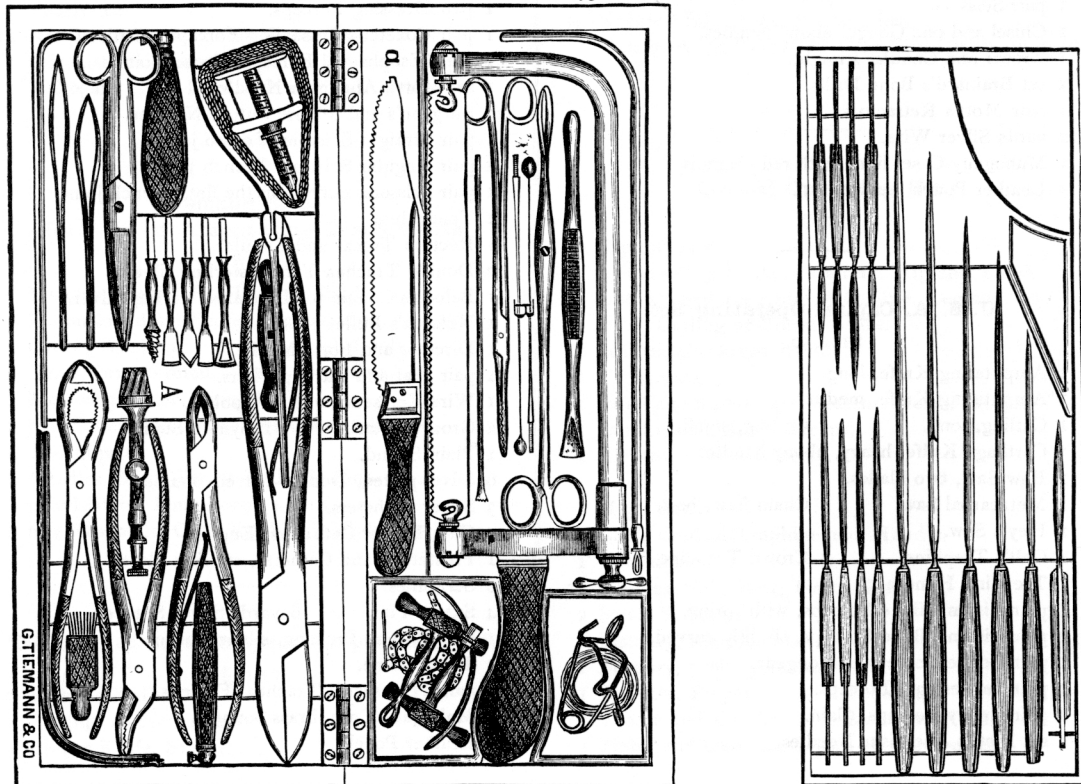


MILITARY SURGERY.

Otis' U. S. A. Compact Field Set.
\$160.

- 1 Strong Cartilage Knife.
- 1 Small Amputating Knife.
- 1 Catling, medium.
- 1 Amputating Knife, medium.
- 1 Catling, large.
- 1 Major Amputating Knife.
- 1 Bistoury, straight, sharp-pointed.
- 1 Bistoury, curved, sharp-pointed.
- 1 Bistoury, curved, probe-pointed.
- 1 Bistoury, long, straight, probe-pointed.
- 1 Tenaculum.
- 1 Scalpel, large.
- 1 Small and 1 very small Knife for Dissections.
- 1 Hey's Saw.
- 1 Torsion Forceps.
- 1 Needle Forceps.
- 1 Artery Needle Holder, with 4 points and 1 key.
- 1 Tourniquet.
- 1 Liston's Bone Forceps, large.
- 1 Rongeur.
- 1 Sequestrum Forceps.
- 1 Lion Forceps.
- 1 Conical Trepphine.
- 1 Trepphine Brush.
- 2 Retractors, German silver.
- 1 Osteotome, handle with 4 points.
- 1 Tirefond.
- 1 Oliver's Curved Osteotome and Chain-saw Conductor.
- 1 Scissors.
- 1 Dissecting Forceps.
- 1 Artery Forceps.
- 1 Silver Grooved Director.
- 1 Major Saw, with two extra narrower blades.
- 1 Movable Back Saw.
- 1 English No. 6 Gum-elastic Catheter.
- 1 Elevator.
- 1 Bullet Forceps (Gross').
- 1 Tiemann & Co.'s Bullet Forceps.
- 1 Long Articulated Probe, or *sonde de poitrine*, with 2 Nelaton or porcelain tips.
- 1 Burrheaded Ball-searcher.
- 1 Chain Saw, rotating handles and needle.
- 10 Large Serrefines.
- 2 coils of Annealed Iron Wire under the Movable Back-saw, Silk, Linen and Catgut Ligatures, Wax, Silver Suture Wire, Surgeons' Curved Needles, Acupressure Pins.
- 2 Silver Probes.
- 1 Mahogany Brass-bound Case, lined with oil-dyed velvet.

