$$
\begin{aligned}
& \text { cuax, Greene \& } \\
& \text { Veterinary Supplies.. } \\
& \text { Instruments } \\
& \text { CHICAGO }
\end{aligned}
$$

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 1894By Chas, Truax Greene \& Co.

## CATALOGUE

of

# Veterinary Instruments 

 J — CHIS. TRUAX, GREENE \& CO.CHIS. TRUAX
Pres. and Manager
F. C. GREENE, M. D.

Vice-Pres. and Treas.
E. E. PALMER

Secretary

Established 1877

Incorporated 1887


Reorganized 189 I

Cable Address...
Chatruax

MANUFACTURERS, JOBBERS AND IMPORTERS OF
SURGICAL INSTRUMENTS
PHARMACEUTICAL PREPARATIONS 20 (RAy.
...and...
mashegron.
$34947-z$
STRICTLY PURE DRUGS

75 AND 77 WABASH AVENUE
CHICAGO


## NTRODUCTORY...

In issuing our Catalogue and Price List, we feel a pardonable pride in its completeness in every department of the field it is intended to cover. We have labored to surpass any former list in practical utility, and to make it a vade mecum to which the reader can turn for the prices of every article wanted.

PRICES.-Our list will enable customers to ascertain the net prices of instruments and surgical appliances, and the approximate rates on such drugs and pharmaceutical preparations as they may use for dispensing.

We trust our patrons will see the necessity of our maintaining uniform prices in the government of all sales. A system that allows special rates to one customer will grant them to many, so that no one purchaser would have any assurance that other buyers were not being favored greater than himself.

TERMS.-All bills are payable at our office, in current funds, post office or express order, or bank draft on Chicago or New York (we cannot accept drafts or checks on other cities unless exchange is added). All remittances by express must be prepaid; cash forwarded by mail is always at sender's risk.

Parties not having a credit already established will understand the necessity of sending reliable references, or of enclosing remittances to cover amount of purchase; orders not accompanied by either satisfactory references or cash will be declined or sent C. O. D.

SHORTAGE.-We will not be responsible for losses occurring in the transportation of merchandise shipped by us, whether it is shortage, breakage or leakage, excepting in cases due to causes existing in our house. All goods are sold in Chicago and the transportation companies act as the agent of the purchaser, and all claims for reparation must be made directly to them.

PURCHASES TO ORDER.-As an accommodation to our patrons we will purchase at wholesale or retail any articles wanted, provided customers will agree not to hold us responsible or to returu the goods so purchased without our consent.

BOXING, ETC.--Reasonable charges will be made for boxing, and when goods are sent by freight, cartage will be charged at cost.

FACTORY.-We have in operation a surgical instrument factory, fully equipped with steam power, ample machinery and competent workmen, so that we are not only prepared to manufacture instruments for our regular trade, but to make special ones to order. We also make a specialty of repairing, grinding, polishing, plating, etc.

LEATHER CASE DEPARTMENT. In connection with our surgical instruments, we have in operation a leather department, fully equipped with ample machinery and competent workmen, so that we are not only prepared to furnish all kinds of dental cases, medicine cases, dental rolls, pocket cases. etc., but to make special ones to order.

CHAS. TRUAX, GREENE \& CO.


Fig. $10,000$.
Showing style of Dental Outfits Nos. 1 and 2.
Truax, Greene \& Co.'s Dental Outfit No. I, containing:


Price of same in a Russet Leather (ase, leather lined, with nickel trimmings,
see illustration above
$\$ 100.00$
Truax, Greene \& Co.'s Dental Outfit No. 2, containing:
1 Open Molar Cutter.......Fig. 10006
1 Screw Driver
1 Closed " " ....... " 10007
1 Siemon's Scoop
Fig. 10555
1 Molar Extractor, Open..." " 1000 s I Dental Hook .................. 1006.
1 " " Closed.
1 Pair Handles.............
" 10011
" 10009 1 scalpel Forep............. " 1000
1 Scheffer's Incisor Cutter.
" 10037
1 Straight Incisor Nipper..
1 Set Combined Floats.....
" 10040
" 10090
1 13-in. Molar Forcep ...... . 10018
1 Trephine

- 10085

1 9-in. Splinter Forcep..... " 10063
1 Tooth Separating Saw...
1 Drill.......................
" 10068
$110-\mathrm{in}$. Front File .........
19 -in. Wolf Tooth Forcep.
" 10098
1 Separating Wolf 'I'ooth Forcep
. 10036
1 Brush
1 Elevator and Raspatory.. " 10072
" 10087 1 Screw Driver............ ". 100389
Price of same in a Russet Leather Case, leather lined, with nickel trimmings, see illustration above

## DENTAL CASES.

Truax, Greene \& Co.'s Dental Outfit No. 3, containing:
1 Open Molar Cutter ..... Fig. 10006
1 Closed ..... 10007
1 Molar Extracting Forcep ..... $10(108$
1 Pair Handles ..... 10009
1 13-inch Molar Forcep ..... 10018
1 Scheffer's Incisor Cutter ..... 10037
1 Straight lncisor Nipper ..... 10040
19 -inch Splinter Forcep ..... 10063
1 Dental Hook ..... 10052
1 Siemon's Scool' ..... 10555
1 Brush
1 Wolf Tooth Forcep ..... " 10034
1 Trephine ..... " 10085
1 Dental Drill ..... 10087
1 Artery Forcep ..... J03S4
1 Angular Scissors ..... 10359
1 Wolf Tooth Separating Forcep ..... 10036
1 Scalpel ..... 10301
1 Tenaculum ..... 10306
1 Elevator and Raspatory ..... " 10072
1 Set of Combined Floats ..... 10090
1 Screw Driver
Price of same in Russet Leather Case, leather lined, with nickel trimmings, similar to Fig. 10000 ..... $\$ 70.00$
Truax, Greene \& Co.'s Dental Outfit No. 4, containing:
1 Open Molar Cutter ..... Fig. 10006
1 Closed 6 " ..... 10007
1 Molar Extractor ..... 10008
1 Pair Handles ..... 10009
1 13-inch Molar Extractor ..... 10018
1 Scheffer's Incisor Cutter ..... 10037
1 Straight Incisor Nipper ..... "، 10040
1 Set of Combined Floats ..... 10090
1 10-inch File ..... 10098
1 Wolf 'Iooth Forcep ..... " 10034
1 Brush1 Screw Driver
Price of same is Russet Leather Roll, chamois lined ..... $\$ 50.00$


Fig. 10001.
Fig. 10001. Dental Roll, black grain leather. flannel lined, with straps and handle ..... $\$ 6.00$
Dental Roll, sole leather, chamois lined, with straps and handle. ..... 8.00

## DENTAL CASES.



FIG. 10,002.
Truax, Greene \& Co.'s Dental Outfit No. 5.

## Truax, Greene \& Co.'s Dental Outfit No. 5, containing:

1 Open Molar CutterFig. 10006
] Closed ..... 10007
1 Molar Extractor ..... " 10008
1 Pair Handles ..... - 10009
1 13-inch Molar Forcep ..... 10018
1 Wolf Tooth Forcep ..... " 10034
1 Scheffer's Incisor Cutter ..... 10037
1 Straight ..... " 10040
1 Jointed Float with Single Head ..... " 10090
1 10-in. File ..... 10098
1 Screw Driver
1 Brush
Price of same in a Russet Leather Case (Fig. 10,002), leather lined, with nickeltrimmings$\$ 50.00$
Dental Instruments Fitted to Cases to suit the Purchaser.

## DENTAL INSTRUMENTS.



Fig. 10004. Scheffer's Improved Cutting and Tooth Extracting Forcep....... $\$ 30.00$


#### Abstract

Price of same in a two-fold Russet Leather Case, leather lined, with nickel trimmings.


## DIRECTIONS FOR OPERATING SCHEFFER'S TRIPLE HANDLE EXTRACTING FORCEP AND CUTTER.

1. Adjust the forcep by turning the screw to right or left as the case may be to the size of tooth to be operated upon; take hold of the center handle, leaving the two outer handles free, so that the forcep will remaiu open.
2. Place the forcep over the tooth to be extracted. Now grip one of the outer levers, right or left, as the case may be, owing to which side of the mouth is being operated upon; hold the lever or handle firmly and turn the adjusting screw to the left until the levers are spread apart to their greatest width.
3. Now grip the outer lever and gradually close it toward the center, and should this not give sufficient power, which in all cases it will not take hold of both outer levers; this will give all the power necessary to extract any tooth. Now rotate the bandle to loosen the tooth in its socket, after which it can be readily lifted out.

## TO CUT OFF ANY SIZED MOLAR FROM THE SMALLEST POINT TO THE LARGEST SIZED TOOTH.

1. Adjust the forcep as above; after getting a firm hold of the tooth to be cut off, grip one of the outer levers, tighten or press it against the center handle; now with the other hand take hold of the other outer lever and gradually press toward the center handle, at the same time gradually releasing the other, and repeat this movement several times. This movement gives to the cutting blades not only an inward movement but a see-saw motion which will effectually cut through the enamel or hard substance of the tooth, after which by griping both outer levers and bringing them forcible together will complete the cutting or effectually cut off any molar tooth in all cases. The adjusting screw must be carefully attended to and kept closed up and when cutting off a molar tooth, especially at each and every see-saw motion, the adjusting screw should be tightened up.

To be proficient in the use of this instrument the operator should practice the handling of it occasionally so as to fully understand the working of same. If the above directions are followed you will succeed in the most difficult cases.

## DENTAL INSTRUMENTS.



Fig. 10006. Open Molar Cutter. ............................. $\$ 7.00$; with handles, $\$ 10.00$


Fig. 10007. Closed Molar Cutter. ............................ $\$ 7.00$; with handles, $\$ 10.00$


Fig. 10008. Molar Extractor. ................................ $\$ 7.00$; with handles. $\$ 10.00$


Fig. 10009. Handles for above set. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . per pair, $\$ 3.00$
Truax, Greene \& Co.'s Dental Set, consisting of-
1 Open Molar Cutter. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Fig. 10006
1 Closed " " .................................................... .. 10007
1 Molar Extractor . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . " 10008
1 Pair Handles for above set . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . " 10009
Price $\$ 2.2 .50$


Fig. 10011. Closed Splinter Extractor
. $\$ 7.00$; with handles, $\$ 10.00$

## DENTAL INSTRUMENTS.



Fig. 10014. Closed Molar Cutter
$\$ 8.00$; with handles. $\$ 11.00$


Fig. 10015. Molar Extractor
$\$ 8.00$; with handles, $\$ 11.00$


Side View of above Cutters.


Fig. 10016. Handles for above set

## NOTICE.

Please do not cut or mutilate this book.
In ordering, always state numter of Figure and page of Catalogue.

## DENTAL INSTRUMENTS.



Fig. 10018, Molar Extracting Forcep, 24 inch............................................. $\$ 9.50$




Fig 10019. Growing’s Molar Forcep..................................................... $\$ 13.00$


Fig. 10020. Molar Extracting Forcep, with Fulcrum ana Handles, 28 inch ..... $\$ 12.00$


Fig. 10022. Molar Extracting Forcep, with Fulcrum, 13 inch.................... $\$ 6.00$


Fig. 10024. House's Combined Tooth Forceps.......................................... $\$ 18.00$

## DENTAL INSTRUMENTS.



Fig. 10025. German Molar Extractor. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 15.00$


Fig. 10026. Turnkey for Extracting Large Molars, nickel
plated.................................................... $\$ 6.00$


Fig. 10028. House's Tooth Cutting Forcep, nickel plated, 24 inch.............. $\$ 10.00$



Fig. 10029. Bayonet Wolf Tooth Forcep, nickel plated, 9 inch..... ........... $\$ 2.50$


Fig. 10031. Straight Wolf Tooth Forcep, nickel plated, 9 inch................... $\$ 2.50$

## DENTAL INSTRUMENTS.



Fig. 10032. Curved Wolf Tooth Forcep, niekel plated, 9 inch..................... $\$ 2.50$
13 inch.




Fig. 10036. Wolf Tooth Separating Forcep, 9 inch................................ $\$ 2.00$


Fig. 10037. Scheffer`s Incisor Cutter. ..................................................... . $\$ 7.50$

## DENTAL INSTRUMENTS.



Fig. 10039. Fash's Incisor Cutter.
$\$ 9.00$


Fig. 10040. Straight Incisor Nipper, 9 inch............................................ . \$t. 00

Fig. 10042. Wralters', Dental Chisel.


Fig. 10044. French Dental Chisel, 9 inch
$\$ 2.00$


Fig. 10046. Gowing's Tooth Chisel

## DENTAL INSTRUMENT.



PATENT JOINT FOR FORCEPS AND SCISSORS.
There is perhaps no class of instruments more difficult to thoroughly cleanse than the ordinary forms of Forceps. Nearly all forms of Bone and Tooth Forceps have heretofore been constructed with closed joints, that not only afforded a safe deposit for disease germs, but furnished a good medium for conveying them from one patient to auother. Our Patent joint is not only thoroughly aseptible, but it is as strong as the ordinary pattern. It may be unjointed in a second or two and as quickly put together. It combines all the necessary requisites in a perfect-working desirable instrument, and customers need have no hesitancy in ordering instruments constructed with our patent joint.


Fig. 10500. Liston's Straight Bone Forcep, Aseptible.. . $\$ 2.00$; without spring, $\$ 1.8 \check{5}$


Fig. 10501. Liston's Curved Bone Forcep, Aseptible....... . . . . . . . . . . . . . . . . . . . $\$ 2.25$


Fig. 10503. Bone Forcep, angular bent, Aseptible . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 2.25$


Fig. 10505. Satterlee's Bone Forcep, Aseptible

## DENTAL INSTRUMENTS.



Fig. 10054. Plain Chisel, 6 inch . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 0.75$
" " 8 "................................................
" ، 10 " $\ldots . . . . .$. ............................................ 1.00



Fig. 10056. Lead Mallet. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 1.75$


Fig. 10060. Plain Tooth Cutting Forcep, 9 inch .................................. $\$ 2.50$


Fig. 10062. Dental Hook. ................................. . . ......................... . \$1.2ס


Fig. 10063. Splinter Forcep, 9 inch. ...................... . . . . . . . . . . . . . . . . . . . $\$ 2.00$
" $\quad 12$ "

## DENTAL INSTRUMENTS.



Fig. 10065. Chain Saw, with Rotating Handles


Fig. 10066. 'Tooth Saw, Two Blades............................... ................ \$4.25


Fig. 10068. Plain Metacarpal Saw, Aseptible $\$ 1.25$


Fig. 10070. Tooth Separating Saw, Ebony Handle $\$ 1.00$

## TRUAXGCD

cercerete
Fig. 10072. Elevator and Raspatory


Fig. 10074. Gum Lancet. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 1.25$

## DENTAL INSTRUMENTS.



Fig. 10076. Collins' brills and Bone Trephines, all metal, complete, in case.... $\$ 22.50$


Fig. 10077. Hamilton's Bone Drills with guard, Aseptible........................ $\$ 4.00$
(Drills to be kept in the hollow handle.)


Fig. 10078. Langenbeck's Drills, all metal. ......................................... . $\$ 4.56$


[^0]
## DENTAL INSTRUMENTS.

TRUAK-GREENE-CO
Fig. 10081. Holbrook's Douche Curette.


Fig. 10083. Hebra's Bone Scoop


Fig. 10088. Darby's set Gouges aud Chisels, Aseptible


Fig. 10085. Trephines, Conical, $\$ 3.00$
Cylindrical, 3.00
Fig. 10087. Plain Dental Drill, $\$ 1.50$

## DENTAL INSTRUMENTS.



Fig. 10090. House's set of Combined Floats. nickel plated......................... $\$ 3.50$
" Jointed Float, " " ......................... 2.25
" Stiff Float, " " ........................... 1.550


Fig. 10094. Jointed Tooth Rasp . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 1.75$
c.Truax \& Co.

Fig. 10095. Plain Stiff Tooth Rasp


Fig. 10096. McPherson's File. ........................................................... $\$ 0.75$


Fig. 10098. Incisor File, 10 inch . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 0.50$


Fig. 10099. Float Biades for House's Float

## MOUTH SPECULUM.



## FASH'S MOUTH SPECULUM.

Fig. 10100. Fash's Mouth Speculum
In placing this iustrument tofore the Veterinary Profession, we believe we are presenting a Speculum-the most perfect ever produced for strength and safety. It consists of two hinged semi-circular bars on each side, to the end of which are attached two semi-lunar cupped plates for operating on the back molars, and by detaching these, two Inter-dental plates are put in their place for operating on the Incisor teeth. These plates can be instantly changed without screw-driver by our patent self-fastening lock. The Speculum is introduced the same as a bit, and when in operation is kept open by means of two Ratchet Bars connected with the side of the semi-circular bars and are capable of sustaining great pressure, thus making it impossible for it to close while operating. In operating upon and making examinations of Molar teeth, the semi-lunar plates, which are marle to fit any mouth, should be used, as the pressure will be brought to bear upon the front teeth instead of the soft tissues of gums, thus avoiding pain or laceration of the parts. The Animal receiving no iujury from the application of the instrument is easily controlled, in ordinary cases making no resistance whatever. For operating on the incisors, the cupped plates should be removed and the inter-dental plates substituted. The Speculum is perfectly aseptible and can be taken apart and put in a very small spare.

## MOUTH SPECULUMS.



Fig. 10105.
Varnell's Mouth Speculum, \$6.75


Fig. 10101. Siemons Mouth Speculum, $\$ 12.00$


Fig. 10102.
Teufel's Mouth Speculum, $\$ 7.50$


Fig. 10104.
Green: Mouth Specnlum, $\$ 5.00$


Fig. 10106. Gunther's Mouth Speculum.

MOUTH AND STOMACH INSTRUMENTS.


Fig. 10109. Balling Iron, nickel plated, \$1.50
" japanned, . 75


Fig. 10112. Codey's Drenching Bit, $\$ 2.50$


Fig. 10107. Berlin Mouth Speculum. Separable, parts can easily be taken in pieces and carried in the pocket.


Fig. 1011G. Plain Metal Drenching Hora ... $\$ 1.00$


Fig. 10118. Drenching Horn, apanned \$0.75 " nickel plated, 1.75

pocket. . . . . . . . . . . . . . . . $\$ 4.50$

## MOUTH AND STOMACH INSTRUMENTS.



Fig. 10122. Arnold's Balling Gun.


Fig. 10124. Plain Balling Gun.


Fig. 10125. Best Spring Balling Gun


$\begin{array}{llll}\text { " } & \text { " } & \text { " } & 7 \\ & & & \\ & & & \end{array}$


Fig. 10127. Jointed Cane Probangs ................................................... $\$ 2.50$


Fig. 10128. Truax, Greene \& Co. Injection Pump

## MOUTH AND STOMACH INSTRUMENTS.

## THE ALLEN SURGICAL PUMP.



Fig. 1. Showing the Pump attached to a table or board.

FIG. 10129.

By means of suitable attachments it forms an Aspirator. Injector, Stomach Pump, Bladder Syringe, Cupping Pump, Universal Syringe, and Force and Vacuum Pump, all combined in one instrument.

With our improved attachments we claim for this pump :
First. 'The most powerful, rapid, safest and only aseptible aspirator in use.
Second. The only injector that can be used without admitting air with the fluid injected.

Third. The most effective stomach pump in the market.
Fourth. A safe bladder syringe that may be used with an ordinary catheter.
Fifth. A reliable cupping pump of great power.
Sixth. A universal syringe without valves, giving a steady, uniform current.
Seveuth. A vacuum pump capable of raising mercury in a vacuum to a height of twenty-eight inches.

Eighth. A force pump that will force up (and sustain) a column of mercury to a height of twelve feet (equal to a column of water over one hundred and sixty feet in height).

## MOUTH AND STOMACH INSTRUMENTS.

## THE ALLEN SURGICAL PUMP-CONTINUED.

Ninth. The cleauest and most effective embalming syringe made.
Tenth. A douche having a continuous current that can be made slow or fast, as desired.

It is at the same time both a force and a vacuum pump, depending only on the direction in which the crank is turned, possesses an instantly reversible current, is without valves or stop-cocks, and so arranged that the same tule need not be used for a second operations, as the tube may be easily changed in a few seconds with no further expense than the cost of a new one.

While the Allen Surgical Pump may be easily manipulated by being held in the hand, or attached by means of the clamp to a table, it can be worked to the best advantage by being fastened to a board or chair. When attached to a chair, the chair may be moved about as occasion may require.

This device consists of a metal cylinder, upon the inner surface of which is coiled a single loop of rubber tubing, formed in the piece of suitable length. A shaft having a crank passes through the cylinder to which is attached a roller provided


Fig. 2. Showing the Action of the Roller.
with springs so arranged that any degree of pressure desired can be made by it on the tubing. By properly adjusting the springs each revolution of the crank will displace as much air or liquid as is contained in that portion of the rubber tubing forming the loop. As the roller in passing around the circle must rest on the tubing, completely closing it at some point, there is no necessity for any valves. If one end of the tubing be attached to a vacuum bottle and the crank turned so as to force the air in the tubing in the opposite direction, a powerful vacuum will soon be formed; or if the same end be attached to an air receiver and the crank turnell toward it, a high pressure of condensed air will be obtained. This apparatus is adapted for pumping both gases and liquids, and is either a force or vacuum pump, depending only on the direction in which the crank is turned. It has no valves or stop cocks, and the current may be iustantly reversed. It has sufficient power to force a column of water to a height of one hundred and sixty feet, maintaining it at that beight. and the next to the smallest size will easily pump one quart of liquid per minute.

There are no delicate or complicated parts to get out of order. The rubber tubing will not wear out, and should it deteriorate after a few fears' use, it may be replaced at the cost of a few cents. Our best outfits are supplied with duplicate tubes, so that the surgeon may be provided with one for septic and another for aseptic use.

## MOUTH AND STOMACH INSTRUMENTS.

 the ALLEN SURGICAL PUMP-CONTINUED.

Fig. 3. Stomach Tube.

## STOMACH PUMP.

It forms a stomach pump by simply connecting the stomach tube with the instrument. As such its advantages are:

First. Its great power enables the operator to draw semi-solids and particles of undigested food through the openings.

Second. Its reversible current enables him, if these openings become clogged, to reverse the crank and free them.

Third. It may be used for washing out the stomach, and diluting its contents by simply placing the free end of the instrument in a bucket of water and reversing its current, thus filling up and evacuating the stomach as often as desired.

## ASPIRATOR.

To convert the Allen pump into an aspirator, it is only necessary to connect with rubber tubing the trocar, and attach it to the pump, when the instrument is ready for work.


Fig. 4. Emmet's Small Trocar.
The aspirators heretofore in the market either necessitate the use of a vacuum bottle, or require the turning of a stop-cock every time the cylinder is filled. The latter work slowly, have valves that are easily clogged, and are usually unsatisfactory. The former require the emptying of the bottle every time it is filled and the creating of a new vacuum, and as they will not work at all without a vacuum, they require an air pump that will always be in perfect working order.


Fig. 5. Plain Aspirating Needles.
As the Allen Surgical Pump possesses no piston (requiring frequent packing) valves or stop-cocks, and, as it is used without a vacuum bottle, both the time usually employed in producing the vacuum and in emptying the bottle is saved.

## MOUTH AND STOMACH INSTRUMENTS.

## THE ALLEN SURGICAL PUMP-CONTINUED.



Fig. 6.
Veterinary Injection Pipe. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 1.00$
، Stomach Tube. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 5.00

" Catheter, best. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 2.00


Fig. 7.
Veterinary Stomach Tube, extra length ..... $\$ 6.00$


Outflt No. 52.
Outfit No. 52. Veterinary-consisting of 16 -inch Pump (Allen pattern) with extra heavy tubing; 1 extra Tube for same; 2 Clamps; 3 Connectors; 2 Aspirating Needles; 1 Aspirating Attachment; 1 Emmet's Large Trocar; 1 Catheter; 1 Injection Pipe and 1 Horse Stomach Tube. In a neat, serviceable hand bag


Fig. 10147. Sass Spray Apparatus, complete.
There is no class of diseases more general than those of the nose and throat, and the range of possibilities within easy reach of the physician of largely increasing his practice by making more of a specialty of these ailments, is almost without a limit.

A suitable apparatus for the treatment of these diseases conststs principally of a light condenser with a few other diagnostic instruments and some style of an air compressor, for tbrowing sprays and powders over the diseased parts.

This apparatus consists of a steel riveted gold bronzed receiver, 12x18. or a copper receiver, 7x28, full nickel plated, surmounted by double never-leakhg wheel valves and gauge registering one hundred pounds. The receivers have been tested to three hundred pounds. T pump of modern construction, nickel plated. set of three hard rubber platimum-tipped spray tnbes in rack. Automatic cut-off counected to receiver by silk-covered tubing. it with the utmost confidence of its proving an indispensable aid to the busy practitioner.
 compact and portable, and it is recommended to those who desire a first-class atomizer. The boilers are all tested under a high pressureand are eachprovided with a safety valve that can be adjusted by means of a screw to any degree of pressure.

Fig. 10148. Truax. Greene
\& Co.'s No. 1 Steam
Atomizer... Price, $\$ 3.50$

NASAL, INSTRUMENTS.


Fig. 10137. Arnold’s Nasal Punch. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . \$4. 50


Fig. 10132. Bivalve Nasal Speculum, Aseptible Hige. . . $\$ 3.50$ Plain .. ... 2.00


Trivalve Nasal Speculum, $\$ 6.50$

## NASAL INSTRUMENTS.



Fig. 10138. Jointed Bull Ring, $\$ 1.00$


Fig. 10140. Head Mirrors and Handles, with plain headband, 3 in., \$2.75; 312 in., \$3.00; 4 in., \$3.50


Fig. 10143. Nose Twist. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 3.00$


Fig. 10145. Nose Clamp $\$ 1.50$


Fig. 10146. Nasal Douche

## TRACHEAL AND ROARING INSTRL'MENTS.



Fig. 10158. Self-Retaining Tracheotomy Tube.
Plated................................ . ...................... . ${ }^{\text {. }} 3.00$
Aluminum.......................................................... 5.00
Silver
18.00


Fig. 10159. Self-Retaining Trachea Tube, with
$\qquad$

22.00


Fig. 10160. Universal Trachea Tube, with 4 sizes clamps

## TRACHEAL AND ROARING INSTRUMENTS. <br> 

Fig. 10167. Tracheal Retractors $\qquad$


Fig. 10168. Angular Knife


Fig. 10171. Tamponing Trachea Tubes


Fig. 10172. Rhodes' Aretenectomy Kuife


Fig. 10179. Tracheal Scissors, double curved.

# Fig. 10174. Fish's Aretenectomy Kniife $\$ 2.50$ 



## EYE INSTRUMENTS.



Fig. 10200. Plain Eye Speculum.. $\$ 1.00$


Fig. 10181. Glass Eyes for Horses, $\$ 1.00$


Fig. 10182. Rubber Eyes fo_ Horses.

Fig. 10183. Alum and Copper Pencils 25 c.

Fig. 10184. Dix's Spud 90 c.


Fig. 101S5. Medium Scalpel ....... \$1.10


Fig. 10187. Beers' Cataract Kinife, \$1.10

Fig. 10189. Couching Needle..... $\$ 1.00$ JRECO

Fig. 10190. Daviel's Curette...... . $\$ 1.00$


Fig. 10195. Jaeger's Straight Keratome.


Fig. 10196. Jaeger's Angular Keratome. . . . . . . . . . . . . . . . . . . . . . $\$ 1.10$


Fig. 10197. Graefe's Narrow Cataract Knife. . . . . . . . . . . . . . . . . . $\$ 1.00$


Fig. 10198. Bowman's Canalicula Knife.


Fig. 10199. Desmarre's Retractor, $\$ 1.10$

## EYE INSTRUMENTS.



Fig. 10212. Angular Strabismus Scissor, $\$ 1.10$


Fig. 10214. Straight Iris Scissor, $\$ 1.00$


Fig. 10216. Straight Strabismus Forcep................................................ . $\$ 1.00$


Fig. 10217. Curved Strabismus Forcep.


Fig. 10219. Graefe's Fixation Forcep.


Fig. 10221. Cilia Forcep................................................................... $\$ 0.60$


Fig. 10222. Desmarre's Entropium Forcep

## EYE INSTRUMENTS.



Fig. 10230. Loring's 15゙-Lens Ophthalmoscope, with Quadrant and Tilting Mirror, 19 Lenses, 4-inch Quadrant, giving 70 combinations. . $\$ 7.50$


Fig. 10232. Loring's 15-Lens Ophthalmoscope. . . . . . . . . . . . . . $\$ 6.25$


Fig. 10233.


Fig. 10234. Liebrich's Ophthalmoscope. $\$ 2.50$

Loring's 7-Lens Ophthal. moscope ............. $\$ 3.50$

## POCKET INSTRUMENT CASES.



Truax, Greene \& Co.'s Aseptible Pocket Case No. 30, containing:

1 Scalpel.
1 Sharp Curved Bistoury.
1 Straight
1 Probe Curved
1 Tenaculum.
1 Miles' Castrating Kinife.
1 Neurotomy Needle.
1 Knicking Knife.
1 Director.

1 Jointed Probe.
1 Tait's Artery Forcep.
1 Two-Joint Seton Needle.
1 Tissue Forcep.
1 Fitch Trocar.
1 (G-inch Curved Scissors.
1 dozen Needles.
1 Skein Silk.
1 Bottle Antiseptic Tablets.

1 Caustic Holder, Aluminum.
All contained in a Solid Metal Iseptible Case, $7 \frac{1}{2}$ inches long, 3 inches wide and $1_{4}^{\frac{1}{4}}$ inch thick.

Truax, Greene \& Co.'s Aseptible Pocket Case No. 40, containing:

1 Scalpel.
1 Sharp Curved Bistoury.
1 Probe " "،
1 Tenaculum.
1 Miles' Castrating Kinife.
1 G-inch Curved Scissors.
1 dozen Needles.

1 Tait's Artery Forcep.
1 Fitch Horse Trocar.
1 Two-Joint Seton Needle.
1 Director.
1 Tointed Probe.
1 Skein Silk.
1 Bottle Antiseptic Tablets.

All contained in a Metal Aseptible Case, $7 \frac{1}{2}$ inches long, 3 inches wide and $1 \frac{1}{4}$ inch thick

## POCKET INSTRUMENT CASES.

Jruax. Greene \& Co.'s Aseptible Pocket Case No. 50, containing:
1 Scalpel.
1 Sharp Curved Bistoury.
1 Probe Curved Bis. toury.
1 Knicking Ǩnife.
1 Fitch's Horse Trocar.
1 dozen Needles.
1 Tait's Artery Forcep.
1 6-inch Curved Scissors.
1 Tissue Forcep.
1 Seton Needle, Jointed.
1 Director.
I Jointed Probe.
1 Skein of Silk.
1 Bottle of Antiseptic Tablets.


All contained in a Solid Metal Aseptible Case, $7 \frac{1}{2}$ in. long, 3 in. wide and $1 \frac{1}{4}$ in. thick..... $\$ 18.00$


Fig. 10250. Truax, Greene \& Co.'s Pocket Instrument Case, containing:

1 Scalpel.
1 Curved Sharp Point Bistoury.
1 Tenaculum.
Needles and Silk in neat two-fold 1 Double Edge Koof Kife.

1 Pr. Scissors, curved on flat.
1 Heary Dressing Forcep. 1 Director.
1 Jointed Probe.
Jointed Probe.

## POCKET INSTRUMENT CASES.



Fig. 10260. Truax, Greene \& Co.'s Pocket Case No. 14, containing:
1 Scalpel.
1 Straight Bistoury.
1 Curved Sharp Bistoury.
1 Tenaculum.
All in a Leather-Lined Case.

