

1906

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No. 12

ILLUSTRATED CATALOGUE OF

TOOLS

The Vokes Hardware Co.
LIMITED

111-113 Yonge St., (CORNER
ADELAIDE)

TORONTO,

:::

CANADA.

Introduction

IN presenting this Catalogue it is gratifying for us to know the hearty endorsement which our goods have met with at the hands of our customers.

Our constant endeavor is to sell high-grade goods of the best quality and finish at the lowest possible prices. The increase of sales shows that our efforts have been appreciated and the superiority of our goods conceded.

Thanking our customers for past business, and hoping to be favored with an increased share of their patronage, we remain,

Yours truly,

The VOKES HARDWARE CO., Limited.

Terms

Prices in this catalogue are NET CASH, and are subject to change without notice.

All goods are guaranteed equal to the catalogue representation and description, and if not found so we will cheerfully exchange for other articles, or refund the purchase price, as you may direct.

All claims must be made within 5 days after receipt of goods.

Unless parties are known to us or furnish us with satisfactory commercial reference, cash must always accompany orders.

Orders to be filled C.O.D. should be accompanied by a cash deposit sufficient to cover cost of transportation both ways.

All goods at the risk of purchaser after being receipted for as in good order by the carrier.

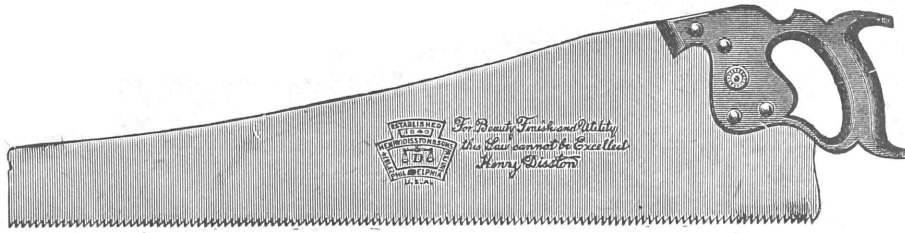
Goods sent by mail are at purchaser's risk.

The safest way to send money is by Express Money Order; the next best way is by Post Office Order or Postal Notes.

Do not send money in an unregistered letter, it is unsafe.

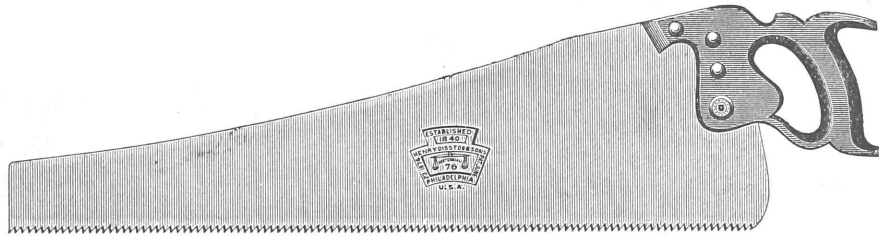
The rate of postage on goods going by mail is one cent per ounce. Registration, five cents per package extra.

621.90029
V58.2

Disston's Hand, Panel and Rip Saws

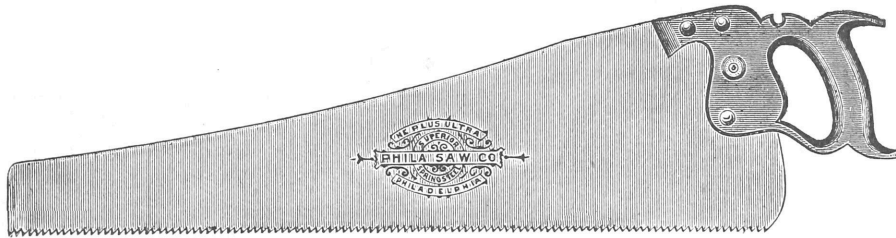
No. D 8—Warranted Spring Steel, Skew Back, Apple Handle, Polished Edge, 5 Improved Brass Screws

Length of Blade	18	20	22	24	26 inches
Price each	\$1 35	1 45	1 65	1 75	1 85



No. 76—Disston and Sons' Centennial, Cast-steel Warranted, Apple Handle, Polished Edge, Skew Back, 4 Screws

Length of Blade	18	20	22	24	26 inches
Price each	\$1 15	1 35	1 50	1 60	1 70



No. 060—Skew Back, Beech Handle, 4 Brass Screws

Length of Blade	16	18	20	22	24	26 inches
Price each	\$0 60	0 65	0 70	0 75	0 80	0 85

In ordering saws state whether crosscut or rip saws, also how many teeth to the inch are wanted.

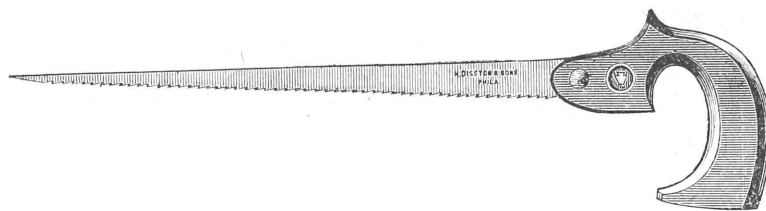
Keyhole Saw and Pad

No. 10 - Price 25c.

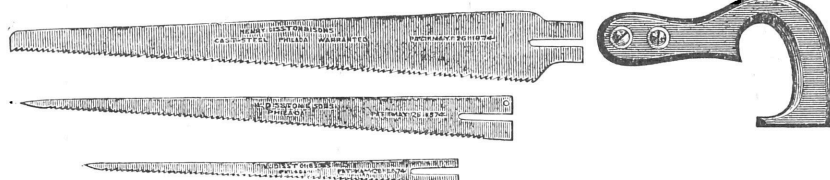
The blade is readily adjusted in this pattern of handle. It is firmly held in place by slotted screw, while the clutch fitting into gullet of tooth prevents any possibility of slipping.

The end of handle is slotted, permitting the extension of butt of blade for use as a screw-driver.

IF IT IS TRASH YOU WANT, WE DON'T KEEP IT

**Compass Saws****Disston's No. 2—Apple Handle**

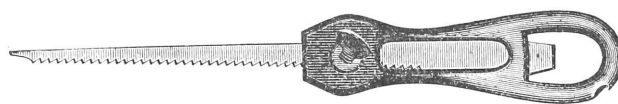
	10	12	14	16	18 inches
Each ..	35	40	40	45	45 cents

**Nest of Saws, No. 3**

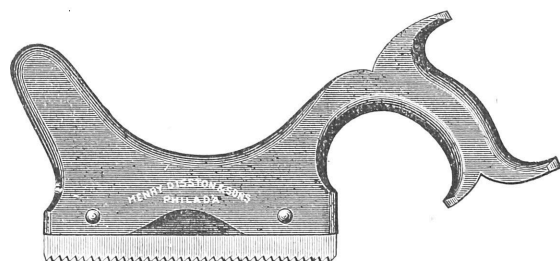
Combining one each, Keyhole,
Compass and Pruning Saw
Blades \$0 90

Handles and Screws, each 15
Keyhole Blades .. " 15
Compass " 12 in. " 25
Pruning " .. " 40

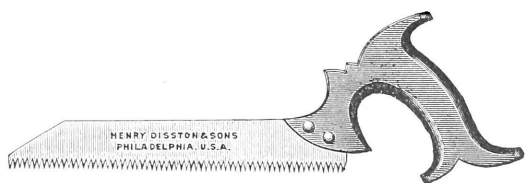
Length	10	12	14	16	18 inches
Interchangeable Compass Saw Blades .. each	22	23	25	28	30 cents

**Keyhole Saw and Pad**

No. 5—This is a cheap and convenient
combination of Keyhole Saw, Saw
Pad and Screw Driver, each .. 20 cents

**Stair Builders' Saw**

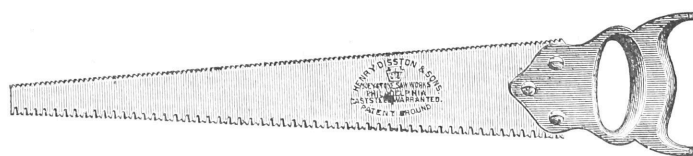
Price, each 40 cents

**Pattern Maker's Saw**

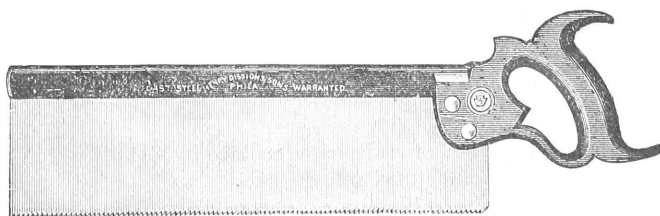
Price, each 45 cents

**Dovetail Saw**

Extra quality Spring Steel, Polished Steel Back,
Apple Handle, 8 inch .. each 65 cents

**Disston's Duplex Pruning Saw****No. 4**

Length ..	12	14	16	18 inches
Each ..	70	75	80	90 cents

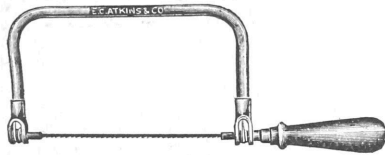
**Back Saws**

Length..	8	10	12	14 inch
No. 4 —Disston	\$1 10	1 20	1 35	1 50 each
" 1 —Jackson	75	85	1 00	1 20 "
" 0 —Davis	65	70	75	85 "

DISSTON'S SAWS ARE THE BEST IN THE MARKET

“Jones”

Cable Coping Saw No. 1



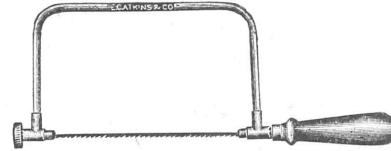
THIS saw is constructed with a tubular back, through which runs a cable connecting both ends of saw frame, which causes the blade to turn to any angle by turning the handle only, without removing it from the work.

Nickel plated and furnished complete with one half-dozen blades, packed in cardboard box.

Price, each	\$1 25
Extra Blades, per doz.	15

“Jones”

Ratchet Coping Saw No. 2



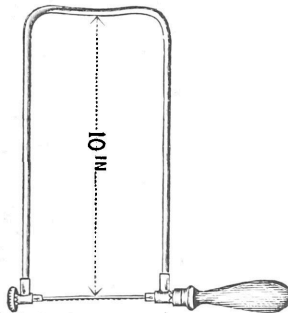
THE Jones' Ratchet Frame is constructed with a steel back and ratchet arrangement (see illustration) which enables the workman to quickly set the blade at any angle by the handle and button at the other end of saw frame.

Packed in cardboard box and furnished complete with six blades.

Price, each	75 cents
Extra Blades, per doz.	15 “

“Jones”

Ratchet Scroll Saw No. 3



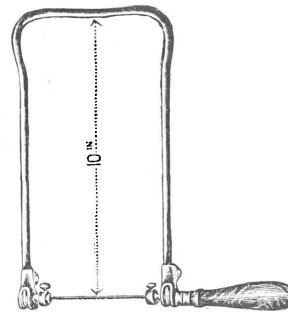
THIS frame is constructed with a steel back and ratchet arrangement (see illustration) which enables the workman to set the blade at any angle by the handle and button at the other end of saw frame.

Nickel plated and furnished complete with one-half dozen blades, packed in cardboard box.

Price, each	85 cents
Extra Blades, per doz	15 “

“Jones”

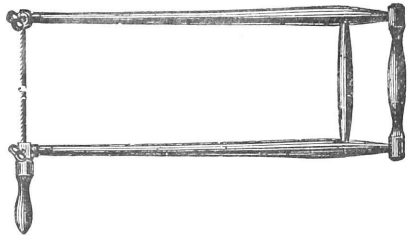
Cable Scroll Saw No. 7



THIS saw is constructed with a tubular back, through which runs a cable connecting both ends of saw frame, which causes the blade to turn to any angle by turning the handle only, without removing it from the work.

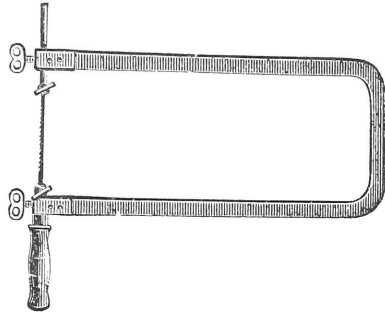
Special attention is called to the construction of the grips or clamps for holding the saw blades: they are strongly made of steel and hardened: when properly tightened the blade cannot slip. The above saw frames are made to take a 3-inch saw blade. No. 7 is 10 inches deep from blade to back.

Price, each	\$1 50
Extra Blades, per doz.	15

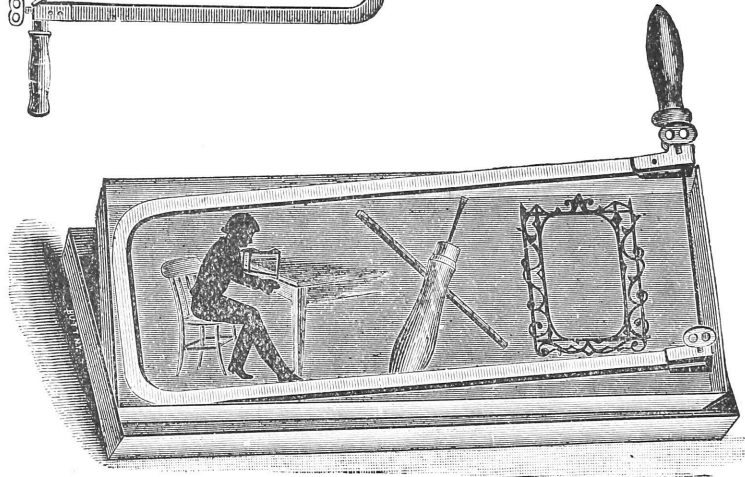
**Patent Bracket Saw Frames**

WOOD HIGHLY POLISHED.

No. 3 —12 inch Rosewood	....	....	....	each 80 cents
" 4 —12 " Birch	....	....	....	" 60 "

**Spring Steel**

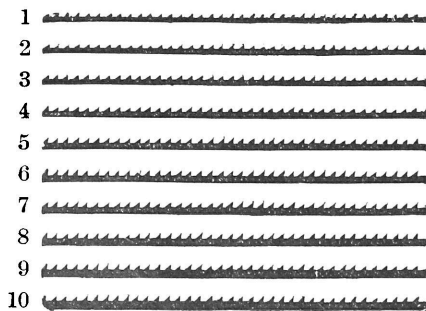
No. 5 — 8 inch	....	....	....	each	\$1 20
" 6 —10 "	....	....	....	"	1 30
" 7 —12 "	....	....	....	"	1 40
" 8 —14 "	....	....	....	"	1 50
" 9 —16 "	....	....	....	"	1 60

**Bracket Sets**

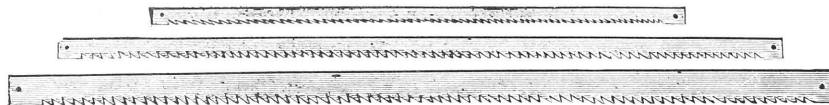
These sets are packed in paper boxes and include a saw frame 5 x 12 inches, with patent clamps for holding the saw blades and fifty full sized designs, embracing a great variety of fancy and useful articles; twelve saw blades, one awl and one sheet of impression paper are included.

No. 1—Japanned Handle, Rough Nickel Frame.....each \$0 85

" **2**—Rosewood Handle, Polished Nickel Plated Frame. \$1 25

**Star Bracket Saw Blades**

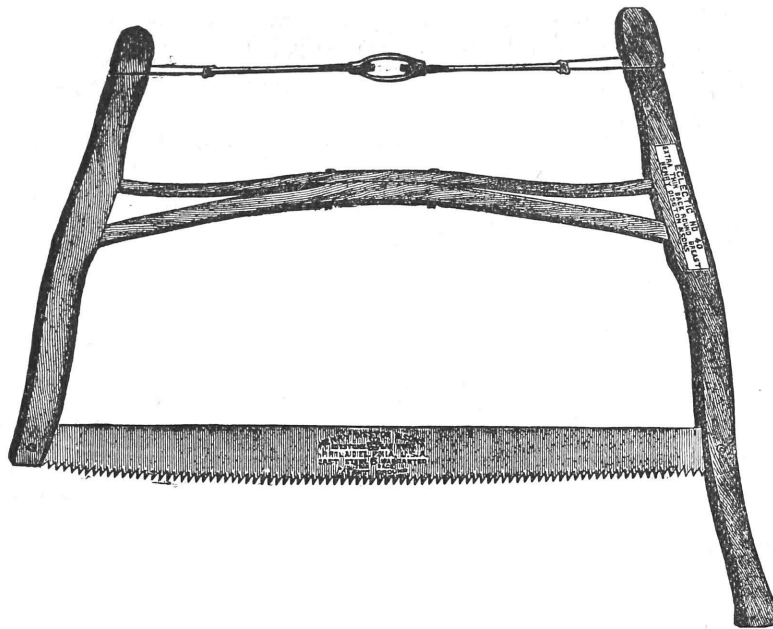
				Per Gross	Per Dozen
Nos. 000 to 6...	....	....	....	\$1 10	\$0 11
" 7...	....	....	....	1 20	12
" 8...	....	....	....	1 30	13
" 9...	....	....	....	1 40	14
" 10...	....	....	....	1 50	15
" 11...	....	....	....	1 60	16
" 12...	....	....	....	1 70	17

**Turning Webs**

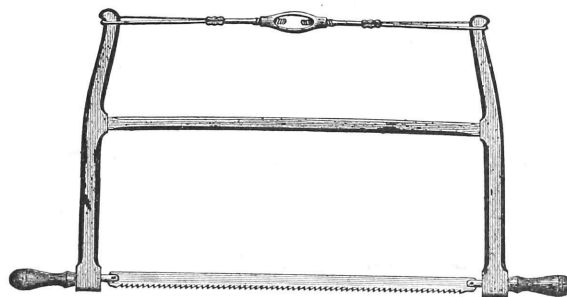
Set and Sharpened ready for use.

Length	6	7	8	10	12	14	16	18	20	22	24 inches.
Gauge	23	22	22	22	21	21	20	20	20	20	19
Width	$\frac{1}{8}$ to $\frac{1}{4}$	$\frac{1}{8}$ to $\frac{1}{4}$	$\frac{1}{8}$ to $\frac{1}{4}$	$\frac{1}{8}$ to $\frac{1}{4}$	$\frac{1}{8}$ to $\frac{1}{4}$	$\frac{1}{8}$ to $\frac{1}{4}$	$\frac{1}{8}$ to $\frac{1}{4}$	$\frac{1}{8}$ to $\frac{1}{4}$	$\frac{1}{8}$ to $\frac{1}{4}$	$\frac{1}{8}$ to $\frac{1}{4}$	$\frac{1}{8}$ to $\frac{1}{4}$ inch.
Price, per doz..	\$1 20	1 25	1 30	1 35	1 45	1 60	1 80	2 00	2 25	2 50	2 80
" each.....	12	13	13	14	15	16	18	20	23	25	28

BE SURE TO SEND SUFFICIENT POSTAGE FOR GOODS GOING BY MAIL.

Disston's Electric Wood Saw No. 40

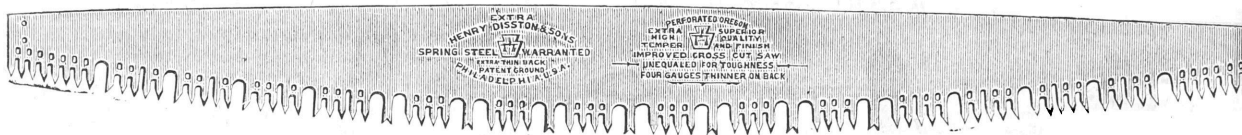
No. 40 —Disston's wood saw, 30-inch No. 6 Round Breast Blade, Extra thin back, with patent duplex loop rod, each	\$1 00
No. 3 —Marshall wood saw, complete with Ideal Loop Rod	65
No. 04 —Jackson “ “ “ “	50
Cast Steel wood saw Blades, patent ground and tempered, set and sharpened.	
No. 4 —Jackson blade only, 30 inches long, 2 inches wide, each	30

**Web Saw Frame**

Disston's web saw frames with one blade, each	10	12	14	16 inches
	70	75	80	85 cents

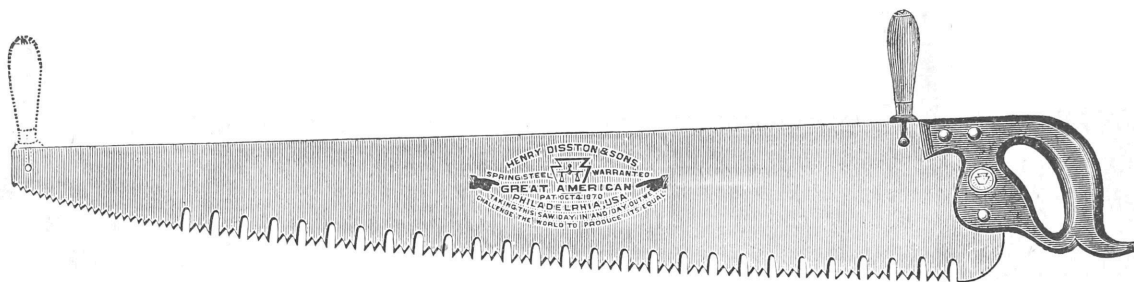
WE CARRY A COMPLETE LINE OF TURNING WEBS, SET AND SHARPENED READY FOR USE

QUALITY IS THE BONUS GIVEN WITH OUR GOODS

Disston's Cross Cut Saws**OREGON TOOTH PERFORATED**

Four gauges thinner on back than on tooth edge.

Length	..	..	..	..	..	4½	5	5½	6 feet
Each	..	..	..	..	..	\$2 70	3 00	3 30	3 60

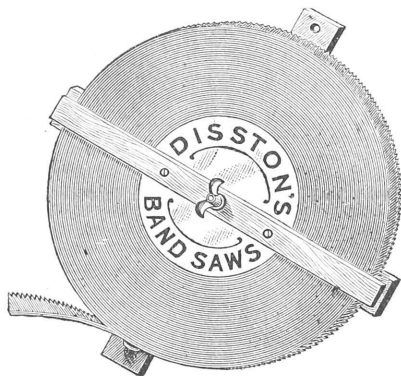
One Man Cross Cut Saw

Perforated Lance

Length	..	..	..	..	..	..	..	..	..	4½ feet
Each	..	..	..	..	..	..	..	..	..	\$2 75

Disston's Band Saws and Re-saws

Set and Filed

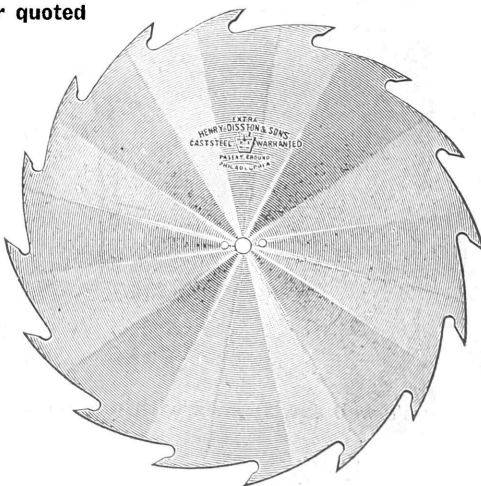


Size						Size					
1, 1½, 1¾ inch per foot	..	\$0 05½	1 inch per foot	..	\$0 12	1½	1¾	2	2½	3	3½
"	"	"	"	"	"	4	4½	5	5½	6	6½
"	"	"	"	"	"	7	7½	8	8½	9	9½
"	"	"	"	"	"	10	10½	11	11½	12	12½
"	"	"	"	"	"	13	13½	14	14½	15	15½
"	"	"	"	"	"	16	16½	17	17½	18	18½
"	"	"	"	"	"	19	19½	20	20½	21	21½
"	"	"	"	"	"	22	22½	23	23½	24	24½

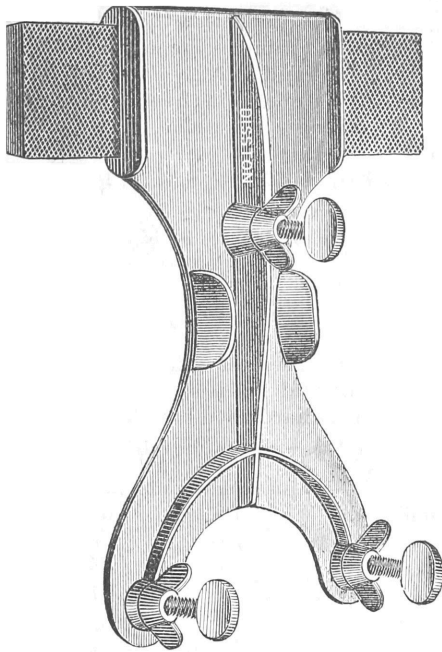
Re-Saws 2in. and larger quoted on application

Solid Tooth Circular Saw

Diam.	Thickness.	Size of hole	Price	Diam.	Thickness.	Size of hole	Price
6 inch, 18 gauge,	3/4	in..	\$0 78	20 inch, 13 gauge,	1 1/8	in..	\$4 50
7 " 18 "	3/4	" ..	93	22 " 12 "	1 5/8	" ..	5 50
8 " 18 "	7/8	" ..	1 10	24 " 11 "	1 3/4	" ..	6 50
9 " 17 "	7/8	" ..	1 38	26 " 11 "	1 3/4	" ..	7 50
10 " 16 "	1	" ..	1 65	28 " 10 "	1 1/2	" ..	8 50
12 " 15 "	1	" ..	2 08	30 " 10 "	1 1/2	" ..	9 50
14 " 15 "	1 1/8	" ..	2 50	32 " 10 "	1 1/2	" ..	11 00
16 " 14 "	1 1/8	" ..	3 00	34 " 9 "	1	" ..	12 50
18 " 13 "	1 1/4	" ..	3 75	36 " 9 "	1 1/2	" ..	14 00



IN ORDERING CIRCULAR SAWS STATE WHETHER RIP OR CROSSCUT, DISTANCE FROM POINT TO POINT OF TEETH, SIZE OF MANDRIL, AND THICKNESS OF SAW



Side Files

The Side File is used for the purpose of regulating saw teeth after they have been set. It is impossible to set a saw so that some of the teeth will not extend or be bent over a little more than others, and thus make rough lumber. By the use of this tool all the teeth are made even, and a saw thus regulated will run twice as long without sharpening. The file must be so adjusted by means of the set-screw as to conform to any width of set desired. The jam-nuts are for the purpose of securing the set-screws in the desired position.

No. 1, or large size, suitable for saws 40 inches diameter and larger.

No. 2, or medium size, suitable for saws 24 to 38 inches diameter.

Price of file only, for side file	....	....	....	....	....	each	\$0 50
“ “ Frame only	....	....	....	....	....	“	85
“ complete	....	....	....	....	....	“	1 25

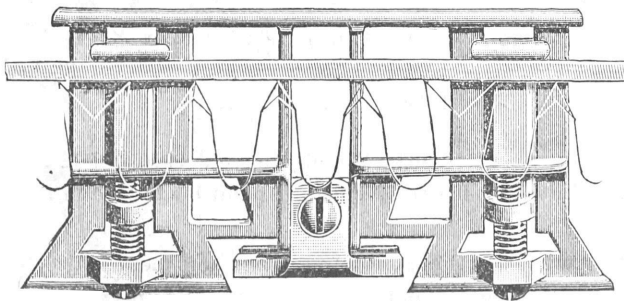
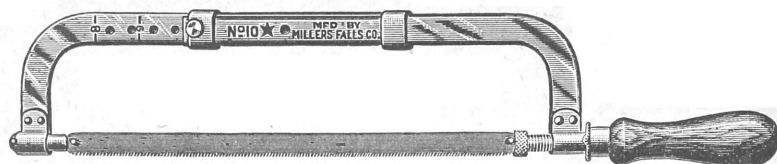


Fig. 1—Jointer.

Disston's Universal Cross-Cut Saw Tool

Including Jointer, side dress, cleaner, tooth gauge and set gauge.

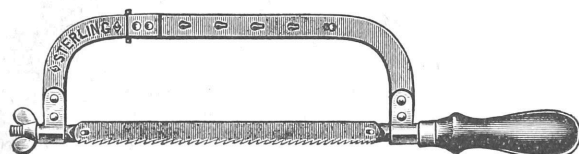
Price.....each \$0 75

Star Hack Saw Frame, No 10

nickel-plated. The handles are Cocobola wood, highly finished. It carries blades 6, 7, 8, 9, 10, 11 and 12 inches long, and is marked for the different lengths.

Price each \$1 35

We offer this as the best Extension Frame in the market. It is light and quickly adjusted, having strength in the middle, where strength is needed. It is made of tempered steel, polished and

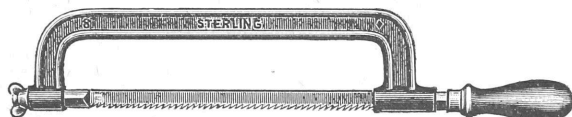
"Sterling," No. 50, Adjustable

Takes 8, 9, 10, 11 and 12 inch blades.

This is one of our greatest sellers; is highly nickeled; as strong and rigid as a solid frame. Highly finished, black hardwood handle.

Price each \$1 00

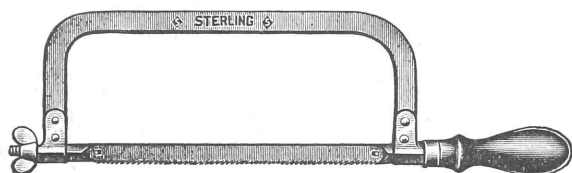
"Sterling," No. 40—Adjustable frame, as above, highly polished each \$0 75

"Sterling" Hack Saw Frames

No. 10

8 inch price, each \$0 35

This is a very attractive frame, is made of "Malleable" Iron (not cast), and is as strong and durable as any steel frame made; blades adjust to different angles.



No. 20, 2½ inches deep.

No. 20 x 8 inch is a strong, durable frame, polished steel, blade adjustable to four different angles.

Price each \$0 50

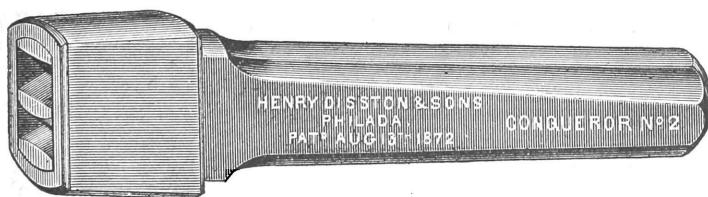


Hack Saw Blades		(½ in. x 8 in.	9 in.)	(⅝ in. x 10 in.	12 in.	14 in.)	(¾ in. x 12 in.	14 in.)
Sterling	"	"	\$0 60	0 65	0 80	1 00	1 15	1 15
Star	"	"	0 85	0 90	1 10	1 30	....	....
								1 40 doz.
								 doz.

Our standard goods, as listed above, have 15 teeth to the inch. We also have 8, 9, 10 and 12 inch blades, 24 and 32 teeth per inch at the same prices. Unless otherwise specified, 15 point blades are shipped in filling orders.

For tool and machinery steel, **use 15 Point Saws**. For brass, aluminum and soft metals, also for coarse tubing, **use 24 Point Saws**. For 20-gauge tubing or finer, **use 32 Point Saws**. Always **use a NEW blade** for cutting brass or tool steel.

WE CARRY A COMPLETE LINE OF MACHINISTS' TOOLS.

**Saw Swages or Upsets**

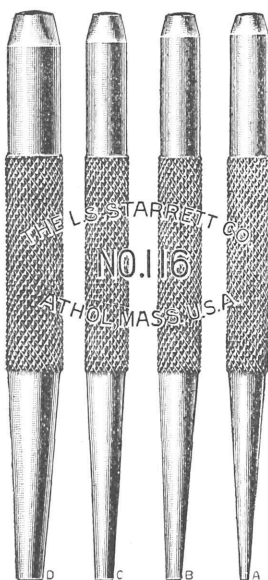
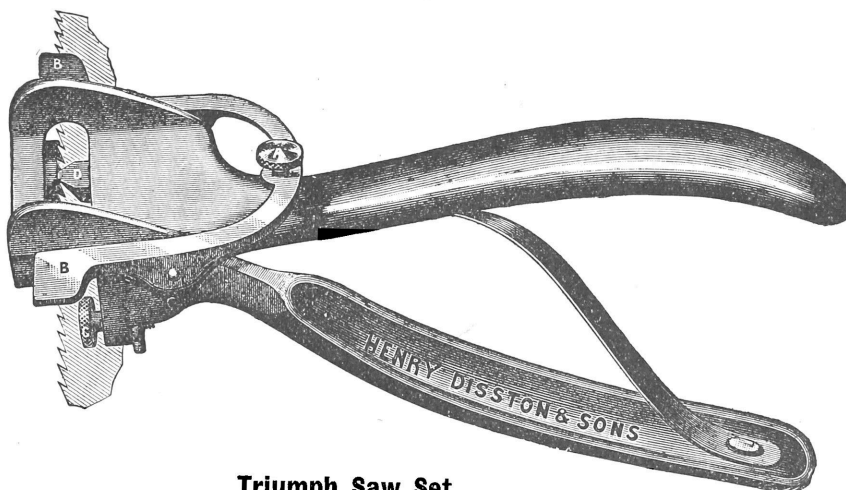
No.	
0	For large Circular Saws, each \$3 00
1	" " " " " 2 85
2	" small " and Mill Saws, each ... 2 40
3	" " Circular and Band Saws, each ... 1 85
4	" Band Saws, each ... 2 35

Monarch Saw Set

Specially adapted for Cross-Cut Saws, Circular Saws and all small Saws.

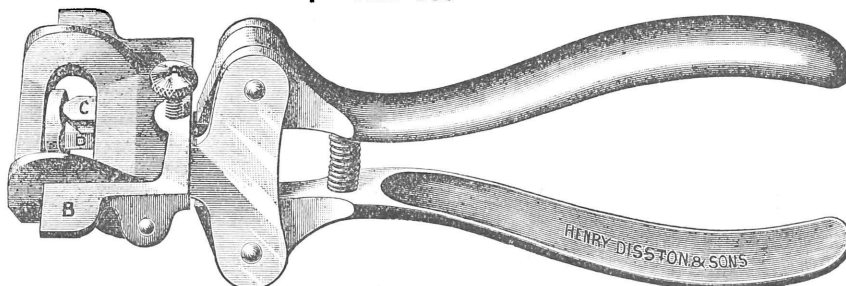
No.

1	Japanned, each \$0 70
2	Polished " 85

**The Celebrated Starret Nail Set**

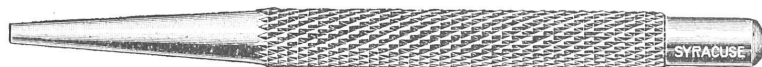
Made of a fine grade of steel, both ends hardened, centres nicely knurled, tips concaved, tops oval, and the size just right.

Length of each size 4 in.
Diam. at tip, A $\frac{1}{8}$ in., B $\frac{3}{8}$ in., C $\frac{1}{2}$ in., D $\frac{5}{8}$ inch.
Price each .. 10 cents

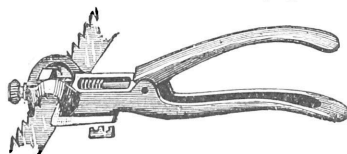
Triumph Saw Set

No. 28—Polished, each .. \$1 00

No. 18—Polished, each .. \$1 50

Superior Cup Point Nail Sets

No. ..	..	..	..	92	93	94
Size ..	..	..	..	2-32	3-32	4-32 inch
Each	..	..	..	12	12	12 cents

Morrill's Saw Sets

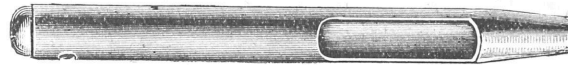
No. 100—Polished, each ... \$0 60

" 1900—Taintor, the divisions of anvil face are marked fine, medium and coarse, price each 0 85

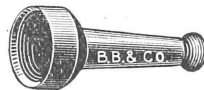
**Hammer Saw Sets**

No. C 771—

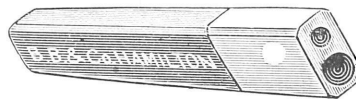
Wynn's Hammer Saw Sets, each ... \$0 50

Saddlers' Punches**No. 820.**

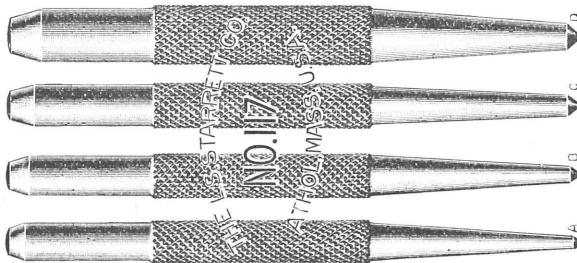
Nos.....	1 to 6	7	8	9	10	11	12
Size	$\frac{1}{16}$ to $\frac{3}{16}$	$\frac{7}{32}$	$\frac{1}{4}$	$\frac{9}{32}$	$\frac{5}{16}$	$\frac{11}{32}$	$\frac{3}{8}$ inch.
Each.....	10	11	12	13	17	20	23 cents.

Hollow Punches

Size.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$ inch.
Price	\$0 35	0 50	0 50	0 80	0 80	1 05	1 05	1 30	1 30	1 55	1 55	1 85 each.

Rivet Set**Best Cast Steel.**

No.....	0	1	2	3	4	5	6	7	8
Size holes	$\frac{1}{16}$	$\frac{3}{32}$	$\frac{1}{8}$	$\frac{7}{32}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{4}$ inch.
Price	\$0 50	0 40	0 40	0 35	0 35	0 25	0 25	0 20	0 20 each.

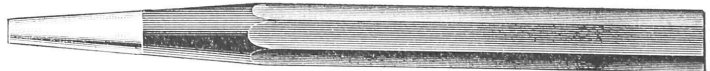
**Starrett Centre Punch****No. 117.**

Length of each size, 4 inches.

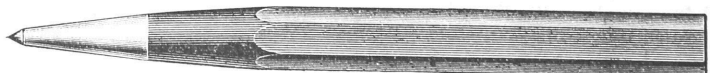
	A	B	C	D
Diameter..	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{9}{16}$	$\frac{5}{8}$ inch.
Price	\$0 20	0 20	0 20	0 20 each

Rivet Punch

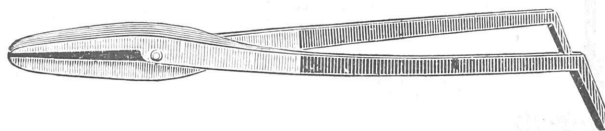
Nos	4	5	6	7
Price, each...	\$0 15	15	17	20

**Prick Punch**

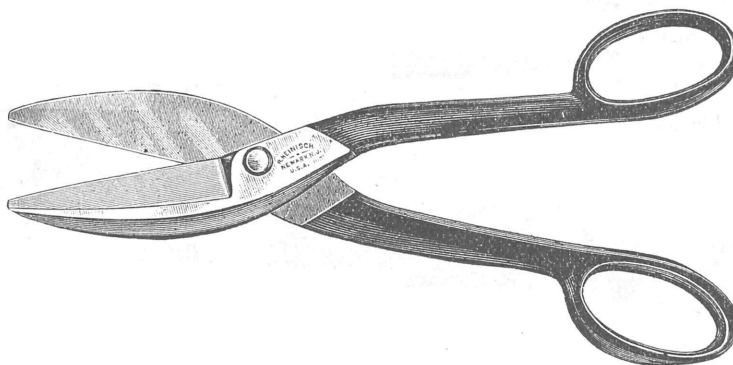
Priceeach \$0 15

**The above punches are of a superior quality of steel.**

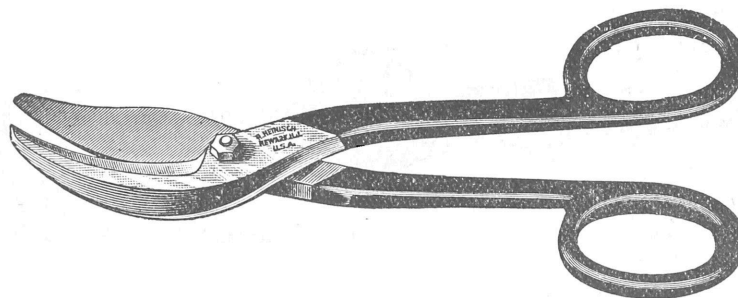
IF YOU ARE LOOKING ONLY FOR LOW PRICES, *WITHOUT QUALITY*, THIS IS THE
WRONG PLACE.

Tinner's Bench Shears

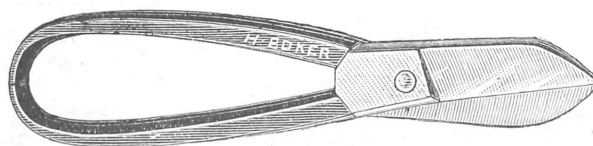
No. 4 cuts 6 inch	...	...	...	...	...	...	...	price each	\$5 20
" 3 " 7 "	...	...	...	...	...	...	...	"	5 90
" 2 " 8 "	...	...	...	...	...	...	...	"	6 75

Tinner's Hand Shears**HEINISCH STRAIGHT CUT**

Nos.	..	..	..	..	6½	7	8	9	10
Length of cut	..	..	..	..	4½	4	3½	3	2½ inches
Price each	..	..	..	..	\$3 00	2 50	2 00	1 50	1 40

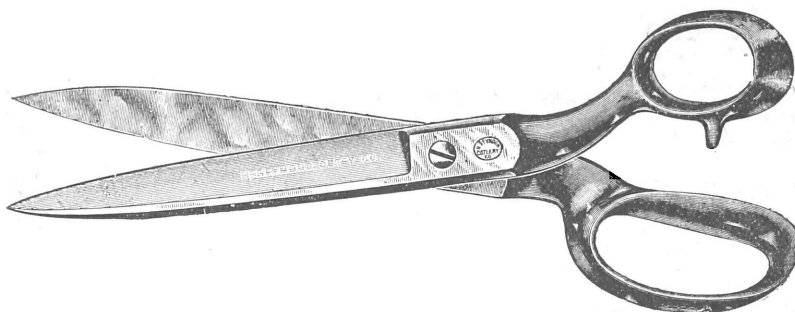
**HEINISCH CIRCULAR CUT**

Nos.	..	..	..	..	..	8	9	10
Length of cut	..	..	..	..	..	3½	3	2½ inches
Price each	..	..	..	..	..	\$3 00	2 50	2 25



No. 112a —Snips, Length over all	..	..	..	..	..	6	7	8	9	10 inches
Price each	..	..	..	..	..	45	50	55	60	75 cents

WE CARRY A COMPLETE LINE OF THE BEST (ENGLISH) CUTLERY



R. Heinisch's Straight Trimmers

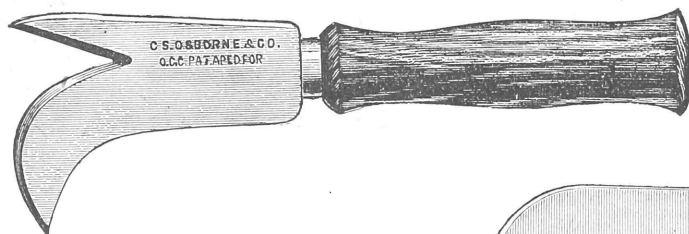
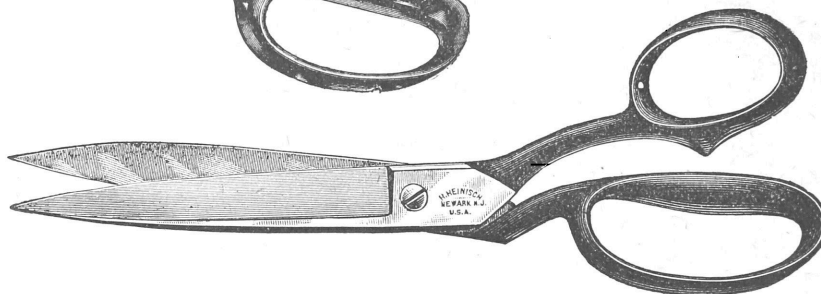
Japaned Handles. Nickel-Plated Blades.

Size..... 8 9 10 11 12 13 in.
Per pair.. \$0.70 0.85 1.10 1.25 1.40 1.50

R. Heinisch's Bent Trimmers

Japaned Handles, Nickel-Plated Blades.

Size..... 9 10 11 12 13 in.
Per pair.. \$1.00 1.15 1.25 1.40 1.75

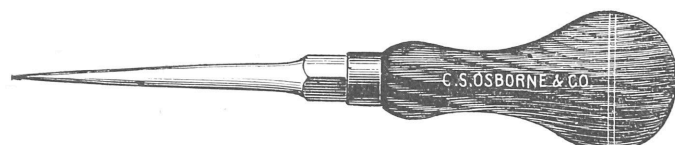
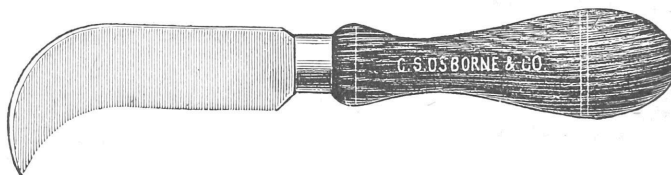


Oil Cloth and Carpet Knife

No. 304 $\frac{1}{2}$ —Rosewood Handle..each \$1 45

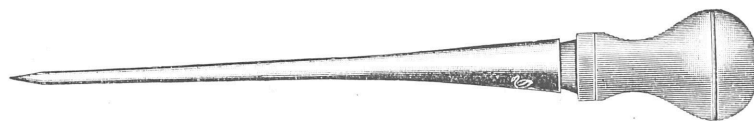
Oil Cloth and Carpet Knife

305—Round Block.....each \$1 25
305— " Rosewood Handle " 1 00
1R—Flat " " " 40



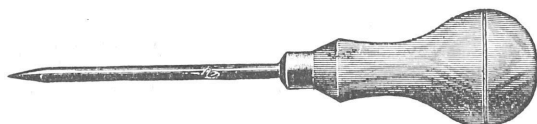
Carpet Awls

No. 300—Carpet Awlseach \$0 50
Hurwood " " " 35



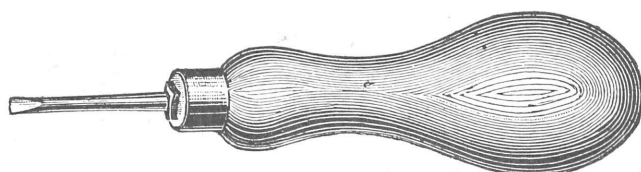
Socket Scratch Awls

No. 100—Cast Steeleach \$0 20



Scratch Awls

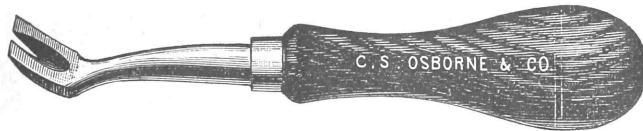
No. 875—Shoulderedeach \$0 12



Handled Brad Awls

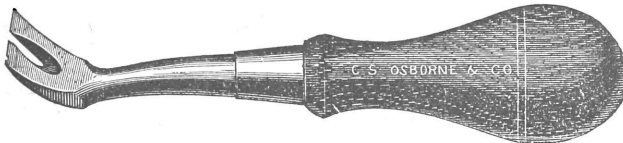
No. 55—Assorted sizes.....Per doz. \$0 45
" " " Each 05

GET OUR PRICE ON UPHOLSTERERS' TACKS BEFORE YOU BUY.

