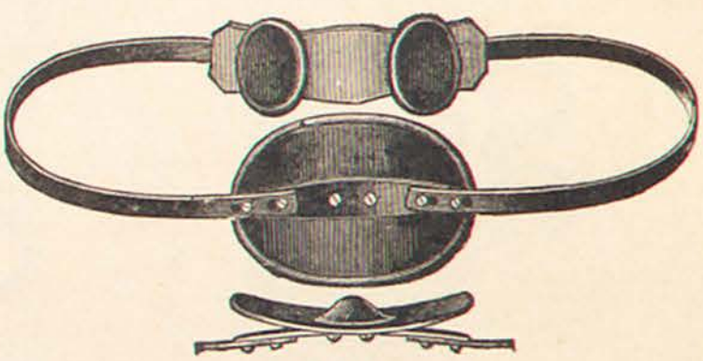
H–830



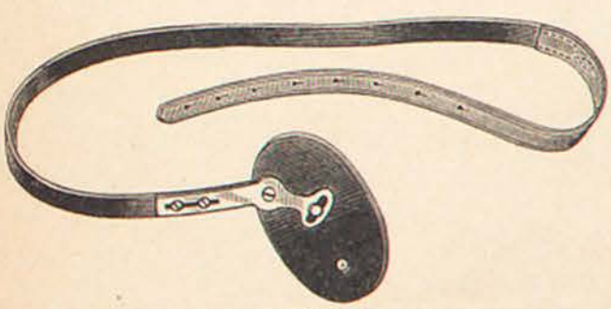
H–835



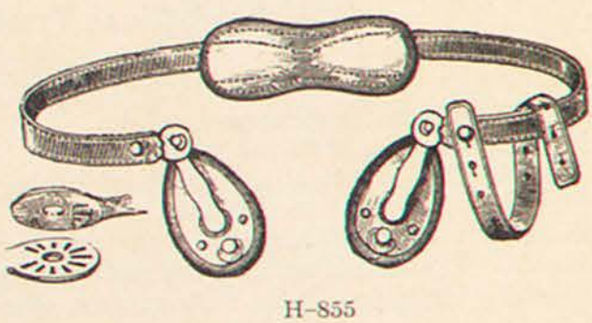
H–840



H–845



H–850

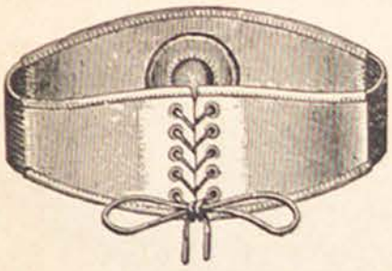


H–855

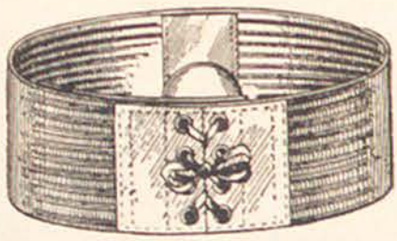
Trusses

H–820 **Hood's** Truss, hard rubber, single or double.
H–825 **Hood's** Truss, leather covered; single or double.
H–830 French Truss, leather covered; double.
H–835 French Adjustable Truss, leather covered, double.
H–840 Elastic Truss, double.
H–845 Umbilical Truss, elliptic spring.
H–850 Post-operation Truss, adjustable, hard rubber.
H–855 Set-Screw Truss, leather covered, double.

Specify whether double, right or left, also circumference.



H–880



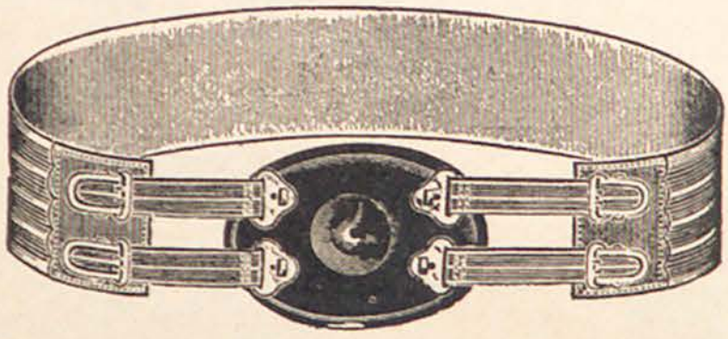
H–875



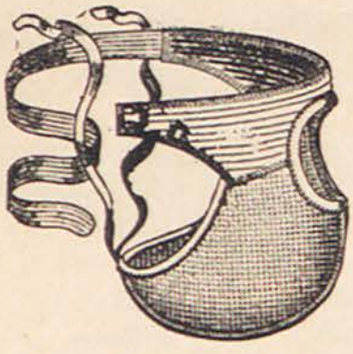




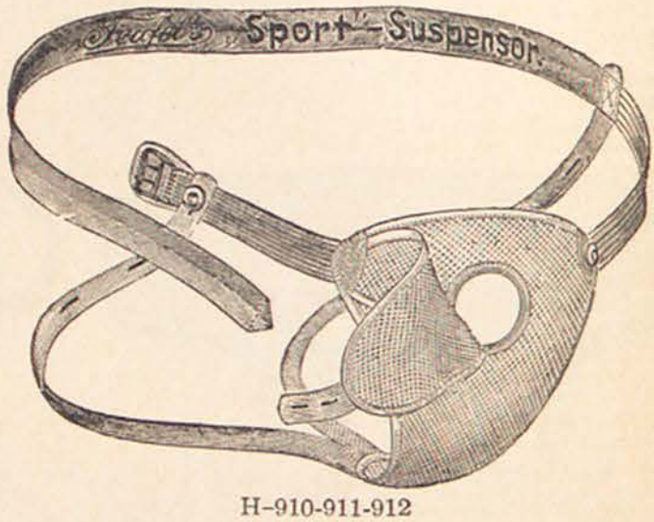
H–885



H–865



H–902-903



H–910-911-912

Umbilical Trusses and Suspensories

Umbilical Trusses

*H–860 Elastic, leather pad, adults.
H–865 Elastic, hard rubber pad, adults.
*H–870 Bow, French pattern, hard rubber, adults.
H–875 Elastic, to lace, child's.
H–880 Elastic sides, sateen front and back, to lace, child's.
H–885 Umbilical Buttons, aluminum, 3 sizes (illustration shows full size).
*H–890 Umbilical Pads, hard rubber, small, medium or large center pads.

Suspensories

*H–900 Suspensory, lisle, drawstring.
*H–901 Suspensory, silk, drawstring.
H–902 Suspensory, lisle, elastic bands.
H–903 Suspensory, silk, elastic bands.
H–910 Teufel's "Sport," 3 sizes, cotton.
H–911 Teufel's "Sport," 3 sizes, cotton and silk bound.
H–912 Teufel's "Sport," 3 sizes, all silk.

Scrotal Compressors

*H–920 Miliano's, thread.

Page

A

Abdominal drainage tubes 158–159
" irrigating tubes 159
" needles 129–135, 138–139
" packers 277
" suction tubes 159
" supporters 389, 392
Abortion curettes 316–317
Abraham's antrum burr 222
" " reamer 222
" " syringe 226
" nasal dissectors and elevators 217
" tonsil curette 251
" " forceps 253
" " knives 256
Abscess knives 73
" lancets 73
Absorbent cotton 164
" gauze 164
Ace bandages, cotton elastic 386
Acme stethoscope 11
Acne lancet 244
Acoumeter 185
Actual cautery copper 148
" " gas stove 148
" " irons and accessories 148
Adam's dry dissector 115
" iris knife 173
" rectal cooler 297
" septum straightening forceps 220
Adapters for syringes 30–31
Adenoid curettes 227–229
" forceps 230–231
Adenotomes 227–229
Adhesive plaster 164
Advancement forceps 176
Aesthesiometers 9
Agnew's canalicula knife 172–173
" iridectomy knife 172–173
" lachrymal syringe 23
" tattooing needle 175
Air bags 185
" beds and cushions 367
" compressors 236–238
" pumps 235–238
" tank 235
Airways, anaesthesia 62
Albarran's supra pubic retractor 308
Albee's bone set, electric 124
Albuminometers 54–55
Alcohol lamps 49–148
" lamp, for thermo cautery 148
Alderdyce's tonsil dissector 251
Alexander's chisels and gouges, mastoid 193
Alexandre's protector, dura 122
Allen's applicators 189
" prostatectomy knife 298
" septum knife 210
" uterine elevating forceps 321
Allis' dry dissector 115
" inhalers 63
" intestinal forceps 82
" tissue forceps 82
Allport's ear syringe 192
" eustachian burrs 193
" gauze packer 189
" incus hook 191
" mastoid gouges 193
" " knife 198
" " retractor 199
" pereosteotome 198
" tonsil knives 256
Alter-Jenning's mouth gags 249
Aluminum bronze wire 144
Ampliphone, stethoscope 12
Amputating cases 157
" knives 73
" saws 117–118
Anaesthesia accessories 60–65
" airways 62
" apparatus 65
" gags 61
" inhalers 62–64
" mouth hooks 62
" syringes, spinal 25
Anastamosis buttons 273

Page

Anastamosis button introducing forceps 273
" clamps, intestinal 273–276
" forceps, intestinal 273–276
" staff, vein 37
Anatomical stamps 58
Anderson's antrum punches 209
" screw driver 119
" sphenoid punch 209
" nasal applicators 189–203
Andrews' ethmoid knife 223
" mastoid chisels and gouges 193
" " retractor 199
" nasal applicators 203
" " chisels 210
" pereosteotome 198
" sphenoid canula 223
" " knife 223
" " probe 223
" stone searcher 306
" tongue depressor 248
" tonsil forceps 253
Anel's lachrymal probe 182
" " syringe 23
Aneroid sphygmomanometers 7
Aneurism needles 71–99
Angiotribe forceps 74
Anglin's urethral retrojectors 291
Ankle supporters 374
Antitoxin needles, injection 30–31
" syringes 17–21
Antrum burrs 222
" canulae 225
" chisels and gouges 222
" curettes 222
" drills 222
" illuminators 242–243
" punches 209
" rasps 224
" reamer 222
" saw 222
" syringes 226
" trocars 222
Apparatus, anaesthesia 65
" blood testing 50–53
" " transfusion 38
" bunion 373
" Dakin solution 36
" empyema 158
" extension, bone 114
" laboratory 45–47
" laerm (noise) 185
" orthopedic 372–379
" pneumo-thorax 158
" blood pressure 7–8
" saline infusion 34–35
" suspension 381
" traction, bone 113–114
" urine analysis 54–55
Apparitor auris 100, 200
Appendix tuckers 227
Applicators, ear 189
" laryngeal 264
" nasal 203
" rectal 284
" urethral 289, 308
" uterine 313
Aprons, laboratory and operating 166
Arch supporters 373
Argand burner gas bracket 238
Arlt's eye scoop 174–175
" lachrymal scissors 181
Arsphenamine outfits 33
Artery forceps 74–81
Arterial needles, suture 131, 137
Arthrometer 9
Arthur's pocket case 151
Artificial anus, receptacle for 285
" limbs 380
" tympanum 200
Asbestos chimney 170
Asch's nasal dissector 217
" septum forceps 221
" " splints 215
Ashton's perineal needle 138
Aspirating needles 30
Aspirators 22

Page

Aspirator, bronchoscopic 269
" cataract 182
" stomach 272
Aspirating syringe 22
" trocars 147
Atomizers 233–234
Atlee's uterine dilator 318
Audiphones 200
Aural instruments 185–200
" syringes 27, 192
Auricles 200
Automatic blood lancets 52
Automatic cut-offs 290
Auto-ether cautery 148
Auvard's vaginal speculum 312
Aveling's blood transfusion canula 36
Axis traction forceps, obstetric 334–335
" " hooks, " 337
Ayre's urethral tablet depositor 289

B

Baader's tattooing needle 174-175
Babcock's vein stripper 100
" milk bottle 53
Baby incubator 341
" scales 14, 340
Back rests 367
Backhaus' towel forceps 86
Bags, air 185
" ice 366
" leather 342–343
Bainbridge's tissue forceps 82
Baird's phimosis forceps 285
Baker's nasal snare 213
Balfour's retractor 97
Ball pessaries 332
Ballenger's antrum burr 222
" ethmoid curette 223
" mastoid burrs 193
" mucosa knife 219
" nasal gouge 210
" " specula 214
" pereosteotome 198
" swivel knives 210
" turbinate knives 220
" tonsil forceps 253
" " knives 256
" " sponge forceps 255
Ballenger-Foster's septum cutting forceps 221
Ballenger-Hajek's dissectors 217
Ballenger-Murphy's septum knife 219
Balsam bottles 49
Bandage rollers 160
" scissors 161–162
Bandages, elastic cotton 386
" gauze 164
" plaster paris 164
" roller 164
" suspensory 392
Bane's mastoid rongeur 196
Bang's whalebone filiform bougie 292
Barany's Laerm apparatus 185
Bard-Parker knives 69
Barker's spinal anaesthesia needle 25
Barnes' colpeurynthers 333
Barnes-Simpson's obstetric forceps 334
Barnhill's adenoid curettes 227
" mastoid rongeur 196
Barr's fixation forceps 178
Barrett's appendix tucker 277
" haemostatic forceps 74
" placenta forceps 339
" tenaculum forceps 322
" tissue forceps, intestinal 82
" uterine elevating forceps 321
" uterine knives 327
" uterine packing forceps 314
Barret-Murphy's intestinal tissue forceps 82
Barth's mastoid curettes 194
Barthelemy's syringes 20–21
Bartlett's acoumeter 185
Bartrina's catheters 301
Basins 362
Basiotribes 336
Basswood splints 381
Bath cabinets 371

Page

Baths, eye 183
Batteries, cautery, transformer 348–349
" galvanic and faradic 346
" diagnostic light 243, 350
" tungsten lamp 243, 350
Baumanometers 8
Baunscheidt's scarifyer (Lebenswecker) 57
Bausch & Lomb microscopes 39
Baum's tonsillectome 262
Beakers 48–49
Beard's cystotome 173
" enucleation knife 172–173
" eye speculum 171
" lid forceps 177
" lid knife 172–173
Beck's abdominal spoon 100
" adenoid curettes 227
" ear drain 192
" hoe and knife 217
" nasal speculum 214
" paraffin syringe 25
" tonsil haemostat 252
" " knives 256
" tonsillectome 260
Beck-Schenck's tonsil snare 260
Beckmann's adenoid curettes 227
" nasal scissors 212
" " specula 201
Bed pans 364
" rests 382
Beds, air and water 367
Bedside tables 367
Bedford's perforator 337
Beebe's vaginal speculum 312
Beer's cataract knives 172–173
" iris needles 172–173
Behan's empyema outfit 158
Belajew's trachea retractor 267
Bellevue hospital nurse's case 155
" sponge forceps 88, 315
Benique's catheter guide 300
" dilating sounds 292
Bennett's inhalers 62–63
Berger's loupe 170
" tongue forceps 67
" urethral irrigator 289
Bergmann's lithotomy forceps 307
" plaster bandage saw 162
Berkefeld's filters 47
Bernay's packer 313
Bernheim's blood transfusion canula 36
" " " forceps 37
Berry's uterine elevating forceps 321
Bezold's antrum canulae 225
" tuning fork 186
" whistle 186
Bier's hyperemia suction apparatus 56
" spinal anaesthesia needle 25
" record spinal anaesthesia syringe 25
Bigelow's evacuator 306
" lithotrite 306
Bigg's bunion apparatus 373
Billroth's ligature needle 138
" retractors 94
" tumor forceps 324
Birch's trocar 146
Birmingham's nasal douche 232
Bishop's ice bag 199
" mastoid chisels and gouges 193
Bismuth syringes 28
Bistouries, ear 191
" general operating 68–73
" pocket case 149
" tonsil 256
Blackwell's elevators 219
Bladder forceps 307
" syringes 28
Blake's ear forceps 190
" " snares 192
" gall bladder forceps 277
" secondary knife 173
" uterine curettes 316
Blake-Lysle's splint 382
Blanchard's prostatic cooler 297
Blitz's enucleation forceps 177
Blizard's lithotomy knife 71
Blood lancets 52–53