FIG. 1273.



MILITARY SURGERY.

U. S. A. Staff Surgeons' Capital Operating Set.

\$137.10.

- 1 Amputating Knife, long.
- 1 Amputating Knife, medium.
- 1 Catling, long.
- 1 Catling, small.
- 1 Cartilage Knife, heavy, ebony handle.
- 1 Straight Bistoury.
- 3 Scalpels.
- 1 Bow Saw, two blades.
- 1 Chain Saw, best.
- 1 Metacarpal Saw, lifting back.
- 1 Hey's Saw,
- 2 Trephines and Handle.
- 1 Razor.
- 1 Raspatory, ebony handle.
- 1 Elevator, strong.
- 1 Brush.
- 1 pair Liston's Bone Forceps, 9 inches long.
- 1 Rongeur, curved, with spring.
- 1 Rongeur, straight, with spring.
- 1 pair Sequestrum Forceps.
- 1 pair Lithotomy Forceps.
- 1 pair Liston's Artery Forceps, slide-catch.
- 1 set Mott's Artery Needles.
- 12 Surgeon's and 6 Wire Needles.
- 1 Tourniquet. 1 Tenaculum.
- 1 pair Scissors.
- 1 Chisel and one Gouge, ebony handles.
- 1 Trocar and Canula, straight.
- 1 set Brainard's Bone Drills.
- 1 pair Mott's Retractors.
- 12 yards Silver Wire.
- 1 Mahogany Case, lined with red chamois.
- 1 Leather Pouch, heavy.

U. S. A. Capital Operating Set.

\$102.50.

- 1 Amputating Knife, long.
- 1 Amputating Knife, medium.
- 1 Catling, long. 1 Catling, small.
- 1 Cartilage Knife, heavy, ebony handle.
- 1 Bow Saw, two blades.
- 1 Metacarpal Saw. 1 Chain Saw, best.
- 1 Hey's Saw.
- 1 Galt's Trephine. 1 Crown Trephine.
- 1 Trephine Handle.
- 1 pair Liston's Bone Forceps, with spring.
- 1 pair Liston's Bone Forceps, slightly curved.
- 1 pair Gouge Forceps or Rongeur.
- 1 pair Sequestrum Forceps.
- 1 pair Artery Forceps, plain.
- 1 set Mott's Aneurism Needles.

- 12 Surgeon's Needles.
- 1 Tourniquet.
- 1 Tenaculum.
- 1 pair Scissors, straight, heavy.
- 1 Chisel and 1 Gouge.
- 1 Lead Mallet.
- 1 set Brainard's Bone Drills.
- 1 pair Mott's Retractors.
- 1 Elevator and Raspatory.
- 1 Brush, 12 yards Iron Wire, Silk, Plastic Pins.
- 1 Mahogany Case, lined with oil-dyed velvet or chamois.
- 1 Leather Pouch.

U. S. A. Staff Surgeons' Minor Operating Set. Regulation Style of October, 1867.

\$136.