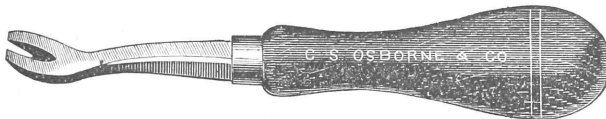


Claw Tools

No. 122—Rosewood, Best Steel, each \$0 40
 “ Black “ 30



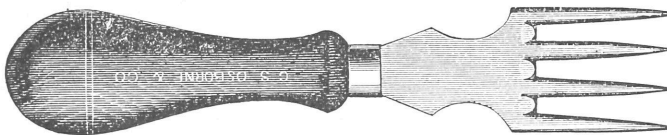
No. 123—Extra Heavy, Riveted “ 70



No. 124 $\frac{1}{2}$ —French Claw Tools,
 Riveted “ 50

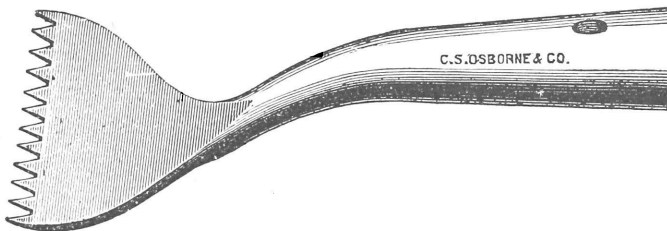


No. 352—Pointed Claw Tool,
 Rosewood Handle “ 35

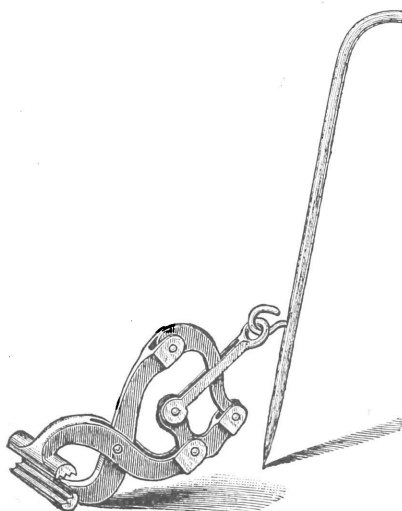


Carpet Stretchers

No. 49—Straight Prongs ... each \$0 85
 “ 50—Bent “ ... “ 90



No. 301—Iron Socket ... “ 45
 “ 301 $\frac{1}{2}$ —Steel “ ... “ 75



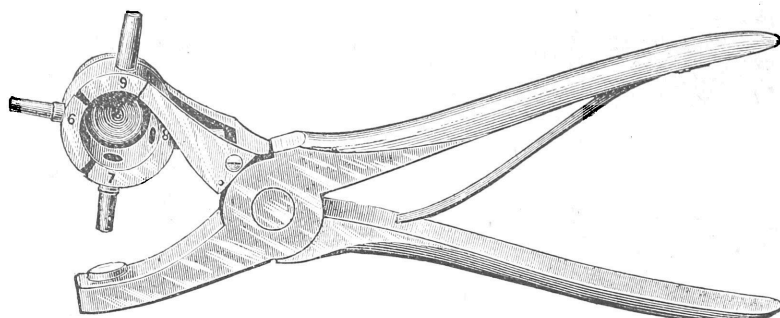
Carpet Vises

No. 289—Carpet Vise, each \$2 75

Carpet Seam Presses

No 290—15 pounds, each .. \$2 50

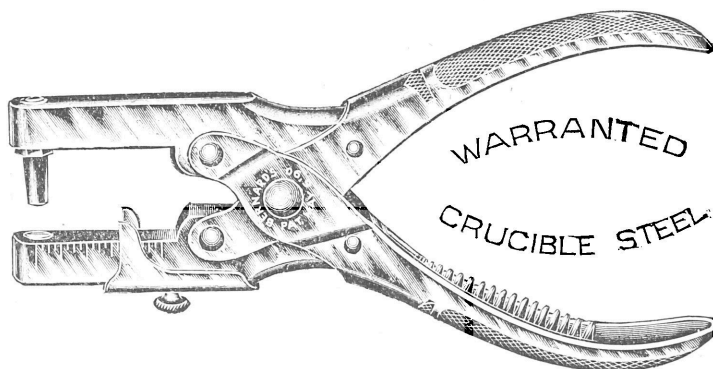
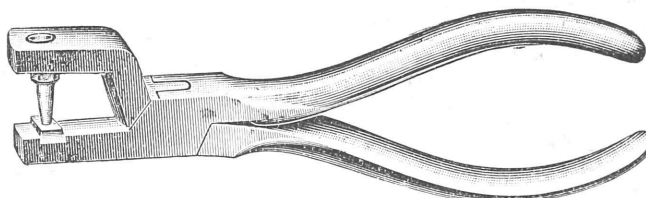


**No. 18.****Revolving Punches**

4 Tubes each \$0 85
 Extra Tubes " 15

Spring Punches

No. C384—6½ inch, Wynn's. each \$0 45
 " **C384**—7 " " " " " 50
 Extra Nipples for above " 10

**"Bernard" Spring Belt Punches**

With "Screw in Tube" and
 Adjustable Gauge.

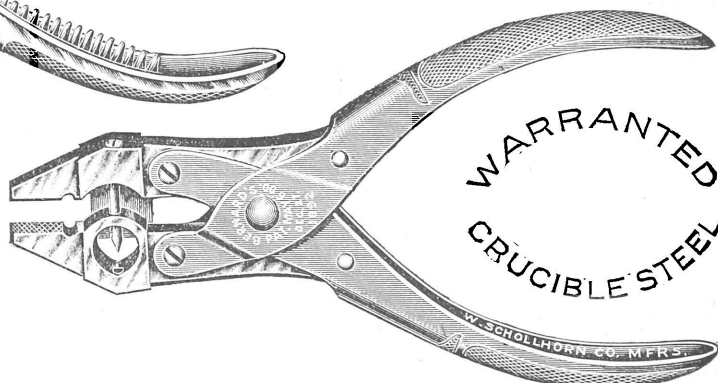
Open Throat, Parallel Jaws, Full
 Nickel-Plated.

7 inch each \$1 00
 Extra Tubes " 25

"Bernard" Belt Punch Pliers

Parallel Jaws, Nickel-Plated.

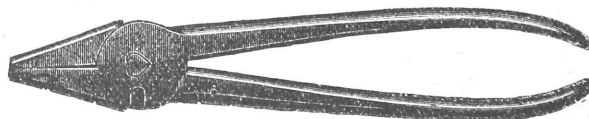
5 inch x ¼ inch each \$1 00
 6 " x ⅜ " " " " 1 15

**Standard Wire Gauges**

No. 1110—Oblong, 1 to 26 each \$1 75
 " **1268**—Light Oblong, 1 to 26 " 1 55



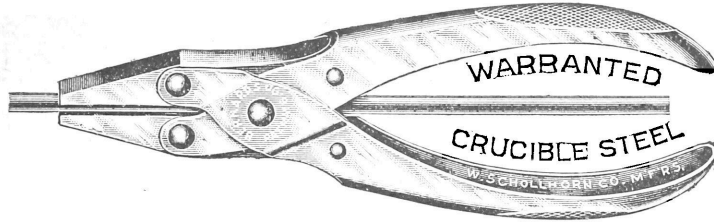
No. C848—Double, Round, 1 to 26 each \$2 10

**Boker's Wire Cutter and Pliers, Combined**

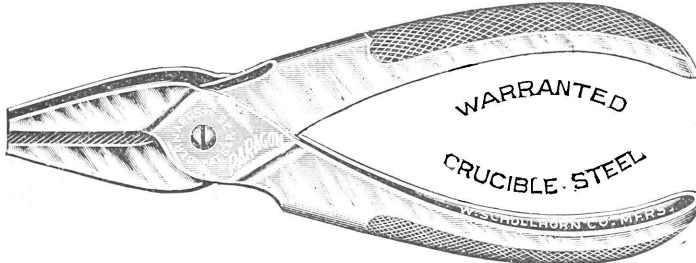
Size 6 7 8 9 10 inches.
No. 1319—Boker's...each 23 25 30 35 40 cents.

Standard Wire Gauges

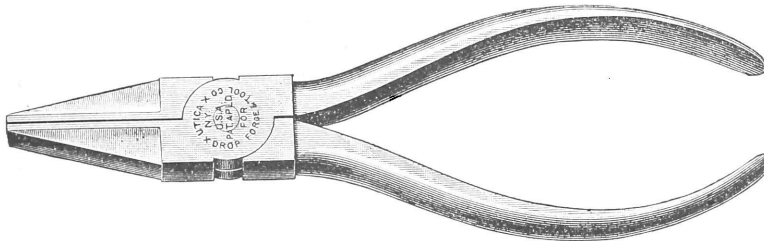
No. 120—Drill Gauge, ⅛ inch to ½ inch...each \$3 25
 " **293**—Wire " 1 to 80 " 3 50

**"Bernard" Flat-Nose Pliers****No. 100**—Open Throat, Parallel Jaws
Nickel-Plated.

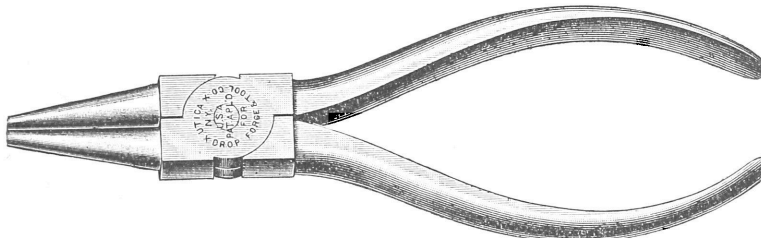
Size	4	4½	5½	6½	7½ inches
Each	\$0.50	0.55	0.70	0.85	1.15

**"Paragon" Flat-Nose Pliers****No. 200**

Size ..	4	4½	5	5½	6 inches
Each..	15	18	20	23	25 cents

**Flat Nose Pliers**

No.	Length.....	4	4½	5	5½	6 inch
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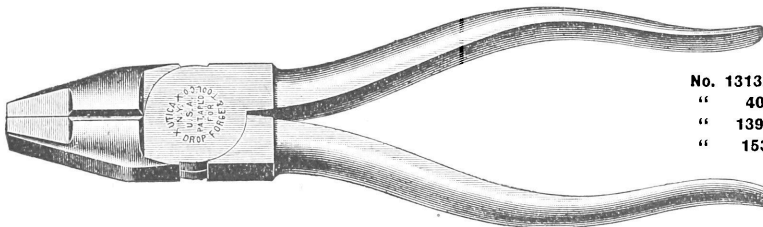
448—Wynn's, each 18 20 23 25 30 cts.**161**—Stubb's " ... 40 45 50 ... cts.**Round Nose Pliers**

No.	Length...	3	4	4½	5	5½	6 inch
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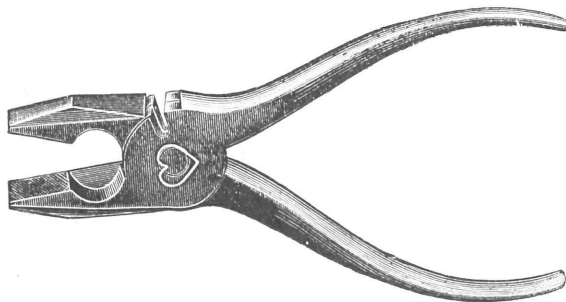
449—Wynn's, each ... 18 20 23 25 30 cts.**158**—Stubb's " 40 40 45 cts.**Half Round Nose**

Same Style and Quality as above cut, but with Half Round Nose

Length	..	..	..	..	4½	5	5½	6 inches
No. 464 —Wynn's, each	..	..	..	..	25	30	35	40 cents

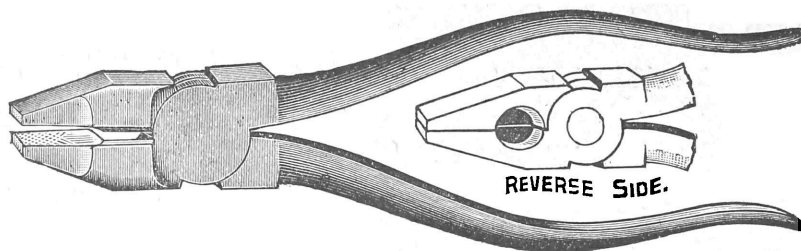
**Side Cutting Pliers**

	Length	4	4½	5	5½	6	7 inches
No. 1313A —Boker's, each	50	50	50	55	60	..	cents
" 405 —Wynn's "	60	60	60	60	70	..	"
" 1397 —Boker's "	25	25	25	30	35	..	"
" 153 —Stubb's "	..	..	..	75	80	1.25	"

**Heart Cutting Pliers**Solid Cast Steel, Superior Quality, specially designed
for covered Electrical Wires

Length	5	5½	6	7	8 inch
No. C 200 —Wynn's, each	45	45	50	65	90 cents

SEND US A TRIAL ORDER

**Cutting Pliers**

	Each
No. 125 —8 in., Boker's	\$1 50
" 153—8 in., Stubb's	1 70

Insulated Cutting Pliers

Similar to above cut.

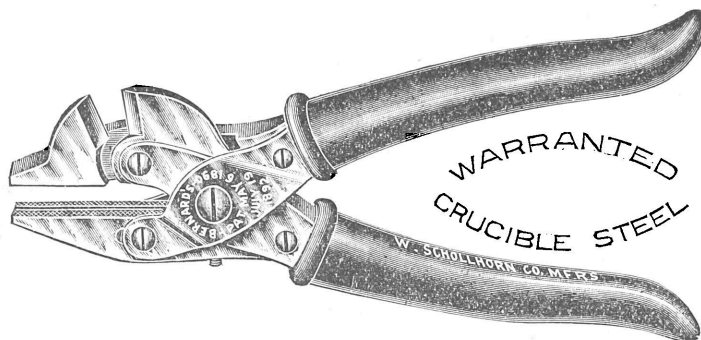
No. 118 —8 inch		each	\$1 65
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"Bernard" Gas Pliers

No. 108		5 inch	6 inch
Price	each	\$0 70	0 85

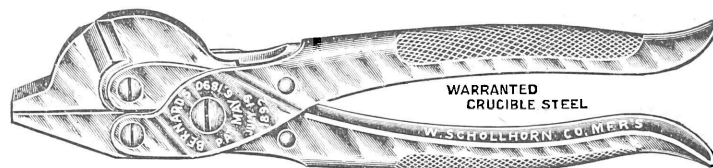
Cast Steel Gas Pliers

No. 99	.....	7 inch	8 inch	10 inch
Price	each	\$0 40	0 45	0 65

**"Bernard" Electric Cutting Pliers**

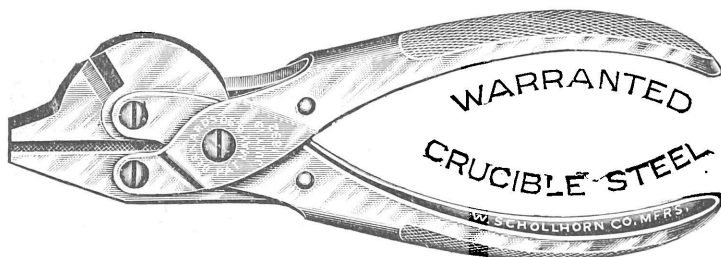
Open Throat, Parallel Jaws, with Rubber Handles.

No. 112 —8 inch.		each	\$2 25
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**"Bernard" Lineman's Cutting Pliers**

Open Throat, Parallel Jaws, Nickel-Plated.

8 inch		each	\$1 90
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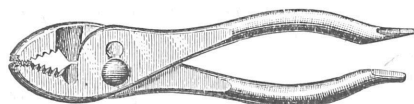
**"Bernard" Cutting Pliers**

Open Throat, Parallel Jaw, Nickel-Plated.

Length		4½	5½	6½	7½ inch
Each	.....	\$0 90	1 10	1 35	1 80

Combination Pliers

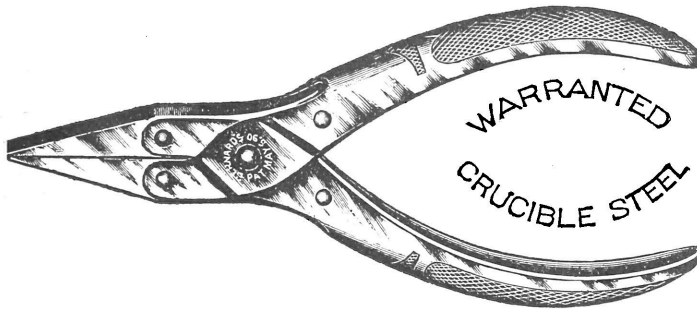
Gas Pliers, Wire Cutters, Wrench and Screw Driver Combined.



No. 22 — 6 inch, Black	.....	each	\$1 00
" 23— 6 " Plated	.....	"	1 15
" 24—10 " Black	.....	"	1 35
" 25—10 " Plated	.....	"	1 60

SUPERIOR MERIT IS THE CHARM ON WHICH WE RELY.

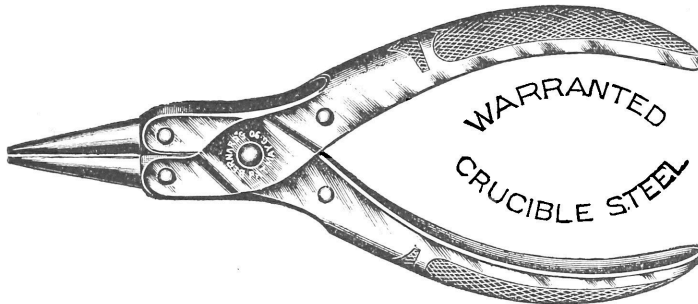
No. 103



"Bernard" Jeweler's Flat Nose Pliers

No. 103 x 4 inch .. each 50 cents

No. 104

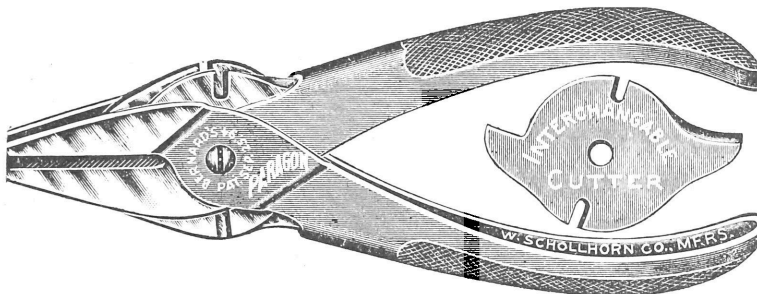


"Bernard" Jeweler's Round Nose Pliers

No. 104 x 4½ inch .. each 65 cents

No. 107 x 4½ inch, jeweler's half round nose .. each 70 cents

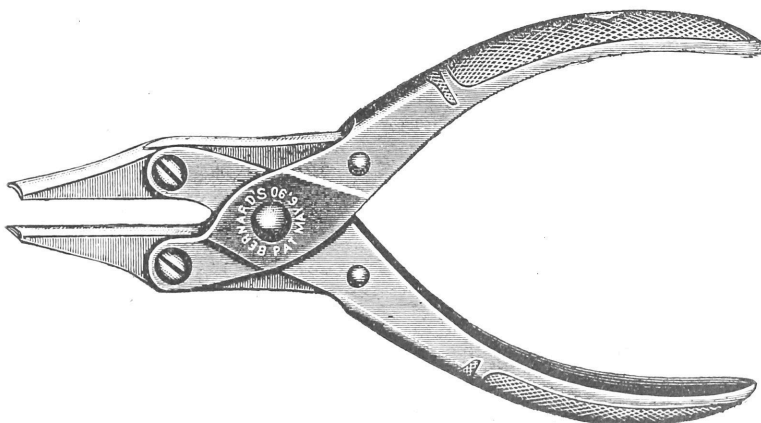
No. 105



"Bernard" Jeweler's Cutting Pliers

No. 105 x 4½ inch .. each \$1.00

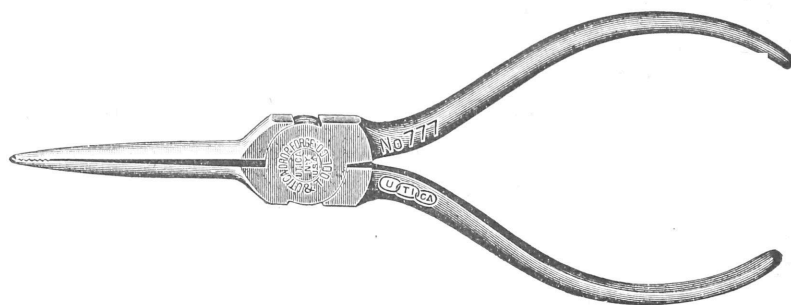
No. 106



"Bernard" Jeweler's Chain Pliers

No. 106 x 4½ inch ... each 65 cents

No. 888 x 5½ inch, curved needle nose pliers .. each 65 cents

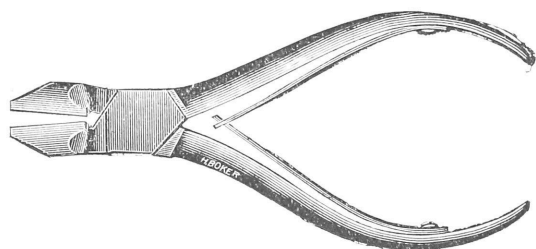
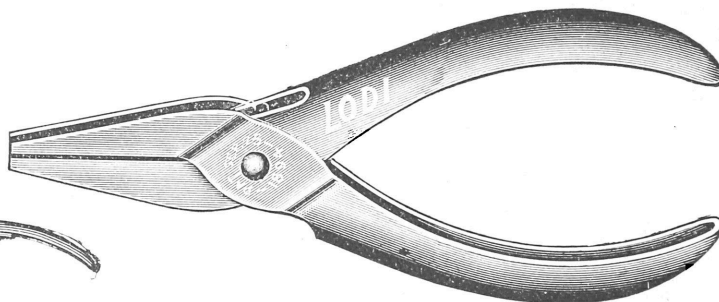
**Needle Nose Pliers**

No. 777—5½ in., black,
each ... 60 cents

Especially adapted for fine work
where a small nose is required.

"Lodi" Flat Nose Pliers

Length ...	4	4½	5	5½ inch
Each ...	7	8	9	10 cents

**Apple Nippers**

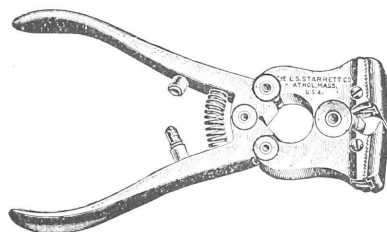
No. 4786A—5 inch, black, price each ... 60 cents

Starrett's Cutting Nippers

B—For Bicycle use.

M—For Music Wire

C—For Common use



No. 1—5½ inch, Adjustable, Jaw Cutting Nippers, each \$2 15
" 2—7 " " " " " " " 2 70

Extra Jaws, either B, M or C ... per pair 55

Unless otherwise ordered, Cutting Nippers with C Jaws
will be sent.

**Hall's Patent Lever Cutting Nippers**

All Parts Interchangeable

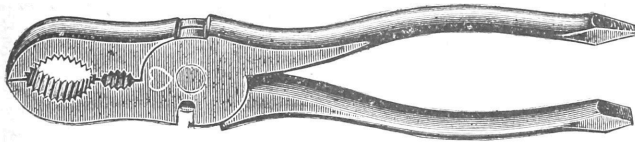
No.	1	2	3	4	6
	4 inch, cuts 1/16 in. wire, each \$0 80	5 " " 3/16 " " " 95	6 " " 1/8 " " " 1 30	7 " " 5/16 " " " 1 45	8 " " 3/8 " " " 1 75

EXTRA PARTS

No.	Jaws.	Hand- les.	Screws.	Springs
1—Each	\$0 25	\$0 25	\$0 05	\$0 05
2— "	25	25	05	05
3— "	30	30	05	05
4— "	35	35	05	05
6— "	40	40	10	10



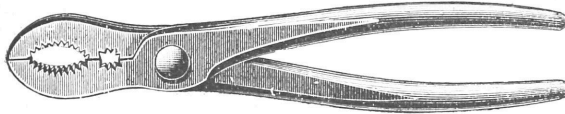
OUR STOCK OF CABINET HARDWARE IS VERY COMPLETE



Wynn's Combination Gas Pliers

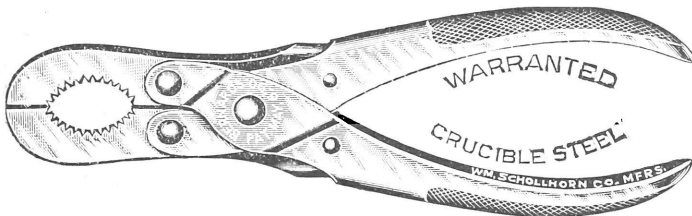
Combining Gas Plier, Wire Cutter, Rimer and Screw Driver.

Size.....	7	8	10 inches
No. C 1482.....each	60	65	90 cents



Wynn's Gas Pliers

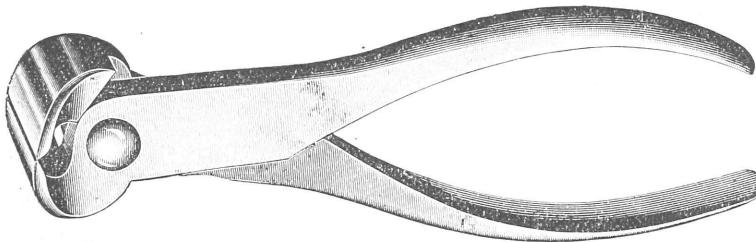
Size.....	6	7	8	9 inches
No. C 922.....each	40	45	55	65 cents



No. 108—"Bernard" Gas Pliers

Open Throat, Parallel Jaws, Nickel-Plated.

5 inch.....	each 60 cents
6 "	" 75 "



End Cutting Nippers

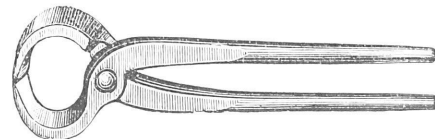
Size.....	4½	5	5½	6 inch.
1306A—Boker's	45	45	50	55 cents.
60—Bull Dog...	65	75	95	"
477—Wynn's ..	60	70	85	"
154—Stubb's ..	75	75	80	"

Carpenter's Pincers

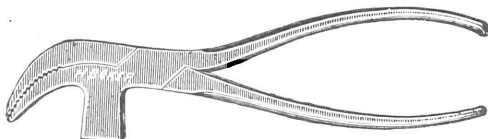


Size	7	7½	8 inch.
No. C510.....	35	40	45 cents

Farriers' Pincers



No. C610—12½ inch, Wynn's	each \$1 00
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Shoe Pincers

No. 1013—2 inch.....	each \$0 40
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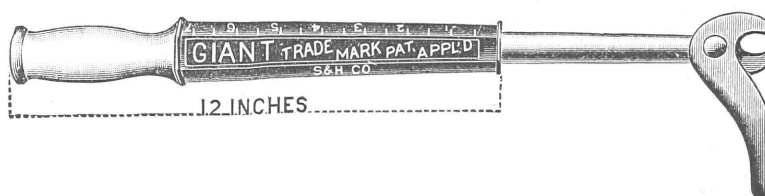
YOU MAY NEED THIS CATALOGUE LATER IF YOU DO NOT NOW—SAVE IT FOR
A CONVENIENT REFERENCE.

MAIL ORDERS RECEIVE CAREFUL ATTENTION.

Nail Puller

The Best Nail Puller Made.

No. 1 —Small size, length 17 inches, weight 3 pounds 11 ounces	..	..	..	each \$1 00
“ 2 —Large “ “ 20 “ “ 5 “ 9 “	..	..	..	“ 1 35
Sure Grip “ 17 “ “ 4 “ 4 “	..	..	..	“ 75

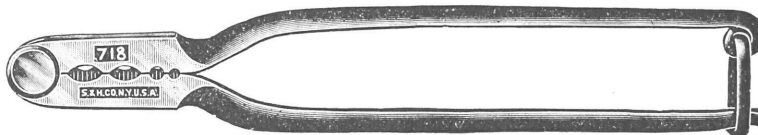


The “Giant” Nail Puller, Genuine

No 1 Size , weight 5 pounds	..	..	..	..	..	..	each \$1 35
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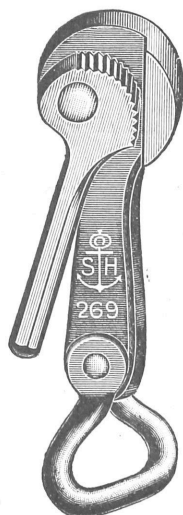
Swedish Linesmen's Connectors

No. 713 —11 inches, full polished, for No. 3 wire and smaller B. & S. gauge	...	...	each \$2 00
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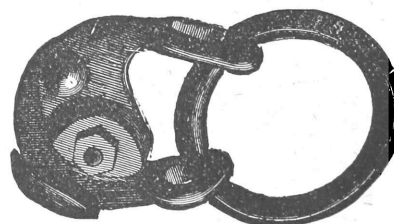
Made of Tool Steel with Spring Tempered Handles

No 718 —Black, length 11 inches	..	..	..	..	..	each \$1 20
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**Automatic Wire Clamps**

No 269—Made from the best crucible Tool Steel and Warranted for No. 9 wire or smaller.

Without Strops	..	each \$1 00
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Wire Stretcher or Come-Alongs

No 266 —Two Rings, for No. 9 wire or smaller	...	each 75 cents
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WE CARRY IN STOCK “WOOD” AND “STEEL” TACKLE BLOCKS

Wood Bench Planes

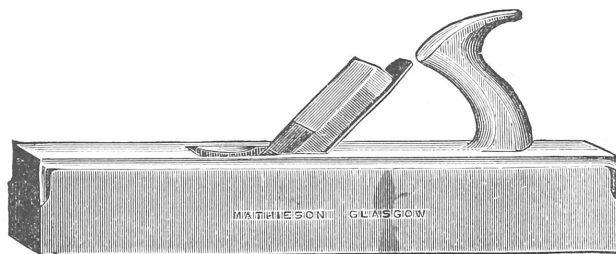


Smoothing Plane, Joiner's Pitch



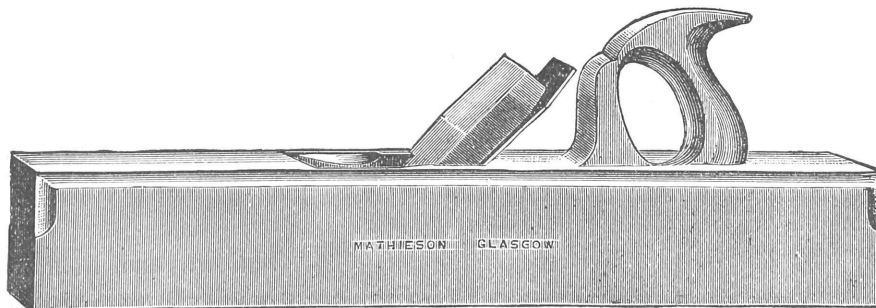
Tothing Plane

	2	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{8}$ inch
No. 708 —Mathieson's Smooth Plane, Cabinet Pitch.....each	\$1 35	1 40	....	....
“ 708 — “ “ “ Joiners “ ..... “	....	1 40	1 50	1 65
“ 3 —American “ “ “ “ ..... “	....	70	70	....
“ 727 —Mathieson's Tothing Plane, One Iron..... “	1 15	....	....	....
“ 30 —American “ “ “ “ “	1 10	....	....	....



Jack Plane

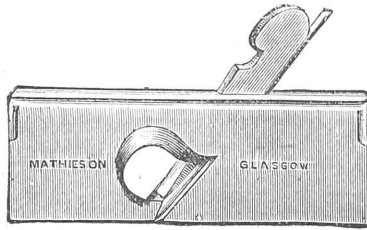
		2 $\frac{1}{8}$	2 $\frac{1}{4}$ inch
No. 700 —Mathieson's Jack Plane .....each		\$1 75	1 85
“ 15 —American “ “ “		80	80



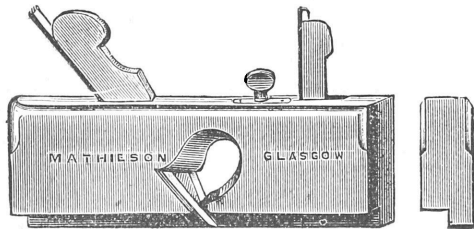
Trying Plane

	2 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{5}{8}$ inch
No. 706 —Mathieson's Fore Plane, 22 inch.....each	\$2 35	2 35	....
“ 706 — “ Jointer Plane, 26 inch ..... “	....	....	2 80
“ 21 —American Fore “ 22 “ “	1 15	1 15	....
“ 27 — “ Jointer “ 26 “ ..... “	....	1 20	....

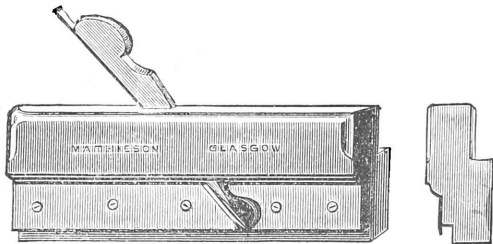
FOR A FIRST-CLASS ARTICLE, BUY THE MATHIESON PLANE.

**Skew Rabbet Planes**

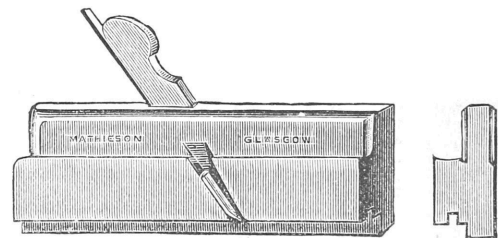
		Up to 1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2 inch
No. 787 —Mathieson.....	each	\$0 90	0 90	1 00	1 10	1 25
" 116 —American	"	65	70	75	90	1 00
" 3 —Cast Steel Irons for above	"	14	15	16	17	19

**Dado Planes**

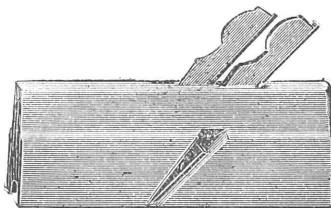
No. 783 —Mathieson, Screw Stop up to $\frac{3}{4}$ inch..	each	\$2 25
" 783 — " " " "	"	7 8 " " " 2 35
" 47 —American, Side " $\frac{1}{4}$ to 1 " " "	"	1 20

Match Planes

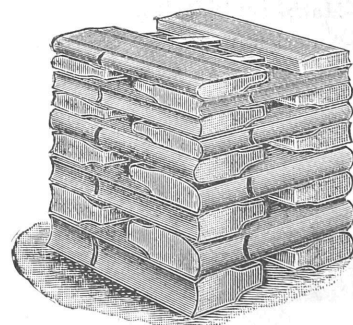
No. 75 —American separate, $\frac{3}{8}$ to 1 in. per pair	\$1 60
" 75 — " Twin	each 1 35



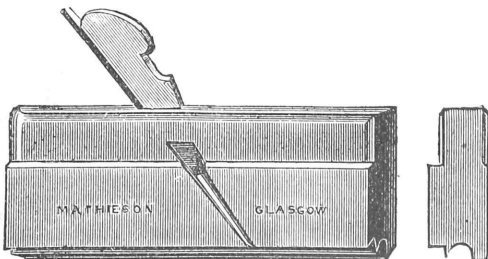
No. 770 —Mathieson, up to $\frac{3}{4}$ inch..	per pair	\$1 95
" 770 — " $\frac{7}{8}$ " " "	"	2 10

**Stair Nosing Planes**

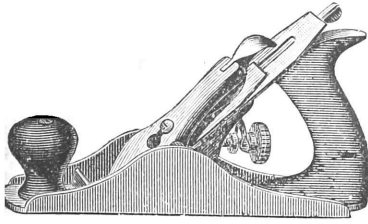
		1 $\frac{1}{2}$ and 1 $\frac{1}{4}$	1 $\frac{1}{2}$ and 1 $\frac{1}{2}$ in.
No. 745 —Mathieson.....	each	\$1 60	1 85
" 91 —American, 2 irons	"	1 20	1 30

**Hollows and Rounds**

	Up to No. 6	8	10	12	14
American ...per pair	\$1 00	1 15	1 35	1 35	1 75

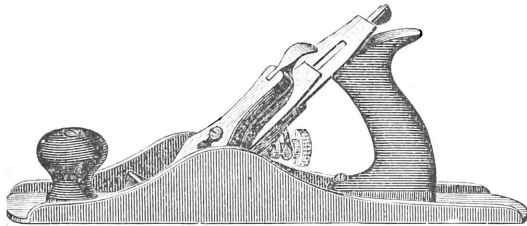
**Side and Centre Bead Planes**

		Up to $\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 inch
Mathieson's Side Beads, Boxed..	each	\$0 90	0 90	1 00	1 05	1 25
American " " " "	"	55	60	60	75	75
Mathieson's Centre Beads " " "	"	1 25	....	....	....	....
American " " " "	"	65	70	70	....	....

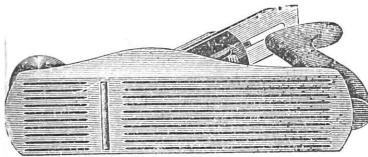


Bailey's Patent Adjustable Planes

No. 2 —Smooth Plane, 7 inches in Length, $1\frac{1}{8}$ inch Cutter	...	each	\$1 65
" 3 " 8 " $1\frac{3}{4}$ "	...	"	1 80
" 4 " 9 " 2 "	...	"	1 95
" 4 1/2 " 10 " $2\frac{3}{8}$ "	...	"	2 25
Bedrock No. 604 — 9 " 2 "	...	"	2 30
" 605 — 14 " 2 "	...	"	2 70



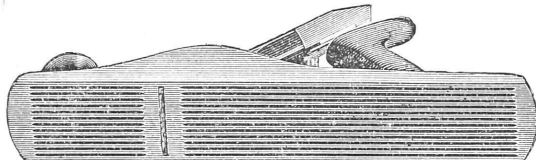
No. 5 —Jack Plane, 14 in. in length, 2 in. Cutter	each	\$2 25
" 5 1/2 " 15 " $2\frac{1}{4}$ "	"	2 55
" 6 —Fore Plane, 18 " $2\frac{3}{8}$ "	"	2 90
" 7 —Jointer " 22 " $2\frac{3}{8}$ "	"	3 30
" 8 " " 24 " $2\frac{5}{8}$ "	"	3 90
Bedrock No. 607 , 22 " $2\frac{3}{8}$ "	"	3 90



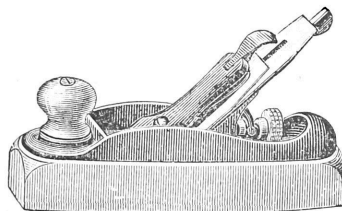
Bailey's Adjustable Planes

With Corrugated Bottoms.

No. 2 C —Smooth Plane, 7 inches in Length, $1\frac{1}{8}$ inch Cutter	...	each	\$1 65
" 3 C " 8 " $1\frac{3}{4}$ "	...	"	1 80
" 4 C " 9 " 2 "	...	"	1 95
" 4 1/2 C " 10 " $2\frac{3}{8}$ "	...	"	2 25

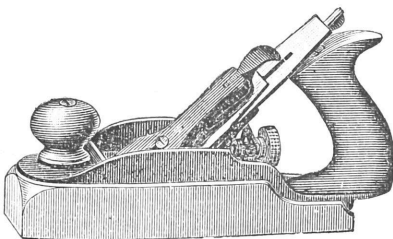


No. 5 C —Jack Plane, 14 in. in length, 2 in. Cutter	each	\$2 25
" 5 1/2 C " 15 " $2\frac{1}{4}$ "	"	2 55
" 6 C —Fore Plane, 18 " $2\frac{3}{8}$ "	"	2 90
" 7 C —Jointer " 22 " $2\frac{3}{8}$ "	"	3 30
" 8 C " " 24 " $2\frac{5}{8}$ "	"	3 90

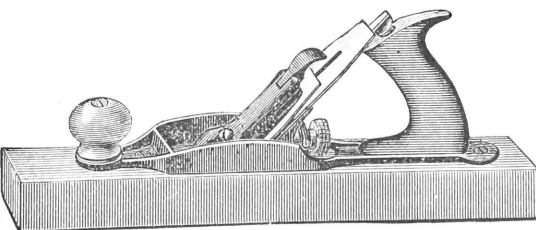


Bailey's Adjustable Wood Planes

No. 21 —Smooth Plane, 7 inches in Length, $1\frac{3}{4}$ inch Cutter	...	each	\$1 25
" 22 " 8 " $1\frac{3}{4}$ "	...	"	1 25
" 23 " 9 " $1\frac{3}{4}$ "	...	"	1 25
" 24 " 8 " 2 "	...	"	1 25



No. 35 —Handle Smooth, 9 inches in Length, 2 inch Cutter	...each	\$1 55
" 36 " 10 " $2\frac{3}{8}$ "	...	1 70
" 37 —Jenny " 13 " $2\frac{5}{8}$ "	..	1 80



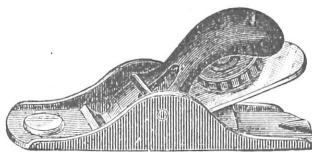
No. 26 —Jack Plane, 15 in. in length, 2 in. Cutter	each	\$1 35
" 27 " 15 " $2\frac{1}{8}$ "	"	1 55
" 27 1/2 " 15 " $2\frac{1}{4}$ "	"	1 55
" 28 —Fore Plane, 18 " $2\frac{3}{8}$ "	"	1 70
" 29 " " 20 " $2\frac{3}{8}$ "	"	1 70
" 30 —Jointer " 22 " $2\frac{3}{8}$ "	"	1 80
" 31 " " 24 " $2\frac{5}{8}$ "	"	1 80
" 32 " " 26 " $2\frac{5}{8}$ "	"	2 00

BUY THE BAILEY IRON PLANE AND YOU WILL HAVE THE BEST

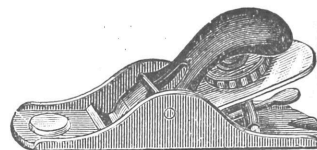
Stanley Block Planes



No. 101

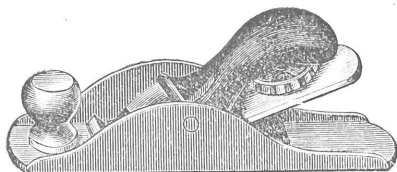


No. 102



No. 103

No. 101—Block Plane, 3½ inches in Length, 1 inch Cutter.....	each	\$0 15½
" 102— " " 5½ " " 1¼ " "	"	23
" 103— " " adjustable, 5½ inches in Length, 1¼ inch Cutter	"	45½
" 100— " " Handled, 3½ inches in Length, 1 inch Cutter	"	20
Extra Cutters for No. 101 Plane.....	each	\$0 05
Extra Cutters for No. 102 and 103 Planes.....	"	10

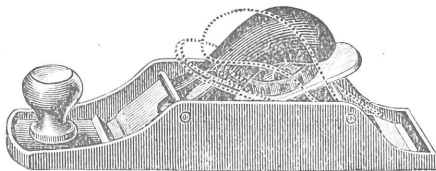
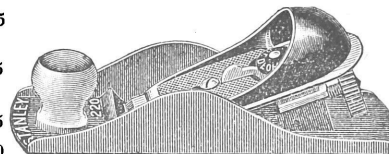


No. 110—Block Plane, 7½ in. long,
1¼ in. Cuttereach \$0 45

" 120—Block Plane, adjustable,
7½ in. long, 1¼ in. Cutter 55

" 220—Block Plane, adjustable,
7½ in. long, 1¼ in. Cutter 55

Extra Cutters for above..... 20

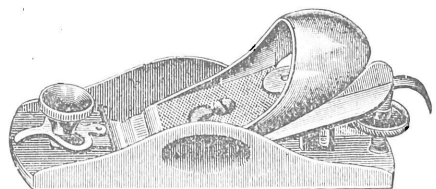


No. 130—Block Plane (Double Ender), 8 inches in Length, 1¼ inch Cutter.

Each \$0 55

This Plane has two slots, and two cutter seats. It can be used as a Block Plane; or, by reversing the position of the cutter and the clamping wedge (see dotted lines in the engraving), it can be used to plane close up into corners, or places difficult to reach with any other plane.

Extra Cutters for above..... \$0 20



Bailey's Adjustable Block Planes

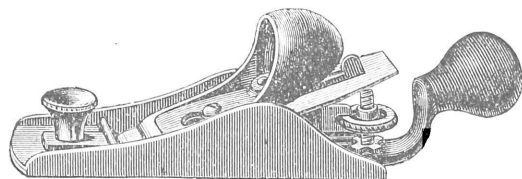
With Improved Throat Adjustment.

Block Planes are used for planing across the ends of boards, or of blocks, and in fitting close joints. The pitch of the Plane Iron is less than in ordinary Bench Planes, and the Iron is used with bevel uppermost at the cutting edge.

No. 9½—Block Plane, 6 inches long, 1¼ inch Cutter.....each \$0 90

" 15— " " 7 " " 1¼ " " " 1 00

Extra Cutters for above..... " 20



No. 9½—Block Plane, 6 inches long, 1¼ inch Cutter.....each \$1 10

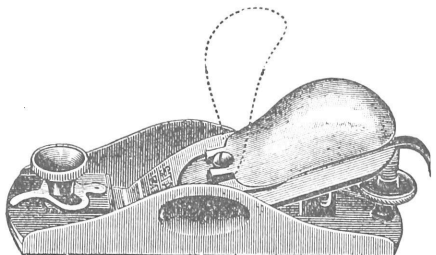
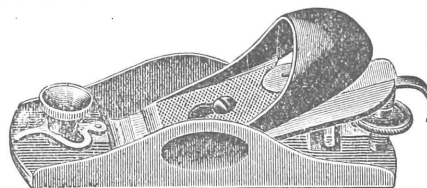
" 15½— " " 7 " " 1¼ " " " 1 20

Extra Cutters for above " 20

No. 16—Nickel Trimmings, 6 inches long, 1¼ inch Cutter.....each \$1 05

" 17— " " 7 " " 1¼ " " " 1 15

Extra Cutters for above..... " 20



Knuckle Joint Block Plane

This knuckle-joint in the cap makes it a lever to clamp the cutter in its seat.

No. 18—Nickel Trimmings, 6 inches long, 1¼ inch Cutter each \$1 10

" 19— " " 7 " " 1¼ " " " 1 20

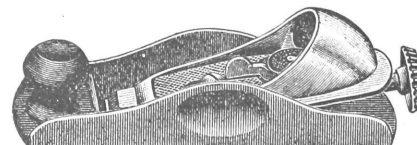
Extra Cutters for above " 20

Low Angle Block Planes

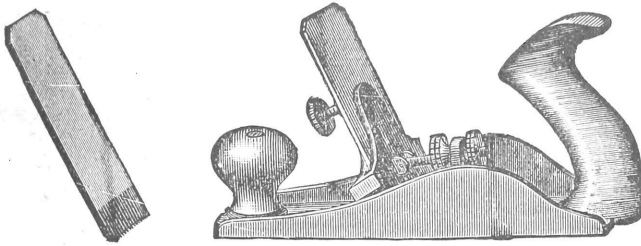
No. 60—Low Angle Block Plane, 6 inches long, 1¼ inch Cutter.....each \$1 05

" 65— " " 7 " " 1¼ " " " 1 15

Extra Cutters for above..... " 20

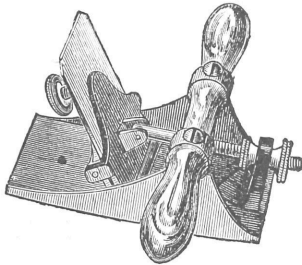


WHEN ORDERING EXTRA CUTTERS, STATE NUMBER OF PLANE ONLY.

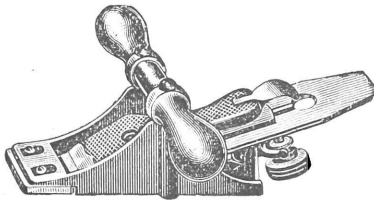
Adjustable Scraper Plane

This Tool can be used for scraping veneers, cabinet work or hard woods in any form; and by use of an additional Cutter a superior Tooothing Plane is made.

No. 112—Adjustable Scraper Plane 9 in. in Length, 3 in. Cutter each \$1 95
 Cutters for Veneer Scraping " 20
 Cutters for Tooothing Nos. (22, 28 or 32 teeth per inch) " 30

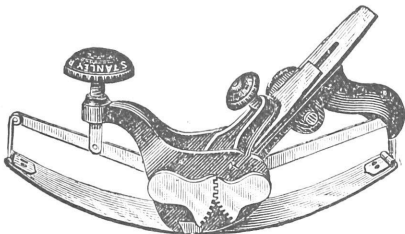


No. 12—Adjustable Veneer Scraper, 3 inch Cutter each \$2 20
 Cast Steel Hand Veneer Scrapers, 3 x 5 inch " 20
No. 12½—Adjustable Veneer Scraper, Wood Face, 3 in. Cutter. 2 90



No. 11—Belt Maker's Plane, 2 3/8 in. Cutter each \$1 95

This Tool is used by Belt Makers for chamfering down the laps of a Belt, before fastening them together. It is equally well adapted to use in repairing Belts in all large manufacturing establishments.

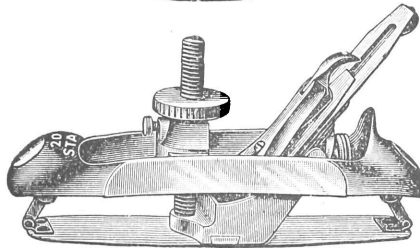
Adjustable Circular Planes

No. 113—Adjustable Circular Plane, 1 1/2 inch Cutter each \$2 65

This Plane has a Flexible Steel Face which can be easily shaped to any required arc, either concave or convex, by turning the knob on the front of the Plane.

No. 20—Adjustable Circular Plane, Nickel Plated, 1 1/2 inch Cutter each \$3 65

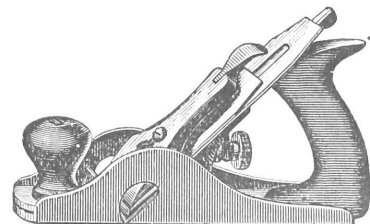
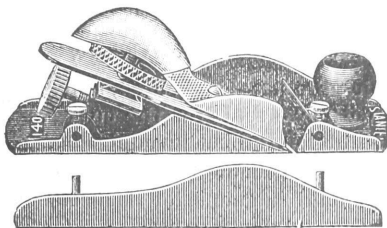
The Flexible Steel Face of this Plane can be made concave or convex by turning the screw which is attached to its centre.