	Page
Blood needles	53
" pipettes	50
" testing apparatus	50–53
" transfusion instruments	36–38
Blot's perforator	337
Blow pipes, dissecting	3
Bodenhammer's rectal specula	282
Boehm's salvarsan outfits	32
Boekel's automatic cut-off	235
" light condensors	238
Boettcher's tonsil forceps	255
" " haemostat	252
" " hook	252
" " scissors	259
Boisliniere's obstetric forceps	334
Boldt's blood lancet	52–53
" placenta forceps	339
" uterine curettes	316
Bolton's pile pipe	280
Bonafont's ear speculum	188
Bond's placenta forceps	339
Bone chisels and gouges	101, 193
" curettes	103–104
" cutting forceps	107
" drills	105, 106, 121
" elevators	119
" engines, electric	124
" extension instruments	119
" gouging forceps	109, 196–197
" holding clamps and turnbuckles	112–113
" " forceps	110–111
" nails	120
" needles, suture	246
" plates	120
" plate holding forceps	119
" saws	117–118
" screws	120
" shears	108
" skids	119
" spikes	120
" traction apparatus	113–114
" wire, silver	119
" wax, sterile	145
Bones, human	58
Bonney's needles	131
" tissue forceps	84
Booger's urethral nozzle	290
Bossi's obstetric dilators	333
Boston's adenoid curettes	227
Bosworth's head band	239
" nasal saw	211
" " snare	213
" " specula	201
" tongue depressor	248
Bottles, balsam	48–49
" chloroform and ether dropping	60
" drop, laboratory	48–49
" eye, drop	183
" milk	53
" reagent	49–49
" salvarsan mixing	33
" solution, hospital	362
Bottle pads for leather bags	343
Boucheron's ear specula	188
Bougies, esophageal	271
" eustachian	185
" filiform	292
" French	294
" nasal	185
" rectal	280
" urethral, gum elastic	294
" " metal	292
" whalebone filiform	272
Bow pessaries	331
" saws	117
Bowles' stethoscopes	12
Bowman's canalicula knives	172–173
" cataract aspirator	182
" corneal trephine	182
" iris needles	173
" lachrymal canula	182
" " probes	182
" " styles	182
" strabismus scissors	181
Boxes, iodoform	160
" microscopic slide	40
" needle	128, 362

	Page
Boxes, fracture	381
Boxwood mallets	102
Boyd's hernia director	99
Boynton's eye needle holder	181
Bozeman's uterine douches	320
" " dressing forceps	314
" " scissors	328
Bozeman-Fritsch's uterine douche	320
Braasch's cystoscopes	303
" median bar excisor	288
" urethroscope	288
Brace, shoulder	378
Bracket, gas	238
Bradford's splints	382
Braided silk	143
Brainard's bone drill	105
Brain knives	3
" retractor	123
" spatulae	122
Brand's eye speculum	171
Brandegee's adenoid forceps	230–231
Braun's celluloid yarn	143
" cephalotribe	336
" cranioclast	336
" embryotomy knives	338
" obstetric colpeurynther	333
" " hooks	337
" " forceps	334
" tenaculum forceps	322
" trephine perforator	337
" uterine syringe	27, 316
Brawley's antrum rasp	224
" frontal-sinus rasp	224
" suction apparatus	226
Breast developers	57
" pumps	57
Breathing appliances	386
Breisky's pelvimeter	340
Bresgen's frontal sinus canula	225
Brewer's blood transfusion canula	36
" empyema drainage tubes	158
" vaginal specula	312
Brigg's phimosis forceps	285
Brinkerhoff's rectal specula	281–282
Bristle probangs	266
Bronchoscopes	268–270
Bronchoscopic forceps	269, 270
" instruments	266, 268–270
Brophy's cleft palate instruments	245–246
Brown's dissector and hoe	217
" ear applicators	189
" " specula	188
" " spout	192
" laryngeal syringe	264
" sphygmomanometer	8
" tonsil snare	260
" urethral heating sounds	293
" " speculum	286
Brown-Buerger's cystoscopes	303
Bruening's nasal forceps	205
Bruns' chisels and gouges	3, 101
" curettes, bone	103
Brunner's intestinal forceps	274
Buchanan's operating table	353
Buck's ear curettes	189
" " knife	191
" " probe	189
" mastoid curettes	194
" " knife	198
" " raspatory	198
" vesical trocar	147
Buckets, duodenal	272
" white enamel	363
Bucklin's nasal saw	211
Buckstein's duodenal tube	272
Budd's placenta forceps	339
Bulbs, thermo-cautery	148
Bullet forceps	125
" probes	125
Bumstead's urethral syringe	26
Bunge's eye scoop	174–175
Bunion apparatus	373
Bunnell's stopper for blood pipette	52–53
Bunsen burners	45
Bunt's forceps ring or holder	81
Burch-Allport's mastoid retractor	199
Burettes and accessories	48–49

Page

Burners, Bunsen ... 45
" electro cautery ... 347
" thermo cautery ... 148
Burn dressing ... 164
Burnett's otoscope ... 187
Burrell's septum shave ... 210
Burrs, antrum ... 222
" eustachian ... 193
" mastoid ... 193
Burt's uterine curettes ... 316
Buttle's inhaler ... 185
" scarifyer knife ... 327
Buttons, intestinal anastamosis ... 273
" umbilical ... 392

C

Cabinets, bath ... 371
" dressing and instruments ... 356
" specialist's ... 354
Calibrator, urethral ... 308
Calvarian hooks ... 4
Camman's stethoscope ... 11
Campbell's cotton reservoir ... 203
Canalicula knives ... 172–173
Canulae, antrum ... 225
" blood transfusion ... 36–37
" exploring ... 225
" frontal sinus ... 225
" infusion ... 35
" lachrymal ... 182
" sphenoidal ... 223, 225
" stems for laryngeal tips and universal handle ... 266
" tracheal ... 267
Capital saws ... 117–118
Cap, knee ... 376
Caps, surgeons' and nurses' ... 166
Capsular forceps ... 176
Cardiograph ... 10
Carmalt's haemostatic forceps ... 74
" hysterectomy forceps ... 325
" splinter forceps ... 85
" tongue forceps ... 67
Carmody's frontal sinus curette ... 223
Caro's urethral speculum ... 286
Carotid clamps ... 37
Carpenter's tonsil knife and dissector ... 251
Carr's cranial drill ... 121
" " haemostat ... 123
Carrell's apparatus for Dakin solution ... 36
" arterial needles ... 131
" blood transfusion canula ... 36
" " " forceps ... 37
" vein dilator ... 37
Carroll's aesthesiometer ... 9
Carsten's needles, cervical ... 138
" " perineal ... 138
" otoscope, electric ... 187
" pelvimeter ... 340
" stethoscope ... 12
Carter's bridge splint, nasal ... 215
" elevator ... 217
" introducer, vitreous spheres ... 184
" nasal specula ... 214
" tonsil tenaculum ... 252
Cartilage knives ... 2
Cases, amputating ... 157
" dissecting ... 5
" medicine ... 344
" needles ... 128
" nurses' ... 155–157
" operating ... 157
" pocket ... 150–155
" post mortem ... 6
" thermometer ... 16
" urine analysis ... 55
" vial ... 344
Casselberry's nasal scissors ... 212
" tonsil forceps ... 253
Cataract aspirator ... 182
" knives ... 172–173
" masks ... 184
" needles ... 173
Catchers, coin ... 266
Catgut, dry ... 143–144
" sterilized ... 145
Catheters, female, metal ... 302

Page

Catheters, double current, metal ... 302
" English, gum elastic ... 300
" eustachian ... 185
" male, metal ... 302
" French, gum elastic ... 301
" guides for ... 300
" holders for, glass ... 300
" self-retaining, male ... 300
" " " female ... 302
" soft rubber ... 300
" ureteral ... 308
Catling knives ... 73
Caustic pencils ... 183
Cautery, auto-ether ... 148
" bulbs for ... 148
" burners, electric ... 347–348
" " Paquelin ... 148
" cords, electric ... 347
" handles, electric ... 347
" knives ... 148, 347–348
" thermo, Paquelin ... 148
" transformers ... 348–349
Cavana's vaginal speculum ... 312
Cayo's salvarsan outfits ... 32
Cellosilk ... 164
Celluloid yarn ... 143
Centrifuges ... 52–53
" accessories for ... 52–53
Cephalotribes ... 336
Cervical dilators ... 318–319, 330
" knives ... 327
" needles ... 131–133, 136, 138–139
Chadwick's pterygium scissors ... 181
Chain hooks ... 3
" saws ... 171
Chairs, rolling, invalid ... 368
Chalazion curettes ... 147–175
" forceps ... 177
Chamberlain's placenta forceps ... 339
" uterine douches ... 320
Chambers' stem pessaries ... 331
" " " introducer ... 331
Champetier de Ribes' colpeurynthers ... 333
Chapman's water suction pumps ... 159
Charlton's antrum trocar ... 222
Charriere's saws ... 4, 117
Chase's trusses ... 390
Chatelaine cases, nurses' ... 156
Chatellier's adenoid forceps ... 230–231
Chemical thermometers ... 48–49
Chetwood's cut-off ... 290
" rectal douche ... 280
" urethral nozzle ... 289
Child's tissue forceps ... 82
Chimney, asbestos ... 170
Chisels, antrum ... 222
" bone ... 101
" cranial ... 121
" frontal sinus ... 223
" mastoid ... 193
" nasal ... 210, 223
" post mortem ... 3
Chismore's evacuator, lithotomy ... 306
Chloroform bottles, dropping ... 60
Chloroform inhalers ... 62–64
Churchman-Beck's tonsillectome ... 260
Cilia forceps ... 178
Circumcision instruments ... 285
Cittelli's mastoid rongeur ... 196
Clamps, anastamosis, intestinal ... 273–276
" angiotribe ... 74
" artery ... 74–81
" blood transfusion ... 37
" bone holding ... 112–113
" " plate holding ... 119
" burette holding ... 45
" fracture ... 112
" funis ... 340
" haemorrhoidal ... 283
" haemostatic ... 74–81
" hysterectomy ... 325–326
" kidney ... 278
" intestinal ... 273–276
" laboratory ... 45
" parametrium ... 326
" pedicle ... 326
" pile ... 283

	Page
Clamps, penis	289
" pylorus	276
" scrotal	308
" septum	204–205, 220
" stomach	274–276
" tonsil haemostatic	252, 255
" towel	86
" transfusion	37
" umbilical	340
" urethral compression	289
" vaginal	326
" vessel, kidney	278
" wound	141
Clark's perineal needle	138
Clark-Brunn's tendon tucker	171
Clayton's cornets, ear	200
" hearing horn	200
" pessaries	331
Cleft palate needles	134
" " instruments	000
Cleveland's ligature carriers	140
Climax uterine douche	320
Clinical thermometers	15–16
Clip forceps	140
Clips, wound, and accessories	140–142
Clover's crutch	167
Coakley's frontal sinus curette	223
" light stand	238
" nasal speculum	202
" transilluminator	243
Coats, operating	165
Cocaine solution cups	203
Coffin's suction apparatus	237
Cohen's adenoid forceps	230–231
" laryngeal curettes	265
Coil, ear	183
Coin catcher	266
Colburn's ear syringe	192
Cole's hysterectomy knife	327
" rectal douche	280
Collin's bone fracture clamp	112
" dynamometer	9
" gall duct forceps	277
" iris forceps	179
" nasal specula	201
" pelvimeter	340
" retractors	94
" rib shears	108
" tracheal forceps	267
" tongue forceps	67
" urethral forceps	307
" uterine elevating forceps	321
" vaginal specula	312
Collum's curettes	227
Collyer's pelvimeter	340
Colostomy pouches	285
Colpeurynthers	333
" forceps for introducing	333
Colton's empyema drainage tubes	158
" lachrymal syringe	23
Comb, vaccinating	73
Comedone extractors	244
Compressed air outfits	235
Compressors, shot	140, 330
" scrotal	392
Condensing lenses	170
Condensors, light	238
Conductors, wire saw	118
Congo Paper	55
Conjesters, penis	56
Connections, syringe	30–31
Connell's air way, anaesthetic	62
Contagious disease gowns	166
Controllers, current	243, 350
Conversation tubes	200
Cook's pile clamp	283
" rectal specula	281–282
Coolers, prostatic and rectal	297
Cooling coil, mastoid	199
Coplin's staining jars	48–49
Copper, actual cautery	148
Cords, cautery	347
Corde's curette tip, laryngeal	266
" ethmoid punch	209
" sphenoid punch	209
Corelysis hook	175
Corey's placenta forceps	339

	Page
Corneal spuds	174–175
" trephines	182
Cornet's cover glass forceps	42–43
Cornets, ear	200
Corsets, spinal	378
Corwin's tonsil haemostat	252
Costotome	3
Cotton, absorbent	164
" carriers	269
" elastic bandages	386
" reservoirs	183, 203
Counting chambers, haemacytometer	50
Cover glass forceps	42–43
" glasses	40
Covers for urethral dilators	296
Coxeters prostatic catheters	302
Cozzolini-Allport's mastoid forceps	196
Craig's tonsil scissors	259
Cranial cutting forceps	109
" drills	121
" haemostats	123
" wire saw conductor	118
Cranioclasts	336
Craniotomy forceps	337
Criles' artery forceps	37
" blood transfusion canula	36
" " " forceps	37
" carotid clamp	37
" dissector	245
" needle holder	126
Critchett's eye scoop	174–175
" " speculum	171
" iridectomy knife	173
Cross bones	58
Cross' corneal trephine	182
Crutches	386
" lithotomy	167
Crypta knife	256
Cube's laryngeal syringe	24
Cullen's uterine elevating forceps	321
Cullom's tonsil dissector	251
" " forceps	253
" " haemostat	252
Cupping cups	56
" pumps	57
" sets	56
Cups, cocaine solution	203
" cupping	56
" drinking	364
" feeding	364
Curettes, abortion	316–317
" adenoid	227–229
" antrum	222
" bone	103–104
" chalazion	174–175
" dermal	244
" ear	189, 194–195
" ethmoidal	223
" frontal sinus	223
" laryngeal	265
" mastoid	194–195
" nasal	210–211
" placenta	338
" rectal	284
" tonsil	251
" urethral	308
" uterine	316–317
Current controllers	243, 350
Curtis' adenoid forceps	231
" nasal saws	211
Cusco's vaginal specula	312
Cushing's brain retractor	123
" " spatula	122
" cranial drill	121
" vein retractor	123
Cushions, air	367
" operating	360
Cutaneous punch	244
Cut-offs automatic	30, 235, 290, 361
" " irrigator	30, 361
" " urethral irrigator	290
Cutter-Thomas pessaries	331
Cylinders, salvarsan	33
Cystocele pessaries	332
Cystoscopes	303–305
Cystotomes	173