1 Probe, Jointed.
1 Scissors, Aseptible Lock.
1 Pean's Artery Forcep.
1 Plain Artery Forcep.

1 Director and $\Delta$ neurism Needle.
12 Needles.

Fig. 10262. Truax, Greene \& Co.'s Pocket Case No. I, containing:

1 Sharp Point Curved Bistoury:

1 Tenaculum.
1 Scalpel.
1 scissors.
1 Artery Forcep.
1 Probe Point Curved Bistoury.

1 Jointed Probe.
1 Seton Needle.
Needles and Silk.


POCKET INSTRUMENT CASES made to order, new cases furnished and old instruments repolished and plated.

## POCKET INSTRUMENT CASES.



Fig. 10265.

Truax, Greene \& Co.'s Pocket Instrument Case No. 3, containing:

1 Scalpel.
1 Hoof Knife.
1 Sharp Point Curve Bistoury.
1 Probe " "
1 Knicking Knife.
1 Thumb Lance.
1 Polypus and Dressing Forcep.
1 Plain Artery Forcep.

1 Scissors.
1 Fleam.
1 Director.
1 Tenaculum.
1 Jointed Probe.
1 Seton Needle unscrewing into two parts.
Needles and Silk.

In a three-fold Morocco Case. ............................................................... . . . $\$ 18.00$

POCKET INSTRUMENT CASES made to order, new cases furnished and old instruments repolished and plated.

## POCKET CASE INSTRUMENTS.



Fig. 10270. Truax, Greene \& Co.'s Asentible Pocket Case Knife, Curved Sharp Point and Curved Probe Point Bistoury, $\$ 2.00$. Handle and single blade


Fig. 10271. Truax, Greene \& Co.'s Aseptible Pocket Case Knife, Scalpel and Tenotome, $\$ 2.00$. Handle and single blade.
$\$ 1.25$


Fig. 10272. Truax. Greene \& Co.'s Aseptible Pocket Case Knife, Straight Bistoury and Tenaculum, \$2.00. Haudle and single blade.


Fig. 10273. Truax, Greene \& Co.'s Aseptible Pocket Case Knife, Scalpel and Curved Sharp Point Bistoury, $\$ 2.00$. Mandle and single blade.. $\$ 1.25$
Interchangeable blades. All combinations furnished at the same price. This is the most perfect and satisfactory double pocket case knife yet devised. It is perfectly aseptible, strongly made, and having no springs or small parts, it is not liable to get out of'order. The blades when opened can be fixed so they are as firm as a solid handle.

## POCKET CASE INSTRUMENTS.



Fig. 10335. Straight Bistoury, no Catch.................... \$0.75


Fig. 10327. Probe and Sharf Curved Bistoury, plain......... $\$ 1.50$

## POCKET CASE INSTRUMENTS.




Fig. 10356. Abscess Lance....75c.
Fig. 10355. Thumb Lance . . 75 c .


Fig. 10360. Four Blade Knife. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 3.50$


Fig. 10364. Farmer Miles' Cas-
trating Knife .......... $\$ 1.50$

Fig. 10362. Large Scalpel and Castrating Knife


Fig. 10345. Withers' Single Abscess Knife, spring back. . . . . . \$1 .50

Fig. 10370. Miles' CastratingKnife and Scalpel, small... $\$ 2.25$

## POCKET CASE INSTRUMENTS.



Fig. 10374.
Leech's Embryotomy linife, $\$ 1.50$


Fig. 10376. Palmer's Embryotomy Kinife.......... $\$ 2.00$

Fig. 10379. Dressing and Polypus Forcep, Aseptible......................... $\$ 0.50$

FIg. 10380. Spencer Wells' Artery Forcep, Aseptible..... \$1.25

Fig. 103s1. Tait's Artery Forcep, Aseptible, $\$ 1.25$

Fig. 10386. Surgeon's Scissors, regular pattern, one point sharp.............. $\$ 0.70$ to $\$ 1.25$

Fig. 10384. Blunt Point Scissors $\$ 0.70$ to $\$ 1.25$


Fig. 10372. Lucas' Embryotomy Knife.
$\$ 3.00$


Fig. 10383. Tait's Curved Artery Forcep
Aseptible......................... $\$ 1.25$


Fig. 10373. Concealed Blade Embryotomy Knife.

## POCKET CASE INSTRUMENTS.



Fig. 10391. Langenbeck's Serresfins
$\$ 0.50$; dozen, $\$ 5.00$


Fig. 10392. Bull Dog Artery Forcep................................................... . $\$ 1.50$


Fig. 10393. Plain Aseptible Artery Forcep, Mouse Tooth........................... $\$ 0.75$


Fig. 10395. German Artery Forcep...................................................... . $\$ 1.75$


Fig. 10396. Fricke's Side Catch Artery Forcep, Aseptible......................... $\$ 1.50$


Fig. 10398. Plain Aseptible Artery Forcep............................... . $\$ 0.50$ to $\$ 1.00$


Fig. 10389. Angular Scissors................................................... $\$ 0.80$ to $\$ 1.10$


Fig. 10390. Curved on the Flat Scissors.

## POCKET CASE INSTRUMENTS.



Fig. 10400. Seton Needle, Jointed, Sharp .............................................. $\$ 1.50$


Fig. 10402. Seton Needle, 2 Joint Probe ............................................ $\$ 2.00$


Fig. 10408. Plain Seton Needles, 6 -inch ............................................ $\$ 0.50$

Fig. 10406. English Guarded Seton Needle ..... $\$ 4.50$

## POCKET CASE INSTRUMENTS.



Fig. 10420. Truax's Set Probes, large size

Fig. 10422. Jointed Probes. Plated, pair, 90 c. to $\$ 1.25$; Silver, $\$ 1.25$ to $\$ 1.50$


Fig. 10423. Silver Probes pair, 50c.


Fig. 10424. Grooved Director, 6 inch................................................. 40c. 4 .

TRUAX 4
Fig. 10425. Exploring Trocar.................................... ........................ . 90c.

## TRUAX $O$ Co



Fig. 10430. Truax Aluminum Caustic Holder. . . . . . . . . . . . . . . . . . . . . . . . . . . 75 c . to $\$ 1.00$


[^1]
## SURGICAL REQUIREMENTS-SUTURING.



Fig. 10440. Abbe's Needle Holding Forcep, for Hagedorn's Needles


Fig. 10442. Ethridge's Automatic Needle Holder, Aseptible
$\$ 3.00$


Fig. 10443. Truax's Perfected Needle Holder


Fig. 10444. Truax's Modification of the Russian Needle Holder


Fig. 10446. Hagedorn's Needle Holder, all joints separable, will hold a needle in any position.

SURGICAL REQUIREMENTS-SUTURING.


Fig. 10458. Hagedorn's Needles.........................small, doz., 75c.; large, doz., \$1.25


Fig. 10451. Half Curved Surgeon's Needles, doz., $\$ 1.00$


Fig. 10452. Double Curved Surgeon's Needles....................... . doz., \$1.25


Fig. 10453. Surgeon's Needles, selfthreading, spring eye...doz., $\$ 1.50$


## SURGICAL REQUIREMENTS-SUTURING.



Fig. 10460. Metal Covered Bottles, 1 oz....................... $\$ 0.50$ Metal Covered Bottles, .65 MetalCovered Bottles, 4 oz.............



Fig. 10467.
Silk Braided or Twisted in bulk.


Fig. 10468.
Berlin Neodle Bottles, 3 sizes, straight or curved....each, $\$ 0.35$


Surgeons'Silk, Nos. 1 to 14. Iron-DyedSurgeon Silk,Nos. 1 to 14 Percard,twisted,10e.; braided,20c. Percard,twisted,10c.; braided, 25 c.




Fig. 10466.
Silver Wire, 1 yard on spool, 6 spools in box, $\$ 1.20$

Fig. 10469. Ligature Bottle, with two up. right reels.... $\$ 0.75$


Aseptic Silk, pig. bottle, Braided, $\$ 0.60$ Twisted. Catgut.

SURGICAL REQUIREMENTS-SUTURING.


Fig. 10473. Braided Silk, assorted sizes, on tablets, in slip cases.


Fig. 10472. Surgeon's Sponges, per dozen, small,50c.; medium, \$1.00; large, \$1.50; extraliuge, $\$ 2.00$; choice, $\$ 3.00$; small, on strings of 50 each, $\$ 1.00$.

Fig. 10474. India Rubber Drainage Tube.
per yard, 25c. to 35c.


Fig. 10478. Sylvester's Ligature Bottle, hard rubber........\$1.75


Fig. 10486. All-Glass Ligature Box, 4 large size spools, Hagedorn's model.

Box, 4 large size $\$ 6.00$

Fig. 10490. Iodoform Box with revolving tol, Berlin pattern


Fig. 10482. Hard liubber Iodoform Box

$$
50 \text { c. to } \$ 1.00
$$



Fig. 10488. All-Glass Ligature Box, 4 medium size spools ...... 84.50


## Kangaroo Tendon Sutures.

## 25 Sutures in each bottle. - = Price, $\$ 2.50$ per bottle.

We have made an arrangement whereby we can furnish Kangaroo Tendon Sutures prepared under the personal supervision of Dr. Henry O. Marcy, of Boston,

The profession is indebted to Dr. Marcy for the demonstration of the advantages to be derived from the closure of all aseptic wounds, without drainage by the use of buried animal sutures. He published his observations five years previous to Werth, of Germany, to whom in Europe, is credited the valuable innovation.

Dr. Marcy proved from many histological investigations that the suture, thus. buried, is not alone slowly absorbed, but it is in large measure replaced by vitalized connective tissue. Somewhat recently these observations have been abundantly confirmed in the elaborate work of Ballanee and Edwards-who give decided preference to the tendon suture, especially that from the tail of the kangaroo. Dissatisfied with catgut, as difficult to sterilize, and at the best inherently faulty in construction, Dr. Marcy made a painstaking investigation of the tendons from a great variety of animals for a substitute. In 1880 he determined that those from the tail of the kangaroo possessed advantages over all others, and urged their introduction to the surgical profession of Europe and America. They have withstood the crucial test of more than ten years' continued use. The chief objection to their general adoption has been the difficulty of obtaining them in sufficient quantity and the high cost. Notwithstanding their superiority overany other suturing material has already created a/wide demand, it affords us great pleasure to be able to furnish our patrons carefully prepared kangaroo tendons at the greatly reduced price of ten dollars a hundred. Mailing orders will be filled for bottles containing twenty-five each, guaranteed aseptic.
"I take pleasure in exhibiting, at the request of some of the Fellows, samples of kangaroo tendons, in the condition in which they are sent to me from Australia. It will be noted that this animal has the tendon of the tail disposed in a bundle of parallel fibres, running its entire length. These vary in size, dependent upon the size and, species of the animal. As will be observed, they are easily separated into even, smooth, round strands of uniform size. Those from the species called the

## SURGICAL REQUIREMENTS-SUTURING.

wallabee are preferable, since the size of the tendons is that more commonly desired for the suturing of wounds. They vary somewhat in length, averaging about 20 inches. I have carefully studied the tendons of every animal which I thought could furnish the material suitable for sutures."
"I sent to Australia more than ten years ago for a supply of tendons from the tail of the kangaroo, inferring from the relationship of the species with the squirrel and oppossum, that the tail of this animal should furnish similar tendons, and of course, much longer and larger. It has been only after many and repeated efforts that I have been enabled, within two or three years, to secure a supply much in excess of my own immediate requirements. In earlier years I have paid any price demanded, even in Australia, 60 cents per strand, by the hundred. However, an arrangement has been recently effected, by which an ample supply may be obtained for furnishing the entire profession with reliable tendons."
"Catgut has many defects, chief of which is, that for days together, the intestines of the animal, from which it is made, must remain in a state of active putrefaction, in order to separate the connective tissue sheath from the other coats of the bowel, This is then subdivided as required in size, and twisted into a thread, the ordinary catgut, or violin strings of commerce.

The sterilization of this material, so as to render it safe for sutures or ligatures, and yet not injure its integrity, is by no means easy. As has been shown by many observers, the largest sizes especially of catgut prepared for surgical use, contain bacteria, capable, under favorable circumstances, of reproduction. This is doubtless the most valid reason why catgut, as suture material, has fallen into disuse.

When its histological elements are investigated, it will be seen that its ultimate fibres cross each other diagonally to the long axis of the bowel. This is an admirable disposition to allow of the ever-varying size of the intestine, but it is little suitable for the purposes of great strength and inelasticity. The illustration is not overdrawn in the comparison of the attempt to make a strong cord by cutting the finest woven fabric upon the diagonal and twisting it. So great is the strength of the connective tissue of animals that catgut, when kept dry, is capable of resisting great strain, as in the high tension of musical instrument strings. But, when macerated, a softening process which must take place in the tissues of the body, the catgut unfolds and becomes a soft, elastic material. This explains why, in the interrupted suture, the knot is so untrustworthy. The tendons proper of animals have their fibres uniformly disposed in parallel lines, and as a consequence, when moist, are many times stronger than the same size of catgut."

A properly prepared aseptic animal suture, buried aseptically in healthy tissues, slowly disappears, and, as histological studies abundantly prove, they are replaced, in large measure, by connective tissue cells, making a band of living, constricting, or supporting structure, which surrounds the included part.

This is of the highest importance in the ligating of large vessels, and of almost equal value in the supporting of many of the structures coapted in wounds, as, for example, in hernia, the repair of the perineum, etc.

I am certain that one of the greatest advantages of modern surgery is found in the immediate coaptation of all well vitalized aseptic wounds, hermetically sealed without drainage. For this purpose the tendon suture is the ideal material, and i hazard very little in predicting that, at an early date, the clumsy, bungling method of closing wounds with interrupted sutures, at best liable to infection and subsequent danger, will be relegated to history, and the tendon suture will become an indispensable factor in wound treatment."- [Extracts from paper written by Dr. H. O. Marcy.

## SURGICAL REQUIREMENTS-SUTURING.

LEE'S NEW PATENTED ASEPTIC LIGATURE PACKAGES.


All these packages are put up as ordered containing, Cutgut, Braided Silk, Twisted Silk, and Cable Silk; there being no difference in the price of ligature used to fill the various packages.

Fig. 3. Lee's Vertical 3-spool Tube, complete. .......................each $\$ 050$
Fig. 4. Lee's 3-spool Tank Package, complete....................each
75
Fig. 6. Lee's No. 1 Small Tank Package, complete...................each 30
Fig. 7. Leo's No. 2 Medium Tank Package, complete. . . . . . . . . . . . . each 75
Fig. 5. Lee's No. 3 Large Tank Package, complete...................... 175
No. 2 Hospital Size, and No. 3 Extra Hospital Size.

## DRESSINGS, PLASTERS, ETC.

CANDLES, Sulphur. ..... doz., \$1.75
COTTON, Best Quality, Absorbent-
1 lb . package ..... 40
$\frac{1}{2} \mathrm{lb}$. ..... 23
${ }_{4}^{1} \mathrm{lb}$. ..... 13
1 oz . ..... 07
Hospital Quality, 5 lb. lots. ..... 35
2.5 lb . ..... 32
50 lb . ..... 30
100 lb. ..... 28
Borated, 1 lb. package ..... 45
$\frac{1}{2} \mathrm{lb}$. ..... 30
${ }_{4}^{1} \mathrm{lb}$. ..... 20
1 oz . ..... 10
Carbolated, 1 lb . package ..... 50
$\frac{1}{2} \mathrm{lb}$. ..... 30
$\frac{1}{4} \mathrm{lb}$. ..... 20
1 oz . ..... 10
Cor. Sublimate, 1 lb. package ..... 45
$\frac{1}{2} \mathrm{lb}$. ..... 30
$\frac{1}{4} \mathrm{lb}$. ..... 20
1 oz. ..... 10
Dermatol, in oz. bottles ..... 20
Iodized, 1 oz. bottles ..... 20
Iodoform, $\frac{1}{4} \mathrm{lb}$. bottles. ..... 50
1 oz . ..... 20
Salicylated, 1 lb. packages .....  65
$\frac{1}{2} \mathrm{lb}$. ..... 40
$\frac{1}{1} \mathrm{~b}$. ..... 25
1 oz . ..... 10
Sterilized, 1 lb . cartons ..... 65
$\frac{1}{4} \mathrm{lb}$. ..... 20
Styptic, 1 oz. bottles. ..... 15
Cotton Wool, 1 lb . package. ..... 35
GAUZES, Antiseptic,
Sterilized, Best Quality, 1 yard wide, 5 yards long, in can or jar .....  50
40
Borated, 1 yard wide, 5 yards long, in can or jar ..... 55
1 " 25 " in carton ..... 1.60
Carbolated, 1 yard wide, 5 yards long, in can or jar .....  55
1 " 25 " in carton ..... 1.60
Cyanide of Mercury and Zinc, 1 yard wide, 5 yards long, in jar ..... 75
Eucalyptol, 1 yard wide, 5 yards long, in jar ..... 75
Iodoform, 5 per cent, 1 yard wide, 5 yards long, in can or jar ..... 90

Naphthaline, 1 yard wide, $\overline{5}$ yards long ..... 754.75
Sublimated, 1 5 " in can or jar Sublimated, 1 ..... 55
25 " in carton 1 ..... 1.60

## DRESSINGS, PLASTERS, ETC.

gUTTA PERCHA TISSUE, Heavy yard 50c; lb., ..... $\$ 2.00$
JUTE, Plain ..... 25
Tarred ..... 40
Bleached, Absorbent. .....  35
LINT, Absorbent, 1 oz . cartons .....  75
1 lb . .....  60
Taylor's ..... 1.50
MACIN'TOSH, Black Rubber Cloth ..... 1.25
Pink, Best Quality. ..... 1.50
OAKUM ..... 18
50 bales ..... 12
OIL SILK, Plain, 28 inches, in box yard, ..... 80
28 " " 5 yard rolls box, ..... 3.60
Protective (Green), Listor's, 28 inch ..... yard, ..... 1.50
OIL MUSLIN, 36 inch ..... 60
OIL PAPER, Mead's, 24 inch, 2 yard rolls ..... 75
PEAT'. ..... 15
PLASTERS, Rubber, Adhesive, on strong cotton cloth, 12 -in. wide, 5 yard roll, ..... 1.25
Rubber, Adhesive, on moleskin, American, 7 -in. wide, 1 yard roll .....  50
7 ..... 2.50
roll .....  50
Rubber, Adhesive, on twilled linen, American, 7 -in. wide, 5 yard roll ..... 2.50
Court, 3 pieces, assorted colors in tablet $2 \times 3$ inch ..... 25
Isinglass, gold beater's skin, 6 -inch wide, 1 yard roll .....  30
moleskin, 7 -inch wide, 1 yard roll. ..... 50
" muslin, $\frac{1}{2}$ " 10 yards long. .....  20
" " 1 " 10 ..... 25
" ${ }^{*} \quad 8$ " 1 ..... 25
" ". 11 ..... 1.50
" silk, white, flesh or black, 7 -inch wide, 1 yard roll. .....  40
" tracing cloth, white, flesh or black, 7 -inch wide, 1 yard roll. .....  30
Adhesive, Plain, U. S. P. (by heat), 1 yard rolls .....  25 ..... 1.00
"
"
" on moleskin, best English, 1 yard rolls ..... 75
" on swansdown, English, I ..... 65
Rubber, Adhesive, on strong cotton cloth, $\frac{1}{2}$-in. wide, 10 yd. spools...spool, ..... 25
" " " " 1 " 10 ..... 10 .....  30
" " $\begin{array}{llllll}1 \frac{1}{2} & \text { ". } & 10 & \text { ". } & \cdots & \text { " } \\ 2 & \text { ". } & 10 & \text {.. } & & \text { ". }\end{array}$ ..... 40
" " " " 2 ..... 10 ..... 50
66 21 $\frac{1}{2} \quad 10$ .....  55
" ..... 10 .....  65
66 ..... 7
1 yd . roll ..... 25
" ..... ๖ ..... 1.00
SOAP, Antiseptic, Boric Acid ..... doz., 2.00
Hydronapthol. ..... 2.00
" Salicylic Acid ..... 2.00
Tar. ..... 1.75
DRESSINGS, PLASTERS, ETC.
SPONGES.
Surgeon's, Small ..... doz., $\$ 0.50$
Medium, Fig. 10472 ..... 1.00
" Large ..... 1.50
2.00
Extra Large
3.00
Choice
Very Choice ..... 6.00
Antiseptic, in bottles of 1 doz. each, Small ..... 75
Medium ..... 1.25
Large ..... 2.00
Small, on Strings, 50 on String ..... 1.00
Flat, Small ..... 45
" Large ..... 90
" Extra Large ..... 2.00
SPONGIO PILINE ..... yard, 5.00
WOOL, Lamb's, Absorbent, 1 lb . packages ..... 1.90
$\frac{1}{2}$ ..... 2.00
" " ..... 2.00
Cotton, Bleached ..... 40
Unbleached ..... 35
Paper, Plain ..... 25
Wood, Pine ..... 25

No. 1. Rubber Clipping Combs ..... 25 c.
Tinns $\sqrt[2]{2}+5$
No. 2. English Horn Clipping Combs ..... 25 c .

No. 3. Rubber Mane Combs ..... 25 c.
COMBS.
Tail Combs, Horn, Enameled Handle ..... $\$ 0.60$
Cherry, Plain ..... 40
" " Hard Rubber, Plain ..... 20
with Handle ..... 40Mane " " " ..... 40
"
"
"- ..... 20
" " Cherry, Plain ..... 40
" " Horn, Enamel Handl ..... 60
Hair Shedders ..... 50

## ROLLER BANDAGES.

These bandages are made from fine quality bleached muslin, washed and ironed. This muslin is finished and especially prepared for this purpose, after which it is thoroughly washed and purified, dried and ironed, and made into bandages. They are thus freed from impurities, and are soft and clean, and of nearly a pure white color. Bleached? muslin, as it comes from the mills, contains many impurities, such as bleaching material, dressings, bluing, starch, etc. These are irritating to wounds, and bandages of this kind are unfit for use.


BANDAGES, Roller, unbleached muslin, good quality.


BANDAGES, Roller, best white or red flannel.


BANDAGES, Plaster Paris, ready for use.


Fig. 10491. Rubber Bandages with Tapes.

## NET PRICES TO PHYSICIANS.

BANDAGES, Rubber, manufactured from pure gum, medium thickness.


RUBBER BANDAGES, extra heavy, for Esmarch's Tourniquets.

3 inches wide by $10 \frac{1}{2}$ feet long, with tapes

each, \$1.50

3

15

2.00

We are also prepared to furnish Rubber Bandages to order from 30 to 60 feet long, or very light or extra heavy ones for special purposes.

## GENERAL OPERATING INSTRUMENT.



## PATENT JOINT FOR FORCEPS AND SCISSORS.

There is perhaps no class of instruments more difficult to thoroughly cleanse than the ordinary forms of Forceps. Nearly all forms of Bone and Tooth Forceps have heretofore been constructed with closed joints, that not only afforded a safe deposit for disease germs, but furnished a good medium for conveying them from one patient to another. Our Patent joint is not only thoroughly aseptible, but it is as strong as the ordinary pattern. It may be unjointed in a second or two and as quickly put together. It combines all the necessary requisites in a perfect-working desirable instrument, and customers need have no hesitancy in ordering instruments constructed with our patent joint.


Fig. 10500. Liston's Straight Bone Forcep, Aseptible .....\$2.00; without spring, $\$ 1.85$


Fig. 10501. Liston's Curved Bone Forcep, Aseptible................................ . $\$ 2.25$


Fig. 10503. Bone Forcep, angular bent, Aseptible...................................... \$2.25


Fig. 10505. Satterlee's Bone Forcep, Aseptible

## GENERAL OPERATING INSTRUMENTS.



Fig. 10г20. Small Splinter Forcep, Aseptible


Fig. 10522. Heavy Splinter Forcep. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 3.00$


Fig. 10523. Ferguson's Bone Holding Forcep, Aseptible............................. . $\$ 2.25$


Fig. 10525. Luer's Curved Bone Gouging Forcep


Fig. 10526. Curved Sequestrum Forcep, Aseptible


Fig. 10528. Van Buren's Sequestrum Forcep, Aseptible ............................ $\$ 2.00$

## GENERAL OPERATING INSTRUMENTS.



Fig. 10540. Hamilton's Bone Drills with guard, Aseptible.
(Drills to be kept in the hollow handle.)


Fig. 10541. Langenbeck's Drills, all metal................................................. $\$ 4.50$


Fig. 10542. Brainard's Bone Drills, Aseptible. ......................................... . . $\$ 2.65$


Fig. 10544. Parker's Capital Saw, all metal......................................... $\$ 3.00$

## GENERAL OPERATING INSTRUMENTS.



Fig. 10552. Hughes Quitter Curette


Fig. 10553. Von Brun's Bone Scoop, Aseptible


Fig. 10555. Siemon's Curette, Aseptible


Fig. 10556. Mathieu's Concave Raspatory, Aseptible.


Fig. 10557. Plain Chisel.................................................................... . 75c.


Fig. 1055s. Gouge, for use with hand or mallet, Aseptible

Fig. 10559. Lead Mallet, Aseptible

Fig. 10550. Schroder’s Bone Scoop, Aseptible


Fig. 10578. Volkman's 4-prong Retractor


Fig. 10572. Plain Metacarpal Saw, Aseptible


Fig. 10577. Volkman's 2-prong Retractor

## GENERAL OPERATING INSTRUMENTS.



Fig. 10590. Scalpel, 3 sizes . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . each, $\$ 0.75$


Fig. 10591. Sbarp Curved Bistoury......................................................... $\$ 0.75$


Fig. 10593. Probe Curved Bistoury........................ ........................... . $\$ 0.75$


Fig. 10595. Tenotome.................... . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 0.75$


Fig. 10596. Miles' Castrating Knife.. ...................................................... . $\$ 0.75$


Fig. 10597. Double Edge Hoof Knife................................................... . . $\$ 0.75$


Fig. 10598. Tenaculum. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 0.75$


Fig. 105ั99. Cartilage Knife.................................................................. . . $\$ 1.50$


Fig. 10600. Virchow’s Cartilage Ǩnife, convex blade. .............................. . $\$ 1.75$

Fig. 10601. Virchow's Cartilage Knife, center point ..... $\$ 1.75$

## GENERAL OPERATING INSTRUMENTS.



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Fig. 106uG. Sim's Sharp Point Curved Scissors, $\$ 2.00$


Fig. 10607. Hank's Tenaculum Forcep, $\$ 1.85$

Fig. 10608. Byford's Dressing Forcep, $\$ 1.35$


Fig. 10610. Emmet's Twisting Forcep. $\$ 2.25$


Fig. 10614. Plain Tissue Forcep, $\$ 1.50$

Fig. 10616. Heavy French Vulsellum Forcep, with catch, $\$ 2.00$

## GENERAL OPERATING INSTRUMENTS.



Fig. 10620. Elevator and Raspatory, Aseptible........................................... . $\$ 1.00$
00000000
Fig. 10622. Sayre's Periosteotome, Aseptible.. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . \$1.д̀ .


Fig. 10624. Tuthill's Neurotomy Knife. ....................................................... . . $\$ 1.50$


Fig. 10fi26. Prof. Hughes' Neurotomy Needle... .............. . . . . . . . . . . . . . . . . . . . . $\$ 1.25$


Fig. 10628. Sim's Sponge Holder.. ............................................................. . . 50e.


Fig. 10630. Emmet's Sponge Holder . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 50c.


Fig. 10632. Exploring Trocar . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 90c.


Fig. 10634. Nested Tocars . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 3.50$

## GENERAL OPERATING INSTRUMENTS.


Fig. 10640. Fash's Horse Trocar, Reversible


Fig. 10642. Fiteh's Horse Trocar...................................................... . . $\$ 1.50$


Fig. 10644. Cattle Trocar............................................................... . $\$ 1.50$


Fig. 10647. Sheep Trocar. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 1.50$


Fig. 10648. Reversible Trocar. ......................................................... . $\$ 1.50$


## SYRINGES.



Fig. 10650. Van Buren's Syringe, for cleaning cavities........................... $\$ 1.75$


Fig. 10652. Fistula Syringe, hard rubber, 2 oz., 2 pipes.


Fig. 10654. Brass Injection Syringe, 20 oz.............................................. . $\$ 5.00$


Fig. 1060̄อ. Quittor Syringe, with hard rubber pipes.


Fig. 10657. Metal Injection Syringe............................ 24 oz., $\$ 2.00 ; 36$ oz., \$2.2.;


Fig. 10659. Hard Rubber Injection Syringe, $24 \mathrm{oz} . . . . . . . .$. . . . . . ............... $\$ 3.00$

## SYRINGES.



Fig. 10670. Hard Rubber Syringe, 1 oz., each, 5ूॅ.; 2 oz., each, 65c.; 3 oz., each, S0c.; 4 oz., each, 90 c .; 6 oz .each, $\$ 1.10$


Fig. 10672. Long Pipe Uterme Syringe, $1 \frac{1}{2}$ oz.....................................each, $\$ 1.00$


Fig. 10674. Metal Syringe, 2 oz.


Fig. 10675. Metal Syringes, 1 oz., dozen, $\$ 190 ; 2$ oz., dozen, $\$ 2.25 ; 4$ oz., dozen, $\$ 3.00 ; 8$ oz., dozen, $\$ 5.25 \overline{5} ; 16 \mathrm{oz} . . . . . . . . . . . .$. . . . . . . . . . . . . dozen, $\$ 9.00$


Fig. 10677. Straight. Mediciue Droppers. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . dozen, $\$ 0.35$


Fig. 10678. Bent Medicine Droppers............................................... dozen, $\$ 0.35$

## HYPODERMIC SYRINGES.



Fig. 10690. Hypodermic Syringe, No. 13, with stop-cock
This is an aspirating hypodermic that can be used as an ordinary hypodermic. It is provided with an aspirating stop-cock that can be attached between the needle and the syringe, so that it is not necessary to either withdraw the needle or unscrew the syringe to expel the aspirated contents.


Fig. 10692. Hypodermic Syringe, No. 14
This syringe, owing to its large size, is much used as an aspirator. It is similar to our No. 13, except that it is much larger and has ring handles.

## HYPODERMIC SYRINGES.



Fig. 10693. Hypodermic Syringe, No. 4, \$2.50; small size
This Syringe has graduated glass barrel, fenestrated metal guard, end of barrel removable for introduction of hypodernic tablets, two steel needles with wire and bottle in morocco case. It is of good quality and will give satisfaction.


Fig. 10695. Hypodermic Syringe, small size, No. 6................................... $\$ 1.00$
A fair quality Syringe, with hard rubber attachments.


Fig. 10697. Hypodermic Syringe, No. 9, small size, $\$ 2.75$; with Platina Needles, $\$ 5.25$ This syringe contains four bottles of hypodermic tablets.

## HYPODERMIC SYRINGES AND NEEDLES.



Fig. 10700. Hypodermic Syringe, small size, No. 36
This is a double fenestrated syringe, provided with caps, so that it can be carried either in a pocket case or in the vest pocket.


Fig. 10701. Hypodermic Needle.

Fig. 10702. Hypodermic Needle, extra long. Hypodermic Needles, best steel, nickel plated, Fig. 10701 35 c . extra long, Fig. 10702. 40c.
We are prepared to furnish needles to fit all styles and makes of hypodermic syringes.


TRUAXECD.
Fig. 10704.
Hypodermic Needle, best steel, for aspirating, Fig. 10704 . . . . . . . . . . . . . . . . . . . . . . 75c.


Fig. 10706.
Hypodermic 'Irocar, Fig. 10706
75 c.
Wire, for Needles, per bunch. 5 c .

## HYPODERMIC SYRINGE REPAIRING.

We make a specialty of repairing hypodermic syringes, and as we often receive several in one mail, we ask that physicians attach their prescription blank or label to them, in order that we may know from whom we receive them. If a portion of the syringe is to be replaced, send us the entire syringe, so we can obtain a perfect fit.