No. 20½—Adjustable Circular Plane, Polished, 1 1/2 inch Cutters each \$3 10

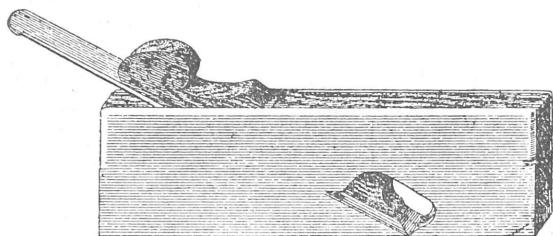
No. 10½—Carriage Maker's Rabbet Plane, 9 in. long, 2 1/8 in. Cutter each \$2 25

No. 10—Carriages Maker's Rabbet Plane, 13 in. long, 2 1/8 in. Cutter each \$2 75

**Rabbet and Block Plane**

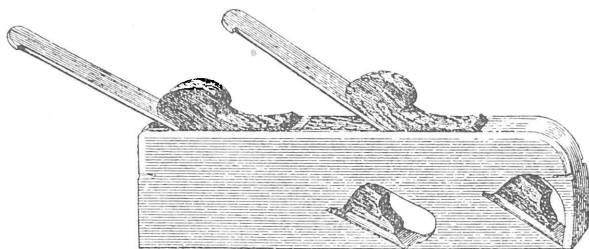
A detachable side will easily change this tool from a Block Plane to a Rabbet Plane or *vice versa*. The cutter is set on a skew.

No. 140—Rabbet and Block Plane, 7 inches in length, 1 1/2 inch Cutter each \$1 25
 Extra Cutters for 140 each 20 cents

Rabbet Planes

No. 849— $\frac{3}{4}$ x8 inch, Wrought Steel, Dove-tailed, fitted with Rosewood ...each \$3 90

" **849**— $\frac{3}{4}$ x9 inch, Wrought Steel, Dove-tailed, fitted with Rosewood... " 4 25

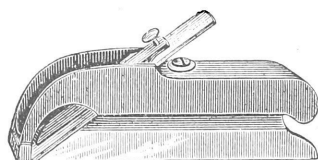


No. 851— $\frac{3}{4}$ x9 in., Wrought Steel, Dove-tailed, fitted with Rosewood, two irons.....each \$5 60

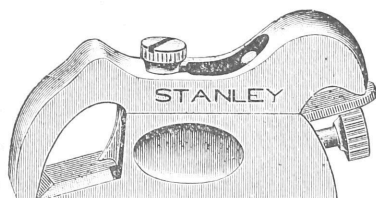
**Bull-Nose Rabbet Planes**

No. 855—1 inch, Bull-Nose Rabbet, Malleable Iron, with Rose-wood Wedge.....each \$2 50

" **855**—1 $\frac{1}{8}$ inch, Bull-Nose Rabbet, Malleable Iron, with Rose-wood Wedge..... " 2 75

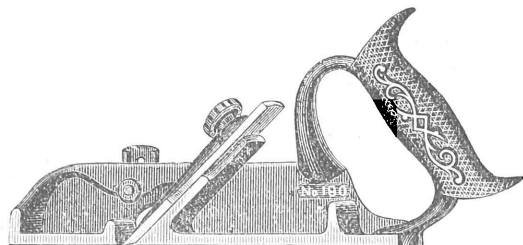


No. 75—Iron Stock, 4 inches long, 1 inch Cutter each \$0 35



No. 90—Adjustable, 4 in. long, 1 in. Cutter, Nickel Plated, ea. \$1 95

" **93**— " 6 $\frac{1}{2}$ " 1 " " " " 2 30

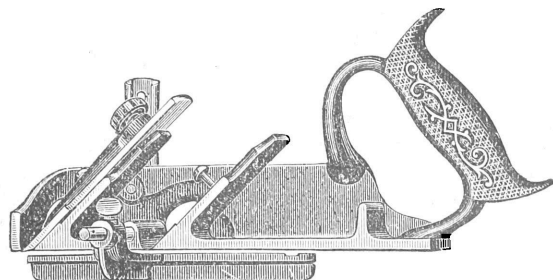
Improved Rabbet Plane

No. 190—Iron Stock, 8 in. in length, 1 $\frac{1}{2}$ in. wide, with Spur...each \$1 15

" **191**— " 8 " " 1 $\frac{1}{2}$ " " " " 1 15

" **192**— " 8 " " 1 " " " " 1 15

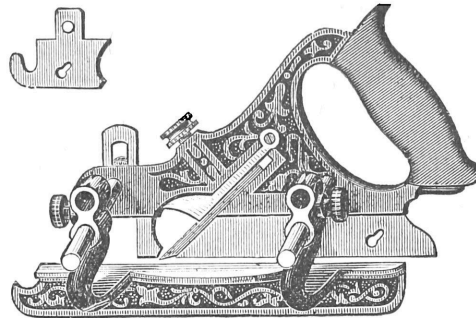
This plane will lie perfectly flat on either side and can be used with right or left hand equally well while planing into corners or up against perpendicular surfaces.

Rabbet Plane or Filletster

No. 78—Iron Stock and Fence, 8 $\frac{3}{4}$ in. long, 1 $\frac{1}{2}$ in. Cutter, each \$1 45

Remove the arm to which the fence is secured, and a handled Rabbet Plane is had; and with two seats for the cutter, so that the tool can be used as a Bull-Nose Rabbet if required

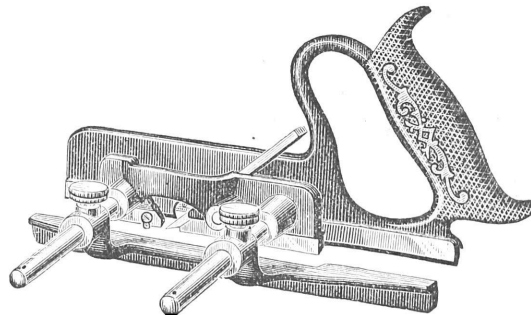
The arm to which the fence is secured can be screwed into either side of the stock, thus making a superior right or left hand Filletster, with adjustable spur and depth gauge.

"Bull Nose" Plow and Matching Plane

Two interchangeable front parts go with this tool. The form shown is that of a Bull-nose plow; and the Cutter will easily work up to and into $\frac{1}{2}$ inch hole, or any larger size—as in sash fitting, stair work, etc. With the other front on, it takes the ordinary form of a plow and is adapted to all regular uses.

With each tool eight plow bits ($\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$ and $\frac{5}{8}$ in.) and a Slitting Blade are furnished; also a Tonguing Tool ($\frac{1}{4}$ in.)

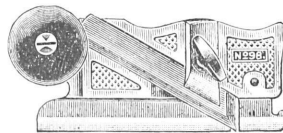
No. 143 —Nickel Plated with ten Tools, Bits, etc	...	...	...	...	...	each	\$4 85
" 141—	"	"	"	and a Filletster	...	"	6 80

Combined Beading and Matching Plane

This tool cannot be surpassed for ordinary beading or centre beading.

With each Plane are furnished Beading Tools $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$ in., and a pair of $\frac{1}{4}$ in., matching tools.

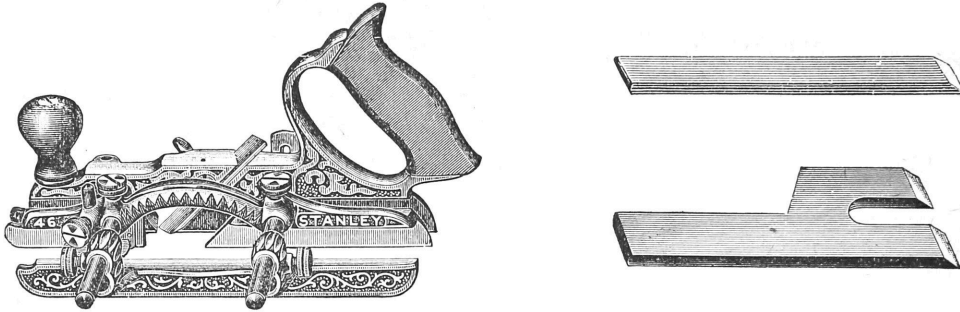
No. 50 —Nickel Plated Stock and Fence	..	..	..	..	..	each	\$3 00
--	----	----	----	----	----	------	--------

Side Rabbet Plane

A convenient tool for side rabbetting and trimming dados, mouldings and grooves of all sorts. A reversible nose-piece will give the tool a form by which it will work close up into corners when required.

No. 98 —Side Rabbet Plane, 4 inches in Length, Right Hand	...	...	...	each	90 cents
" 99	"	"	Left	"	90 "
Extra Cutters for above	...	...	...	"	20 "

MAY WE HAVE THE OPPORTUNITY TO PROVE THESE TOOLS TO YOU

Traut's Adjustable Dado, Plow, Etc.

This Tool is accompanied by eight Plow and Dado Bits ($\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{7}{8}$ and $1\frac{1}{4}$ inch), a Filletster Cutter, a Slitting-tool, and a Tonguing-tool. All except the Slitting Blade are secured in the main stock on a *skew*.

Price, including Plow-bits, Slitting and Tonguing Tools.

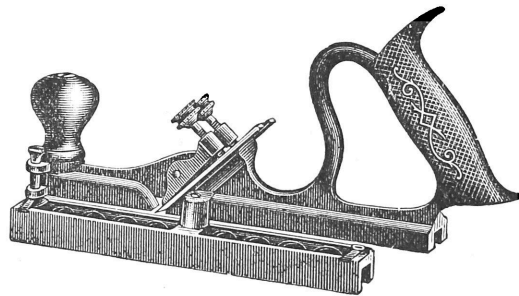
No. 46—Nickel-plated, with Eleven Tools, Bits, etc. each \$6 80

Adjustable Dado.

This Tool has the same stock and arms as shown above (No. 46)—but it can be used as a Dado only.

Price, including Bits ($\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{7}{8}$ and $1\frac{1}{4}$ inch), and Slitting-tool.

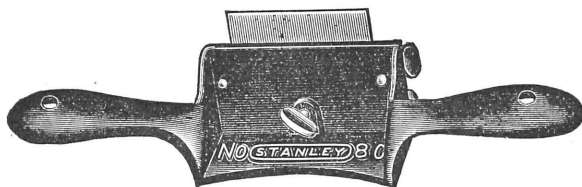
No. 47—Nickel-plated, with Six Tools, Bits, etc. each \$3 90

**Tonguing and Grooving Plane**

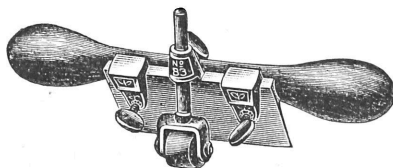
Price, including Tonguing and Grooving Tools.

No. 48—Nickel-plated Stock and Fence, for $\frac{3}{4}$ to $1\frac{1}{4}$ inch Boards each \$2 45
" 49 " " " $\frac{3}{8}$ to $\frac{3}{4}$ " " 2 45

This plane has two separate cutters, a suitable distance apart. When the guide or fence is set, as shown in cut, both cutters work and a tongue can be made. The fence is hung on a pivot and can be swung around end for end. This movement covers one of the cutters, and also furnishes a guide for grooving an exact match for the tongue.

**Stanley's Cabinet Scrapers**

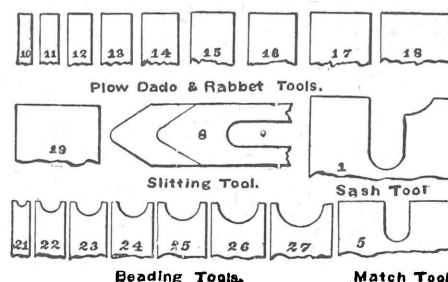
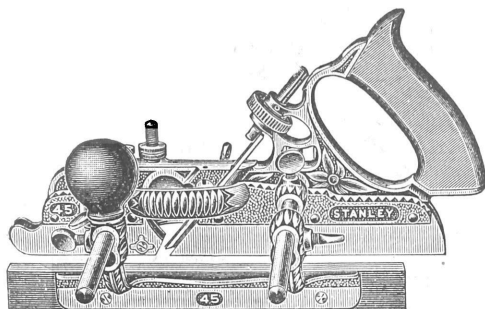
No. 80—Raised Handles, 11 inch, $2\frac{3}{4}$ inch
 Blade each \$1 00
 Extra Cutters.. . . . " 23



This scraper can be adjusted to any desired pitch; and may be worked toward or from the person using it. The Roller acts as a support to relieve the strain on the wrist and hands of the workman. The Handle can be detached for working into corners.

No. 83—Wood Scraper, with Handles and Roller, 3 inch
 Blade each \$1 00

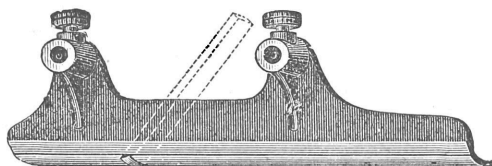
WE CARRY A LARGE AND VARIED STOCK OF BUILDERS HARDWARE

Stanley Adjustable Combination Plane

This Plane embraces in a compact form, a Beading and Centre Beading Plane, Rabbit and Filletster, Dado, Plow, Match Plane, and a superior Slitting Plane. In each of its several forms this Plane will do perfect work. Full directions accompany each tool,

Each Plane is accompanied by seven Beading Tools ($\frac{1}{8}$, $\frac{1}{16}$, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ inch), ten Plow and Dado Bits ($\frac{1}{8}$, $\frac{1}{16}$, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and $\frac{7}{8}$ inch), a Slitting Blade, a Tonguing and a Sash Tool.

No. 45—Complete with tools mentioned aboveeach \$7 75

Hollows and Rounds for Plane No. 45

No	6	8	10	12
Cutter	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1 Inch Wide.
Works	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$ Inch Circle.
Price	\$1 35	1 35	1 35	1 35 Per Pair

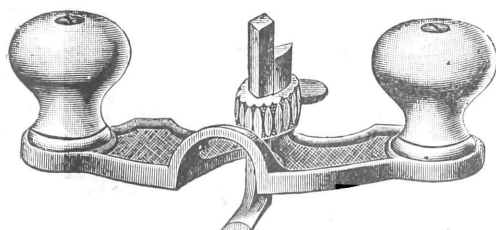
Nosing Tool, for Plane No. 45

No. 5—Nosing Tool, 1 $\frac{1}{4}$ inch (attach same as above)each \$1 00

Reeding Tools, for Plane No. 45

Size of Beads, either $\frac{1}{8}$, $\frac{1}{16}$, or $\frac{1}{4}$ inch—Uniform Price.

2 Beads, 20 cents ; 3 Beads, 30 cents ; 4 Beads, 40 cents ; 5 Beads, 50 cents, each.

**Woodworkers' Handy Router Plane**

This tool should be added to the kit of every skilled Carpenter, Cabinet Maker, Stair Builder, Pattern Maker or Wheelwright. It is perfectly adapted to smooth the bottom of grooves, panels or all depressions below the general surface of any woodwork.

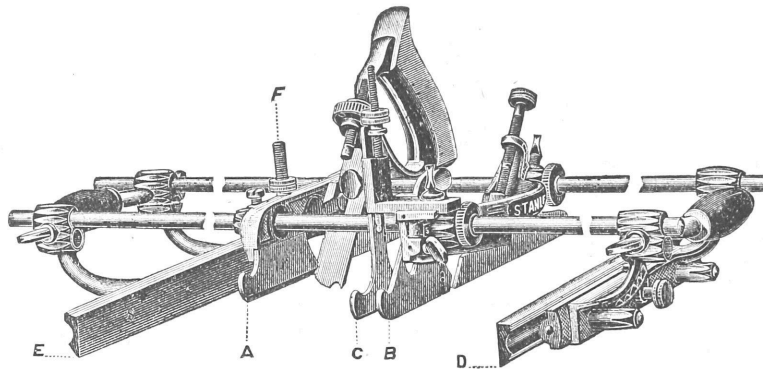
The Bits can also be clamped to the backside of the upright post, and outside of the stock. In this position they will plane into corners, will router out mortices for Sash-

frame Pulleys, or will smooth surfaces not easily reached with any other tool.

No. 71 —Nickel Plated Stock, with Steel Bits ($\frac{1}{4}$ and $\frac{1}{2}$ inch).....each \$1 80
" 71 $\frac{1}{2}$ — " " " " ($\frac{1}{4}$ and $\frac{1}{2}$ inch) with closed throat " 1 45
 Extra Cutters for above " 30

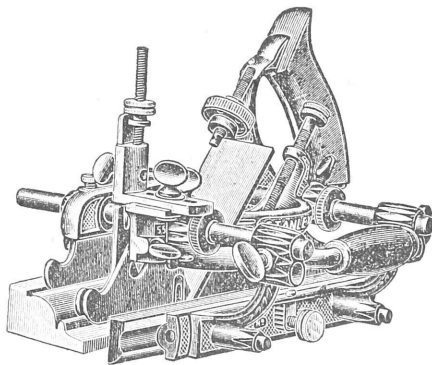
Stanley Patent Universal Plane No. 55

This Tool, in the hands of an ordinary carpenter, can be used on all lines of work covered by a full assortment of so-called Fancy Planes.



No. 55—Stanley Universal Plane, with 52 Tools, Bits, etc.each \$15 50

The Plane is Nickel-plated ; the 52 Cutters are arranged in four separate cases ; and the entire outfit is packed in a neat Wooden Box.



AS MOULDING PLANE.

This Plane consists of :—

A Main Stock (A) with two sets of transverse sliding arms, a depth gauge (*F*) adjusted by a screw, and a Slitting Cutter with stop.

A Sliding Section (B) with a patent vertically adjustable bottom.

The Auxiliary Centre Bottom (C) is to be placed in front of the Cutter, as an extra support, or stop, when needed. This bottom is adjustable both vertically and laterally.

Fences (D) and (E). Fence D has a lateral adjustment by means of a screw for extra fine work. The Fences can be used on either side of the Plane, and the rosewood guides can be tilted to any desired angle, up to 45°, by loosening the screws on the face. Fence E can be reversed for Center Beading wide boards.

An Adjustable Stop to be used in beading the edges of matched boards is inserted on the left hand side of Sliding Section (B).

By means of the patent adjustable bottom and the auxiliary center bottom it is possible to use a cutter of practically any shape with this Plane.

Each Plane is sold with the Fifty-two (52) Cutters marked ♦ in upper Plates on page 31.

Cutters shown in lower plate, page 31, are kept in stock and will be furnished to order. Cutters are shown one-half size. Style, sizes and prices are given on page 31.

DIRECTIONS

Moulding Plane.—Insert a Cutter and adjust bottom of Sliding Section (B) to conform to the shape of the Cutter ; then, by means of the two Check-nuts on the transverse arms, fasten this section firmly, before tightening the thumb-screws which secure the sliding section to the arms.

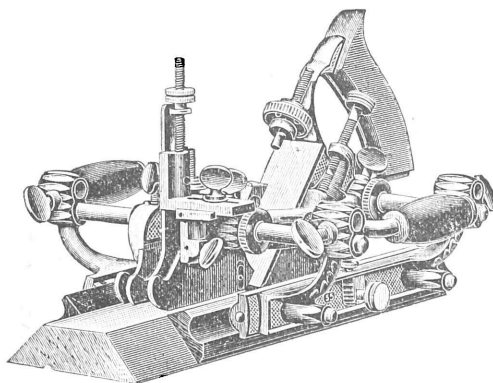
When needed, adjust Auxiliary Center Bottom (C) for an additional support in front of the Cutter. By tilting the rosewood guides on Fences D and E, mouldings of various angles may be formed.

Match, Sash, Beading, Reeding, Fluting, Hollow, Round, Plow, Rabbit and Filletster Plane.—Use in the same manner as for Mouldings. In working Match and Sash Cutters, the Auxiliary Center Bottom (C) may be used as a stop.

Dado.—Remove the Fences (D and E) and set the spurs parallel with the edges of Cutter. Insert long Adjustable Stop on left hand side of Sliding Section.

Slitting Plane.—Insert the Cutter and Stop on right hand side of Main Stock, and use Fence D or E for guide.

Chamfer.—Insert the desired Cutter ; fasten a Fence on each side of the Plane, and tilt the rosewood guides to required angle. For Chamfer Beading, use in the same form as above, and feed the Cutter down, gradually, by use of thumb nut for adjustment.

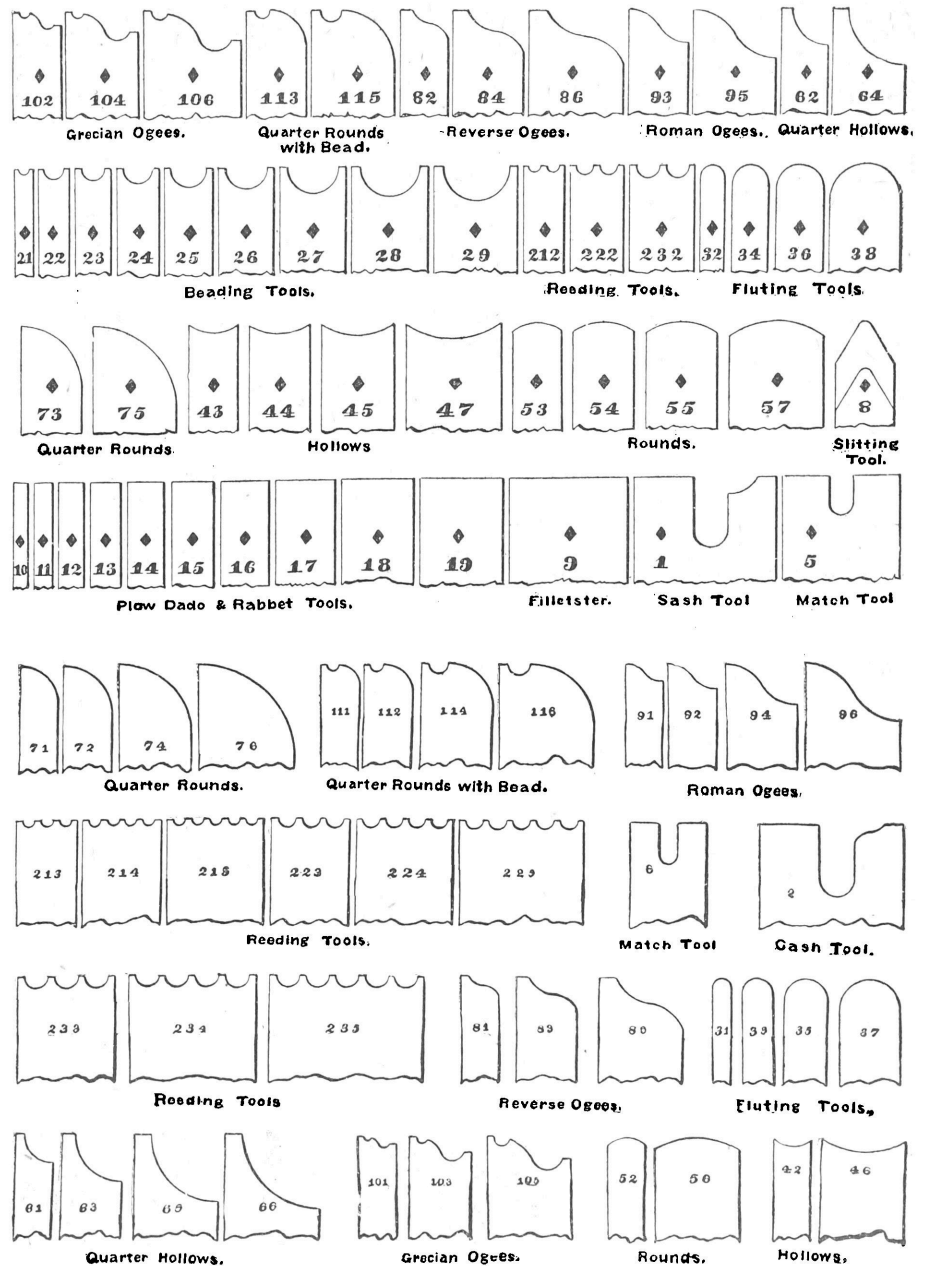


AS CHAMFER.

QUALITY REMAINS LONG AFTER PRICE IS FORGOTTEN.

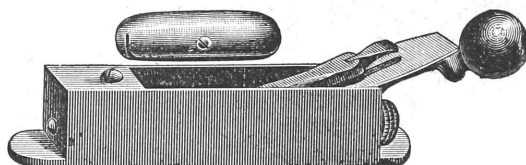
Cutters for Stanley Patent Universal Plane No. 55

No.	Size.	Style.	Each.
1	1½ in.	Sash Tool	\$0 50
2	1½ in.	"	50
5	½ in.	Match "	50
6	3/16 in.	"	50
8	"	Slitting Tool	30
9	1½ in.	Filletster	25
10	½ in.	Plow and Dado Tool	15
11	3/16 in.	"	15
12	¼ in.	"	15
13	5/16 in.	"	15
14	¾ in.	"	20
15	7/16 in.	"	20
16	½ in.	"	20
17	5/8 in.	"	20
18	¾ in.	"	20
19	7/8 in.	"	25
21	½ in.	Bead Tool	15
22	3/16 in.	"	15
23	¼ in.	"	15
24	5/16 in.	"	20
25	¾ in.	"	20
26	7/16 in.	"	25
27	½ in.	"	25
28	5/8 in.	"	30
29	¾ in.	"	30
31	3/16 in.	Fluting Tool	30
32	¼ in.	"	30
33	5/16 in.	"	30
34	¾ in.	"	30
35	7/16 in.	"	30
36	½ in.	"	30
37	5/8 in.	"	30
38	¾ in.	"	30
42	½ in.	Hollow	20
43	¾ in.	"	20
44	5/8 in.	"	20
45	¾ in.	"	20
46	7/8 in.	"	20
47	1 in.	"	20
52	¾ in.	Round	20
53	½ in.	"	20
54	5/8 in.	"	20
55	¾ in.	"	20
56	7/8 in.	"	20
57	1 in.	"	20
61	¾ in.	Quarter Hollow	45
62	½ in.	"	45
63	5/8 in.	"	45
64	¾ in.	"	50
65	7/8 in.	"	50
66	1 in.	"	50
71	¾ in.	Quarter Round	45
72	½ in.	"	45
73	5/8 in.	"	45
74	¾ in.	"	50
75	7/8 in.	"	50
76	1 in.	"	50
81	¾ in.	Reverse Ogee	45
82	½ in.	"	45
83	5/8 in.	"	45
84	¾ in.	"	50
85	7/8 in.	"	50
86	1 in.	"	50
91	¾ in.	Roman Ogee	45
92	½ in.	"	45
93	5/8 in.	"	45
94	¾ in.	"	50
95	7/8 in.	"	50
96	1 in.	"	50
101	¾ in.	Grecian	45
102	½ in.	"	45
103	5/8 in.	"	45
104	¾ in.	"	50
105	7/8 in.	"	50
106	1 in.	"	50
111	¾ in.	¼ Round with Bead	45
112	½ in.	"	45
113	5/8 in.	"	45
114	¾ in.	"	50
115	7/8 in.	"	50
116	1 in.	"	50
212	¾ in.	Reed Tool, 2 Beads	20
213	½ in.	"	30
214	5/8 in.	"	40
215	¾ in.	"	50
222	3/16 in.	"	20
223	3/16 in.	"	30
224	3/16 in.	"	40
225	3/16 in.	"	50
232	¼ in.	"	20
233	¼ in.	"	30
234	¼ in.	"	40
235	¼ in.	"	50



Cabinet Makers' Block Plane

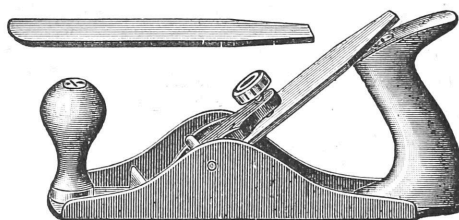
This Plane is used by Piano Forte Makers, Cabinet Makers and kindred trades, where an extra fine tool is required in finishing hard woods, etc.



No. 9 —Cabinet Makers' Plane, 10 inches in length, 2 inch Cutter	each	\$3 65
Extra Cutters for above	"	25

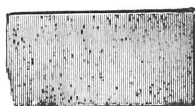
Improved Scrub Planes

This tool has a single iron, with the cutting edge rounded, and is particularly adapted for roughing down work before using a jack or other plane.



No. 40 —Iron Stock, $9\frac{1}{2}$ inches in length, $1\frac{1}{4}$ inch Cutter.....	each	\$1 00
" 40$\frac{1}{2}$ — " $10\frac{1}{2}$ " " $1\frac{1}{2}$ "	"	1 35
Extra Cutters for $1\frac{1}{4}$ inch Plane	"	20
" " $1\frac{1}{2}$ "	"	25

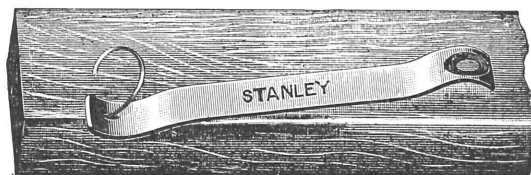
Cabinet Scrapers



Size	$2\frac{1}{2} \times 4\frac{1}{2}$	3×5	3×6	4×5	4×6 inches.
Disston's	each 7	7	...	10	10 cents.
Stanley's No. O	" ...	25	25	...	"

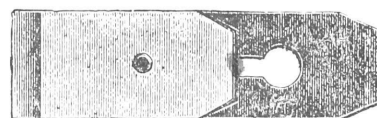
Stanley Cornering Tool

Used by all woodworkers in rounding sharp edges.

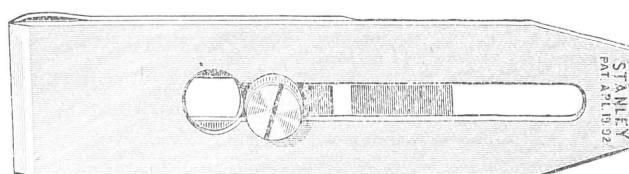


No. 28 —Cornering Tool, $\frac{1}{8}$ and $\frac{1}{4}$ inches, flat steel.....	each	\$0 35
" 29 — " " $\frac{1}{4}$ " $\frac{3}{8}$ " "	"	35

FOR FULL PARTICULARS SEE THE GOODS.

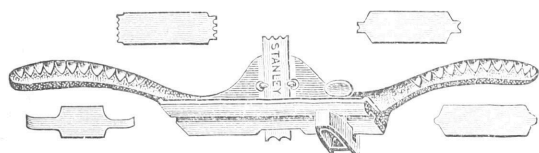
**Sorby's Plane Irons**

Inches	1 $\frac{3}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{5}{8}$	2 $\frac{3}{4}$
Cut .....each	20	22	23	25	27	30	32	36	40 cents.
Double	36	41	43	45	49	53	56	62	67 "
Parallel, Cut	...	...	29	30	34	36	38	...	...
" Double	...	...	48	50	54	59	63	...	...
Toothing Irons	...	...	32	...	...	...	...	...	...

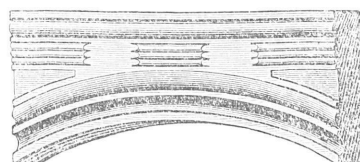
Bailey's Improved Plane Irons

Size	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	2	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{8}$	2 $\frac{5}{8}$ inch.
Single Irons.....each	17	21	23	26	27	27	28	31 cents.
Double Irons	31	34	36	40	45	45	45	50 "

Orders for Plane Irons should state the number of the Planes for which they are wanted. In ordering Double Plane Irons, state whether for wood bottom or all iron planes.

Universal Hand Bearer

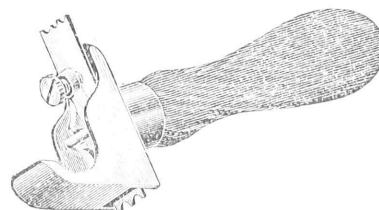
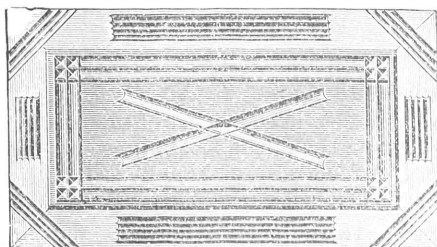
Sample
of
Work



Done
by
Bearer.

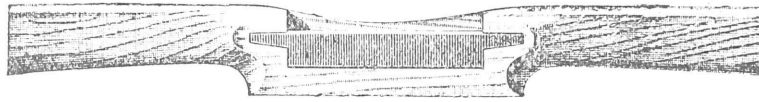
For Beading, Reeding and Fluting, straight or irregular surfaces, and for all kinds of light Routing. With square gauge for straight and an oval gauge for curved work. Both ends of the cutters are sharpened, thus embracing six ordinary sizes of beads, four sets of reeds, two fluters and a double router iron ($\frac{1}{8}$ and $\frac{1}{4}$ inch).

No. 66—Nickel-plated Stock, with seven Steel Cutters.....each \$1 10

**Single Handed Bearer**

For Beading, Reeding or Fluting Diagonal Lines, etc.

No. 69—Nickel-plated, with six Steel Cutters and one Blankeach \$0 85

Spoke Shaves

	Length of Blade	..	..	..	1½	2	2½	3 inches
No. 925	—Beechwood	..	..	each	25	25	25	30 cents
" 980	—Boxwood	..	..	"	35	35	35	40 "
	Extra Irons for above	..	..	"	12	12	12	13 "



	Length of Blade	..	..	..	1½	2	2½	3 inches
No. 931	—Boxwood, Brass Plated	..	..	each	50	50	50	55 cents

**Iron Spoke Shaves**

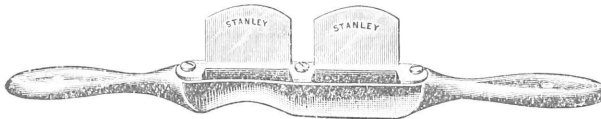
No. 11—Straight Handles, 9 inch, 1½ inch Cutter .. each \$0 15



No. 51—Double Iron. Raised Handles, 10 inch, 2½ inch Cutter .. each \$0 30
Cutters for No. 51 .. " 9



No. 55—Double Iron. Hollow Face, 10 inch, 2½ inch Cutter .. each \$0 25



No. 60—Double Cutter, Hollow and Straight 10 inch, 1½ inch Cutter .. each \$0 35



The circular shape of this tool enables it to work in smaller circles than other shapes. The angle of the knife is such that it cuts instead of scraping the grain of the wood. Either handle can be removed to work in cramped places.

No. 1 each \$0 95

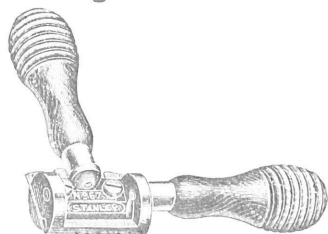
No. 2 each \$1 35

**Universal Spoke Shave**

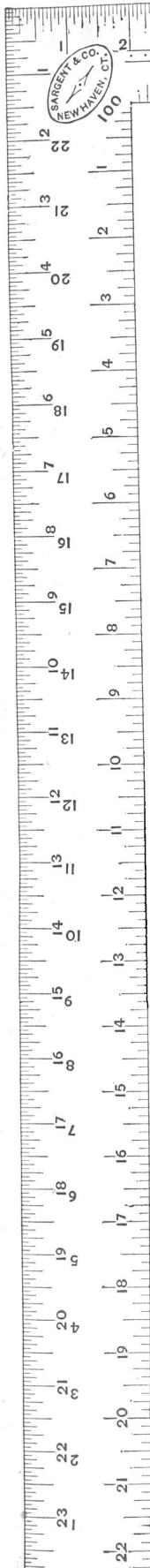
Both handles are detachable and either of them can be screwed into a socket on top of the stock, thus enabling the owner to work into corners, or panels, as no other spoke shave can do.

This spoke shave has two detachable bottoms adapting it equally well to circular work or straight; and by means of a movable width gauge the tool can be used in rabbeting.

No. 67—Nickel-plated, Rosewood Handle .. each \$1 50



GET OUR PRICES ON MANTELS



Polished Steel Squares, Two Feet

	Width.	Length of Tongue.	Graduations.	Price, Each.
No. 100	2 inch	16 inches	$\frac{1}{32}$, $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$ with brace measure, 8 square, $\frac{1}{16}$ scale and Essex's new board measure, giving the feet and inches in full.	\$1 35
" 100B	Same as No. 100,	only blued		1 75
" 1	2 inch	16 inches	$\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$ with brace measure, 8 square, $\frac{1}{16}$ scale, and Essex's new board measure	1 10
" 2	2 "	16 "	$\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$ with brace measure, 8 square and Essex's new board measure	1 00
" 3	2 "	16 "	$\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$ with board and brace measure	95
" 5	2 "	16 "	$\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$ with board and brace measure	85
" 7	2 "	16 "	$\frac{1}{8}$, $\frac{1}{4}$, 1 inch with board measure	80
" 14	2 "	16 "	$\frac{1}{8}$, $\frac{1}{4}$, 1 " " "	85
" 100R	2 "	16 "	$\frac{1}{32}$, $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{16}$ scale, 8 square and patent rafter table...	1 50

Nickel-Plated Steel Squares, Two Feet

	Width.	Length of Tongue.	Graduations.	Price, Each.
No. 102	2 inch	16 inch	$\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$ with brace measure, 8 square, $\frac{1}{16}$ scale and Essex's new board measure	\$1 25
" 200	2 "	16 "	$\frac{1}{32}$, $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$ with brace measure, 8 square, $\frac{1}{16}$ scale and Essex's new board measure	1 70

Polished Steel Squares, One Foot

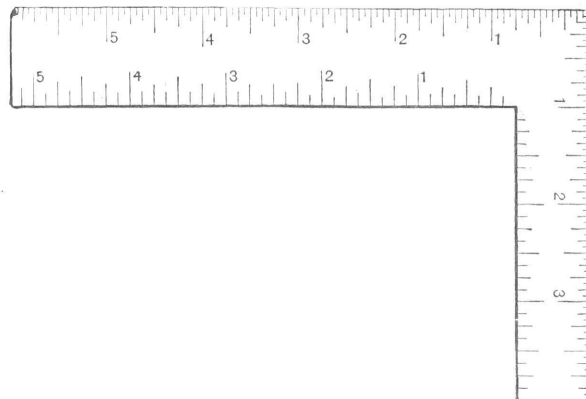
No. 12	1½ inch, 8 inch tongue,	$\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$	each	\$0 85
" 112	Nickel-Plated, otherwise same as No. 12.		"	1 00

Bright Iron Squares

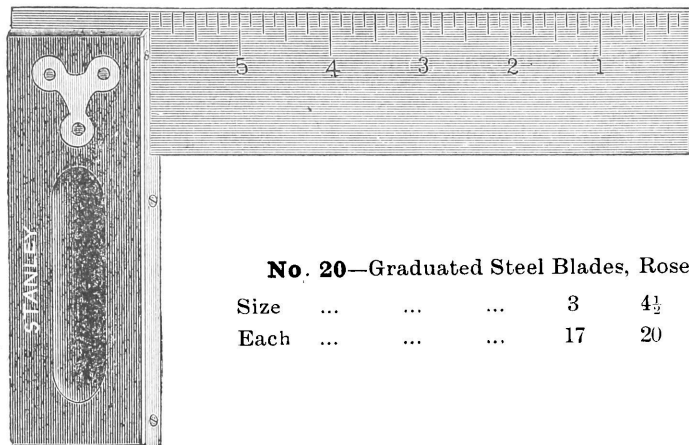
No. 493	1½ inch wide, graduated	$\frac{1}{8}$ ths on both sides	each	\$0 25
" 494	2 " " "	$\frac{1}{8}$ ths " "	"	35

Machinists' Squares

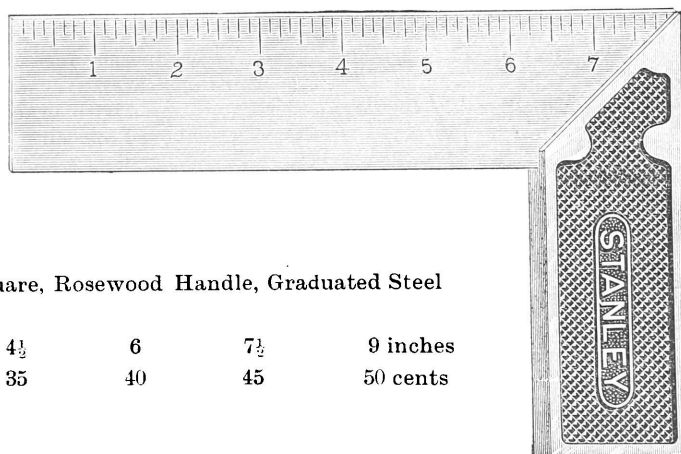
No. 40	1½ in. wide, ¾ in. tongue, graduated $\frac{1}{32}$, $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$ inch	each	\$0 50
" 140	Nickel-plated, otherwise same as No. 40	each	65



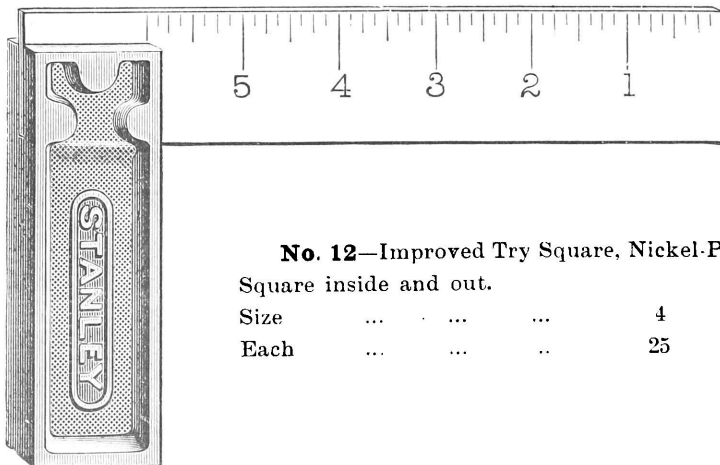
Nos. 40 and 140.

Try Squares**No. 20**—Graduated Steel Blades, Rosewood Handles with Brass Face-plates.

Size	...	...	...	3	4½	6	7½	9	10	12 inches
Each	...	...	...	17	20	27	29	35	38	45 cents

**No. 2**—Combined Try and Mitre Square, Rosewood Handle, Graduated Steel Blades Square inside and out.

Size	...	...	...	4½	6	7½	9 inches
Each	...	...	...	35	40	45	50 cents

**No. 12**—Improved Try Square, Nickel-Plated Handle, Graduated Steel Blade Square inside and out.

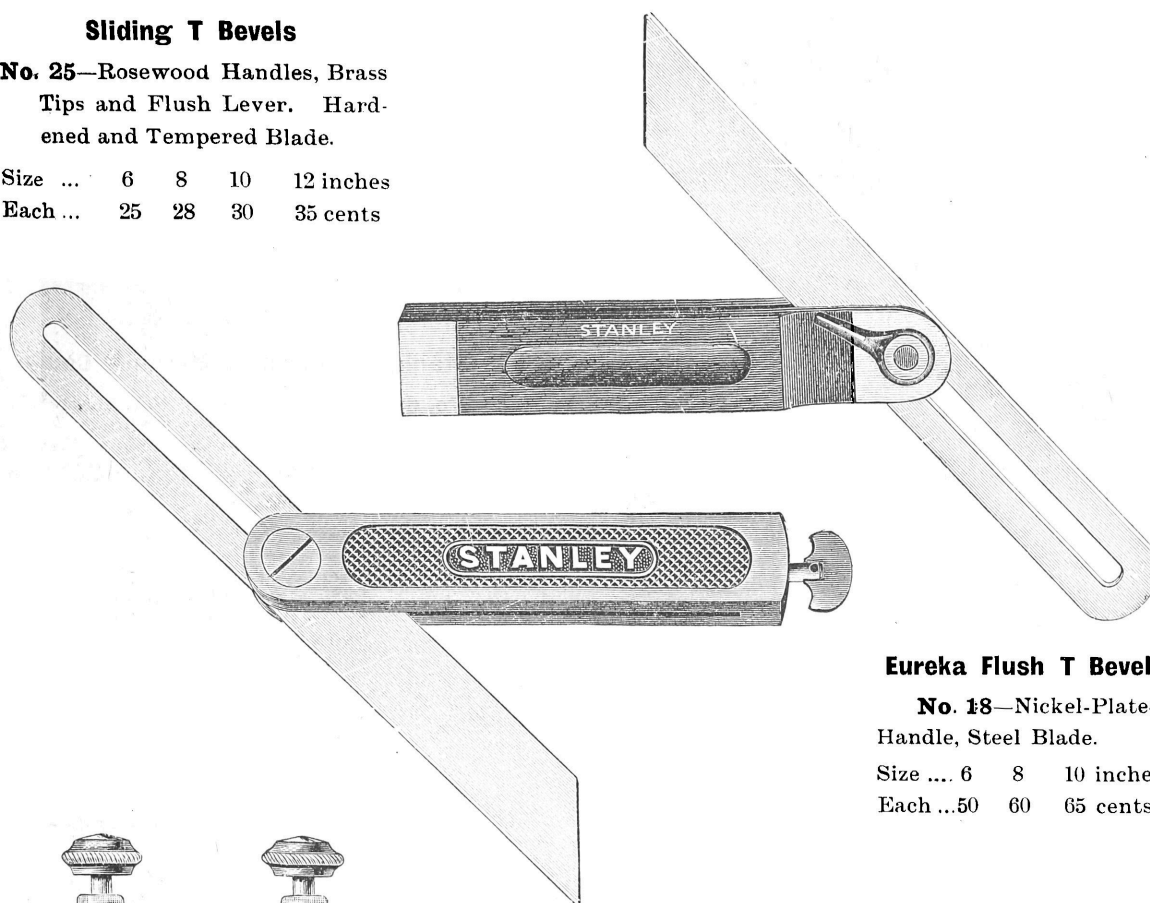
Size	...	...	...	4	6	8	10	12 inches
Each	...	...	..	25	30	38	45	60 cents

IF ITS TRASH YOU WANT, WE DON'T KEEP IT

Sliding T Bevels

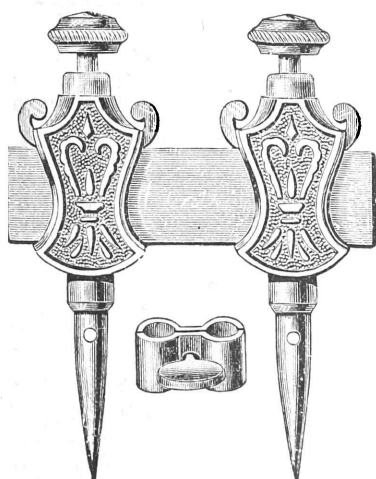
No. 25—Rosewood Handles, Brass
Tips and Flush Lever. Hard-
ened and Tempered Blade.

Size ... 6 8 10 12 inches
Each ... 25 28 30 35 cents

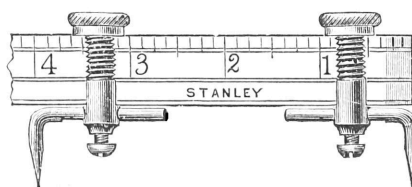
**Eureka Flush T Bevel**

No. 18—Nickel-Plated
Handle, Steel Blade.

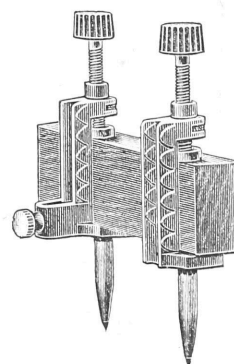
Size ... 6 8 10 inches
Each ... 50 60 65 cents



Style of Nos. 1, 2, 3.

Trammel Points

Rule Trammel Points No. 99.

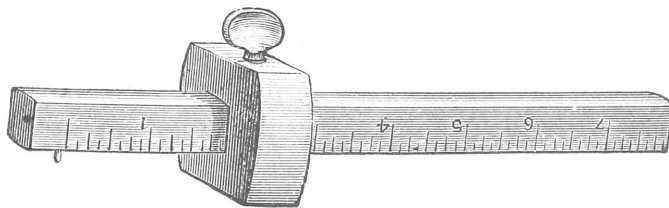


No. 4

No. 1 —Small Bronze Metal, Steel Points	...	...	...	...	...	...	per pair	\$0 95
" 2 —Medium	"	"	...	...	...	...	"	1 20
" 3 —Large	"	"	...	...	...	...	"	1 65
" 4 —Nickel-Plated Steel Points	...	...	...	...	...	...	"	70
" 99 —Rule Trammel Points	...	...	...	...	...	...	per set of three	55

SEND US A TRIAL ORDER AT LEAST

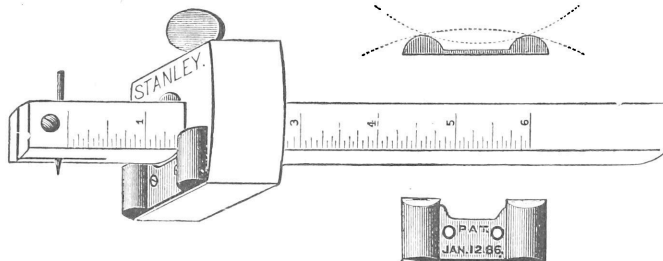
Marking and Mortise Gauges



No. 61—Beechwood, Boxwood Thumb Screw, Oval Bar, Marked Steel Point each \$0 07

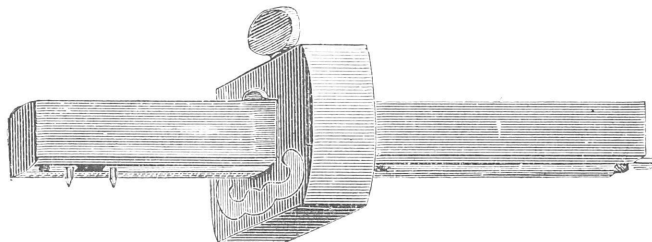
“ **62**—Beechwood, Polished, Boxwood Thumb Screw, Marked, Oval Bar, Adjusting Steel Point. Each \$0 12

“ **64**—Polished, Plated Head, Boxwood Thumb Screw, Oval Bar, Marked, Adjusting Steel Point. Each \$0 17



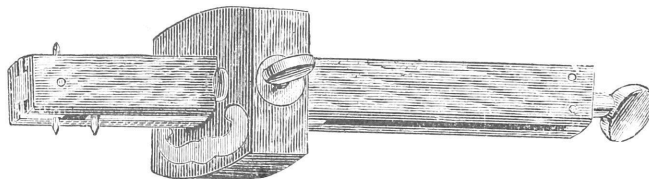
Stanley's Improved Marking Gauge

No. 68—Mortise Gauge, Plated Head, Adjustable Wood Slide, Brass Thumb Screw and Shoe, Marked, Steel Points.....each \$0 35

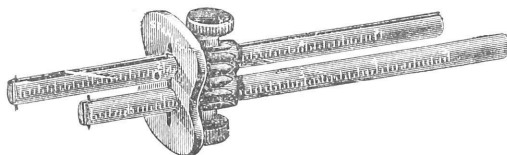


No. 73—Patent Mortise Gauge, Boxwood, Polished Plated Head, Brass Slide, Brass Thumb Screw and Shoe, Oval Bar, Marked, Steel Pointseach \$0 50

“ **70**—Cutting Gauge, Mahogany, Oval Bar, Marked, Steel Points, Each \$0 25



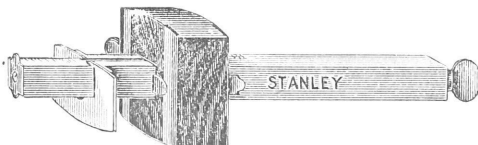
No. 77—Patent Mortise and Marking Gauge, Rosewood, Plated Head, Improved Screw Slide, Brass Thumb Screw and Shoe, Oval Bar, Marked, Steel Points. Each \$0 60



This Gauge is made of Metal, and has two graduated bars. The Steel Points are attached very near the ends of the bars, to admit of being used close up to a rabbet, or corner.