Page

D

Dahlgren's bone rongeur 109
Daland's haematocrit 52–53
" salvarsan outfits 32
Dappen's solution jars 203
Darby's bone rongeur 109
Dann-Jenning's mouth gags 249
Dare's haemoglobinometers 51
Daviel's scoops 174–175
" spatula 174–175
Davis' ligature needle 138
Davol's tubing cut-off 30
Dawson's tenaculum scissors 328
Dean's frontal sinus curette 223
" tonsil knives 256
" " scissors 259
" turbinate knife 210
Deaver's hysterectomy forceps 326
" operating scissors 91
" retractors 95
DeGarmo's hernia needle 131
Delaroza's eye suture needles 173
De Lee's infant incubator 341
" sponge holding forceps 88
" uterine dressing forceps 314
Delstanche's adenotome 227
" masseur 185
Demarest-Sluder's tonsil guillotine 263
Dench's tuning forks 186
" whistles 186
Denhart's mouth gags 61, 249
Denis' chalazion forceps 177
Dental forceps 247
Depressors, prostatic 298
" tongue 248
De Puy's splints 384
Dermal instruments 244
Dermatograph pencils 244
De Roalde's adenoid curettes 227
" nasal speculum 201
Deschamp's ligature needles 138, 245
De Schweinitz's lachrymal syringe 23
Desjardin's gall bladder scoops 277
" " " probe 99
Desmarre's eyelid retractors 170
" entropium forceps 177
" paracentesis needle 172–173
" scarifier 173
Deutschmann's cataract knife 172–173
Developers, breast 57
" penis 57
De Vilbiss' atomizers 233–234
" cranial rongeur 109
" cut-off, automatic 235
" eye irrigator 183
" powder insufflator 232
" nebulizers 234
" rectal speculum 282
" trephines 122
" vaginal specula 312
De Wecker's eye probe 174–175
" iris scissors 180–181
" scleratome 173
" tattooing needle 174–175
Dewee's obstetric forceps 334
Dewey's placenta curette and hook 338
De Zeng's otoscope 187
Diagnostic instruments 7–16
" tubes, ear 185
Dickinson's tonsil dissector 251
" " retractor 252
" " tenaculum 252
Dilating sounds, urethral 292
Dilators, esophageal 271
" lachrymal 182
" obstetric 333
" prepuce 285
" rectal 280
" tracheal 267
" urethral 292–296
" uterine 318–319
" vein 37
Director and aneurism needle 99
" hernia 99
" lithotomy 307
" and tongue tie 99
Director, vein 37

Page

Dishes, evaporating 48–49
" laboratory 48–49
Dissecting blow pipes 3
" cases 5
" chain hooks 4
" forceps 3
" knives 2
" needles 4
" probes 4
" scissors 4
" seekers 4
" tenacula 2
Dissectors, nasal 216–219
" prostatic 298
" submucous 216–219
" tonsil 251
Dittel's urethral forceps 307
Dix's spuds, eye 174–175
Donoghue's retractors 96
" tenaculum forceps 322
" tumor forceps 324
" vulsellum forceps 323
Doremus' ureameters 54–55
Double current catheters 302
Douche pans 364
Douches, ear 192
" eye 183–184
" nasal 232
" rectal 280
" uterine 320
" vaginal 320
Douglass' antrum trocar 222
" bandage roller 160
" cilia forceps 178
" haemostatic tonsil guillotine 263
" measuring rod 14
" nasal snare 213
" stethoscope 12
" tonsil knife 256
" urine analysis test cabinet 55
Douglass-Bozeman's uterine forceps 314
Dowling's antrum illuminator 242
Down's mastoid chisels and gouges 193
" stethoscope 11
Downes' cautery transformers and knives 348
Doyen's abdominal needles 131
" adenoid forceps 230–231
" bone rongeurs 109
" cranial chisel 121
" hysterectomy forceps 326
" intestinal forceps 274
" mouth gags 61, 249
" needles 131
" operating scissors 92
" polypus forceps 324
" raspatory 116
" retractors 96, 327
" rib raspatory 116
" rib shears 108
" skull saw 117
" towel forceps 86
" tumor screw 324
" vulsellum forceps 323
Doyen-Gelpi's perineal retractor 327
Doyen-Kelly's vaginal retractors 327
Drainage tubes, abdominal 158–159
" " empyema 158–159
" " esophageal 269
" " intestinal 158
" " mastoid 199
" " supra pubic 309
" " prostatic 298
Dressing forceps, ear 190
" " eye 178
" " nasal 204, 206
" " thumb 84–85, 87
" " tonsil 255
" " uterine 314–315
" scissors 328–329
" sterilizers 357–358
Dressings, surgical 163–164
Drills, antrum 222
" bone 105–106
" cranial 121
Drinking cups 364
Drop bottles, anaesthesia 60
Drop bottles, eye 183

Page

Drop bottles, laboratory 48–49
Droppers laboratory 183
Drop tubes, saline infusion 35
" " urethral 289
Drum, test, for eye instruments 184
Dry catgut 143–144
Drying oven, laboratory 46
Dudgeon's sphygmograph 10
Dudley's fixation forceps 178
Duffee's nasal snare 213
Dunn's eye dropper 183
Dunsmore's uterine scissors 328
Duodenal tips and buckets 272
" tubes 272
Duplay's polypus forceps 204
" uterine tenaculum forceps 322
Durham's elevator and dissector 115
" suture needles 258
" urethral retrojector 291
Dusters, iodoform 160
Dynamometer 9

E

Ear appliances for projecting ears 386
" applicators 189, 223
" bougies 185
" catheters 185
" cornets 200
" curettes 189, 194–195
" douches 192
" forceps 190
" instruments 185–200
" knives 191
" perforators 191
" probes 189
" snares 192
" specula 187–188
" spouts 192
" syringes 27, 29, 192
" trumpets 200
Earl's pile clamp 283
Eastman's vaginal retractors 327
Eastman-Richardson's retractors 95
Echols' traction apparatus, bone 113
Edebohl's leg holders 360
" operating cushions 360
Edebohl-Miller's vaginal specula 312
Edgar's uterine douche 320
Edmonton's bone extension tongs 114
Edward's rectal hook 284
Einhorn's duodenal tip 272
" saccharometers 54–55
Eissner's prostatic cooler 297
Elastic cotton bandages 386
" hosiery 387–388
Electric cautery burners 347
" " cords 347
" " handles 347
" current controllers 242, 350
" headlights 241
Electro-diagnostic illuminators 242–243, 350
" " outfits 350
Electro-operative bone engines 124
Electrolysis instruments 349
Elevating forceps, kidney 278
" " uterine 278
Elevators, bone 119
" mastoid 198
" nasal 216–219
" pereosteal 115
" staphylorraphy 246
" submucous 216–219
" uterine 316
Elei counting chamber, blood 50
Elliott's craniotomy forceps 337
" corneal trephine 182
" obstetric forceps 334
" uterine dressing forceps 314
" " elevator 316
Elsberg's blood transfusion canula 37
Embedding media, microscopic 41
Embryotomy knives 338
Emmett's cervical needles 131–132
" counter pressure hook 330
" ovarian trocars 146–147
" placenta curette 339
" uterine applicator 313

Page

Emmett's uterine dressing forceps 314
" " scissors 328
" " tenacula 322
" wire twisting forceps 330
Empyema apparatus 158
" drainage tubes 158–159
Endoscopes, urethral 286
Engelman's placenta curettes 338
Engel's plaster bandage saw 162
English catheters and bougies 300
English tissue forceps 84
Entropium forceps 177
Enucleation forceps 177
" knives 172–173
" scissors 180–181
Enucleators, prostatic 298
" tonsil 251
Erlenmeyer's flasks 48–49
Esbach's albuminometers 54–55
E. S. I. Co. antrum illuminator 242
" cautery transformer 349
" current controller 243, 350
" cystoscopes 304
" diagnostic illuminators 242, 350
" electro-diagnostic outfits 350
" frontal sinus illuminator 242
" head light, electric 241
" laryngoscope 242
" mouth lamp, electric 242
" nasal speculum lighted 202
" otoscopes 187
" proctoscope 281
" eye spud, lighted 175
" tongue depress, lighted 248
" Tungsten battery, light 243, 350
" urethroscopes 287–288
Esmarch's bone drill 105
" chloroform dropper 60
" inhaler masks 63
" irrigator cut-offs 361
" plaster bandage knife 161
" " " shears 162
" tourniquet 126
Esophageal bougies 271
" dilators 271
Esophagoscopic instruments 268–271
Ether bottles, dropping 60
" inhalers 62–64
Ethmoid chisels 223
" curettes 223
" knives 223
" punches 209
Ethridge's haemostatic forceps 74
" hysterectomy forceps 326
Ethyl chloride 66
Eustachian bougies 185
" burrs 193
" catheters 185
" curettes 189
Evacuators, lithotomy 306
" stomach 272
Evans' nasal inhaler 232
Evaporating dishes 48–49
Eve's tonsil forceps 253
" " snares 261
Ewald's stomach aspirator 272
" " tubes 272
Ewing's fixation forceps 178
Exostosis knife 210
Exploring canulae 225
" trocars 146
Expressors, comedone 244
Extension apparatus, bone 114
" shoes 373
Extractors, Comedone 244
Extractors, tooth 247
Eye bath 183
" canulae 182
" droppers 182–183
" forceps 176–179
" gouges 175
" instruments 170–184
" irrigators 183–184
" knives 172–173
" needles, suture 132
" needle holders 181
" probes 175

Page

Eye scissors 180–181
" scoops 175
" shades 184
" shields 184
" specula 171
" spuds 174–175
Eyelid retractors 170

F

Faenger's probe 99
Falconer's arthrometer 9
Falta's trachoma forceps 179
Farabeuf's bone curettes 103
" " holding forceps 110
Farabeuf-Lambotte's bone holding forceps 110
Faradic batteries 346
Farka's tissue forceps 84
" urethral speculum 286
Farlow's nasal probes 203
" post nasal applicator 203
" tongue depressor 248
" tonsil punch 257
" " snare 261
Farlow-Boettcher's tonsil snare 261
Farrell's cotton reservoirs 203
" septum splints 215
Faught's sphygmomanometers 7–8
Faulkner's ethmoid curettes 211
" frontal sinus curettes 211
Fauvel's throat forceps 265
Feeding cups 364
" tubes, nasal 272
Feilchenfeld's splinter forceps 85
Felizet's perineal needle 138
Felsenreich's axis traction forceps 334
Female catheters 302
Ferguson's angiotribe forceps 74
" bone curettes 103
" " holding forceps 110
" gall bladder scoops 277
" haemostatic forceps 74
" hysterectomy forceps 325
" mouth gag 61, 249
" needles, suture 132
" operating scissors 92
" prostatic cutting forceps 298
" " depressor 298
" " drainage 158, 289
" " staff 307
" stem pessaries 330
Ferguson-Gwathmey's mouth gag 61, 249
Fermentation tubes 54–55
Ferroud-Thorner's intubation sets 271
Fibre mallets 195
Field tourniquet 126
File, septum 219
Filiform bougies 292
Filters, laboratory 47
Fish's antrum canula 225
Fisher's advancement forceps 176
" capsular forceps 176
" eye needle holder 181
" eyelid retractors 170
" iris forceps 179
" lid forceps 177
Fistula knife, vaginal 327
" needles, suture 130–132
" scissors, vaginal 329
Fistulatome, rectal 284
Fitch's uterine sound 316
Fixation forceps 178
" hooks 174–175
Flasks, laboratory 48–49
Fletcher's antrum punches 209
" ethmoid-sphenoid punch 209
Fleurant's vesical trocar 147
Flint's percussor 9
Float, safety valve 238
Fluhrer's bullet probe 125
Foerster's capsular forceps 176
" sponge forceps 89, 315
Foerster-Haslam sponge forceps 89, 315
Foil, silver 160
Forceps, adenoid 230–231
" advancement 176
" anastamosis intestinal 273
" angiotribe 74

Page

Forceps, artery 74–81
" axis traction 334–335
" bladder 307
" blood transfusion 37
" bone cutting 107–109
" " gouging 109, 196–197
" " holding 110–111
" bronchoscopic 266, 269
" bullet 125
" capsular 176
" chalazion 177
" cilia 178
" cover glass 42–43
" cranial rongeurs 109
" craniotomy, obstetric 337
" dental 247
" dissecting 3
" dressing, ear 190
" " eye 178
" " nasal 204, 206
" " spring 84–85
" " uterine 328–329
" ear 190
" elevating, kidney 278
" " uterine 321
" entropium 177
" enucleation 177
" epilating 178
" esophagoscopy 269
" eye 176–179
" fixation 178
" gall bladder 277–278
" gastro-enterostomy 274–276
" haemostatic 74–81
" " nasal 206
" " tonsil 255
" hysterectomy 325–326
" intestinal 274–276
" iris 179
" kidney 278
" laminectomy 000
" laryngeal 265
" lid 177
" lithotomy 307
" lobe, prostatic 298
" marginal tissue 83
" mastoid 196–197
" microscopic 42–43
" morcellation 000
" mosquito 75
" nasal 204–208
" needle pulling 127
" nephrectomy 278
" obstetric 333–335
" parametrium 326
" pedicle 326
" phimosis 285
" pile 283–284
" placenta 339
" polypus, nasal 204–206
" post nasal 230–231
" prostatic 298
" pylorus 274–276
" rectal 284
" rongeur 109, 196–197
" septal ridge 221
" septum compression 204
" " cutting 221
" " straightening 220
" sequestrum 110–111
" shot compression 140, 330
" slide holding, microscopic 42–43
" sphenoidal 206, 209
" splinter 85
" sponge holding 88–89, 231, 315
" staphylorraphy 245–246
" sterilizer 87
" stomach 274–276
" strabismus 179
" suture 141
" tenaculum, uterine 322
" tendon 179
" thumb, dressing 84–85, 87
" tissue 82–85, 245, 320
" " uterine 320
" toe nail 111
" tongue 67, 245

	Page
Forceps, tonsil seizing	253–255
" tooth extracting	247
" towel	86
" tracheal	267
" trachoma	179
" tumor	324
" urethral	307
" uterine dressing	314–315
" " elevating	321
" " polypus	324
" " tissue	320
" vulsellum	323
" wire twisting	330
" wound clip	140–142
Fordyce's adapters	30
" salvarsan needle	31
Ford's stethoscope	11
Foreign body hooks, eye	175
" " instrument, ear	189
" " " esophageal	266
Forgrave's mouth gag	249
Forks, tuning	186
Forlanini's pneumo-thorax needle	158
Fornier's syringe	21
Forwood's mallets	195
" retractors	94
Foster-Ballenger's nasal speculum	146
" " septum punch	221
Fountain syringes	366
Fowler's dilating sounds	292
" ear douche	192
" infusion apparatus, etc.	34
" infusion canulae	35
" iodoform boxes	160
" pessaries	331
" trocar, infusion	146
Fowler-Otis' sounds, in set	293
Fox's acne lancet	244
" corelysis hook	175
" " spatula	175
" cystotomes	174–175
" dermal curette	244
" enucleation scissors	180–181
" eye canulae	182
" " shield	184
" " speculum	171
" fixation forceps	178
Fracture box	381
" shoulder brace	379
Fraenkel's antrum canulae	225
" head bands	239
" " mirrors	240
" laryngeal applicators	264
" " cutting forceps, tips	266
" " syringe	24
" nasal speculum	201
" tongue depressor	248
Francis' capsular forceps	176
" chalazion forceps	177
Frazier's bone extension apparatus	114
" retractors	97
Freer's chisel, nasal	210
" dissectors, nasal	217
" frontal sinus curette	223
" gouge, nasal	210
" nasal hooks	219
" " retractors	219
" pillar separator, tonsil	251
" septum forceps	221
" " knives	219
" tonsil knives	256
Freer-Jackson's transilluminator	243
French's adenoid forceps	230–231
" head bands	239
" mouth breathing apparatus	386
" mouth gag	249
French bougies	294
" catheters	301
" trusses	391
Freyer's supra-pubic drainage tubes	309
Friedrich's rib raspatories	116
Fritsch's retractors	96
Frontal sinus canulae	225
" " chisels	223
" " curettes	223
" " illuminators	242–243
" " protector	224
Frontal sinus rasps	224
" " sounds	224
Fry's nasal cutting forceps	208
Fuchs' capsular forceps	176
Funnels, glass	48–49
Furniture, office	352–356
" hospital	359
Furuncle knives	191