## POTAIN'S ASPIRATOR.



Fig. 10708. Potain's Aspirator, $\$ 9.00$

This Aspirator is supplied with three needles of different sizes, is nickel plated and put up in a neat leather case. It has two automatic metal valves, one the reverse of the other, which enable the operator to quickly change it from an exhaust to a force pump, thus converting it into an injector. The valves are brass, easily cleaned, and are not injured by coming in contact with liquids, and as the fluid passes only through the needle, long pipe and stop-cock, the instrument is easily cleaned.

## ASPIRATORS.



Fig. 10715. Lentz \& Son's Aspirator.


Fig. 10718. Peaslee's Aspirator (large)

Fig. 10719. Aspirating Needle, No. 1 75 c.


Fig. 10720. Aspirating Needıe No. 2........................................................ . 7 ๖̄c.


Fig. 10721. Aspirating Needle, No. 3........................................................ . 75 c.


Fig. 107.22. Aspirating Trocar . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 1.25$

## BULLET INSTRUMENTS.



Fig. 10730. Jones' Shot and Bullet Extractor. ........................................ . . $\$ 3.00$


Fig. 10732. Gross' Bullet Forceps ........................................................ $\$ 1.75$


Fig. 10734. American Bullet Forceps . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 1.50$


Fig. 10736. U. S. A. Bullet Forceps . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 1.50$


Fig. 10738. Flexible Bullet Forceps . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 4.50$


Fig. 10739. Elastic Bullet Probe, Porcelaìn Head. . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 0.75$

## DIAGNOSTIC INSTRUMENTS.

## THERMOMETERS.



Fig. 10750. Thermometer in Gilt Case, 5-inch......................................... $\$ 1.50$


Fig. 10752. No. 1. Plain Self-Registering Thermometer, 5-inch.................. \$0.75
This is a good thermometer, warranted, but is not re-tested.


Fig. 10753. No. 4. Truax, Greene \& Co.'s Self-Registering Thermometer, retested, 5 -inch
This thermometer not only possesses all the advantages of a self-registering instrument, but is so constructed as to form a new index every time it is used, thus avoiding all danger of accidental loss of register. This enables us to fully guarantec this thermometer not only to be accurate, but to retain its register indefl nitely. Imperfect ones will be exchanged free of charge.


Fig. 10755. No. 5. Truax, Greene \& Co.'s Magnifying Index Thermometer, 5-in. \$1.25
This thermometer is exactly like our No. 4 , except that it has a magnifying index. They are all re-tested and guaranteed accurate.


Fig. 10759. Thermometer in Metal Case. ........................................... $\$ 1.50$


Fig. 10764. Flint's Hammer, Hard Rubher
Fig. 10764. Flint's H
Fig. 10760. Flint's
Pleximeter. $\$ 0.25$


## DIAGNOSTIC INSTRUMENTS.

## STETHOSCOPES.



Fig. 10780. Dennison's Stethoscope
This Stethoscope is the Invention of Chas. Dennison, A. M., M. D., of Denver, Colo., and is the result of several years of careful research and experiments. Ita advantages consist in the nonmetallic quality of the sounds transmitted; its power of concentrating as well as conducting the waves of sound; the improved shape of the ear pieces and the bellendings, and its use in stethoscopic percussion. The arms and joints are made of hard rubber, thus avoiding the perversion of the natural sounds and elevation of the pitch, as is the case where metal tubes are used. So much care is exercised in this particular, that even the spiral lining wires of the flexible tubes are carefully laid between thin tubes of sof rubber, and the two then valcanized together. All the parts of this instrument are conical, so they form a gradually decreasing channel from the bell endings to the ear, as is shown by the dotted lines in Fig. 10780. This gives to the instrument the power of concentrating the waves of sound as well as that of transmitting them. In addition to the two bell endings that accompany most stethoscopes, it is provided with two additional ones, one of soft rubber and intended to use on uneven surfaces, as in emaciated patients, and the other for nse in stethoscopic percnssion. This bell is three inches in diameter, and for this use is held by the patient about three inches in front of hisopen mouth while the examiner makes forcible percussion (chiefly during expiration), thus obtaining the "cracked metal" and hollow sounds diagnostic of bronchial dilations, and cavities connected with the bronchial traot. The certainty with which these can be traced and mapped out by this means is astonishing to those who have never tried this method. We haveno hesitancy in recommending this instrumerit to those who value a stethoscope for its real merits, as an aid in obtaining accurate results in ehest examinations, and not for the outward scientific show so of ten made use of with these instruments as advertising mediums.


Fig. 10782. Bartlett's (Chicago) "Lænec" Stethoscope $\$ 4.00$


Fig. 10783. Knight's Stethoscope

DIAGNOSTIC INSTRUMENTS.


Fig. 10787. Camman's Stethoscope, set screw, soft rubber cup.................... $\$ 2.25$


## DIAGNOSTIC INSTRUMENTS.

## URINARY.



Fig. 10790. Prof. S. A. McWilliams' Urine Test Case.
Price
This case contains:

13 -oz. lamp with wick and alcohol.
1 good urinometer.
1 urinometer jar with lip and graduated. Size $5 \frac{1}{2} \times \frac{13}{13}$ inches.
10 test tubes, size $5 \frac{1}{2} \mathrm{x}_{1}^{7} \frac{7}{6}$ inches.
1 test tube holder.
1 stick wrapped with cotton, for cleaning tubes.
1 fine pointed nipple pipette for dropping nitric acid into test tubes when examining for albumen.
1 fine-pointed cubic centimeter pipette, longer than above, to suck up urine for sugar examination.
1 bottle nitric acid (this should not be kept in the box as the fumes will spoil contents).
1 bottle with funnel for filtering cloudy urine.
1 bottle of sodio-potassic solution for Fehling's test.
1 jar of litmus paper-red and blue. 1 jar of matches.

1 bottle of cupric sulphate solution for Fehling's test (the solution keeps best in separate bottles-mix in equal quantities in test tube when used).
1 bottle for bi-chloride water, into which place nipple pipette after using with nitric acid.
1 bottle for bi-chloride water, into which place long pipette after using with urine, until ready to clean.
1 strip of paper, marked $1,2,3$, etc.. in order to facilitate the record of persons' urine when allowed to stand in tubes, as No. 2, Mr. Jones.
1 tablet of paper, $93_{4}^{3} \times 5 \frac{3}{4}$ inches by $\frac{1}{4}$ inch thick, for taking notes of examinations.
1 urinary analysis guide book.
1 glass stirring rod.
1 lead pencil with eraser.
12 filter papers.

This case presents a good combination in consideration of the price. Customers ordering it will be agreeably surprised at its convenience in making ordinary examinations.

## DIAGNOSTIC INSTRUMENTS.



Truax, Greene \& Co.'s Original Urine Test Case.

Fig. 10794. Price of case, with bottles all filled, net $\$ 6.00$

This case is made of hardwood, finely polished, and is constructed on a new principle which possesses many advantages. The upper part, which forms the test tube rack when in use, can be closed down and fastened; the hollow slats holding the funnel slide into the case; the drawer can be returned to its socket, thus forming a neat, compact box, that guards its contents from breakage and protects them from the injurious effects of dust, light and air, so that the contents may be kept clean and always ready for use. It contains eight re-agent bottles, two glass funnels, alcohol lamp, two beakers, porcelain evaporating dish, two small glass evaporating dishes, fourteen test tubes (assorted sizes), test tube holder, urinometer, graduated pipette, filter, litmus paper and one book on Urinary Analysis. Two of the re-agent bottles contain the two solutions now used in making Fehling's Test; one a solution of Sodio-Potassic Tartrate, the other a solution of Cupric Sulphate, both so adjusted that, with the directions that accompany the case, a physician may easily make both a qualitative and a quantitative analysis for glucose, thus enabling the practitioner not only to detect sugar in suspected cases, but to make comparative tests, from time to time, in known cases of diabetes. They are always ready for use, and will keep for any length of time.

## DIAGNOSTIC INSTRUMENTS. MISCELLANEOUS.



Fig. 10797. Alcohol Lamp, 25 c . to 35 c .


Fig. 10798. Chemical Flasks. 18 c . to 85 c .

Fig. 10800.

Fig. 10804.
Bunsen Burners, 50c.


Fig. 10802. Beakers, 10 c . to 25 c .


Fig. 10805. Acid Bottle, 50c.



Fig. 10807.


Fig. 10812. Test Tube Holder, 25c


Fig. 10814. Straight Medicine Droppers, doz., 35c.


Fig. 10816. Bent Medicine Droppers, doz., 35c.


Fig. 10sis. Test Tube Rack, 65c.

## DIAGNOSTIC INSTRUMENTS-MISCELLANEOUS.

URINARY.



Fig. 10S64. Guarded Spring Lancet, $\$ 2.25$


Fig. 10867. Abscess Lance............. . 75 c .


Fig. 10860. Fleams, Berlin Model, fine quality. 1-blade, $\$ 1.00$; 2-blade, $\$ 1.25$; 3-blade... $\$ 1$. े $\left.^{\prime}\right)$


Fig. 10862. Fleams, ordinary quality. 1-blade, 60c.; 2-blade, 65c.; 3-blade, 75c.

## CASTRATING AND SPAYING INSTRUMENTS.



Fig. 10880. Miles' Ecraseur . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 9.00$


Fig. 10882. C'hassaignac's large Chain Ecraseur. Straight, $\$ 12.50$; curved...... $\$ 13.50$

'The advantages of an Eeraseur that would permit the operator to take in or pay out" the slack" of the chain has long been appreciated by veterinary surgeons. Many plans have been suggested, and while some have answered fairly well, none have proved as effectual and desirable as the one shown in the above illustration. After securing the chain in the sliding block the operator by pulling on the handle may draw the loop as tightly around the parts as can be done without screw power. By throwing forward the little lever shown on the upper side of the instrument, the screw becomes at once engaged and the operation concluded as with a plain Ecraseur.

## CASTRATING AND SPAYING INSTRUMENTS.



Fig. 10892. Rachet Castrating Clamp


Fig. 10894. Berlin Castrating Clamp


PATENT APRLIED FOR.
Fig. 10890. Fash's Emasculator


Fig. 10896. House's Castrating Clamp, $\$ 6.50$


Fig. 10898.
Plain Castrating Clamp, $\$ 4.00$

## CASTRATING AND SPAYING INSTRUMENTS.



Fig. 10904. Miles' Castrating Knife


Fig. 10905. Plain Castrating Knife........................................................ . $\$ 1.25$


Fig. 10908. Miles' and Plain Castrating Knife. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ \mathbf{2 . 2 5}$


Fig. 10902. Scalpel and Castrating Knife.

## CASTRATING AND SPAYING INSTRUMENTS.



Fig. 10925. Plain Spaying Needles............................................................. . 25 c.


Fig. 10927. Miles' Spaying Needles
75 c .


Fig. 10928. Miles' Spaying Sound................................................................ . . 7 ฮ̌с.


Fig. 10920. Small Wire Ecraseur.


Fig. 10922. Miles' Spaying Scissors........ . ........................... . . . . . . . . . . . . $\$ 6.00$
Fig. 10924. Williams' Spaying Speculum.$\$ 7.00$

## CAPONIZING INSTRUMENTS.

The art of caponizing seems to be very little known in this country. . The operation, however, is quite simple, and in France and Italy is frequently allotted to mere children.

This set is especially invented to enable farmers and poulterers to do their own caponizing.

The advantages of capons are, much larger fowls, sweeter and finer meat, and will pay 100 per cent. more than ordinary fowls. They will rear and care for many more young chicks from an incubator or hen than a hen will, on account of their large size. They like the young chicks' company, neither hens nor cocks having any use for them. The hen, after bringing out a brood, feed her for a few days, then let her run with the flock and she will lay again.

No farmer who raises poultry can afford to be without this set.
This set consists of one fine steel knife and forceps; one nickel-plated spreader, both well adapted for the purpose; improved German silver cutting and twisting scoop, with fine hook on opposite end; one fine German silver probe, and four German silver books attached to cords for quickly securing the fowl; all in a fine velvet-lined case, with twenty-five cent book, Practical Caponizing and How to Make Poultry Pay.
Sent by mail, on receipt of price.
$\$ 3.00$ net.
This little instrumentis for marking young and old chickens and all kinds of fowl. It is invaluable to Breeders and Farmers. The markings will enable them to recognize their fowl at a glance, either with or without their feathers. If you have fowls stolen you need no better proof than your own private marking, which need not be known to anyone but yourself, keeping a register as follows:


These fifteen figures can be made into 225 different ways of marking. This can be increased by marking the skin of the wing. It is a great advantage for young chicks. The eggs are marked from the different breeds, and as soon as the chicks are hatched they are marked with the punch; by so doing you can tell their age, and every detail in regard to them. This punch is worth its price several times over in detecting the chicken thief. The cut shows full size. They are made in two sizes, for large and small chicks, nickel-plated, have steel cutter and spring, and are made small and neat to carry in the vest, pocket. Sent by mail, on receipt of price, 25 cents each.

## CAPONIZING INSTRUMENTS.



Fig. 10931. Miles' Caponizing Knife.


Fig. 10932. Miles' Caponizing Spoon Forcep


Fig. 10933. Miles' Caponizing Spreader.

## Fig. 10934. Caponizing Probe <br> FARMER MILES' CAPONIZING OR No. 2 SET.

This set has a great many admirers, as it does away with the horse hair. It consists of a knife for making the incision; the Spreader Forceps for holding the side open; sharp hook for catching the skin; the Loop Forceps is for catching and removing. Cords with hooks are for holding the bird. They are very fine instruments, made of the finest steel and of the best workmanship.

## CAPONIZING INSTRUMENTS.




Fig. 10947.
Plain Caponizing
Spreader
.50 c .


Fig. 10946. Wigmore's_Caponizing Hook and Scoop... . $\$ 1.50$


Fig. 10940. Farmer Miles' Caponizing Set.. ................... . $\$ 6.00$


Fig. 10941. Wigmore's Caponizing Set, with Book of Instructions, . . $\$ 2.7 \mathrm{~J}^{3}$

OBSTETRICAL AND PARTURITION INSTRUMENTS.
"MULLEN'S PARTURITION INSTRUMENTS."


Fig. 10948. Mullen's Obstetrical Saws and Handle.


Fig. 10949. Mullen's Obstetrical Forcep and Handle.


Fig. 10950. Mullen's Guarded Obstetrical Hook and Handle.


Fig. 10952. Mullen's Obstetrical Hooks.

# OBSTETRICAL AND PARTURITION INSTRUMENTS. 

PROF. WITHER'S OBSTETRICAL SET.



Fig. 10957. Wither's Long Probe Point Cutting Hook.


Fig. 10959. Wither's Long Sharp Point Cutting Hook................................ . $\$ 2.25$


Fig. 10960. Wither's Long Sharp Point Hook........................................... . $\$ 1.75$


Fig. 10961. Wither's Chisel . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 2.50$


Fig. 10962. Wither's Straight Rope Carrier.............................................. . $\$ 1.50$

## OBSTETRICAL AND PARTURITION INSTRUMENTS.

PROF. WITHER'S OBSTETRICAL SET-Continued.

Fig. 10964. Wither's Obstetrical Saw$\$ 2.75$

Fig. 10965. Wither's Curved Rope Carrier. ..... $\$ 1.75$


Fig. 10966. Handles, for Witber's Saw and Rope Carrier, per pair............... \$2.50


Fig. 10967.
Wither's Short Blunt Hook k. . $\$ 1.25$


Fig. 10968.
Wither's Short Sharp Hook $\$ 1.50$

Wither's Obstetrical Set, complete in Roll Case $\$ 20.00$


[^2]
## OBSTETRICAL AND PARTURITION INSTRUMENTS.

## Swain's Patent Veterinary Embryotome.

The only practical instrument invented for performing extensive embryotomy. It cuts from the operator and against the expulsive efforts of the dam of the foetus operated upon, the advantages of which are readily apparent to the experienced obstetrician.


The Embryotome is provided with a shield which effectually protects the genital organ during insertion of the instrument, and is easily removed while operating. It also has three blades, two with rounded points and one with sharp point, either of which can be quickly detached and exchanged if desired. A screw driver for the purpose is provided in the joint of staff. The instrument is thirty inches in length and two inches wide at the cutting point, and so constructed as to be very light and strong, being made of the finest quality of instrument steel, finely finished and full nickel plated. The method of operating and use are so simple as to require but little explanation; but will say, with anterior presentation the head deviated backward, the cervical vertebra is readily and easily divided and the head and neck removed, also in case of breach or crop presentation the head of the femur may readily be disarticulated and the hind legs removed. The hooks are then applied and delivery effected by traction.

Its advantages are:
First-When in position and force brought to bear it cannot be displaced.
Second-It possesses double cutting power.
Third-Sliding motion while in operation, the advantages of which cannot be overestimated.

Fourth-It is capable of rapidly cutting bone as well as soft structures.
The inventor, having had many years experience in Veterinary Obstetrics, and having felt the want of a practical, easy operating Embryotome, has, after many trials, perfected this instrument, and is confident that no practitioner can afford to be without one. All successful Obstetricians must feel the necessity of always being prepared with the most improved instruments to meet their cases. This Embryotome is offered you at a very reasonable figure.
Price, each

## OBSTETRICAL AND PARTURITION INSTRUMENTS.



OBSTETRICAL AND PARTURITION INSTRUMENTS.


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Fig. 11004. Concealed Blade Embryotomy Knife...................................... . $\$ 1.85$


Fig. 11006. Embryotomy Knife Metal Handle


Fig. 11008. Embryotomy Knife, Rubber Haudle,


Fig. 11023. Ring Embryotomy Knife, straight.... \$1.25

Fig. 11020. Leach's Embryotomy Knife $\$ 1.50$



Fig. 11022. Ring Embryotomy Kinife, curved..... \$1.25


Fig. 11009. Embryotomy Saw
$\$ 1.50$


Fig. 11025. Miles' Leg Spreader. ........................................................ . . $\$ 6.00$

## GYNAECOLOGICAL INSTRUMENTS.

Dr. M. E. Knowles' Set for the Treatment of Sterility and Uterine Diseases.


Fig. 11027. Knowles' Vaginal Speculum, metal........................................... . $\$ 15.00$


Fig. 11030. Knowles' Cervical Dilator...................................................... . $\$ 2.50$


Fig. 11031. Knowles' Uterine Dilator......................................................... . $\$ 15.00$


Fig. 11032. Perfected Needle Holder, large size........................................ . $\$ 4.00$

## KNOWLES' UTERINE INSTRUMENTS-CONTINUED.


Fig. 11033. Applicator Forcep. $\$ 7.00$

Fig. 11034. Vulsellum Forcep
Fig. 11035. Tenaculum ..... $\$ 2.00$
Fig. 11036. Serrated Uterine Curette ..... $\$ 4.00$

Fig. 11037. Plain Uterine Curette ..... \$3.50

Fig. 11038. Flexible Copper Applicator. ..... $\$ 1.75$

## KNOWLES' UTERINE INSTRUMENTS-CONTINUED.


Fig. 11042. Wire Twisting Forcep. ..... $\$ 2.50$

Fig. 11039. Powder Blower ..... $\$ 2.50$


Fig. 11040. Introducer and Pessary
Fig. 11041. Uterine Douche$\$ 3.00$Dr. M. E. Knowles' set of Sterility and Uterine Instruments, complete in a finecase with nickel trimmings$\$ 110.00$

# ARTIFICIAL IMPREGNATION. 



Fig. 11060. Sutherland's Impregnating Syringe
. $\$ 8.00$
This Syringe has been in use some time, and meets every requirement. With it artificial impregnation is a success, and many mares heretofore sterile have produced valuable colts.

By D. G. Sutherland, V. S.

(Reprint from "Clark's Horsc Review.")

Artificitbl impregnation, or, in other words, the propagation of the species in an unnatural manner, is not new in theory, ind has, perhaps, to a certain extent been practiced. It has for many years been known to medical men that the introduction of the semen of the male into the uterus, or womb, of the female by artificial means could be followed by impreguation; that the semen of the male coming in contact with the ovum, or egg, of the female, no matter in what manner it was introduced, would fertilize the egg and the female would become pregnant.

Experiments with animals, so far as I know, have been very limited, but I have at our breeding farm demonstrated that artificial impregnation is not only possible but practicable, and we have the produce to show-one filly and two colts, straight, sound and good, and partaking as much or more of the characteristics of the horse sphinx than those bred in the ordinary way. The process is not complicated and is given in full. Last year an ordinary syringe was used, but this season a syringe of my own pattern, of the proper length and shape, was procured from Charles Truax, Greene \& Co., 75 and 77 Wabash Avenue, Chicago, Ill., who have kindly furnished the cut given and have placed the instrument on the market., This syringe seems to be perfeet, and answers the purpose admirably. With it a competent veterinary, or one well versed in the location of the parts, will have no trouble in properly in troducing the semen into the uterus of the mare. Introduce the hand and arm, well covered with vasaliue, into the vagina. When the os uterus, or mouth of the womb, is located, take the instrument in the left hand, pass it along the lower side and close to the arm and into the os uterus, or opening of the womb. The syringe now being in position, all that remains to be done is to push in the piston rod with the left hand (the right always holding the instrument in position), and the semen contained in syringe is delivered in its proper place.

The necessary semen can be procured in two ways. By the introduction of the syringe into the vagina of the mare immediately after service and drawing out a necessary amount; or, what is the better way, have a clean earthen bowl of the proper temperature, steady the horse at time of service in the usual manner by placing the shoulder of an attendint on each side of the mare behind the front legs of the horse. After service and withdrawal of the penis a snffieient quantity can be caught from its end and from what frequently follows it from the mare to impregnate not one but frequently two or three mares if necessary. The mare to be injected should be close at hand, and the whole operation need take but a few moments.

I have found, under the microscope, that the semen after being exposed to the ail out of doors on a windy, cold day, lived for nine minntes. At the end of that time motion catsed and life was evidently extinct. Another series of experiments will be inade to ascertain how long the semen can be kept alive by keeping it at the proper temperature and exeluded from the air and in chemical solution. In connection with a plysician I have examined the semen of Sphinx and other stallions, and heprononnced the semen of Sphinx the strongest and most aetive he had seen-in fact, stronger than in the majority of men. These examinations show that there is still much to be learned by breeders.

The advantages of artiflcial impregnation, not only to owners of stallions but to breeders, is positive and of great valne. To illustrate: The first mare experimented on last year belonged to H. Coleman, of Saginaw. She produced one colt to Sphinx, was bred the next two years to the same horse but failed to get in foal. In 1891 she was not served by the horse but was injected once and proved to be in toal. This year (1892) she prodnced a fine fllly, partaking much more of the shape and characteristics of the horse than the former foal. The second mare balonged to the farm and had been bred to other stallions two years without result. At the second injeetion she stood, and produced this year a the horse colt that promisos much as a trotter. The third wasa driving mare and was injected as an experiment, she never having been bred. She stood to the flrst injection, and has as flne au individual colt as there is on the farm.

## TEAT INSTRUMENTS.



Fig. 11078. Self-Retaining Milking Tube
Plated, $\$ 0.45 ;$ Silver, $\$ 0.70$


Fig. 11076. Plain Milking Tube
.Plated, $\$ 0.30$; Silver, $\$ 0.40$


Fig. 11068. Ring Handle Teat Slitter $\$ 3.00$


Fig. 11070. Thompson's Teat Bistoury................................................. . . $\$ 2.50$


Fig. 11072. Greene's Teat Bistoury...................................................... . . $\$ 4.50$


Fig. 11074. Wigmore's Teat Bistoury.................................................... . $\$ 2.00$

## HOOF INSTRUMENTS.


.Common, $\$ 0.75$; Best, $\$ 1.00$
Fig. IIO80. Hoof and Operating Set, containing:
1 Saw.
1 Gouging Ḱnife.
2 Double Edge Hoof Kinives.
1 Scalpel.
1 3-Blade Fleam.

3 Single Edge Hoof Knives.
1 Neurotomy Knife and Needle.
1 Double Edge Sage Knife.
1 Handle.
Leather Roll, chamois lined.
$\$ 15.0 \mathrm{C}$


Fig. 11084. Folding Hoof Knife . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 1.50$


Fig. 11085. Stiff Handle Hoof Knife.


Fig. 11086. Sage Knife, right and left
$\$ 1.15$
double edge.
1.15


Fig. 110s7. Double Edge Hoof Knife

## HOOF INSTRUMENTS.



Fig. 11095. Hook and Hammer


Fig. 11090. Stiff Metal Handle Hoof Knife, each ........................................ $\$ 1.50$ Set of two, right and left, metal handles, in leather case, set........... 3.00


Fig. 11089. Hoof Knives, set of 4 and 1 handle, $\$ 4.00$; in roll-up leather case


Fig. 11094. Frog Seton Needle............... . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 0.75$


Fig. 11098. Clipping Shears, plain $\ldots$ leather rings. ................................................................................. 1.25

## HOOF INSTRUMENTS.



Fig. 11100. Singeing Lamp for Gas, 2 heads, including tubing. .................. $\$ 7.00$


Fig. 11102. Singeing Lamp for Alcohol.............. $\$ 3.00$


Fig. 11104. Berlin Quarter Crack Forcep, with small and large jaws, 2 dozen $\begin{aligned} & \text { clamps................................................................... } \$ 10.00\end{aligned}$


Fig. 11108.
Plain Hoof Searcher $\$ 2.00$


Fig. 11106. Quarter Crack Forcep, $\$ 4.50$; with Iron, $\$ 5.75$


Fig. 11109. Berlin Hoof Searcher... $\$ 4.00$

## FIRING INSTRUMENTS.

## THERMO-CAUTERIES.



Fig. 11130. Paquelin's Thermo-Cautery............................................ . . . $\$ 25.00^{\circ}$
Extra knives, each, $\$ 10.00$.


Fig. 11132. Zoo-Cautere, the above set without feathering point.

FIRING INSTRUMENTS.


Fig. 11135. Pocket Thermo-Cautery, with double bulb. ......................... $\$ 16.50$


Fig. 11140. Firing Irons, each. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 0.75$
Firing Iron Handles. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1.00
Truax, Greene $\mathbb{E}$ Co.'s Firing Set, containing 3 Puncturing Irons, 3 Feathering Irons and 1 Handle, in a neat Leather Roll.

## FIRING INSTRUMENTS.



Fig. 11154. Self-Blowing Furnace for heating Firing Irons
The Furnace, as arranged, is absolutely non-explosive, being provided with an air-blast, which supplies the necessary pressure to force the fluid to the burner, instead of the elevated tank.


Fig. 11147. Firing Irons, any pattern, without handle, each......................... $\$ 0.75$
Firing Iron Handle, universal ............................................ . . 1.00
Firing Iron, with plain stiff handle ....................................... . . . 55


Fig. 11150. Williams' Pyropuncturing Iron................................................ $\$ 3.50$

## NEUROTOMY INSTRUMENTS.



Fig. 11160. Neurotomy Knife, right and left...................................each, $\$ 1.50$


Fig. 11162. Hughes' Neurotomy Hook and Needle................................... $\$ 1.50$


Fig. 11163. Plain Artery Forcep...................................................... . . $\$ 0.75$


Fig. 11165. Curvedion Flat Scissors, 6-inch.............................................. $\$ 1.50$


Fig. 11167. Tuthill's Neurotomy Knife............................................... $\$ 1.50$


Fig. 11172. Curved Lithotomy Forcep, Aseptible. . ................................... . . $\$ 4.00$


Fig. 11174. Dolbeau's Lithoclast, Aseptible.


Fig. 11175. Gouley's,Double Lever Lithoclast.. ...................................... . . $\$ 10.00$


Fig. 11176. Bigelow's Lithotrite, latest pattern


Fig. 11177. Thompson's Lithotrite . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 40.00$


## LITHOTOMY INSTRUMENTS.



Fig. 11192. Lithotomy Scoop and Conductor, Aseptible............................ $\$ 1.7 \overline{5}$


Fig. 11194. Luer's Lithotomy Scoop, A septible.......................................... $\$ 1.85$


Fig. 11195. Sharp Pointed Lithotomy Scalpel, Aseptible.............................. . $\$ 1.25$


Fig. 11196. Probe Pointed Lithotomy Scalpel, Aseptible.............................. . $\$ 1.25$


Fig. 11197. Large Scalpel, No. 0................................................................ $\$ 1.25$


Fig. 1119S. Blizzard's Probe Pointed Bistoury, Aseptible............................. $\$ 1.25$

## CATHETERS.



Fig. 11202. Combined Horse and Mare Catheter


Fig. 11206. Horse Catheter, plain.:......................................................... . $\$ 1.25$
" ، linen, best quality.......................................... 1.50
Colt " " " " ................................................ 1.5


Fig. 11207. Horse Catheter, with stylet, best quality

## DEHORNING INSTRUMENTS.


Fig. 11210. Leavitt's Dehorning Clipper ..... $\$ 9.00$


Fig. 11214. Plain Dehorning Forcep


Fig. 11216. Dehorning Gougirg Forcep. ..................................................... $\$ 3.50$


Fig. 11218. Dehorning Saw. .................................................................... . $\$ 1.00$
" " Nickel-plated

## HAAFF'S DEHORNING SET.

Consisting of 1 Saw, 1 Punch, 1 Gouging Forcep.
Set, complete . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 3.00$

## POST-MORTEM AND DISSECTING INSTRUMENTS.



Fig. II230. Finnel's Post-Mortem Case, containing :

1 Amputating Knife, Saw.
1 Handle to fit the above
3 Assorted Scalpels.
1 Steel Handled Cartilage Knife.
1 Straight Dissecting Scissors.
1 Steel Handled Tenaculum.

1 Set Heavy Chain Hooks.
1 German Silver Blow Pipe.
1 Dissecting Forcep.
2 Needles and Thread.
1 Chisel.
In Rosewood Case, with lock and key.

Price


Fig. II232. Truax, Greene \& Co.'s Post-Mortem Case, containing:

1 Hammer.
1 Costotome Chisel.
1 Steel Handled Cartilage Knife.
3 Assorted Scalpels.
1 Steel Handled Dissecting Hook.
1 Pair Plain Dissecting Forceps.
1 Enterotome.
1 Set of Heavy Chain Hooks.

1 German Silver Blow Pipo.
1 Plain Chisel.
1 Pair of Straight Dissecting Scissors.
1 Amputating Knife.
1 Saw, with lifting back and separable handle.
2 Needles, Thread and Wax. Mahogany Case, slide or lock.

## POST-MORTEM AND DISSECTING INSTRUMENTS.



Fig. 11240. Truax, Greene \& Co.'s No. 1 Dissecting Case, containing; 2 Scalpels

1 Cartilage Knife.
1 Dissecting Forcep.
1 Blow Pipe.
1 'L'enaculum.
1 Dissecting Scissors.
All in a neat Polished Hardwooll Case.
Truax, Greene \& Co.'s No. 2, containing:
4 Scalpels.
1 Dissecting Scissors.
1 Blow Pipe.
1 Tenaculum. 1 Cartilage Knife.
1 Set Chain ifooks.

In Polished Martwood Cus:
Sherman's, containing:
a scalpels, assorterl.

1 Dissecting scissors.
1 Dissecting Forcep.
1 Blow Pipe.
I Set Chain Hooks.

All in a neat Polished Hardwood Case.
.$\$ 3.00$


Fig. 11242. Truax, Greene \& Co.'s Aseptible Dissecting Case No. 5, containing:

1 Cartilage Knife.
3 Scalpels, assorted sizes.
1 Tenaculum.
All in a neat All-Metal Case.
1 Chain and Hooks.
1 Scissors, separable blades.

## POST-MORTEM AND DISSECTING INSTRUMENTS.

$\qquad$

Fig. 11250. Truax's Capital Saw, three blades, Aseptible. This saw is also furnished with one or two blades.