No. 91—Nickel-plated Marking and Mortise Gauge. Each..... \$0 70

“ **90**—Nickel-plated Marking Gauge.....each 40



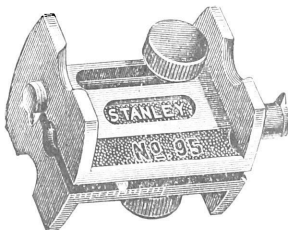
Stanley's Butt and Rabbet Gauge

FOR HANGING DOORS, MORTISING, MARKING, ETC.

This Gauge has two bars, both of brass, one moveable within the other. The two Steel Blades or Markers at the extreme end of the inner bar, can be moved to any position by means of a thumb screw at opposite end of Gauge.

No. 92—Improved Butt and Rabbet Gauge.....each \$1 30

Improved Butt Gauge



A Metallic Butt Gauge, having one bar with two Steel Cutters fixed upon it. When the Cutter at the outer end of this bar is set for gauging on the edge of the door, the Cutter at the inner end of the bar is already set for gauging from the back of the jamb. The other bar has a Steel Cutter to accurately gauge for the thickness of the butt.

No. 95—Nickel-plated Butt Gauge.....each \$0 80



Hexagon Pocket Levels

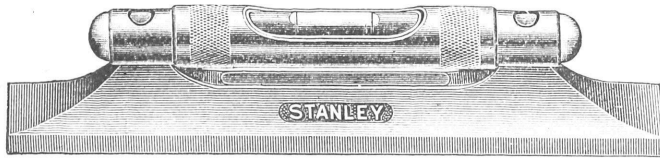
With Detachable Base Piece.

No. 33—Nickel-Plated with Ground Glasses each \$1 35



No. 31—Hexagon Pocket Levels, Nickel-Plated, Proved Glasses.

Size	2½	3½ inches
Each	30	40 cents

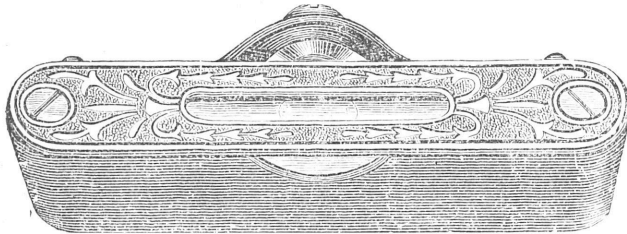


Eclipse Levels

No. 34 — Nickel-Plated, with Ground Glasses.

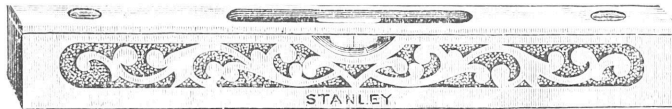
Size	4	6	8 inches
Each	\$1 10	1 25	1 75

Will be sent with V bottoms for levelling shafting, etc., at same price, if so ordered.



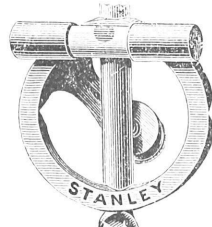
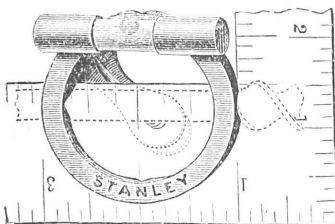
Pocket Levels

No. 41 —Iron, Brass Top Plate	each \$0 12
“ 42 —Brass, “ “	“ 35
“ 46 —Iron, “ “ a superior article “	17



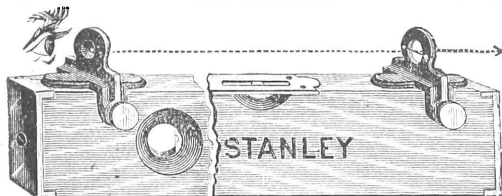
Machinists' Iron Level

No. 38½ —Iron Level, Nickel-Plated, 4 inch	each \$0 40
“ 39½ — “ “ “ “ 6 “	50



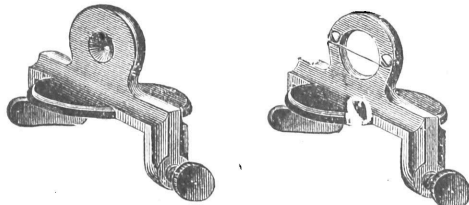
Stanley's Patent Bit and Square Level

No. 44—Bit and Square Level, Brass Frame, in a box each \$0 35



Stanley's Improved Level Sights

This ingenious device when attached to a level, enables the owner to conveniently and accurately level from one given point to another at a long distance away.



No. 1 —Improved Level Sights for Wood Levels ..	per pair \$0 55
“ 2 — “ “ “ “ “ Iron “ ..	“ 85

Proved Level Glasses

Made of extra thick tubing.



Size up to ..	1¾	2	2½	3	3½	4 inches
Per dozen ..	65	70	75	80	90	100 cents
Each	6	7	7	8	9	10 “

Stanley Masons' Plumb and Level and Plumb Rule

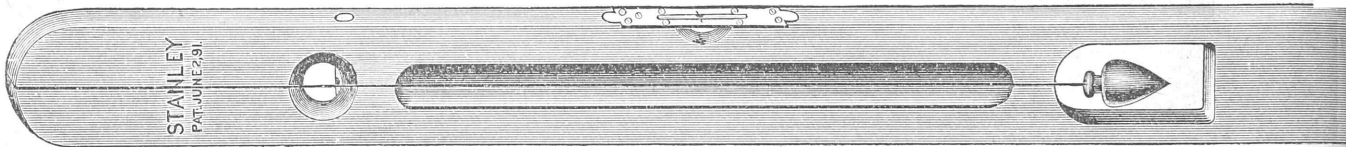


No. 45—Adjustable Masons' Plumb and Level, adapted also for Plumb Bob and Line, Square Top Plate, Two Brass Lipped Side Views, Two Plumbs, with Proved Glasses.
Length 48 inches each \$3 00

The Two Plumb Glasses are set in separate holes, but each on the right hand side. This will enable the workman to plumb work below where he stands, or above him, without turning the Level Stock end for end.

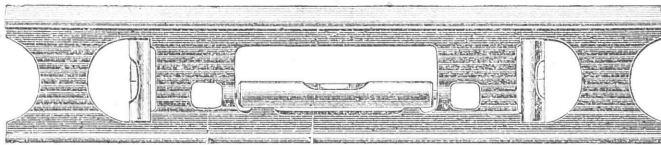
There are also Two Plumb Bob Holes, so that the Plumb Bob can be used from either end of the Level. These improvements will be found a great convenience by the workman.

Masons' Plumb and Level



No. 35—Adjustable Masons' Plumb and Level, adapted also for Plumb Bob and Line, 42 inch. . . each \$1 60

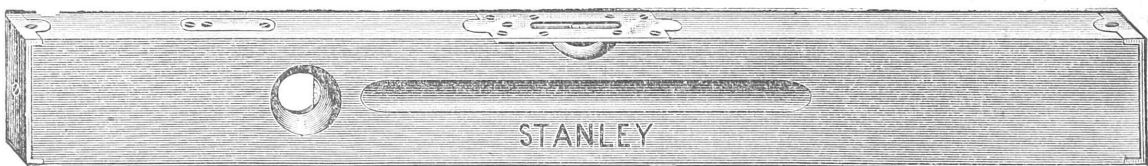
Metallic Plumbs and Levels



No. 36—Japanned, Nickel-Plated Trim-mings, with Proved Glasses, Two Plumbs.

Length.....	12	18	24 inches
Each	\$1 55	1 85	2 10

Plumbs and Levels



No. 0

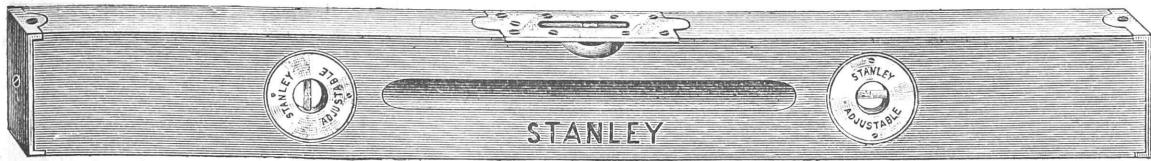
No. 101—Arch Top Plate, Two Side Views, Polished, 12 to 18 inch each \$0 55
0— 24 to 30 " " 70



No. 3

No. 3—Adjustable, Arch Top Plate, Two Side Views, Polished and Tipped, 24 to 30 inch.....each \$1 15
5— Triple Stock, Arch Top Plate, Two Ornamental Brass Lipped Side Views,
 Polished and Tipped, 24 to 30 inch " 1 70

NOW WE ARE AFTER YOU. WHEN YOU KNOW OF OUR GOODS, YOU'LL BE AFTER US.

PLUMBS AND LEVELS

No. 50—Patent Adjustable Plumb and Level, Cherry, Triple Stock, Arch Top Plate, Improved

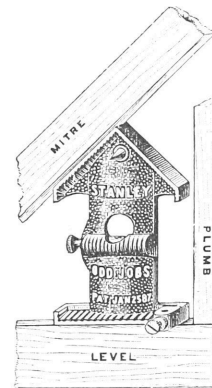
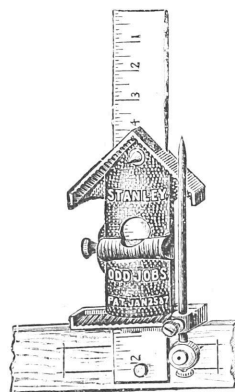
Duplex Side Views, Polished, Tipped, 24 to 30 inches each \$2 00

No. 723—Rosewood Plumb and Level, tapered at ends with Brass Tips, makes a handy Pocket Level.

9 inch	..	..	..	..	..	..	..	each \$0 70
12 "	..	..	..	..	..	..	..	" 85

No. 757—Boxwood Plumb and Level, Square Brass-Plated Ends, Warranted Correct.

12 inch	..	..	..	..	..	..	..	each \$0 85
18 "	..	..	..	..	..	..	..	" 1 25
24 "	..	..	..	..	..	..	..	" 1 50

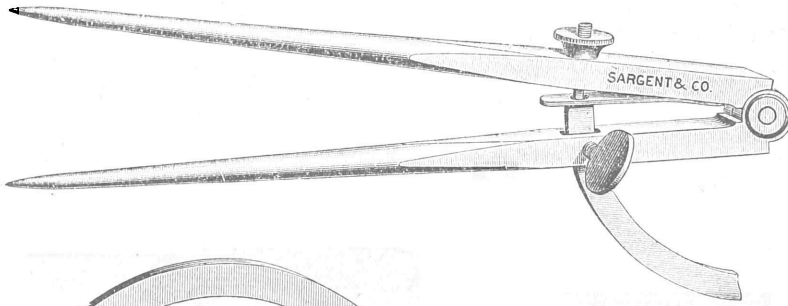
STANLEY ODD-JOBS**TEN TOOLS IN ONE**

A Mechanic who has this Tool to use on his Rule can do all ordinary Jobs with only a Saw, a Hammer, and a Plane in addition.

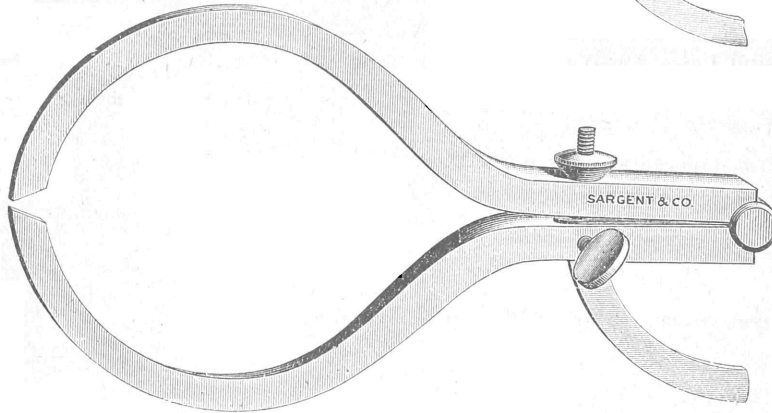
The Tool is now sent out with a 12-inch Graduated Ruler inserted in it; and near one end of the Ruler is an Adjustable Steel Point. This addition greatly facilitates the use of this unique Tool, already favorably known to Mechanics, Amateurs, and Housekeepers.

No. 1—Odd-Jobs, Nickel-Plated, with Rule Price each \$0 85

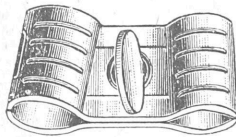
QUALITY IS THE SAFEST ECONOMY

**Cast Steel Dividers****No. 50**

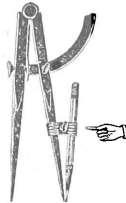
Size ..6	7	8	9	10 inches
Each 20	23	25	30	35 cents

**Cast Steel Callipers****No. 60**

Size 6	8	10	12 inches
Each 30	40	50	60 cents



FULL SIZE



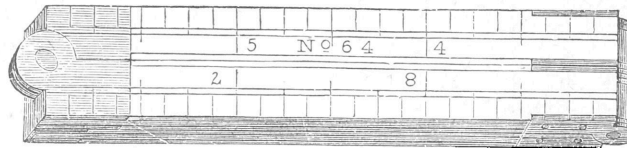
IN USE

Stanley's Patent Pencil Clasp**No. 8**

Nickel-Plated	..	..	..	..	..	each \$0 15
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Boxwood Rules

One Foot, Four Fold,
Narrow.

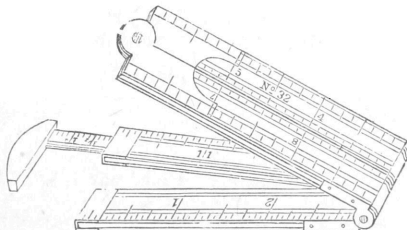


Full Size Cut of No. 64.
Square Joint, Edge
Plates.

No. 69 —Round Joint, Middle Plates, 8ths and 16ths..	..	..	..	..	1/2 inch wide, each \$0 10
“ 65 —Square “ “ “ “ “ “ “ “ “ “	..	..	..	..	“ “ “ 11
“ 56 —Arch “ “ Edge “ “ “ “ “ “ “ “	..	..	..	..	“ “ “ 18
“ 57 “ “ Full Bound, “ “ “ “ “ “ “ “	..	..	..	..	“ “ “ 32

Boxwood Calliper Rules, Six Inches

No. 36 —Square Joint, Two Fold, 8ths, 10ths, 12ths, 16ths, 1/2 inch wide	..	..	..	..	each \$0 24
“ 13 —Square Joint, Two Fold, 8ths, 16th, 1 1/8 in wide, “	..	..	..	..	30
“ 13 1/2 “ “ “ “ “ 1 1/2 “ “	..	..	..	..	35

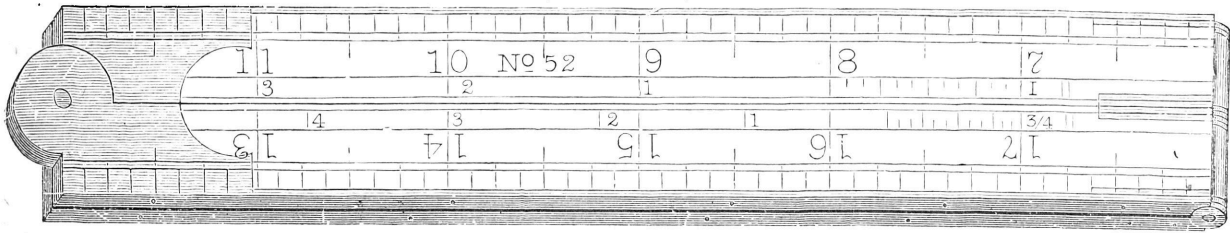
Calliper, One Foot, Four Fold

No. 32 —Arch Joint, Edge Plates, 8ths, 10ths, 12ths, 16ths, 1 inch wide	..	..	..	..	each \$0 36
“ 32 1/2 —Arch Joint, Full Bound, 8ths, 10ths, 12ths, 16ths, 1 inch wide	..	..	..	..	“ “ 52
“ 3 —Square Joint, Full Bound, 8ths, 16ths, 1 1/8 in. wide “	..	..	..	..	63
“ 36 1/2 “ “ Two Fold, 12 inch, 8ths, 10ths, 12ths, 16ths, 1 3/8 inch wide ..	..	..	..	..	35

OUR RULE IS FAIR DEALINGS.

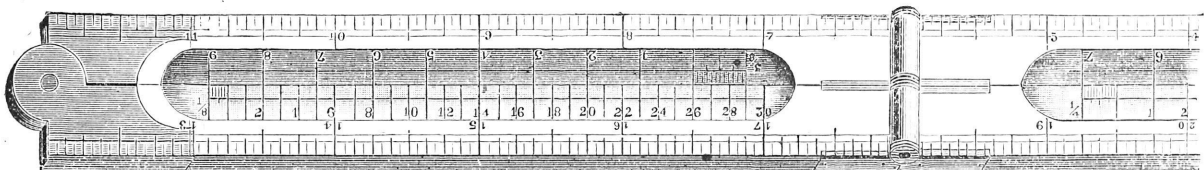
Boxwood Rules

Two Feet, Four Fold, Narrow.

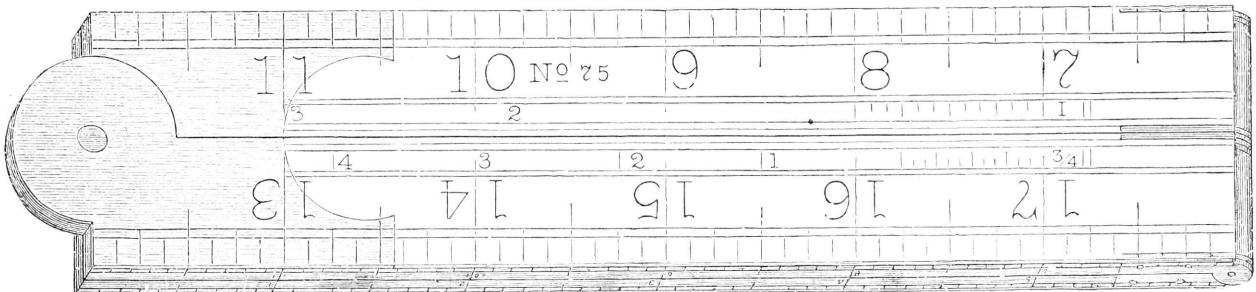


Full Size Cut of No. 52, Arch Joint, Half Bound.

No. 68 —Round Joint, Middle Plates, 8ths and 16ths of inches	...	..	1 inch wide, each	\$0 13
" 61 —Square " " " " " "	..	..	1 " " "	16
" 51 —Arch " " " 8ths, 10ths, 12th and 16ths, Drafting Scales,	1	"	" " "	18
" 63 —Square " Edge " " " " "	1	"	" " "	21
" 53 —Arch " " " " " " "	1	"	" " "	24
" 59 —Double Arch Joint, Bitted " " " " " "	1	"	" " "	28
" 84 —Square Joint, Half Bound " " " " " "	1	"	" " "	35
" 52 —Arch " " " " " " "	1	"	" " "	38
" 62 —Square " Full " " " " "	1	"	" " "	42
" 54 —Arch " " " " " " "	1	"	" " "	45
" 60 —Double Arch Joint, Full Bound " " " " " "	1	"	" " "	55

Architects' Rules, with Bevel Edges, No. 53 $\frac{1}{2}$ 

No. 53 $\frac{1}{2}$ —Arch Joint, Edge Plates, 8ths, 10ths, 12ths and 16ths, with inside beveled edges and Architects' Drafting Scales, 1 inch wide each \$0 42

Two Feet, Four Fold, Broad

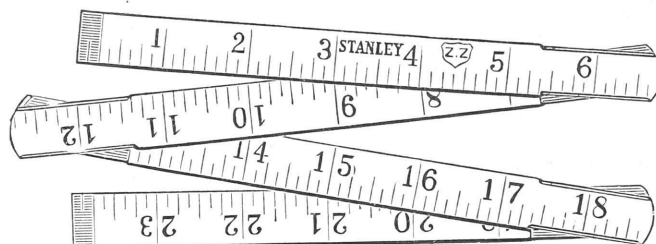
Full Size Cut of No. 75, Arch Joint, Edge Plates.

No. 7 —Blindman's Rule, Square Joint, Two Feet, Four Fold, 8ths and 16ths, $\frac{1}{16}$ inch wide ..	each	\$0 55
" 72 —Square Joint, Edge Plates, 8ths, 10ths, 16ths, Drafting Scales	.. 1 $\frac{1}{2}$	" " 26
" 75 —Square " " " " " "	.. 1 $\frac{1}{2}$	" " 32
" 77 —Double Arch Joint, Bitted, " " " " "	.. 1 $\frac{1}{2}$	" " 35
" 76 —Arch Joint, Full Bound " " " " "	.. 1 $\frac{1}{2}$	" " 52
" 78$\frac{1}{2}$ —Double Arch Joint, Full Bound " " " " "	.. 1 $\frac{1}{2}$	" " 63
" 81 —Arch Joint, Edge Plates, 12ths and 16ths of inches	.. 1 $\frac{1}{2}$	" " 42

Three Feet, Four Fold Rules

No. 66$\frac{1}{2}$ —Arch Joint, Middle Plates, 8ths and 16ths of inches	..	..	1 inch wide ..	each \$0 31
" 66$\frac{1}{2}$ —Brass Bound, 8ths and 16ths of inches	..	..	1 " ..	80

These Rules are made of flexible hardwood, with plated steel joints and tips, each joint containing a stiff spring which holds rigid when open.

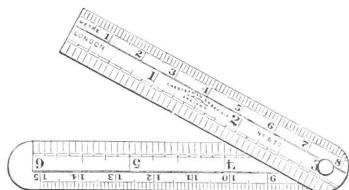


No	02	03	04	05	06	08
Length	2	3	4	5	6	8 feet.
Each	20	25	35	45	50	70 cents.

No. 58 —2 feet Jointed, $\frac{3}{4}$ inch wide, one stop joint and brass ends, etched on both sides	each	\$0 40
“ 231 —2 “ “ $\frac{3}{4}$ “ “ “ G.S. “ machine divided	“	60
“ 461 —Starrett—2 feet, Jointed, $\frac{3}{4}$ inch wide, one stop joint, 8ths of an inch on one side, and 16ths on the other.....	“	50

“	500	—2 feet, $\frac{3}{4}$ inch wide, one joint, 8ths and 16ths inches.....	each \$0 30
“	501	—2 “ $\frac{3}{4}$ “ one stop joint, 8ths and 16ths inches	“ 45
“	462	—2 “ $\frac{3}{4}$ “ “ “ “ “ Starrett	“ 40

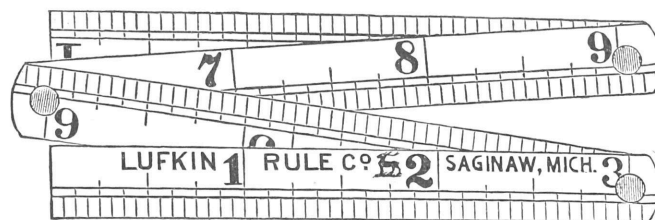
No.	Description	Size	4	6	9	12 inch.
300 D	Marked 8ths, 16ths, 32nds and 64ths.....	each	\$0 25	0 30	..	0 45
327 D	“ 16, 32, 64, 10, 20, 50, 100, 12, 24, 48, 96ths	“	45	50	..	70
312 D	“ 8ths and 16ths	“	20	25	..	40
322 D	“ 16, 32, 64, 10, 20, 50, 100ths, also Whitworth's pitch	“	..	..	..	75
354 D	Flexible Steel Rule, marked $\frac{1}{8}$ and $\frac{1}{32}$	“	32	35	55	70



No. 631—	6 inch,	marked 16ths, 32nds and 64ths.....	each \$0 35
" 835—12 "	" " "	" 3 fold	" 40

PRICES THAT ARE SATISFACTORY, QUALITY THAT IS RIGHT, IS THE SECRET OF OUR
SUCCESS.

Folding Steel Pocket Rules



No. 31, 1 foot, Full Size.

No. 31 —1 foot, 3 inch joints, 4 fold	...	...	...	...	...	...	...	...	each	\$0 25
" 41 —1 " 4 " 3 " in leather case	...	...	...	...	...	...	...	...	"	30
" 42 —1 " Surveyor's Pocket Rules, marked in inches and 16ths on one side, feet, 10ths and 100ths of feet on other side, 4 inch joints, 3 fold, in leather case	...	...	...	...	...	...	...	...	"	40

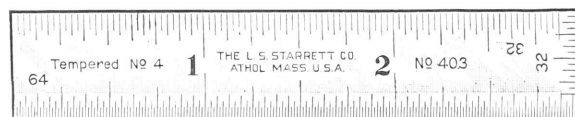
Spring-Tempered Rules

Thickness $\frac{3}{64}$ inch or No. 18 Gauge.

No. 303 —Widths	..	..	..	..	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{2}$ inch
Lengths	..	..	..	..	1	2	3	4	6	9	12	18 "
Price	..	..	..	..	15	25	35	45	65	1.00	1.25	2.00 each

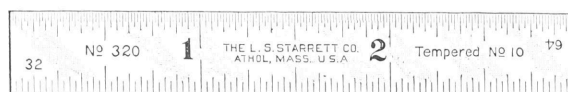
Spring-Tempered Rules

WITH ONE BEVELED EDGE AND GRADUATED END.



No. 404—Rule same Widths, Thicknesses, and Prices as No. 303 Rule.

Flexible Rules



No. 320—Flexible, No. 10 Graduation (32ds and 64ths).

Length	..	1	2	3	4	6	9	12	18 inch
Price	..	15	25	35	45	65	1.00	1.25	2.00 each

Narrow Rules



$\frac{3}{16}$ inch wide, No. 18 gauge, spring-tempered, graduated one corner each side whole length, either in 32ds and 64ths, 50ths and 100ths, or 64ths and 100ths.

Lengths	..	..	..	..	4	6	9	12 inches
Price	..	..	..	..	45	65	1.00	1.25 each

No. 330—Narrow, No. 10 Graduation (32ds and 64ths).

WE HAVE A FULL LINE OF STARRETT'S MACHINISTS' TOOLS.

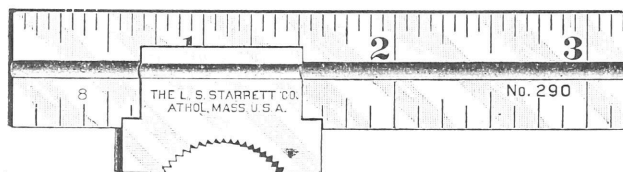
Narrow Hook Rules



These Rules are designed for use in taking measurements through small holes where our regular rules cannot be used. They can also be used for setting inside calipers, etc. Measurements through holes as small as $\frac{3}{8}$ inch can be obtained. The rules are graduated one side in 32nds and the other in 64ths of an inch.

No. 422 —Lengths	4 in.	6 in.	9 in.	12 in.
Prices..... each	\$0 70	0 90	1 25	1 50

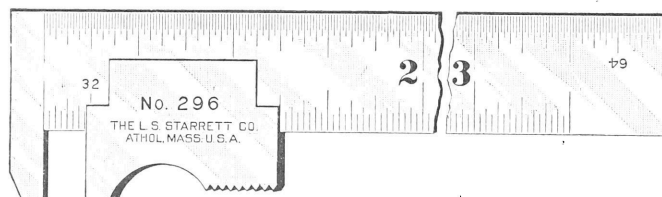
Rules with Thumb Slide



These are our regular spring tempered Rules fitted with a thumb slide. They are useful in measuring against a shoulder, the width of flanges, collars, etc. The slide may be used on either edge of the rule, or removed and the rule used alone. The rules are 6 inches long, about $\frac{3}{4}$ inch wide, and $\frac{3}{16}$ inch thick.

No. 290 —6 inch, No. 4 graduation. Price.. ..	each \$1 00
--	-------------

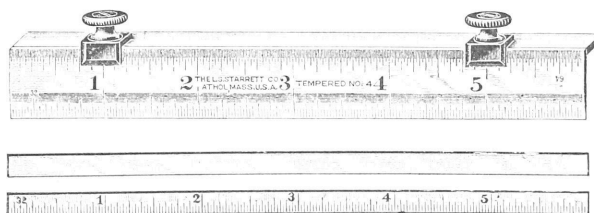
Slide Caliper Rules



These Rules are of the same dimensions as our 4 inch, No. 11, square blades, with the addition of a jaw on the end. The graduations are No. 4, with the 32nds and 64ths on the front, as shown, and the 8ths and 16ths on the back. The thumb piece slides in a groove on the reverse side, as in No. 290 shown above. The jaws are $\frac{1}{2}$ inch deep. These tools are most convenient for measuring small rods, tubing, etc., and in many cases will be found a substitute for a more expensive Caliper Square.

No. 296	Price, each \$1 25
------------------------	--------------------

Patent Key Seat Rule

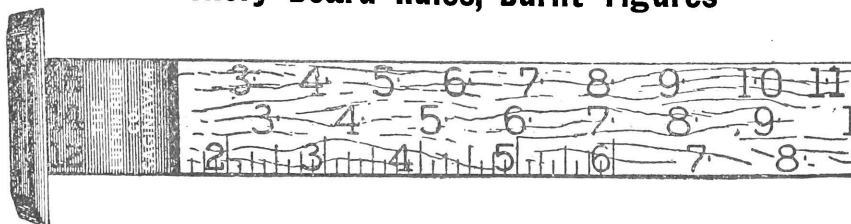


The improved feature in this Rule consists of a device for holding two straight edges in the form of a box square (or key-seat rule) securely together. One of said straight edges is a spring-tempered scale, with one edge bevelled, graduated in 8ths, 16ths, 32nds, 64ths, the other a plain straight edge with two or three clamps (according to its length), which are operated by knurled eccentrics clamping corner and edge of straight

edge and scale together; thus, not only allowing the scale to be used as such independently from the other part, but being in two straight pieces it admits of being made from spring-tempered stock and accurately ground, also of inserting, in place of the regular width rule, a narrow auxiliary one, adapting it for use on very small shafts, etc. This narrow auxiliary straight edge is either plain or graduated in 32nds and 64ths, and sent when ordered. Sent without the auxiliary straight edges unless otherwise ordered.

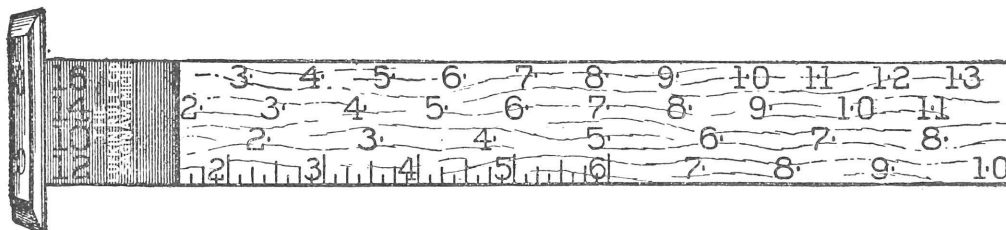
No. 105 —6 inch	Price, each \$2 25
--------------------------------	--------------------

FOR A FULL LINE OF MACHINISTS' TOOLS, WRITE FOR A SPECIAL CATALOGUE.

Hickory Board Rules, Burnt Figures

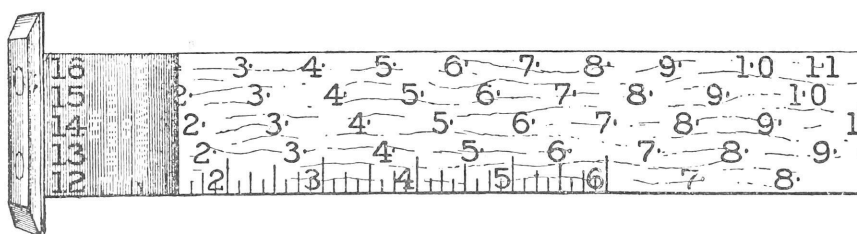
Style of Nos. 1 and 3.

- No. 1**—3-Tier, 3½ foot Inspector's Board Rule, marked on one side to measure 10, 11 and 13 feet; on the other side to measure 12, 14 and 16 feet each \$1 35
- “ **3** “ 3 foot Standard Board Rule, marked 8, 10, 18 and 12, 14, 16 feet 1 15
- “ **6** “ “ Extra Heavy Brazed Head, with Brass Plate, marked 18, 20, 22 and 12, 14, 16 feet 1 35



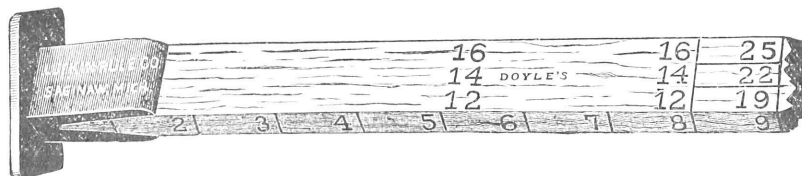
Style of No. 8.

- No. 8**—4-Tier, 3 foot Board Rule, marked on one side to measure 12, 10, 14 and 16 feet; and on the other side to measure 9, 11, 13 and 15 feet each \$1 25



No. 10 Board Rule.

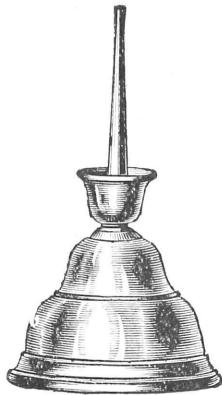
- No. 10**—5-Tier, 3 foot Board Rule, marked on one side to measure 7, 8, 9, 10 and 11 feet; and on the other side to measure 12, 13, 14, 15 and 16 feet each \$1 50

Hickory Log Rules

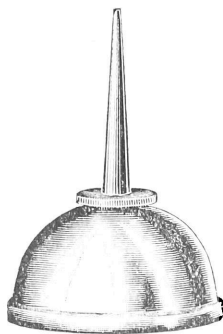
- No. 15**—Square Head Log Rule, 3½ feet long, including Handle, Doyle or Scribner Scales each \$1 15

Spring Steel Board Rules

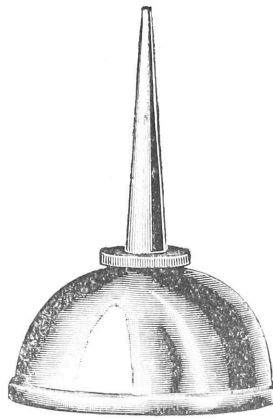
- No. 58**—4-Tier, 3 foot, Nickel-Plated and Lacquered, marked each \$3 00

**Paragon Zinc Oilers**

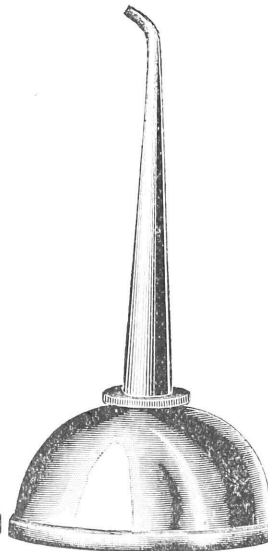
Nos.	..	..	40	41	41½	42	43	44	45	46
Diameter	..	..	2¼	2½	2¾	3	3½	4	4½	4½ inches
Each	.	..	12	14	16	19	20	24	32	35 cents

Copperized Steel Anti-Rust Oilers

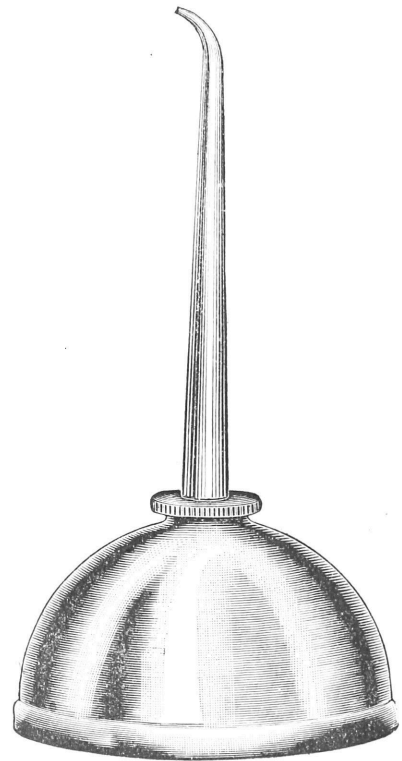
No. 12



No. 13



No. 14



No. 16

Number	..	12	13	13A	14	14A	14AA	14B	15	15A	16
Capacity	..	¼	¾	¾	¾	½	½	½	1	1	1 Pint
Diameter	..	2¼	3¾	3¾	3¾	3¾	3¾	3¾	4½	4½	4½ inches
Style of spout,		Straight	Straight	Straight	Bent	Straight	Straight	Bent	Straight	Straight	Bent
Length	"	2½	3	5	9	3	5	9	3	5	9 inches
Price, each		21	27	29	31	34	38	40	43	45	55 cents

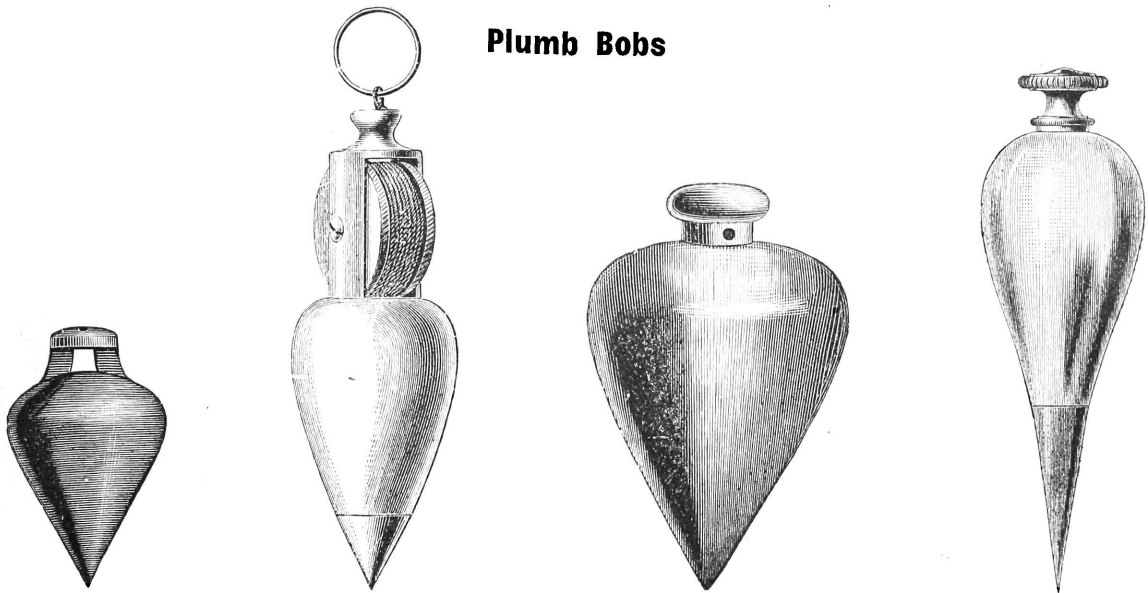
Engineers' Fillers

Copperized Steel

No. 19	—1 pint, 4½ in. diameter, 3½ in. high	..	..	..	..	..	..	..	each	\$0 75
" 19A	—1½ " 4¾ " 4 " "	..	..	..	..	..	..	..	"	1 00
" 210	—1 quart, 5 " 5 " "	..	..	..	..	..	..	..	"	1 20
" 211	—2 " 6 " 6 " "	..	..	..	..	..	..	..	"	1 40

ORDER BY CATALOGUE NUMBER. DO NOT CUT ILLUSTRATIONS OUT OF THIS CATALOGUE

Plumb Bobs



Half Size Cut No. 2.

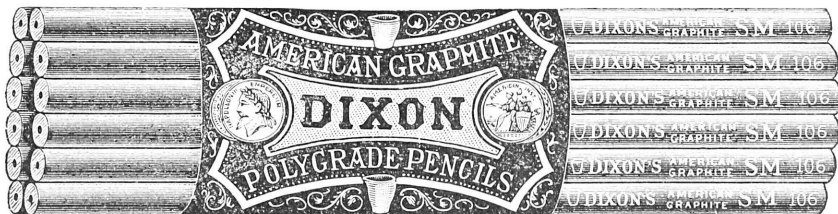
Reduced Cut No. 1.

Full Size Cut No. 00.

No. 1760.

No. 2—	Weight 9½ oz., Japanned, Adjusted Top	each	\$0 10
" 00—	1 lb. 2 oz., Japanned, Adjusted Top	"	17
" 1—	9 oz., Bronze Metal, Steel Point, Adjustable, complete with line and reel	"	1 45
" 1760—	8 oz., Brass, Steel Pointed, Screw Top	"	90
" 1760—	12 oz.,	"	1 00
Lead, weight 3 lbs.			25

Dixon's American Graphite Pencils



No. D—	Round, Plain Cedar	per doz.	\$0 10
" 152—	Soft Medium, satin finish	"	45
" 152½—	Medium Black	"	45
" 153—	Medium	"	45
" 153½—	Hard	"	45
" 268—	Polished Cedar, inserted rubber plug	"	15
" 556—	Soft Medium, Natural Cedar Finish, inserted rubber tablet	"	60
" 557—		"	60

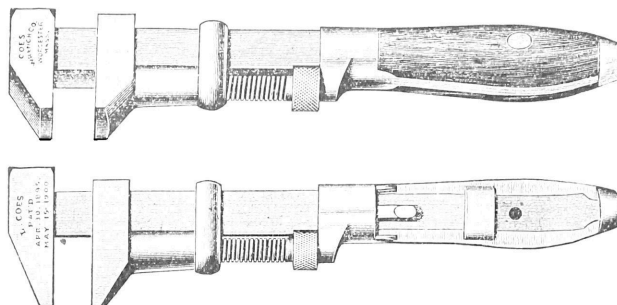


No. 235—	7 inch, Oval Shape, White Wood	per dozen	\$0 20
" 410—	7 " " Polished Cedar	"	25
" 412—	12 " " " "	"	40

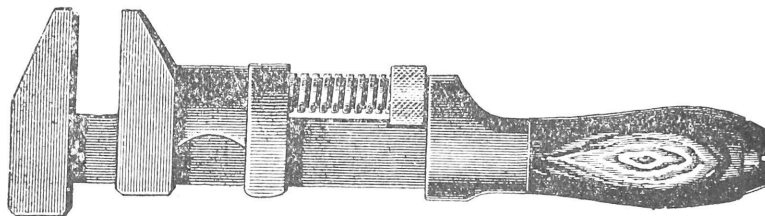


No. 361—	Black, 4¾ inches long, ½ inch diameter, Japanned finish	per dozen	\$0 80
" 520—	Red, 4¾ " " ½ " " Paper covered	"	1 00
" 521—	Blue, 4¾ " " ½ " " " "	"	1 00

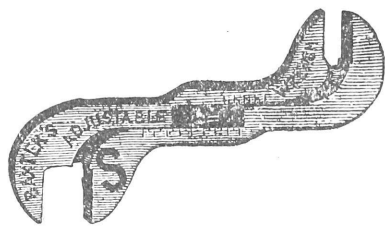
WE CARRY A LARGE STOCK OF BUILDERS' HARDWARE.