G

	Page
Gags, mouth	61, 249–250
Galezowski's scleratome	173
" secondary knife	173
Gall bladder forceps	277–278
" " scoops	277
" " trocars	146, 277
" duct probes	277
Gallaher's antrum rasp	224
" " trocar	222
Galt's trephine	122
Galton's whistles	186
Galvanic batteries	346
Gant's pile clamp	283
" rectal forceps	284
" " specula	282
Garrigue's laryngeal forceps	265
" uterine packing forceps	314
" vaginal specula	312
Gas oxygen apparatus	65
" bracket	238
" stove for actual cautery	148
Gastro-enterostomy buttons	273
" " forceps	274–276
" " needles	135
Gastroscopic instruments	268–270
Gauze bandages	164
" dressing	163–164
" packers, urethral	289
" " uterine	313
Gebauer's ethyl chloride	66
Geiger's cautery cords	347
" electro-operative bone set	124
Gelpi's perineal retractor	97
Gelpi-Doyen's perineal retractor	327
General operating sets	157
Gerster's turnbuckle	113
Gerster-Lowman's bone holding clamps	112
Gerzog-Reiner's nasal speculum	202
Gibson's eye irrigator	184
Gifford's fixation forceps	178
Gigli's saws	118
Girdner's prepuce dilator	285
Glasgow's uterine douche	320
Glass box, for needles	362
" rod	49
" tubing	49
" urinals	364
Glasses, medicine	364
Glassware, laboratory	48–49
Gleason's head band	239
Gloves, rubber, surgeon's	164
Gluck's rib shears	108
Goelet's retractors	94
" tenaculum forceps	322
" uterine curettes	316
Goldsmith's cut-off	290
Goldstein's nasal elevators	219
" " speculum	214
" placenta curettes	338
" uterine "	317
Good's chisel	223
" drainage tube	223
" frontal sinus protector	224
" " " rasp	224
" " " sound	224
" nasal speculum	214
" septum file	219
" sphenoid rasp	224
" tonsil haemostat	252
" " scissors	259
Goodell's uterine dilators	318
Goodwin's vein director	37
Gorget, lithotomy	307
Gorham's bone extension apparatus	114
Gosman's rust preventive	160
Gossert's retractors	98
Gottstein's adenoid curettes	229

Page

Gouges, bone ... 3, 101, 193
Gouges, eye ... 174–175
" mastoid ... 193
" nasal ... 210
" post mortem ... 3
Gouley's filiform bougies ... 292
" meatotome ... 297
" stone searcher ... 306
" tunnel catheters ... 302
" " sounds ... 292
" urethral dilator ... 295
Gower's haemoglobinometers ... 51
Gowns, contagious disease ... 166
" nurses' ... 165
" surgeons' ... 165
Gracey's needle holder ... 127
Graduates, laboratory ... 48–49, 364
Gradwohl's tourniquet ... 126
Graefe's cataract knives ... 172–173
" cystotomes ... 173
" eye scoops ... 174–175
" eye speculum ... 171
" iris forceps ... 179
" " knives ... 172–173
" fixation forceps ... 178
" foreign body hook ... 175
" knife and spud ... 175
" lens retractor ... 174–175
" scarifier ... 173
" strabismus hooks ... 174–175
Graeser's salvarsan needles ... 31
Grave's vaginal specula ... 312
Green's iodoform box ... 160
" mastoid curettes ... 194
" placenta curettes ... 338
" uterine " ... 316
Green-Martin's mouth gag ... 249
Green-Sewall's " " ... 250
Greenberg's cysto-urethroscopes ... 305
Greene's cataract knife ... 172–173
" fixation forceps ... 178
" hearing horn ... 200
" spatula and probe, eye ... 174–175
Griffin's ethmoid chisel ... 223
" " curette ... 223
" tonsil scissors ... 259
Gross' bullet forceps ... 125
" ear spoons and hook ... 189
" polypus forceps, nasal ... 204
" spiral catheter ... 302
" urethratomes ... 297
Grosvenor's placenta forceps ... 339
Gruber's ear specula ... 188
Gruening's drainage tube ... 199
Gruenwald's ethmoid punch ... 209
" frontal sinus canulae ... 225
" nasal forceps ... 207–208
" " scissors ... 212
" sphenoid sinus canulae ... 225
Gruenwald-Hartmann's nasal forceps ... 207
Gruenwald-Kuemmel's nasal forceps ... 208
Gruenwald-Struycken's nasal forceps ... 208
Guards, mastoid ... 198
Guides, catheter ... 300
Guillotines, tonsil ... 262–263
Guitera's perineal trocar ... 146
" prostatic retractor ... 299
" " tearing forceps ... 298
" rectal douche ... 280
Gum knife ... 245
" lancets ... 71, 149
" scissors ... 246
Gut, silk worm ... 144
Guthrie's fixation hook ... 174–175
Gutsch's bone chisels and gouges ... 101
Gutta percha tissue ... 164
Guyon's bougies a boule ... 294
" catheter guide ... 300
" drop tubes, deep urethral ... 289
" exploring bougies ... 294
" urethral drop syringe ... 26
" vessel clamp ... 278
Gwathmey's inhaler ... 62–63
" mouth hooks ... 62
Gwathmey-Ferguson's mouth gag ... 61
Gwathmey-Yankauer's inhaler ... 63
Gynaecic needles ... 131–133

Page

H

Haemacytometers ... 50
Haematokrit ... 52
Haemoglobinometers ... 51
Haemorrhoidal clamps ... 283
" needles ... 31
Haemostatic forceps ... 74–81
" " cranial ... 123
" " nasal ... 206
" " tonsil ... 255
" needles ... 136
Haemostats, tonsil ... 252
Hagedorn's needles ... 130
Hajek's mallet ... 102
" mastoid chisel and gouge ... 193
" " mallet ... 195
" nasal elevators ... 216–219
" " gouge ... 210
" " hook ... 210
Hale's obstetric forceps ... 334
" vaginal speculum ... 312
Hall's nasal saws ... 211
Halle's frontal sinus curette ... 223
Halstead's haemostatic forceps ... 75
" mosquito forceps ... 75
" silver foil ... 160
Hamilton's bone drill ... 105
" bullet probes ... 125
" tongue depressor ... 248
Hamilton-Collin's splints ... 381
Hammers, percussion ... 9
Handles, electro-cautery ... 347
" electrolysis ... 349
" for Gigli's saws ... 118
" universal, for forceps ... 191, 266
Hank's trachelorraphy scissors ... 328
" uterine dilators ... 318
Hardy's mastoid curettes ... 194
Hare lip instruments ... 245–246
Harmon's fixation forceps ... 178
Harmon-Smith's paraffin, sterile ... 25
" " " syringe ... 25
Harris' tonsil dissector and knife ... 251
Harrison's bougies, whip end ... 294
Hartmann's antrum canulae ... 225
" ear forceps ... 190
" eustachian catheters ... 185
" furuncle knife ... 191
" mastoid rongeurs ... 196
" nasal cutting forceps ... 208
" " dressing forceps ... 204
" " specula ... 202
" raspatory ... 198
" tonsil punches ... 257
" tuning forks ... 186
Hartmann-Citelli's ear forceps ... 190
Hartmann-Herzfeld's " " ... 190
Harvey's uterine dressing forceps ... 315
Hasbrook's infusion connection ... 35
Haskin's suction apparatus ... 226
Haslam's bristle probangs ... 266
" ear forceps ... 190
" head bands ... 239
" mastoid chisels and gouges ... 193
" phimosis forceps ... 285
" placenta forceps ... 339
" projecting ear appliance ... 386
" tongue forceps ... 67
" sponge holding forceps ... 89
" stirrups ... 360
" tongue depressor ... 248
" tracheatomes ... 267
" turnbuckle ... 113
" vaginal speculum ... 312
" vulsellum forceps ... 323
Hawe's clavicle splints ... 384
Hawley's bone holding clamp ... 112
Hayden's ear knife ... 191
Hayes' iris knife ... 172–173
Hays' electrolysis needles ... 349
Hazard's tourniquet ... 126
Hazeltine's elevators ... 219
Head bands ... 239
" covers, operating ... 166
Headlights ... 241
Head mirrors ... 240
" rest ... 379

Page

Hearing devices ... 200
" horns ... 200
Heath's mastoid knife ... 198
" suture scissors ... 330
Hebra's chalazion curette ... 174–175
" dermal curette ... 244
Heffernan's nasal specula ... 201
Hegar's needle holders ... 126
Hegar-Mayo needle holders ... 126
" uterine dilators ... 318
Hennig's ear set ... 191
Henrotin's vulsellum forceps ... 323
Henry's cilia forceps ... 178
" scrotal clamp ... 308
Hernia directors ... 99
" knives ... 72, 149
" needles, injection ... 31
" " ligating ... 132
Herzfeld's ear forceps ... 190
" eustachian catheters ... 185
" nasal scissors ... 212
Hesse's plexímeter ... 10
Hewitt's ear douche ... 192
Hey's skull saw ... 117
Heymann's nasal forceps ... 205
" " scissors ... 212
Higbie's vaginal specula ... 312
Higgin's axis traction forceps ... 334
" obstetric dilator ... 333
Hill's tonsil snare ... 261
Himley's eye needles, suture ... 173
Hind's uvula retractor ... 250
Hirst's placenta forceps ... 338
Hodge's obstetric forceps ... 334
" pessaries ... 331
Hodgen's suspension splint ... 381
Hoeve's cranial haemostat ... 123
Hoffman's laboratory clamps ... 45
" pessaries ... 331
" rongeur forceps ... 109
Hofstetter's colostomy pouch ... 285
" supra-pubic drainage appliance ... 309
Holders, catheter, glass ... 300
" for haemastatic forceps ... 81
" for knives ... 73
" for test tubes ... 55
" leg ... 167
Holmes' nasal douche ... 232
" " saw ... 211
" " scissors ... 208, 212
" naso-pharyngoscope ... 242
Hood's headlight ... 241
" trusses ... 391
Hooks, axis traction ... 333
" calvarian ... 4
" corelysis ... 175
" counter pressure ... 330
" dissecting ... 4
" ear ... 189, 191
" eye ... 174–175
" ligature ... 245
" nasal ... 210, 219
" obstetric ... 337
" placenta ... 338
" rectal ... 284
" strabismus ... 174–175
" tonsil ... 252
" tracheal ... 267
Hooper's adenoid forceps ... 231
Hopkins' rongeurs ... 109
Horns, hearing ... 200
Horse hair ligatures ... 143–145
Horsley's bone cutting forceps ... 107
" " wax ... 145
" vein staff ... 37
Horton's tonsil needles, injection ... 24
Hosiery, elastic ... 387–388
Hosmer's ear spout ... 192
Hospital furniture ... 359
Hot water bottles ... 366
Hotz's advancement forceps ... 176
" " hook ... 191
" " probe ... 189
Houze's tongue forceps ... 67
Hovel's drainage tube ... 225
Howe's tonsil haemostat ... 255

Page

Hudson's rongeurs ... 109
" cerebellar attachment ... 121
" cranial drill ... 121
" elevators ... 122
Humane restraint appliances ... 369
Hunt's chalazion forceps ... 177
Hupp's trachea retractor ... 267
Hurd's nasal dissector ... 217
" " speculum ... 214
" septal ridge forceps ... 221
" tonsil dissector and retractor ... 251
Husk's mastoid rongeur ... 196
Husson's sponge holder ... 315
Hutchinson's hip joint apparatus ... 377
Hyperemia suction appliances ... 56
Hypodermic needles ... 30–31
" syringes ... 17–21
Hysterectomy forceps ... 325–326
" knives ... 327

I

Ice bags ... 199, 366
" " mastoid ... 199
Ideal sounds, dilating ... 292
Incubator, infant ... 341
" laboratory ... 47
Infant incubator ... 341
Infusion apparatus, saline ... 34–35–36
" needles and tubes, saline ... 35
" thermometer ... 35
Ingall's nasal speculum ... 202
" septum knife ... 210
Ingersoll's adenoid curette ... 227
Inhalers, nasal ... 185, 232
" anaesthesia ... 62–64
" " masks ... 63–64
Injection syringes, penis ... 27–29, 290
Ink polygraph ... 10
Instep supports, arch ... 373
Instrument cabinets ... 354, 356
" rolls ... 168
" trays ... 363
Insufflators, powder ... 232
Intestinal clamps ... 274–276
" drainage tubes ... 158
" forceps ... 82–83, 274–276
" needles ... 130, 133–135, 137
" tissue and marginal forceps ... 83
Intravenous needles, injection ... 30–31
Introducer for vitreous spheres ... 184
" for stem pessaries ... 331
Intubation sets ... 271
Invalid rolling chairs ... 368
Iodine sponge forceps ... 87
Iodoform boxes ... 160
Iridectomy knives ... 172–173
Iris forceps ... 179
" hooks ... 174–175
" knives ... 172–173
" needles ... 173
" probes ... 174–175
" scissors ... 180–181
" spatulae ... 174–175
Irons, actual cautery ... 148
Irrigating curettes, uterine ... 317
" specula, vaginal ... 314
" tubes, abdominal ... 159
Irrigator cut-offs ... 361
" tips or nozzles ... 289–291, 361
" stands ... 355
Irrigators, enameled and glass ... 361
" eye ... 184
" glass ... 361
" rectal ... 280
" urethral ... 289–291
Isaac's operating table ... 353
Ivan's head band ... 239
" laryngeal applicators ... 189, 203, 264
" pharyngeal " ... 203
Ivory pegs for bone work ... 120

J

Jaboulay-Lumiere's anastamosis buttons ... 273
Jackson's acne lancet ... 244
" aspirator, bronchoscopic ... 269

Page

Jackson's bronchoscopes and accessories....268–269
" bronchoscopic forceps....266, 269
" " hook....269
" cataract knife....172–173
" comedone expressor....244
" cotton carrier....269
" esophagoscopic tubes....268–269
" gastroscopes....269
" laryngeal cutting forceps...266, 269
" " specula....268–269
" nasal scissors....212
" probe, bronchoscopic....269
" tissue forceps....82
" trachea tubes....267
" tongue depressor....248
" tonsil slitter....252
" vaginal retractors....327
Jackson-Kyle's bronchoscope....269
Jacob's hysterectomy forceps....326
" vusellum forceps....323
Jaeger's keratomes....172–173
" lid plate....171
James' bone holding forceps....110
Janet's urethral nozzle....289
Janet-Frank's bladder syringes....28
Jansen's mallet....102
" mastoid curettes....189
" " retractor....199
" " rongeur....197
" nasal dressing forceps....204
" raspatory, bone....198
Jansen-Middleton's septum forceps....221
Jars, dressing....362
" mouse....45
" solution....203
" specimen....48–49
" staining....48–49
Jarvis' nasal snare....213
" " speculum....201
" pile clamp....283
" septum forceps....221
Jefferson's head band....239
" knives....69
" pocket case....155
Jeffrey's chain saw....117
Jeger-Elsberg's blood transfusion canulae..37
Jelly, lubricating....164
Jenk's perineal scissors....328
" uterine sound....316
Jenning's mouth gags....61, 250
" uterine douche....320
Jewell's stills, laboratory....47
Jewett's axis traction forceps....334
" dilating sounds....292
Jobse's bandage rollers....160
Johnson's urethral retrojector....291
Johnston's laryngeal speculum....268–269
Jones' haemostatic forceps....78
" pile clamp....283
" splints....382–383
" towel forceps....86
Jurascz's adenoid forceps....231
" antrum trocar....222
Jutte's duodenal tube....272
Jury mast....381