Fig. 11254. Costotome Chisel ........................... . \$1.15


## POST-MORTEM AND DISSECTING INSTRUMENTS.



Fig. 11260. Double Grappling Hook, 45 c .


Fig. 11262. Chain and Hook, 20c.


Fig. 11263. Dissecting Tenaculum, 35c.


Fig. 11264. Dissecting Cartilage Knife, 45c.

Fig. 11265. No 1 Dissecting Scalpel, 35c.


Fig. 11266. No. 3 Dissecting Scalpel, 35.c.


Fig. 11268. Dissecting Forcep, 40c.


Fig. li269. Rachitome Knife, $\$ 1.50$

## INSTRUMENT BAGS.



Fig. 11280. Instrument Bag with 6 bottles on side. For prices and sizes, see page 117.


Fig. 1128\%. Instrument Bag. For prices and sizes, see page 117.


Fig. 112S4. Instrument Bag, Cabin Pattern. See page 117.
The construction of this bag is such that there is no change in shape or loss in capacity or size when closed as in the other styles of bags. It will open completely, giving a full view of all contents, and will stay open without the covers being held. When open it occupies no more surface space than when closed. It is neat in appearance, substantially made and very durable. All things considered, it is by far the most desirable instrument bag yet offerd. This bag is made in five sizes. For prices, see page 117.

## INSTRUMENT BAGS.

Bags, Instrument, 12 inch, regular width ..... \$2. 50
13 ..... 2.65
14 ..... 2.80
10 Fig. 11282 ..... 3.00
16 ..... 3.15
17 ..... 3.30
12 ". extra wide ..... 290
13 ..... 3.05
14 ..... 3.25
15 ..... 3.40
16 ..... 3.55
with 6 bottles on side, 14 iuches, Fig. 11280 ..... 3.30
" 6 ". 15 ..... 3.45
" 6 - 16 ..... 3.60
" 6 ..... 3.75
" 4 glass bottles in center, 15 inch. ..... 4.25
" 4 16 ..... 4.50
" 4 17 ..... 4.75
Cabin pattern, 12 inch, Fig. 11284 ..... 4.00
" " 14 ..... 4.25
" ${ }^{4} 15$ ..... 4.50
" " 16 ..... 4.75
17 ..... 5.00
with 6 bottles on side, 14 inch ..... 4.75
" 6 " " 15 ..... 5.00
" ..... " 0 "
" 16
" 16 ..... 5.25 ..... 5.25
" 6 " " 17 ..... 5.50


Instrument Rolls. For prices see page 5.

## Medicine Cases,

Instrument Bags,
Dental Rolls

AND

## ALL KINDS OF LEATHER WORK A SPECIALTY.

## MEDICINE CASES.



Fig. 11290. Truax, Greene \& Co.'s No. 100 Veterinary Medical Case............... $\$ 12.00$
This case is made of russet leather with fine nickel trimmings. The partitions dividing the bottles can be removed, thus converting it into an instrument case. It contains 28 -oz. wide mouth, 38 -oz. tincture, 104 -oz., 102 -oz. all glass-stoppered bottles and space for instruments.


Fig. 11294. The Nancy Hanks Veterinary Case.
Nancy Hanks Veterinary Case. Made of black water-proof leather, substantially lined, containing 68 -oz., 84 -oz., $92 \frac{1}{2}$-oz., 81 -oz., and large box for sundries. Dimensions, $13 \frac{1}{2} \times 8_{4}^{3} \times 8 \frac{1}{4}$.

## BUGGY AND HAND CASES.



Fig. 11296. Truax, Greene \& Co.'s No. 200 Veterinary Medicine Case............ $\$ 15.00$
This case is made of russet leather with fine nickel trimmings. Size, 13 in . long, 8 in . wide, 12 in . high ; contains 38 -oz. square glass stop. tinct. bottles, 28 -oz. square salt mouth bottles, 121 -oz. round bottles, 74 -oz. round bottles, $92-\mathrm{oz}$. round bottles, $12-\mathrm{oz}$. graduate, 1 pair scales, 1 mortar and pestle, space for horse catheter, powders, etc.


Fig. 11298. Truax, Greene \& Co.'s No. 300 Veterinary Medicine Case... ......... . $\$ 1000$
This case is of russet leather with fine nickel trimmings. In addition to a strong lock it is provided with clasps at each end. The case is $1 \frac{1}{2} \frac{\mathrm{in}}{}$. long, $8 \frac{1}{4} \mathrm{in}$. wide and $8 \frac{1}{2}$ in. high, and contains 28 -oz. glass stop. wide mouth, 38 -oz., 74 -oz., 10 2-oz., 8 1-oz. bottles, with graduate and large instrument box.

## BUGGY AND HAND CASES.

## MARSHALL'S CONVERTIBLE HAND CASE SADDLE-BAGS.-PATENTED.

This bag is made of the best leather, either russet or black, the triminings are

MARSHALL'S PATENT.


No. 1. Saddle-bag Form. nickel-plated, and in every way it presents a very fine appearance. It contains $12 I_{\frac{1}{2}}$-oz. glass stoppered, 166 -drachm and 82 -drachm corked vials, besides having two boxes, for sundries, on either side that measure $7 \frac{1}{2} \mathrm{in}$. long, $2 \frac{1}{2} \mathrm{in}$. wide and $2 \frac{1}{4} \mathrm{in}$. deep.


It can be changed from saddle-bags No. 1 to hand case No. 2, or vice versa, almost instantly.
Price, russet leather . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Net, $\$ 16.00$
black.
15.50


Fig. 11312. Hand Case
This case is $9 \frac{1}{2} \mathrm{in}$. long, $3 \frac{1}{4}$ in. thick, by 4 in. high, and contains 8 1-oz., 106 drachm and 12 4-drachm vials. $\$ 3.00$

Fig. 11316. Satchel Medicine Case

## BUGGY AND HAND CASES.



Fig. 11320. Buggy and Hand Case . $\$ 13.50$
Buggy Case, containing 6 2-oz. glass stoppered, 10 1-oz., 126 -drachm and 14 4 -drachm corked vials. In the top is a box with lid, size $8 \frac{1}{2} \times 4 \frac{1}{2} \times 1$ inch, with instrument loops. The case closes with a spring eatch, and has a lock and key. lt is made of the heaviest and best russet or black sole leather, and is well protected with metal trimmings. Size, $10_{4}^{3} \times 5_{4}^{\frac{3}{4}} \times 7$ inches.

Note.-The row of glass stoppered bottles rises as the case opens, and the vial labels are all exposed.


Fig. 11332. Medicine Case . $\$ 2.50$

Genuine Russia leather, and contains 8 vials, 3 drachms each.


Fig. 11324. Buggy and Hand Case. $\$ 10.75$
Made of fine seal grain, bag stock; contains vials on removable partitious, 221 -ounce and 223 -drachm. Size, $11 \times$ $6 \times 5 \frac{1}{2}$.

## MEDICINE CASES.



Fig. II330. TRUAX, GREENE \& CO.'S FLEXIBLE MEDICINE CASES.
These Cases are all made with one row of bottles, the size of the vials varying from one-half to 6 drachms, and from 6 to 15 bottles in each case. The best patterns are as follows:



Fig. 11336. Medicine Case.. $\$ 1.85$
This Case is of dark morocco and contains 20 4-drachm vials.


Fig. 11337. Medicine Case $\$ 2.50$
This Case contains 103 -drachm and 14 2-drachm vials; stiff ends, dark morocco.

## RUBBER GOODS.



Fig. 11350. German Ice Bag, 75c.


Fig. 11352. No. 4 Ice Bag , 50 c .


Fig. 11355. Half Long Rubber Gloves, $\$ 1.25$ to $\$ 2.00$. Fig. 11356. Short Rub-
ber Gloves, $\$ 1.00$ to $\$ 1.15$.

Fig. 11357. Men's Rubber Mittens, $\$ 1.00$.


Fig. 11358. Showing application of Water Coils for Hot or Cold Water.

Water Coils, oblong, 5x9 inches. . . . . . . . . . . . . . . . $\$ 1.85$
square, 10 " ................... 3.00 round, 9 " .................... 1.85
$7 \times 11$ inches
$\$ 2.65$
14 " ................ 4.50
13 " ............... 2.65


Fig. 11370.

## ELASTIC LEGGINGS

## for the treatment of

## BOG SPAVINS, SWELLINGS,

And other conditions where a constant pressure on the parts would be beneficial.

## DIRECTIONS FOR MEASUREMENTS.

Give circumference of leg at $A, B, C, D$ and $E$; give distance from knee joint to lower edge of legging and from knee joint to upper edge of same.

## PRICE, $\$ 3.75$ TO \$5.00.



Fig. 11372. Rubber Bandages with Tapes.

## NET PRICES TO PHYSICIANS.

Bandages, Rubber, manufactured from pure gum, medium thickness.
2 inches wide by 6 feet long

$$
\text { each, } \$ 0.40
$$

2 " 2 .....  50
2 " 10 ${ }^{\frac{1}{2}}$ .....  60
$2 \quad$ " 12 ..... 70
2 " 15 ..... 90
$2 \frac{1}{2}$ " 9 .....  60
$2 \frac{1}{2}$ " $10 \frac{1}{2}$ ..... 75
$2 \frac{1}{2}$ ..... 12 ..... 90
$2 \frac{1}{2}$ " 15 ..... 1.05
$2 \frac{1}{2}$ " 18 ..... 1.20
3 " 9 ..... 75
3 " $10 \frac{1}{2}$ ..... 90
3 " 12 ..... 1.10
3 " 15 ..... 1.25
3 ..... 18 ..... 1.50
Rubber Bandages, extra heavy, for Esmarch's Tourniquets.
3 inches wide by $10 \frac{1}{2}$ feet long, with tapes ..... each, $\$ 1.50$
3 ..... 15 ..... 2.00
We are also prepared to furnish Rubber Bandages to order from 30 to 60 feetlong, or very light or extra heavy ones for special purposes.Bandages, Derby, set of 4 , white$\$ 0.65$
" " " gray ..... 75
" scarlet ..... 100
" Empire, 3 inches by 5 yards ..... 1.00

## BOG SPAVIN TRUSSES AND STALLION SHIELDS.



Fig. 11380. Plain Bog Spav-
in Truss..... \$5.00


Fig. 11382. A. H. Baker's Bog Spavin and Thoroughpin Truss..... $\$ 7.00$


Fig. 11384. A. H. Baker's Bog Spavin Truss, $\$ 5.00$


Fig. 11385. Improved Supporter for Trotting Stallions, latest pattern.. \$6.00


Fig. 11386. Rubber Stallion Supporter..... \$4.00

## CHEMICAL GLASSWARE AND APPARATUS.



Fig. 366.


Fig. 365.


Fig 370.


Fig. 371:


Fig. 372.


Fig. 375.

RECEIVERS, Fig. 365.
Half pint
Pint.
toppered, each.

Plain, each.
$\$ 045$
60
$\$ 035$
50
Quart................................................................... . . 75
Half gallon.................................................................. . . . 100
Gallon.................................................................. 125
60

Gallon
-
Half pint....... ......................... ........................... . 45
Pint.................................................................. 60.50
Quart...................................................................... . . 75 60
Half gallon............................................................. 100.10.
Gallon . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 125100
RODS, glass, stirring, assorted sizes..............................................er doz 100 TEST GLASSES, Conical.

2 oz., price, without covers, Fig. 383 ............................................ 30
4 oz., " " ".................................................. 35
6 oz., " " ".................................................. 40
100
RETORTS, glass, Fig. 366.
$\qquad$

CHEMICAL GLASSWARE AND APPARATUS.


Fig. 380.


Fig. 381.


Fig. 382.


Fig. 383.


Fig. 384.

TEST TUBES, plain, graduated and on foot, see page 973 . TEST TUBE HOLDERS, Racks and Brushes, see page 973.


Fig. 390.

TUBING, Glass,small sizes, half in. or under, lb.. $\$ 060$ Large sizes, over half in.,
$1 b$ 50
In ordering glass tubing, please state whether inside or outside measurements are wanted, according to millimeter scale.
TUBING, RUBBER.
See Page 724.

WASH BOTTLE, complete, with flexible exit tube, Fig. 375.....................pt $\$ 060$ WOULFE BOTTLES, Fig. 354.


## DISPENSING SUPPLIES AND DRUG SUNDRIES.



Fig. 285. Antique Oak Box Counter Scale.
SCALE, Fine finished Antique Oak Box, with engraving and dial, Tennessee Marble Top, Nickel-plated Pans.
Diam. of pans, 8 inches; capacity, 15 lbs


Fig. 286. Ebony Box Scale.
SCALE, Ebony Box with Gold Lines and Dial, Marble Top, Nickel-plated Pans.
Diam. of pans, 8 inches; capacity, 15 lbs..................................... $\$ 1100$
Diam. of pans, 9 inches; capacity, 25 lbs.................................... 1200


Fig. 287. Cherry Box Scale.
SCALE, Fineìy finished Cherry Box, with engraving and dial, Tennessee Marble
Top, Nickel-plated Pans.
No. 2 diam. of pans, 8 inches; capacity, 15 lbs............................... $\$ 1100$
No. 3 diam. of pans, 9 inches; capacity, 25 lbs........................... . 1200

## DISPENSING SUPPLIES AND DRUG SUNDRIES.



SCALE, Ash Box, Variegated Marble Top, Glass Dial, and Nickel-plated Pans.
No. 1. diam. of pans, 8 inches; capacity, 20 lbs .


Fig. 289. Robervahl Scales.
SCALE, neatly ornamented in gold lines; heavy brass pans and brass indicator.
No. 2, size of pan, 9 inches; capacity, 15 lbs................................ $\$ 750$



Fig. 290.
Lake Side Box Prescription Scale.


Fig. 291.
Army Prescription Scale.

LAKESIDE BOX PRESCRIPTION SCALE, box made of Ash, Variegated

## DISPENSING SUPPLIES AND DRUG SUNDRIES.



Fig. 307. Ebony Box Prescription Scale.
French Polished Ebony Box, with Marble Top and hinged glass cover, nickel-plated pans; sensible to $\frac{1}{30}$ of a grain.
No. 2. Diameter of pans, $23 / 4 \mathrm{in}$., with
drawer for weights.............. $\$ 1200$
No. 3. Diameter of pans, $3 \frac{3}{4}$ in., with
drawer for weights............. $\$ 1275$
No. 1 has countersunk basin to hold weights in.


Fig. 310. Hand Scales.
5-inch beam, 75 c .


Fig. 312. Metric Weights.
In round Polished Wood Box with Pincet.
50 grain to 1 centigram..... $\$ 175$ $20^{\circ}$ " 1 ". ... 100


Fig. 308. Fairbank's Prescription Scales.

Japanned Base and nickelplated beam................. $\$ 425$ Nickel-plated base and beam. . 900


Fig. 309. Fitch's Pocket Prescription Scales, 75 c .


Fig. 311. Block Weights.
Nickel-plated Royal, Imperial and Antique Oak, in elegant designed and finished cherry block.
2 lb . to $1 / 4 \mathrm{oz}$. Nickel-plated... $\$ 475$


Fig. 313. Coin Weights. 2 drachms to $1 / 2$ grain; Set, $\$ 030$ 1/2 oz. to $1 / 2$ grain........ "، 50
1 oz . to $1 / 2$ " $\ldots . .$. " 75

2 oz . to $1 / 2$ " ....... " 100

## DISPENSING SUPPLIES AND DRUG SUNDRIES.



Fig. 320. GRAIN WEIGHTS.
In mahogany box, with pincet. Specially adapted for dispensing purposes. 300 grain piece to $1-10$ grain, $\$ 1.75$.


Fig. 321. Aluminum grain weights. 5 grains to $1 / 4$ grain, set 30 c .

NEST WEIGHTS.

SCOOPS. Horn, small.......................................... per doz \$0
" medium. . . . . . . . . . . . . . . . . . . . . . . . . . . per doz
" large per doz


SUPPOSITORY MOULDS, plain folding.
Parker's "Common Sense"
Rectal, (in tin frame) 6 moulds, Fig. 33150
90
Vaginal ..... 85" " 12 "150


Fig. 331.


Fig. 332.

TAPE MEASURES. See page 965.
TWINES. Cotton, Sea-Island; assorted colors per lb ..... 40
pink per lb ..... 40
Hemp, coarse per lb ..... 30
Linen, pink per lb ..... 65
86 red, spools. .per spool ..... 20
TWINE HOLDERS.
Iron, enameled each ..... 50
Brass, nickel-plated each ..... 125
Glass ..... 60

## DISPENSING SUPPLIES AND DRUG SUNDRIES

Alcohol Lamps, glass, 2 oz., Fig. 340 ..... each $\$ 025$
" " " 4 ' ..... each ..... 35
" Stoves, brass, plain ..... each ..... 20
" " best quality .each ..... 50


Fig. 205.


Fig. 206.


Fig. 207.


Fig. 208.
BOTTLES. Shelf. Per Doz.
Tinctures, Fig. 207, 1 oz ..... $\$ 060$
2 oz ..... 75
4 oz ..... 90
8 oz ..... 105
16 oz ..... 120
32 oz ..... 135
Half gallon ..... 240
One gallon. ..... 360
Salt Mouths, Fig. 206, 1 oz ..... 75
2 oz ..... 90
4 oz ..... 105
8 oz ..... 135
16 oz ..... 150
32 oz ..... 195
Half gallon ..... 300
One gallon ..... 480

## DISPENSING SUPPLIES AND DRUG SUNDRIES.

## BOTTLES, Shelf.

Syrups, made with loose stoppers, to obviate the difficulty of stoppers sticking, Fig. 20〕.
Pint. ..... \$1 50
Quart. ..... 200
Half Gallon ..... 300
Balsam or Oil, Fig. 208.The great advantage of these bottles is, that instead of the liquor running over theoutside, it is caught in a cup, and returns through an aperture into toe bottle, pre-venting all waste, and keeping the bottle and shelf clean.
Pint. ..... 240
Quart ..... 300
Half gallon ..... 450


## BOTTLES. Prescription, flint.

The dozen price will becharged for less than gross lots. Prices subject to market changes.


# DISPENSING SUPPLIES AND DRUG SUNDRIES. 

TRUAX, GREENE \& CO'S MONOGRAM SQUARE VIALS. Best flint glass.
The dozen price will be charged in less than gross lots.
 PRICES FOR BOTTLES WASHED, COREED AND WRAPPED.


For the convenience of physicians we have these vials well washed, corked with the best corks and wrapped with light manilla paper. The advantage of using these will be readily seen, for not only are the bottles always ready for use, with corks fitted, but a wrapper is supplied which can be used to re-wrap the vial after being filled and labeled. We supply to order gummed labels, printed with physician's name and address. See label page.

BOTTLES, Prescription, flint, Blake, Tall.
The dozen price will be charged in less than gross lots.
Per gross Per gross Per dozen
in full cases. in less than full cases. in less than full cases.

1 " 5 " " " .... 1 50................. 1 70............................. 16



$\begin{array}{lllllll}6 & 6 & 1 & 6 & 6 & \ldots & 00 \ldots \ldots\end{array}$




## HOMGEOPATEIC VIALS.

VIALS-HOMCEOPATHIC, flint, patent lip, heavy tubes:
$1 / 4$ drachm, 1 gross in box, per gross. . . . . . . . . . . . . . . . . . . . . . . . $\$ 0$ 70
$1 / 2$ " 1 " 6 ". . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 70






## DISPENSING SUPPLIES AND DRUG SUNDRIES.

BOTTLES-Nickel-plated screw cap,Fig. 215.
$\begin{array}{ll}1 \text { drachm, doz } \\ 2 & \text { " }\end{array}$
2 " "................................................................... 25
3 ، " ........................................................................ 36
4 " "
35

S. 3 drachm.

8. 2 drachm.

S. 1 drachm, S. $1 / 2$ drachm. S. $1 / 4$ drachm. Fig. 215.

SCALE OF MILLLMETERS-In ordering case vials, please specify diameter and length, according to scale below.



Fig. 220.


Fig. 222.


Fig. 224.

BOXES, Pill, paper, common red, nested, 4 sizes in nest, 12 nests or $1 / 3$ gross in paper, Fig. 220

## DISPENSING SUPPLIES AND DRUG SUNDRIES.

BOXES, Pill, paper, No. 5, same as Fig. 224, holding about 2 doz. granules,

$$
1 \text { gross in box..........................................gross... \$0 } 50
$$

No. 6, same as Fig. 224, holding about 1 doz. 3 grain pills, 1 gross in box...................................gross60

" " No, 7, same as Fig. 224, holding about 2 dozen 3 grain $\quad$ pills, 1 gross in box...................................... $\quad 75$

". " No. 8, same as Fig. 224, holding about 3 dozen 3 grain | pills, 1 gross in box.......................................... |
| :--- |

" " French Edges, small, Fig. 222, 1 gross in box......gross 65 " " " " medium, Fig. 222, 1 gross in box...gross 75 " " " " large, Fig. 222, 1 gross in box......gross 85 " " Nested, same above, $1 / 4$ gross in paper.............gross 75


Fig. 226.


Fig. 229.

BOXES, Powder, slide, small, Fig, 226. $\qquad$ gross $\$ 080$
medium, .gross 90 ". " large, " " nested, " " gross 100 gross 90 BOXES, Tin, for ointment, pieced, 1 oz .per 100

| " | " | " | 2 oz |  |
| :---: | :---: | :---: | :---: | :---: |
| " | ، | " | 3 oz |  |
| " | " | " | 4 oz |  |
| " | " | " | 8 oz | 25 | " " seamless, Fig. 229, 1 dr 1/4 oz................................... 100 35

" " " " $1 / 2$ oz...............................per 10050
$66 \quad 66$
$66 \quad 66$ $66 \quad 66 \quad 66$ 6666

1 oz .per 10065

2 oz
. per $100 \quad 100$


BOXES, Wood, turned, Fig. 230, 1/4 oz.............................................................. 35

" 1 oz............................................................. 70
" 2 oz....................................................................... 100

" 4 oz........................................................... 165
CHAMOIS SKINS.


CORKS X or Common.
$\begin{array}{lllll}\text { No. } 3,5 \text { gross in sack, per sack. } \$ & 37 & \text { In less quantities, per gross } & 10 \\ \text { No. } 4 \ldots \ldots \ldots \ldots \ldots . . & \text { " } & 45 & \ldots \ldots \ldots \ldots \ldots \ldots \text { per gross } & 12 \\ \text { No. } 5 \ldots \ldots \ldots \ldots \ldots . & " & 58 & \ldots \ldots \ldots \ldots \ldots . . \ldots \text { per gross } & 15\end{array}$

## DISPENSING SUPPLIES AND DRUG SUNDRIES.

## CORKS, X or Common.



Sizes of Corks.


Order by Number.


## CORKS, XX Selected.



CORKS-Rubber.

| No. 7. | per doz | 08 | No. $61 / 2$ | per doz | 98 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| No. 6. | "، | 06 | No. $51 / 2$ | per doz | 10 |
| No. 5. | " | 10 | No. $41 / 2$ | per doz | 13 |
| No. 4 | " | 13 | No. 31/2 | per doz | 16 |
| No. 3. | " | 18 | No. 21/2 | per doz | 25 |
| No. 2. | " | 30 | No. 1 | per doz | 45 |

## DISPENSING SUPPLIES AND DRUG SUNDRIES.



Fig. 243.
Of Polished Brass, with Handle and Sharp Edges, six inches long.
CORK BORERS, in sets of six pieces, from $\frac{1}{8}$ to $\frac{13}{3} \frac{3}{2}$ inch in diameter, Fig. 243, set $\$ 150$ In sets of 12 pieces, from $\frac{1}{8}$ to $\frac{11}{16}$ inch in diameter....................... set 350
Diameter of sets, $6-\frac{1}{8}, \frac{3}{16}, \frac{1}{4}, \frac{5}{16} \frac{3}{8}, \frac{13}{3}$; $12-\frac{7}{16}, \frac{15}{3}, \frac{1}{2}, \frac{9}{16}, \frac{5}{8} \cdot \frac{11}{16}$ inch.


Fig. 244.


Fig. 249.
CORK PRESSES, Rotating, Fig. 244 $\qquad$ .each $\$ 075$
Lever, Fig. 251
.each
30
CORKSCREWS, Common, wood handle, each 10c.to
Common, wire, pocket folding each 20 c .to
Hard rubber, pocket folding, Fig.247, each 25


Fig. 251.

50 ENVELOPES, Drug, for powders, white, No. 1............................

|  | " | '6 | 2.................... " | " | 70 |
| :---: | :---: | :---: | :---: | :---: | :---: |



Fig. 252.


Fig. 253.


Fig. 258.

FLASKS, Pocket, leather covered, metal screwtop and metal cup, Fig. 252.



Fig. 259.

## DISPENSING SUPPLIES AND DRUG SUNDRIES.

FILTER PAPER, Gray, round, 6 inch......quire\$0 08
" " " 10 inch......quire 10
"، " " 13 inch......quire 13
FILTER RACKS, Fig. 253, squeezers.
5 inch
each
7 inch
9 inch
each 45

FILTER STAND, Three ring. each 60

$$
\text { Four ring. Fig. } 260 .
$$ each 75 .each 100 Plain. Ribbed.

FUNNELS, Glass, 1 oz., Fig 259.. each \$0 08
Glass, 2 oz .
each 10
" 4 oz..............each 12
" 8 oz................each 15
" 16 oz...............each 20
" 32 oz...............each 25
Half gallon..............each 35 each 45
GRadUATES, Minim. each 20
1/3 oz
each \$0 15


Fig. 260.

1 oz
each $\$ 015$
each 20
each 25
each 35

2 oz
3 oz..................................................................................each 25
4 oz...................................................................................... 30
6 oz...................................................................................... 35
8 oz., Fig. 258. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . each 40
Pints . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .each 60
Quarts ..........................................................................each 100
Double Scale, Ounces on one side and cubic centimeters on the other.
1 oz. and 30 cubic centimeters
each 25

4 ، 4120 ، 6 .....................................................each 45

16 " 600 ، 6 ..............................................each 90


Fig. 262.


Fig. 268.


## JARS, Earthern, white, flat top, Fig. 263.



## DISPENSING SUPPLIES AND DRUG SUNDRIES.

Jars, Glass, with wood cover, Fig. 265.
1/4 oz. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . doz ..... 30
$1 / 2 \mathrm{OZ}$ ..... doz ..... 35
1 oz doz ..... 40
2 oz ..... doz ..... 50
4 oz doz ..... 65
Glass, with nickel-plated screw cover, Fig. 262.
$1 / 4 \mathrm{oz}$ ..... doz ..... 35
$1 / 2 \mathrm{oz}$ doz ..... 40
1 oz .doz ..... 50
2 oz ..... doz ..... 60
4 oz doz ..... 85


Fig. 270.
KNIFE, Physicians', 3 blades and spatula, pearl handle, Fig. 270.............. $\$ 125$
LABELS, Drug, for dispensing bottles, in books, assorted
book

## Dispensing. See sample page.

Glass, for furniture bottles, assorted each 9c. to12
" Imitation, samples sent on application. .each ..... 06
The prices given are for loose labels-an additional charge will be madefor attaching.


Fig. 274.


Fig. 275.


Fig. 276.

MORTARS, Glass, Fig. 274. Prices vary according to weight.

 4 oz.............................................................................................. 35
8 oz................................................................................... ${ }^{\text {about }} 40$
16 oz................................................................................... ${ }^{2} 75$
32 oz............................................................................... about
100

## DISPENSING SUPPLIES AND DRUG SUNDRIES.

こORTARS,
Iron, half pint, Fig. 275 ..... each \$0 35
Pint ..... each ..... each ..... 45 ..... 45
Quart ..... each 60
Half gallon ..... each 85One gallon
Porcelain.
2 oz each ..... 35each 135
4 oz. each ..... 60
8 oz each ..... 80
16 oz
each ..... 115
32 oz each ..... 75 ..... 75
Wedgewood, Fig. 276.
No. 0000,3 inches across top, 2 ounces. each ..... 25
No. $000,31 / 4$
No. $000,31 / 4$ ..... 3 ..... 3
No. 00, 31/2
No. 00, 31/2 ..... 6
No. 0,4 ..... 4011
each
No. 1, 41/2 ..... 16
No. 2, 5 " ..... each 55
24
No. 3, each 65
30
No. 4, 61/2 " ..... each 80
No. 5,40
No. 6, 8 ..... 48 ..... each 125each 100
No. 7, 81/2 " $31 / 2$ pints ..... each 160
No. 8, 91⁄2 $41 / 2$ each 200
No. 9, 101/3 ..... 7
each ..... 240
No. 10,12 ..... 10
each ..... 275
No. 11,13 ..... 13 ..... $\begin{array}{lll}\text { each } & 3 & 25 \\ \text { each } & 3 & 60\end{array}$
No. 12,14 ..... 17
PAPER, Powder, pink or white, in packages of 1,000 sheets.
No. A, size 2 x 3 per package ..... 12
No. B, " $2 \frac{1}{2} \times 3 \times 1 / 4$ per package ..... 17
No. C, " $21 / 2 \times 3 \times 1 / 2$ per package per package ..... 17 ..... 17
No. D, " $29 / 4 \times 38 / 4$
per package
per package ..... 20 ..... 20
No. $E$, " 3 x4 per package ..... 25
No. F, " $311 / 4 \times 31 / 4$ per package ..... 25
No. G, " $31 / 2 \times 33 / 4$ per package ..... 30 ..... 30
PAPER BAGS, Manilla.
per hundred
per hundred ..... 12 ..... 12
$1 / 4 \mathrm{lb}$
$1 / 4 \mathrm{lb}$ ..... 14
per hundred
per hundred
$1 / 2 \mathrm{lb}$
$1 / 2 \mathrm{lb}$
per hundred
per hundred ..... 18
$11 / 2 \mathrm{lb}$ per hundred ..... 20
2 lb . per hundred ..... 25
3 lb per hundred ..... 30
4 lb per hundred ..... 35
5 lb per hundred ..... 40

## DISPENSING SUPPLIES AND DRUG SUNDRIES.

PAPER, WRAPPING, Manilla or white.


PAPER ROLL CUTTER.

Fig. 282.
Japan and hardwood finish, all sizes, 6 to 36 inches................................each
High pyramid, three sizes in one rack. ....... 450
Flat " " " " two high 450
Double " two high........................ 300 Nickel plating, 50 cents extra, each machine.


Fig. 280.


Fig. 284. PERCOLATORS.
Glass, Conical, Pints, Fig. 280
each $\$ 030$
" " Quarts..................................................each 40
" " One-half gallon...............................................each 50
"، One gallon......................................................each 75
Two gallons. ..................................................each 125
PILL MACHINES, Brass, side rollers.
To cut 18 pills, 3 grains............................................................................................... 425
PILL TILES, porcelain, Fig. 284.

POWDER FOLDERS, Fig.

## DISPENSING SUPPLIES AND DRUG SUNDRIES.



Fig. 32\%.
SPATULAS, solid steel, nickel plated. Fig. $32 \%$.
3 inch
each $\$ 030$
4 inch each 35

6 inch each 45

8 inch
.each65

10 inch
each


Fig. 328.
Cocoa Handle, Riveted.



Fig. 330.

## Folding Ivory Handle, Fig. 330. <br> each \$0 75 <br> CHEMICAL GLASSWARE AND APPARATUS.

## ALCOHOL LAMPS, Fig. 340, with burner and ground glass cap; 2 oz......each <br> 25

 ..... 35
doz
BEAKERS, 1 oz., Fig. 345
2 oz . ..... doz ..... doz ..... 00 ..... 00 ..... 15
4 oz ..... 175doz
8 ozdoz
10 oz ..... 300
nest
nest
Nested, Fig. 345, 2 to 10 oz ., 5 in nest ..... 85 ..... 85 ..... 50
GLASSES, Short, Fig. 341, 4 inches in diameter
each
each
6 inches in diameter ..... each ..... 115
8 ..... 35
each
each
Tall, 1/2 pint. each ..... 50
1 pint. each ..... 65
2 pint ..... 110
4 pint
4 pint
4 pint ..... 75
BLOW PIPES, Jewelers' form ..... each ..... 20

## CHEMICAL GLASSWARE AND APPARATUS.



Fig. 340.