Coes Wrench Co.'s Genuine Wrenches**Improved Knife Handle, Reinforced Bar**

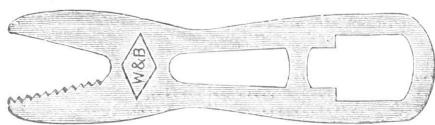
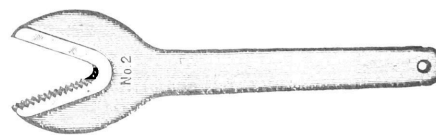
Length	6	8	10	12	15	18 inches.
Will open.. .. .	$\frac{3}{8}$	$1\frac{1}{4}$	$1\frac{3}{4}$	$2\frac{1}{2}$	$2\frac{5}{8}$	3 "
Black, each	\$0 60	0 70	0 80	0 95	1 65	2 00

Agricultural Wrenches

Length	6	8	10	12	15 inches.
Each	\$0 30	0 35	0 45	0 50	0 90

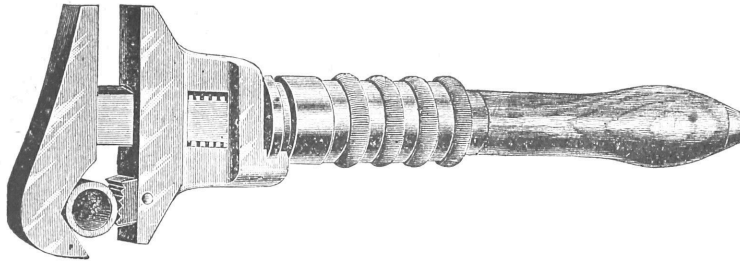
Baxter's Wrench

Length.....	4	6	8	10 inches
Each	\$0 35	0 50	0 65	1 00

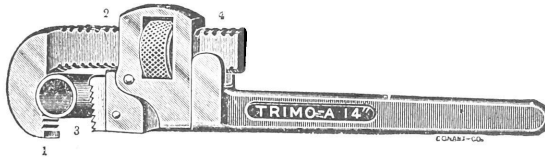
Alligator or "Bull-Dog" Wrenches**No. 1****No. 2**

No. 0 —4 inch, holds pipe $\frac{1}{8}$ to $\frac{1}{4}$ inch	each	\$0 15
" 1 —5 $\frac{3}{4}$ " " $\frac{1}{4}$ to $\frac{3}{8}$ "	"	20
" 1 $\frac{1}{2}$ —5 $\frac{3}{4}$ " " $\frac{3}{8}$ to $\frac{1}{2}$ "	"	25
" 2 —9 " " $\frac{1}{2}$ to $\frac{3}{4}$ "	"	50
" 3 —16 " " $\frac{3}{4}$ to 1 $\frac{1}{4}$ "	"	1 00
" 4 —22 " " 1 $\frac{1}{4}$ to 2 "	"	1 50

Beamis & Call's Combination Wrench

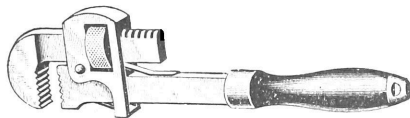


A combined Nut and Pipe Wrench
 Length .. 10 12 15 18 inches
 Holds pipe $\frac{1}{4}$ to 1 $\frac{1}{2}$ to 1 $\frac{3}{4}$ $\frac{1}{2}$ to 2 $\frac{1}{4}$ $\frac{1}{2}$ to 3 "
 Each .. \$1.60 1.80 2.50 4.50



Trimo Pipe Wrench

Length, open 8 10 14 18 24 inches
 Holds pipe .. $\frac{1}{4}$ to $\frac{3}{4}$ $\frac{1}{2}$ to 1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ $\frac{1}{4}$ to 2 $\frac{1}{4}$ to 2 $\frac{1}{2}$ "
 Price, each .. \$0.95 1.10 1.45 1.90 3.25
 Jaws " .. 35 40 55 70 1.30



Stillson Pipe Wrench

Length, open .. 8 10 14 18 24 inches
 Holds pipe .. $\frac{1}{4}$ to $\frac{3}{4}$ $\frac{1}{2}$ to 1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ $\frac{1}{4}$ to 2 $\frac{1}{4}$ to 2 $\frac{1}{2}$ "
 Price, each .. \$0.95 1.10 1.45 1.90 3.25
 Jaws " .. 35 40 50 65 1.25



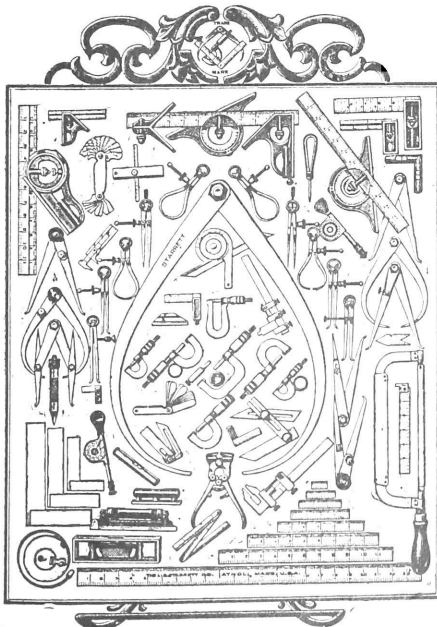
Westcott Adjustable Wrench

Length .. 6 8 10 12 14 inches
 Opens to .. $\frac{3}{4}$ 1 1 $\frac{1}{2}$ 1 $\frac{3}{4}$ 2 "
 Price, each .. \$0.60 0.75 1.00 1.25 1.75



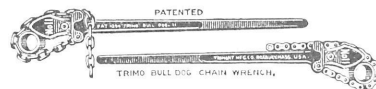
Westcott Adjustable Pipe Wrench

Length .. 6 8 10 12 14 inches
 Holds pipe .. $\frac{1}{4}$ to $\frac{3}{4}$ $\frac{1}{2}$ to $\frac{3}{4}$ $\frac{1}{4}$ to 1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ $\frac{1}{2}$ to 1 $\frac{1}{2}$ "
 Price, each .. \$1.00 1.25 1.50 2.00 2.50



WRITE FOR SPECIAL CATALOGUE

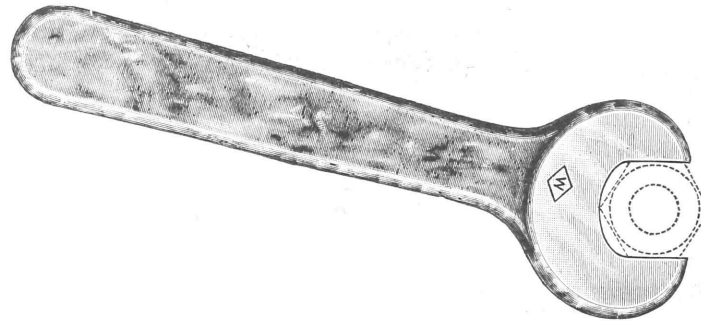
Trimo Bull Dog Wrench



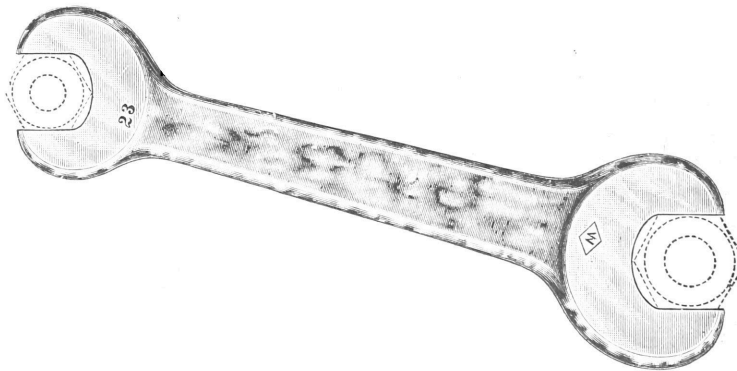
Nos. .. 10 11 12 "
 Holds pipe .. $\frac{1}{4}$ to $\frac{3}{4}$ $\frac{1}{4}$ to 1 $\frac{1}{2}$ $\frac{1}{4}$ to 2 $\frac{1}{2}$ inches
 Length .. 13 $\frac{3}{4}$ 20 27 "
 Price, each .. \$1.90 2.75 3.80

... THE ...
L. S. STARRETT COMPANY
 = Fine =
Mechanical Tools

TO PARTIES UNKNOWN TO US, CASH MUST ACCOMPANY ORDER

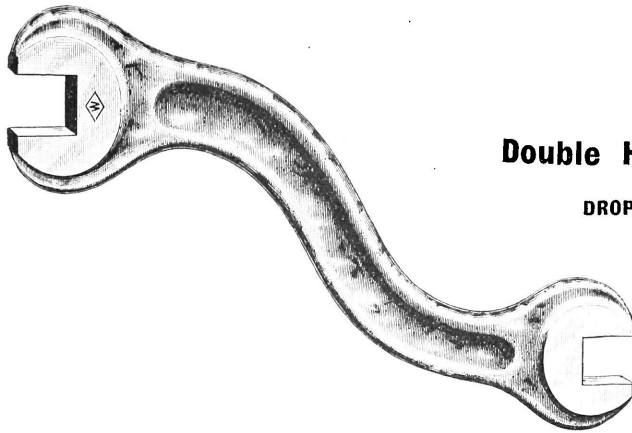
Engineers' Wrenches**DROP-FORCED STEEL SINGLE HEAD**

No.								For Nuts inch	Openings Milled inch	Extreme Length inch	Price Unfinished each
1	..	..	..	..	..	..	..	$\frac{1}{4}$	$\frac{1}{2}$	$3\frac{3}{4}$	\$0 10
2	..	..	..	..	..	..	..	$\frac{5}{16}$	$\frac{13}{32}$	$4\frac{3}{4}$	12
3	..	..	..	..	..	..	..	$\frac{3}{8}$	$\frac{11}{16}$	$5\frac{5}{8}$	13
4	..	..	..	..	..	..	..	$\frac{7}{16}$	$\frac{3}{4}$	$6\frac{1}{2}$	18
5	..	..	..	..	..	..	..	$\frac{1}{2}$	$\frac{7}{8}$	$7\frac{1}{2}$	20
8	..	..	..	..	..	..	..	$\frac{3}{4}$	$1\frac{1}{4}$	$11\frac{1}{8}$	35
9	..	..	..	..	..	..	..	$\frac{7}{8}$	$1\frac{7}{8}$	13	45
10	..	..	..	..	..	..	..	1	1 $\frac{1}{2}$	$14\frac{3}{4}$	55
11	..	..	..	..	..	..	..	$1\frac{1}{8}$	$1\frac{13}{16}$	$16\frac{1}{2}$	70
12	..	..	..	..	..	..	..	$1\frac{1}{4}$	2	$18\frac{1}{2}$	95
13	..	..	..	..	..	..	..	$1\frac{3}{8}$	$2\frac{1}{8}$	20	1 15
14	..	..	..	..	..	..	..	$1\frac{1}{2}$	$2\frac{3}{8}$	22	1 50

DROP-FORCED STEEL DOUBLE HEAD

No.								For Nuts inch	Opening Milled inch	Extreme Length inch	Price Unfinished each
21	..	..	..	..	..	..	..	$\frac{1}{2}$ and $\frac{5}{16}$	$\frac{5}{16}$ and $\frac{3}{8}$	$3\frac{1}{4}$	\$0 12
25	..	..	..	..	..	..	..	$\frac{1}{4}$ " $\frac{5}{16}$	$\frac{1}{2}$ " $\frac{3}{8}$	$4\frac{7}{8}$	18
26	..	..	..	..	..	..	..	$\frac{1}{4}$ " $\frac{23}{32}$	$\frac{1}{2}$ " $\frac{11}{16}$	$5\frac{1}{2}$	20
30	..	..	..	..	..	..	..	$\frac{3}{8}$ " $\frac{1}{2}$	$\frac{11}{16}$ " $\frac{7}{8}$	$7\frac{3}{4}$	28
34	..	..	..	..	..	..	..	$\frac{1}{2}$ " $\frac{23}{32}$	$\frac{3}{4}$ " $1\frac{1}{16}$	$9\frac{3}{4}$	40
37	..	..	..	..	..	..	..	$\frac{23}{32}$ " $\frac{3}{4}$	$1\frac{1}{16}$ " $1\frac{1}{4}$	$11\frac{1}{2}$	55
39	..	..	..	..	..	..	..	$\frac{3}{4}$ " $\frac{23}{32}$	$1\frac{1}{4}$ " $1\frac{7}{16}$	$13\frac{1}{2}$	65
43	..	..	..	..	..	..	..	1 " $1\frac{1}{2}$	$1\frac{5}{8}$ " $1\frac{13}{16}$	17	1 10
48	..	..	..	..	..	..	..	$1\frac{1}{4}$ " $1\frac{1}{2}$	2 " $2\frac{3}{8}$	23	2 10

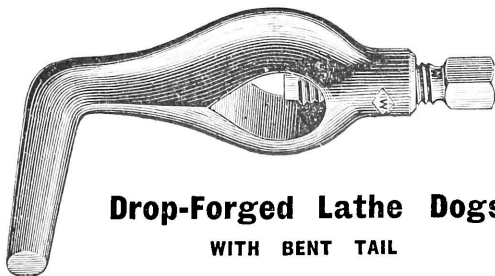
WE HAVE A SEPARATE CATALOGUE OF MACHINISTS' TOOLS



Double Head S Wrenches

DROP-FORGED STEEL

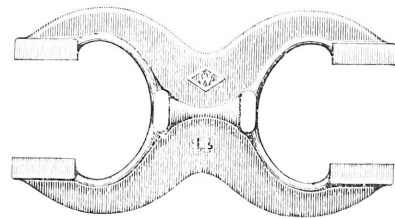
No						For Set Screws	For Square Head Cap Screws	Openings Milled	Extreme Length	Price Semi- Finished
235 A	..	..	..	..	..	$\frac{1}{4}$ and $\frac{5}{16}$	.....	$\frac{1}{4}$ and $\frac{5}{16}$	$3\frac{3}{8}$	\$0 15
B	..	..	..	..	..	$\frac{1}{4}$ "	.....	$\frac{1}{4}$ "	"	15
D	..	..	..	..	..	$\frac{1}{8}$ "	.....	$\frac{1}{8}$ "	"	15
240 A	..	..	..	..	..	$\frac{5}{16}$ "	.....	$\frac{5}{16}$ "	"	18
C	..	..	..	..	..	$\frac{3}{8}$ "	$\frac{1}{4}$ and $\frac{5}{16}$	$\frac{3}{8}$ "	"	20
246 A	..	..	..	..	..	$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{1}{4}$ "	$5\frac{1}{8}$	25
C	..	..	..	..	..	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	"	25
251 A	..	..	..	..	..	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{1}{2}$ "	$6\frac{1}{2}$	30
B	..	..	..	..	..	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{1}{2}$ "	"	30
255 B	..	..	..	..	..	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	$7\frac{1}{4}$	40
I	..	..	..	..	..	.....	$\frac{1}{2}$ "	$\frac{1}{2}$ "	"	40
263 A	..	..	..	..	..	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{5}{8}$ "	8	45
H	..	..	..	..	..	$\frac{3}{4}$ "	$\frac{7}{8}$ "	$\frac{3}{4}$ "	"	45
274 F	..	..	..	..	..	$\frac{7}{8}$ "	1	$\frac{7}{8}$ "	10	55



Drop-Forged Lathe Dogs

WITH BENT TAIL

No.		Size Dog	Diam.	Length	Price Dogs, each
1	..	$\frac{3}{8}$ inch	$\frac{1}{8}$	$1\frac{1}{8}$	\$0 40
2	..	$\frac{1}{2}$ "	$\frac{1}{4}$	$1\frac{1}{2}$	50
3	..	$\frac{3}{4}$ "	$\frac{3}{8}$	$1\frac{3}{4}$	60
4	..	1 "	$\frac{1}{2}$	2	70
5	..	$1\frac{1}{4}$ "	$\frac{3}{4}$	$2\frac{1}{4}$	85
6	..	$1\frac{1}{2}$ "	$\frac{7}{8}$	$2\frac{3}{4}$	1 00
7	..	$1\frac{3}{4}$ "	1	$2\frac{1}{2}$	1 20
8	..	2 "	$1\frac{1}{8}$	$2\frac{3}{4}$	1 40
9	..	$2\frac{1}{2}$ "	$1\frac{1}{4}$	3	1 70
10	..	3 "	$1\frac{3}{8}$	$3\frac{1}{4}$	2 10
11	..	$3\frac{1}{2}$ "	$1\frac{5}{8}$	$3\frac{1}{2}$	2 60
12	..	4 "	$1\frac{3}{4}$	$3\frac{3}{4}$	3 30
13	..	5 "	1	$4\frac{1}{2}$	6 00



External Calliper Gauges

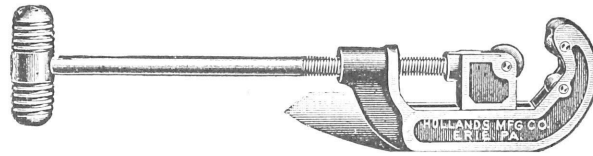
DOUBLE END

These are drop-forged from mild steel suitable for case-hardening.

UNFINISHED ONLY.

No.		Capacity	Price, each
4.	..	$\frac{3}{8}$ to $\frac{1}{2}$	\$0 33
6..	..	$\frac{1}{2}$ " $\frac{3}{4}$	38
8..	..	$\frac{3}{4}$ " 1	45
10..	..	1 " $1\frac{1}{4}$	55
12..	..	$1\frac{1}{2}$ " $1\frac{1}{2}$	75
14..	..	$1\frac{1}{2}$ " $1\frac{3}{4}$	1 00
16..	..	$1\frac{3}{4}$ " 2	1 30

Keystone Roller Pipe Cutter

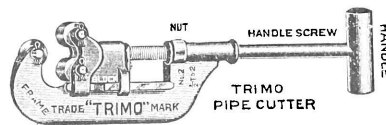


Nos.	...	...	...	...	...	O 1	O 2	O 3
Cuts pipe	...	...	...	...	...	$\frac{1}{8}$ to $1\frac{1}{4}$	$\frac{3}{8}$ to 2	1 to $3\frac{1}{2}$ inch
Price	...	...	...	...	...	\$1 30	1 90	5 85 each
Extra Cutters	...	...	...	...	...	15	18	20 "
" Rollers	...	...	...	...	...	18	20	25 "

Keystone Three-Wheel Pipe Cutter

Nos.	...	...	...	...	...	X 1	X 2	X 3
Cuts pipe	...	...	...	...	...	$\frac{1}{8}$ to $1\frac{1}{4}$	$\frac{3}{8}$ to 2	1 to $3\frac{1}{2}$ inch
Price	...	...	...	...	...	\$1 50	2 00	4 30 each
Extra Cutters	...	...	...	...	...	15	18	20 "

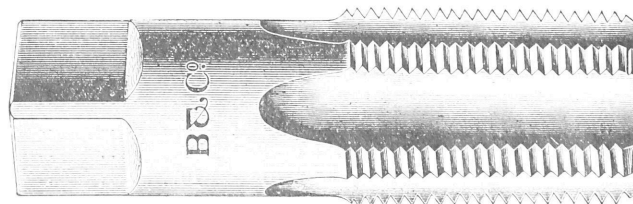
Trimo Pipe Cutter



Nos.	...	...	...	...	...	1	2	3
Cuts pipe	...	...	...	...	...	$\frac{1}{8}$ to $1\frac{1}{4}$	$\frac{1}{2}$ to 2	$1\frac{1}{4}$ to 3 inch
Price	...	...	...	...	...	\$2 25	3 00	5 00 each
Extra Cutters	...	...	...	...	...	20	25	30 "
" Rollers	...	...	...	...	...	25	30	35 "

Butterfield & Co.'s Pipe Taps

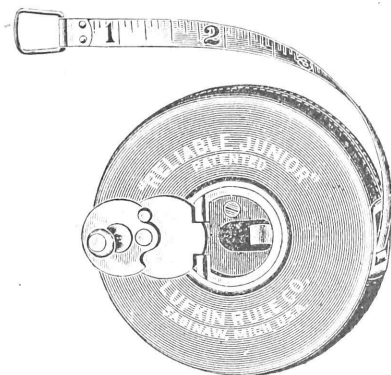
WITH RIGHT OR LEFT HAND THREAD



Size	...	...	...	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2 inch
Price	...	...	...	\$0 28	0 30	0 35	0 45	0 55	0 70	0 85	1 05	1 60 each

FIRE POTS AND TORCHES (CLAYTON & LAMBERT) GUARANTEED

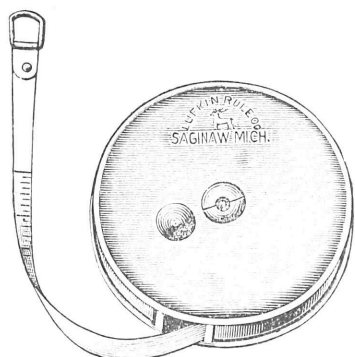
“Reliable Junior” Steel Measuring Tape



With double folding flush handle, opened by pressing small pin or button on opposite side. Hard leather cases, nickel-plated trimmings, with $\frac{1}{4}$ inch tapes.

No. 100—25 feet, marked feet and 12th inches	each	\$3 50
“ 103—50 “ “ “ “	“	4 50

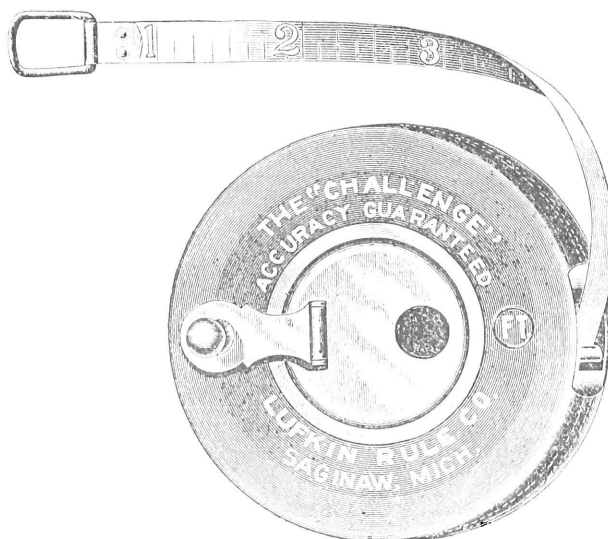
Pocket Steel Tapes



Nickel-plated cases, spring wind, with center stop.

No. 143—36 inches, $\frac{1}{4}$ inch tape, marked inches and 16ths	each \$0 50
“ 145—60 “ “ “ “ “	“ (60
“ 146—72 “ “ “ “ “	“ 70
“ 148—96 “ “ “ “ “	“ 1 00

“Challenge” Steel Measuring Tapes



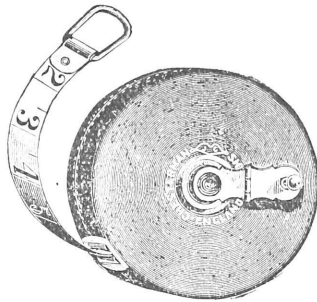
Hard Leather Case, Nickel-plated Trimmings, Flush Handle, $\frac{3}{8}$ inch Tape.

Marked on one side in twelfths.

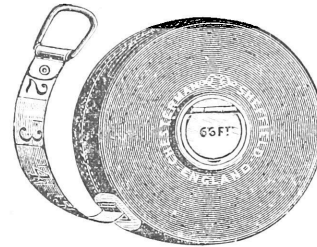
No. 260—25 feet, diameter of case $2\frac{3}{4}$ inches	each	\$3 00
“ 263—50 “ “ “ $3\frac{1}{4}$ “	“	4 00
“ 265—75 “ “ “ $4\frac{1}{4}$ “	“	5 50

TO PARTIES UNKNOWN TO US CASH MUST ACCOMPANY ORDER.

Chesterman's Measuring Tapes



$\frac{1}{4}$ Size



In Leather Cases with Patent Metallic Tapes

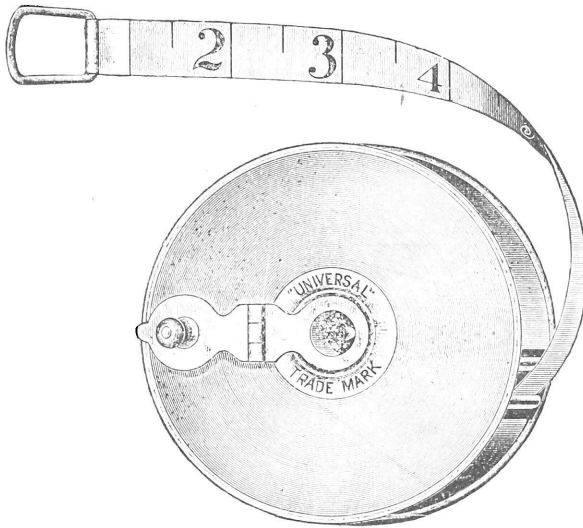
Tapes $\frac{1}{8}$ inch wide, marked feet and inches on one side, links and Poles on the other.

	Length	..	..	..	..	33	50	66	100 feet
No. 1820 —With Brass Folding Handles	..	..	..	..	each	\$1 45	1 75	2 10	2 90
“ 1821 —“ Flush “	..	..	..	..	“	1 70	2 00	2 40	3 25
“ 1860 —Tapes only, without case	..	..	..	..	“	75	1 05	1 30	2 00

With Linen Tapes.

Tapes $\frac{1}{8}$ inch wide, marked feet and inches on one side, links and poles on the other.

	Length	..	..	..	..	33	50	66	100 feet
No. 1822 —With Brass Folding Handle	..	..	..	..	each	\$0 85	1 15	1 30	1 75
“ 1823 —“ Flush “	..	..	..	..	“	1 10	1 35	1 60	2 05



Ass Skin Measuring Tapes

Cotton Tape

Length	..	..	..	33	50	66 feet
Each	..	..	..	\$0 25	0 30	0 35

Patent Leather Case Measuring Tapes

Cotton Tape

Length	..	..	..	33	50	66 feet
Each	..	..	..	\$0 50	0 55	0 60

Chesterman's Measuring Tapes

With $\frac{1}{8}$ inch STEEL Tape

	Length	..	..	..	33	50	66 feet
No. 1840 —Brass Flush Handle, Leather Case, each	..	..	..	..	\$3 40	4 80	5 75
“ 103 —“ Reliable Junior” $\frac{1}{4}$ inch steel tape, Leather Case, Nickel-Plated Trimmings, total weight five ounces	..	..	..	..	..	4 80	..

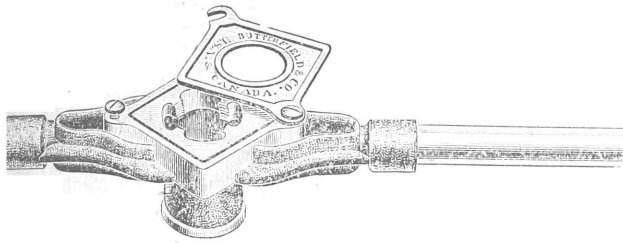


Lufkin's and Chesterman's Pocket Tapes

	Length	..	..	..	..	3	6 feet
No 1801 —Linen Tape, German Silver Case, Spring Stop	..	..	..	..	each	\$0 65	0 80
“ 1811 —Steel “ “ “ “	..	..	..	..	“	80	1 30
“ 173 —3 ft. Lufkin, with $\frac{1}{4}$ inch Enamelled Linen Tape	..	..	..	..	“	25 cents	..
“ 185 —5 ft. “ “ “ “	..	..	..	..	“	40	..
“ 186 —6 ft. “ “ “ “	..	..	..	..	“	45	..



CHESTERMAN'S TAPES ARE THE BEST MADE

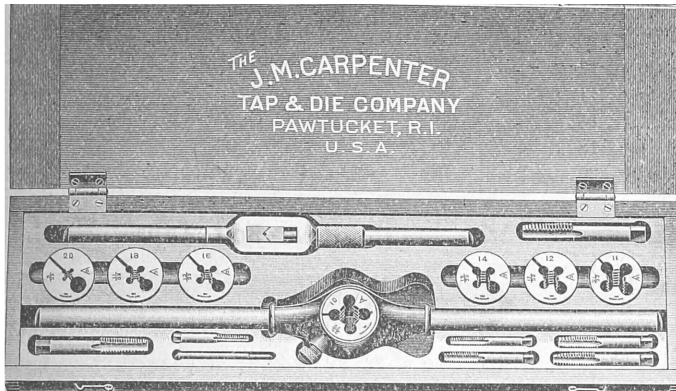


Solid Die Plates

FOR THREADING STEAM, GAS AND WATER PIPES.

LIST OF SIZES

No. 0, with regular outfit threads, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ inch pipe.				
" 1,	"	"	"	Can add $\frac{1}{8}$.
" 1 $\frac{1}{2}$,	"	"	"	" " $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$
" 1 $\frac{3}{4}$,	"	"	"	" " $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$
" 2,	"	"	"	" " $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1
" 3,	"	"	"	" " $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1



No.	THREADS.	Dimensions of Dies.	Die Plate Complete.	Extra Dies.
No. 00 for Brass Pipe	$\frac{1}{8}$ to $1\frac{1}{2}$	2 x 2 x $\frac{1}{2}$	....	....
No. 0	$\frac{1}{4}$ to $1\frac{1}{2}$	2 x 2 x $\frac{1}{2}$	\$3 20	....
" 1	$\frac{1}{2}$ to $1\frac{1}{2}$	2 $\frac{1}{2}$ x 2 $\frac{1}{2}$ x $\frac{1}{2}$	4 40	\$0 60
" 1 $\frac{1}{2}$	$\frac{1}{2}$ to $1\frac{1}{2}$	3 x 3 x $\frac{1}{2}$	4 00	75
" 1 $\frac{3}{4}$	$\frac{1}{2}$ to $1\frac{1}{2}$	3 x 3 x $\frac{1}{2}$	4 00	75
" 2	$\frac{1}{2}$ to 2	4 x 4 x $\frac{1}{2}$	5 85	1 05
" 3, 2 Arm	$\frac{1}{2}$ to 3	5 x 5 x $\frac{1}{2}$	15 65	2 50
" 4, 4 Arm	$\frac{1}{2}$ to 3	5 x 5 x $\frac{1}{2}$	18 20	2 50

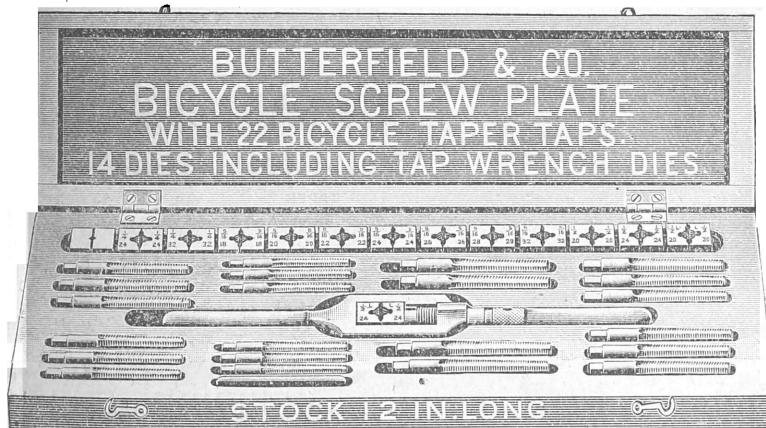
No. 2 and larger have leader screws.

PLEASE NOTE.—If you order a 1 inch Pipe Die without giving the dimensions of the Square or number of the Plate to be used in, we should not know whether you wanted it for No. 1, $1\frac{1}{2}$ or 2.

Round Die Sets

No. 8A—Adjustable stock, 23 inches long, with seven No. 3 adjustable Dies, 2 inch diameter, and seven taper taps, cutting $\frac{1}{8}$ x 20, $\frac{1}{8}$ x 18, $\frac{1}{8}$ x 16, $\frac{1}{8}$ x 14, $\frac{1}{8}$ x 12, $\frac{1}{8}$ x 11, $\frac{1}{8}$ x 10. Set, complete, in case \$12 80

No. 8B—Same as 8A, only $\frac{1}{2}$ over-size for rough iron work. Complete, in case..... \$13 45.



99	12 inches long, 14 pair Dies $\frac{1}{8}$ x 24, 32; $\frac{1}{8}$ x 18, 20, 22, 24, 26, 28, 32; $\frac{1}{8}$ x 20, 24, Right hand. $\frac{1}{8}$ x 20, 24, Left hand.	Each.
	22 Bicycle Taper Taps $\frac{1}{8}$ x 20, 22, 24, 26, 28, 32; $\frac{1}{8}$ x 20, 22, 24, 26, 28, 32; $\frac{1}{8}$ x 18, 20, 22, 24, 26, 28; $\frac{1}{8}$ x 20, 24, Right hand; $\frac{1}{8}$ x 20, 24, Left hand. Including one pair of Tap Wrench Dies.	
		\$15.60

Reece's New Screw Plates, with 2 Stocks



No. / 4 Small Collets cutting $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, Stock 14 inches } Each
CC { 3 Large Collets cutting $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, Stock 26 inches } \$13.20

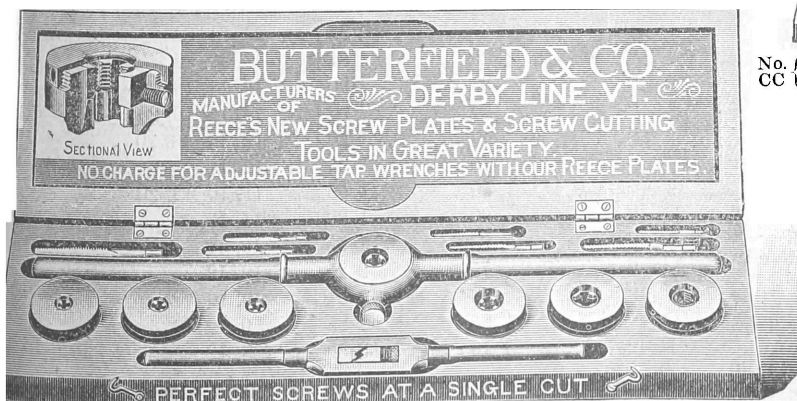
Reece's New Screw Plates

WITH SINGLE STOCK

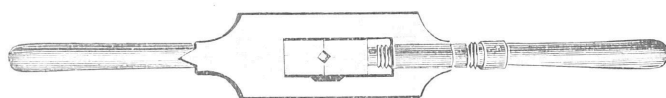
Cut showing size D, complete, in box.

Size D—Case contains stock 26 inches long, adjustable Tap Wrench, Taps, Dies and Collets, cutting $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, and 1 inch. Priceeach \$18.00

Size E—Case contains stock 26 inches long, adjustable Tap Wrench, Taps, Dies and Collets, cutting $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, and 1 inch.....each \$21.00

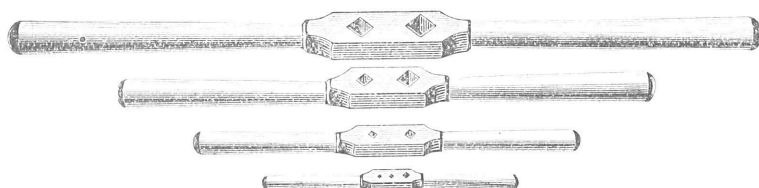


OUR GOODS ARE ALL OF A STANDARD QUALITY.

Adjustable Tap and Reamer Wrench

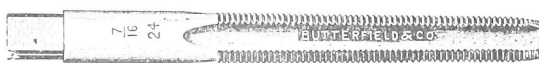
No.	Size	Length	Threads	Price
No. 0	5 inches long	taps $\frac{1}{16}$ to $\frac{1}{4}$ inch	each	\$0 90
" 1	8 " "	" " " "	"	1 30
" 1 $\frac{1}{2}$	10 " "	" " " "	"	1 75
" 2	12 " "	" " " "	"	1 75
" 3	15 " "	" " " "	"	2 65
" 4	20 " "	" " " "	"	3 40
" 5	29 " "	" " " "	"	4 50

A good adjustable tap wrench is an indispensable tool. They will be found extremely convenient and their use a great saving of taps.

Solid Tap Wrenches

These wrenches are made of malleable iron, nicely polished and case-hardened in the centre, and the holes are fitted to receive the shanks of Taps manufactured by us.

No.	Size	Length	Threads	Price
No. 1	Holds $\frac{1}{16}$, $\frac{1}{8}$ and $\frac{3}{16}$ inch taps	each		\$0 35
" 2	" " "	"		60
" 3	" " "	"		90
" 4	" " "	"		1 30

Bicycle Taps

DIAMETER.	THREADS.	PRICE EACH
$\frac{1}{4}$ inch	18, 20, 22, 24, 26, 28, 30, 32	\$0 34
$\frac{1}{8}$ "	18, 20, 22, 24, 26, 28, 30, 32	38
$\frac{3}{16}$ "	18, 20, 22, 24, 26, 28, 30, 32	41
$\frac{1}{2}$ "	18, 20, 22, 24, 26, 28, 30, 32	52

These Taper Taps are $\frac{1}{16}$ larger than the diameter given in above table.

Any size and threads not given in above table will be considered special.

We carry a stock of these Taps as listed above in V threads only.

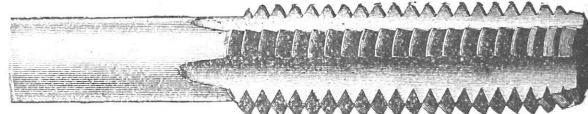
These Taper Taps are designed especially to meet the demand of bicycle repairers for a tapering Tap. The taper on same is fast enough to give good results. These Taps are so arranged that when run into a hole the full length of its thread, the point of the next larger tap will enter.

Machine Screw Taps

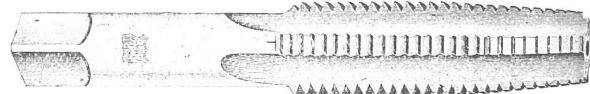
No.	STD. THREADS.	THREADS FURNISHED.	PRICE EACH
2	56	...	\$ 0
3	48	...	...
4	36	32, 40	...
6	32	30, 36	...
7	32	30	...
8	32	30, 36	...
10	24	28, 30, 32	...
12	24	20, 32	...
14	20	24, 18	...
16	18	20	...
18	18	...	...
20	16	18	...

Stove Bolt Taps

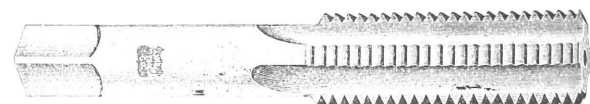
Size	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	inch.
No. Threads	24	18	18	16
Price, each	18	19	19	23 cents

Hand Taps

TAPER



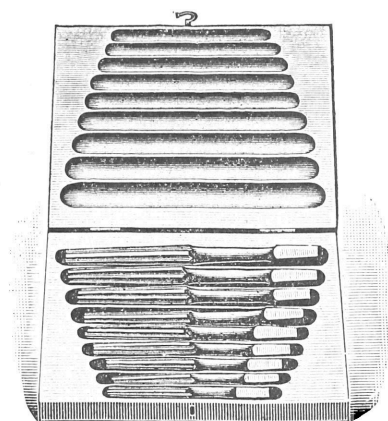
PLUG

**BOTTOMING**

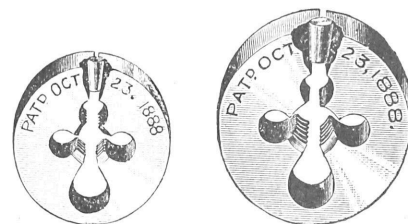
DIMENSIONS.	PRICE EACH.	PRICE PER SET.	NO. THREADS TO INCH.	WHOLE LENGTH.
$\frac{1}{4}$ inch.	\$0 25	\$0 75	20, 24, 32	2 $\frac{1}{2}$ inches.
$\frac{1}{8}$ "	28	84	18, 24, 32	2 $\frac{3}{8}$ "
$\frac{3}{16}$ "	30	90	16, 14, 18, 20	2 $\frac{1}{2}$ "
$\frac{1}{2}$ "	33	99	14, 12, 16, 20	3 $\frac{1}{2}$ "
$\frac{3}{4}$ "	40	1 20	12, 14, 16, 20	3 $\frac{3}{4}$ "
$\frac{1}{2}$ "	45	1 35	12, 14	3 $\frac{1}{2}$ "
$\frac{3}{4}$ "	50	1 50	11, 10, 12, 20	3 $\frac{1}{2}$ "
$\frac{1}{2}$ "	60	1 80	11, 10, 12	4 $\frac{1}{2}$ "
$\frac{3}{4}$ "	65	1 95	10, 12	4 $\frac{1}{2}$ "
$\frac{1}{2}$ "	75	2 25	10, 12	4 $\frac{1}{2}$ "
$\frac{3}{4}$ "	88	2 64	9, 10, 12	4 $\frac{1}{2}$ "
$\frac{1}{2}$ "	95	2 85	9, 12	4 $\frac{1}{2}$ "
1 "	1 10	3 30	8, 12	5 $\frac{1}{2}$ "

We can supply Hand Taps in rough iron sizes, also Hand Taps with Left Hand Threads, of standard size and pitch, at regular prices.

OUR MANTELS WILL PLEASE YOU IN PRICE AND QUALITY.

Taper Reamers for Bit Brace

Diameter ..	..	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$
Price per doz.	..	\$2 40	3 00	3 60	4 20	4 80	6 00	7 20	8 40	9 60
" Each	..	20	25	30	35	40	50	60	70	80

Set of five, $\frac{1}{4}$ to $\frac{1}{2}$ inclusive, \$1 50 in box.Set of nine, $\frac{1}{4}$ to $\frac{3}{4}$ inclusive, \$4 10 in box.**Round Adjustable Dies**No. 00 Dies. Diameter $\frac{5}{8}$ inch.

Screw Gauge Size	V Standard	Other Threads Furnished	Price Each
No. 2	.. 56	.. 48	.. \$0 40
" 3	.. 48	.. ..	.. 40
" 4	.. 36	.. 32, 40	.. 40
" 6	.. 32	.. 36	.. 40
" 8	.. 32	.. 24, 30, 36	.. 40
" 10	.. 24	.. 28, 30, 32	.. 40

No. 0 Round Adjustable DiesOutside Diameter $\frac{1}{8}$ inch, $\frac{1}{4}$ inch Thick.

Screw Gauge Size	V Standard	Other Threads Furnished	Price Each
2	.. 56	.. 48	.. \$0 40
3	.. 48	.. ..	.. 40
4	.. 36	.. 32, 40	.. 40
6	.. 32	.. 36	.. 40
8	.. 32	.. 24, 30, 36	.. 40
10	.. 24	.. 28, 30, 32	.. 40
12	.. 24	.. 20	.. 40
14	.. 20	.. 24	.. 40
16	.. 18	.. 20, 24	.. 40

No. 1 Round Adjustable DiesOutside Diameter 1 inch, $\frac{3}{8}$ inch Thick.

Screw Gauge Size	V Standard	Other Threads Furnished	Price Each
6	.. 32	.. 36	.. \$0 75
8	.. 32	.. 24, 30	.. 75
10	.. 24	.. 28, 30, 32	.. 75
12	.. 24	.. 20	.. 75
14	.. 20	.. 24	.. 75
16	.. 18	.. 20, 24	.. 75
18	.. 18	.. 16, 20	.. 75
20	.. 16	.. 18, 20	.. 75
$\frac{1}{4}$ inch	.. 20	.. 24, 26, 28, 30, 32	.. 75
$\frac{5}{16}$ "	.. 18	.. 20, 24, 26, 28, 30, 32	.. 75
$\frac{3}{8}$ "	.. 16	.. 24, 26	.. 75
$\frac{7}{16}$ "	.. 14	.. 16, 18, 20, 24, 26, 28	.. 75

No. 2 Round Adjustable DiesDiameter $1\frac{1}{2}$ inches, $\frac{1}{2}$ inch Thick.

Cutting Size	V Standard	Price Each
$\frac{1}{4}$	.. 20	.. \$1 00
$\frac{5}{16}$	.. 18	.. 1 00
$\frac{3}{8}$	.. 16	.. 1 00
$\frac{7}{16}$	.. 14	.. 1 00
$\frac{1}{2}$	.. 12	.. 1 00

No. 3 Round Adjustable DiesDiameter 2 inches, $\frac{5}{8}$ inch Thick.

Cutting Size	V Standard	Price Each
$\frac{1}{4}$	.. 20	.. \$1 25
$\frac{5}{16}$	.. 18	.. 1 25
$\frac{3}{8}$	.. 16	.. 1 25
$\frac{7}{16}$	.. 14	.. 1 25
$\frac{1}{2}$	.. 12	.. 1 25
$\frac{5}{8}$	.. 11	.. 1 50
$\frac{3}{4}$	.. 10	.. 1 75

No. 4 Round Adjustable DiesDiameter $2\frac{1}{2}$ inches, $\frac{1}{2}$ inch Thick.

Cutting Size	V Standard	Price Each
$\frac{3}{8}$	.. 16	.. \$1 50
$\frac{7}{16}$	.. 14	.. 1 50
$\frac{1}{2}$	.. 12	.. 1 50
$\frac{5}{8}$	.. 11	.. 1 75
$\frac{3}{4}$	.. 10	.. 2 00
$\frac{7}{8}$	.. 9	.. 2 25
1	.. 8	.. 2 50

MAIL ORDER CUSTOMERS RECEIVE BENEFIT OF REDUCED PRICES

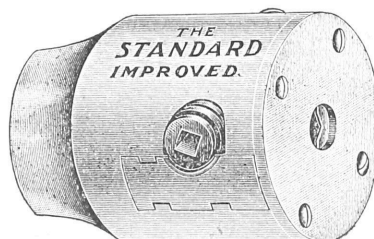
Solid Stocks

No. of Stock.	No. of Die.	Outside Dia. of Die.	Length of Die.	Price each
00	00	$\frac{5}{8}$ inch	$5\frac{1}{2}$ inch	\$0 40
0	0	$\frac{11}{16}$ "	7 "	45
1	1	1 "	9 "	95
2	2	$1\frac{1}{2}$ "	13 "	1 15
3	3	2 "	18 "	1 40
4	4	$2\frac{1}{2}$ "	23 "	1 60

Standard Drill and Countersink Combined

No. 107 D.

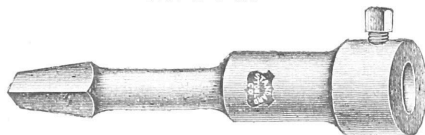
Size	Diameter of Body.	Diameter of Drill.	Price each.
F	$\frac{1}{4}$ inch	$\frac{5}{16}$ and $\frac{3}{16}$ inch	\$0 35
G	$\frac{1}{2}$ "	$\frac{1}{2}$ " $\frac{1}{2}$ "	35
H	$\frac{1}{2}$ "	$\frac{1}{2}$ " $\frac{3}{4}$ "	35

Standard "Improved" Drill Chucks

Number	Diameter inches	Length inches	Capacity inch	Price Each
0	$1\frac{1}{16}$	$2\frac{1}{2}$	0 to $\frac{3}{8}$	\$5 50
1	$2\frac{1}{16}$	$2\frac{1}{8}$	0 to $\frac{1}{2}$	6 00
2	$2\frac{7}{16}$	$3\frac{3}{8}$	0 to $\frac{3}{4}$	6 75
3	$3\frac{1}{16}$	$4\frac{1}{4}$	0 to 1	8 40

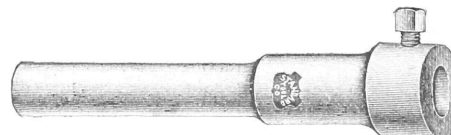
Chucks

No. 136 B.



With Bit Brace Shank.

No. 136 C.

With $\frac{1}{2}$ inch Shank.For Straight Shank Drills with $\frac{1}{2}$ inch Shank.

Price	..	..	..	..	each 95 cents.	Price	..	..	..	..	each 95 cents.
-------	----	----	----	----	----------------	-------	----	----	----	----	----------------

WRITE US FOR ANYTHING YOU WANT AND DO NOT SEE IN CATALOGUE.

Star Chucks

No. 5, 6 and 7.



The Chuck illustrated above has three steel jaws carefully adjusted in a socket to keep them in place and so arranged as to open and close with the loosening or tightening of the Chuck upon the spindle.

This is a thoroughly good and substantial Chuck at a low price. Handsomely polished and nickel-plated.

No. 5	holds from 0 to $\frac{1}{4}$ inclusive ;	has shank $1\frac{1}{2} \times \frac{1}{2}$	..	..	..	..	..	..	Price, each \$1 35
" 6	" 0 to $\frac{3}{8}$ "	" $3\frac{3}{8} \times \frac{1}{2}$ "	..	..	..	..	..	..	" 2 10
" 7	" 0 to $\frac{1}{2}$ "	" $4\frac{1}{2} \times \frac{1}{2}$ "	..	..	..	..	..	..	" 4 10

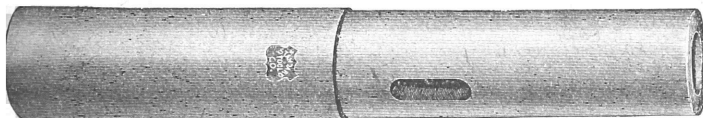
Packed one in a box.

NOTE.—We can furnish No. 5 Chuck with $\frac{1}{2}$ inch shank, No. 6 Chuck with $\frac{1}{2}$ inch shank, and No. 7 Chuck with $\frac{1}{2}$ or $\frac{1}{4}$ inch shank, instead of as listed above, without additional charge. Special shanks, straight or taper, to order at 50c. extra.

In ordering taper shanks, be careful to advise us as to the exact taper wanted.

Steel Sockets for "Standard" or "Morse"

TAPER SHANK DRILLS.



No. 116

Steel Sockets or Sleeve for "Standard" or "Morse"

TAPER SHANK DRILLS.



No. 118

No. 1 —Holds Drills $\frac{1}{4}$ to $\frac{1}{2}$ in. inclusive	..	each \$0 85	No. 1 —Fitted to No. 2 or 3 Socket	..	each \$1 45
" 2 " $\frac{5}{8}$ to $\frac{3}{4}$ "	..	" 1 25	" 2 " " 3 Socket	..	" 1 90
" 3 " $1\frac{1}{8}$ to $1\frac{1}{4}$ "	..	" 1 75	" 3 " " 4 " "	..	" 2 35
" 4 " $1\frac{3}{4}$ to 2 "	..	" 2 75			

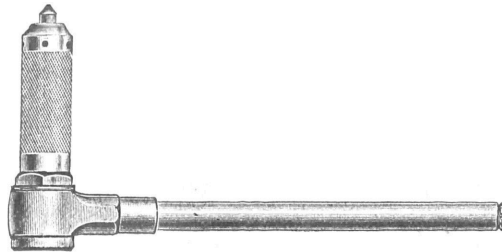
Bit Stock Drills

FOR METAL OR WOOD.



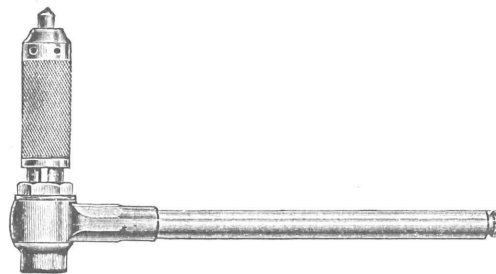
No. 108

Diameter ..	$\frac{1}{16}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	3	$3\frac{1}{4}$	$3\frac{1}{2}$	4	$4\frac{1}{4}$	$4\frac{1}{2}$	5	$5\frac{1}{4}$	$5\frac{1}{2}$	6	$6\frac{1}{4}$	$6\frac{1}{2}$	7	$7\frac{1}{4}$	$7\frac{1}{2}$	8	inch	
Length ..	$3\frac{1}{8}$	$3\frac{1}{2}$	$3\frac{3}{4}$	$4\frac{1}{4}$	$4\frac{3}{8}$	$4\frac{1}{2}$	$5\frac{1}{8}$	$5\frac{1}{2}$	$5\frac{3}{4}$	$5\frac{7}{8}$	6	$6\frac{1}{4}$	$6\frac{1}{2}$	$6\frac{3}{4}$	$6\frac{7}{8}$	7	$7\frac{1}{4}$	$7\frac{1}{2}$	8	"																	
Price, each ..	\$0 07	07	09	11	13	15	17	20	23	27	30	34	37	40	43	60	68																				

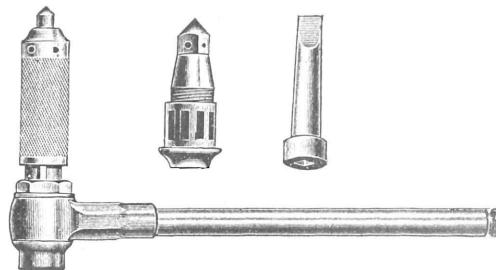
Keystone Reversible Square Sleeve Ratchet

For square shank drills only.