- 1 Amputating Knife.
- 1 Long Finger Knife.
- 1 Hernia Knife.
- 1 Straight Sharp-pointed Bistoury.
- 1 Curved Sharp-pointed Bistoury.
- 1 Curved Probe-pointed Bistoury.
- 2 Scalpels, large and small.
- 1 pair Slide-catch Artery Forceps.
- 1 pair Tiemann & Co.'s Bullet Forceps.
- 1 pair Dressing Forceps.
- 1 pair Coxeter's Dissecting Forceps, small.
- 1 pair Esophageal Forceps, French joint.
- 1 set Mott's Aneurism Needles.
- 12 Surgeon's and 6 Wire Suture Needles.
- 1 pair Straight Scissors, French joint.
- 1 pair Angular Scissors, French joint.
- 1 pair Scissors, curved on the flat, French joint.
- 1 Tenaculum.
- 1 Rectum Trocar and Canula.
- 2 Double Trachea Tubes, sterling silver.
- 1 Belocq's Canula for Epistaxis, sterling silver.
- 1 Nelaton's Bullet Probe.
- 1 Director and Porte Méche.
- 1 pair Flat and Cutting Pliers.
- 1 Wire Ecraseur, with two points.
- 2 Grooved Staffs. 1 Syme's Staff.
- 1 Plain Sound.
- 6 Silver-plated, Double-curved Bougies.
- 3 Silver Catheters.
- 3 Gum Elastic Catheters, English.
- 1 Prostate Gland Catheter, sterling silver.
- 6 Serrefines.
- 24 Suture Pins. 6 yards Silver Sutures.
- 1 Esophageal Probang, silver crochet.
- 1 Tonsilotome.
- 1 pair Trousseau's Tracheal Forceps.
- 1 Mahogany Case, brass-bound.
- 1 Leather Pouch.

AMPUTATING.

Knives, Catlings, Scalpels, Tenaculums—for Division of the Soft Parts.

ANÆSTHETIC APPARATUS, page 43.

Find on page

AMPUTATING SETS, page 63.



FIG. 1489.—Amputating Tenaculum.



FIG. 1490.—Amputating Scalpel.

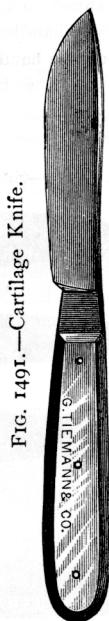


FIG. 1491.—Cartilage Knife.



FIG. 1495.—Small Catling.

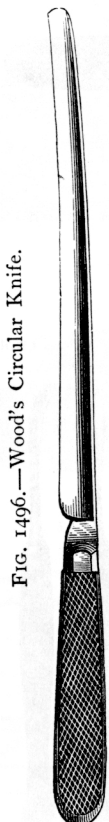


FIG. 1496.—Wood's Circular Knife.

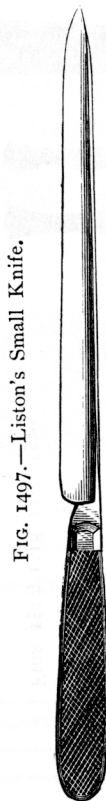


FIG. 1497.—Liston's Small Knife.

FIG. 1498.—Parker's Knife.

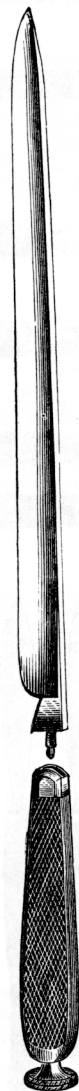


FIG. 1499.—Liston's Long Knife.

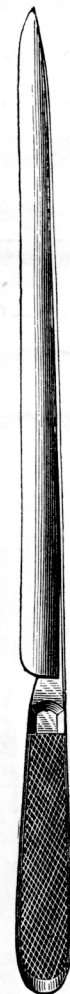


FIG. 1500.—Wight's Folding Knife.

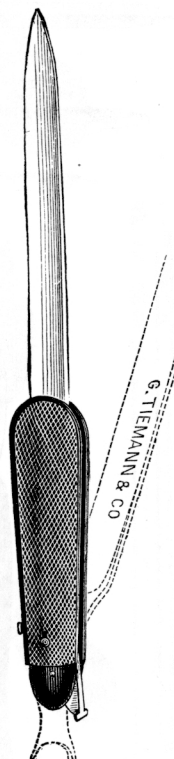
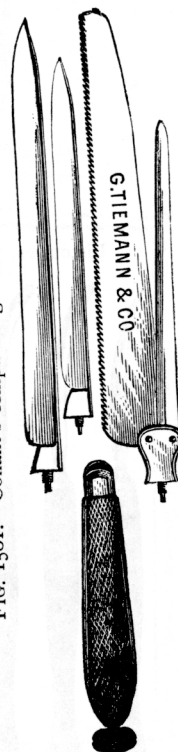


FIG. 1501.—Conant's Amputating Knives and Saw.