Fig. 341.


Fig. 342


Fig. 343.


Fig. 344.


Fig. 345.

BOTTLES, Acid, long stop, Fig. 342.............................................each $\$ 0$. . 50
Chloroform or Ether, glass stops and glass caps, Fig. 343.
One-fourth pint.............................................................. . each
Half pint.......................................................................each 90
Pint............................................................................each BURETTES, Mohr's, graduated in one-fifths, Fig. 351.

> 25 c. c. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . each
> 140

100 c. с...........................................................................each 340
Same, with stop cock. Fig. 352.
25 c. e
50 c. c.
each
100 c. c .each

325
TTE HOLDERS, for 6 Burettes. each 425 BURETTE HOLDERS, for 6 Burettes. .................................................each 400 CRUCIBLES............................................................................. . . . . . . . . . . . . 10 c to 50


## CHEMICAL GLASSWARE AND APPARATUS.

EVAPORATING DISHES, Porcelain, with lip, Fig. 360.1 oz .each ..... $\$ 020$
2 oz .each ..... 25
4 oz ..... each ..... 35
8 oz ..... each ..... 45
16 oz ..... each ..... 60
32 oz ..... each ..... 85
1/2 gal each ..... 125
Glass, see page 973.
FLASKS, Chemical, best Bohemian, round or flat bottom.
4 oz., Fig. 353 ..... each ..... 18
8 oz ..... each ..... 20
16 oz ..... each ..... 25
32 oz ..... each ..... 35
1/2 gal each ..... 55
1 gal each ..... 85


Bottle Dropper, 25c.
Fig. 360.

## HYDROMETERS, Acid

 .each $\$ 050$Coal oil..each50Milk ..... 50
each
Spirits ..... 50 each
Syrup. ..... 50
U. S. Custom House-with thermometer each ..... 125
HYDROMETER JARS, on foot
8 inches high, Fig. 350 ..... 30
each
10 ..... 40
12 ..... 50
15 ..... 60
JARS, Philadelphia, for Ligatures, anatomical specimens, etc., Fig. 384.


## HORSE SLINGS.



Fig. 11590. Slings, complete with Tackle and Pulley Block ......................... $\$ 25.00$ ". Self-locking Pulley Block.......... 38.00
" without Tackle and Pulloy Block ............................... . . . . 20.00


Fig. 11502. Hauptner's Sling, complete, \$35.00.


Fig. 11594. Berlin Sling, $\$ 25.00$.

Orders for Slings by telegram will receive prompt attention.

## OPERATING TABLES.



Fig. 11599. Truax, Greene \& Co.'s Operating Table.

As shown in the illustration, this table offers superior advantages to any heretofore manufactured. The table is not only stronger and of better construction, but it enables the operator to haudle the heaviest of horses with ease and celerity,

## OPERATING TABLES.



Fig. 11600. Truax. Greene © Co.'s Operating Table.

In its operation, the horse is lifted from the floor or ground as soon as the table is moved. Uulike other tables in the market, the feet of the animal are not dragged for a greater or lesser distance, because the horse is carried gently and easily from a vertical to a horizontal position. The hobbles are easily adjusted and work automatically, securing the horse in a perfect, safe position, thus avoiding any danger to the operator.

The construction of half-circle cog-wheel and its attachments is such that they have a direct bearing and the machine is so easily operated that a boy can handle it.

The three heavy girths which pass around the animal are fastened at each end with a patent cam-buckle in such a manner that they will not break loose or detach while undergoing the greatest pressure. They will remain firmly in place until the return of the horse to a standing position.

The framework is constructed of heavy timbers, while the table top is of twoinch plank matched and grooved. It is covered with thick canvass nicely upholstered and presents a neat and attractive appearance.

The table top is 7 feet wide and 9 feet long.
The table may be bolted to a floor or attached to a framework fastened in the ground.

Price net. delivered F. O. B. Chicago

HOBBLES, CHLOROFORM INHALER AND OPERATING HOOD.


Fig. 11606. A. H. Baker's Casting Hobbles............................. . . . . . . . . set, $\$ 10.00$

## CLIPPERS, ETC.



Fig. 11617. Docking Shears............................................................ $\$ 8.00$ net.

## CLIPPERS.



Fig. 11620.
No. 62, O. K. Full Nickel Finish, Detachable Plates................................. $\$ 3.00$

The best Clipper made. Simplicity in construction. Finest nickel finish. Interchangeable parts.


Fig. 11622.
No. 101A. Cuts ${ }^{\frac{1}{2} 2}$ inch. ..... eạch, $\$ 3.00$
With Removable Comb, cuts $\frac{3}{16}$ or inch ..... 4.00
No. 101b. Cuts $\frac{1}{8}$ inch ..... 3.00
With Removable Comb, cuts $\frac{1}{4}$ or $\frac{5}{16}$ inch ..... 4.00

## CLIPPERS.

HAND POWER MACHINE.


Fig. 11625. No. 2 Power Ilorse Clipping Machine.
This machine is designed for a powerful, light running, hand power clipping machine, and is intended to meet the demand for a solid, well-built, durable machine of the No. 2 type. This machine can be run by hand power only, and admits the choice of handles, either vibrating or rotary, also drop or flexible shaft. Weight of machine, boxed for shipment, 178 lbs.
No. 2. Hand Power Machine, complete ..... $\$ 50.00$
No. 3. ". style of No. 2 only lighter. ..... 35.00
Extra Cutting Heads, 3 -inch. ..... 3.00 ..... 1.25
Top Plates.
Top Plates.
" Bottom Plates ..... 2.00


Fig. 11640. No. 7. The Perfect Power Horse Clipping Machine.
No. 7. Complete, with Vibrating or Rotary Handle................................. $\$ 100.00$
With Single Shaft and Handle
The above machine is furnished with one extra set of three Cutting Heads for each shaft.

Grooming Brushes furnished with this machine at $\$ 5.00$ each
This machine is designed for a power Clipping Machine, to be used in large stables where there are many horses to be clipped in a limited time. Two men can work on opposite sides of the horse at the same time.

This machine is also constructed with the idea of making it a perfect power Clipping Machine, especially adapted for turning out a large amount of work in a short time.

A fair time for clipping and grooming a horse with this machine is thirty minutes.
This machine may be run by steam, gas, water, or electric motor power. See Water Motor.

## THE ALTERNATE BUCKET WATER MOTOR.



PATENTED AUGUST 8, 1893.


#### Abstract

The cheapest in first cost. The best and most economical power for running horse cleaning and elipping machinery.

Price, S-inch Motor $\$ 35.00$


Made entirely different from others, by which from 30 to 50 per cent. better results are obtainel than from any other water motor made.

As shown in lower cut, the buckets are placel alternately on the periphery of the wheel, aud are so shaped that the water after striking
 them is shunted to the sitles and does not dash back agaiust the following buckets and retard their motion. All other motois are subject to this retarding action, because the buckets or paddles are placed in a continuous line, and the back action of the water causes a vast amount of lost power. The power developed with our motor is all the way from 1-16 to 10 horse, depending apon the pressure of the water, size of jet, and other conditions. 'These vary so much in this country that we do not give a detailed list of our motors with pices. If intending to put in any power, or you desire to change your present motive power, and have water power in your city, please address us, giving particulars in reference to machines you wish to operate; also the water pressure at your place of business (this you can easily obtain from your water office superintendent), and other information which you think uecessary, and on receipt of such information we will inform you of the size and price of motor necessary to do your work.

We are rapidly displacing motors of other makes with the "Alternate" on account of the additional power developed by ours under same couditions, and can refer you to any of them to bear out our assertions. Correspondence solicited.

WESTERN LEATHER MFG. CO.,
S1 Illinois Street, Chicago.
Sole Manufacturers.
ORDERS MAY BE SENT TO CHAS. TRUAX, GREENE \& CO.

## BATTERIES.



McIntosh Family Faradic Battery, net price
McIntosh Physicians' Faradic Battery, net price

## A COMBINED GALVANIC AND FARADIC BATTERY.



Consists of two distinct batteries inclosed in one case, for convenience in carrying.

A combined battery should be light in weight, so that it can be comfortably handled.

It should be simple in construction, so that those not gifted with mechanical training can understand how to manage it.

It should be easily cleaned and kept in order, so that it may be intrusted to an unskilledattendant for charging, cleaning and recharging.
It should consist of two distinct instruments in onè case, so that each battery can be used the same length of time without recharging, which is not the case when the same cells must provide both kinds of electricity.

## COMBINED GALVANIC AND FARADIC BATTERY.

Prices

## BATTERIES.



TRUAX, GREENE \& CO.'S

Actual
CAUTERY STORAGE BATTERY.

Write for Prices and Description.

## THE FEDDERN CAUTERY BATTERY.

This Battery is far superior to any of the cheap Cautery Batteries in the
 market, besides being lower in price.

In addition to the Cautery Electrodes we supply a small electric lamp, which will be found invaluable for illuminating any of the cavities of the body.

Price of Battery with Conducting Cords, Universal Handles with interrupting button, one Cautery Point, one Cautery Curette, and one Cautery Knife:
Net.............. . $\$ 18.00$
Electric Lamp,
extra...........

## BATTERIES.

## DAVIS \& KIDDER'S ELECTRIC MACHINE.



Price

## NONPAREIL NO. 1. A THREE-CURRENT FARATIC BATTERY.



Size, $5 \frac{1}{2} \times 5 \frac{1}{4} \times 5 \frac{1}{4}$.
The merits of this battery will be easily appreciated, as possessing neatness of design, simplicity of operation, and superiority of material, workmanship, and the production of a pleasant and uniform electric current, both mild and powerful. These qualities have heretofore only been found to exist in expensive and unnecessarily complicated machines.
$\qquad$

## TRUAX, GREENE \& CO'S MICROSCOPES.



## THE PRACTITIONER'S MICROSCOPE, NO. 2.

Price, with one eye-piece, in case, no objective
Price, with one eye-piece, in case, one-fourth, one-half and one-inch Student's Dividing Object2800 ive, giving 100, 200 and 400 diameters This microscope is designed to meet the wants of schools, colleges, and those who need a wellmade instrument atalow price. Height with draw-tube closed, 1116 inches; draw-tube open, 14 inches. The base, arm and pillars are neatly japanned; the arm is securely held between two pillars by a strong steel pinion, which allows the inclination of the body at an angle.

The body tube is large (one and three-eighths inches diameter), and carries the draw-tube (one and one-fourth inches inside diameter), which holds the eye-piece.

The sub-stage ring carries an adjustable diaphragm. All accessories can be used on this stand without any change. It has a mirror-bar, carrying plane and concave mirror, which may beswung abore the stage for the illumination of opaque objects.

The coarse adjustment is by means of a sliding tube, which gives a smooth and firm movement. The fine adjustment is delicate, and will do the woriz of the finest instrument.

TRUAX, GREENE \& CO'S MICROSCOPES.


## THE PRACTITIONER'S MICROSCOPE, No. 1.

Price, with one eye-piece, in case, no objective
Price, with one eye-piece, one-fourth, one-half and one inch Student's
Dividing Objective, giving 100, 200 and 400 diameters................ 3300
Price, with one-fourth and one inch Gundlach's Dividing Objective,
giving 100 and 400 diameters
3700
This microscope is constructed after the same model as our Practitioner's No. 2is the same size, and the working parts are the same, with the addition of a rack and pinion movement of long range for coarse adjustment, which works perfectly smooth and steady.

We believe there is no microscope on the market for the above price that will compare with this instrument.


THE MEDICAL MICROSCOPE, No. 2.
Price, with one eye-piece (no objective) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 3500$ Price, " "" " and $1 / 4$ and 1 inch Dividing Objective.................... 4700 Price, ". " one $1 / 4$ and 1 inch Dividing Objective, also one $1 / 8$ inch

Objective, giving 100, 400 and 800 diameters................................ 6500
Our Medical Microscope No. 2 is designed to meet the wants of those who need a moderate priced, substantial and accurately working instrument. It is especially adapted to the physician in his clinical work. The base and arm are finely japanned; the pillar is made of lacquered brass, and the joint has strong steel bearings. The body tube is $68 / 4$ inches long, and $13 / 8$ inches in diameter, and is provided with the society screw. The draw tube is nickel-plated, 6 inches in length, with an inside diameter $18 / 4$ inches. The coarse adjustment is marle with rack and pinion of long range, which works perfectly smooth. The fine adjustment is made with a milled head screw, which moves the entire body, and is capable of focusing the highest powers. It has a circular rotating stage, $3 \frac{3}{4}$ inches in diameter, blackened to cutoff

## TRUAX, GREENE \& CO'S MICROSCOPES.

reflection; a movable sub-stage ring and diaphragm. The mirror is plane on one surface, concave on the other, and slides on a radial arm which can be swung in a circle above the stage for the illumination of opaque objects. The stand with drav tube closed is 14 inches high, and is furnished packed in a nicely finished mahogany case, with drawer, lock and handle.


MEDICAL MICROSCOPE, No. 1.
Price, with one eye-piece (without Objective) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . $\$ 4500$ Price, " " " and $2 / 4$ and 1 inch Dividing Objective............................... 5700 Price, "" ". one $1 / 4$ and 1 inch Dividing Objective, also one $1 / 8$ inch

Objective, giving 100, 400 and 800 diameters ................................. . . 7500
This microscope is constructed after the same model as our Medical No. 2 and has the same working parts. It differs from it in being more finely finished, and having the base and arm of lacquered brass instead of being japanned.

## BAUSCH \& LOMB OPTICAL CO. MICROSCOPES.

The tripod base, pillars and arm are neatly japanned, coarse adjustment is by rack and pinion, fine adjustment by delicate micrometer screw. The stage is of brass; attached to its lower surface is a sub-stage ring carrying dome diaphragm. Main tube has cloth lining in which graduated draw-tube is fitted; mirrors are plane and concave and adjustable on the mirror base.

Polished cherry-wood case accompanies each outfit.


F-Model Microscope. (Cut one-third of actual size.)
F. Stand with 1 eye-piece (any power), no objectives
$\$ 2500$
F1. Stand with 1 eye-piece and $8 / 4$ in. and $\frac{1}{5}$ in. objectives, $+70+400$ diam..... 4800
F2. Stand with 1 eye-piece and $2 \mathrm{in} ., 8 / 4 \mathrm{in}$. and $\frac{1}{5}$ in. objectives, $+35+70+400$ diam.

5400
F3. Stand with 2 eye-pieces and $3 / 4 \mathrm{in}$. and $\frac{1}{5}$ in. objectives, +50 to +400 diam.. 5200
F4. Stand with 2 eye-pieces and 2 in., $3 / 4 \mathrm{in}$. and $\frac{1}{5}$ in. objectives, +25 to 400 diam 5800
F5. Stand with 2 eye-pieces and $\frac{8}{4} \mathrm{in}$, $\frac{1}{8} \mathrm{in}$. and $\frac{1}{1} \frac{1}{2} \mathrm{in}$. oil immersion, objectives, +50 to $+1,200$ diam.

9700
F6. Stand with 2 eye-pieces and 2 in., $8 / 4$ in., $\frac{1}{5}$ in. and $\frac{1}{2}$ in. oil immersion, objectives, +25 to $+1,200$ diam.

10300
Revolving stage, with removable spring clips, extra.................................. 500
Glass stage with slide carrier, which slips over either plain or revolving stages, extra
Graduated mirror bar, with mirror and sub-stage (both adjustable), in place of one accompanying stand, extra. ..... 500
Abbe condenser, 1.20 N . A., in mounting, with iris diaphragm, extra ..... 1400
Abbe condenser, 1.42 N. A., in mounting, ..... 1600
Mechanical stage, in place of the regular, extra. ..... 1800
Double nose-piece, brass finish, extra ..... 500
Triple nose-piece, brass finish, extra ..... 900
Complete illustrated catalogue (13th edition) mailed free to any address; sond for it; contains matter of much interest to physicians.

## LEITZ MICROSCOPES.



LEITZ' STAND, I-a.
No. 5. Large Microscope, briefly described as follows: Inclinable, with fixe. stage, coarse adjustment by rack and pinion; fine adjustment by micrometer screv., with graduated head; draw tube with millimeter scale. The accessories are:

Abbe condenser, rack and pinion movement, with iris diaphragm.
Triple nose-piece.
Three eye-pieces.
Three objectives, viz.: 1 inch, $\frac{1}{9}$ inch, and oil immersion $\frac{1}{12}$ inch. Magnification from 57 to 850 diameters.
Price, in umright polished wood case...................................................
We will import Leitz Microscopes for colleges and hospitals, duty free.

## MICROSCOPIC CABINETS.



Fig. 500. Portable Mahogany Cabinet, for 72 objects, $\$ 325$.
BOXES, mailing, wood, to hold 1 object . . . . . . . . . . . . . . . . per doz. $\$ 060$ each $\$ 006$


CABINETS; holding 24 objects, with cardboard sliding cover ............. " " 75
" 24 " white wood.............................. ". " 100
" 36 " 6 ................................. " 150
" 48 ، 6 .............................. 6 " 75
" 60 " 6 .................................. " 200


Portable, 12 trays, holding 72 objects, mahogany, Fig. $500 \ldots .$. . " 325
Same, for 36 objects. ..................................................... ". 200


Fig. 502. Pillsbury's Cabinet for 200 objects, 8300.
CABINETS, Pillsbury's, holding 10 boxes for 200 slides, Fig. 502 ...........each $\$ 300$
" $6 \quad 20$ " 500 "......... " 400
The Pillsbury Cabinet consists of a finely polished cherry case, containing ten or twtney boxes, grooved on the inside, to receive twenty-five slides each, and provided with a lock. When the boxes are in place in the cabinet, the slides lie horizontally, thus avoiding all liability of damage to slides in top.

The top of each box, as placed in the cabinet, is provided with an index, and on the bottom of the box, inside, is a corresponding number, to show the proper location of each slide. If a cabinet is not required, the boxes may be used singly, as a simple rubber band serves to hold the cover securely in place. They are of plain white wood, neatly finished.

MICROSCOPIC INSTRUMENTS.
DISSECTING AND MOUNTING INSTRUMENTS.



Fig, 481. Curved Dissecting
Forceps, Steel,
Forceps, Steel, Forceps, Steel, Best, $\$ 1.00$

Fig. 482. Bestr 75 c .

Fig. 481. Double Section Lifter, 50 c .
 Fig. 483.

Angular.
Dissecting Scissors, each 50 c to. 75 c .

Curved.

## MICROSCOPIC INSTRUMENTS.



Fig. 469. Triple Nose-Piece, Angular. . $\$ 900$


Fig. 461. Two System Condenser in Case $\ldots \ldots . . . . . \$ 800$


Fig. 462. Three System Condenser in Case.. ........... $\$ 1000$


Fig. 463. Plain Camera Lucida, $\$ 150$


Fig. 467. Iris Diaphragm with Condenser Mounting......... $\$ 600$


## MICROSCOPIC INSTRUMENTS.



Fig. 49\%. Globes or covers for microscopes For sizes and prices see page 544.

Fig. 493. Student's Microtome in Cherry Case ...... .................. $\$ 1800$


Fig. 495. Griffith's Turn Table, Self Centering
$\$ 700$


Fig. 496. Turn Table, Plain.

## MAGNIFYING GLASSES.



## MAGNIFIERS.



MAGNIFIERS, Metal frame and handle (reading glasses).
Glass $11 / 2$ inch diameter, Fig. 510..........each, $\$ 050$
" 2 " " $\ldots \ldots . . . . . . . .$. " 60

| " | $21 / 2$ | " | " | $\ldots \ldots \ldots \ldots \ldots \ldots$ | " |  | 90 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $"$ | 3 | " | " | $\ldots \ldots \ldots \ldots \ldots \ldots \ldots$ | " | 1 | 35 |
| $"$ | 4 | " | " | $\ldots \ldots \ldots \ldots \ldots \ldots$ | " | 2 | 50 |
| $"$ | 5 | " | " | $\ldots \ldots \ldots \ldots \ldots \ldots$ | " | 4 | 50 |
| " | 6 | " | " | $\ldots \ldots \ldots \ldots \ldots$. | " | 8 | 00 |



Fig. 508. Folding Magnifier, 40c.

## MICROSCOPIC ACCESSORIES.

ADAPTER,
For foreign objectives ..... $\$ 100$
For fitting objectives in sub-stage ..... 100
With centering adjustment ..... 500
AMPLIFIER, achromatic, in brass box ..... 750
CAMERA LUCIDA, double prism, may be used in an upright or inclined posi- tion ..... 750
Improved Abbe ..... 1000
Plain Fig. 463. ..... 150
Wollaston's, for drawing an object. ..... 650
COMPRESSOR, Wenham's ..... 150
Parallel. ..... 350
CONDENSER, sub-stage Abbe 1.20 N. A. in case, Fig. 461 ..... 800
" " " 1.42 " $"$ Fig. 462 ..... 1000
" ، " 1.0 ..... 2000
Mounting, 5 stop, diaphragms and blue glass. ..... 500
with Iris diaphragm. ..... 600
CONDENSERS, on stand, $11 / 2$ inch diam. ..... 400
" $621 / 4$ " ..... 700
DARK WELL. ..... 2001000
DIAPHRAGM, Iris, with Society Screw ..... 300
(Iris), with condenser mounting, Fig. 467
Dome. ..... 200
EYE-PIECES, 1 to 5. ..... 400
FORCEPS, stage. ..... 150
Stage, on slide. ..... 200
3 prong. ..... 500
GLOBES FOR COVERING MICROSCOPES. Fig. 497.
No. Diameter Height Each No. Diameter Height Each
1........ 4 in....... 6 in... \$ 60

7........ 8 in. . . . . . . 16 in ...... \$2 40
2....... 6 "...... 6 "... 75 8......... $10^{\prime \prime}$. . . . . . . . 10 " ..... 225
3....... 6 "...... 8 "... 90 ..... 9......... 10 ..... 300
4........ 6 " ...... 10 " ... 150 ..... 10......... 12 ' ..... 300
$5 \ldots \ldots .8^{6} \ldots \ldots .8^{6} \ldots . .140$ 11..........12 " ..... 400
6...... 8 " .......12 ".... 200 12
CIRCULAR GLASS BASE FOR SAME.
4 inch. . . . . . .each ..... \$ 20
10 inch. .......each ..... 65
6 ..... 25
12 ، ..... 100
8 " ..... 40
LENS, Hemispherical, mounted ..... 500
LEIBERKUHNS ..... $\$ 400$ to $5 \quad 75$
LIFE SLIDE, Holman's with cover, in box ..... 150
With syphon complete ..... 400

## MICROSCOPIC ACCESSORIES

LIVE-BOX, small ..... $\$ 200$
MICROMETER, Eye-piece ..... 100
Stage, 1-100 and 1-1000 inch ..... 150
" $1-10,1-20$ and $1-50$ " ..... 200
NOSE-PIECE, (see Adapter)
Double, Angular, Fig. 468 ..... 500
Triple, " Fig. 469 ..... 900
PARABOLIC REFLECTOR, Wenham's, for dark field illuminations ..... 900
POLARISCOPE, with one selenite, in morocco case ..... 1200
Complete with prisms and selenites ..... 2200
TABLE, revolving, black walnut, adjustable to height ..... 1200
TRIPLETS, achromatic $1 / 2,8 / 4$ and 1 inch ..... 600
TROUGH, glass, complete, with wedge and spring ..... 250
DISSECTING, MOUNTING AND COLLECTING INSTRUMENTS.
BEAKERS, See Index
BISTOURY, sharp pointed. ..... 75
Probe, pointed ..... 75
BOTTLES for Balsam, Doty's ..... 80
Capped, for holding mounting fluids, with pipette ..... 40
Capped, with triangular stopper to prevent gumming, 1 oz ..... 35
Collecting, flat ..... 1550Collecting, round, clozen.
Dropping, with glass bulb ..... 2075
Dropping, with rubber top ..... 25
CASES of dissecting instruments. ..... $\$ 750$ to 1500
COMPRESSORS, Spring, nickel-plated ..... 40
Spring, wood. ..... 25
CUTISECTOR, Piffard's ..... 375
DROPPING TUBES. See Droppers in Index.
FORCEPS, dissecting, steel, plain ..... 40
Brass ..... 25
Cover glass, Fig. 456 ..... 60
Steel, straight, Fig. 482 ..... 75
" angular ..... 100
" curved on the flat, Fig. 483 ..... 100
GLASSES, flat ..... 85
Concave ..... 200
Watch. See Urinary Analysis.
" Syracuse, solid ..... 15 to 85
BookS, double, for dissecting ..... 50
KNIVES, brain ..... 200
Dissecting, various patterns, Fig. 479 ..... 75
Section, piain, Fig. 458 ..... 275
in morocco case. ..... 325
" " large. ..... 450

## MICROSCOPIC ACCESSORIES.

KNIVES, Section, plain, in morocco case ..... $\$ 500$
Valentine's ..... 600
KNIFE HOLDER ..... 250
LABELS, adhesive, per 100 in a box. ..... 15
LAMP, spirit, glass, fine, for mounting, 3-16 burner. ..... 75
" " " $6 \quad 1 / 4 \quad$ " ..... 90MICROTOMES. See Section Cutter.NECESSAIRE, Dr. Ranvier's.350
NEEDLES, straight or bent, Fig. 480. ..... 15
NEEDLE HOLDER, with clamp. ..... 25
PIPETTE, with rubber bulb, graduated ..... 25
Plain, with rubber bulb, straight ..... 05
PLIERS, plain05
RAZOR, for cutting sections. ..... 100
" " " flat on one side, Fig. 457 ..... 150
SAUCERS, porcelain, $21 / 2$ inches in diameter, in nest of 5 , with cover ..... 60
SCALPELS, 3 sizes. ..... 50
SECTION CUTTER, Army Medical Museum pattern. ..... 1000
Laboratory, small size ..... 4250
large ..... 5000
Students' with knife in cherry case, Fig. 493 ..... 1800
Ranvier's, plain. ..... 700
with clamp. ..... 800
With knife and carrier, Seiler's ..... 1350
SECTION LIFTER, single ..... 20
Double, Fig. 484 ..... 50
SCISSORS, dissecting, straight, Fig. 483 ..... 50
Dissecting, curved on the flat, Fig. 483 ..... 60
" knee bent, Fig. 483 ..... 75
Transplanting, Piffard's. ..... 750
SYRINGES, injecting, $1 / 8$ ounce. ..... 800
1000
TROCAR, exploring ..... 100
" with Tenaculum point ..... 185
" Duchenne's ..... 190
" Noegerath's. ..... 265
TURN TABLE, plain, Fig. 496 ..... 250
" with detachable hand rests. ..... 300
Self-centering, with hand-rests. ..... 600
Griffith's self-centering, Fig. 495 ..... 700
MOUNTING AND STAINING MEDIA.
ACID, chromil, 5 per cent solution ..... 25
Glacial Acetic. ..... 25
Osmic, 2 per cent ..... 25
Picro-sulphuric, concentrated ..... 20

## MICROSCOPIC ACCESSORIES.

ALCOHOL, absolute ..... $\$ 020$
ALCOHOLIC CARMINE, Mayer's ..... 25
ALBUMEN, Mayer's ..... 25
AMARANTH ..... 50
AMMONIA, Carmine ..... 25
ANILINE, blue ..... 20
Green ..... 20
Red. ..... 20
Violet ..... 25
ANILINE OIL, pure, for preparing bacillis ..... 25
ASPHALTUM ..... 25
Quick drying ..... 35
BALSAM, Canada, in tubes ..... 25
" benzole ..... 50
" chloroform ..... 50
" with xyol ..... 50
Damar ..... 15
BELL GLASSES ..... 50
BENZOLE, pure ..... 20
BISMARCK BROWN ..... 20
BORAX, Carmine ..... 25
BRUNSWICK BLACK ..... 25
CARBONATE OF POTASH, 3 per cent solution ..... 25
CAUSTIC POTASSA,5 per cent solution ..... 25
CEDAR OIL ..... 50
CELLS, Glass, assorted ..... 100
Block Tin ..... 20
Hard Rubber ..... 15
Atwood's ..... 30
Zylonite, transparent, assorted ..... 25
CELOIDINE, 1 oz . box ..... 125
CEMENT, Bell's ..... 50
Brown's Rubber ..... 35
White Zinc ..... 50
Amber, King's, with directions ..... 25
White, King's, with directions ..... 25
CHLORIDE, Stannon's, in Glycerine Jelly ..... 60
And Acetate of Copper ..... 25
COCHINEAL TINCTURE ..... 25
COLOPHONIUM SOLUTION ..... 15
COMPRESSOR, Holman's ..... 100
\{ No. 1, thin...............z ..... 175
CLOVER GLASSES, Circles, sizes, $1 / 2,5 / 8,3 / 4$ and $7 / 8$ No. 2, medium . . . . . . . oz ..... 125
No. 3, heavy ..........oz ..... 100
No. 1, thin..............oz ..... 165
COVER GLASSES, Square No. 2, medium . . . . . . . oz ..... 115
No. 3, heavy . . . . . . . . . oz ..... 90
DAMAR, in benzole ..... 35

## MICROSCOPIC ACCESSORIES.

DEAN'S MEDIUM ..... \$0 35
EOSIN. ..... 20
FARRENT'S MEDIUM ..... 50
Fuschine ..... 25
GELATINE, carmine, for injecting. ..... 100
GENTIAN VIOLET ..... 20
GLYCERINE, Camphorated, for delicate vegetable tissue ..... 25
Pure ..... 25
Jelly ..... 50
GLUE, Hollis' ..... 30
Marine, Hard ..... 35
" Liquid ..... 35
" Colorless. ..... 40
GOLD SIZE ..... 25
GUM AND GLYCERINE, medium ..... 25
HEMATOXYLIN ..... 20
Concentrated solution in alcohol ..... 50
HEMATOXYLIC EOSIN ..... 50
IODO-IODIDE Potassa, 3 per cent solution ..... 25
LABELS, White, round or oval per 100 ..... 10
" square, with borders per 100 ..... 25
-Gilt fronts for covering slides per 100 ..... 25
Backs per 100 ..... 25
Backs or front with holes punched, 10 cents extra per 100
MAGENTA ..... 40
Red. ..... 25
METHYLENE BLUE. ..... 20
METHYL green ..... 20
Violet. ..... 20
NAPHTHA, Pure ..... 15
NITRIC ACID, in alcohol, 3 per cent solution ..... 25
OIL CLOVES ..... 35
OSMIC ACID, 1-32 oz. or 1 gramme. ..... 200
PARAFFINE ..... 50
PHENOLPHTALINE. ..... 25
PICRO-CARMINE. ..... 25
PIPETTES, with bulb ..... 25
POT. FERROCYANIDE, with 1 per cent Acetic Acid. ..... 25
SAFFRANIN. ..... 25
SALT SOLUTION, normal ..... 15
SLIDES, Glass, $1 \times 3$, ground edges, first quality crown glass. ..... 135
" " " " patent plate. ..... gro 175
" " " " extra thin white sheet ..... gro 250
"، " " " beveled. ..... gro 300
" " " " with concave center. doz ..... 60
" "، crown, plain cut edge ..... gro ..... 65
Wooden ..... 25

## MICROSCOPIC ACCESSORIES.

SLIDES, Holman's Life.
each \$1 50
Current.................................................................each 150
Cage..................................................................each 450
Syphon................................................................each 300
SODA, Sulpho-Indigotate.............. ......................................................... 20
STAIN, Dr. Gibbs'................................................................................ . 50
Burrill's, for bacillus tub., with directions.................................. . . 35
TROUGHS, Zoophyte............................................................................ . . 250
TUBES, Drop..................................................................................... . . . 10
TURPENTINE. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 25
VESUVIN........................................................................................... . . . . 20
WHITE ZINC CEMENT........................................................................ 55
XYOL, Damar. ................................................................................... . . . 25
These media we guarantee to be of the quality best suited for microscopic purposes and put up in the neatest possible manner. Each bottle is plainly labelcd.