No. 2, 14 inch Handle	....	....	....	....	....	....	....	each \$5 75
" 3, 16 " "	....	....	....	....	....	....	....	6 50

Keystone Reversible Morse Taper Ratchet

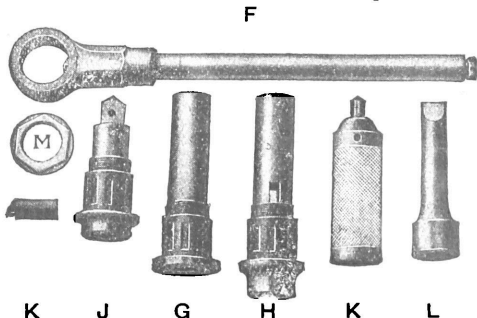
No. 22, 14 inch Handle	....	....	....	....	....	....	....	each \$6 00
" 23, 16 " "	....	....	....	....	....	....	....	6 75

Keystone Reversible Ratchet. Combination No. 200

Consists of Morse Taper Ratchet for twist drills, sleeve for square shank drills, and short boiler socket for square shank drills. (Socket interchangeable.)

No. 52, Combination complete with 14 inch handle	....	....	....	....	....	....	....	each \$9 00
" 53, " " " 16 " "	....	....	....	....	....	....	....	10 00

The bore of socket for 14 and 16 inch ratchet is No. 3 taper, taking drills up to 1 1/4 inches.

Separate Parts for Keystone Ratchets

- F. Ratchet Holder.
- G. Socket for square shanks.
- H. " " Morse taper.
- J. " " boiler maker.
- K. Feed nut.
- L. Square shank drill sleeve.
- M. Cap.
- N. Pawl.

K J G H K L

MAY WE HAVE AN OPPORTUNITY TO PROVE THESE TOOLS TO YOU.

...	$1\frac{3}{4}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{3}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{4}$	$1\frac{3}{8}$	11 inch
...	$1\frac{1}{2}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{3}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{4}$	$1\frac{3}{8}$	“
Each	...	\$0 30	33	35	38	40	43	45	48	50	55	60	65	70	75	80	
...	$3\frac{3}{4}$	$3\frac{1}{4}$	$3\frac{3}{8}$	$1\frac{1}{2}$	$3\frac{1}{2}$	4	$3\frac{3}{4}$	$1\frac{1}{2}$	$3\frac{3}{4}$	1	$1\frac{1}{2}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{2}$	inch
...	$9\frac{1}{2}$	$9\frac{1}{4}$	$9\frac{3}{8}$	10	$10\frac{1}{4}$	$10\frac{1}{2}$	$10\frac{3}{4}$	$10\frac{1}{2}$	$10\frac{3}{4}$	11	$11\frac{1}{4}$	$11\frac{1}{2}$	$11\frac{3}{4}$	$11\frac{1}{2}$	$11\frac{3}{4}$	12	“
...	\$0 85	93	1 00	1 08	1 15	1 23	1 30	1 38	1 45	1 50	1 60	1 70	1 80	1 90	2 10		
...	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{3}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{3}{8}$	2 inch
...	$12\frac{1}{2}$	$14\frac{1}{4}$	$14\frac{1}{2}$	$14\frac{3}{4}$	15	$15\frac{1}{4}$	$15\frac{1}{2}$	$15\frac{3}{4}$	16	$16\frac{1}{4}$	$16\frac{1}{2}$	$16\frac{3}{4}$	$16\frac{1}{2}$	$16\frac{3}{4}$	$16\frac{1}{2}$	$16\frac{3}{4}$	“
...	\$2 25	2 40	2 60	2 80	3 00	5 50	6 00	6 50	7 00	7 35	7 65	7 90	8 15				

Standard Straight Shank Twist Drills



Diameter	...	1 $\frac{1}{8}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$	1 $\frac{7}{8}$	2	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{5}{8}$	3	3 $\frac{1}{8}$	3 $\frac{1}{4}$	3 $\frac{3}{8}$	3 $\frac{1}{2}$	3 $\frac{5}{8}$	4	4 $\frac{1}{8}$	4 $\frac{1}{4}$	inch
Length	...	2 $\frac{1}{2}$	2 $\frac{5}{8}$	2 $\frac{3}{4}$	2 $\frac{7}{8}$	3	3 $\frac{1}{8}$	3 $\frac{1}{4}$	3 $\frac{3}{8}$	3 $\frac{1}{2}$	3 $\frac{5}{8}$	3 $\frac{3}{4}$	3 $\frac{7}{8}$	4	4 $\frac{1}{8}$	4 $\frac{1}{4}$	4 $\frac{3}{8}$	4 $\frac{1}{2}$	4 $\frac{5}{8}$	5	5 $\frac{1}{8}$	5 $\frac{1}{4}$	"
Price ...	per doz.	\$0 50	55	60	65	73	80	90	1 00	1 10	1 20	1 33	1 45	1 57	1 70	1 83							
"	each	05	06	06	07	07	08	09	10	11	12	13	15	16	17	18							
Diameter	...	1 $\frac{1}{8}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$	1 $\frac{7}{8}$	2	2 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{5}{8}$	3	3 $\frac{1}{8}$	3 $\frac{1}{4}$	3 $\frac{3}{8}$	3 $\frac{1}{2}$	3 $\frac{5}{8}$	4	4 $\frac{1}{8}$	4 $\frac{1}{4}$	inch
Length	...	4 $\frac{3}{8}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$	4 $\frac{7}{8}$	5	5 $\frac{1}{8}$	5 $\frac{1}{4}$	5 $\frac{3}{8}$	5 $\frac{1}{2}$	5 $\frac{5}{8}$	5 $\frac{3}{4}$	5 $\frac{7}{8}$	6	6 $\frac{1}{8}$	6 $\frac{1}{4}$	6 $\frac{3}{8}$	6 $\frac{1}{2}$	6 $\frac{5}{8}$	7	7 $\frac{1}{8}$	7 $\frac{1}{4}$	"
Price ...	per doz.	\$1 95	2 10	2 25	2 40	2 55	2 70	2 85	3 00	3 20	3 40	3 60	3 75	3 88	4 00								
"	each	20	21	23	24	26	27	29	30	32	34	36	38	39	40								

Straight Shank Twist Drills



Nos.	1 to 5	6 to 10	11 to 15	16 to 20	21 to 25	26 to 30
Average length	4	3 $\frac{11}{16}$	3 $\frac{1}{2}$	3 $\frac{1}{4}$	3 $\frac{1}{8}$	2 $\frac{1}{8}$ inches
Price, per doz.	\$1 18	1 13	1 05	98	88	78
“ each	12	12	11	10	09	08
Nos.	31 to 35	36 to 40	41 to 45	46 to 50	51 to 60	61 to 70
Average length	2 $\frac{1}{2}$	2 $\frac{7}{16}$	2 $\frac{1}{4}$	2 $\frac{1}{16}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$ inches
Price, per doz.	\$0 70	63	55	48	48	45
“ each	07	06	06	05	05	05

With Shanks $\frac{1}{2}$ inch Diameter.



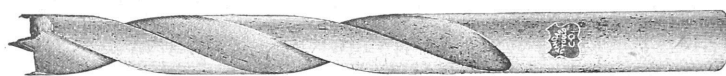
Diameter	..	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{15}{16}$	$\frac{1}{2}$	$\frac{13}{16}$	$\frac{7}{8}$	$\frac{15}{16}$	$\frac{1}{2}$	$\frac{13}{16}$	$\frac{7}{8}$	$\frac{15}{16}$	2 inch
Length	..	5 $\frac{1}{8}$	5 $\frac{3}{8}$	5 $\frac{1}{2}$	5 $\frac{7}{8}$	6 $\frac{1}{8}$	6 $\frac{1}{4}$	6 $\frac{1}{2}$	6 $\frac{3}{4}$	7	7 $\frac{1}{4}$	7 $\frac{1}{2}$	7 $\frac{3}{4}$	8	8 $\frac{1}{4}$	8 $\frac{1}{2}$	8 $\frac{3}{4}$ "
Price	each	\$0 23	23	25	28	30	33	35	38	40	43	45	48	50	55	60	70

Diameter	..	$\frac{3}{4}$	$\frac{1 1}{4}$	$\frac{3 3}{8}$	$\frac{1 1}{2}$	$\frac{7}{5}$	$\frac{1 13}{16}$	$\frac{3 1}{2}$	$\frac{3 3}{8}$	$\frac{1 15}{16}$	$\frac{3 3}{4}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{7}{8}$ inch
Length	..	9	9 $\frac{1}{4}$	9 $\frac{1}{2}$	9 $\frac{3}{4}$	9 $\frac{5}{8}$	9 $\frac{3}{4}$	9 $\frac{7}{8}$	9 $\frac{1}{2}$	9 $\frac{1}{4}$	9 $\frac{1}{8}$	9 $\frac{1}{4}$	10	10	10	10	10 "
Price	each	\$0 75	80	85	93	1 00	1 08	1 15	1 23	1 30	1 38	1 45	1 50	1 60	1 70	1 80	1 90

The above furnished in 64ths if desired, at price of next larger size.

Straight Shank Machine Bits

For Wood.



No. 109 C

Diameter.....	$\frac{1}{8}$	$\frac{5}{32}$	$\frac{3}{16}$	$\frac{7}{32}$	$\frac{1}{4}$	$\frac{9}{32}$	$\frac{5}{16}$	$\frac{11}{32}$	$\frac{3}{8}$	$\frac{13}{32}$	$\frac{7}{16}$	$\frac{15}{32}$	$\frac{1}{2}$ inch.
Length.....	3	3 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$	4	4 $\frac{1}{4}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$	5	5 $\frac{1}{4}$	5 $\frac{1}{2}$	5 $\frac{3}{4}$	6 "
Price..... each	\$0 18	23	27	32	36	41	45	50	59	63	68	72	77

Diameter.....	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	$\frac{7}{8}$	$\frac{15}{16}$	1	$1\frac{1}{16}$	$1\frac{1}{8}$	$1\frac{3}{16}$	$1\frac{1}{2}$ inch
Length.....	$6\frac{1}{8}$	$6\frac{1}{4}$	$6\frac{1}{2}$	7	$7\frac{1}{2}$	8	$8\frac{1}{2}$	9	$9\frac{1}{2}$	$11\frac{1}{4}$	$11\frac{3}{4}$	12	$12\frac{1}{2}$ "
Price..... each	\$0 86	90	1 04	1 22	1 49	1 76	2 07	2 09	2 70	3 24	3 60	3 96	4 32

No. 109 D—With $\frac{1}{2}$ inch Shank.

[illegible]

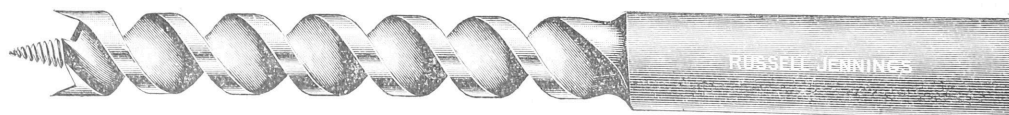
Diameter.....	$\frac{1}{2}$	$\frac{3}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	1 inch
Length.....	7 $\frac{1}{4}$	7 $\frac{1}{8}$	7 $\frac{1}{2}$	7 $\frac{1}{4}$	7 $\frac{1}{2}$	8	8	8 $\frac{3}{4}$	8 $\frac{3}{4}$	9 $\frac{1}{2}$ "
Price..... each	\$1 17	1 26	1 44	1 62	1 71	1 80	2 16	2 34	2 70	3 06



No. 109 E—Taper Shank.

No. 105 E—Paper Shank.												
Diameter.....	$\frac{5}{16}$	$\frac{1}{4}$	$\frac{5}{32}$	$\frac{11}{32}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{15}{32}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{3}{4}$ inch	
Length.....	$5\frac{1}{8}$	$6\frac{1}{4}$	$6\frac{3}{4}$	$6\frac{1}{2}$	$6\frac{3}{4}$	$7\frac{1}{4}$	$7\frac{1}{2}$	$7\frac{3}{4}$	$8\frac{1}{4}$	$8\frac{1}{2}$	$9\frac{3}{4}$ "	
Price.....each	\$0 54	63	68	72	77	81	90	99	1 08	1 26	1 44	1 80

Russell Jennings Machine Bits



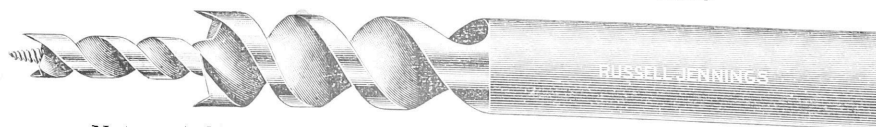
Stock Bits have shanks 2 inches long, $\frac{5}{16}$ or $\frac{1}{2}$ inch diameter, twist $2\frac{1}{2}$ inches long.

Size.....	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 inch
Each	\$0 38	0 43	0 48	0 55	0 60	0 70	0 83	0 98

Can be supplied to order any length, twist and

Can be supplied to order any length twist, and any size or shape of shank.

Russell Jennings Countersink Bits



Not carried in stock. Made to order only. Prices on application.
The bits should state length and thickness of end flange.

Parties ordering these bits should state length and thickness of each Twist, also diameter and length of shank.

[illegible]

RUSSELL JENNINGS AUGER AND MACHINE BITS ARE THE BEST.

Auger Bits**Russell Jennings Genuine Auger Bits**

Size.....	3	4	5	6	7	8	9	10	11	12	13	14	15	16	18-16ths.
Price...each	30	27	30	34	39	42	46	49	54	58	63	69	74	79	90 cents.

**Bailey Auger Bits**

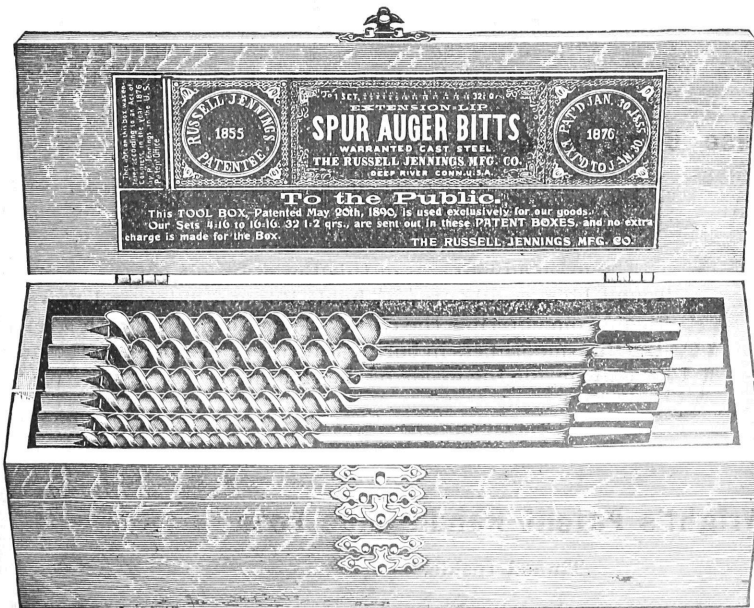
Size.....	3	4	5	6	7	8	9	10	11	12	13	14	15	16	18-16ths.
Price...each	25	23	23	23	25	28	31	34	40	40	45	45	50	50	60 cents.

**Gilmore Auger Bits**

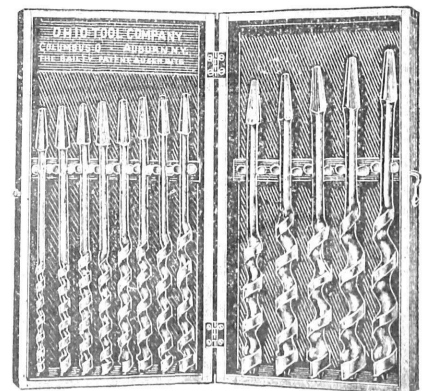
Size.....	3	4	5	6	7	8	9	10	11	12	13	14	15	16	18-16ths.
Price...each	15	13	13	13	15	16	18	19	23	23	26	26	29	29	34 cents.

Gilmore Auger Bits in Sets

In sets of 6 Bits in Wooden Box, $\frac{1}{4}$ to $\frac{1}{2}$ inch	..	..	..	..	..	..	..	..	..	..	..	..	..	..	per set \$1 35
" 9 " " " " $\frac{1}{4}$ to $\frac{1}{2}$ "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	" 1 75
" 13 " " " " $\frac{1}{4}$ to 1 "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	" 3 00



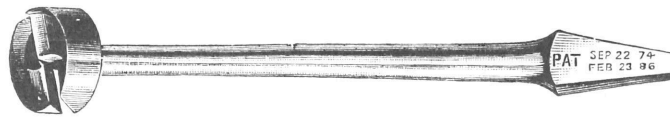
Russell Jennings Auger Bits in Sets.



Bailey Auger Bits in Sets.

Jennings Auger Bits in a patent three section box, 13 Bits, $\frac{1}{4}$ to 1 inch	..	..	..	..	..	..	..	..	..	..	..	..	..	..	per set \$6 60
No. 533 —Bailey Auger Bits in Wooden Box, 7 Bits, viz.—4, 5, 6, 8, 10, 12 and 16-16ths	..	..	..	..	..	..	..	..	..	..	..	..	..	..	" 2 80
" 534 — " " " " " 9 " —4, 5, 6, 7, 8, 10, 12, 14 and 16-16ths	..	..	..	..	..	..	..	..	..	..	..	..	..	..	" 3 55
" 535 — " " " " " 13 " —4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16ths.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	" 5 10
" 533 — " " " " " 6 " —4, 6, 8, 10, 12 and 16-16ths	..	..	..	..	..	..	..	..	..	..	..	..	..	..	" 2 55

BE SURE YOU ENCLOSE ENOUGH POSTAGE FOR GOODS GOING BY MAIL.

Forstner Auger Bits

The Forstner Bit is guided by its circular rim instead of by its centre, consequently it will bore any arc of a circle, and can be guided in any direction regardless of grain or knots. For smooth, round, oval or square boring, scroll or twist work, it cannot be beat.

Size..	.....	$\frac{3}{8}$	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\left(\frac{1\frac{1}{8}}{1\ 00}\ \frac{3}{4}\right)$	$\left(\frac{1\frac{1}{2}}{1\ 10}\ \frac{7}{8}\right)$	$\left(\frac{1\frac{3}{4}}{1\ 25}\ 1\right)$	$\left(\frac{1\frac{1}{2}}{1\ 30}\ 1\frac{1}{8}\right)$	$1\frac{1}{4}$	$1\frac{3}{8}$ inch
Price..each		\$0 80	0 80	0 80	0 80	0 80					1 45	1 60

Gilmore's Car Bits

15 inches long.



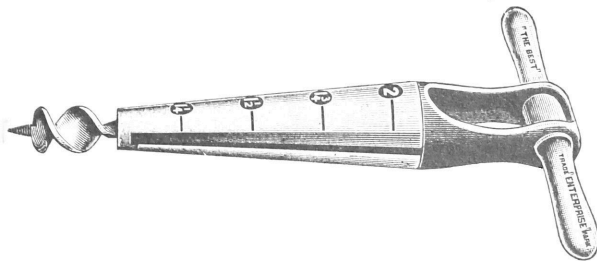
Size.....	4	5	6	7	8	9	10	11	12	13	14	15	16-16th inch
Price.....each	\$0 44	0 44	0 44	0 48	0 54	0 60	0 66	0 72	0 78	0 84	0 92	1 00	1 06

Gilmore's Long Eye Augers

Size.....	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inches
Price.....each	\$0 48	0 52	0 56	0 61	0 66	0 72	0 80	1 00	1 15	1 30

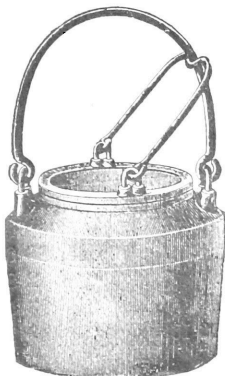
Bailey Car Bits (Regular)

Size.....	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$1\frac{1}{8}$	$\frac{3}{4}$	$1\frac{1}{8}$	$\frac{5}{8}$	$1\frac{1}{2}$	1	$1\frac{1}{8}$	$1\frac{3}{8}$ inch
Price.....each	\$0 50	0 50	0 50	0 56	0 63	0 70	0 77	0 83	0 90	0 97	1 06	1 15	1 25	1 35	1 45

Enterprise Bung Hole Borer

No. 1—Boring from $\frac{5}{8}$ to $1\frac{1}{2}$ inches	..	..	each	\$1 50
" 2 " $1\frac{1}{8}$ " 2 " " " " " " "	..	..	"	2 00
" 3 " $1\frac{1}{2}$ " 3 " " " " " " "	..	..	"	3 00

The main advantages of this Borer are—it bores a complete round hole, regular taper, holds its own chips and prevents them from entering the cask. Being furnished with a round Lip Bit, smoothness in boring is insured. To sharpen the stock or reamer, file the inside of the slot only.

**Wright's Patent Handle Glue Pots**

Tinned Inside.

Handles will stand upright as shown in cut, which prevents them getting hot, they also afford a rest for the brush. Undoubtedly the best Glue Pot in the market.

Size.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4 pints
Each.....	\$0 35	0 45	0 50	0 55	0 60	0 85	1 05	1 25	1 45	1 65	1 90

WE HAVE A SEPARATE CATALOGUE OF MACHINISTS' TOOLS.

German Gimlet Bits



No. 679 B	3	4	5	6	7	8	9	10	11	12/32nds
Per dozen.....	\$0 80	0 80	0 80	0 80	0 80	0 80	1 00	1 00	1 10	1 20
Each.....	68	08	08	08	08	08	10	10	11	12

Patent Wood Brace Drills



Size.....	3	4	5	6	7	8	9	10	11	12	13	14/32nds.
Price.....each	12	12	15	16	18	20	24	24	28	28	32	32 cents.
Size.....	15	16	17	18	19	20	22	24/32nds.				
Price.. ..each	33	33	37	37	40	40	43	47 cents.				

Cast Steel Shell and Spoon Bits



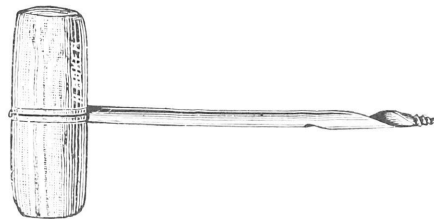
Shell Bit



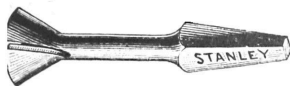
Spoon Bit

Robt. Sorby's Shell or Spoon Bits, assorted to $\frac{1}{4}$ inch.....	per doz.	\$1 20	each	\$0 12
H. Boker's " " " " $\frac{1}{4}$ ".....	"	65	"	07

Twist Gimlet



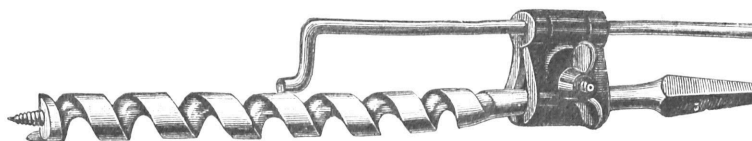
No. 751$\frac{1}{4}$ —Boker's Twist Gimlets, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ nds.....	per doz.	\$0 50	each	\$0 05
" 751$\frac{1}{4}$ — " " $\frac{3}{8}$ nds.....	"	60	"	06
" 751$\frac{1}{4}$ — " " $\frac{1}{2}$ nds.....	"	80	"	08
" 751$\frac{1}{4}$ — " " $\frac{5}{8}$ nds.....	"	1 00	"	10
" 15 —Mathieson's Twist Gimlets, assorted to $\frac{1}{4}$ inch.....	"	85	"	08



Dowel Sharpener

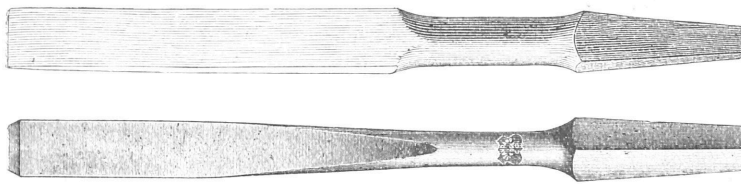
No. 22 —Dowel Sharpener.....	each	\$0 25
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Bit Gauge



Price.....	each	\$0 35
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TRY DISSTON FILES. THEY ARE GOOD.

Bright C. S. Turnscrew Bits

No. 653 E—Boker's Best Plain, as-sorted sizes.....each \$0 10

“ **654 E**—Boker's Best Forked, as-sorted sizes..... “ 10

“ **1011**—Sorby's Best Plain, as-sorted sizes..... “ 12

No. 1—Hand Forged Stubb's Steel..each \$0 15

Bright C. S. Reamers

No. 1014—Sorby's Half Round.....each \$0 12

“ **1013**— “ Square..... “ 12

“ **1016**— “ Octagon..... “ 16

Bright C. S. Rose Countersink

No. 651 E—Boker's, assorted large, each.....\$0 12

“ **1019**—Sorby's, assorted large, each..... 15

Bright C. S. Snail Horn Countersink

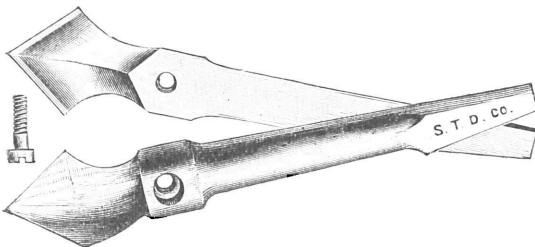
No. 650 E—Boker's, assorted large, each.....\$0 12

“ **1018**—Sorby's, assorted large, each..... 13

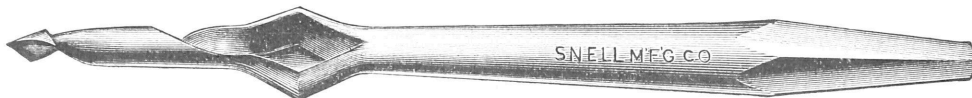
Bright C. S. Flat Head Countersink

No. 659 E—Boker's, assorted large, each.....\$0 12

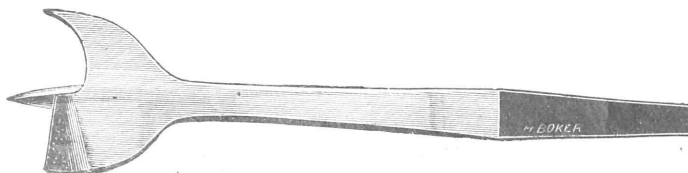
“ **1017**—Sorby's, assorted large, each..... 12

**Clark's Double Cut Countersinks**

Price.....each \$0 40

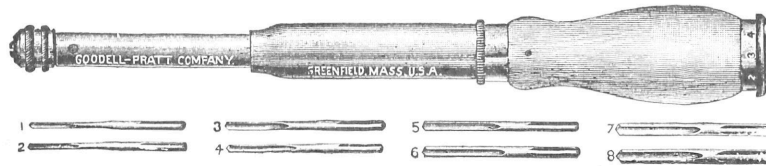
Diamond Countersink Bits

Nos.....	0	1	2	3	4
To bore.....	$\frac{5}{16} \times \frac{3}{4}$	$\frac{5}{16} \times 1$	$\frac{7}{16} \times 1\frac{1}{4}$	$\frac{9}{16} \times 1\frac{1}{2}$	$\frac{9}{16} \times 1\frac{3}{4}$
Price.....per doz.	\$1 50	1 50	1 50	1 50	1 50
“.....each	15	15	15	15	15

Bright C. S. Centre Bits

Size.....up to	$\frac{9}{32}$	$\frac{1}{8}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	2 inch.
Boker's best...each	10	10	10	10	10	10	15	15	16	18	20	25	30 cents.

WE HANDLE FIRE DOOR HANGERS. WRITE FOR CATALOGUE.

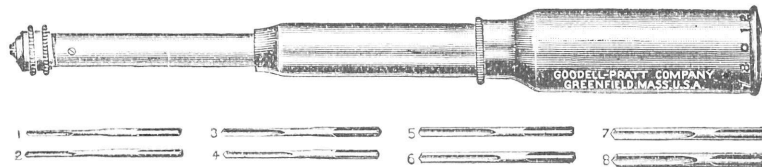
The Goodell Automatic Drill, No. 3½

This Drill Handle is made of polished hardwood, which, as a matter of choice, is sometimes preferred. Eight Drill Points, varying in size from $\frac{1}{16}$ to $\frac{11}{32}$ inch, are furnished with each tool, and are fitted to be instantly and firmly secured in the chuck, and by pressing the handle they are rapidly rotated.

The Drill Points are all contained in the handle, each in a separate compartment; the exact location of each size is seen at a glance, as the numbers designating each are upon the outside. When in use or not in use it stands at 0, as shown in sketch "A," and a pin is forced upward into the hole and prevents the cap from turning until such time as the operator desires to remove a Drill Point, when, by pressing slightly upon the pin which fills the hole from which the Drill Points are taken out, the cap can be turned to either right or left, until the hole is opposite the desired number, when the point can be readily removed, as shown in sketch "B." Then the cap is turned again until the hole is at blank 0.

The use of this Drill will save the operator much valuable time, both in hunting for Drill Points which may have been lost and in selecting the exact size which he may desire to use. Each Drill packed in a strong paper box.

Price each \$1 75

Automatic Drills Without Finish, No. 03

The working mechanism of these tools does not differ in the slightest degree from that in our more expensive styles. They are entirely without finish, however, being left in Dull Nickel, affording a quite considerable saving in cost and a corresponding reduction in the price at which we are able to offer them.

Each Drill is furnished with eight Drill Points of the same quality as our regular Drill Points; they are packed and put up in neat pasteboard boxes.

Price each \$1 55

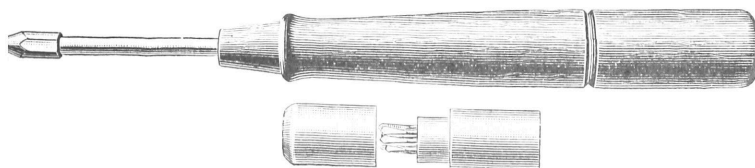
Goodell Drill Points, Fluted Shanks

Fitting Automatic Drills. These Points are manufactured from the finest grade of steel.

Nos. 1, 2, 3, 4, 5, 6, 7, 8.

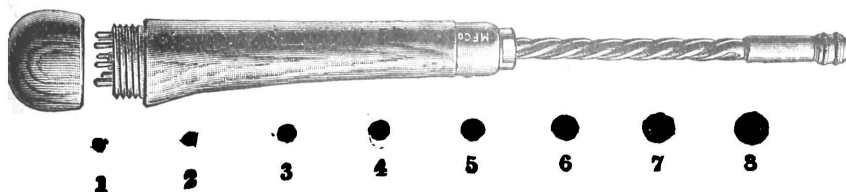
Sizes about $\frac{1}{16}$, $\frac{3}{32}$, $\frac{1}{8}$, $\frac{5}{32}$, $\frac{3}{16}$, $\frac{7}{32}$, $\frac{1}{2}$, $\frac{11}{32}$ inch.

Price per dozen \$0 80
Furnished in sets if desired each 08

Graves' Automatic Drill Stock, No. 1

This is a most complete tool for bracket saw work. The stock is made of Cocobola wood, with steel spindle. The Drill Points are fastened by means of a steel thimble, which screws on the end of the spindle. It is easily worked with one hand, and will drill the most delicate wood without danger of splitting.

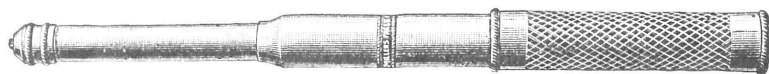
Price, with 12 Drill Points, assorted each \$0 70

Graves' Automatic Drill, No. 2

No. 2 is a larger size, with hollow handle, and includes a set of 8 Drill Points.

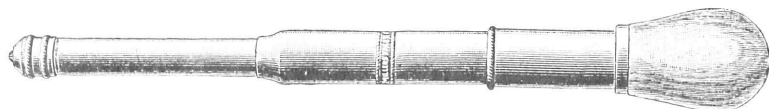
Price, with 8 Drill Points, assorted \$1 50

AUTOMATIC BORING TOOLS SAVE TIME.

Automatic Boring Tools

No. 3

No. 3—All metal handle with 8 points.....each \$1 20



No. 5

“ **5**—Solid Cocobola handle with 8 points..... “ 1 20

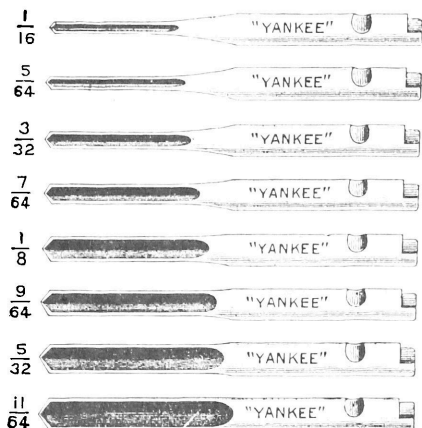


No. 7

“ **7**—Stained handle with separate cells for points and device for releasing any one of the 8 points from handle without disturbing the other numbers..... “ 1 60

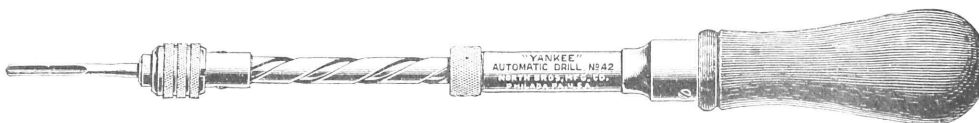
**“Yankee” Automatic Drill No. 41**

No. 41—“Yankee” Automatic Drill, made of brass, nickel-plated, entire length including drill 10 $\frac{3}{4}$ inches. Eight drills are furnished with this tool, one each $\frac{1}{16}$, $\frac{5}{64}$, $\frac{3}{32}$, $\frac{7}{64}$, $\frac{1}{8}$, $\frac{9}{64}$, $\frac{5}{32}$, $\frac{11}{64}$ inch, shown full size in cut. Price complete..... \$1 65



Cut Showing Magazine for Drill Points, Open.

Extra Drill Points.....each \$0 08
“ “ “ (per set of 8)..... “ 60

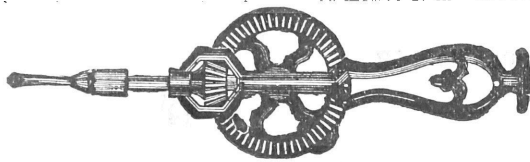
**“Yankee” No. 42 Automatic Drill**

No. 42 “Yankee” Drill is of the same construction as No. 41, but without any magazine for the drill points, and has a wood in place of metal handle, hence lower in price. The drill points are put up in a small round wooden box. Price each \$1 25

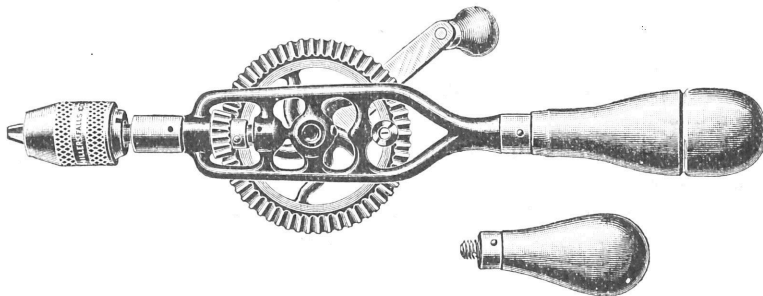
**“Yankee” No. 43 Automatic Drill**

This is a modification of the No. 42 Automatic Drill for use where only the smallest sizes of drill points are required. Only three points furnished with each tool, $\frac{1}{16}$, $\frac{5}{64}$, and $\frac{3}{32}$. Entire length of tool, including drill, 10 $\frac{3}{4}$ inches. Price each..... \$0 85

WE HANDLE A COMPLETE LINE OF THE CELEBRATED “YANKEE” TOOLS.

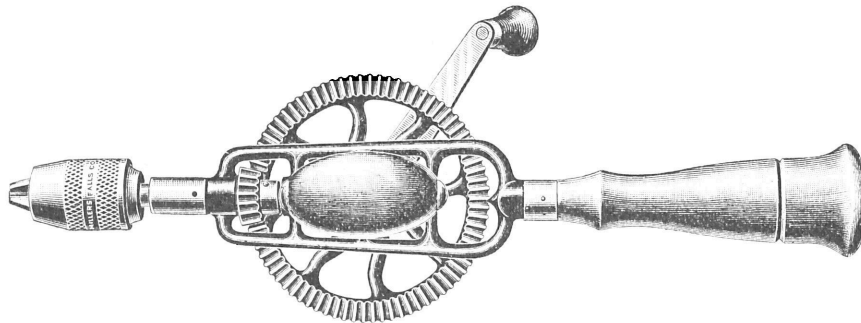
Hand Drills

No. 4—Japanned Iron, with Brass Chuck and six drill points of various sizes, complete each \$0 65



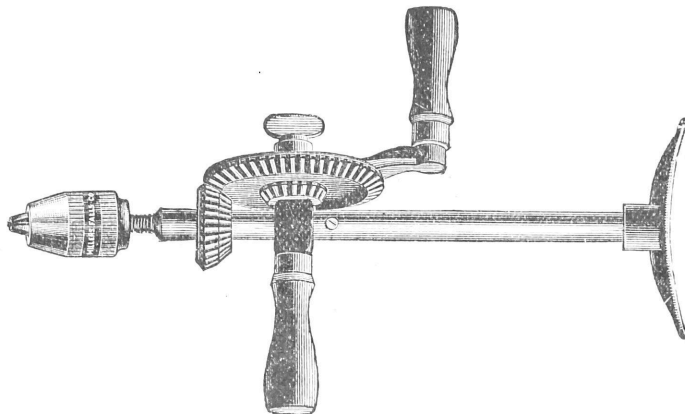
No. 1—Single Gear, Nickel-Plated and Japanned Stock, Hollow Rosewood Handle containing six drill points. Will hold drills from $\frac{1}{32}$ to $\frac{1}{2}$ inch. A side handle as shown in cut, is furnished with this drill .. each \$1 60

No. 5—Same as No. 1 excepting that it has double gear, also has a wide rim gear to be grasped between thumb and fingers when drill is used for delicate work. Length over all $11\frac{1}{2}$ inches, weight 20 oz., complete with 8 fluted points, each \$1 90

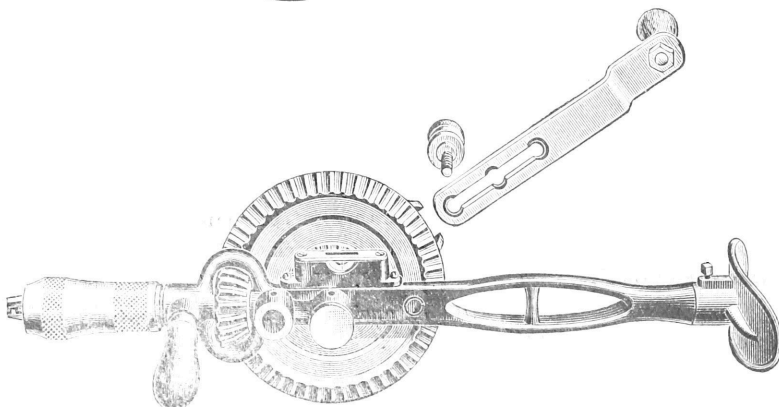


No. 2—Nickel-Plated and Japanned Stock, Hollow Rosewood Handle. It has cut gears and an adjustable friction roll to prevent gears from springing out of engagement. The chuck holds from 0 to 17-64 complete with 8 fluted points. Each \$3 15

Ball Bearing.



Breast Drills
No. 11—Nickel-Plated Stock and Chuck, Cocobola Handles. Chuck has three jaws for round shanks and will centre quite accurately. It holds from 0 to 17-64 .. each \$3 75

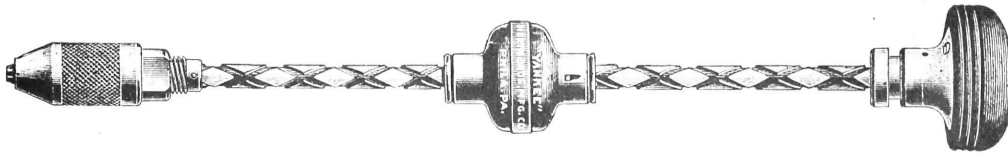


Ball Bearing.

No. 12—Changeable Gear from even to speeded about 3 to 1. Drive wheel 5 inches in diameter. Gears are out from solid metal and run almost absolutely perfect. A roller is placed at back of drive gear which makes it equally as firm and substantial as a double geared drill. Crank is adjustable to three different lengths. Jaws will hold either round or square shanks. They hold from 5-64 up .. each \$3 15

WRITE US FOR ANYTHING YOU NEED AND DO NOT SEE CATALOGUED.

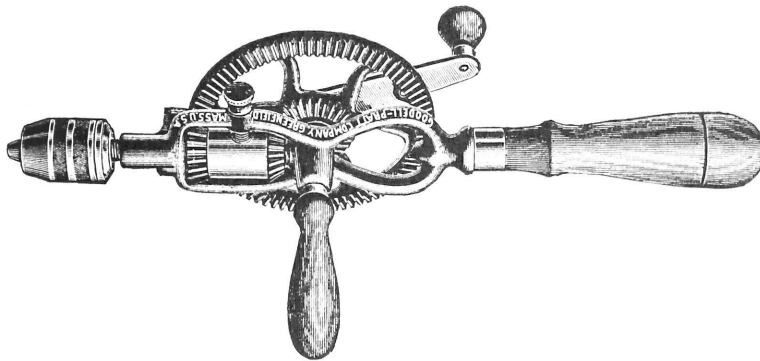
"Yankee" Reciprocating Drill, No. 50



The Traverse or movement of the driver is $8\frac{1}{2}$ inches. Entire length of tool, without drill is 16 inches.....each \$2 60

Goodell Hand Drill, No. 5 1/2

This Drill embraces features never before used upon tools of this character, and is unquestionably the finest ever produced. It has Double Gears, Two Speeds and a Chuck, with capacity to $\frac{3}{8}$ inch, as noted below.



FRAME.—Malleable Iron, Japanned.

HANDLE.—Polished Cocobola, Screw Cap.

GEARS.—Cut Teeth.

SPEEDS.—It has Two Speeds, changed by turning the nut on the frame marked "F" and "S."

CHUCK.—Three Jawed; capacity 0 to $\frac{3}{8}$ inch. It has Knurled Nut, Nickel Plated, well made and accurate.

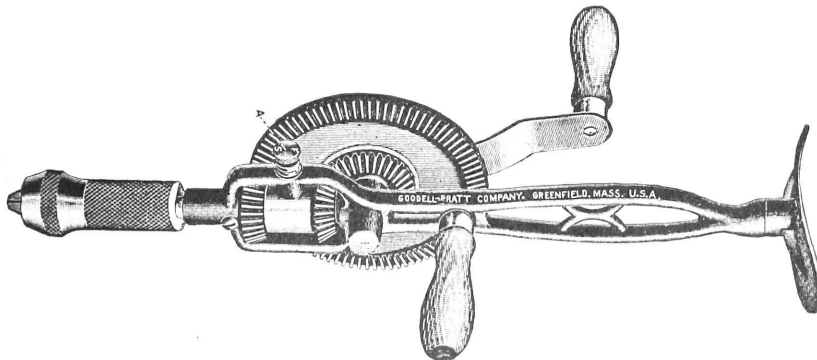
Spindle runs in a hardened steel cone bearing.

No Drill Points are furnished with this tool.

Price.....each \$3 50

Goodell Breast Drill, No. 07

FOR SQUARE SHANKS

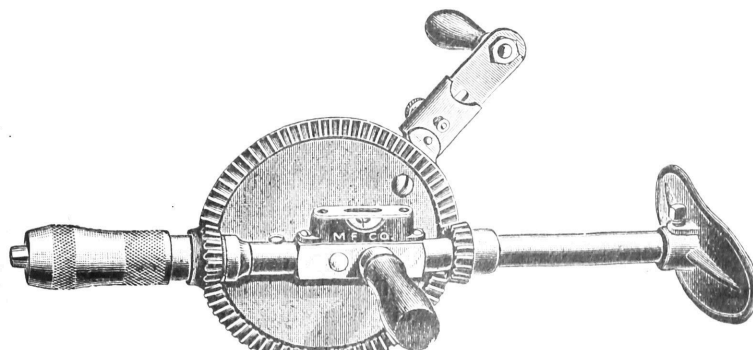


The Chuck of this tool is intended to hold square shanks only; no extra Jaws are furnished with it.

The construction is on the order of a regular Bit Brace Chuck.

We wish to call particular attention to the fact that this tool has cut Gears, two Speeds, Adjustable Breast Plate, in fact, is in every way identical with our other styles, except in the matter of the Chuck.

Price.....each \$3 25

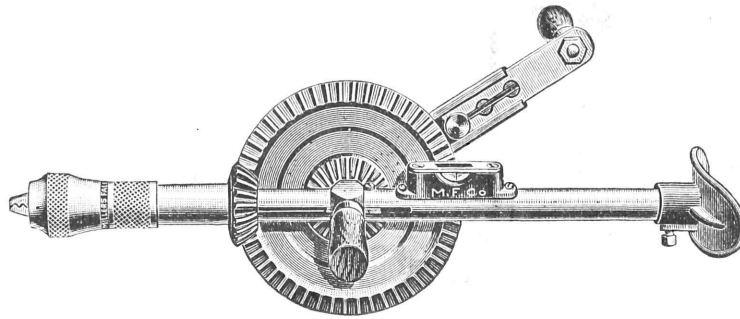


Breast Drills, No. 13

Double Geared, has a six inch drive wheel, giving speed at $4\frac{1}{2}$ to 1. The gears are cut, the handles Cocobola and the stock and chuck nickel-plated. Has level attachment and extension crankeach \$5 00

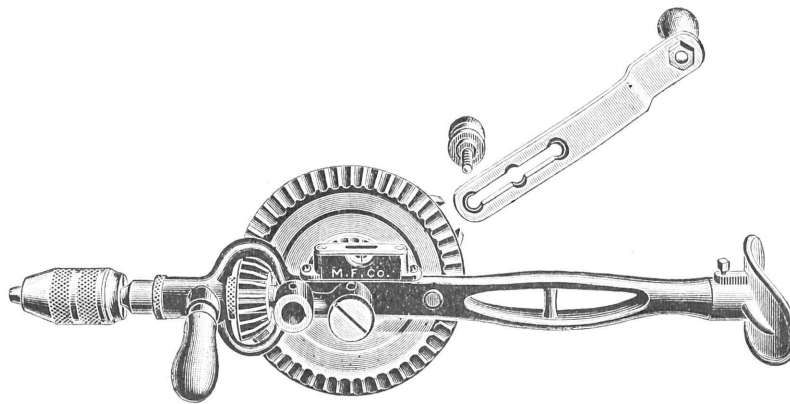
Ball Bearing.

QUALITY FIRST—THEN PRICE—IS OUR MOTTO.

Breast Drill No. 10

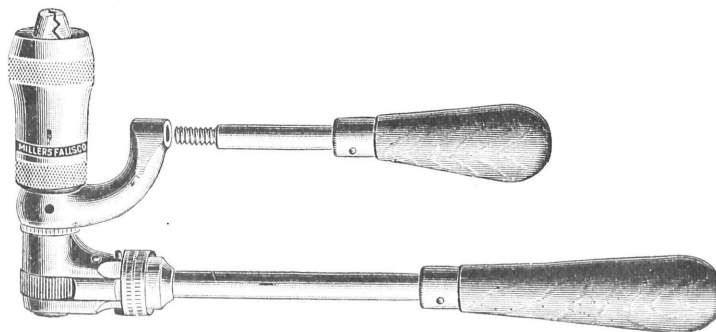
With ball bearings, nickel-plated stock and chuck, Cocobola handles, extension crank, alligator jaws, which hold both round and square shanks, and a patent level attachment to enable the operator to see when the tool is held true. The gears are cut and are changeable from even to speeded 3 to 1.

Price, each..... \$3 75

Breast Drill No. 18

Excepting in the chuck, No. 18 Breast Drill is same in pattern and finish as our No. 12 described on page 72. The Chuck is arranged with three jaws for round shanked points (only) from $\frac{1}{8}$ to $\frac{1}{2}$ inch inclusive. It will centre accurately.

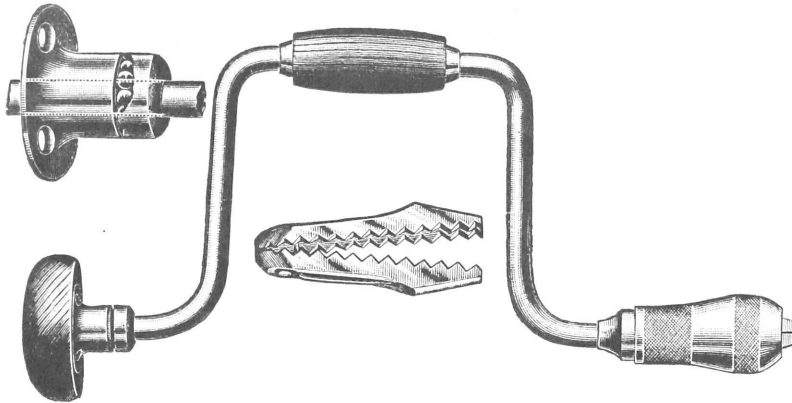
Price each \$4 40

Corner Ratchet Borer No. 140

This cut depicts this tool very clearly. It is designed to be used in corners between joists and in other unusual places where a brace cannot conveniently be employed. The long handle works the tool while the shorter one is designed for steadying it. The teeth on the ratchet wheel are cut very fine to admit of a short bite. The iron and steel work is handsomely polished and plated and the Ash handles stained to imitate Cocobola. Plumbers and electricians as well as woodworkers will appreciate this tool.