K

Kaliski's transfusion needle....31
Kalteyer's cover glass forceps....42–43
" otoscope, electric....187
Kanavel's duodenal tube....272
Kangaroo tendons....143
Kashimura's thoracic trocar....146
Kathi's adenoid forceps....231
Kaufman's arsphenamine outfit....33
" Luer's syringe....33
Kean's irrigator cut-off....290
" tonsil forceps....253
Keith's abdominal needles....133
Kehler's stethoscope....13
Kelly's artery forceps....76
" calibrator....308
" cervix knife....327
" dressing forceps, spring....84
" endoscopes....286
" gauze packer....313

Page

Kelly's gynaecic needles....133
" haemostatic forceps....76
" infusion apparatus....34
" intestinal needles....133
" leg holders....167
" operating cushion....360
" packer....277
" pelvic abscess drainage....158
" placenta forceps....339
" proctoscopes....281
" rectal applicator....284
" " curette....284
" " forceps....284
" " sponge holder....284
" retractors, abdominal....96
" searcher....308
" sounds....293
" sponge forceps....89, 315
" sphincter dilator....280
" tissue forceps....84, 308, 320
" trachelorraphy needles....133
" ureteral catheter....308
" urethral applicator....308
" " curette....308
" " dilator....308
" " forceps....307
" " sounds....293
" uterine syringe....316
" " tenaculum....322
" vaginal fistula knife....327
" " " scissors....329
" " retractors....327
Kelly-Bozeman's uterine douche....320
Kelly-Gargean's endoscope....286
Kelly-Miller's needle holder....127
Kelly-Pean's haemostatic forceps....81
Kelly-Sims' vaginal retractors....327
Kelsey's pile clamp....283
" rectal specula....282
Kemp's rectal douche....280
Kenavel's frontal sinus curette....223
Keratomes....172–173
Kerrison's mastoid rongeurs....197
Keyes' dermal punch....244
" varicocele needles....138
Keyes-Ultzmann's urethral syringes....26
Keystone faradic batteries....346
" glavanic batteries....346
Kidney forceps....278
" needles....133
Kieffer's urethral nozzles....289
Killian's antrum canulae....225
" " trocar....222
" exostosis knife....210
" frontal sinus curette....223
" laryngeal cutting forceps....266
" nasal hook....219
" " needles....225
" " specula....214
" septum dissector and elevator....217
" " forceps....204
Killian-Hubbard's laryngeal curette....265
Kimpton-Brown's blood transfusion apparatus....38
King's scrotal clamp....308
Kirkbride's microscopic slide forceps....42–43
Kirkpatrick's tonsil scissors....259
Kirstein's adenoid curettes....229
Klein's obstetric slippers....341
Klotz's endoscopes....286
Knapp's capsular forceps....176
" cataract knife....172–173
" cystotome....173
" drainage tube....199
" entropium forceps....177
" eye needle holders....181
" " scoops....174–175
" intestinal clamp....274
" knife needles....173
" Lachrymal scissors....181
" Trachoma forceps....179
Knee caps....376, 388
" splints....376
Knife holders....73
Knight's nasal forceps....204–205
" " scissors....212
Knives, abscess....73

Page

Knives, amputating . . . 73
" brain . . . 3
" canalicula . . . 172–173
" cartilage . . . 2
" cataract . . . 172–173
" cautery . . . 348
" cervix . . . 327
" dissecting . . . 2
" ear . . . 191
" embryotomy . . . 338
" enucleation . . . 172–173
" ethmoidal . . . 223
" exostosis . . . 210
" eye . . . 172–173
" gum . . . 245
" hysterectomy . . . 327
" iridectomy . . . 172–173
" iris . . . 172–173
" laryngeal . . . 265
" lid . . . 172–173
" mastoid . . . 198
" meatus . . . 297
" microscopic . . . 43
" minor operating . . . 68–72
" mucosa . . . 219
" nasal . . . 210, 220
" operating . . . 68–72
" paring . . . 245
" plaster bandage . . . 161
" pocket case . . . 149
" post mortem . . . 2
" prostatic . . . 298
" scarifying, uterine . . . 327
" secondary . . . 173
" septum . . . 210, 219
" sphenoid . . . 223
" staphylorraphy . . . 245
" swivel . . . 210
" tonsil . . . 256
" trachelorraphy . . . 327
" turbinate . . . 210, 220
" uterine . . . 327
" vaginal fistula . . . 327
Knox's phimosis forceps . . . 285
Kocher's artery forceps . . . 78
" director . . . 99
" intestinal forceps . . . 274
" stomach clamp . . . 274
" supra-pubic retractor . . . 308
Koch's flasks . . . 48–49
" urethroscopes . . . 287
Koenig's suture needles . . . 133
Kollmann's urethral dilators . . . 296
Kollmann-Morton's urethral dilators . . . 295
Kraemer's ear specula . . . 188
Krause's antrum trocar . . . 222
" ear snare . . . 192
" laryngeal curettes . . . 265
" " punches . . . 266
" " snare . . . 265
" nasal snare . . . 213
Kuhnt's eye gouge . . . 175
" lid forceps . . . 177
Kuttner's lithotrite . . . 306
Kyle's crypt knife . . . 256
" nasal applicators . . . 203
" " saw . . . 211
" septum knife . . . 210
" " splints . . . 215
" " straightening forceps . . . 220
" tongue depressor . . . 248

L

Laboratory apparatus . . . 45–47
" aprons . . . 166
" glassware . . . 48–49
Labord's tracheal dilator . . . 267
Lachrymal canulae and styles . . . 182
" dilators . . . 182
" sac retractors . . . 171
" scissors . . . 181
" syringes . . . 23
Laerm apparatus . . . 185
LaForce's adenotomes . . . 229
" haemostatic tonsil guillotine . . . 262
Lambert's chalazion forceps . . . 177
Lambert-Lowman's bone clamps . . . 112

Page

Lambotte's bone holding forceps . . . 110
" " screws . . . 120
Lamb's wool . . . 164
Lamps, alcohol . . . 49, 148
" electro-theraputic . . . 346
" " -laryngoscopic . . . 242
Lancets, abscess . . . 73
" acne . . . 244
" blood . . . 52–53
" spring . . . 57
" vaccinating . . . 73
Landau's ligature needle . . . 138
Landolt's keratome . . . 172–173
" strabismus forceps . . . 179
Lane's bone drill . . . 105
" " forceps . . . 111
" " screws . . . 120
" " extension instruments . . . 119
" cleft palate needles . . . 134, 137
" gastro-enterostomy clamps . . . 274
" needles . . . 134
" pereosteal elevators . . . 115
" screw driver . . . 119
" towel forceps . . . 86
" wrench . . . 119
" bone plate holding forceps . . . 119
Lange's ethmoid punch . . . 209
" retractors . . . 94
Langenbeck's hook . . . 245
" metacarpel saw . . . 117
" needle holder . . . 127
" needle, ligature . . . 138
" raspatories . . . 116
Langstaff's uterine curettes . . . 316
" " douche . . . 320
Laryngeal applicators . . . 264
" curettes . . . 265
" forceps . . . 265–266
" instruments . . . 231–242, 264–270
" knives . . . 265
" mirrors . . . 240
" snares . . . 265
" specula . . . 268–270
" syringes . . . 24, 264
Laryngoscopes, electrically lighted 242, 268–270
Laryngoscopic instruments . . . 268–270
" set . . . 240
Lawrence's strabismometer . . . 171
Layman's tongue depressor . . . 248
Lead coil, mastoid . . . 183
" mallets . . . 102, 195
Leather bags . . . 342–343
Leavitt's obstetric dilator . . . 333
" metallic splints . . . 385
" " forceps . . . 335
" placenta curette . . . 338
Lee's knife, triangular . . . 43
Lee's splints . . . 385
LeFort's catheters . . . 302
" dilating sounds . . . 292–293
" filiform bougies . . . 292
" sounds . . . 293
LeFort-Hume's sounds in set . . . 293
Leg holders . . . 167, 360
" " lithotomy crutches . . . 167
Leiter's cooling coil . . . 199
" lead coil, mastoid . . . 183
Leitz's microscopes . . . 39
Leland's tonsil knives . . . 256
Lenox-Brown's air bags . . . 185
Lenses, condensing . . . 170
Lens retractors . . . 174–175
" scoops . . . 174–175
Lente's metacarpel saw . . . 117
Lentz's screw driver . . . 119
Leonard's hysterectomy forceps . . . 326
" placenta forceps . . . 339
" uterine douches . . . 320
" " dressing forceps . . . 315
Lerche's tonsil forceps . . . 254
Lermoyez's nasal cutting forceps . . . 208
Levis' bone extension apparatus . . . 114
" prepuce dilator . . . 285
Levy's blood counting chamber . . . 50
Lewis' eye scoop . . . 174–175
" scrotal clamp . . . 308
" tonsil screw . . . 252

Page

Lewis' tonsil snare 261
" urethral forceps 307
" " tablet depositor 289
Lewisohn's blood transfusion apparatus ... 38
Lewkowitz's lithotomy forceps 307
Leyva's splints 383
Lichtenberg's keratome 173
Lid forceps 177
" knives 172–173
" plates 171
" retractors 170
Liebreich's iris forceps 179
Ligature boxes and jars 128, 362
" carriers 140
" hooks 245
" needles 138–139
" reels, glass 144
" scissors 330
Ligatures 143–145
Light condensors 238
Limbs, artificial 380
Lilienthal's rib spreader 108
Lindeman's transfusion canulae 31
Linen thread 143
Lingual tonsilatomes 263
Linn's pile clamp 283
Linnartz's gastro-enterostomy clamps 275
Lister's bandage scissors 161
" bone spicula holding forceps 111
Liston's bone cutting forceps 107
Liston-Isaac's bone cutting forceps 107
Liston-Mayo's bone cutting forceps 107
Lithotomy crutch, leg holder 167
" director 307
" evacuators 306
" forceps 307
" instruments 306–308
" knives 71
" scoops 307
" staff's 307
Lithotrites 306
Litmus paper 55
" pencils 55
Littauer's knives 69
" stitch scissors 141, 330
Little's lithotomy director 307
" " scoop 307
" " staff 307
" pocket case 154
" splinter forceps 85
" stone searcher 306
Liver needles 134
Lobe forceps, prostatic 298
Lombard's rongeur forceps 109
" mastoid forceps 197
London's arch supporters 373
" tissue forceps 85
" bunion apparatus 373
Longyear's uterine dressing forceps 324
Loomis' placenta forceps 339
Loopuyt's abdominal needles 134
Loring's ophthalmoscopes 170
Loth's iodine sponge forceps 87
Lothrop's tonsil knives 256
Loupes, magnifying 170
Lower's kidney elevating forceps 278
" trocar 146
" vessel clamp 278
Lowman's bone clamps 112
Lublinski's nasal speculum 201
Lubricating jelly 164
Luc's nasal forceps 206
Lucae's ear douche 192
" " forceps 190
" " perforator 191
" mastoid rongeur 197
Ludlam's uterine elevator 316
Luer's adapters for syringe needles 30
" bone curettes 103
" " rongeurs 109
" hysterectomy forceps 326
" knives 69–71
" lachrymal syringes 23
" laryngeal forceps 265
" syringes, all styles 17–24
" trachea retractors 267
" " tubes 267

Page

Luer's tonsil syringe 24
Lumbar puncture needles 25
Lumbard's air way, anaesthetic 62
Lumbard-Yankauer's inhaler 63
Lusk's axis traction forceps 335
" cephalotribe 336
Lutz's septal ridge forceps 221
Luy's urine segregator 308
Lynah's bronchoscopes 270
" laryngoscopes 270
" esophagoscopes 270
" tracheascopes 270
Lynch's proctoscopes 281
" tonsil dissector 251
" " forceps 253
Lyon's duodenal tubes 272

M

MacCuen-Smith s tonsil suture needles ... 258
Maclay's tonsil scissors 259
Magnusson's bone clamp 112
Maier's polypus forceps 324
Maisonneuve's urethrotome 297
Male catheters, metal 302
Malecot's catheters 300
Mallets 3, 102, 195
Mallet's leg holders 167
Manley's blood pipette 53
Marginal tissue forceps 82–83
Markley's prostatic tractor 299
Markoe's lithotomy staff 307
Martel's cranial elevator 122
" trephine attachment 124
Martin's bone plates 120
" comedone extractor 244
" nasal snare 213
" pelvimeter 340
" rectal douche 280
" tenaculum forceps 322
" tonsil dissector 251
" uterine applicator 313
" " curettes 316
" " needles 135
" " sound 316
" vaginal retractor 327
Masks, cataract 184
" chloroform and ether 63–64
Mass. Gen. hospital elevator 115
" " " vulsellum forceps 323
Masseurs, ear 185
" prostatic 299
Masson's supra pubic retractor 308
Mastoid burrs 193
" bone gouging forceps 196
" chisels and gouges 193
" cooling coil 199
" curettes 194–195
" elevators 198
" ice bag 199
" instruments 193–199
" retractors 199
" sundries 199
Matas' maxillary splint 381
Matthew's pile clamp 283
Mathieu's bone forceps 111
" capsular forceps 176
" needle holders 127
" pereosteal elevators 116
" pile clamp 283
" rectal fistulatome 284
" rib shears 108
" tongue forceps 67
" tonsilotomes 263
" tracheal forceps 267
" urethral forceps 307
Maunoir's strabismus scissors 181
Mayer's septum splints 215
Mayo's bone cutting forceps 107
" " plates 120
" " screws 120
" dissecting scissors 92–93
" gall bladder scoops 277
" head covers 166
" instrument rack 353
" linen thread 143
" needles 135, 137
" scissors 92–93