## MAGNIFYING GLASSES.



Fig. 510.

CODDINGTON MAGNIFYERS. Fig. 512.
$\frac{1}{2}$-inch focus, German silver mounting, each, $\$ 200$

## ACHROMATIC TRIPLETS.

$\frac{1}{2}$-inch focus, German silver mounting, each, 950

| $\frac{3}{4}$ | " | " | " | " | " | " | 9 | 50 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1 | " | . | . | " | " | " | 9 | 50 |



Fig. 512. Coddington Lenses.

## GERMAN MODELS OF ANIMALS.

## PAPIER MACHE.

These models are well calculated to facilitate the study of the auatomy and physiology of animals in veterinary colleges.

## SERIES XIX.-HORSE.

1900 Model of a horse, height 72 centimeters, copied at the Royal VeterinarySchool of Berlin, anatomically true; showing the superficial anddeeper layers of muscles and the principal vessels$\$ 157.50$
1901 Model of a horse as above, head, trunk and forefoot dismountable; intestines are removable and dismountable. ..... 202.50
1902 Model of a horse, fifth part natural size, totally dismountable; new model, ..... 101.25
1903 Heart of a horse, separable. ..... 11.25
1904 Model of the heart, most perfect execution ..... 27.00
1905 Hoof of a horse, divisible into four parts ..... 9.00
1906 Intestinal canal of a horse, schematized ..... 10.50
1907 Kidneys of a horse with Aorta and veins. ..... 9.00
1908 Braill of a horse, divisible into two parts ..... 4.05
1909 Genitals of a male horse ..... 16.20
1910 Head of a horse, median section, the exterior side with muscles. ..... 40.50
1911 Model of a head with muscles dismountable; perfect execution. ..... 112.50
1912 Left hind-leg with all possible blemishes, most perfect execution, separa- ble in many parts ..... 54.00
1913 Lungs, with heart separable ..... 54.00
All the intestines of chest and abdomen of the horse, almost natural size, very instructive preparation ..... 247.50
1.914 Horses' teeth, in nine stages. ..... 6.75

## GERMAN MODELS OF ANIMALS.

## PAPIER MACHE.

SERIES XX.-OX.

> 2000 Model of an ox, quite new; height 70 centimeters, showing the superficial muscles and most important blood-vessels. Intestines are removable and dismountable.
> $\$ 202.00$
2001 Model of an ox, fifth part of natural size, totally dismountable, new model ..... 101.25
2002 Cow's udder, separable ..... 9.00
2003 Stomach of a ruminant, separable ..... 10.80
2004 Intestinal canal of an ox (schematized) ..... 13.50
2005 Foot of an ox ..... 11.25
2006 Fcetus of a cow. ..... 10.80
2007 Feetus of a sheep ..... 10.80


Models of the Horse in various sizes. Prices from $\$ 101.25$ to $\$ 202.50$.

## Turf Goods Department

...We Sell...

## InCLanz-Owen Co.'s

## Horse=Boots「luzzles and Shields...

The latest styles, the most perfect fitting and the .very best quality of stock and workmanship.

Each style of Boot is made in three sizes: L, large; $M$, medium; S, small.

## 

The is the largest Leather Notion House in the world. They manufacture

## Lanz=Owen

 the most complete line of HorseBoots, Sole Leather Trunks, Satchels;.Company Shawl, Tourist, Trunk and many: other Straps, Gun Goods, Leggins,, Hat Boxes, Dress Suit Cases, Musical Instrument Cases. Also any kind of Sample Cases to order.

Contracts taken for any kind of Leather Goods.

ANKLE BOOTS.


Nos. 7 and 9.


Nos. 10 and 11.


No. 17.

No. 12.



No. 110.


No. 20.


Nos. 21 and 23.


No. 24.

## DESCRIPTIONS.

No. 7. Ankle Boot, felt lined, chamois bound................................. pair, $\$ 1.00$ list.


## SHIN AND ANKLE BOOTS.



Nos. 50 and 51.


Nos. 56 and 58.


## DESCRIPTIONS.

No. 50. Front Shin and Ankle Boot, felt lined, ehamois bound.........pair, $\$ 1.2 \bar{o}$ list.


## SHIN BOOTS AND SPEED CUTS.



Nos. 80 and 85.


Nos. 91 and 94.


Nos. 126 and 127.



Nos, 100 and 101.


Nos. 120 and 121.

Nos. 102 and 103.

## DESCRIPTIONS.



## KNEE BOOTS.



## DESCRIPTIONS.



QUARTER BOOTS.


No, 205.


No. 215.


Nos. 200, 201 and 202.


No. 207.


No. 206.

No. 213.


No. 222.


No. 225.


No. 224.

## DESCRIPTIONS.

No. 200. Quarter Boot, felt lined, 3 billets............................................ $\$ 2.25$ list.


## SCALPERS.




Nos. 237 and 238.


No. 234.

## DESCRIPTIONS.



## MISCELLANEOUS.



## DESCRIPTIONS.

No. 251. Poultice Boot, black leather. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . pair, $\$ 4.50$ list.
" 250. Caulking " metal coverel.2.00
" 252. Soaking " perforated felt bottom . . . . . . . . . . . . . . . . . . . . . . 3.00
" 262. Shoe Boil Roll, stuffed, canvas and leather ... . . . . . . . . . . . . . . each, 2.00
" 263. " " " all leather.......................................... " 2.75
" 280. Stallion Support, rubber. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . " 2.50
" 281. " " chamois........................................ $2 .{ }^{4}$. 2.50
". 286. Wire Muzzle with throat strap.. . . . . . . . . . . . . . . . . . . . . . . . . . . 1.67

* 290. English Leather Muzzle. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 3.00


## RUNNING BOOTS．

No． Per pair
10 Ankle，russet calf ..... $\$ 1.90$
101 Ankle，russet calf，heel extension ..... 2.10
11 $\frac{1}{2}$ Ankle，russet，soft calf ..... 1.90
12⿺辶⿸⿰𠄌⿻コ一⿱丿丶一2 Same as $11 \frac{1}{2}$ ，with heel extension ..... 2.00
18 Pastern Joint，wool lined ..... 2.50
19 Knuckler or Fetlock ..... 4.50
20 Heel and Ankle，russet calf ..... 4.50
21 Elastic Stocking，with back cord protection ..... 6.50
22 Knuokler or Fetlock，to lace ..... 4.50
23 Same as 21，without shin brace ..... 3.75
24 Elastic Stocking，with scalper ..... 6.00
27 Elastic Shin Brace ..... 2.50
60 Shin and Ankle，extra high and light，russet calf，elastic， 4 billets ..... 5.25
61 Shin and Ankle，russet calf，with elastic， 3 billets ..... 4.00
62 Front Shin and Ankle，russet calf，half cord protection ..... 5.00
63 Shin and Ankle，russet calf，pivot hinge，with elastic ..... 5.50
64 Shin and Ankle，white kersey ..... 250
65 Shin and Ankle，white kersey，with leather cup ..... 3.00
79 Shin Boot，russet calf，with elastic ..... 3.75
100 Shin，Ankle and Half Knee，russet calf ..... 5.5 n
110 Ankle and Speed－Cut，russet calf ..... 5.00
111 Ankle and Speed－Cut，russet calf ..... 5.00
112 Back Cord．russet calf ..... 5.50
125 Shin，Ankle and Hock，russet calf，with elastic ..... 7.00
128 Back Cord，russet calf，extra light ..... 4.50
129 Same as 128 ，with heel boot attachment ..... 6.00
129년 Same as 129 ，with plate ..... $7.0^{n}$
132 Same as 128，with heel and ankle attachment ..... 7.00
133 Shin，Hock，Back Cord and Heel，russet calf，extra light ..... 8.00
134 Same as 133 ，without heel attachment ..... 7.50

## DRUGS AND CHEMICALS.

The prices here quoted include containersACETANILIDoz 07, ¼ lb 17, lb \$0 60
ACID Acetic, No. s, Mallinckrodt's ..... lb 17
" C. P. ..... 30
" U. S. P ..... 20
" dilute ..... 15
" Glacial, absolute ..... 65
Arsenious, fused, pure ..... 22
powdered, pure ..... 25
Benzoic, English, from Benzoin, Merck's ..... 20
German ..... 14
from Toluol ..... 12
Boracic, Cryst., 1-1b cartons ..... 27
powdered, $1-1 \mathrm{lb}$ cartons ..... 28
" " C. P., Mallinckrodt's. ..... 63
each 100
" " C. P., Wyeth's, 1-lb bots
"، "، sprinkler-top bots ..... doz 250
Camphoric ..... 60
Carbolic, Cryst., Mallinckrodt's ..... 36
". 5 -1b cans ..... 34
"، $10-\mathrm{lb}$ cans ..... 33
". loose, Cryst ..... 20
Carbolic, Solution (for medicinal uses) 95 per cent., $\left\{\begin{array}{l}1-1 \mathrm{lb} \text { bots....... } 1 \mathrm{lb} \\ 5-1 \mathrm{~b} \text { bots.....each }\end{array}\right.$ ..... 45
Carbolic Solution (for medicinal uses), $331 / 8$ per cent., $\left\{\begin{array}{l}1-1 \mathrm{lb} \text { bots...lb } \\ 5-1 \mathrm{lb} \text { bots..each } 140 \\ 50\end{array}\right.$
" crude, for disinfecting................................................ 20 ..... 20
" Synthetical, Mallinckrodt's ..... oz 17, 1/4-lb 25, lb ..... 75
Chromic, Cryst ..... 17
Chrysophanic (Chrysarobiu) ..... 30
Citric ..... 50
Fluoric ..... 45
Formic ..... 17
Gallic ..... 12
Hydriodic ..... 42
Syrup, 1-pt bots ..... 65
Hydrobromic (34 per cent.), conc t ..... 17
dilute, U. S. P ..... 45
Hydrocyanic, dilute, Mallinckrodt's ..... 12
" ..... 60
Hypophosphorous, Sol. 50 per cent ..... 24
dilute. ..... 70
Iodic. ..... 87
Lactic, U. S. P., Merck's ..... 22
،. con'ct., Mallinckrodt's ..... 22
" dilute ..... 50

## DRUGS AND CHEMICALS.

ACID, Muriatic, com'1
Prices include containers.
C. P ..... -
dilute ..... 30 ..... 20
Nitric, C. P ..... 34
Nitric, dilute ..... 20
Nitro-Muriatic ..... 45
Nitrous, fuming ..... 20
Oleic, commercial ..... 30 ..... 30
purified ..... 45 ..... 60
Oxalic, com'l ..... 12
C. P., cartons ..... 47
Phosphoric ( 50 per cent) Conc t., U. S. P ..... 47
dilute ..... 25
glacial, Merck's ..... 12
Picric, Com'l., Cryst ..... 60
C. P., Cryst ..... 25
Pyrogallic, Merck's ..... 39
Mallinckrodt's ..... 39
Pyroligneous, Commercial. ..... 20
purified ..... 39
Salicylic, Merck's. oz 15, $1 / 4 \mathrm{lb} 40,1 / 2 \mathrm{lb}$ r5, lb ..... 145
Mallinckrodt's $1 / 4 \mathrm{lb} 40,1 / 2 \mathrm{lb} 75,1 \mathrm{lb}$ ..... 145
from Gaultheria ..... 60
Sulphuric, Aromatic ..... 55
Com'1 ..... 20
C. P ..... 30
dilute. ..... 20
Sulphurous, U. S. P., solution ..... 30
Tannic ..... 20
Tartaric, powdered ..... 40
Tri-chlor. acetic ..... 47
ACONITE, Leaf, powdered ..... 30
Root, powdered ..... 35
ACONITINE, pure, Amorphous, Merck's, $1 / 8-$ oz vials ..... 100
Pure, Cryst, 15 -grain vials. ..... 100
AGARIC, white ..... 50
AGNINE, 1 s ..... 50
ALCOHOL, Absolute ..... 75
Cologne, Spirits, 188 per cent., container extra ..... gal 270
Standard proof, ..... gal 240
Wood ..... 160
ALLSPICE. ..... 10
Powdered ..... 13
ALMOND MEAL ..... 40
ALOIN, Merck's ..... 22
Mallinckrodt's. ..... 22
DRUGS AND CHEMICALS.
Prices include containers
ALUM, Ammonio-Ferric ..... Ib $\$ 040$
Dried (burnt), 1-1b cartons ..... 16
Lump ..... 05
Potassa, granulated, pure. ..... 20
Powdered ..... 10
AMMONIA, Spirits of (alcoholic) ..... 6.5
Aromatic. ..... 60
Water of U. S. P. (1 gal, 45) ..... 15
Cone ${ }^{\text {t }}$ ..... 20
AMMONIUM, Acetate, liquor ..... 30
Acetate, crystal ..... 20
Benzoate ..... 17
Bromide, Mallinckrodt's ..... 55
Carbazotate ..... 35
Carbonate, 1 - lb cans ..... 20
2-1b cans ..... 18
resublimed, pure, 1-1b bottles ..... 45
Iodide, Mallinckrodt's. ..... 44
Muriate, lump ..... 15
" granulated, pure ..... 20
powdered, pure ..... 20
Nitrate, crystal. ..... 2.5
granulated ..... 27
Oxalate ..... 85
Phosphate ..... 94
Picrate ..... 35
Salicylate ..... 34
Sulpho-carbolate ..... 14
Tartrate ..... 20
Valerianate. ..... 30
AMYL, Nitrite, Mallinckrodt's ..... 30
Nitrite, Pearls, boxes of 1 doz., 2, 3, 4 or 5 drops ..... 35Aniline Dyes. See Microscopic Material.
ANODYNE, Hoffman's. ..... 65
ANTIMONY, black, powdered, com'l ..... 06
Pure, powdered ..... 30
Chloride, Sol. (Butter of) ..... 34
Tartrate and Potassa (see Tartar Emetic).
ANTISEPTIC TABLETS (Bichloride) $10050 \mathrm{c}, 500$ ..... 200
Each tablet contains the requisite amount of Corrosive Sublimate to make 1 to1000 solution when added to 1 pint of water.
APIOL ..... 54
APO-MORPIINE, Cryst ..... 125
Muriate, Amorphous, Merck:s ..... 55
ARISTOL, $1-\mathrm{oz}$ cartons ..... 180Aristol is now widely known as a very safe, pleasant and effective surgical dressing. It isespecially useful in leg ulcers, cavital licerations, ozena, etc, and where prompt cicatrisa-tion is desired.
ARISTOL GAUZE, 5 per cent., in 1-yard rolls ..... 60
5-yard rolls ..... yd ..... 50

## DRUGS AND CHEMICALS.

ARROW ROOT, American ..... 11) $\$ 012$
Bermuda. ..... 35
t. Vincent ..... 15
ARSENIC, powd., come'l ..... 08
Bromide. ..... 47
Chloride ..... 57
" solution ..... 85
Iodide, Mallinckrodt's. ..... 5?
ARSENIC SOLUTION, Clemens' ..... 60
This solution contains an amount of Arsenic in combination, corresponding toabout 1 per cent. of Arseuious Acid.
Donovan's, U. S. P., 1-1b bottles ..... 30
Fowler's ..... 20
ATROPLNE, pure, Merck's, $1 / 6$-oz vials ..... 65
Sulphate, $1 / 8-\mathrm{oz}$ vials ..... 50
15-grain vials ..... 22
BALSAM Copaiba, Para ..... 60
Copaiba, Solidified ..... 110
Fir, Canada ..... 50
Peru ..... 150
Tolu ..... 56
BALA GILEAD BUDS ..... 45
BARIUM, Acetate ..... 19
Carbonate 1 lb boxes ..... 47
Chloride (Muriate) 1 lb boxes. ..... 19
Chloride, C. P ..... 33
Iodide ..... $5 \%$
Nitrate, powdered ..... 24
C. P ..... 40
Sulphate (Barytes) ..... 15
BARKS, See under name of bark wanted.
BARLEY, Pearl ..... 06
Pint. Quart. 5 -pt. bots. Gal. bots.
BATTERY FLUID ..... $\begin{array}{lllllll}80 & 25 & 80 & 35 & 80 & 60\end{array}$ ..... so $\%$
Cautery 40 75 ..... 100
BAYBERRY BARK, powdered ..... $.1 b$ ..... 20BAY RUM, Domestic. ..................................... . ......... so so 40 so ro s0 25
Imported $50 \quad 90$ ..... 3 05
BEANS, Jequirity ..... 10
powdered ..... 20
BEER, See Wines and Liquors.
belle of bourbon, see Wines and Liquors.
BELLADONNA, Leaf, powdered ..... 40
Root, powdered ..... 40
BENZOIN, Gum, See Gums.
BENZOLE, C. P ..... 90
Pure ..... 50

## DRUGS AND CHEMICALS.

BENZOSOL per oz
arly en-
enzosol dorsed as an internal antiseptic in Phthisis, etc. Chemically considered, Benzosol
is guaiacol in which the hydrogen atom of the hydroxyl group is replaced by benzoyl. By the rery process of manufacture all foreign ingredients are excluded, and the product is a chemically pure substance. It forms a colorless crystalline powder, al- most entirely tasteless. It melts at 500 C . Water does not take it up, but hot alco- hol, ether and chloroform dissolve it readily. It contains 54 per cent. of gua iaco' Twelve grains Beuzosol are equal to $i t$ grains of Creosote.
Literature on application.
BERRIES, Cubeb, stemless ..... 65
" powdered, 1/4-1b 25 ..... 75
Juniper ..... 10
powdered ..... 15
Prickly Ash ..... 40
powdered ..... 50
BISMUTH AND AMMONIA CITRATE, soluble ..... 30
Nitrate ..... 29
Oxide, hydrated ..... 34
Oxychloride ..... 27
Salicylate, Mallinckrodt's ..... 27
Subcarbonate, $1 / 4-1 b 75$ ..... 255
Subgallate ..... 50
Subiodide ..... 40
Subnitrate, Mallinckrodt's ..... 225
" 4 -oz bottles, inclusive ..... 60
.. Squibb's, 500 -gramme boxes ..... 2 84
". Squibb's, 100 -gramme boxes ..... 61
Tannate ..... 33
Valerianate ..... 65
BLACK HAW, Bark, powdered ..... 30
BLOOD ROOT, powdered. ..... 20
BLUE FLAG ROOT, powdered ..... 30
BLUE MASS, U. S. P. ..... 60
U. S. P., 4-oz jars ..... 20
Powdered ..... \% 0
BLUE VITRIOL (Copper Sulphate) ..... 08
BORAX, Refined. ..... 12
Powdered ..... 13
Pure, granulated ..... 37
BORO-GLYCERIDE, solution, 50 per cent ..... 100
Two parts by weight of this preparation represent one part of Solid Boroglyceride.Boroglyceride Solution is a convenient form for dispensing, and is more readily soluble in,and miscible with, other liquids than the solid Boroglyceride.

The 50 per cent. solution will be sent on all orders for Boroglyceride where solid is not

specified.
BORO-GLYCERIDE, solution, $331 / 8$ per cent. $\left\{\begin{array}{l}1-1 \mathrm{~b} \text { bottle, by weight......each } \\ 5-1 \mathrm{~b} \text { bottle, by weight....eat }\end{array}\right.$ ..... 75
BRANDY (see Wines and Liquors.)
BRIMSTONE ..... lb04
BROMINE ..... oz ..... 20

## DRUGS AND CHEMICALS.

Prices include containers.
BRUCINE, $1 / 8-$ oz vials ..... each $\$ 025$
Sulphate, 1/4-oz vials ..... 25
BUDS, Balm of Gilead ..... 45
Cassia ..... 27
BUCHU LEAVES (short) ..... 45
Powdered ..... 50
BUCKTHORN BARK ..... 20
Powdered ..... 25
BURDOCK ROOT ..... 20
Powdered ..... 25
BUTTERNUT BARK ..... 16
Powdered ..... 20
BUTTER OF COCOA ..... 50
Of Antimony ..... 35
CADMIUM, Bromide, Mallinckrodt's ..... 20
Chloride. ..... 29
Iodide. ..... 43
Nitrate ..... 29
Sulphate, pure ..... 29
CAFBROMALID, Acetaniled with Bromide of Caffiene and Sodium (see p.138)..1b ..... 300
5-oz cans ..... 10025
Tablets, 5 grains, 100 's, 40 c .; 500 's, $\$ 1 . i 5$ ..... 300 ..... 175Acetaniled with Bromid of Coin Pow perfectly witelargely as a substitute for Morphine, and as an Antipyretic and analgesic. Usefulin all pyrexias and acute inflammatory affections, to reduce fever and to quiet pain.It is prescribed with great success in nervous or sick headache, neuralgia, siaticaand rheumatism. In acnte bronchitis, influenza and hay ferer, the attack is oftenarrested within twenty-four hours (with 5 -grain doses every two hours).
CAFFEINE, Alkaloid, pure, cryst 1/8 oz 10, oz ..... 45
Bromide, Mallinckrodt's. 1/8 oz 12, oz ..... 65
Citrate. 1/8 oz 10, oz ..... 45
Hydrobromate (Bromide), cryst ..... 65
Hydrochlorate, cryst ..... 80
Nitrate, cryst ..... 20
Salicylate, true salt. ..... 18
Sulphate, cryst ..... 15
Valerianate ..... 15
And Sodium, benzoate ..... 55
" " Hydrobromate (Bromide of Caffeine and Sodium) ... ${ }^{\text {" }}$ oz ..... 18
" " Salicylate ..... oz $10,1 / 8 \mathrm{oz}$ ..... 55
CALAMUS ROOT (bleached) ..... 45
Powdered ..... 40
CALCIUM, Bromide, Mallinckrodt's ..... 12
Bromide ..... 79
Benzoate ..... 34
Carb. precip. ..... 12
Chloride gran ..... 47
Chloride, fused ..... 47
DRUGS AND CHEMICALS.
Prices include containers.
CALCIUM, Hypophosphite ..... lb \$1 50
18
Iodide, Mallinckrodt's ..... 47
Lactate ..... 24
Lactophosphate, soluble ..... 34
Phosphate, precip. ..... 26
Salicylate ..... 39
Sulphite ..... 29
Sulpho Carbolate ..... 14
CALENDULA, flowers ..... 50
Powdered ..... 60
CALOMEL, Mallinckrodt's ..... 95
English ..... 351
$\frac{1}{4}-\mathrm{lb}$ bots. $\quad 1 / 2-\mathrm{lb}$ bots. $\quad 1-1 \mathrm{~b}$ bots
CAMPHENOL, from Refined Camphor and Synthetic Car- bolic Acid $\$ 030$ ..... $\$ 050$Properties.-Antiseptic, Anæsthetic and Germicide. Byvirtue of its freedom from caustic or irritating properties,Camphenol is superior to Carbolic Acid as a surgicaldressing. It is of great value wherever septic odors haveto be overcome, and where a harmless, non-irritating butpowerful antiseptic is indicated. Combined with Lavo-line, it forms an excellent antiseptic and healing lotion,employed in diphtheria and scarlet fever, to remove fetorand to destroy the germs of coutagion; in ulcerated con-ditions of the air passages and to correct offensive secre-tionsinchronic nasal catarrh, ete Lavoline Spray SolutionNo. 2 , containing 4 per cent. of Camphenol, is a suitablesolution for application of spray. (See Lavoline SpraySolutions.)
CAMPHOR, refined ..... 60
Mono-bromide ..... 22
Powdered ..... $\%$
CANELLA, bark, powdered ..... 25
CANDY, Rock, on strings ..... 16
CANTHARIDES, Russian ..... 110
powdered ..... 130
CAPSICUM, African, powdered ..... 25
CAPSULES, Gelatine (empty), in boxes of 100 each per doz. boxes ..... 100
Gelatine, .single boxes ..... 10
" " ${ }^{\text {. }} 1000$ each. ..per box ..... 60
colored pink (100s) per doz boxes ..... 110
" " .. ." (100s) per box ..... 10
".. per box ..... 65
Vaginal, Andersou's ..... 60
with Hydrastis and Opium ..... 60
Iodoformized ..... 60
CARAMEL, solution ..... 25
CARRAWAY SEED ..... 12
Powdered ..... 20

## DRUGS AND CHEMICALS.

Prices include containers.
CARDAMOM SEED (Aleppo) ..... lb \$1 00
(Mangalor), bleached ..... lb 165
Powdered ..... lb 125
CARBON, bisulphide, Mallinckrodt's ..... lb ..... 25
CARMINE NO. 40 ..... 40
Sagrada, bark ..... 20
، powdered ..... 25
CASCARILLA, Bark, powdered ..... 30
CASSIA BARK, ordinary ..... 15
CASSIA (Saigon), bark ..... 45
powdered ..... 50
Buds ..... 27
CASTOR FIBRE, powdered ..... 100
CELERY SEED ..... 20
Powdered ..... 25
4-oz jars,
each.
$\begin{gathered}8-o z ~ j a r s, ~ \\ \text { each. }\end{gathered}$
$\begin{gathered}\text { 1-1b jars, } \\ \text { each. }\end{gathered}$
CERATE, Calendula ..... \$0 25 \$0 45 ..... \$0 80
Camphor, U. S. P ..... $20 \quad 35$ ..... 65
Cantharides, U. S. P ..... 60 ..... 100
Lead, sub-acetate, U. S. P ..... 35 ..... 60
Petrolatum ..... 60
Resin, U. S. P ..... 25 ..... 45
Simple, U. S. P ..... 35 ..... 55
Spermaceti, U. S. P ..... 35 ..... 55
CERIUM NITRATE ..... 37
Oxalate, Merck's ..... 12
" Mallinckrodt's ..... 12
CHALK, French, powdered ..... 08
Precipitated, English ..... 10
Prepared, in drops ..... 10
5 -lb boxes ..... 09
CHAMOMILE FLOWERS, German ..... 40
Roman ..... 35
CHARCOAL, animal, powdered ..... 05
purifled, U. S. P ..... 25
Willow, powdered ..... 15
(extra fine) ..... 30
CHIONIA ..... 800
CHINOIDINE, 1 -oz rolls. ..... 12
Powdered, 1 -oz vials ..... 40
CIIINOLINE, pure ..... 50
Tartrate ..... 50
CHLORALAMID. 25-gramme pkg ..... so
CHLORAL HYDRATE, Crusts, Mallinckrodt's ..... 150
Crystals, g. s. bottles ..... 150
". " ..... 1b ..... 80
." 6 1 lb ..... 45
" ${ }^{6}$ oz ..... 20
DRUGS AND CHEMICALS.
Prices include containers.
CHLORIDES, Platt's ..... doz $\$ 400$
CHLORINE WATER ..... lb ..... 40
CHLORINATED LIME, 1-1b impervious boxes ..... 10
$1 / 4-1 b$ ..... 15
CHLOROFORM, Mallinckrodt's ..... 83
Purified ..... 70
R. \& H. ..... per lb
Squibb's. 500-gramme bottle ..... 140
250-gramme bottle ..... 75
CINCHONA BARK (Calisaya) ..... lb ..... 80
"، powdered ..... 90
(Pale Loxa) ..... 50
" 6 powdered ..... 60
Red, powdered ..... 50
(true), assayed, powdered ..... 100
Yellow, powdered ..... 25
CINCHONINE, Alkaloid, pure ..... 27
Bisulphate ..... 18
Mixture, 3-oz boxes ..... 25
Muriate ..... 20
Salicylate ..... 30
Sulphate ..... 15
CINCHONIDINE, Alkaloid, pure. ..... 30
Bisulphate ..... 22
Muriate ..... 20
Salicylate ..... 40
Sulphate, P.\& W ..... 14u9
Truax, Greene \& Co's ..... 11
، 6 ، $5-\mathrm{oz}$ cans ..... 07
"6 ، $6 \quad 100-\mathrm{oz}$ cans ..... 350
CINNAMON BARK, Ceylon, powdered. ..... 50
CINNAMON BARK, Cassia, powdered ..... 50
CLOVES ..... lb ..... 20
Powdered ..... 25
COCOA, Leaf, powdered ..... 75
COCAINE, Alkaloid, ounce vials ..... 800
COCAINE HYDROCHLORATE (Muriate), 1-oz vials ..... 675
Hydrochlorate (Muriate), $1 / 2-\mathrm{oz}$ vials ..... 340
$1 / 8-\mathrm{Oz}$ ..... 90
6 5,10 and 15 gr vials. ..... 02
Solution 4 per cent ..... 50
Muriate, Boehringer's (see page 146) ..... 90
s 5,10 and 15 gr vials ..... 02
c. Ms.llinckrodt's, 5, 10 and 15 gr vials ..... 02
:6 $66 \quad 1 / 8-\mathrm{Oz}$ vials. ..... 90
، 6

## DRUGS AND CHEMICALS.

Prices include containers
COCHINEAL, IIONDURAS. ..... 1b $\$ 040$
Powdered ..... 45
COCOA, BUTTER OF ..... 1b ..... 50
CODEINE, Alkaloid, cryst., $1 / 8$-oz vials ..... 70
Phosphate, $1 / 8-$ oz vials. ..... 70
Sulphate, $1 / 8-\mathrm{oz}$ vials. ..... 60
COD LIVER OIL, Tasteless (Wampole's) ..... 800
COLCHICINE, C. Y., cryst., 15 -gr vials ..... 55
COLCHICUM, Root, powdered. ..... 40
Seed, ..... 60
1-oz bots.
each. - oz bots.
each.
each.
each.
COLLODION, Simple, U. S. P ..... 15 ..... $30 \quad 100$
Cantharidal ..... 25 ..... $\% \quad 250$
Flexible, U. S. P. ..... 15
Iodized ..... 25
Iodoform ..... 25
Salicylated, comp. (corn cure) ..... 75 ..... 250
Styptic, U. S. P ..... 150
COLOCYNTH, Apples (Trieste) ..... 60
powdered ..... \% 0
COLUMBO, root, foreign ..... 25
" powdered ..... 30
COMFREY, root, powdered ..... 25
COMPOSITION POWDER (See powders, compound).
each. each. ..... jars
CONFECTION, Black Pepper ..... 20 ..... 35 ..... 60
Opium, U. S. P ..... 115 ..... 215
Roses, ..... 35 ..... 60
Senna, ..... 3.5 ..... 60
CONIINE, alkaloid, $1 / 8-\mathrm{oz}$ vials ..... 70
Hydrobromate, cryst., 15 -gr vials ..... 50
CONIUM, leaf, powdered ..... 30
seed, ..... 35
COPPER, Acetate pure ..... 80
Ammoniated ..... $\%$
Arseniate, Mallinckrodt's ..... 30
Arsenite ..... 25
Carbonate ..... 55
Chloride ..... 75
Iodide ..... 70
Oxide. black ..... 12
Subacetate (Verdigris) ..... 45
Sulphate (Blue Vitrol) ..... 08
6. gran., C. P., Mallinckrodt's, 1 lb . bottles. ..... 28

## DRUGS AND CHEMICALS.

Prices include container.
COPPERAS ..... lb
b
5 lbs or more ..... 02
CORIANDER SEED ..... 12
Powdered ..... 25
CORROSIVE SUBLIMATE (see Mercury).
$1-1 \mathrm{~b}$ cans. $5 \cdot 1 \mathrm{~b}$ cans.
COSMOLINE, Camphorated ..... 46 ..... 1 \% 0
Carbolized ..... 46 ..... 170
Plain ..... 140
White ..... 70 ..... 285
COTO BARK, Powdered ..... 25
COTOIN, 15 -grain vials ..... 35
COWHAGE ..... 45
CRAB ORCHARD SALTS ..... 25
CRANESBILL, Root, powdered ..... 35
CREAM TARTAR, Commercial ..... 20
CREOSOTE, German, white . oz 10, 1/4 lb 25, lb ..... 50
From Reechwood Tar .oz 22, 1/4 lb 50, lb ..... 175
CREOLIN-PEARSON, Merck's, 1 lb c. b. ..... 50Dark brown, syrupy liquid, sp. gr. 1.040-1.080. SoL. : in W. (to $21 / 2$ per cent.), A,. E., C. Ex-ternal and internal Antiseptic, Deodorant, etc.; non-poisonous succedaneum for CarbolicAcid. Applic.: mostly in $1 / 2-2$ per cent. solut., sometimes undiluted. Dose: 0.03-0.3 gramme( $1 / 2-5 m$ ) 3 times a day, in pills.
CROTON CHLORAL ..... 55.
CROTON OIL (see Oils).
CUBEB, Berries, stemless ..... 65
". powdered ..... 75
CUDBEAR ..... 25
CULVER'S ROOT, powdered ..... 35
CUMARIN, $1 / 8-\mathrm{oz}$ vials ..... 35
CURCUMA, powdered ..... 15
CUTTLE FISH BONE ..... 25
Powdered. ..... 30
DANDELION, Root, German ..... 25
Powdered ..... 30
DATURINE, Alkaloid, 5-grain vials ..... 75
Hydrozhlorate, 5 -grain vials ..... 75
Sulphate, 5 -grain vials ..... 75
DERMATOL ..... 60

A Busic Bismuth Gallate: A saffron yellow powder, insoluble in water, alcohol or ether; odorless, non-hydroscopic, astringent, non-poisonous, non-irritating, stable, being unaffected by steam or dry heat, and having the power to check bacterial growth to a certain extent, though this was not claimed by its sponsors.