Price each \$2 00

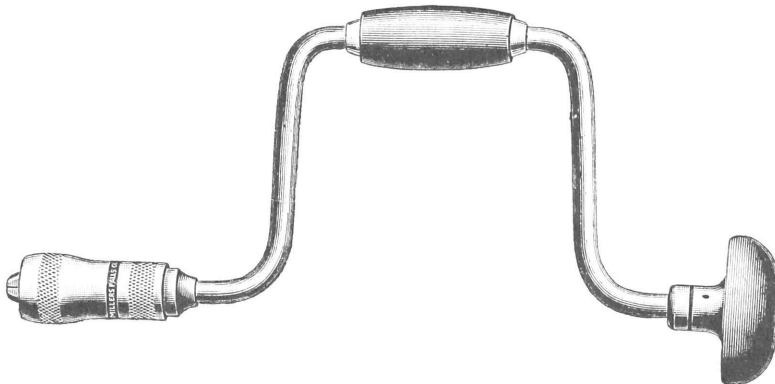
OUR GOODS ARE FOR THE MAN WHO WANTS THE BEST.



Barber Improved Braces

Ball Bearing, Forged Steel Jaws, Steel Sweep, Heavily Nickel-Plated. First-class in every way. We recommend this brace to those wanting a first-class article.

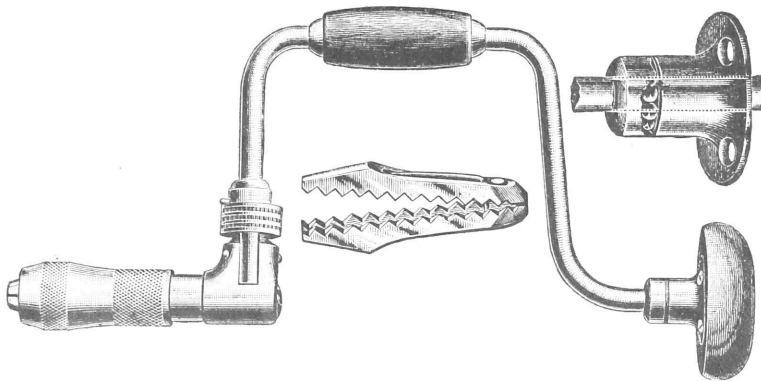
No. 11—12 inch sweep	..	each	\$1 70
" 12—10 "	..	"	1 55
" 13— 8 "	..	"	1 40
" 14— 6 "	..	"	1 20



Barber Improved Ratchet Braces

Same quality and finish as above brace.

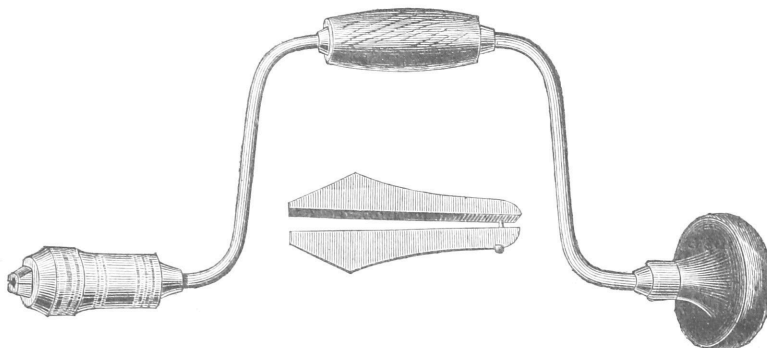
No. 31—12 inch sweep	..	each	\$2 25
" 32—10 "	..	"	2 05
" 33— 8 "	..	"	1 90
" 34— 6 "	..	"	1 70



Barber Improved Patent Brace

Forged Steel Jaws, Steel Sweep, Polished, Imitation Cocobola Head and Revolving Handle.

No. 22—10 inch sweep	..	each	\$0 60
" 23— 8 "	..	"	50
" 122—10 "	Ratchet	"	1 20
" 123— 8 "	"	"	1 10

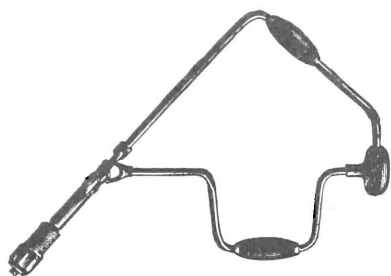


Barber Improved Patent Brace

Forged Steel Jaws, Steel Sweep, Unpolished, Imitation Cocobola Head and Revolving Handle.

No. 72—10 inch sweep	..	each	\$0 50
" 73— 8 "	..	"	45
" 82—10 "	Ratchet	"	1 00
" 83— 8 "	"	"	95

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

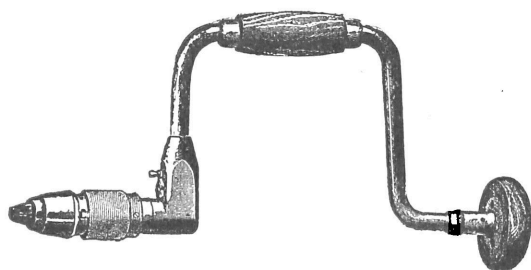
**Corner Brace**

No. 786—8 in. sweep, full Nickel-Plated, Walnut Head and Handles, each \$3 35
 “ 786—10 in. “ “ “ “ “ “ “ “ 3 60

Universal Joint, made of Steel, carefully Case Hardened, Nickel-Plated.

Goodell-Hay Ratchet Brace

With Quick-Action Chuck.



Forged Steel Sweep and Jaws, Malleable Iron Socket and Shell, Adjustable Cocobola Handle and Lignum-Vitæ Head, Full Polished and Nickel-Plated.

Ball Bearing Head.

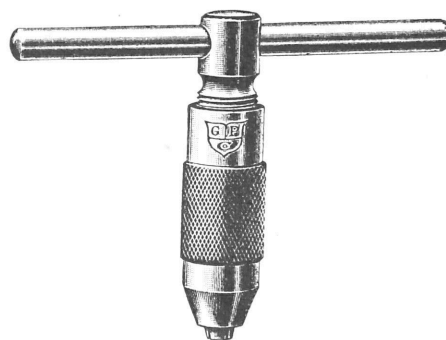
This Brace is fitted with the Hay Patent Quick-Action Chuck, requiring only one-half a turn to either tighten or loosen the same, no matter what the size of the bit shank may be.

All mechanics will appreciate the saving of time this feature will afford them.

Price.....each \$2 75

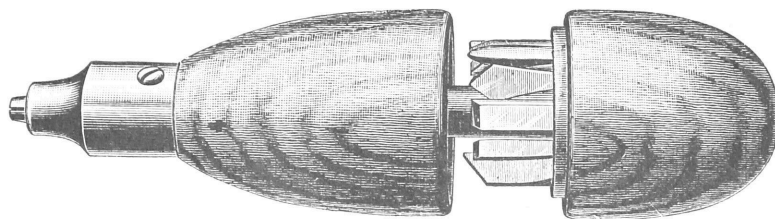
Goodell Tool or Tap Holder

No. 88.



This tool will be found very convenient for holding small Drills or Taps where occasion requires the use of any like or similar Holder. The Jaws are hardened and tempered to a spring temper. The Nut is extra long and Knurled as shown in cut.

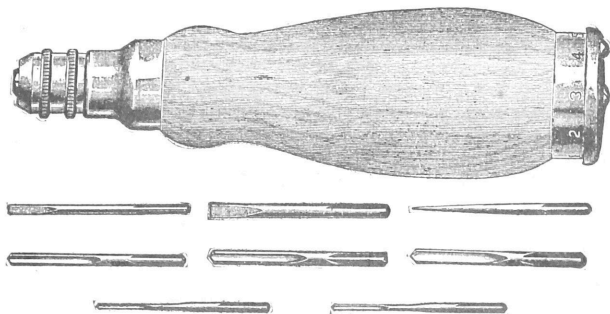
Price.....each \$0 60

Tool Set, No. 6

The handle is made of Cocobola wood, and as shown in the cut is arranged with cells for the assortment of twelve tools. The tools are made from best quality of steel, and will give satisfaction.

Length of handle $4\frac{3}{4}$ inches, weight 6 ounces.

Price.....each \$1 00

**Turret Head Tool Set, No. 10**

Cut shows handle full size.

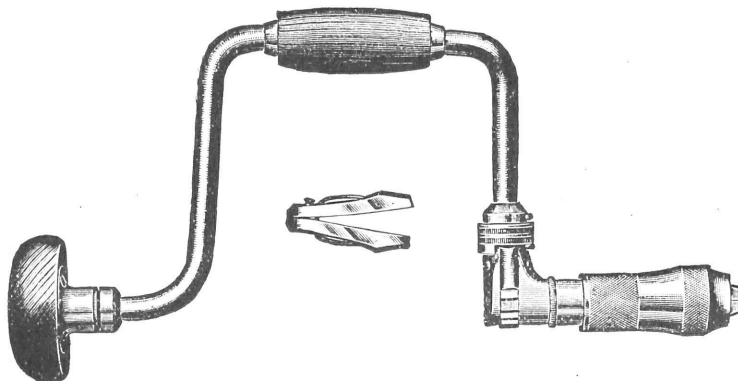
The five Fluted Awls will be found vastly superior to the old-fashioned kind, as the liability of their splitting the work when in use is reduced to a minimum. The two Screw-Driver Blades are of different sizes, and the Scratch Awl will be found oftentimes useful. They are made from drill wire, and are carefully tempered. The handle is made of polished hardwood, and all mountings are nickel-plated.

Priceeach \$0 80

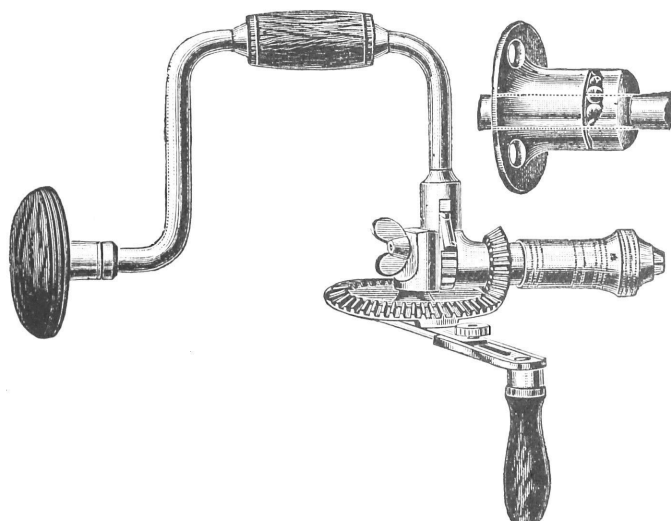
HEADQUARTERS FOR BUILDERS' HARDWARE.

Barber Braces

These are the same grade of Braces as our Nos. 22/23 and 122/123 with the exception that they are nickeled. This finish gives them the appearance of much higher priced goods than we charge for them. We know of no Braces of so good quality and appearance which sell at such low prices as we offer.

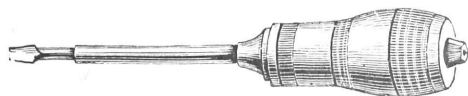
**PRICES**

No. 222 Plain	10 inch	.....	each	\$0 80
" 223 "	8 "	.....	"	70
" 322 Ratchet	10 "	.....	"	1 50
" 323 "	8 "	.....	"	1 40

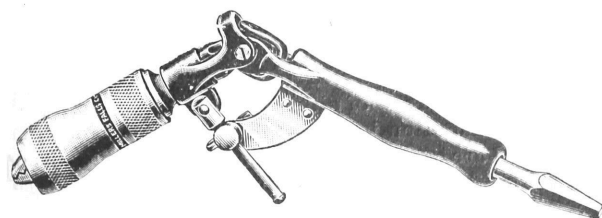
**Drill Brace with Ball Bearings**

Holds Round Shank Twist Drills $\frac{1}{8}$ to $\frac{1}{4}$ inch, also square shank Bits and Drills. Can be used as an ordinary Ratchet Bit Brace, or as a Breast Drill. The Brace has a 10 inch sweep. The Drill can be attached or detached in a moments time.

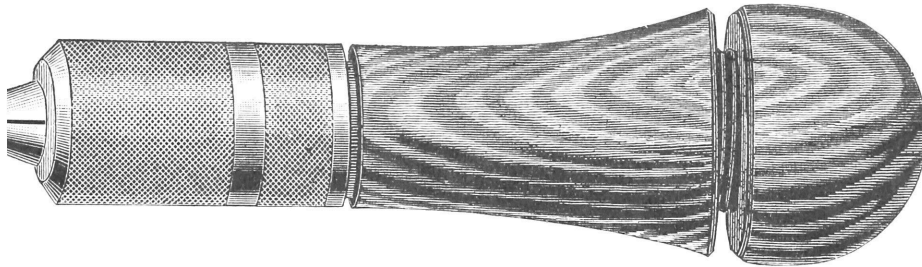
Each..... \$3 40

**Barber Extension Bit Holder No. 1**

All lengths 12, 15, 18, 21 and 24 inches.....each \$1 05

**Patent Universal Angular Bit Stock**

Each..... \$1 70

Tool Holder

No.	1 —6 inches long, Cocobola Handle, highly polished, containing 20 tools..	..	..	each \$1 35
"	4 —6½ " " " " 11 " ..	..	..	" 1 35
"	5 —7½ " " " " 11 " ..	..	..	" 1 90
"	160 —Applewood Handle, Nickel-Plated, Thumb Nut and Grip, containing 10 tools ..	..	..	" 40
"	161 —Cocobola " " " " 10 " ..	..	..	" 50
"	61 " " Superior " " " 10 " ..	..	..	" 60

All Tools are made of Superior Cast Steel.

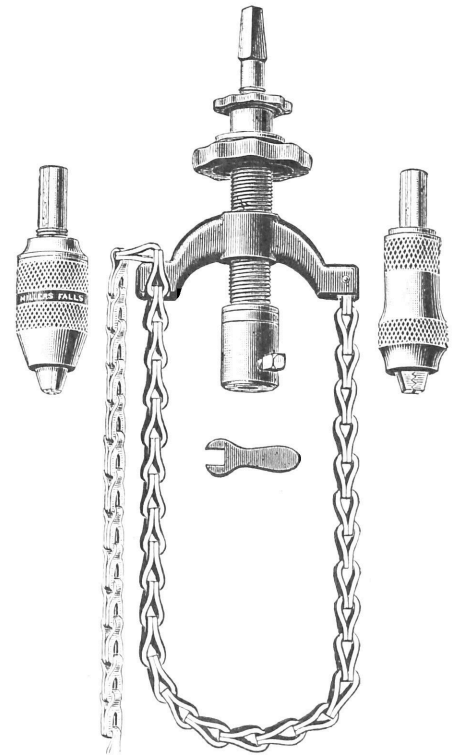
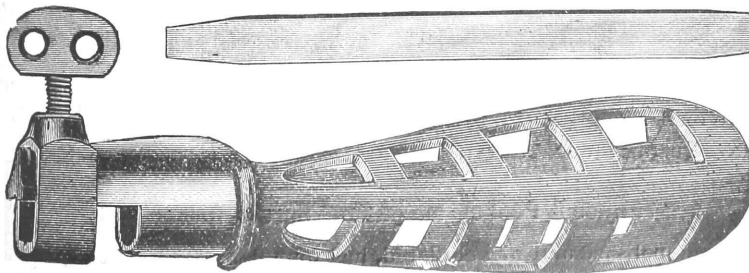
The Awls and Tools are contained in the receptacle in the handle.

Millers Falls Chain Drill

This Drill can be fed automatically or with a hand feed at the option of the operator. The automatic feed is self-regulating, according to the size of the drill, feeding very rapidly or slowly as may be desired. The frame is japanned with polished socket. Made in three styles :

No. 17 —Chain Drill with plain socket ; ½ inch hole with set screw	each \$1 75
No. 18 —As above, provided with Barber Chuck for holding square Bit Shanks	each \$3 00
No. 19 —Same as No. 17, provided with Three-jawed Chuck for holding Round Shanks from 0 to ½ inch	each \$5 00

Packed one in a box.

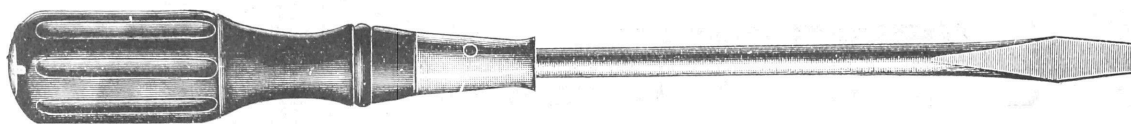
**Universal Handle**

This Malleable Iron Handle is five inches long and has a Japan finish. Weight of handle, five ounces. It is strong, durable, and will hold perfectly, files of all sizes and shape, tangs from a 14-inch mill file to the smallest size in use. It will hold equally well twist drills, gimlets, screw-drivers and all tools with shanks less than ¾ of

an inch square, round or flat. It will also answer most of the purposes of a hand vise.

Price of Handle only	each 15 cents
" " with first quality Screw-driver as shown in cut.. .. .	" 25 "

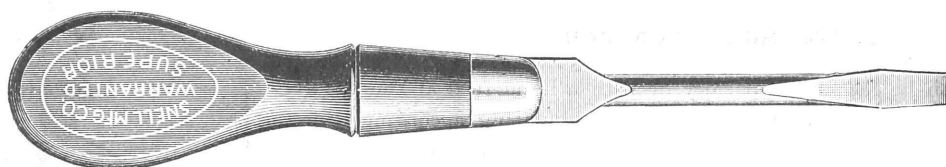
SEND US A TRIAL ORDER

Screw Drivers**The Hurwood, Forged from Toughest Steel.**

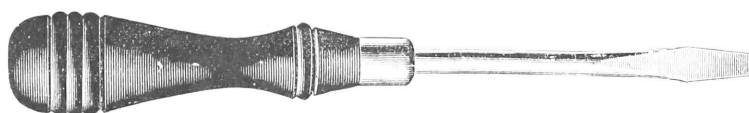
Length of Blade	....	....	....	....	....	3	4	5	6	8	10 inches.
Price	....	....	....	....	each	20	25	30	35	45	65 cents.

The Hurwood Cabinet Screw Driver**Has Lighter Handles and Slender Blades.**

Length of Blade	....	....	....	2½	3½	4½	5½	6½	8½	10½ inches.
Price	....	....	each	20	20	25	30	35	45	65 cents.

Snell's Screw Drivers, No. 20**Black Handle, Nickel-Plated Capped Ferrule. Best Forged Cast Steel Blade.**

Length of Blade				3	4	5	6	7	8	10 inches	
Price				each	10	12	15	17	20	23	35 cents.

Leader Screw Driver**Black Handle, Nickel-Plated Ferrule. Best Forged Cast Steel Blade.**

Length of Blade	....	....	....	....	3	4	5	6	7	8 inches.
Diameter	....	....	....	....	1/16	1/8	1/4	5/16	3/8	1/2 "
Price	....	....	....	each	10	12	14	15	18	21 cents.

The Pet Screw Driver**Fluted Handies, Flat Blades—for Gun and Lockwork, etc.**

Blades two inches long—Nos. 1, 2, 3.

The numbers indicate different widths of Blade, No. 1 being the narrowest. Price each \$0 12

"Yankee" Pocket Magazine Screw Driver

No. 60—Steel, polished and nickel-plated, has four detachable blades, of varying widths and thicknesses to suit different size screws. The blades are kept in magazine formed by handle $\frac{1}{8}$ inch diameter and 3 inches long when closed, and weighs 2 ounces.

Each \$0 70

WE SELL THE "ENTERPRISE" AND GEM FOOD CHOPPERS.

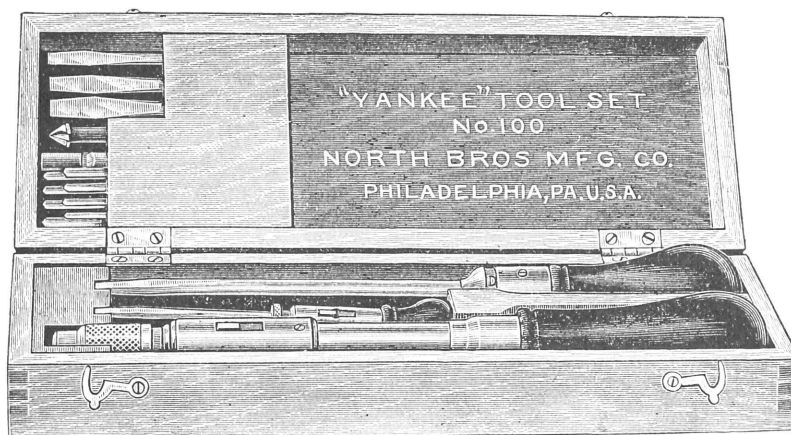
"Yankee" Ratchet Screw Driver No. 12

RIGHT AND LEFT HAND AND RIGID



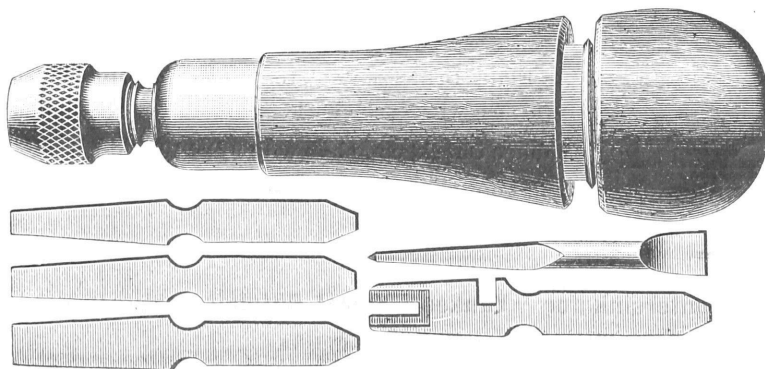
Made in one size only ; Blade $\frac{1}{8}$ diameter, $1\frac{1}{2}$ long, entire length of Screw Driver $5\frac{3}{4}$ inches. Made for special use of Gunsmiths, Fitters, Electricians and Mechanics requiring a strong substantial screwdriver with a short steel blade.

Price, each \$0 60

"Yankee" Tool Set No. 100

The box which is substantially made of oak, handsomely finished, contains one each of the following "Yankee" tools: No. 30 Spiral Ratchet Screw Driver, Chuck with drill points, 8 sizes, $\frac{1}{16}$, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{8}$, $1\frac{1}{4}$ inch to use for drilling holes with the No. 30 Screw Driver. Countersink to use in same tool. No. 11x6 in. Ratchet Screw Driver. No. 15x3 in. Ratchet Screw Driver.

Price per set \$4 75

"A very Handy Outfit."**Not How Cheap, but How Good for the Price.****Handy Screw Driver No. 49**

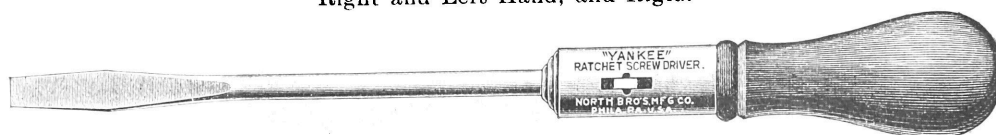
We herewith illustrate a very convenient Magazine Screw Driver. The handle is made from stained maple with nickel-plated chuck. Equipped with three sizes of best steel Blades, one combination Bicycle Nipple Screw Driver and Wrench, one Square Reamer. Length of handle only $4\frac{3}{4}$ inches, length of blades $2\frac{1}{4}$ inches, whole length with blade in position 6 inches,

Price..... each \$0 70

WE CARRY A GOOD STOCK OF BUILDERS' HARDWARE.

"Yankee" Ratchet Screw Driver, No. 11

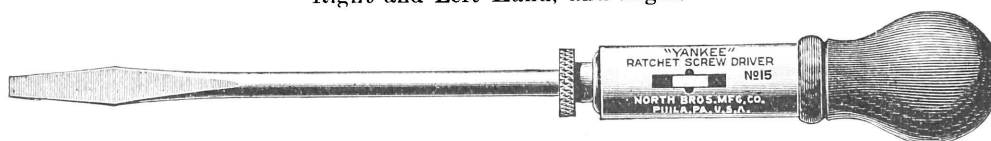
Right and Left Hand, and Rigid.



Length of Blade	2	3	4	5	6	8	10 inches.
Price	35	45	50	55	60	70	80 cents.

"Yankee" Ratchet Screw Driver, No. 15

Right and Left Hand, and Rigid.



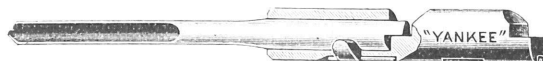
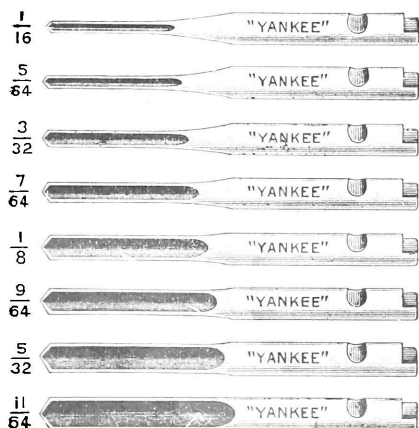
Length of Blade	2	3	4	5 inches.
Price	45	50	55	60 cents.

"Yankee" Spiral Ratchet Screw Driver, No. 30

Right and Left Hand, and Rigid.



No. 30—Extreme length with Bit when closed 13½ inches, when open 19¼ inches. Three Bits are included with each tool. Priceeach \$1 60

**"Yankee" Chuck, with Drill Points**

For use in No. 30 "Yankee" Spiral Ratchet Screw Driver.

Eight Drill Points $\frac{1}{16}$ to $\frac{11}{16}$ inch inclusive, as shown in illustration, are furnished with each chuck.

Yankee Chuck, complete with 8 Drill Points65 cents.

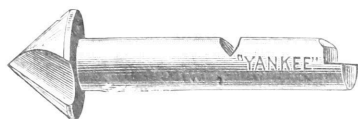
Drill Points, per dozen, 80 centseach 8 "

Countersink for "Yankee" Spiral Ratchet Screw Driver

For Nos. 30 and 31.

This tool is made of superior tool steel and can be used in either hard or soft woods. It is put in tool in same manner as the bits.

For No. 30 and No. 20, size 2, shank is $\frac{9}{32}$ inch diameter.....each \$0 15
 " 31 " 20, " 3, " $\frac{1}{16}$ " " " 15



GET OUR PRICES ON MANTELS.

"Yankee" Spiral Ratchet Screw Driver No. 31

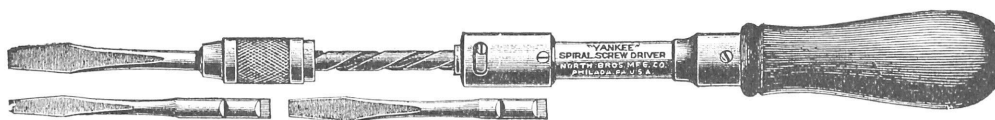
This tool is of the same design as No. 30, but is made considerably heavier and stronger throughout for use in shops where heavy screws are required to be driven or drawn. The spindle, nuts, bits and handle are all larger and of heavier construction than in No. 30. Three bits of different widths are included with each tool. The extreme length of tool with bit in chuck is $17\frac{1}{2}$ inches when closed and $26\frac{1}{4}$ inches when extended.

Price each..... \$2 20

Countersink and drill points as shown on page 80 are made to fit No. 31.

"Yankee" Spiral Ratchet Screw Driver No. 20

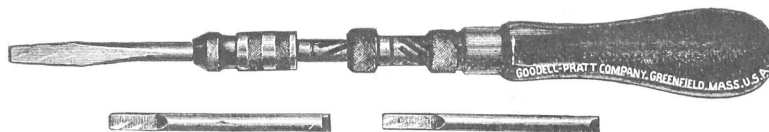
RIGHT HAND ONLY AND RIGID



This tool is made in three sizes, viz :

No. 20—	Size 1,	extreme length extended, including bit,	14 in.,	Length of push or stroke,	4 in.....	each	\$1 15
20—	" 2,	" " " " " " " " " "	17 in.,	" " " " " " " " " "	5 in.....	"	1 30
20—	" 3,	" " " " " " " " " "	19 in.,	" " " " " " " " " "	6 in.	"	1 45

Three bits are furnished with each tool. Packed one only in a strong paper box.

Goodell Reversible Automatic Interchangeable Screw Driver No. 22

This is the simplest, the most compact, the strongest, and in every way the most practical tool for both driving and drawing screws automatically, yet produced. It has two separate and distinct spirals, each working entirely independent of the other.

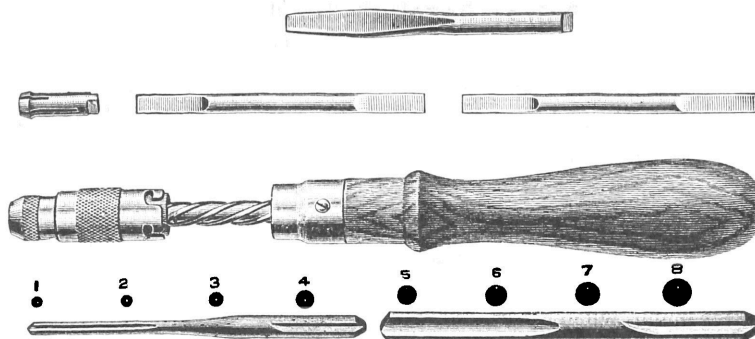
Price each..... \$1 75

Bicycle Nipple Blades

We can furnish a special blade to fit the above Screw Driver, slotted to fit bicycle nipples.

Price each..... \$0 20

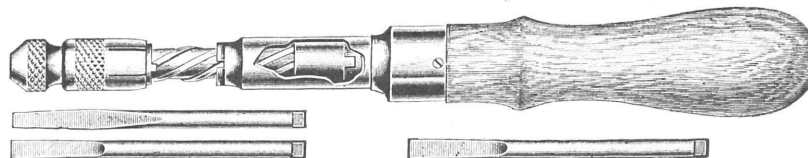
SEE OUR DISPLAY OF ANDIRONS, COAL HODS, GAS LOGS, ETC., IN OUR MANTEL DEPT.

Automatic Screw Drivers, Nos. 11 and 12

This tool is much like others of the same class, but it is more highly finished and better made than any heretofore put on the market. It has one addition, which is nearly indispensable for satisfactory work, that is, a patent revolving sleeve which the left hand grasps when the tool is working. While this sleeve is a great advantage in driving screws, it also enables the tool to be used as an automatic drill. The only additional expense is for the drill points. There is also a locking device which prevents the screw-driver from falling out of engagement when held perpendicular. All the metal parts are highly polished and heavily nickel-plated. The handle is of Cocobola. Full length extended, 17 inches. The three screw driver bits which go with each tool are 4 inches long and made to fit screws of varying sizes.

Price of No. 11, without Drill Points, but with 3 screw driver bits	..	..	..	each \$1 55
" " 12, with 8 " " and 3 screw driver bits	..	..	..	" 2 25

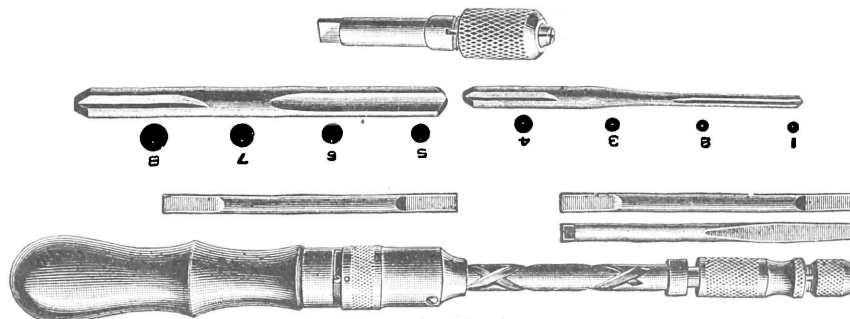
Packed one in a box.

Automatic Screw Driver, No. 20.

This Automatic Screw Driver possesses not only the merit of doing all that any other Automatic Screw Driver will do as a Plain, Ratchet, or Automatic Screw Driver, but also the advantage of being made with a cast interchangeable metal nut (as shown where cut away in the accompanying illustration), which can easily be replaced at a small cost if in the course of time it should become worn.

These Screw Drivers are very durable, as well as elegant in appearance, being made of the best material throughout and highly finished.

Length No. 20, closed, 9½ inches ; extended 13 inches	..	..	..	each \$1 15
---	----	----	----	-------------

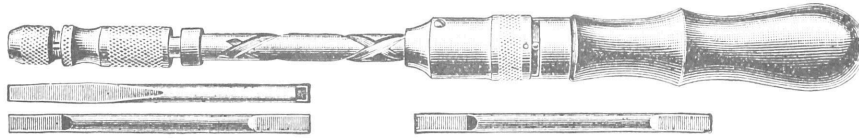
In and Out Screw Driver, No. 42

Screw Driver No. 42, is same in every particular as No. 41, now so favorably known in the market, but has in addition a Set of 8 Drill Points and a Chuck to hold them, as illustrated above.

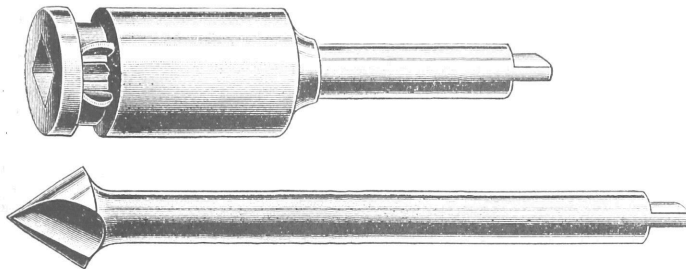
By the use of these extras the Driver can instantly be converted into a Wood Boring Tool which will be found most satisfactory.

Price ..	..	..	..	..	..	..	..	each \$2 40
----------	----	----	----	----	----	----	----	-------------

WE DO A LARGE MAIL ORDER BUSINESS. ARE YOU ON OUR LIST?

Reversible Spiral Screw Driver

No. 41—Reversible by turning shell near handle shifting the movement from right to left or *vice versa*. By turning the shell half way it locks the spiral so that it can be used as an ordinary driver, and at different lengths. Three bits with each tool, two of them double end, giving five points in all. Length when open 17½ inches, closed 11½ inches. Price each.....\$1 75

**Socket and Countersink**

These cuts represent Socket and Countersink which are intended for use in connection with Screw Driver No. 41. The socket takes ordinary Bit Shanks such as are on Twist Drills, Gimlets, Auger Bits, etc., and will be found a very convenient attachment.

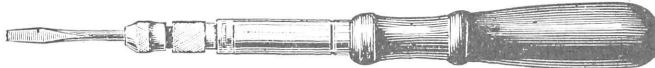
Price of Countersink.....each 30 cents
 " Socket..... " 30 "

Howard-Allard Spiral Screw Drivers

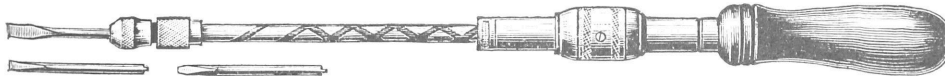
This Cut Shows Spiral Extended—Length without Bit, No. A1, 16½ in.; No. A2, 11 in.

No. A1—Large size, ea..\$1 35

" **A2**—Small " " 1 15



This Cut Shows Spiral Closed—Length without Bit, No. A1, 10½ in.; No. A2, 7¼ in.

Jones Reversible Spiral Screw Drivers

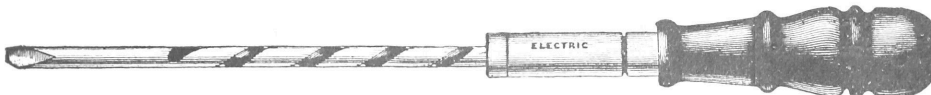
This Cut Shows Spiral Extended—Length without Bit, No. 1, 16¾ in.; No. 2, 15 in.

No. 1—Large size, ea.\$2 00

" **2**—Small " " 1 75

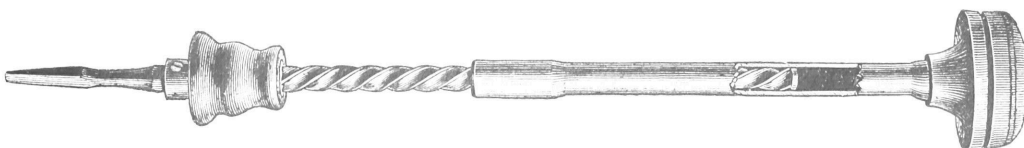


This Cut Shows Spiral Closed—Length without Bit, No. 1, 11¼ in.; No. 2, 10 in.

Electric Spiral

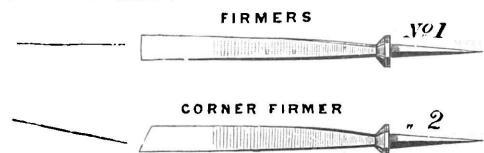
No. 01—Large size, ea..\$0 85

" **02**—Small " " 70

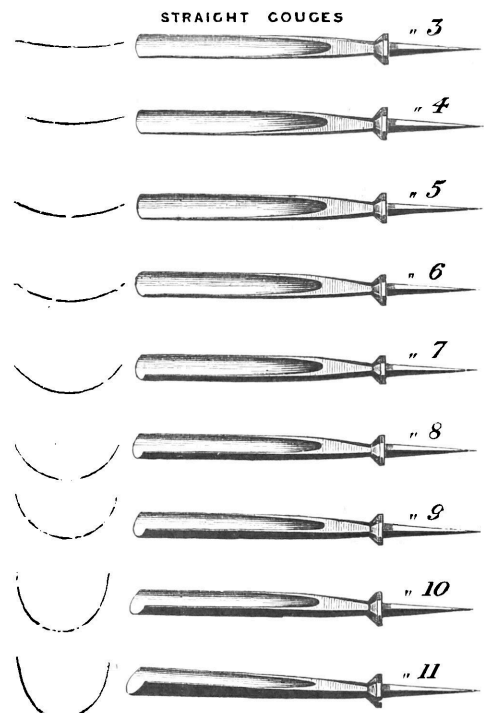
Reid's Lightning Brace

No. 1—Length when closed 15½ inches, with one bit.....each \$2 00
 " **2**— " " " 12 " " three bits..... " 1 75

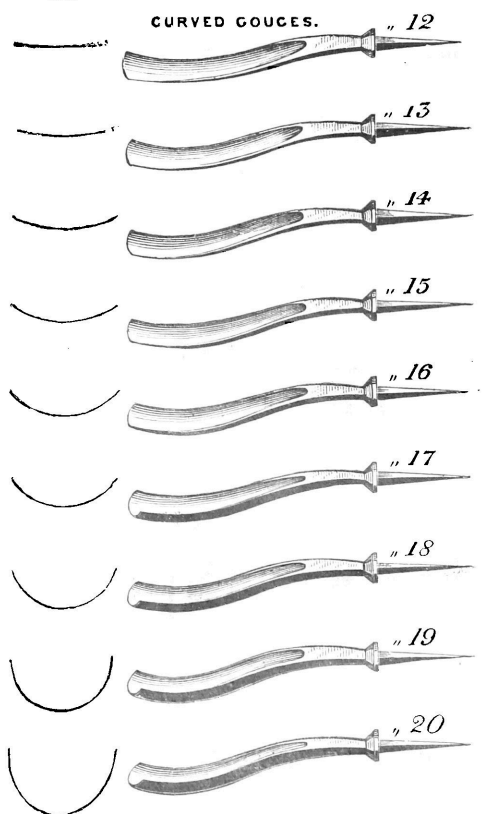
MAIL ORDERS RECEIVE PROMPT AND CAREFUL ATTENTION.

**S. J. Addis' Carving Tools**

Up to	..	..	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 inch
Each	..	..	20	24	27	29 cents



Up to	..	..	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 inch
Each	..	..	24	28	31	33 cents

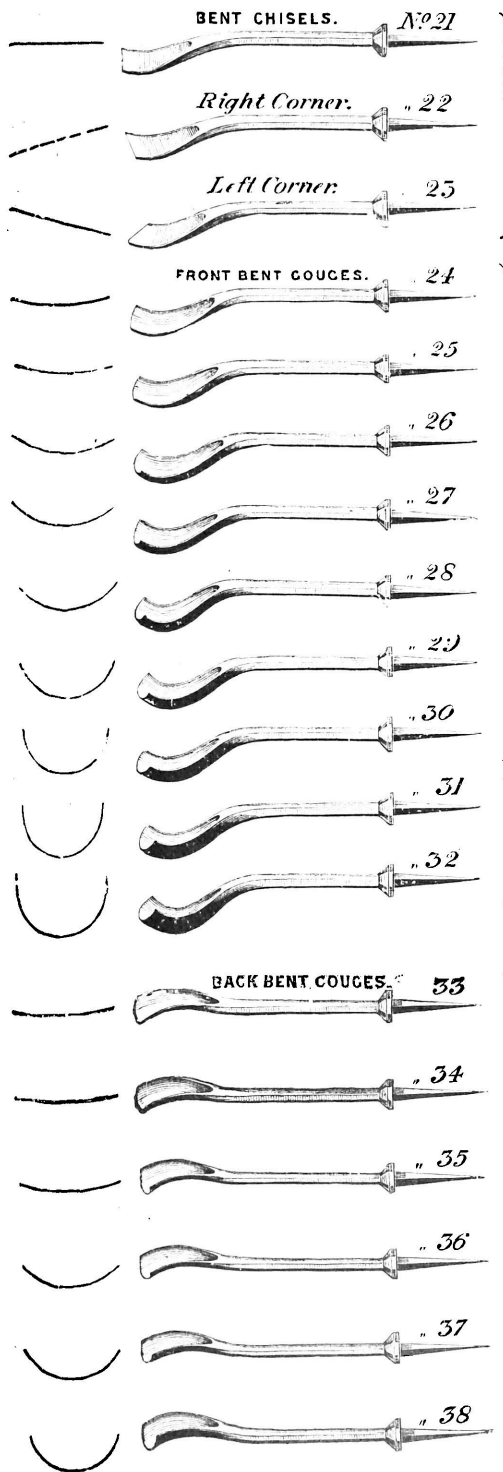


Up to	..	..	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 inch
Each	..	..	27	30	40	47 cents

Up to	..	..	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 inch
Each	..	..	29	32	44	50 cents

Up to	..	..	$\frac{1}{2}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 inch
Each	..	..	29	35	35	44	50	60 cents

BE SURE YOU SEND SUFFICIENT POSTAGE FOR GOODS
GOING BY MAIL

**S. J. Addis' Carving Tools**

Up to.. .. .	$\frac{3}{4}$	$\frac{7}{8}$	1 inch.
Each	25	35	44 cents.

Up to	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{7}{8}$	1 inch.
Each	29	32	44	50 cents.

Up to	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 inch.
Each	29	35	44	50	60 cents.

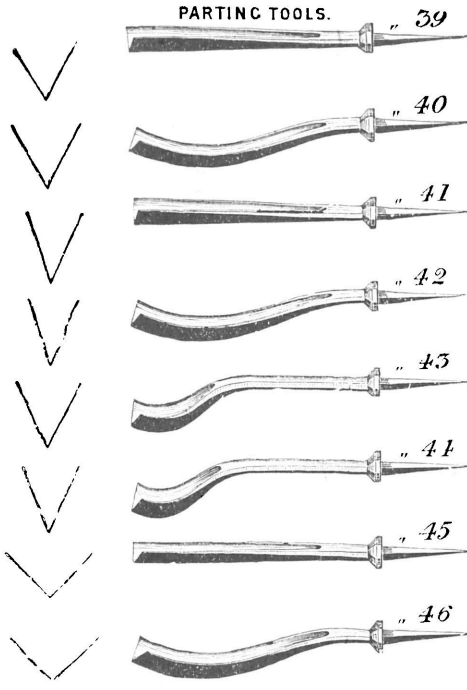
Up to	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{7}{8}$	1 inch.
Each	29	32	44	50 cents.

Carvers' Punches

No. 58—Assorted variety of patterns each 25 cents.

MONEY REFUNDED IF GOODS ARE NOT AS REPRESENTED.

PARTING TOOLS.



S. J. Addis' Carving Tools

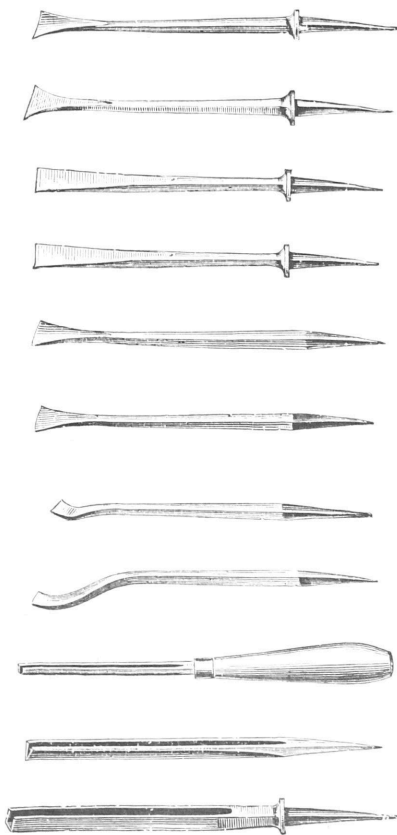
Up to...	..	..	..	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$ inch.
Each....	..	..	..	35	44	55 cents.
Up to...	..	..	..	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$ inch.
Each....	..	..	..	39	47	58 cents.
Up to...	..	..	..	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$ inch.
Each....	..	..	..	35	44	55 cents.

Up to...	..	..	..	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$ inch.
Each..	..	..	..	39	47	58 cents

NOTE :—

Nos. 39, 40, 43 are measured across the top.

" 41, 42, 44, 45, 46 are measured along the side.



Fish Tail Spade Couge

No. 47—Up to $\frac{1}{2}$ each 25 cents.

Fish Tail Spade Chisel

No. 48—Up to $\frac{1}{2}$ " 22 cents.

Long Pod Spade Couge

No. 49—Up to $\frac{1}{2}$ " 25 cents.

Long Pod Spade Chisel

No. 50—Up to $\frac{1}{2}$ " 22 cents.

Unshouldered Chip Couge

No. 51—Up to $\frac{1}{2}$ " 16 cents.

Unshouldered Chip Chisel

No. 52—Up to $\frac{1}{2}$ " 15 cents.No. 52 $\frac{1}{2}$ —Bent Back Ground Tool, same price.

Unshouldered Chip Chisel, Bent

No. 53—Up to $\frac{1}{2}$ " 16 cents.

Unshouldered Chip Couge, Bent

No. 54—Up to $\frac{1}{2}$ " 17 cents.

Unshouldered Chip Veining Tool, Handled

No. 55—Up to $\frac{1}{16}$ " 18 cents.

Unshouldered Parting Tool

No. 56—Up to $\frac{1}{2}$ " 18 cents.

Macaroni Tool, Straight

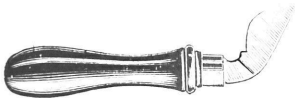
No. 342—Up to $\frac{1}{2}$ " 47 cents.

ADDIS' CARVING TOOLS ARE THE BEST.



Macaroni Tool, Bent

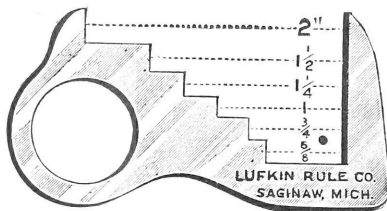
No. 343—Up to $\frac{1}{2}$ inch each \$0 52



London Carving Knife

No. 59—Handled each \$0 25

Lumber Gauge

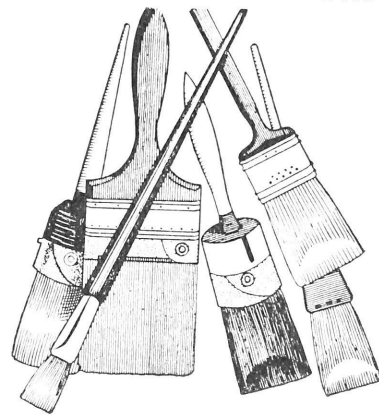


No. 00—Nickel-Plated, $\frac{3}{8}$ to 2 inch .. each \$0 45
 " 0 " 1 to 2 " .. " 45

**A good Tool is worth all it costs,
 A poor one is dear at any price.
 You can afford to buy a good tool,
 You can't afford to buy a poor one.**

WE SELL GOOD TOOLS

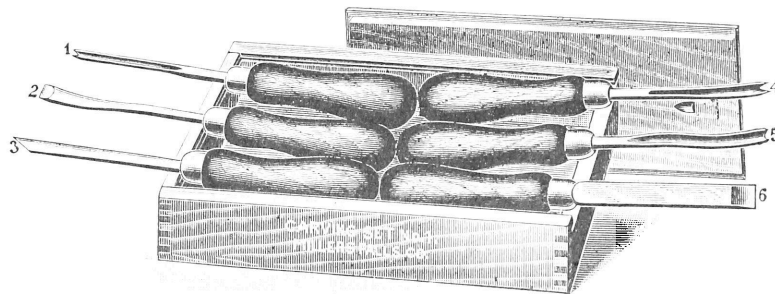
Paint and Varnish Brushes



Made of the best quality of Stock throughout. A standard weight, length and quality of stock for each grade of brush.

See our samples and get our prices before buying elsewhere.