Page

Mayo's probe, gall duct ... 99
" prostatic drainage ... 298
" retractors ... 98
" tissue forceps ... 84
" vein strippers ... 100
" vessel clamp ... 278
Mayo-Allen's prostatic knife ... 298
Mayo-Boldt's appendix tucker ... 100, 277
Mayo-Collin's retractor ... 98
Mayo-Collin-Simpson's retractor ... 98
Mayo-Hegar's needle holders ... 126
Mayo-Kelly's tucker and packer ... 100, 277
Mayo-Robson's gall bladder scoops ... 277
Mayo-Robson's intestinal forceps ... 275
Mayo-Robson's needles, suture ... 135
Mayo-Simpson's retractor ... 98
Mayo-Richter's needle holder ... 128
McAuliff's adenoid forceps ... 230, 231
" nasal saw ... 211
McBurney's needle holder ... 127
McCallum's post mortem knife ... 2
McClintock's axis traction bar ... 333
McCoy's septum forceps ... 221
" " knives ... 219
McDade's placenta curettes ... 338
" uterine gauze packer ... 313
McEwen's bone chisels and gouges ... 101
McGowan's urethroscopes ... 287
McGuire's rib spreader ... 108
McGurn's salvarsan apparatus ... 33
McIntosh's pessaries and supporters ... 331
McKenzie's ink polygraph ... 10
" laryngeal forceps ... 265
" light condenser ... 238
" tonsilotomes ... 263
McKenzie-Quinlan's tonsilotomes ... 263
McKernon's mastoid curettes ... 194
" septum splints ... 215
McLain's pile clamp ... 283
McLean's obstetric forceps ... 335
McRae's blood needle ... 53
McReynold's needle holder ... 258
McWhinnie's dissector and spoon ... 251
Measures, tape ... 14
Measuring jars for salvarsan ... 33
" rod ... 14
Meatotomes, urethral ... 71, 297
Meatus knives ... 71, 297
Mechanical stage ... 39
Medicine cases ... 344
" glasses ... 364
Medulla reamers ... 105
Meierhof's tonsil curettes ... 251
Meig's craniotomy forceps ... 337
Menge's pessaries ... 331
Meniere's adenoid forceps ... 231
Mercer's sphygmomanometer ... 8
Mercier's catheters ... 301
Metacarpel saws ... 117
Metallic splints, Lee's ... 385
Metzenbaum's nasal speculum ... 214
" septum knives ... 219
" tonsil scissors ... 259
Meyer's ring pessaries ... 332
Meyerhof's tonsil curettes ... 251
Meyerhoeffer's chalazion curettes ... 174–175
Mial's septal ridge forceps ... 221
Michel's suture instruments ... 141, 258
" tonsil applicators and removers ... 258
" wound clips ... 141
" wound clip sets ... 141
Microscopes ... 39
Microscopic instruments and accessories ... 39–44
Mickulicz's haemostatic forceps ... 77
" tonsil haemostat ... 255
Mickulicz-Friedrich's rib spreader ... 108
Mickulicz-Stoerck's tonsil haemostat ... 252
Micro-membranous stethoscope ... 13
Miller's vaginal speculum ... 312
Millet-Tyding's tonsil dissector ... 251
Miliano's compression suspensory ... 392
Milne-Murray's axis traction forceps ... 335
Mirrors, head ... 239
" laryngeal ... 240
" retinoscopic ... 170
Mirror handles, universal ... 240
Mitchell's urethral applicator ... 289

Page

Mixter's haemostatic forceps ... 77
" scissors ... 93
Mohr's burettes and pipettes ... 48–49
" clamps, laboratory ... 45
Moleskin plaster, adhesive ... 164
Monona sterilizer set ... 358
Monosmith's excentration knife ... 172–173
" eye speculum ... 171
" nasal speculum ... 201
Monoyer's cataract knife ... 172–173
Moore's blood lancet ... 52–53
" gall stone scoop ... 277
Moraweck's tonsil forceps ... 254
Morgan's mallet ... 3, 102, 195
" mastoid curettes ... 195
" stirrups ... 360
Morton's ophthalmoscopes ... 170
" spinal corset ... 378
Morton-Kollmann's urethral dilators ... 295
Mosher's nasal speculum ... 214
" sinus curette ... 211
Mosquito forceps ... 75
Mouse jar ... 45
Mouth breathing appliance ... 386
" gags ... 61, 249–250
" hooks, anaesthesia ... 62
Moynihan's drainage tubes ... 158
" gall duct probe ... 277
" gastro-enterostomy clamp ... 275
" needles, intestinal ... 135
" stomach clamps ... 275
" towel forceps ... 86
Mozingo's empyema outfit ... 158
Muck's tonsil suction apparatus ... 259
Mucosa knives ... 219
Mueller's lachrymal sac retractor ... 171
" nasal scissors ... 212
Muir's laryngeal syringe ... 264
Mule's eye spheres ... 184
" suture forceps ... 179
Muncaster's nasal speculum ... 201
Munde's placenta curettes ... 338
" " forceps ... 339
Mundus dilator, obstetric ... 333
Murdoch's eye speculum ... 171
" mouth gag ... 250
Murphy's anastamosis buttons ... 273
" bone drill ... 105
" " skid ... 119
" button forceps ... 273
" headlight ... 241
" infusion drop tube ... 35
" medulla reamers ... 105
" nasal speculum ... 214
" needle holders ... 127
" needles, suture ... 135–136
" proctoclysis apparatus ... 34
" proctoscopes ... 281
" retractor guide, bone ... 105
Murphy-Pean's haemostatic forceps ... 77
Murphy-Saxon's infusion apparatus ... 34
Murphy-Magnusson's infusion apparatus ... 34
Murray's (Milne) obstetric forceps ... 335
" pile clamp ... 283
" rectal scissors, dissecting ... 284
" septum knife ... 219
" splints ... 383
Musehold's nasal forceps ... 204
Myles' antrum canulae ... 225
" " chisel ... 222
" " curettes ... 222
" " trocar ... 222
" drainage tubes ... 225
" lingual tonsilotome ... 263
" nasal forceps and punches ... 207–208
" " specula ... 201
" tonsil punches ... 257

N

Naegeli's obstetric perforator ... 337
Nails, bone ... 120
Nasal applicators ... 203
" chisels and gouges ... 210
" curettes ... 210–211
" cutting forceps ... 205–209
" dissectors and elevators ... 217–219
" douches ... 232

Page

Nasal drainage tubes....222
" dressing forceps....204
" feeding tubes....272
" hooks....210, 219
" inhalers....232
" instruments....201–242
" knives....210, 220
" needles....225
" probes....203
" punches....205–209
" rasps....224
" retractors....219
" saws....211
" scissors....208, 212
" snares....213
" specula....201–202, 214
" splints....215
" sundries....232
" syringes....27, 232
" tampons....164, 215
Nebulizers....233–234
Needle box, glass....362
" cases....128
" holders, cleft palate....246
" " electrolysis....349
" " eye....181
" " microscopic....139
" " general operating....126–128
" sterilizers....128
" pulling forceps....127
Needles, abdominal suture....129–135, 138–139
" aneurism....71, 99
" antitoxin injection....30–31
" arterial, suture....131, 137
" aspirator....30
" bone....246
" cataract....173
" cervical....131–133, 136–139
" cleft palate....134
" dissecting....4
" electrolysis....349
" eye, suture....173
" fistula....130–132
" gastro-enterostomy....135
" gynaecic....131–133
" haemorrhoidal injection....31
" haemostatic....136
" hernia injection....31
" " ligature....132, 136
" hypodermic....30–31
" infusion, saline....35
" intestinal....130, 133–135, 137
" iris....173
" kidney....133
" ligature....134, 138–139
" liver....134
" lumbar puncture, injection....25
" microscopic....43
" nasal....225
" paracentesis....172–173
" pedicle....137
" perineal....138–139
" pneumo-thorax....158
" post mortem....4, 137
" rectal injection....284
" salvarsan....30–31
" spinal anaesthesia....25
" staphylorraphy....136
" suture....129–139, 173
" tattooing....175
" tonsil injection....24
" trachelorraphy....133, 135
" transfusion....31
" uterine....132, 135
" varicocele....138
Nelaton's bullet probe....125
" soft rubber catheters....300
Nephrectomy forceps....278
Newman's tenaculum forceps....322
" trachelorraphy knife....327
Nichol's spoke shave....210
Niemayer's percussor....9
Nitze's cystoscope....304
Noble's scissors....91
Nott's double current catheters....302
" uterine dilator....318
" vaginal specula....312

Page

Novy's cover glass forceps....42–43
Noyes' canalicula knives....172–173
" ear forceps....190
" entropium forceps....177
" eye speculum....171
" fixation forceps....178
" nasal dressing forceps....207
" trachoma forceps....179
Noyes-Stilling's canalicula knife....172–173
Nozzles, irrigating....289–291, 361
Nurses' caps....166
" cases....155–157
" gowns....165

O

Oberlaender's dilators....295
Obstetric aids....341
" colpeurynthers....333
" dilators....333
" forceps....333–335
" hooks....337
" instruments....333–340
" sundries....340
" sutures....145
" perforators....337
Ochsner's gall bladder trocars....146, 277
" " duct probe....277
" haemostatic forceps....80, 325
" inhalers....64
Ocular transilluminator....170
O'Dwyer's intubation sets....271
Oesophageal instruments, (see Esophageal)
Office furniture....352–356
" sterilizers....357
O'Hara's intestinal clamps....275
Oiled silk, dressing....164
Ollier's raspatories....116
O'Neil's rectal speculum....282
Onidi paraffin syringe....25
Operating aprons....166
" cases....157
" caps....166
" cushions....360
" gowns....165–166
" knives....68–72
" scissors....90–93
" shoes....166
Ophthalmoscopes....170
Oral instruments....245–250
" screw....61, 250
Orthopedic apparatus....372–379
Osteological preparations....58
Ostrom's antrum punch....209
Otis' endoscopes....286
" bougies....292–293
" catheter guide....300
" dilating sounds....292
" meatus knife....297
" stone searcher....306
" urethrameter....295
" urethratomes....297
Otis-Wyeth's urethratomes....297
Otoscopes....187
Otto's tissue forceps....85
Outerbridge's uterine dilators....318, 330
Ovarian trocars....147

P

Packers, abdominal....277
" ear....189
" gauze, urethral....289
" " uterine....313
Pad, bottle holding....343
" umbilical....392
Pagenstecher's yarn....143
Paine's nasal feeding tubes....272
Palefski's duodenal tubes....272
Palmer's uterine dilators....318–319
" vaginal speculum....312
Pana's eye speculum....171
Pancoast's urethral nozzle....289
Pans, bed and douche....364
Paquelin's thermo cautery....148
Paracentesis needles....172–173
Paraffin, sterile....25
" syringes....25
Parametrium clamps....326

Page

Parham and Martin's bone clamps....113
Paring knife....245
Parker's catheters....302
" retractors....94
" saw....117
Parker-Syms' prostatic tractor....299
Pattee's urethral nozzle....289
Patton's nasal speculum....214
Paul's drainage tubes....158
Payr's intestinal forceps....275
" pylorus clamps....276
Pean's haemostatic forceps....79, 81
" hysterectomy forceps....325
" ligature needle....138
" ovarian trocar....147
Peck's lachrymal dilator....182
Pedicle forceps....326
" needles....137
Pelvimeters....340
Pelvis, bone....58
Pencils, caustic, eye....183
" dermatograph....244
Penis clamps....289
" conjestors....56
" syringes....27–29, 290
Percussors....9
Pereosteal elevators....115
Pereosteotomes....115, 198, 246
Perforated shot....140
Perforators, ear....191
" obstetric....337
Perineal needles....138–139
" retractors....97, 327
" scissors....328
" sutures....145
" trocars....146
Pessaries....331–332
Petri dishes....48–49
Pezzer's catheters....300
Pharyngeal applicators....203
Pharyngoscope, electric....242
Phillip's catheters....301
" cotton reservoirs....203
Phimosis forceps....285
Physicians' bags and medicine cases....342–344
" scales....14
" office suits....165
Pierce's antrum trocar....222
" gauze packer....189
" mastoid rongeur....197
" nasal dissector....217
" tongue depressor....248
" tonsil hook....252
" " knives....256
Piffard's cilia forceps....178
" comedone extractor....244
" dermal curette....244
" meatus knife....297
Pile clamps....283
" pipes....280
Pillar retractors, tonsil....251
" separators, tonsil....251
Pilling's cautery handles....347
" sphygmomanometers....8
" stethoscope....13
" stretcher....370
" vaginal retractors....327
Pinneo's chloroform dropper....60
Pipes, pile....280
Pipettes, blood....50
" eye....184
" laboratory....48–49
" urine analysis....54–55
Pitchers....363
Pitkin-Gelpi's perineal retractor....97
Placenta curettes....338
" forceps....339
Plaster, adhesive....164
" bandage knives....161
" " saws....162
" " shears....162
Plaster Paris bandages....164
Plates, bone....120
" lead, suture....246
" lid....171
" suture, glass....144
Pleximeters....10

Page

Pneumatic air goods....367
Pneumo-thorax apparatus....158
Pocket cases, instrument....150–155
" case knives....148
Politzer's acoumeter....185
" air bags....185
" ear forceps....190
" ear perforator....191
" mastoid curettes....195
" tips for air bags....185
Polk's hysterectomy forceps....326
" sponge holding forceps....88, 315
Policlinic cut-off....235
Polygraph, ink....10
Polypus forceps, ear....190
" " nasal....204–206
" " uterine....324
Pomeroy's ear forceps....190
" iodine inhaler....185
Pond's tonsil hook....252
Poole's abdominal irrigator....159
" " suction tubes....159
" urethral stop cock....289
Pope's antrum drill....222
Post mortem aprons....166
" " cases....6
" " gowns....165
" " instruments....2–6
" " knives....2
" " needles....4
" " reamers....4
Post nasal applicators....203
" " instruments....227–231
Post's toe nail forceps....111
Potain's aspirators....22
" aspirator needles....30
" " trocars....147
Pott's leg splint....384
Pouches, colostomy....285
Pozzi's tenaculum forceps....322
Pratt's dilating sounds....292
" rectal dilators....280
" " forceps....284
" " hook....284
" " specula....281–282
" " scissors....284
" splints....381
" urethral retrojector....291
" " speculum....286
Pratt-Smith's intestinal tissue forceps....83
Prepuce dilators....285
Prince's adenoid forceps....231
" advancement forceps....176
" eye needles, suture....173
" " pipette....184
" " scoop....174–175
" lachrymal canula....182
" pterygium hook....174–175
" tonsil scissors....259
" trachoma forceps....179
Probangs....266
Probes bronchoscopic....269
" bullet....125
" dissecting....4
" ear....185, 189
" eye....174, 175, 182
" gall duct....277
" general operating....99
" nasal....203
" rectal....284
" sphenoidal....223
" uterine....316
Proctoclysis apparatus....34–35
Proctoscopes....281
Projecting ear apparatus....386
Prolapsus pessaries....331
Prostatic instruments....297–299
" coolers....297
" depressor....298
" drainage tubes....298
" enucleator....298
" forceps....298
" masseur....299
" retractors....299
" staffs....298
" tractors....299
Protectors, frontal sinus....224

Page

Protectors, mirror ... 240
Prout's entropium forceps ... 177
Providence hospital haemostatic forceps ... 79
Pryor's hysterectomy forceps ... 326
" tumor forceps ... 324
" uterine dilator ... 319
" " tractor ... 321
" " knife ... 327
" vaginal retractor ... 327
Pryor-Pean's vaginal retractor ... 327
Psychrophor ... 302
Pterygium hooks ... 174–175
" scissors ... 181
Pulaski pessary introducer ... 331
" stethoscopes ... 13
Pumps, breast and cupping ... 57
" suction and pressure ... 235–238, 352
Punch for Carrell's infusion apparatus ... 36
Punches, antrum ... 209
" dermal ... 244
" ethmoid and sphenoid ... 209
" nasal ... 207–209, 220–221
" septum ... 220
" subglottis ... 266
" tonsil ... 257
Purcell's pereosteotome ... 217
Pylorus clamps ... 276
Pynchon's head bands ... 239
" headlight ... 241
" inhaler ... 185
" laryngeal applicators ... 264
" nasal forceps ... 205
" " speculum ... 202
" otoscope ... 187
" tonsil forceps ... 254
Pynchon-Andrew's tongue depressor ... 248
Pynchon-Goddard's tonsil syringe ... 24

Q

Quincke's spinal anaesthesia needle ... 25
Quinlan's adenoid forceps ... 231
Quire's foreign body ear instrument ... 189