Dr. Arthur K. Stone, of Boston.
The profession is justified in considering Dermatol to be the very best non-toxic local remedy for Diarrhoea to be found in our modern Pharmacopœia.
C. Colasanti, M. D., Professor at the Rome (Italy) University.

Dr. B. E. Vaughan reports over 65 cases in which he employed Dermatol in acute Urethri-

## DRUGS AND CHEMICALS.

> tis, and concludes by saying that Dermatol is the most efficacious drug he has ever used for acute Urethritis.
> Professor Rogner, of Vienna. considers DERMATol the best dry antiseptic we possess.
> A succedaneum for Iodoform for external application and BISMUTH SUB-NITRATE for internal administration.
> conditions in which dermatol possesses advantages over Iodofonm.
dermatol.

1. It is not poisonons.
2. It is without odor.
3. It is absolutely non-irritating; it allays irritation.
4. It can be sterilized by dry or moist heat (this may be of distinct adrantage when gauze is employed).
5. It seems, at present, to lessen discharge to a greater extent, and to faror epithelial formation to a greater degree than does Iodoform.

## IODOFORM.

1. It is distinetly poisonous.
2. Its odor is exceedingly disagreeable.
3. It produces in many instances a troublesome dermatitis of the surrounding skin.
4. Iodoform can not be sterlized without decomposition.
DERMATOL DUSTING POWDER
Put up in convenient sprinkle-top containers. Literature on application.
DEXTRINE. ..... 12
DlGITALIN ..... 35
DIGITALIS, Leaf, powdered ..... 40
DIURETIN, Ḱnoll, 1-oz bots ..... 175
DRAGON'S BLOOD, powder. ..... 45
DUBOISINE, pure, amorphous ..... 100
Sulphate. ..... 100
EARTH, FULLER'S, powdered. ..... 10
EIKONOGEN. ..... 37
ELATERINE, eryst., 15 gr vials. ..... 125
ELATERIUM, 1/8 OZ 25. ..... 150
ELECAMPANE, root, powdered ..... 25
ELDER FLOWERS ..... 25
Powdered ..... 30
ELM, bark, select slabs ..... 14
، powdered. ..... 15
EMETINE ..... 60
EPSOM SALTS ..... 03
FRGOT, Spanish, powdered, $1 / 4-1 \mathrm{~b} 25$ ..... 85
ERGOTINE ..... 44
Merck's, Bonjean's formula ..... 44
ERGOTOLE (S. \& D.) per doz. ozs ..... 450
ESERINE (Physostigmine), C. P., 5-gr tubes ..... each ..... 135
Citrate, 5 -gr vials ..... 100
Hydrobromate, cryst., 5 -gr vials ..... 100
Sulphate, 5-gr tubes. ..... $\%$
ESSENCE OF CINNAMON, $1 / 4-1 \mathrm{~b} 20$. ..... 60
Ginger (Fluid Ginger,) $1 / 4-1 \mathrm{~b} 25$, ..... 75
Lemon, $1 / 4-1 \mathrm{~b} 25$ ..... 75
Peppermint, $1 / 4-1 \mathrm{~b} 25$ ..... 80
Vanilla, $1 / 4-1 \mathrm{~b} 45$ ..... 160
Wintergreen, $1 / 4-1 \mathrm{~b} 25$ ..... 75

## DRUGS AND CHEMICALS.

Prices include containers.
ETIIER, Acetic, Mallinckrodt's ..... 1b ..... 69
Butyric ..... 139
Chloric (spts. Chloroform, U. S. P.) ..... 60
Formic ..... 284
Hydriodic (Iodide Ethyl) ..... 44
Hydrobromic (Bromide Ethyl) ..... 26
ETHER, Nitrous conc'd, ( 1 to 19), 1/4-1b 45 ..... 125
Spirit Nitrous, U. S. P. ..... 50
Sulphuric, con’d (stronger for Anæsthesia), Mallinckrodt's, $1 / 4-1 \mathrm{lb} 27$,
$1 / 2$-lb 49. ..... 87
Squibbs, 100 grammes, 31 c .; 250 grammes, 66c.; 500 grammes ..... 125
ETHYL, Bromide ..... 26
Chloride, 10 -gramme tubes ..... 75
Iodide ..... 44
EUCALYPTOL, Limpid ..... 50
1-pt bots. 5 s. ..... 1 gal.
EUCALYPTOL, Compound, "Micrazotol". ..... S2 50 ..... $\$ 375$
Autiseptic Solution, composed of Encalyptol, Thymo1, Resorcin,Menthol, and Benzoic Acid, combined with a 5 per cent. solution ofBoro-glyceride.
EUCALYPTUS, leaf, powdered ..... lb ..... 30
EUGENOIL ..... 30
EUROPHEN, 1 -oz cartons ..... 180Europhen is a complete substitute for iodoform and is indicated in specific lesions, burns,ulcerations, and all external traumatisms. It has an agreeable odor, and covers five timesmore surface than iodoform.
EUROPHEN-ARISTOL, 1 -oz cartons ..... oz \$1 80
A preparation consist:ng of equal parts of each medicament.
ExTRACTS, Fluid (see List).
EXTRACT, Beef (see Beef).
Lemon ..... 75
Licorice, imported ..... 38
domestic ..... 30
powdered ..... 40
Logwood, 1s. ..... 13
Witch Hazel, distilled ..... pt., 25, gal ..... 100
Vanilla ..... 160
FENNEL SEED, powdered ..... 24
FLAX SEED, ground ..... 05
FLOWERS, see under name of Flowers wanted.
FLUID MALT (see Malt Fluid). Palmetto. ..... lb ..... 125A modified fluid extract of the fresh berries of Serenoa serrulata (Saw Palmetto).Represents all the active medicinal constituents of the drug. Miscible with elixir,wine, syrup, glycerin or water.Palmetto, CompoundlbEach fluidrachm represents 30 grains of Saw Palmetto combined with CouchGrass and Sandal-wood. This compound is a valuable diuretic and putrient tonicand acts specifically upon the entire reproductive organs. It relieves irritation oftissues, improves digestion and gives prompt relief in retension of the urine. Itsaction upon the glands of the reproductive organs makes it of special therapenticalinterest in the treatment of prostatic troubles, uterine atrophy, etc.100

## DRUGS AND CHEMICALS.

FEENUGREEK, seed, powdered
FOIL. Tin ..... lb ..... 30
FOWLER'S SOLUTION ..... 20
FULLER'S EARTH, powdered ..... 10
GALLS, Aleppo, powdered ..... 30
GELATINE, Cooper*s, sheet ..... 55
French, white ..... 60
GELSEMIN ..... 113
GENTIAN ROOT, ground ..... 12
powdered ..... 15
GERANIN ..... 38
GERANIUM ROOT, powdered ..... 25
GIN (see Wines and Liquors).
GINGER (African), powdered ..... 18
Jamaica, bleached ..... 23
powdered ..... 25
GLASS, Soluble (Silicate of Soda), solution ..... 20
GLAUBER SALTS (see Sal. Glauber) ..... 03
GLUCOSE, Syrupy ..... 20
GLUE, Brown ..... 18
White ..... 30
GLUTEN, Meal ..... 12
GLYCERINE, Pure, 1-pint bottles ..... 35
Pure, 1-qt bottles ..... 21/2 lbs ..... 58
Pure, $1 / 2$-gal jugs ..... 105
Pure, 1-gal jugs ..... 10 lbs ..... 190
Pure, 50-lb cans ..... 17
Bower's, 1-lb bottles ..... 75
Price:s, 1-1b bottles ..... 75
GOA POWDER ..... 25
GOLDEN SEAL, Root, powdered ..... 45
GRANVILLE'S LOTION ..... 53
GUAIAC WOOD, rasped. ..... 08
GUAIACOL ..... 87
GUAIACOL CARBONATE, 1-oz vials ..... 1 75
gUARANA, Powdered. ..... 200
GUM, Aloes, Barbadoes ..... 30
"، "، powdered ..... 35
Cape ..... 14
" " powdered ..... 20
Socotrine ..... 50
porvdered ..... 60
Ammoniac, Tears ..... 35
Arabic, 1st quality ..... 100
2nd ..... 85
" 3rd " ..... ro
" powdered, select ..... 105
". granulated ..... 105
DRUGS AND CHEMICALS.
Prices include containers.
GUM, Asafœtida, select ..... 1b ..... $\$ 040$
powdered, in bottles, $1 / 4-1 \mathrm{l} 20$ ..... 50
Benzoin, marbled ..... 60
powdered ..... 65
Camphor, refined ..... 55
powdered ..... \%0
Catechu, true ..... 15
powdered ..... 30
Euphorbinm, powdered ..... 40
Galbanum, strained ..... 350
Gamboge, powdered ..... 80
Guaiac, strained ..... 45
" powdered ..... 50
Hemlock ..... 60
Kino, true ..... 35
"، powdered ..... 40
Mastic ..... 100
Myrrh, select ..... 45
powdered ..... 50
Olibanum, Tears ..... 30
powdered ..... 35
Opium, select ..... 350
powdered, assayed, oz 35, 1/4-1b $\$ 1.25$ ..... $+75$
Sandarac ..... 40
Scammony, powdered ..... 950
Senegal ..... 40
Shellac. ..... 30
" ground ..... 35
Storax, liquid ..... 40
Thus (Tnrpentine) ..... 10
Tragacanth, flake ..... 60
sorts. ..... 40
powdered ..... 90
GUN COTTON ..... 40
GUTTA PERCHA, Chips ..... 175
H $\mathrm{EMATIC}^{\text {HYPOPHOSPHITES (See Syrup Hyphosphites). }}$
HAMAMELIS, Extract, distilled, pt. 25 ..... 100
HELLEBORE, black, powdered ..... 30
white, powdered ..... 30
HEMLOCK BARK, powdered ..... 25
HENBANE, Leaf, powdered ..... 35
HIERA PICRA (Powdered Aloes and Canula) ..... 40
HOFFMAN'S ANODYNE, $1 / 4-1 \mathrm{~b} 20$ ..... 60
True, 1/4-1b 30 ..... 100
HONEY, Strained, containers extra ..... 14
HOPS, New, bulk. ..... 40
Pressed, $1 / 4 \mathrm{~s}$ and $1 / 2 \mathrm{~s}$ ..... 30
DRUGS AND CHEMICALS.
Prices include containers.
HYDROGEN, Per-oxide, Mallinckrodt's. $1 / 4 \mathrm{lb} .18,1 / 2 \mathrm{lb} .25, \mathrm{lb} \$ 040$
 ..... 45
Marchand's................................................1/4 lb. 32, 1/2 lb. 45, lb ..... 65
Oakland $1 / 4 \mathrm{lb} .25,1 / 2 \mathrm{lb} .35, \mathrm{lb}$ ..... 60
Peuchot's. 1/4 lb. 25, 1/2 lb. 35, 1b ..... 45
HYOSCYAMINE HYDROBROMATE, 5 -gr vials ..... \% 5
HYDRANGEA ROOT, Powdered ..... 30
ICHTHYOL (Ammonium Sulpho-ichthyolate, Merok's. ..... 45
1/4 lb., \$1.50; 1/2 lb., \$2.95; lb ..... 575
$\mathrm{C}_{28} \mathrm{H}_{36} \mathrm{~S}_{3} \mathrm{O}_{6}\left(\mathrm{NH}_{4}\right)_{2}$. -Thick, brownish liquid, containing 15 per cent. of easilyassimable Sulphur; sp. gr., 1.106 . Sol. : in W., mixture of A. and E., Gl.; only partlysol. in pure A. or pure E.; freely miscible with Oils. ANTIPHLOGISTIC, ANODFNE,Alterative, etc. (Cutaneous Affections, Rheumatism. Scrofula, Inflammatory Dis-eases of Women, etc.). Applic.: in $5-50$ per cent. oint., solut., etc. Dose: $0.2-0.6$gramme ( $3-10 \mathrm{~m}$ ) 3 times daily, well diluted, or in pills or capsules.
INDIGO, Madras ..... 85
Manilla ..... 75
INSECT POWDER, 1-lb cartons. ..... 30
IODINE, Resublimed, Mallinckrodt's. ..... 40
Bromide ..... 85
Solution, 15 per cent. ..... 35
Chloride ..... 80
Tincture, oz. 15, 1/4-1b 32 ..... 90
IODOFORM, Powdered, Mallinckrodt's, oz 44, 1/4-1b 135 ..... 489
Cryst., oz 44. 1/4-lb 135 ..... 489
IODOLE (Tetra-iodo-pyrrole). Merck's, 1-oz. g. s. v. ..... 125$\mathrm{C}_{4} \mathrm{I}_{4} \mathrm{NH}_{\mathrm{H}}-\mathrm{Grayish}-\mathrm{brown}$, inodorous powder, consisting of 88.97 per cent Iodine. So1. :in 3 A .,1. E., 5,000 W., 15 Oil Nontoxic Succedaneum for Iodoform. Very attenuable from its lightnessand fineness. Applic. : like Iodoform. Dose: $0.5-1.5-3$ (!) grammes ( $\quad 1 / 2-23-55(!)$ grs.) daily.INDIAN TURNIP, Powdered.lb
IPECAC, Root, powdered. ..... lb
IRISIN ..... oz ..... 4535
IRON, Acetate, dry ..... 29
liquor. ..... 44
tincture ..... 65
". Radinmacher's ..... 80
Arseniate. ..... 24
Arsenite ..... 24
Benzoate ..... 44
Bromide, Mallinckrodt's ..... 20
By Hydrogen, gray, oz 12 ..... 93
Carbonate, Precip ..... 20
Proto (Vallet's Mass), Mallinckrodt's, in jars ..... 4.5
(Saccharated), in bottles ..... 60
Chloride, Crystals ..... 13
" Solution, for tincture ..... 30
" Tincture ..... 40
" Proto. ..... 20
Citrate, U. S. P., oz 12 ..... 82
: Soluble, Mallinckrodt's, oz 13 ..... 78
". and Ammonium, oz 13 ..... 78
" and Quinine, Sol., oz 22 ..... lb ..... 220

## DRUGS AND CHEMICALS.

Prices include containers.
IRON, Citrate and Quinine, with Strychnine, oz 25 ..... $1 \mathrm{l} \$ 270$
Strychnine, oz 21 ..... lb ..... 170
Citro-Chloride Tincture ..... 65
Ferrocyanide, bottle, oz 11c ..... 69
cartons ..... 59
Filings, bulk ..... 10
Hydrated Oxide, mass, bottle ..... 44
dry, ..... 79
Hypophosphite, bottles ..... 26
Iodide, Mallinckrodt's, bottle ..... 40
Syrup (see Syrups.)
Saccharated, bottle ..... 47
Lactate, bottle ..... 12
Lactophosphate, bottle. ..... 34
Nitrate Solution, U. S. P. (Pernitrate), bottle ..... 40
Oxalate, bottle ..... 19
Oxide, Saccharated, bottle ..... 65
(Ferr. Oxyd. Sacchr. Solubile, Ph. Germ.)
Black (Ethiop’s Martial), bottle ..... 49
Pernitrate (See Nitrate Iron Solution.)
Phosphate, Precip., in bottles. ..... 60
" in cartons. ..... 50
Scales, U. S. P.,o in bottle, oz 12 ..... 84
Pyrophosphate, U. S. P., in bottles, oz 12 ..... 78
Reduced (See Iron by Hydrogen.)
Salicylate, in bottles ..... 39
Subsulphate (Monsel's Powder') in bottles, oz 9 ..... 52
in cartons ..... 45
". solution, Monsel's, in bottles ..... 37
Succinate Hydrated, in bottles ..... 54
Sulphate. (Copperas) ..... 02
" Granulated, Mallinckrodt's, in bottles ..... 25
" Dried, pure, in cartons ..... 18
Sulphocarbolate ..... 14
Sulphuret ..... 24
Tannate ..... 29
Tersulphate, Solution ..... 34
Valerianate ..... 29
with Ammonia Protosulphate ..... 23
" Ammonium, Tartrate, oz 12 ..... 72
" Potassium Tartrate, Scales, oz 12 ..... 65
JABORANDI, Leaves, powdered, $1 / 4 \mathrm{lb} 15$ ..... 50
JAMBUL SEED, powdered, in oz vials ..... 30
JEQUIRITY SEED per oz ..... 15
Powdered, in oz bots per oz ..... 20
JALAPIN (resinoid) ..... 45
JUGLANDIN (resinoid) ..... 45

## DRUGS AND CHEMICALS.

JUNIPER BERRIES
Prices include containers.
Powdered, $1 / 4 \mathrm{lb} 08$ ..... lb \$0 10 ..... 20
KAMALA, powdered, $1 \frac{1}{4} \mathrm{lb} 18$ ..... 62
KERMES, Mineral (see Antimony Sulphide. Red). KINO, Ginu (true), $1 / 4 \mathrm{lb} 17$ ..... 55
powdered, $\stackrel{1}{4} \mathrm{lb} 16$ ..... 50
KOLA NUT, powdered, ¼ lb is ..... 62
KOOSSO FLOWERS ..... 90
Powdered, 14 1b 28 ..... 95
LABARRAQUE'S SOLUTION (Chlorinated Solution of Soda). in qt. bots. . each ..... 25
00LAC SULPHUR, pure
17
LACTUCARIUM. ..... 59
LADIES' SLIPPER, root, powdered, 1/41b 13 ..... 42
LANOLINE LIEBRICH PURISS ..... 85
Is the purified fat obtained from sheep's wool, and is natural to the hair and skin, andis absorbed by these at once. It is the best basis known for ointment salves, ete., havingvaluable antiseptic properties; perfectly miscible with water and all medicaments; neverbecomes rancid; does not melt or run below body heat; homogeneous; devoid of harderystaline bodies, and free fatty acids, and the only "true" ointment base in our modernpharmacopoeia. Literature on application. See advertisement.
LAUDANUM (See Tinct. Opium, U. S. P.)
LARD, Benzoated, $1-1 \mathrm{~b}$ jars ..... lb35
LAVOLINE, 1 lb 40 . 5-pint bottles ..... 175
This is a petroleum product, perfectly colorless, odorless and tasteless, havingall the emollient and healing principles contained in the finer grades of Petrolatum.Its fluid consistency adapts it for use in atomizers, and its perfect freedom from anyobjectionable or irritating properties renders it valuable in the treatment of diseasesof the mucous membrane. It forms clear solutions with various remedies used inaffections of the nose, throat and lungs, and will be found an excellent vehicle fortheir administration in the form of spray.
LEAD, Acetate, white, bulk ..... 20
" white, powdered, bulk ..... 29
" purified, granular, bulk ..... 29
Benzoate ..... 44
Carbonate ..... 10
Carbonate, neutral, C. P., 1-lb bots ..... 99
Chloride, $1-\mathrm{oz}$ vials ..... 17
Iodide, Mallinckrodt's, 1-oz vials. ..... 36
Nitrate ..... 17
" chemically pure ..... 50
Oxide, com'l, bulk ..... 10
" chemically pure ..... 110
Sub Acetate, sol ..... 25
Tannate, $1-\mathrm{oz}$ vials ..... 34
LEAVES (see under name of drug wanted).
LEECHES, Swedish ..... 85
LICORICE ROOT, select ..... £0
powdered ..... 16
Russian, cut ..... 25
powdered ..... 0
DRUGS AND CHEMICALS.
Prices includecontainers.
LICORICE ROOT, Extract, powdered ..... lb \$0 40
imported (in sticks) ..... lb 38
domestic ..... 30
LIME (set Calcium).
Chloride (Chlorinated Lime), 1-1b boxes ..... 12
$14-1 b$ ..... 15
LIME WATER, 1-pt. bottles per pint ..... 20
LINIMENT, Aconite and Chloroform each. each. each.
Composed of Tincture of Aconite, Chloro- form and soap Liniment.
Ammonia, U. S. P., (Volatile Liniment) ..... 100 ..... 100 ..... 150
Belladonna, U. S. P ..... 1 20
Camphor, U. S. P. ..... 40
150 ..... 225
Camphor Compound, Br ..... 65
Composed of Camphor. Oil of Lavender, strong water of Ammonia. and Rec-tified Spirit.
Chloroform, U.S. P. ..... 260 ..... 400
Croton Oil, Br ..... 450 ..... 700
Iodide of Ammonia ..... 240 ..... 375
Composed of Iodide of Ammonia, Camphor,Ol. Rosemary, Ol. Lavender and Alcohol.
Iodine, N. F ..... 150
Lead, Sub-acetate, U. S. P ..... 35
Lime, U. S. P ..... 25260400
This Liniment is also called Carron Oil, deriving thisname from the Carron Iron Works, Scotland, where it wasextensively used for burns.
LINIMENT, Rheumatic. ..... 75325500
Composed of Ol. Origanum, Aconite,Opium, Chloroform and Soap Lini-ment.
Mustard Compound, U. S. P ..... 100
Soap, U. S. P240360
Stillingia Compound, A. D ..... 350Composed of Ol. Stillingia. Ol. Cajaput,Ol. Lobelia and Alcohol.
Turpentine, U.S. P ..... 40 ..... 150 ..... 225
LITHARGE ..... 10
LITHIUM, Acetate ..... 64
Benzoate, Mallinckrod't's, $1-\mathrm{oz}$ vials ..... 26
Bromide, $1-\mathrm{oz}$ vials ..... 29
Carbonate, $1-\mathrm{oz}$ vials ..... 26
Chloride ..... 44
Citrate, $1-\mathrm{oz}$ vials ..... 26
Iodide, $1-\mathrm{oz}$ vials ..... 52
Nitrate, $1-o z$ vials ..... 44
Salicylate, $1-\mathrm{oz}$ vials. ..... 27
LITMUS FAPER (in books), blue or red ..... 10
6. Blue or red (in sheets) ..... 50

## DRUGS AND CHEMICALS.

LOG WOOD, Extract, 1s
Prices include containers.
LOBELIA, Herb, powd ..... lb \$0 13
Seed, powd ..... 30 ..... 30
LUNAR CAUSTIC, Pure, Mallinckrodt's ..... lb ..... 40
LUPULIN
LYCOPODILYI ..... lb ..... I 25
MACE ..... 65 ..... 85
Powd ..... 90
MADDER, Dutch ..... 20
MAGNESIUM, Benzoate, $1-\mathrm{oz}$ vials ..... 42
Boro Citrate, $1-\mathrm{oz}$ vials ..... 18
Bromide, $1-\mathrm{oz}$ vials ..... 42
Calcined, 1 -lb cans ..... 65
Carbonate, $1-\mathrm{oz}$ ..... 24
Carbonate, 2 -oz ..... 22
Carbonate, $4-\mathrm{oz}$ ..... 20
Chloride, fused ..... 60
MAGNESIUM, Citrate, granular, effervescent (Warner*s) ..... 320
solution ..... 65 ..... 200
Hypophosphite, $1-\mathrm{oz}$ vials ..... 31
Hypophosphite ..... 359
Iodide, $1-\mathrm{oz}$ vials ..... T2
Phosphate, 1 -oz vials ..... 17
Salicylate, 1 -oz vials ..... 44
Sulphate (see Sal. Epsom). dried ..... 34
Sulphite, 1-lb carton ..... 82
MANDRAKE, root, powdered ..... 20
MANGANESE, Black Oxide, 1-1b carton ..... 10
Borate, $1-1 \mathrm{~b}$ bottles ..... 47
MANGANESE, Bromide, Mallinckrodt's, 1-oz vials ..... 62
Carbonate, $1-o z$ vials ..... 32
Chloride, $1-\mathrm{oz}$ vials ..... 14
Citrate, 1 -oz vials ..... 44
Hypophosphite, 1-oz rials ..... 31
Iodide, Mallinckrodt's, 1 -oz vials ..... 82
Phosphate, $1-\mathrm{oz}$ vials ..... 34
Sulphate, $1-\mathrm{oz}$ vials ..... 13
Sulphate, 1-lb bottles ..... 69
MANNA, large flake ..... 140
small flake ..... \% 0
MANNIT, pure ..... 200
MATICO, leaf, powdered ..... 45
MARSHMALLOV, root, cut ..... 30
powdered ..... 35
MECONIN, $1 / 8-\mathrm{oz}$ vials ..... 260
MENTHOL, pure, cryst ..... 44

## DRUGS AND CHEMICALS.

## Prices include containers


#### Abstract

MERCURY, Distilled lb $\$ 080$


Acetate, 1-oz vials. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 38
Ammoniated (white precip.) 1-1b bottle...................................... . 1 lb 113
Bi-chloride (Corrosive Sublimate) ............................................... . . . 96
Bisulphate, 1-oz vials................................................................ . oz 13
Bisulphate, 1-1b bottles........................................................... . . . 68
Bisulphuret (Cinnabar)............................................................ . . . 16 . 65
Bromide, 1-oz vials......................................................................... . . 41
Chloride (Calomel) ............. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1 lb 95
Cyanide, 1-oz vials.................................................................... . . 2 . 29
Iodide, green, Mallinckrodt's, 1-oz vials........................................ 28
Iodide, red, 1-oz vials............................................................... . . . . . 31
Iodide, yellow, 1-oz vials......................................................... . oz 29
Nitrate, proto., 1-oz vials........................................................... oz 28
Nitrate, solution, 1-oz vials........................................................... . 22
Oxide, black, 1-oz vials................................................................ . . . 18
Oxide, yellow, 1-oz vials............................................................... . . . 18
Salicylate, 1-oz vials............................................................... . . . . . 49
Subsulphate, 1-oz vials............................................................. . . . . 15
Subsulphate, 1-1b bottles........................................................... . . 1 lb . 08
Sulpho-Cyanide, 1-oz vials............................................................ . 29 . 29
Sulphuret, black, 1-1b bottle....................................................... 1 lb is
Tannate, 1-oz vials....................................................................... . 38
With chalk, 1-1b bottles............................................................ 1 . 49
With Magnesia, 1-1b bottles..................................................... . . 1 b . 12
MERCURIAL OINTMENT, $1 / 2$ Mercury, $1-1 \mathrm{~b}$ jars.................................. 1 b . 0

MILK SUGAR, powdered......................................................................... ${ }^{2}$. ${ }^{5}$
MEZEREON, bark, powdered................................................................. 3 lb 35
MICRAZOTOL (Antiseptic Sol. Eucalyptol Comp.), pt. 60; 5-pt. bot. $\$ 2$ 60; gal 375
MORPHINE, Acetate, $1 / 8$-oz vials............................................................ 27.
Acetate, 1-oz vials................................................................... . oz 250





Sulphate, $1 / 8$-oz vials. ............................................................. oz 275
1 " .............................................................................. 50
Valerianate, $1 / 8-$ oz vials. .......................................................each 55
MOSS, Iceland. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 15 . 15

MUSK, Chinese............................................................................................ 35
Tonquin, grain, $1 / 8-\mathrm{oz}$ vials .....................................................each 450
MUSTARD, seed, black.................................................................... . . . . 10 . 10
white, English........................................................ . . . 12
ground, pure.................................................................... . . 30

## DRUGS AND CHEMICALS.

Prices include containers.
MYRRH, gum (select) ..... lb \$0 45
powdered ..... 50
NAPHTHA, (wood naphtha), 1-lb. bottles ..... 35
NAPHTHALINE, pure ..... 15
NAPHTHOL, pure ..... 34
Beta ..... 20
NARCEINE, $1 / 8$-oz vials ..... 100
NARCOTINE, $1 / 8$-oz vials. ..... 125
NICKEL, Bromide, 1 -oz rials ..... 47
Chloride, 1 -oz vials ..... 24
Nitrate, 1 -oz vials ..... 27
Oxide, 1 -oz vials ..... 34
Sulphate, $1-\mathrm{oz}$ vials ..... 14
Sulphate and Ammonia ..... 44
NITROGLYCERINE, solution (1 per cent.) oz 15, $1 / 41 \mathrm{lb} 35$ ..... 110
NUTGALS, Aleppo, powd ..... 30
NUTMEGS ..... \%0
Powdered ..... 80
NUTS, Areca, powd ..... 30
Kola, powd ..... 60
NUX VOMICA, powd ..... 22
Prices include containers. 1-oz vials, $4-\mathrm{oz}$ vials, Per lb.
OIL, Almonds, bitter ..... $\$ 060$
sweet ..... 10
$\$ 025$ ..... \$0 \%0
Amver, rectified ..... 20 ..... 50
Anise ..... 20Arnica50
Bay, imported ..... 50
Benne, gallon \$1.20, container extra ..... 25
Bergamot ..... 30 ..... 350
Black Pepper ..... 15
British ..... 5530
Cade ..... 40
Cajeput ..... 90
Camphorated ..... 40
Capsicum ..... 75
Caraway ..... \%0 ..... 230
Cardaınom ..... 300
Cassia ..... 40 ..... 130
Castor, pure, gallon $\$ 1.40$, container extra ..... 25
Cedar, pure ..... 20 ..... 70
Chaulmoogra ..... 80 ..... 300
Cinnamon, Ceylon, true ..... 125
Citronella ..... 12 ..... 75
Cloves ..... 15 ..... 110 ..... 35
Cocoanut ..... 25