- 97, SAWS.
- 103, BONE FORCEPS.
- 91, ARTERY FORCEPS.
- 79, NEEDLES.
- 78, LIGATURE.
- 88, TOURNIQUETS.
- 74, ELASTIC BANDAGES.
- 102, PEREOSTEOTOMES.
- 49, ANTISEPTIC SPRAY.
- 96, ANTISEPTIC KNIVES.

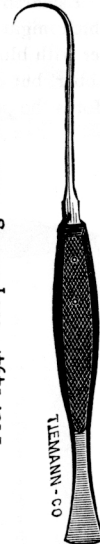
FIG. 1492.—Cartilage Knife.



FIG. 1493.—Amputating Scalpel.



FIG. 1494.—Amputating Tenaculum.



AMPUTATING.

ANTISEPTIC KNIVES.

For Division of the Soft Parts in Major and Minor Operations.

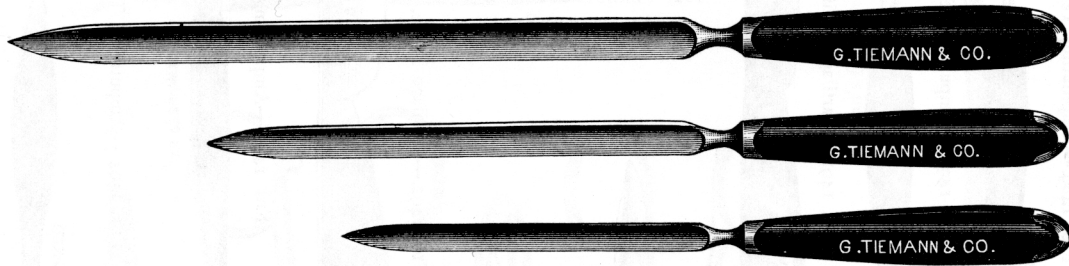
Esmarch has devised Antiseptic Knives made of one piece of steel, so as to afford no lodgment for septic germs, which might possibly adhere to ordinary knives. One objection to these is, that the handles become quite slippery if wet with blood; in order to obviate this, we have made antiseptic knives of which the handles are baked on, of hard rubber, but contain no crevices whatever. Any instrument constructed in this way is as if made of one piece, and affords the perfect customary hold.

Liston's Amputating Knives.

FIG. 1502.—Long.

FIG. 1503.—Medium.

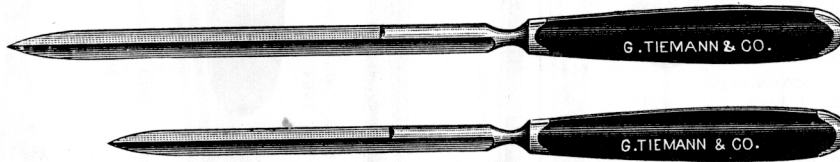
FIG. 1504.—Small.



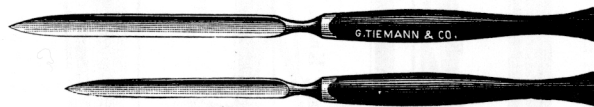
Catlings.

FIG. 1505.—Long.

FIG. 1506.—Medium.



Figs. 1507, 1508.—French Finger Knives.



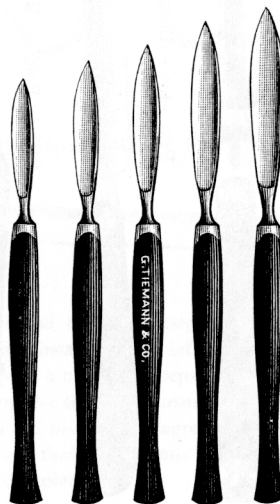
Bistouries.

FIGS. 1509, 1510, 1511.



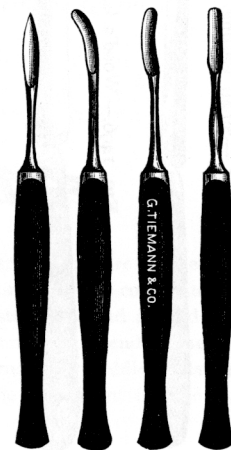
Scalpels.

FIGS. 1512, 1513, 1514, 1515, 1516.



Tenotomes.