R

Rachiotome ... 3
Racks, test tube ... 55
Randall's mastoid chisels and gouges ... 193
Raspatories, mastoid ... 198
" pereosteal ... 115–116, 198
Rasps, antrum ... 224
" frontal sinus ... 224
" sphenoid ... 224
" nasal ... 224
Ray's nasal specula ... 201
Razors, section ... 40
" skin grafting ... 40
Reade-Jennison's uterine douche ... 320
Reagent bottles ... 48–49
Reagents, microscopic ... 41
Reamer, antrum ... 222
" post mortem ... 4
Recamier's uterine curettes ... 216
Record lachrymal syringe ... 23
" laryngeal syringe ... 24
" syringes ... 20, 23–36
" tonsil syringe ... 24
Rectal bougies ... 280
" coolers ... 297
" dilators ... 280
" douches ... 280
" injection needle ... 284
" instruments ... 281–285, 297
" irrigators ... 280
" probe ... 284
" scissors ... 284
" specula ... 281–282
" tubes ... 280
Rector's frontal sinus curette ... 223
Redintol burn dressing ... 164
" cotton ... 164
Reels, ligature, glass ... 144
Reese's advancement forceps ... 176
Reeves' stretcher ... 370
Rehfuss' duodenal tubes ... 272
Reichert's regulator, laboratory ... 45
Reiner's bow saw ... 117
Reliquet's lithotrite ... 306

Page

Reservoirs, cotton ... 183, 203
Rests, back ... 367
" head ... 379
Restraint apparatus, humane ... 369
Retinoscopes ... 170
Retractors, abdominal ... 94–98
" bladder ... 308
" brain ... 123
" eye ... 170–175
" lachrymal sac ... 171
" mastoid ... 199
" nasal ... 219
" perineal ... 327
" prostatic ... 299
" supra-pubic ... 308
" tonsil ... 252
" tracheal ... 267
" uvula ... 250
" vaginal ... 327
" vein ... 123
Retrojectors ... 291
Reverdin's needles ... 139
Reynold's axis traction hooks ... 333
" placenta curettes ... 338
Rheinstetter's uterine curettes ... 317
Rhodes' tonsil punch ... 257
Rib shears ... 108
" spreaders ... 108
Richard's mastoid curettes ... 195
" tonsil forceps ... 254
Richardson's bowel replacer ... 277
" retractors ... 94
" sphygmograph ... 10
Richter's bone drill ... 106
" eye needle holders ... 181
" general needle holders ... 128
" uterine dilator ... 319
" wound clip forceps ... 140–142
" " " set ... 142
Ricord's phimosis forceps ... 285
Ring's cataract masks ... 184
Rings for holding forceps ... 81
Ring pessaries ... 332
Risley's lachrymal syringe ... 23
Robb's leg holders ... 167
Robbin's ointment applicator ... 289
Robert's tonsil punches ... 257
" trephine ... 122
Robertson's antrum trocar ... 222
" nasal saw ... 211
" pessary introducer ... 331
" tonsil forceps ... 254
" " knives ... 256
" " scissors ... 259
Robinson-Brauer's trocar ... 146, 158
Rochester needle holders ... 127
" " pulling forceps ... 127
Rochester-Carmalt's haemostatic forceps ... 80, 325
Rochester-Carmalt's hysterectomy forceps ... 325
Rochester-Ochsner's haemostatic forceps ... 80, 325
Rochester-Pean's haemostatic forceps ... 81, 325
Rochester-Pean's hysterectomy forceps ... 325
Rochester-Hegar's needle holders ... 126
Rod, glass ... 49
" measuring ... 14
Roe's retractor ... 250
" septum straightening forceps ... 220
Roger's nasal dissector ... 217
Rollers, bandage ... 160
Rolling chairs, invalid ... 368
Rolls, instrument ... 168
Rongeurs, bone ... 109
" mastoid ... 196–197
Roosevelt's stomach clamp ... 276
Rose's trachea retractor ... 267
Rothrock's uterine dressing forceps ... 315
Roubaix's suture forceps ... 141
" tissue forceps ... 85
Roux's regulators, laboratory ... 45
" retractors, abdominal ... 96
Royce's adenotomes ... 229
" ear knives ... 191
" tonsil seizing forceps ... 253
" " haemostat, dressing forceps ... 253
Rualt's adenoid forceps ... 230–231
" tonsil punches ... 257
Rubber aprons ... 166

Page

Rubber, bulbs, cautery 148
" drainage tubes 159
" gloves 164
" goods for invalids 365–366
" sheeting 367
" urinals 365
Rucker's urethral gauze packer 289
Russian tissue forceps 85
Rust preventif 160
Rust's trachoma forceps 179

S

Saalfield's acne lancet 244
" comedone extractor 244
Saccharometers 54–55
Saenger's placenta forceps 339
Safety valve float 238
Sajou's nasal snare 213
" septum punch 220
Saline infusion apparatus 34–35
Salpingeal curettes 189
Salvarsan cylinders 33
" apparatus 32–33
" needles 30–31
" measuring jars 33
Sampson's urethral speculum 286
Sander's inhaler mask 64
Sanford's nasal anaethesia tubes 62
Sargent's cranial haemostat 123
Sass' tongue depressor 248
Satterlee's bone cutting forceps 107
" saw 117
Sauerbruck's rib spreader 108
Saugmann's pneumo-thorax apparatus 158
Saws, amputating 117
" antrum 222
" chain 117
" electric 124
" metacarpal 117
" nasal 211
" plaster bandage 162
" post mortem 4
" skull 117
" wire 118
Sawtell's tonsil haemostatic forceps 255
Sawyer's obstetric forceps 335
" tongue depressor 248
Sayre's elevators, pereosteal 115
" jury mast 381
" raspatories 116
" suspension apparatus 381
Scales, physicians' 14, 340
" baby 14, 340
" haemoglobin 51
Scalpels, dissecting 2
" eye 172–173
" general operating 68–72
" lithotomy 71, 297
" pocket case 149
Scarificators, spring 57
Scarifyers, eye 173
" staphylorraphy 246
" uterine 327
Schamberg's comedone extractor 244
Schaeffer's nasal curette 211
Schaefer's wire saw carrier 118
Schede's bone curettes 103
Scheinemann's subglottis punch 266
Schimmelbusch's inhaler 64
Schmidt's tonsil splitter 252
Schmidt-Rimpler's canalicula knife 172–173
" " eye scoop 175
Schnetter's placenta forceps 339
Schnidt's tonsil haemostatic forceps 255
Schmithuisen's ethmoid-sphenoid punch 209
Schoenberg's intestinal tissue forceps 83
" uterine elevating forceps 321
Schreiber's salvarsan needles 31
Schroeder's tenaculum forceps 322
" uterine dressing forceps 315
" vulsellum forceps 323
Schroetter's head band 239
Schultz's retractor 94
" spoke shave 210
Schultze's embryotomy knife 338
Schwartz's mastoid chisels and gouges 193
Schweigger's capsular forceps 176

Page

Schweigger's cataract knife 173
" eye bath 183
" fixation forceps 178
Scissors, abdominal 92–93
" bandage 161–162
" dissecting 4
" eye 180–181
" gum 246
" microscopic 44
" nasal 208, 212
" operating 90–93
" post mortem 4
" perineal 328
" plaster bandage 162
" rectal 284
" strabismus 180–181
" suture removing 141, 330
" tenotomy 180–181
" tonsil 259
" trachelorraphy 328
" turbinate 208, 212
" umbilical 340
" uterine 328–329
" uvula 250
" wire cutting 246
Scleratomes 173
Scoops, bone 103–104
" ear 189, 194–195
" eye 174–175
" gall bladder 277
" lens 174–175
" lithotomy 307
" mastoid 194–195
" rectal 284
Screw drivers 119
Screws, bone 120
" oral 61, 250
Scrotal clamps 308
" compressors 392
Scudder's bone skid 119
" intestinal forceps 276
" stomach clamps 276
Sea tangle tents 319
Searchers, stone 306
" ureteral 308
Section lifters 44
" razor, microscopic 40
Sedillot's raspatory 116
Sedimentation glasses 54–55
Seekers, dissecting 4
Seeley's pile pipe 280
Segond's tumor forceps 324
Segregator, urine 308
Seiler's electro-cautery handle 347
" nasal scissors 212
Self retaining catheters 300
Senn's bullet forceps 125
" tourniquet 126
Separators, tonsil pillar 251
Septal ridge forceps 221
Septum cutting forceps 221
" compression forceps 204
" file 219
" knives 210, 219
" punches 220–221
" shave 210
" splints 215
" straightening forceps 220
Seseman's bunion apparatus 373
Sets, ear instruments 191
" general operating 157
" intubation 271
" urethral sounds 293
" wound clip 141–142
Seutin's plaster bandage shear 162
Sexton's ear curettes 189
" " knife 191
Shades, eye 184
Shaffer's knee splint 376
Shallcross' nasal haemostat 206
Sharp's arterial needles 137
Shears, bandage 161–162
" bone 108
" rib 108
Sheppard's stethoscope 11
Sherk's elevating forceps 278, 321
Sherman's bone plates 120

Page

Sherman's bone screws....120
" screw driver....119
Shert's tourniquet....126
Shields circumcision....285
" eye....184
" for all metal syringes....27
" with nipple, cleft palate....246
Shoemaker's rib shears....108
Shoes, extension....373
" operating surgeons'....166
Shot adjuster....330
" compressor....140, 330
" perforated....140
Shoulder braces....378–379
Sichel's iris knife....173
Sick room supplies....364
Siegel's otoscope....187
Silk, ligature....143–145
" oiled, dressing....164
Silkworm gut....144–145
Silver foil....160
" wire....119, 144
Simon's bone curettes....104
" uterine curettes....317
Simplex spirometer....14
Simpson's cranioclast....336
" intra-nasal tampons....164, 215
" obstetric forceps....335
" " perforator....337
" uterine sound....316
Simrock's otoscope....187
Sims' cervical needles....136–137
" counter pressure hook....330
" rectal specula....282
" uterine curettes....317
" " probes....316
" " scissors....329
" " sounds....316
" " tenacula....322
" vaginal retractor....327
" " specula....312
" wire adjuster....330
Skeel's chalazion curette....174–175
Skeletons....58
Skene's cervical needles....136
" cystocele pessaries....332
" tenaculum forceps....322
" urethral speculum....286
" uterine curettes....317
" " scissors....329
" uterine tissue forceps....320
" vulsellum forceps....323
Skene-Goodman's self retaining catheter....302
Skids, bone....119
Skillern's phimosis forceps....285
Skull saw....117
Skulls....58
Slide boxes, microscopic....40
" holding forceps, microscopic....42–43
Slides, microscopic....40
Slitter, tonsil....252
Sloane's tonsil snare....261
Sluder's adenotomes....229
" tonsil guillotines....262
" turbinate knife....210
Sluder-Arrowsmith's tonsil guillotine....262
Sluder-Ballenger's tonsil guillotine....262
Sluder-Richter's tonsil guillotine....263
Smellie's perforator....337
Smith's capsular forceps....176
" fracture apparatus....379
" marginal tenaculum forceps....83
" penis clamp....289
" pessaries....332
" pile clamp....283
" suture scissors....330
" (MacCuen) tonsil dissector....251
" " " snare....261
" urethroscope....286
Smith-Green's lid retractor....174–175
" " pressure hook....174–175
" " spatula, double....174–175
Smith's (Major) eye speculum....171
Snares, ear....192
" laryngeal....265
" nasal....213
" tonsil....260–261

Page

Snares, wire for....213, 261
Snellen's entropium forceps....177
Snoften's stethoscope....11
Snowden's tongue depressor....248
Solution, cups, cocaine....203
" jars....362
Soft rubber catheters....300
Somer's uterine elevating forceps....321
Sorensen's air compressors, tankless....237
" automatic cut-off....235
" suction apparatus....237
" "Just It" outfit....352
Sounds, frontal sinus....224
" urethral....292
" uterine....316
Southey's anasarca trocars....146
Spatulae, brain....122
" eye....174–175
Specula, ear....187–188
" esophageal....268–270
" eye....171
" laryngeal....268–270
" mouth....246
" nasal....201–202, 214
" oesophageal....268–270
" rectal....281–282
" urethral....286
" vaginal....312
Speir's ear curette....189
Spiess' punch, antrum....209
Spencer's chalazion forceps....177
" microscopes....39
Spencer-Wells' pedicle forceps....326
Spheres, vitreous....184
Spherical pessaries....332
Sphenoid canulae....223
" knife....223
" rasp....224
" probe....223
" punches....209
Sphygmographs....10
Sphygmomanometers....7–8
Spikes, bone....120
Spinal anaesthesia syringes....25
" columns, bone....58
" corsets....378
Spirometer....14
Spit cups....364
Splints, fracture....376, 381–385
" septum....215
Splinter forceps....85
Splitter, tonsil....252
Spoke shave....210
Sponge holding forceps....87–89, 255, 315
" " " tonsil....255
" " " uterine....315
" holders, rectal....284
" probangs....266
" tents....319
Spoon, abdominal....100
Spoons, dermal....244
" ear....189
" eye....174–175
" gall stone....277
Spouts, ear....192
Sprague's ice bag....199
" set, ear instruments....191
Spratt's dissector, nasal....217
" mastoid curettes....195
Spuds, eye....174–175
Squibb's urea apparatus....54–55
Stacke's chisels and gouges....193
Stacke's mastoid guard....198
" " elevator....198
" " knife....198
Staffs, lithotomy....307
" prostatic....298
" vein anastamosis....37
Stains, microscopic....41
Staphylorraphy instruments....246–247
" needles, suture....136
Starkey's chalazion forceps....177
Starlinger's uterine dilator....319
Staude's tenaculum forceps....322
Staude-Moore's tenaculum forceps....322
Stauffer's elevator....217
St. Clair Thomson's adenotome....229

Page

Steele's septum punch....220
Stein's septum knife....219
Stein-O-Lite therapeutic lamps....346
Steiner's aeroizer....238
" current controller....243, 350
" suction apparatus....238
Steinmann's bone extension apparatus....114
Stellwagon's dermal curette....244
Stem pessaries and introducers....330–331
Stender dishes....48–49
Sterilized sutures and ligatures....145
Sterilizer forceps....87
" for needles....128
" office....357, 362
Sterling's ear appliance....386
Sterling-Lopez's obstetric straps....341
Stetho-Clares....200
Stethoscopes....11–13
Stevens' eye needle holder....181
" fixation forceps....178
" stitch scissors, eye....180–181
" traction hook....174–175
" tendon forceps....179
" tenatomy scissors....180–181
Stevenson's adenotome....229
" eye needle holder....181
Stewart's cover glass forceps....42–43
Stille's bone drill....106
" gall stone forceps....278
" plaster bandage shears....162
" sponge forceps....231
" rib shears....108
" tissue forceps....85
" vessel clamp....278
Stille-Sherman's bone drill....106
Stills, laboratory....47
Stirrups....360
Stitch scissors....141, 330
Stomach clamps and forceps....274–276
" evacuators....272
" tubes....272
Stone searchers....306
Stopcocks....30, 47, 289
Strabismometer....171
Strabismus forceps....179
" hooks....174–175
" scissors....180–181
Straight jackets....369
Street's tonsil syringe....24
Stretchers....370
Strippers, vein....100
Stroschein's eye drop bottles....183
Struck's plexímeter....10
Struycken's laryngeal punch....266
" nasal cutting forceps....207–208
Stubb's adenoid curettes....229
" mouth gags....250
Stucky's eustachian burr....193
Studdiford's retractor....96
Styles, lachrymal....182
Subglottis punches....266
Submucous elevators and dissectors....216-219
Sub-Q syringes....17
Suction apparatus....226, 236–238, 259, 352
" " tonsil....259
" tubes, abdominal....159
Sullivan's antrum illuminator....243
" frontal sinus rasp....224
Sundry appliances....386
Sundries, ear....183
" mastoid....199
" nasal....232
" obstetric....340
" rubber goods....367
" sick room....364
" surgical....360
Supporters, abdominal....389
" ankle....374
" arch....373
" umbilical....388–389
" instep, arch....373
Supports, laboratory....45
Supra-pubic drainage appliances....309
" retractors....308
Surgeons' gowns....165
" needles....129–139