## DRUGS AND CHEMICALS.

Prices include containers. 1-oz. vials. $4 \cdot o z$. vials Pel $1 b$
OIL, Cod Liver, Norwegian, gallon \$1.25, container extra ..... \$0 25
Copaiba \$ 015 ..... $\$ 040$ ..... 125
Coriander ..... 80
Cottonseed, gallon 80c., container extra ..... 20
Croton, English ..... 15 ..... 125 ..... 40
Cubebs ..... 45
Cumin. ..... 40
Erigeron (Fleabane) ..... 25
Eucalyptus ..... 20
Fennel ..... 25
Fireweed ..... 25
Geranium, Rose-Chiris ..... 100
Hemlock .....
Horsemint ..... 22
Horseradish ..... 120
Juniper Berries ..... 20
Wood ..... 10
Lavender flowers, Chiris ..... 30
Garden ..... 12
Lemon ..... 25
Lobelia ..... 75
Male Fern ..... 35
Mullein, Genuine ..... 65
Mustard, essential ..... 60
Neroli, Bigarade ..... 325
Petit grain ..... 60
Nutinegs ..... 35
Olive, Malaga, gallon $\$ 1.00$, container extra ..... 25
". Tuscan, salad ..... 40
Orange, Sanderson`s ..... 30 ..... 300Origanum, commercialred, pure
25
Pennyroyal
30
Peppermint
25
Pimento
15
Pine Needles
65
Pumpkin Seed
Rhodinm ..... 45
True ..... 80
Rose, 1-drachm vials, each $\$ 1.10$ ..... 800
". Geranium ..... 100
Rosemary
Sandalwood, East India ..... 60
German ..... 35
Sassafras110
Savin, German ..... 20 ..... 160
Smartweed ..... 3.5
15 ..... 40$30 \quad 100$$70 \quad 250$
85 ..... 3.5
35 ..... 110
80 ..... 300
1755020$60 \quad 200$
80 ..... 285
25
25 ..... 70
22550
90 ..... 3060
120 ..... 450
DRUGS AND CHEMICALS
Prices include containers. $1-0 z$ rials. $4-\mathrm{oz}$ vials. Per 1 ls. \$0 25 \$0 70 ..... $\$ 250$
OIL, Spearmint
Sperm, gallon, $\$ 1.10$, container extra ..... 25
Spike ..... 25
Spruce ..... 60
Stillingia ..... 70
Stone ..... 25
Tansy ..... 30 ..... 95 ..... 350
Tar ..... 20
Thyme, white, pure ..... 150
Turpentine, rectified ..... 45
Wine, heavy ..... 45 ..... 135
light ..... 30 ..... 100
Wintęrgreen ..... 65
Wormseed ..... 25
Wormwood ..... 45
OINTMENT, U. S. P ..... 25
Basilicon ..... 25
Bearsfoot ..... 40 ..... 40
Belladonna ..... 45 ..... 80
Benzoinated, U. S. P ..... 30
Bitter Sweet, true, Dulcamara ..... 40 ..... 70
false ..... 70
Boroglyceride, 25 per cent ..... 65
Thymolated ..... 40 ..... т0Ointment of Boroglyceride is free from irritating prop-erties. It lessens suppuration, acts as a detergent, andforms a soothing and disinfecting application. It may beemployed as a dressing to fresh wounds, burns or scalds, toprevent the action of atmospheric germs, or to arrest de-composition in gangrenous, sloughing or ill-conditionedwounds, etc.
Cantharides, U. S. P4580
Carbolic, ..... 30 ..... 50
Chrysarobin, ..... 50 ..... 90
Citrine, U. S. P ..... 35
Diachylon ..... 152560
Elder Flowers4040
Gallic Acid, U. S. P3570
Iodide of Lead, U. S. P ..... 4560
Iodine, U. S. P ..... 40 ..... 70
Iodoform, U. S. P ..... \% 0
Mayer's, A. D4015270
Mercurial, $1 / 2$ mercury ..... 40 ..... 70
35 ..... 60
Mercury, ammoniated, U. S. P ..... 35 ..... 60
" Red Iodide, U. S. P. ..... 55 ..... 00
" Red Oxide, U. S. P ..... 35 ..... 60
" Yellow Oxide, U. S. P ..... 55 ..... 100

## DRUGS AND CHEMICALS.



## DRUGS AND CHEMICALS.

OLEO RESIN, Cubebs Prices include containers
Male Fern ..... oz $\$ 050$ ..... oz ..... 60
OPIUM (For fluid prep. of Opium, see Tinctures)Denarcotized
75
Gum (natural), select. ..... 350
powdered, U. S. P., assayed. ..... 475
Orange Peel (bitter), powd., $1 / 4 \mathrm{lb} ., 10$ ..... 35
25" " (sweet), powd., $1 / 4 \mathrm{lb} ., 10$
Orris Root (Iris Florintina), $1 / 4 \mathrm{lb} ., 15$ ..... 25
" " powd., $1 / 4 \mathrm{lb} .15$. ..... 50
50
50
OXGALL, Inspissated
20
20
Purified
Purified
25
25
PALIETTO COMPOUND, Fluid per pint ..... 100
per 5-pint bot ..... 450Contains the combined medicinal constituents of Saw Palmetto Berries, CouchGrass root and Sandal-wood. In the preparation of this compound the fixed oil ofSaw Palmetto Berries and all inert resinons matter are rejected and the finishedproduct thus purified represents the crude drugs minim for grain.
PANCREATIN, pure, C. T. G. \& Co's
75
75
Five grains will completely peptonize a pint of milk at $110^{\circ} \mathrm{F}$. in about 30 to 40 minutes.
PEPPER, black
18
" powdered ..... 20
white
35
35
powdered
40
40
PEPPERMINT, herb, powdered
30
30
PEPSIN, pure (scale), $1-\mathrm{oz}$ bottles ..... 75One grain will dissolve 2,500 grains of coagulated albumen. It is comparativelyfree from odor and entirely soluble in cold water.
PEPSIN, pure (powder), $1-\mathrm{oz}$ bottles ..... 75
This Pepsin is of the same digestive strength as Pepsin pure in scales.
PEPSIN, saccharated, U. S. P., 1880 ..... $\begin{array}{cc}\text { oz. } & 1 / 4 \mathrm{lb} \\ \$ 0 \quad 20 & 45\end{array}$ ..... lb.
One grain will dissolve 50 grains of coagulated a!bu-
men.
PEPSIN, saccharated, active3585One grain will dissolve 200 grains of coagulated al-bumen.
PETROLALUM, Extra Yellow, is
15
15
Extra Yellow, 5s ..... 12
Carbolated, 1s ..... 20
5 s
18
18
White, 1 s ..... 18
PHOSPIIORUS, $1-\mathrm{oz}$ cans ..... 16 ..... 25

## DRUGS AND CHEMICALS.

Prices include containers.
PILOCARPIN, pure, 5 and 10 gr vials .gr ..... $\$ 014$
Muriate, cryst., 5 and 10 gr vials ..... 12
Nitrate, 5 and 10 gr vials ..... 10
Sulphate, Merck's, 5 -gr vials ..... 16
PIMENTO ..... 12
Ground ..... 15
PINK ROOT, powd ..... 45
PIPSISSEWA, Plant. ..... 30
Powd ..... 35
PLASTER PARIS, Dental ..... 04
PLASTERS, Adhesive, $1 / 2-1 \mathrm{~b}$ rolls ..... 40
Belladonna, $1 / 2-1 \mathrm{~b}$ rolls ..... 120
Diachylon, $1 / 2-\mathrm{lb}$ rolls ..... 40
Mather's, $1 / 2-1 \mathrm{~b}$ rolls ..... 50
Resin, $1 / 2-\mathrm{lb}$ rolls ..... 40
Tar Comp. (irritating) ..... 35
PLEURISY ROOT, powd ..... 30
PODOPHYLLIN ..... 20
POKE ROOT, powd ..... 25
POMEGRANATE ROOT, bark ..... 40
POPLAR, bark, white, powd. ..... 20
yellow, powd ..... 25
PORTER (see Wines and Liquors).
POTASSA, Caustic, white sticks ..... 49
With Lime ..... 65
Solution (Liquor Potassæ) ..... 30
POTASSIUM, $1 / 4-$ oz. vials ..... 200
Acetate, Mallinckrodt's ..... 45
Acetate, chemically pure. ..... 70
Arseniate, 1 -oz vials. ..... 14
Arsenite ..... 19
Benzoate, 1 -oz vials ..... 44
Bicarbonate, cryst., $1-1 \mathrm{~b}$ cartons ..... 19
Bicarbonate, powd., 1-1b cartons ..... 23
Bicarbonate, granulated, $1-1 \mathrm{~b}$ cartons ..... 34
Bichromate ..... 18
Bichromate, chemically pure. ..... 59
Bisulphate, 1 -lb bottles ..... 59
Boro-Tartrate, $1-\mathrm{lb}$ bottles ..... 109
Bromide, cryst., Mallinckrodt's, 1-lb cartons ..... 41
Bromide, gran., Mallinckrodt's, 1-lb cartons. ..... 41
Bromide, powd., 1-1b cartons ..... 47
Carbonate, 1-lb bottles ..... 23
Carbonate, chemically pure, 1 -lb bottles ..... 59
Chlorate, cryst., 1-lb cartons. ..... 24
Chlorate, gran., pure, Mallinckrodt's, $1-1 \mathrm{lb}$ cartons. ..... 32
Chlorate, powd., $1-1 \mathrm{lb}$ cartons ..... 26

## DRUGS AND CHEMICALS.

Prices include containers.
POTASSIUM, Chloride, pure, $1-1 \mathrm{lb}$ bottles ..... lb \$0 44
Chromate, pure (neutral) ..... 59
Citrate, Mallinckrodt's, 1-lb bottles. ..... 76
Cyanide, fused, 1-lb bottles. ..... 69
Cyanide, gran., 1-lb bottles ..... 89
Cyanide, C. P ..... 81
Ferricyanide, potash, coml ..... 65
Ferrocyanide, chemically pure ..... 134
Hypophosphite, 1 -oz vials ..... 19
Hypophosphite, 1-1b bottles ..... 154
Iodide, cryst. or gran., Mallinckrodt's, $1-1 \mathrm{~b}$ bottles. ..... 309
Ioclide, bulk ..... 300
Iodo-Hydrarg, 1 -oz vials ..... 7
Meta Bisulphite ..... 19
Nitrate, cryst., Mallinckrodt's, 1-lb cartons ..... 18
Nitrate, cryst., bulk ..... 08
Nitrate, powd., bulk ..... 10
Nitrate, granulated ..... 10
Nitrate, chemically pure ..... 42
Nitrate, pure, in sticks. ..... 19
Oxalate, Neutral ..... 30
Permanganate, cryst., Mallinckrodt's, 1-oz vials ..... 10
Permanganate, cryst., pure, $1-1 \mathrm{~b}$ cartons. ..... 37
Phosphate, 1 -oz vials ..... 14
Phosphate ..... 99
Prussiate, red, bulk ..... 65
Prussiate, yellow, coml., bulk ..... 35
Salicylate, $1-\mathrm{oz}$ vials ..... 37
Silicate, 1-1b bottles ..... 23
Sulphate, powd ..... 16
Sulphate, chemically pure ..... 40
Sulphite ..... 59
Sulpho-Carbolate, $1-\mathrm{oz}$ vials ..... 15
Sulpho-Cyanide, 1 -oz vials ..... 19
Sulphuret (Liver Sulphur) ..... 31
Tartrate (Soluble Tartar) ..... 64
POWDER, roots, herbs, etc. A full line.
POWDERS, Seidlitz. .per doz. boxes ..... 225
PRICKLY ASH, bark, powd ..... 30
Berries, powd ..... 50
PROPYLAMIN, pure, liquid, 1 -oz vials ..... 45
Chloride, $1 / 8-\mathrm{oz}$ vials ..... 400
PUMICE STONE, select, lump ..... 08
Powd ..... 07
QUASSIA, Chips ..... 12
Powd ..... 20
QUEEN OF THE MEADOW, herb, powd ..... 30

## DRUGS AND CHEMICALS.

QUICKSILVER (see Mercury).
Prices include containers.QUINIDINE, SULPHATE, 1-oz vials
Sulphate, $5-\mathrm{oz}$ cans. ..... 43
QUININE, Acetate, $1-\mathrm{oz}$ vials ..... 88
$\dot{\Phi}$ Alkaloid ..... 85
Arseniate, $1 / 8-$ oz vials ..... 95
Bisulphate, 1 -oz vials. ..... 34
Bisulphate, $5-\mathrm{oz}$ cans. ..... 29
Borate, 1 -oz vials ..... 90
Cincho, 1 -oz vials ..... 110
Citrate, 1 -oz vials. ..... 75
Dextro, 1 -oz vials. ..... 150
Hydrobromate, 1-oz vials ..... 75
QUININE, Hypophosphite, 1-oz vials ..... 105
Lactate 1-ozvials. ..... 97
Muriate, 1 -oz vials ..... 74
$\underset{\underset{y y}{\infty} \text { Phosphate, } 1-\mathrm{oz} \text { vials } . ~}{\dot{\infty}}$ ..... 80
Salicylate, 1-oz vials. ..... 74
Sulphate (C. Truax, Greene \& Co's.), 5-oz cans ..... 25
1-oz bottle. ..... 30
" German $100-$ oz cans ..... 23
" R\&H., see page 216.
" P. \& A W.'s, 1 -oz vials ..... 34
" " $1-\mathrm{oz}$ cans ..... 32
5-oz cans ..... 29
Tannate, $1-\mathrm{oz}$ vials ..... 39
Valerianate, $1 / 8$-oz vials ..... 106
QUIN-QUINIA, $1-\mathrm{oz}$ vials ..... 75
RED PRECIPITATE ..... 110
RED SAUNDERS ..... 10
RESIN, Copaiba ..... 120
Jalap ..... 50
Scammony ..... 45
RHUBARB, root, (E. I.) ..... 75
" " powd ..... 80
" (China), select ..... 100
" " powd. ..... 120
" " clippings. ..... 60
" " cubes or fingers ..... 175
ROCHELLE SALTS, powd ..... 30
ROOTS, BARKS, LEAVES, ETC. A full line at market rates.
ROSIN, common ..... 1b 5
" $25-\mathrm{lb}$ boxes ..... 3
" $50-1 \mathrm{lb}$ boxes ..... $21 / 4$
Powdered ..... 10
RUM, New England,
Jamaica, imported St. Croix

## DRUGS AND CHEMICALS.

SAL, Acetosella ..... lb $\$ 025$
Crab Orchard ..... lb 25
Epsom ..... 05
Epsom, 5 lbs or more ..... 03
Glauber ..... 03
Glauber, 5 lbs or more ..... 02
Nitre, pure, crystals ..... 08
Nitre, pure, granulated ..... 10
Prunelle ..... 32
Rochelle ..... 30
Soda ..... 03
Scda, 50-lb boxes ..... 11/2
Tartar, bottle ..... 23
SALICIN, oz 20, 3/4-lb 50 ..... 185
SALOL, oz 35, 1/4-lb $\$ 120,1 / 2-\mathrm{lb} \$ 230$ ..... 450
SALT, Carlsbad, artificial, bulk ..... 20
Genuine, 1/4-lb bottles ..... 700
Crab Orchard, artificial ..... 25
Sea ..... 05
SANTONIN ..... 40
sarsaparilla, Honduras ..... 45
Honduras, ground ..... 45
powd ..... 50
Mexican ..... 24
" ground ..... 26
powd ..... 30
SASSAFRAS BARK ..... 15

- powd ..... 20
Pith ..... 10
SCULLCAP herbs, powd. ..... 40
SEEDS, whole and powdered. A full line at market rates.
SENEGA ROOT, powdered ..... 85
SENNA (Alex), leaf ..... 35
powd ..... 40
(Tinnev), leaf ..... 30
" powd ..... 25
SERPENTARIA, root, powd ..... 45
SILVER, Bromide, Mallinckrodt's, 1-oz vials ..... 159
Cyanide, 1 -oz vials ..... 154
lodide, 1 -oz vials ..... 154
Nitrate, Cryst ..... 68
" Cones ( 5 per cent. choride) ..... 81
" fused (lunar caustic) ..... 71
Oxide ..... 149
SOAP, Castile, mottled. ..... 10
" white, "Conti's" ..... 15


## DRUGS AND CHEMICALS.

Prices include containers.SOAP, castile, white, powdlb $\$ 0$$\$ 035$
Palestine "Carmel" (6 cakes in box) ..... doz 100
Green, German, 1-1b cans ..... 20
SOAP TREE, bark, powd ..... 20
SODA, Caustic, sticks, 1-lb bottles ..... 50
(purif. by alcohol), $1-1 \mathrm{lb}$ bottles ..... 94
Solution, Chlorinated, 1-lb bottles ..... 20
U. S. P., 1-1b bottles ..... 25
SODIUM, $1-\mathrm{oz}$ vials, oz., 40 ets ..... 275
Acetate, Mallinckrodt's ..... 25
Acetate, Fused, Anhydrous ..... 14
Arseniate, Mallinckrodt's, 1-oz vials ..... 14
Arsenite, 1 -oz vials ..... 14
Benzoate, 1 -oz vials ..... 14
Benzoate, 1-1b bottles ..... 100
Biborate, pure ..... 37
Bicarbonate, English ..... 06
Bicarbonate, Natrona ..... 06
Bicarbonate, C. P., powd ..... 27
Bichromate, 1-1b bottles ..... 33
Bisulphite, 1-1b bottles ..... 34
Bisulphite, solution ..... 30
Bromide, 1-lb bottles ..... 55
Carbolate, 1 -oz vials ..... 24
Carbonate, pure cryst ..... 12
Carbonate, dried, purified ..... 22
Chlorate, 1 -oz vials ..... 10
Chlorate, pure, granulated. ..... 10
Chlorate, pure, granulated ..... 47
Chloride, chemically pure ..... 32
Choleate, 1 -oz vials ..... 35
Citrate, Mallinckrodt's ..... 76
Hypophosphite, 1 -oz vials. ..... 19
Hyposulphite ..... 07
Hyposulphite, gran., C. P ..... 22
Iodide, 1 -oz vials ..... 36
Iodide, 1 -lb bottles ..... 388
Nitrate, gran., pure, 1-lb bottles ..... 34
Nitrate, purified, powd ..... 27
Nitrite, pure, in sticks ..... 19
Oxalate, 1-1b bottles ..... 84
Permanganate, $1-1 \mathrm{~b}$ bottles ..... 84
Phosphate, pure, recryst ..... 28
Phosphate, gran., Mallinckrodt's ..... 35
Phosphate, dried, powd ..... 33
Phosphate and Ammonia ..... 119
Pyrophosphate, 1-oz vials ..... 21

## DRUGS AND CHEMICALS.

SODIUM, Pyrophosphate, 1 -lb bottles Prices include containers.
Salicylate, $1-\mathrm{oz}$ vials ..... oz 21
Salicylate, $1 / 4-1 \mathrm{~b}$ bottles ..... each 45
Salicylate, $1 / 2-1 \mathrm{~b}$ bottles. ..... each ..... 80
Salicylate, 1 -lb bottles ..... 155
Salicylate, Scherring's ..... lb ..... 250
Santonate ..... 49
Silicate, sol ..... 18
Succinate, 1 -oz vials ..... 24
Sulphate, pure, granulated
34
34
Sulphate, pure, cryst ..... 34
Sulphide, cryst ..... 70
Sulphite, cryst ..... 22
Sulphite, dried, powd ..... 22
Sulpho-Carbolate, $1-\mathrm{oz}$ vials ..... 13
Sulpho-Carbolate ..... 100
Sulpho-Vinate ..... 16
Tannate, 1 -oz vials
29
29
Tartrate ..... 64
Tungstate, pure, 1 -oz vials ..... 11
Valerianate, Mallinckrodt's ..... 82
SOLOMON'S SEAL, root, powd ..... 30
SOZOIODOL, Mercury ..... 100
Potassium ..... 70
Sodium ..... 75
Zinc ..... 95
SPARTEIN, Sulphate, cryst, Merck's 1-oz vials ..... 04
15 -gr vials, each ..... 20
SPERMACETI ..... 40
SPIKENARD, root, powd ..... 30
SPIRIT Ammonia, $1 / 4 \mathrm{lb} ., 15 \mathrm{cts}$ ..... 55
Aromatic, $1 / 4 \mathrm{lb}$., 20 cts ..... 60
Camphor, $1 / 4 \mathrm{lb}$., 20 cts ..... 50
Chloroform, $1 / 4 \mathrm{lb}$., 20 cts ..... 60
Ether Comp. (Hoffman's Anodyne) true, $1 / 4 \mathrm{lb}$., 30 cts ..... 100
Com'l.. $1 / 4 \mathrm{lb}$., 20 cts ..... 65
SPIRIT, Ether Nitrous (Sweet Spirits of Nitre) ..... 50
gal
350
350
Glonoin (Nitroglycerin 1 per cent), 1 oz., 15 cts.; $1 / 4 \mathrm{lb} ., 35 \mathrm{cts}$ ..... 110
Mindererus ..... lb ..... 30
Turpentine (See Turpentine).
Wintergreen, $1 / 4 \mathrm{lb}$., 25 cts ..... 75
SQUILL, sliced ..... 15
Powd ..... 50
STILLINGIA ROOT, grd. ..... 25
Powd ..... 30
STILLINGIN, Resinoid. ..... 83

## DRUGS AND CHEMICALS.

Prices include containers.
STRAMONIUM, leaf, powd. ..... lb \$0 30
Seed, powd ..... 30
STRONTIUM, Bromide, Cryst, Mallinckrodt's ..... 26
Carbonate ..... 54
Iodide. ..... 67
Lactate ..... 34
Muriate ..... 39
Nitrate ..... 10
STROPHANTHIN, 5 gr., v. ..... 200
STRYCHNINE, crystals, Mallinckrodt's, 1 oz. vials ..... 145
1/8 oz. vials ..... 20
powd., 1 oz . vials ..... 145
$1 / 8 \mathrm{oz}$. vials ..... 20
Acetate, $1 / 8 \mathrm{oz}$. vials ..... 25
solution (Hall's) ..... 40
Arseniate, $1 / 8 \mathrm{oz}$. vials ..... 40
Arsenite, $1 / 8 \mathrm{oz}$. vials ..... 50
Bromide, $1 / 8 \mathrm{oz}$. vials ..... 30
Citrate, $1 / 8 \mathrm{oz}$. vials ..... 30
Hypophosphite, $1 / 8 \mathrm{oz}$. vials. ..... 35
Muriate, $1 / 8$ oz. vials ..... 25
Nitrate, $1 / 8 \mathrm{oz}$. vials ..... 25
Phosphate, $1 / 8 \mathrm{oz}$. vials ..... 30
Sulphate, crystals, Mallinckrodt's, 1 oz. vials ..... 140
$1 / 8 \mathrm{oz}$. vials ..... 20
powd., 1 oz . vials ..... 140
1/8 oz. vials ..... 20
Valerianate, $1 / 8 \mathrm{oz}$. vials ..... 50
SUGAR LEAD, white, bulk ..... 20
powd., bulk ..... 30
SUGAR MILK, powd ..... 25
SULPHUR, sublimed (flowers of sulphur) ..... 05
Iodide, Mallinckrodt's ..... 47
Precipitated, pure (Lac. Sulphur), bulk. ..... 15
1 lb . cartons ..... 18
Washed, 1 lb . cartons ..... 15
TALCUM, Purified ..... 25
TANNIN (see acid Tannic) carton incl., oz. 20, $1 / 4 \mathrm{l}$ lb. 40 ..... 140
TAR, Barbadoes, true ..... 25
Pine, pt. cans per doz ..... 80
qt. per doz ..... 140
gal. ..... 35
TARTAR EMETIC, Powdered, $1 \not 14$ lb. 20 ..... 56
TEREBENE, oz. 13; 1/41b. 30 ..... 100
TERPIN HYDRATE, cryst., 1 oz . bot ..... 30
THEINE, $1 / 8 \mathrm{oz}$. vial ..... 10
THYMOL, Cryst., U. S. P ..... 40
TINCTURES, German.4 oz.
Aconite bottles.\$0 50
Arnica ..... 50
Belladonna ..... 50
Bryonia ..... 50
Chamomilla ..... 50
Chelidonium ..... 65
Conium ..... 50
Digitalis ..... 50
Drosera ..... 65
Elaterium (fruit.) ..... 70
Hyoscyamus ..... 50
Pulsatilla ..... 50Rhus Toxicodendron65
Sticta Pulmonaria ..... 65
Homeo (a full line).
TINCTURE, Aconite Root, U. S. P, ..... $\$ 020$
Aconite Root, Fleming's ..... 25
This is double the strength of the officinal.
Aloes, U. S. P ..... 20
" and Myrrh, U. S. P. ..... 25
Antiperiodic, (Warburg's Tincture) ..... 40
Arnica flowers, U. S. P ..... 20
Asafœtida, U. S. P. ..... 20
lbAvena Sativa, Keith's ...............................lb
"،
"،
"Avena Sativa, Keith's $\ldots . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . e a c h ~$\$0 353560150
85
Belladonna, U. S. P. ..... 5050
Benzoin, U. S. P ..... 60
". Comp., ..... 40 ..... 65
Black Cohosh ..... 35 ..... 60
Comp. ..... 35
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Each fluidrachm contains 12 minims each of Tinct. Opium, Spts. Camphor and Tinct. Capsicum, and $41 / 2$ minims Chloroform.
Orange, bitter
Prices include containers.
TINCTURE, Pectoral, Bateman's Pectoral Drops4 -oz. bots. 8 -oz. bots.1-1b. Bots.each. each.
each.

Each fluidrachm contains $21 / 2$ mimims of Tincture of Opium.| $\$ 0$ | 20 |
| :--- | :--- |
| each. |  |
| $\$ 0$ | 35 |each.

$\$ 060$$\$ 035$
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Prices include containers.
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White, Star Brand ..... 60
Yellow, Prime ..... lb ..... 40
WHISKEY (see Wine and Liquor List)WHITE PRECIPITATE (See Mercury Ammoniated).
4 oz . bots 8 oz . bots. 1 lb . bots.
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YERBA SANTA COUGH MIXTURE ..... 65 ..... 265 ..... 400
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This self-Acting Oats Cleaner is the most important invention ever produced for the horse, and when horse-owners become satisfied that it has the merit claimed, the cleaner is unhesitatingly installed in every stable.

I do not ask any one to accept my statements without subjecting them to the severest test, by having one put up in your stable on trial and under your own control. It costs you nothing to try it.

Dr. A. H. Baker, of Chicago Veterinary College, Assistant State Veterinarian, has had one in use for three years, and speaks in the highest terms of the satisfactory manner in which it does its work.

I will send a Cleaner to any responsible party on two weeks' trial. If not satisfactory it may be returned at my expense. What can be fairer?

Please send for descriptive circular and price list, which describe the cleaners fully and contain hundreds of names and testimonials of prominent horse-owners who are using these Cleaners and who would not be without them.
Cleaners are shipped ready to put up, which anyone can easily do.

## Thomas Whitfiedd,

Reliable Agents Wanted in every Town and City...

369 Wabash Ave., CHICAGO, ILL.

SOLE OWNER AND MANUFACTURER.

Any infringement of this machine...
will be promptly prosecuted...

# WILLIAM H. WIGMORE,  of the following 

FIG.

1-Wigmore's Patent Caponizing Set...... $\$ 300$
2-Farmer Miles’ "، "...... 700
2a-Farmer Miles' Caponizing Set, Impvd 400
3-Chinese "، "....... 400
4-Latest Improved " " $\ldots \ldots \ldots .400$
5-Plain " " $\ldots . .$.
6-Staples for Holding Bird ................. 10
7-Patent Capon Scoop and Hook........... 150
8-Capon Spoon Forceps, Straight.......... 100
9 -Capon Spoon Forceps, Curved........... 100
10 -Capon Spreaders, Farmer Miles'.. ..... 300
11-Capon Forceps, " " $\quad$...... 300
11a-Capon Forceps, " "Improv'd 250
12-Capon Knife, " "
13-Capon Nickel Plated Spreaders.......... 100
13a-Capon Nickel Plated Spreaders, latest 100
14-Capon Plain Wire Spreaders.... . ... 50
15- Capon Latest Improved Steel Wire
Canulas $\ldots . . . . . . . . . . . . . . . . . . .200$
16-Capon Chinese Spreaders ................. 150
17-Capon ChineseCanulas,latest improved 100
18-Capon Chinese Knives and Forceps.... 100
19-Capon Chinese Spoon and Hook......... 100
20-Capon Probe and Spatula .................. 20
21-Capon Hooks.
${ }^{2} 0$
22 - Capon Hooks and Cords .................... 20
23 -Poultry Markers

FIG.
${ }_{24} 4^{-1}$ Distinguishing Rings....... per doz., 36e 805 25-Adjustable Distinguishing Rings " 50 c © 05 26-Poultry Syringes and Recipe........... 10 27-French Poultry Killing Knife ............. 50 28-Anti-Feather Pullers...... .................. 10
29-Sterling Silver Milking Tubes .............. 50
29a-Silver Plated " "........ 30
29 b -Sterling Silver " " pat.ap'd for 75
29 c -Heavily Sil. Plat. Milk. Tubes "" for 50
29d-Sterling Silver S. R. "~ " $\quad$ " 100
$29 \mathrm{e}-\mathrm{Heavily}$ Sil.Pla.S.R." " " 75
30 -Sterling Silver S. R. " "....... 70
30a-Silver Plated S. R. " "Obstruc.... 45

30b-Instrument for Opening Obstructed
Cow's Teats.
31-Wigmore's Cow Teat Slitters. ..... 200
31a-Improved Three Ring Teat Slitter... ..... 300
31 b -Wigmore's Teat Dilators ..... 125
31c-Horse or Cattle Flexible Syringe
80
80
32 -Wigmore's sheep and Cattle Trocars. ..... 200
33-White Metal Cattle Labels, sample 10 c doz. ..... 80
34-White Metal Sheep Labels, sample 10c doz. ..... 70
35-Gape's Exterminator ..... 25
36-Practical Caponizing and How to Make Poultry Pay. ..... 25

Any of the above goods sent by mail, postpaid, for the price stated. In pay for goods, send check to my order, money order, postal note or stamps.


Wigmore's Patent Caponizing Set contains 1 pair latest Improved Spreaders, 1 Hook and Scoup, 1 Probe and Spatula, 1 Knife and Forcsps, $i$ Set of Cords and Hooks, all in velvet-ined case, with 64 -page Book of Instructions, sent by mail, price

SIZE:

Y. P. I. Yare Perfect Injector. This injector answers a double purpose, being syringe and bottle at the same time, small enough to carry in the vest pocket; Yare: quick, always ready. Cnt shows \% size.
Dr. Thomas J. Mo. con says:
"By its use Gonorrbiea can be cured in a surprisingly short time."
Sent by mail on receipt of price, \$2.00. Liberal discounts to the trade.


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## Chas. Truax, Greene \& Co.



## Dr. N. Senn's Pocket Operating Case

## COMPRISING

2 Kocher's Artery Forceps
1 Spring Dressing Forcep, slide catch, 3 teeth
I " " " slide catch, 5 teeth
1 Straight Scissors
1 Exploring Trocar
2 Double Retractors, sharp and blunt
1 Gouge for operating on the skull
2 Serresfins
1 Bulldog Artery Forcep \& Needle Holder
1 Director and Tongue Tie
1 Little's Saw

- Scalpel

1 Straight Sharp Point Bistoury
1 Curved
" Curved Blunt " "
1 Tenotomy Knife

I Aneurism Needle
1 Tenaculum
I Fenestrated Bone Scoop and Periosteotome
1 Ear Hook and Curette
1 Pair of Senn's Bullet Probes,
Porcelain heads for No. 22 ant
No. 3 S calibre bullets
1 Male and Female Catheter
$1 / 2$ dozen Straight Triangular Needles
$1 / 2$ dozen Straight Round Needles
$1 / 2$ dozen Assorted Curved Needles
(Needles in Asbestos Clcth

+ sizes Silk on Metal Cards
$1 / 2$ dozen Silkworm Gut Ligatures

The above contained in a solid german silver case with removable trays. All instruments with aseptible handles and joints. Size of case, $11 / 8$ inch thick, $21 / 2$ inches wide and 5 inches long.


# DIAGRAM SHOWING ARRANGEMENT OF -DR. SENNS POCKET OPERATING CASE~ 

This case offers a large assortment of instruments in a most compact form. Careful attention has been given to the selection and construction of each instrument, none but the most approved patterns having been adopted. With it any amputations may be made, a laparotomy performed or any ordinary operation in Surgery successfully accomplished. The locks, joints and handles are all aseptible and of the highest possible quality.

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[^0]:    Fig. 10080. Brainard’s Bone Drills, Aseptible

[^1]:    Fig. 10432. Rowelling Scissors, plain.

[^2]:    Fig. 10970. Mullen's Foal Hook