FIGS. 1517, 1518, 1519, 1520.



AMPUTATING.

BONE SAWS.

Saws should be kept in a state of scrupulous cleanliness, as the teeth afford organic matter great opportunity of becoming adherent; this may convey contagion to the next person operated on. Rust and other matter may poison the wound. Clean the teeth, after and before use, with warm water and a stiff tooth-brush, then dry with chamois.

FIG. 1521.—Metacarpal Saw.



FIG. 1522.—Lifting-back Metacarpal Saw.



TIEMANN-CO.

FIG. 1525.—Lifting-back Saw.

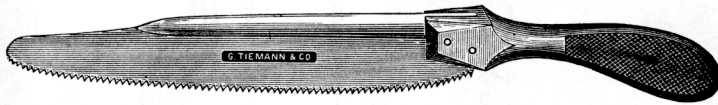


FIG. 1526.—Tiemann & Co.'s Capital Saw.

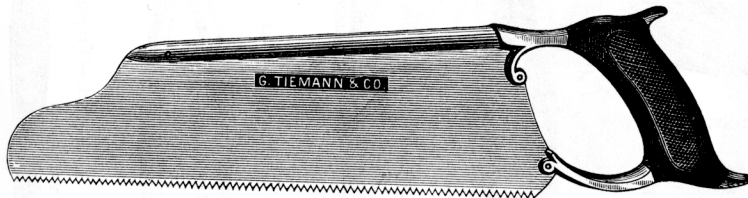


FIG. 1527.—Satterlee's Capital Saw.

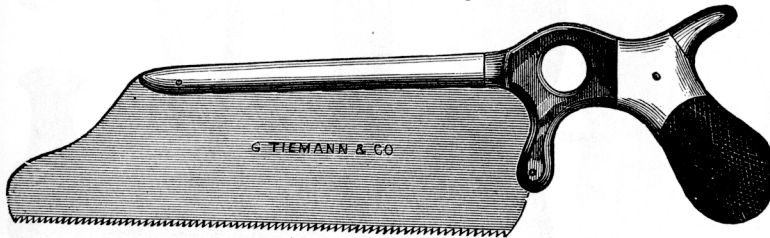


FIG. 1528.—Parker's Capital Saw.

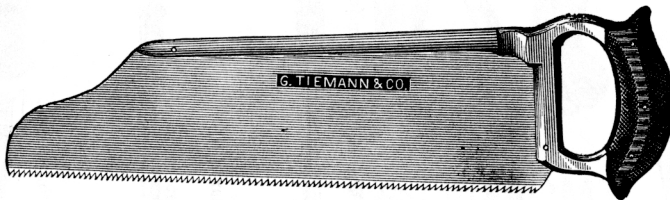


FIG. 1529.—Tiemann & Co.'s Bow Saw, with two blades.

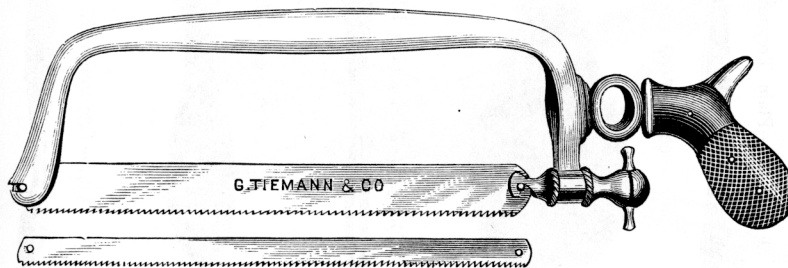


FIG. 1523.—Lente's Intercosscous Saw.

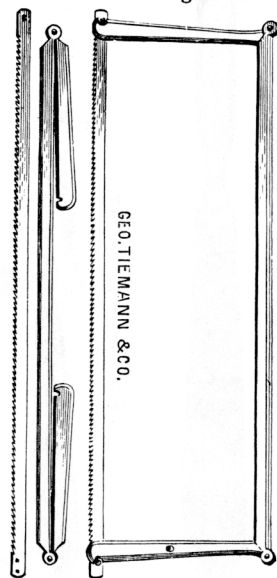


FIG. 1524.—Detmold's Metacarpal Saw.



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FIG. 1530.
Lewis' Folding Saw.



GEO. TIEMANN & CO.