Page

Surgical dressings....163–164
" sundries....360
Suspension apparatus....381
Suspensory bandages....392
Suture clips and accessories....140–142, 258
" forceps, eye....179
" needles....129–139, 173
" plates, glass....144
" scissors....141, 180, 181, 330
Sutures....143–145
Swan's tonsil forceps....254
" " knives....256
Swedish knives....68, 71
Swift's hypodermic needle holder....30
Swinburne's prostatic masseur....299
" urethroscopes....287
Swivel knives....210
Syringe adapters and connections....30–31
" tips....27
Syringes, antitoxin....17–21
" antrum....226
" aspirating....22
" bismuth....28
" bladder....28
" ear....27, 29, 192
" fountain....366
" general injection....28–29
" hypodermic....17–21
" lachrymal....23
" laryngeal....24, 264
" miscellaneous....17–29
" nasal....27, 232
" paraffin....25
" record....20, 23–26
" spinal anaesthesia....25
" tonsil....24
" tuberculin....20–21
" ulcer....192
" urethral....26, 290
" uterine....27, 316
Szymanowsky's bone gouges....101

T

Tables, bedside....367
" operating, office....355
" dressing....354
Tablet depositor, urethral....289
Tag-Roesch's sphygmomanometer....7
Tait's gall stone forceps....278
" haemostatic forceps....79
Talley's uterine douches....320
" vaginal specula....312
Tallquist's haemoglobin scale....51
Tampons, nasal....164, 215
" wool....164
Tankless air compressors....236–238, 352
Tanks, air....235
Tape measures....14
" umbilical....164
Tarnier's axis traction forceps....335
" basiotribes....336
" cephalotribes....336
Tattooing needles, eye....175
Taylor's eye style....182
" percussor....9
" uterine elevating forceps....321
" vaginal speculum....312
Teale's gorget....307
Teevan's lithotomy forceps....307
Tenacula, dissecting....2
" operating....63, 71
" pocket case....149
" uterine....322
Tenaculum forceps, marginal....83
" " uterine....322
Tendon forceps....179
" hooks....174–175
" tuckers....171
Tennant's anastamosis forceps....273
Tenotomes, operating....68, 72
" pocket case....149
Tenotomy scissors, eye....180–181
Terson's capsular forceps....176
Test drum for eye knives....184
" tubes....49, 54–55
Teufel's sport suspensories....392
Theobold's eye probes....182

Page

Therapeutic lamps, electric 346
Thermo cauteries and accessories 148
Thermometer cases 16
Thermometers, chemical 48–49
" clinical 15–16
" incubator 48–49
" saline infusion 35
Thermostat 47
Thomas' bed rest 382
" canalicula knife 173
" craniotomy forceps 337
" drainage tubes 159
" (Lynn) stomach clamp 276
" hip splint 377
" obstetric perforator 337
" pessaries 331–332
" splints 377, 382
" supra-pubic retractor 308
" toe drop brace 382
" uterine curettes 317
" " dressing forceps 315
Thomas-Smith's pessaries 332
Thompson's frontal sinus rasp 224
" lithotomy forceps 307
" lithotrite 306
" meatus knife 297
" nasal scissors 212
" stone searchers 306
" urethral dilator 295
Thompson-Von Colditz's elevator 219
Thomson's (St. Clair) adenotome 229
Thoracic trocars 146
Thorington's retinoscopes 170
Thread, linen 143
Throat applicators 264
" forceps, (see Laryngeal forceps).
" mirrors 240
Thudicum's nasal speculum 201
Thumb dressing forceps 84
" lancets 73
Tiemann's bullet forceps 125
" embryotomy forceps 339
" stethoscope 11
Tilley's antrum burr 222
Tips, duodenal 272
" irrigator 291, 361
" for Politzer air bags 185
" " syringes 27
Tissue forceps 82–85, 245
" " marginal 83–84
" " operating 82–85
" " uterine 245, 320
Tissue, gutta percha 164
Tivnen's tonsil dissector 251
" " forceps 255
" " haemostat 252
Tobold's laryngeal knives 265
" " syringe 24
Todd's adenoid curettes 229
" eye gouge 175
" " irrigator 184
" tendon tucker 171
" tonsil dissector 251
" " forceps 254
Toe nail forceps 111
Tongue depressors 248
" holding forceps 67, 245
" ties 99
Tonsil bistouries 256
" curettes 251
" dissectors and enucleators 251
" forceps 253–255
" guillotines 262–263
" haemostats 252, 255
" hooks 252
" instruments 251–263
" knives 256
" needles, injection 25
" " suture 258
" punches 257
" retractors 252
" scissors 259
" snares 260–261
" splitter 252
" suction apparatus 259
Tonsil suture instruments 258
" syringes 24

Page

Tonsillectomes 260–263
Tooth extracting forceps 247
Tortat-Ricord's phimosis forceps 285
Tourniquets 126
Towel forceps 86
Towels, aseptic 164
Toynbee's diagnostic tubes 185
Toynbee's ear specula 188
" tympanum, artificial 200
Trachea tubes 267
" dilators 267
" instruments 267–270
Tracheascopes 268–270
Tracheatomes 267
Trachelorraphy knives 327
" needles 133–135
" scissors 328
Trachoma forceps 179
Traction apparatus, bone 113–114
" hooks, obstetric 333
Tractors, prostatic 299
" uterine 321
Transfixion pins 126
Transformers, cautery 348–349
Transfusion apparatus, blood 38
" canulae, blood 31, 36–38
Transilluminators 170, 242–243
Traube's percussors 9
Trautmann's raspatory 198
Trays, instrument 363
Trephines corneal 182
" cranial 122
Tripod for suspension apparatus 381
" laboratory 46
Trocars, anasarca 146
" antrum 222
" aspirating 147
" exploring 146
" gall bladder 146, 277
" hydrocele 146
" needles 25
" ovarian 147
" perineal 146
" pneumo-thorax 158
" supra-pubic 146
" vessical, rectal 147
Troeltsch's ear perforator 191
Trousseau's esophageal dilators 271
" trachea dilator 267
Trusses, hernia 390–392
Tuberculin syringes 20–21
Tubes, anaesthesia 62
" centrifuge 52–53
" conversation 200
" duodenal 272
" diagnostic, ear 185
" drainage 158–159, 225, 298, 309
" " supra-pubic 309
" fermentation 54–55
" infusion, saline 35
" intubation 271
" irrigating 159
" nasal feeding 272
" rectal 280
" suction 159
" stomach 272
" test 49, 54–55
" trachea 267
Tubing, glass 49
" rubber drainage 159
Tuckers, appendix 100, 277
" tendon 171
Tuffier's rib spreader 108
Tumor forceps 324
" screw 324
Tuning forks 186
Tungsten battery, lighting 243, 350
Turbinate knives 210, 220
Turbinotomes 212
Turnbuckles for bone holders 113
Turner's silk 143
Tuttle's proctoscope 281
" rectal forceps 284
Tycos sphygmomanometer 7
Tyding's tonsil forceps 255
Tyding's tonsil knives 256
" " snare 260

Page

Tympanum, artificial 200
" perforators 191
Tyrell's iris hooks 174–175

U

Ulcer syringes 27–29, 192
Umbilical buttons and pads 392
" clamps 340
" dressing 163
" scissors 340
" supporters 389, 391, 392
" tape 164
Undine eye dropper 183
Universal handle for nose and throat forceps . 191, 209, 257, 258, 266, 296
" handle for throat mirrors 240
Unna's comedone extractors 244
Updegraff's staphylorraphy hook 245
" " knife 245
" " needle 245
Urbantschitsch's celluloid bougies 185
Ureometers 54–55
Ureteral catheters 308–309
" searcher, female 308
Urethral applicators 289, 308
" bougies, exploring 292
" calibrator 308
" catheters 300–302, 308–309
" compression clamps 289
" curettes 308
" dilators 292–296
" drop tubes 289
" endoscopes 286
" forceps 307
" instruments 285–309
" irrigators 289–291
" " cut-offs for 290
" " nozzles " 289–291, 361
" meatotomes 297
" retrojectors 291
" sounds 292–293
" specula 286
" stopcocks 289
" syringes 26–29, 290
Urethrometer 295
Urethrotomes 297
Urethroscopes 286–288
Urinals 364–365
Urine segregator 308
" test sets 54–55
Urinometers 54–55
U. S. A. bandage scissors 161
" bow saw 117
" bullet probes 125
" chisels and gouges 101
" retractors 94
" stretcher 370
Uterine applicators 313
" curettes 316–317
" dilators 318–319
" douches 320
" dressing forceps 314–315
" elevators 316
" elevating forceps 321
" knives 327
" needles, suture 132–135
" packers 313
" polypus forceps 324
" probes 316
" repositors 316
" scissors 328–329
" sounds 316
" suture instruments 330
" syringes 27, 316
" tenacula 322
" tissue forceps 320
" tractors 321
" tumor screw 324
" vulsellum forceps 323
Uvula retractors 250
" scissors 250

V

Vaccinating comb 73
" lancets 73
Vaginal clamp 326
" fistula knife 327

Page

Vaginal fistula scissors 329
" irrigator tips 361
" retractors 327
" specula 312
Vail's antrum saw 222
" mastoid retractor 199
" tonsil injection needles 24
Valentine's apron 166
" cut-off 290
" irrigators 291
" " tips 291, 361
Valle-Heath's nasal dressing forceps 206
Van Buren's sequestrum forceps 111
" " sounds 292, 293
Van Der Poel's rectal cooler 297
" " " sterilizer forceps 87
Vaporizers 233–234
Varicocele needles 138
Vaughan's abscess knife 73
" pocket cases 150
Vaughan-Douglass' uterine dressing forceps 315
Vectis 337
Vein dilator 37
" director 37
" retractor 123
" staff, anastamosis 37
" strippers 100
Velpeaux's bone cutting forceps 107
Vesical trocars 147
Vessel clamps, kidney 278
Vezien's abdominal scissors 93
Vial cases 344
Virchow's brain knife 3
" cartilage knife 2
" mallet 3
" post mortem knives 2
Vogel's adenoid curette 229
Volkmann's bone curettes 104
" retractors 95
Von Brun's chisels and gouges 3, 101
Von Eiselberg's cleft palate needle holder .. 246
Voorhee's colpeurynthers 333
Vulsellum forceps 323

W

Wagner's adenoid forceps 231
" antrum punches 209
" nasal douche 232
" suture applicators, tonsil 258
Walcher's suture clip forceps 245
" uterine dressing forceps 315
Waldau's eye scoop 174–175
Wales' rectal bougies 280
Walker's splints 381
" supra-pubic retractors 308
Wall bracket, gas 238
Wallace's obstetric forceps 335
Walton's cataract needle 173
" eye gouge 174–175
Wappler's current controller 243, 350
" cautery transformer 349
Ward's placenta forceps 339
Wardlow's gall stone forceps 278
Warming plates, laboratory 46
Warner's nasal douche 232
Washburn's spinal apparatus 378
Waste reservoirs 203, 355
Watch glasses 48–49
Water bath, laboratory 46
" bottles 366
" sterilizers, office 357
" suction pump 159
Wathen's uterine dilator 319
Watson's nasal scissors 208, 212
" septum straightening forceps 220
" supra-pubic retractor 308
" tonsil forceps 255
" " snare 261
Watson-Cheyne's elevator 115
Wax, bone, sterile 145
Weber's canalicula knives 172–173
" eye speculum 171
" lachrymal dilator 182
Weber-Liel's eustachian catheters 185
Webster's axis traction forceps 335
" infusion apparatus and tubes 35

Page

Wecker's instruments, (see DeWecker's).
Week's eye speculum 171
Weiner's frontal sinus rasp 224
Weiss' sounds 293
Weisse's bullet forceps 125
Well's eye scoop 174–175
Wertheim's hysterectomy forceps and clamps 326
Wertheim-Cullen's pedicle forceps 326
Westcott's tendon scissors 181
Whalebone filiform bougies 185, 292
Wheeler's corneal curette 174–175
" " " and knife 175
" urethral nozzle 290
Wheelhouse's lithotomy staff 307
Whistles, ear 186
White's nasal chisel and gouge 210
" tonsil forceps 254
" uvula retractor 250
Whitehead's gum knife 245
" hoe knife 245
" mouth gags 250
" spiral needle 246
Whiting's mastoid chisels and gouges 193
" " curettes 195
" " rongeur 197
Whitmarsh-Douglass' pocket cases 154
Whittemore crutches 386
Wiener's prostatic cooler 297
Wight's plaster bandage shears 162
Wigmore's ear masseur 185
" urethral nozzle 290
Wilde's ear forceps 190
" " specula 188
Wilder's cystotome 173
" entropium forceps 177
" eye scoop 174–175
" lachrymal dilator 182
Williams' eye probes 182
" internal pelvimeter 340
" perforator, ear 191
Willis' axis traction forceps 335
Will's lachrymal syringe 23
Wilson's empyema drainage tubes 159
" cervical needles 139
" sponge forceps 315
Windle's tonsil scissors 259
Winkler's tonsil enucleator 251
Winter's placenta curette 338
Winternitz's psychrophor 302
Wire, aluminum bronze 144
" silver 119, 144
" snare 213, 261
" baskets, laboratory 46
" eye speculum 171
" saws 118
" saw carrier 118
" splints 384
" twisting forceps 245, 330
Wisconsin, office sterilizer set 358
Wishard's catheters 301
Wolfsohn's lumbar puncture needle 25
Wood's bone screws 120
" uterine scissors 329
" uvula scissors 250
Wood-Crile's needle holder 126
Wooden applicators 313
" splints 381
" tongue depressors 248
Woodruff's eye irrigator 184

Page

Woodward's eye needles 137
" uterine syringe 316
Wool, lamb's 164
" tampons 164
Worrall's head bands 239
Wound clips and accessories 140–142
Wrench for bone plates 119
Wright's dermal curettes 244
" hysterectomy forceps 326
" nasal snare 213
" tonsil snare 261
Wyeth's transfixion pin 126
Wylie's pedicle needles 137
" stem pessaries 330
" trocar, ovarian 147
" uterine curettes 317
" " dilators 319
" " tenaculum forceps 322

X

X-ray catheters, ureteral 309

Y

Yankauer's automatic cut-off 235
" chloroform masks 64
" cocaine cups 203
" ear bougies and sounds 185
" " curettes, salpingeal 189
" " probes 189
" laryngeal medicator 264
" naso-pharyngeal speculum 201
" submucous elevator 217
" " knife 218
" " needles 219
" suction and pressure apparatus 237
" tonsil dissectors 251
" " forceps 254
" " scissors 259
" wire loops for snares 213
Yarn, celluloid 143
Young's hip splint 377
" intestinal tissue forceps 83
" intra-urethral instruments 288
" lobe forceps 298
" median bar excisor 288
" ointment applicator 289
" prostatic dissector 298
" " drainage 298
" " retractors 299
" " staff 298
" prostatic tractor 299
" rectal dilators 280
" tongue forceps 67
" uterine elevating forceps 321
" urethral irrigator 289
" urethroscopes 288

Z

Zaufal's mastoid rongeurs 197
Zepser's penis clamp 289
Ziegler's boric acid wash bottles 183
" cautery burners, eye 347
" cilia forceps 178
" entropium forceps 177
" eyelid retractors 170
" eye speculum 171
" lachrymal syringe 23
Zinc oxide adhesive plaster 164
Zirn's iris needle 173
Zwank's pessaries 332