Millers Falls Carving Tools in Sets



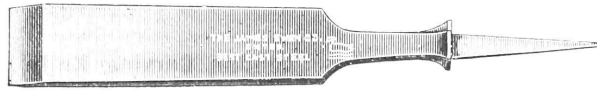
These Tools are forged from best quality steel and are fully warranted. They have Cocobola Handles and are sharpened ready for use.

No. 1—Six Tools in wooden box per set \$1 35
 " 2 " " " " " " " " " " " 2 00

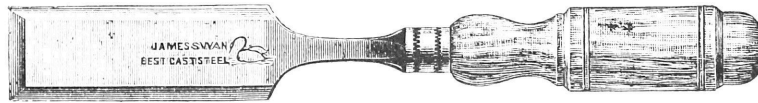
Addis' Carving Tools in Sets

No. 80—Containing 12 Tools, Round Beech Handles in Wooden Box per set \$4 40
 " 81 " 7 " " " " " " " " " " 2 60
 " 84 " 12 " Fancy " " Cardboard Box " 4 90
 " 87 " 12 Chip Carving Tools, Beech Handles, in Cardboard Box " 3 00

WE SELL PAINTS, OILS, AND VARNISH.

Robt. Sorby & Sons, Edge Tools**Cast Steel Tanged Firmer Chisels**

Size	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inch.			
Price....each	10	10	10	11	11	12	13	14	15	17	18	25	31	38	45 cents.
In sets of 9 Chisels (containing	$\frac{1}{8}, \frac{1}{4}, \frac{3}{8}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}, 1, 1\frac{1}{4}, 1\frac{1}{2}$ inch).....												per set	\$1 35	
“ 12 “ (“	$\frac{1}{8}, \frac{1}{4}, \frac{3}{8}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}, 1, 1\frac{1}{4}, 1\frac{1}{2}, 1\frac{3}{4}, 2$ inch).....												“	2 25	

Cast Steel Tanged Firmer Chisels, Bevel Edge

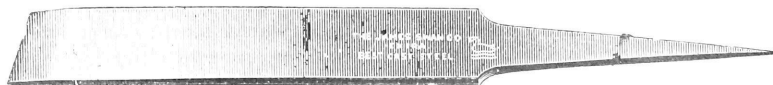
Size.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inch.			
Price....each	19	19	19	20	20	22	22	23	25	26	27	39	44	56	63 cents
In sets of 9 Chisels (containing $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$ inch)	per set \$2 15														
“ 12 “ (“ $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, 2 inch)	“ 3 45														

Cast Steel Long Thin Paring Chisels

Size.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inch.	
Price....each	17	17	17	18	20	22	24	26	32	43	52	61	76 cents.
In sets of 9 Chisels, (containing	per set \$2 25												
" 12 " ("	" 3 70												

Cast Steel Long Thin Paring Chisels, Bevel Edge

Size.....	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inch.	
Price....each	31	31	31	32	34	35	36	40	45	63	72	88	\$1 03
In sets of 9 Chisels (containing	per set \$3 40												
" 12 " ("	" 5 50												

Cast Steel Turning Chisels

Size.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inch.
Price....each	14	15	17	18	21	23	26	34	42	51	60 cents.

Long Strong Cast Steel Turning Chisels

The 1 inch Chisel has about 8 inch blade.

Size.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inch.
Price... each	27	27	30	36	48	54	59	68	86	\$1 08	\$1 26

Prices given above do not include handles.

SORBY'S CHISELS ARE UNSURPASSED FOR QUALITY.

Robt. Sorby & Sons, Edge Tools.



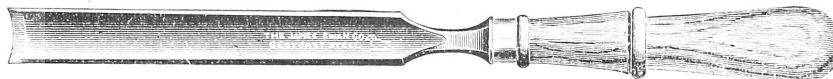
Cast Steel Firmer Gouges, Outside Ground

Size.....	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inch
Price.....each	13	13	13	14	14	15	16	17	18	20	22	30	36	44	54 cents
In sets of 9 Gouges (containing $\frac{1}{8}, \frac{3}{16}, \frac{1}{4}, \frac{5}{16}, \frac{3}{8}, \frac{7}{16}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}, 1, 1\frac{1}{4}, 1\frac{1}{2}$ inch)	 per set \$1 65														
" 12 " (" $\frac{1}{8}, \frac{3}{16}, \frac{1}{4}, \frac{5}{16}, \frac{3}{8}, \frac{7}{16}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}, 1, 1\frac{1}{4}, 1\frac{1}{2}, 1\frac{3}{4}, 2$ inch)	 2 70														

Cast Steel Firmer Gouges, Inside Ground

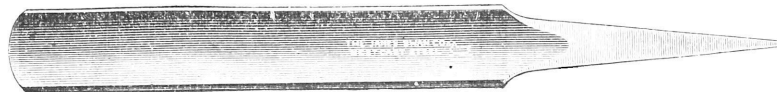
Size.....	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2 inch
Price.....each	14	14	14	15	15	16	17	18	19	21	23	32	38	cents

Cast Steel Long Thin Paring Gouges



Size.....	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inch
Price.....each	29	29	29	29	31	34	36	38	44	57	66	80	94	cents
In sets of 9 Gouges (containing $\frac{1}{8}, \frac{3}{16}, \frac{1}{4}, \frac{5}{16}, \frac{3}{8}, \frac{7}{16}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}, 1, 1\frac{1}{4}, 1\frac{1}{2}$ inch)	 per set \$3 20													
“ 12 “ (“ $\frac{1}{8}, \frac{3}{16}, \frac{1}{4}, \frac{5}{16}, \frac{3}{8}, \frac{7}{16}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}, 1, 1\frac{1}{4}, 1\frac{1}{2}, 1\frac{3}{4}, 2$ inch)	 5 10													

Cast Steel Turning Gouges

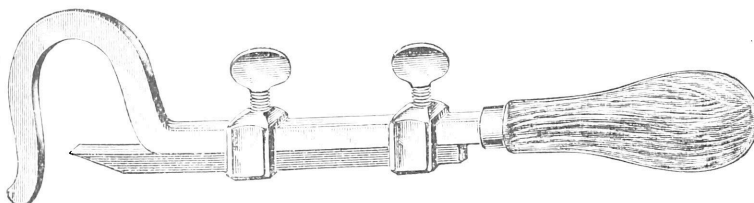


Size.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inch
Price.....each	18	20	23	25	28	32	36	47	61	72	88 cents

Long Strong Cast Steel Turning Gouges

The 1 inch Gouge has about $8\frac{1}{2}$ inch blade.

Size.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inch
Price.....each	35	36	43	47	53	62	67	80	94	\$1 13	\$1 24

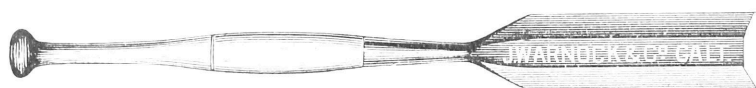


Wood Turners' Sizers

WITH TWO CLAMP SCREWS.

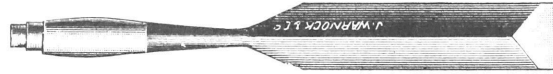
No. 2930—With 3 inch capacityeach \$1 75
Extra Cutters for above " 50

Carpenters' Sawks



Socket or T, size	.....	.....	.....	.....	$2\frac{1}{2}$	3	$3\frac{1}{2}$ inches
Price.....each	.....	.....	.....	.....	\$1 60	1 75	2 10

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Socket Framing Chisels, Handled

9 inch Blade.

Size.....	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2 inch.
Price.....each	42	42	42	45	48	52	55	62	69	76	83 cents

Socket Firmer Chisels, Handled

6 inch Blade.

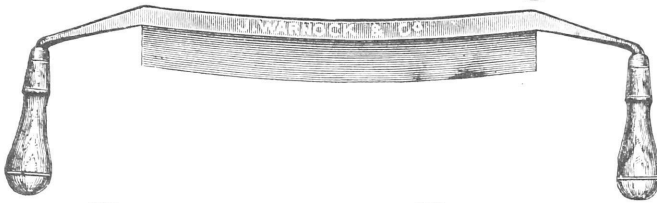
Size.....	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2 inch.
Price.....each	28	28	28	31	35	40	40	45	50	53	55	60 cents.
In sets of 8 Chisels (containing	$\frac{1}{4}, \frac{3}{8}, \frac{1}{2}, \frac{3}{4}, 1, 1\frac{1}{4}, 1\frac{1}{2}, 2$ inch)	per set \$2 85										
“ 10 “ (“	$\frac{1}{2}, \frac{3}{4}, \frac{1}{2}, \frac{3}{8}, 1, 1\frac{1}{4}, 1\frac{1}{2}, 2$ inch)	“ 3 40										
“ 12 “ (“	$\frac{1}{4}, \frac{3}{8}, \frac{1}{2}, \frac{3}{4}, \frac{5}{8}, 1, 1\frac{1}{4}, 1\frac{1}{2}, 1\frac{3}{4}, 2$ inch)	“ 4 65										

Socket Firmer Chisels, Bevel Edge

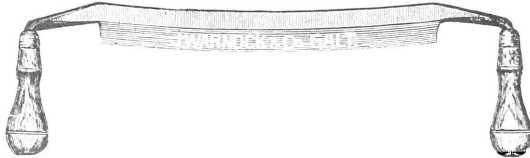
Size.....	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2 inch.
Price.....each	38	38	38	41	45	48	48	52	55	58	62	65 cents.
In sets of 8 Chisels (containing	$\frac{1}{4}, \frac{3}{8}, \frac{1}{2}, \frac{3}{4}, 1, 1\frac{1}{4}, 1\frac{1}{2}, 2$ inch)	per set \$3 60										
“ 10 “ (“	$\frac{1}{2}, \frac{3}{4}, \frac{1}{2}, \frac{3}{8}, 1, 1\frac{1}{4}, 1\frac{1}{2}, 2$ inch)	“ 4 35										
“ 12 “ (“	$\frac{1}{4}, \frac{3}{8}, \frac{1}{2}, \frac{3}{4}, \frac{5}{8}, 1, 1\frac{1}{4}, 1\frac{1}{2}, 1\frac{3}{4}, 2$ inch)	“ 5 60										

**Carpenter's Draw Knives, Razor Blade**

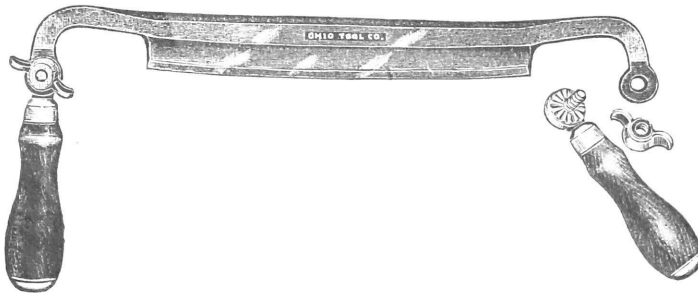
Size.....	6	7	8	9	10	12 inches.
Each.....	60	65	70	75	80	85 cents.

**Wagon Draw Knives**

Size.....	8	9	10	12 inches.
Each.....	\$1 15	1 20	1 25	1 50

**Narrow Coach Knives**

Size	6	7	8	9	10 inches.
Each	65	65	70	75	\$1 00

**Folding Draw Knives**

Size.....	7 inch.	8 inch.
Each	\$2 00	2 25

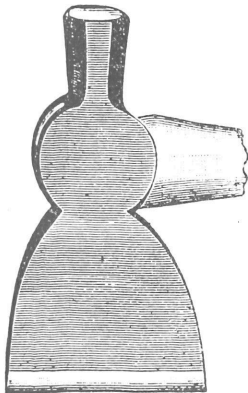
SELECT YOUR TOOLS FROM THIS CATALOGUE, AND YOU WILL HAVE THE BEST.

UNDERHILL
★
BOSTON

Chicago Pattern, weight with handle about 17 ounces, size of head 1½ inch square.. ..each \$2 25

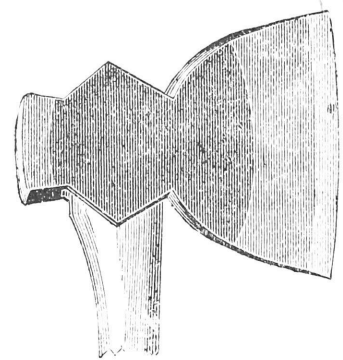
St. Paul Pattern, same shape as Chicago Pattern, weight with handle 19 ounces, size of head 1 $\frac{3}{4}$ inch square.each 2 50

No. 20—Star "Underhill".... .. 1 00



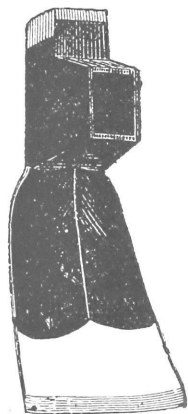
Warnock & Co.'s Hatchets

No. 17 —Shingle	each	\$0 70
“ 18 —Claw	“	75



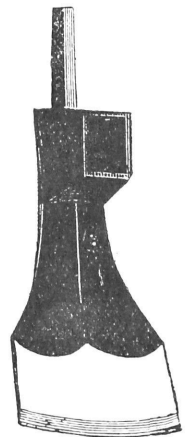
Warnock & Co.'s Bench Axes

No's..	..	..	..	3	4	5	6
Size...	..	..	..	5	5½	6	6¾ in. cut
Each..	..	.	..	\$0 80	0 90	1 00	1 10



Carpenters' Adzes

Star. Steel Poll..	..	..	..	..	..	..	each \$1 50
No. 1, Extra ² Cast Steel, 4½ to 4½ inch cut....	.	.	.	.	.	.	" 1 75



Ship Carpenters' Adzes

No. 33 —Extra Cast Steel, plain..	..	..	..	..	..	each \$1 90
“ 34 — “ “ “ lipped.	..	..	..	..	..	“ 2 15

[illegible]

OUR GOODS ARE ALL OF A STANDARD QUALITY

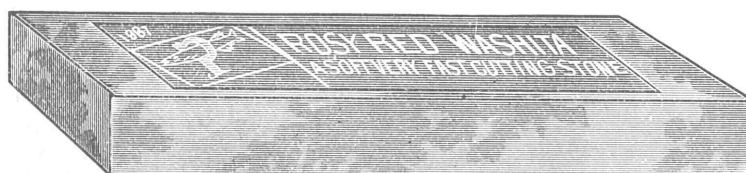
Oil Stones



Lily White Washita

Perfectly white, of uniform texture, free from foreign substances, and perfect in finish. It is the most satisfactory oilstone ever produced for carpenters' and general wood workers' tools.

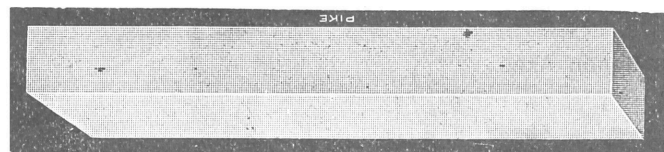
In varying sizes, 6 to 8 inches long, 2 inches wide, $\frac{3}{4}$ to $1\frac{1}{2}$ inches thick, varying in weight from 1 to $1\frac{1}{2}$ pounds, per pound.... ..\$0 55



Rosy Red Washita

Streaked with a dull red color, has an even porous grit, somewhat coarser than the Lily White. Has quick sharpening qualities.

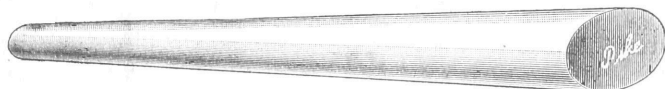
In varying sizes, 6 to 8 inches long, 2 inches wide, $\frac{3}{4}$ to $1\frac{1}{2}$ inches thick, varying in weight from 1 to $1\frac{1}{2}$ pounds, per pound.... ..\$0 55



Arkansas Oil Stone

The finest of all oil stones. Used for sharpening very fine tools, such as engravers, watchmakers, surgeons, dentists, etc.

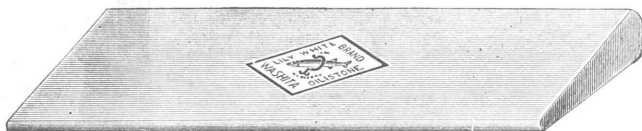
In lengths from 3 to 5 inches, $\frac{3}{4}$ to 1 inch thick, per pound.. ..each \$1 35



sharpening bevelled gouges, moulding planes, bits, etc.

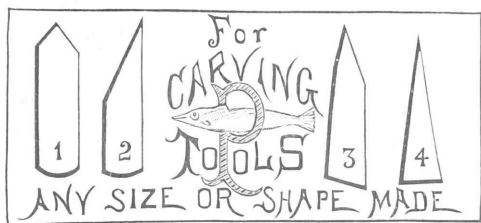
Washita Plugs

About one inch in diameter at large end and tapering to $\frac{1}{4}$ inch at small end, especially adapted for sharpening bevelled gouges, moulding planes, bits, etc. Price.. ..each \$0 45



Round End Slips

Washita No. 1, according to size...from 10c to 30c each
Lily White " " " " 12c to 40c "
Arkansas " " " " 25c to 50c "



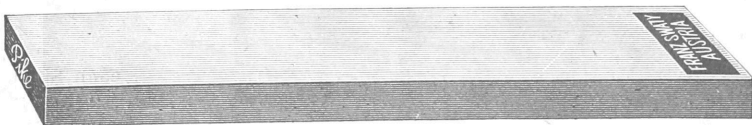
Carving Tool Slips

Per set of 4 pieces.. ..\$1 00
Each set packed in a paper box.



Razor Hones

Size...	6	7	8 inch.
Fine...	\$0 45	0 70	1 30 each.
Superfine ..	55	90	1 80 "
Extra Choice ..	70	1 15	2 25 "



Swaty Hones

Manufactured by Franz Swaty, Austria

5 inch.. ..each \$0 75
8 " " " " " " 1 25

WE CARRY A LARGE STOCK OF CUTLERY. WRITE FOR CATALOGUE.

India Oil Stones

The India Stone possesses the remarkable feature of being the hardest and at the same time the fastest cutting of all oilstones.

No. 1	—	Medium,	size	8 x 1 $\frac{3}{4}$ x 1 $\frac{1}{2}$	..	each	\$1 25
"	1 $\frac{1}{2}$	—	"	"	7 x 2 x 1	..	" 1 00
"	2	—	"	"	6 x 1 $\frac{1}{2}$ x $\frac{3}{4}$	..	" 75
"	1 $\frac{1}{2}$	—	Fine	"	7 x 2 x 1	..	" 1 50
"	2	—	"	"	6 x 1 $\frac{1}{2}$ x $\frac{3}{4}$	..	" 1 00

India Round Edge Slips

No. 13	—	Round Edge, Oil Slip,	size	4 $\frac{1}{2}$ x 1 $\frac{3}{4}$ x $\frac{1}{2}$ x $\frac{3}{16}$	inches...	Each	\$0 40
"	14	—	"	"	4 $\frac{1}{2}$ x 1 $\frac{3}{4}$ x $\frac{1}{2}$ x $\frac{1}{16}$	"	 40
"	15	—	"	"	4 $\frac{1}{2}$ x 1 $\frac{3}{4}$ x $\frac{1}{2}$ x $\frac{1}{16}$	"	 40

Emery and Corundum Stones

This stone will be found particularly useful on account of the difference in the grit of the two sides.

No. 1	—	8 x 2 x 1 inches	.....	each	\$0 45
"	2	—	7 x 2 x 1	"	40
"	3	—	6 x 2 x $\frac{3}{4}$	"	35
"	4	—	4 x 1 $\frac{1}{2}$ x $\frac{1}{2}$	"	20

Green Mountain Scythe Stone

This Stone is very sharp gritted.

Priceeach 5 cents

Sun Scythe Stone

This Stone is full oval, 9 $\frac{1}{2}$ inches long, coarse and soft.

Priceeach 5 cents

Pike's English Round

This Stone is of good quality. 12 inches long.

Priceeach 13 cents

Pike's Corundum and Emery Knife Sharpener or Steel

Is composed of a solid shaft of Corundum and Emery, firmly secured to handle by means of a steel rod, extending its entire length. Priceeach \$0 15

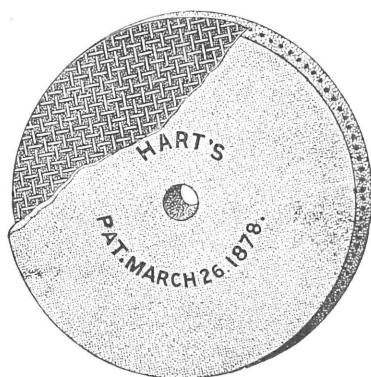
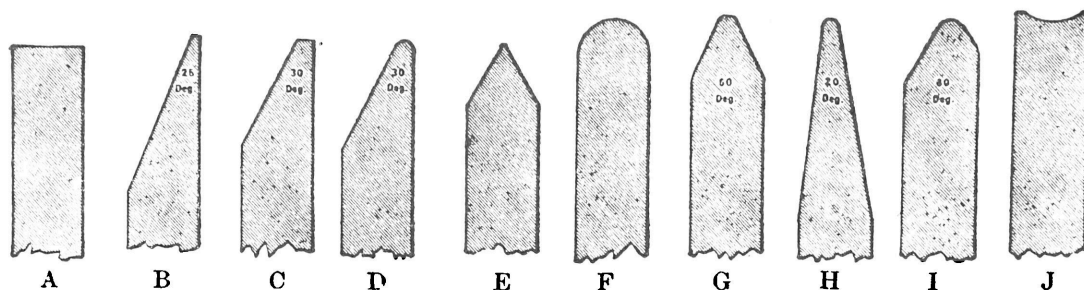
Pike's Quick-Edge Pocket Knife Hone

A sharp grit, natural stone, on hardwood handle, size 4 x 1 inches. Price.. .. .each \$0 25

WE SELL THE WELL-KNOWN WADE & BUTCHER "KEEN SHAVER" RAZOR.

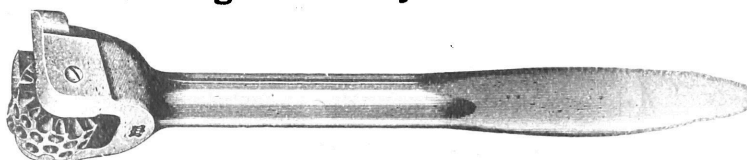
Emery Wheels

DIFFERENT SHAPES OF FACES.

**Directions for Ordering**

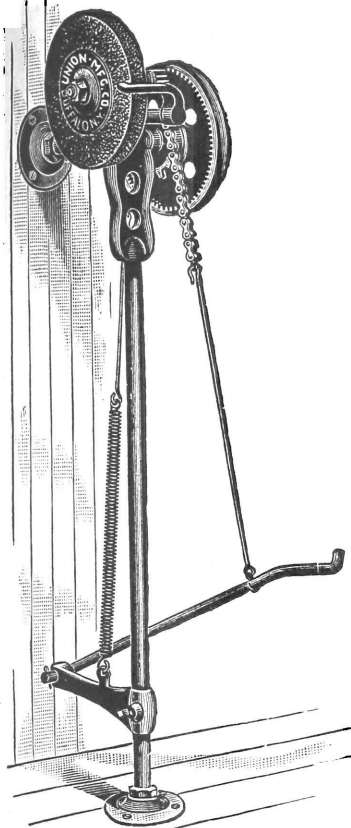
In ordering Wheels give diameter and thickness of wheel and size of mandrel hole, description of work to be done and for what use, viz:—Wrought or cast iron, steel or brass, etc. For all wheels thinner than a $\frac{1}{4}$ inch, use price of $\frac{1}{4}$ inch. Wheels of any thickness between the above dimensions, take the price of the next size thicker. Order shape of face of wheel by letter, as per cuts above.

Diam. in inches	Thickness in inches.														Revolutions pr minute.
	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	
1.....	13	15	15	17	17	18	22	24	25	29	33	38	41	47	15,000
2.....	17	22	24	25	25	29	31	33	36	38	41	47	52	52	10,000
3.....	24	31	38	41	45	52	59	65	72	79	93	1 07	1 22	1 36	7,400
4.....	36	45	52	59	63	75	86	1 00	1 09	1 22	1 39	1 61	1 75	1 96	5,450
5.....	47	56	65	75	84	1 02	1 22	1 39	1 52	1 77	1 96	2 21	2 55	2 87	4,400
6.....	65	75	82	98	1 11	1 36	1 66	1 86	2 14	2 32	2 86	2 94	3 41	3 87	3,600
7.....	86	93	1 00	1 22	1 39	1 72	2 02	2 28	2 62	2 98	3 20	3 80	4 40	5 00	3,150
8.....	97	1 09	1 22	1 39	1 61	1 96	2 30	2 71	2 71	3 07	3 78	4 49	5 21	5 92	2,750
9.....	1 16	1 30	1 39	1 66	1 82	2 21	2 70	2 75	3 16	3 57	4 39	5 21	6 03	6 85	2,450
10.....	1 39	1 50	1 63	1 86	2 14	2 61	2 75	3 23	3 71	4 19	5 15	6 12	7 08	8 04	2,200
12.....	1 61	1 70	1 79	2 14	2 46	3 03	3 21	3 82	4 55	4 99	6 20	7 40	8 65	9 80	1,850
14.....	1 73	2 11	2 57	3 02	3 02	3 80	4 58	5 37	6 15	6 94	8 50	10 07	11 64	13 21	1,600
16.....	.....	.....	.....	.....	3 87	4 89	5 90	6 92	7 93	8 91	10 98	13 00	15 04	17 07	1,400
18.....	.....	.....	.....	.....	4 73	6 06	7 40	8 74	10 07	11 41	14 08	16 75	19 43	22 10	1,250
20.....	.....	.....	.....	.....	.....	7 22	8 82	10 43	12 03	13 64	16 84	20 05	23 26	26 46	1,100
22.....	.....	.....	.....	.....	.....	8 91	11 05	13 19	15 33	17 47	21 74	26 02	30 30	34 57	1,000
24.....	.....	.....	.....	.....	.....	10 34	12 83	15 33	17 82	20 32	25 31	30 30	35 29	40 27	925
26.....	.....	.....	.....	.....	.....	.....	15 33	18 18	21 03	23 88	29 58	35 29	40 98	46 69	775
30.....	.....	.....	.....	.....	.....	.....	.....	21 73	25 66	29 58	37 41	45 26	53 10	60 94	735

Huntington's Emery Wheel Dresser

Huntington's Emery Wheel Dresser complete with cutters each 75 cents
Extra Cutters per set 20 "

MAIL ORDER CUSTOMERS RECEIVE BENEFIT OF REDUCED PRICES



UNION GRINDER No. 1

Union Grinder, No. 1

(FOOT POWER)

**Gear Driven—Milled Pinion—New Positive
Ball Clutch—Cone Bearings.**

This machine is designed for convenience and simplicity, and has a wide range of use in hardware stores, plumbing and repair shops, or where drill, tool, knife and other light grinding is required.

Height, 42 in., fitted with solid emery wheel, 6 x $\frac{3}{4}$ inch., with $\frac{5}{8}$ -inch steel shaft.

Speed 3,000 to 4,000.

Packed one in a crate measuring 46x10x7 $\frac{1}{4}$.
Shipping weight, 20 lbs.

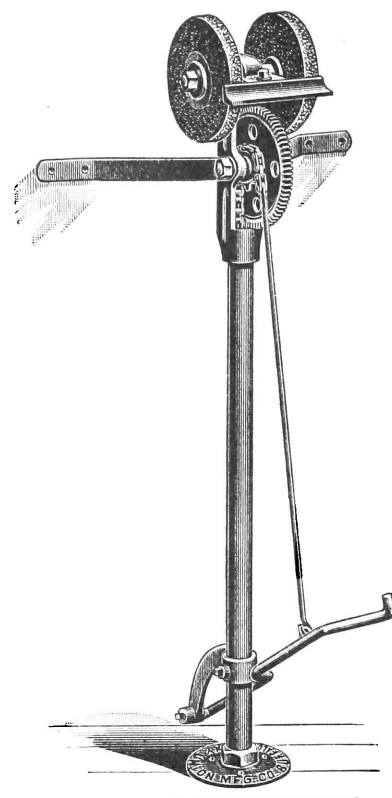
Price each \$5 50

Union Grinder, No. 2

(FOOT POWER)

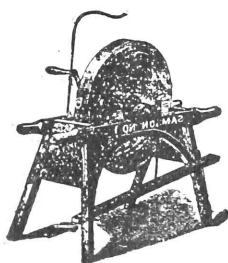
This machine is built on a new principle and is remarkably compact and easy to work. The driving parts are placed inside the tube, where they are fully protected, and action is absolutely direct and steady.

This machine can be operated either standing or with a stool. It is fitted with two emery wheels of different fineness, combining all the qualities which could be desired, and is far superior to anything heretofore



UNION GRINDER No. 2

made in its line. It occupies only a few inches of floor space and is always ready for use. Packed one in a crate measuring 48 x 10 x 7 $\frac{1}{4}$. Shipping weight, 35 lbs. Packed for export 6 in box measuring 46 $\frac{1}{2}$ x 18 $\frac{1}{2}$ x 10. Gross weight 173 lbs. Price, complete each \$7 25

Mounted Grindstones

No. 1—Stone weighs 100 to 110 lbs. Price....each \$4 50
 " **2**— " " 70 " 80 " " " 4 00
 " **3**— " " 40 " 50 " " " 3 75
 Grindstone fixtures. Price.....per set 0 45

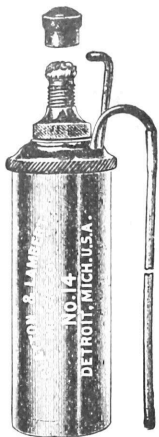
Talc Crayons for Machinists

Talc Crayons, 5x $\frac{1}{2}$ x $\frac{3}{4}$, flat .. per doz. 30 cts. Each 4 cents
 " " 5 x $\frac{1}{4}$, square. " 25 " " 3 "
 " Round Pencils, 5 inch " 15 " " 2 "

Improved Family Grindstones

This Stone is mounted in such a manner as to enable the operator to perform accurate work easily and safely.
 7 inch, complete in frameeach \$1 25
 9 " " " " 1 50

Torches

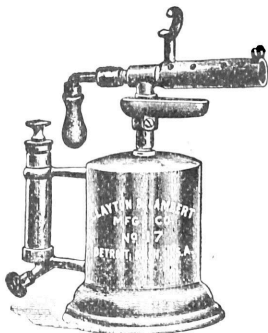


No. 14

No. 14 Burns either gasoline or alcohol. It is made on new principles by which the air blast is passed through a chamber charged with gasoline or alcohol gas, which makes a much stronger fire than can be had in any other way. When blow tube is not used the torch makes a fine candle, which the user will find valuable when working in dark places. A hook is provided so that it may be hung up. The No. 14 is $1\frac{3}{4}$ in. diameter, and $6\frac{1}{2}$ in. high. Shipping weight, 1 lb. each. Polished Brass each \$1 40

No. 12 is made on the same principle as the No. 14. Size $\frac{5}{8}$ in. diameter and 6 in. high. Shipping weight $\frac{1}{4}$ lb. each. Nickeled each \$0 90

No. 10 is a Blow pipe or Alcohol torch. The Cap screws down tight over wick when not in use, making the tank air tight, which prevents evaporation of alcohol. Size $1\frac{1}{2}$ in. diameter by 6 in. high, shipping weight 1 lb. each. Polished Brass .. each \$1 40



No. 17

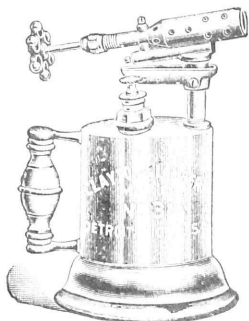
In the **No. 17** we are offering you a quart size torch having every *improvement* that *improves*. The tank is drawn out of heavy brass, free from seams, and all fittings are heavy. Reinforcements are used to make an extra strong tank. A brass air pump of the latest design forms part of the handle. The burner used is a strong generator, producing a clear, blue, blast flame, using very little gasoline. In fact, the user will soon save the cost of the torch in the saving of gasoline alone. A hook and a support is provided on the burner tube so that soldering coppers may be heated when desired. The user can do any work any other torch will do, and in addition can heat soldering irons. This point will be appreciated by the trade. The No. 17 is finely finished,

and, though strong, is light, nicely balanced, and easily handled. We warrant it to please you. Shipping weight, $5\frac{1}{4}$ lbs. each. Polished Brass each \$3 90

No. 16 Torch is exactly like No. 17, except that the burner is not fitted with hook and support for holding soldering coppers. Shipping weight, 5 lbs. each. Polished Brass each \$3 50

No. 18 is similar to No. 16, only one pint size. Shipping weight, $3\frac{1}{2}$ lbs. each. Polished Brass each \$2 90

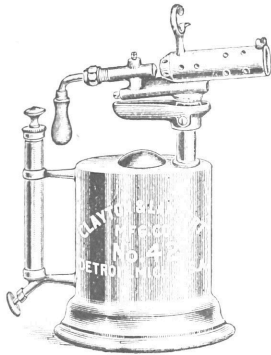
No. 19 is similar to No. 17, only one pint size. Shipping weight, $3\frac{3}{4}$ lbs. each. Polished Brass each \$3 25



No. 31

No. 31 Torch is well made, and holds one quart. The burner is a powerful generator, producing a strong blast heat. Shipping weight, 5 lbs. each. Polished Brass each \$3 90

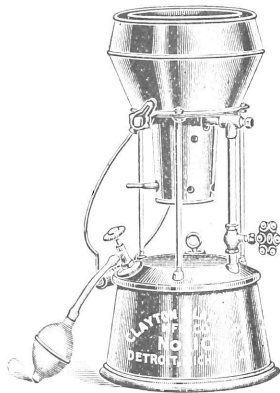
No. 32 is exactly like No. 31, except that the burner is fitted with hook and support for holding soldering coppers. Shipping weight, 5 lbs. each. Polished Brass each \$4 20



The No. 42 Torch

Is a quart size combination torch that is sure to please. The tank is drawn out of heavy brass, free from seams. The pump forms part of the handle and is fitted with best plunger rod and fittings, which make it better and more durable than other makes. The burner is a first-class generator, producing a powerful blue blast flame, using but little gasoline, and is fitted with hook and support for holding soldering coppers, which adds to its usefulness. Try a No. 42—it is sure to please. Shipping weight 5½ lbs. in polished brass. Price, each.. .. \$3 90

No. 41 is exactly like No. 42 except that the burner is not fitted with hook and support for soldering copper. Shipping weight, 5 lbs. each. Polished brass, price, each \$3 50

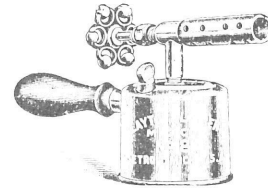


Coil Fire Pot No. 10

In offering you this Coil Fire Pot we believe we are supplying you with a much better article at as low a price as is asked for other makes.

The generator is large and powerful, producing a large volume of gas, which gives a pure blue flame that is intensely hot, and consumes less gasoline than other makes. All small or light castings are malleable iron, which makes them light and strong. The coil is made of extra heavy pipe, and the burner of steel which is prepared especially for this work.

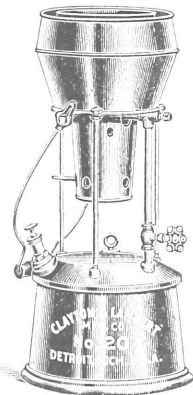
Shipping weight 13 lbs. Price each \$3 65



No. 8 Torch

This style of torch does not use a pump to generate air pressure but depends upon heat to do this. The tank is pint size, and is a solid brass casting, fitted with cast bottom which screws to place and is then brazed, and will stand an enormous pressure. It has an adjustable handle. The No. 8 is well made and nicely finished.

Polished brass, price, each.. .. \$2 90



Coil Fire Pot No. 20

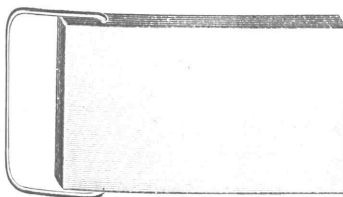
No. 20 Fire Pot is exactly like the No. 10, except that it is fitted with the latest improved brass air pump. The tank is made of heavy galvanized iron, fitted with galvanized cast iron top plate and bottom ring, making a strong durable tank.

Shipping weight 13 lbs. Price, each \$3 80

NOTE

The Clayton & Lambert Torches
are fully guaranteed.

Soapstone Foot Warmers



Soapstone Foot Warmers are great retainers of heat, and most useful in cold weather. Wrapped in common paper, they keep hot five or six hours and will not burn. Great protection and comfort on cold drives or to people suffering with cold feet. We carry in stock sizes

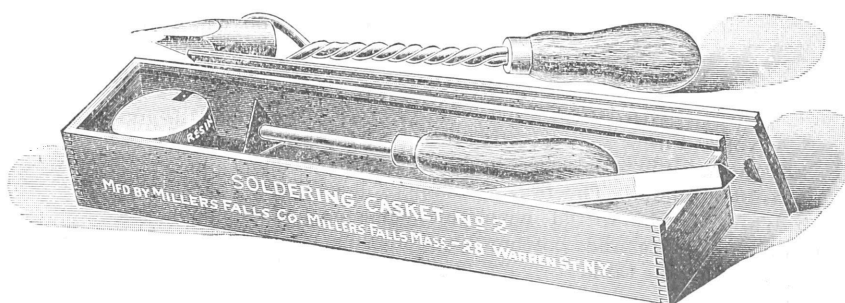
4 ins. x 6 ins.	Price.. ..	each \$0 20
6 " x 8 "	"	" 25
7 " x 9 "	"	" 30
8 " x 10 "	"	" 35
10 " x 12 "	"	" 40

SOLDER AND BABBIT METAL

The Gem Soldering Set No. 1



The Gem Soldering Set No. 2



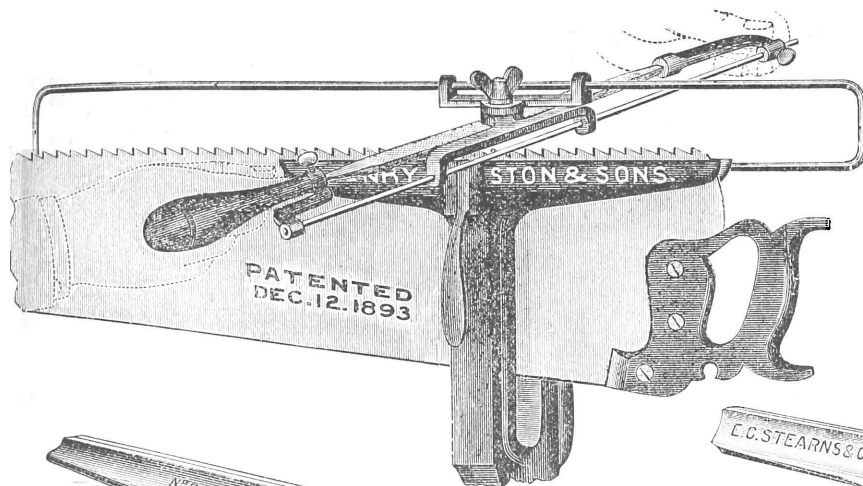
Plumber's Malleable Iron Ladles, Double Lipped

Melting Pots

Babbit Ladles

[illegible]

WE ALWAYS AIM TO SEE HOW GOOD AN ARTICLE WE CAN OFFER FOR THE MONEY

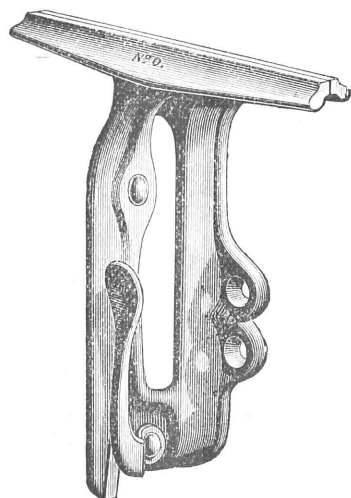


Stearn's Saw Vise and Filing Guide

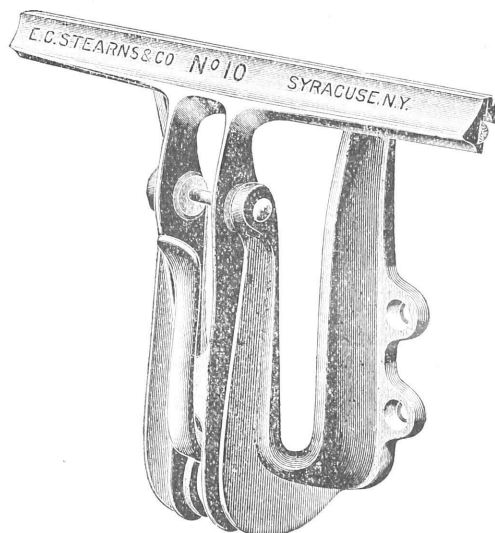
10½ inch jaw, complete.....\$2 25

Disston's Saw Vise and Filing Guide

No. D3—12½ inch Jaws, complete with Filing Guide and File and Handle.
Each \$2 50

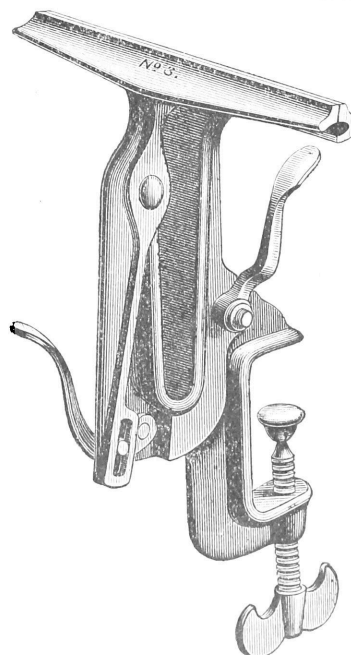
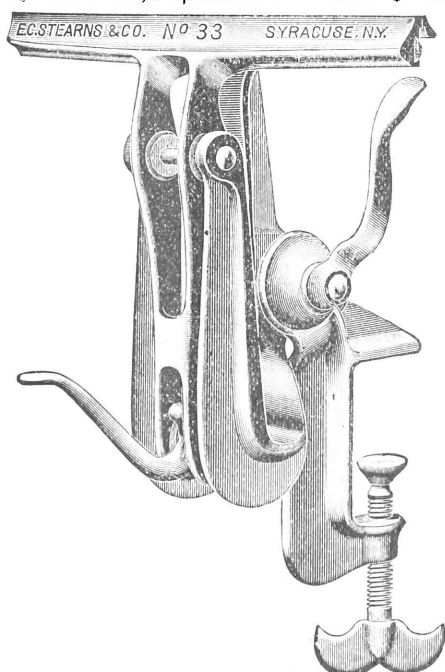


Saw Vises



No. 0—9½ inch Jaws, Japanned each \$0 45

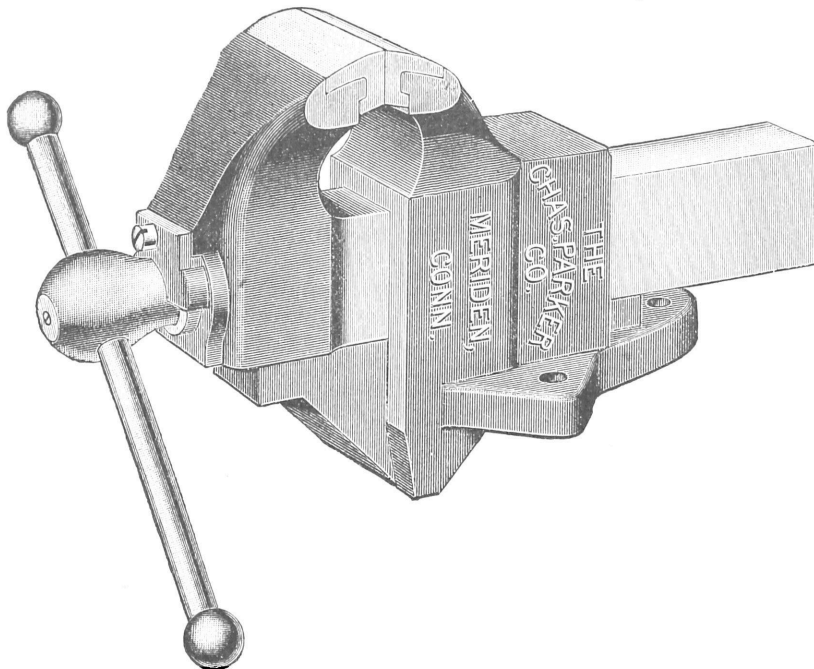
No. 10—10 inch Jaws (rubber cushions) each \$0 85
" 2-15 " " " " " " 1 15



No. 33—10 inch, Rubber Cushioned Jaws, Ball and Socket Joint.....each \$1 15

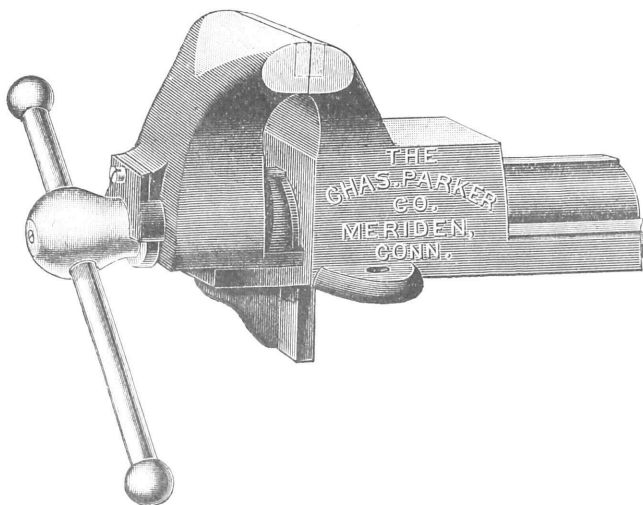
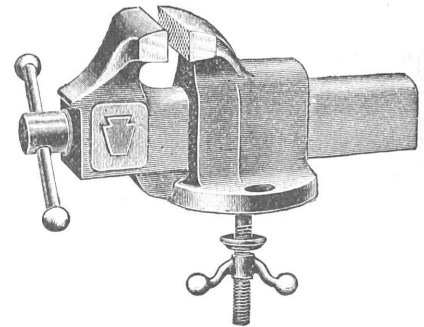
No. 3—9½ inch Jaws, Adjustableeach \$0 70

WRITE FOR ANYTHING YOU WANT AND DO NOT SEE CATALOGUED.

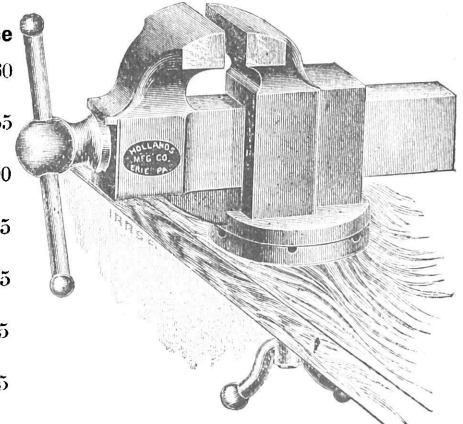
Parker's Vulcan Patent Parallel Stationary Vises**SOLID STEEL FACED JAWS. EXTRA STRONG SLIDE AND SCREW**

Designed to supply the requirements for a Strong, Durable, Medium Priced Vise

- No. A.** Round Jaws, weight 25 lbs. Length of Jaws, $3\frac{1}{4}$ inches, each \$5 60
Vise opens $4\frac{1}{2}$ inches.
- " B.** Round Jaws, weight 28 lbs. Length of Jaws, $3\frac{5}{8}$ inches, each \$6 55
Vise opens 5 inches.
- " C.** Round Jaws, weight 46 lbs. Length of Jaws, $4\frac{1}{2}$ inches, each \$8 00
Vise opens $5\frac{1}{2}$ inches.
- " D.** Round Jaws, weight 60 lbs. Length of Jaws, $4\frac{1}{2}$ inches, each \$8 25
Vise opens $6\frac{1}{2}$ inches.
- " E.** Round Jaws, weight 74 lbs. Length of Jaws, 5 inches, each \$10 75
Vise opens 7 inches.
- " F.** Round Jaws, weight 100 lbs. Length of Jaws, $5\frac{1}{2}$ inches, each \$15 25
Vise opens $8\frac{1}{2}$ inches.
- " G.** Round Jaws, weight 135 lbs. Length of Jaws, 6 inches, each \$20 75
Vise opens $9\frac{1}{2}$ inches.

**KEYSTONE MECHANICS' VISES**
SWIVEL BASE

No.	Width Jaw	Opens	Weight	Price
B S	$2\frac{1}{4}$ in.	3 in.	$5\frac{1}{2}$ lbs.	\$1 95
D S	3 "	4 "	15 "	3 30
F S	$3\frac{1}{2}$ "	5 "	23 "	4 20
G S	4 "	6 "	35 "	5 40
H S	$4\frac{1}{2}$ "	7 "	50 "	7 50

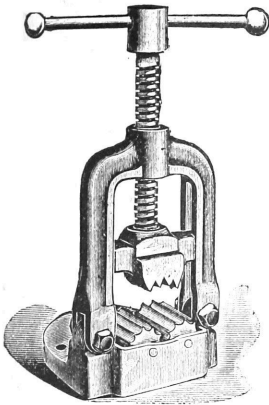
Machinists' Bench Vise
SWIVEL BASE

No.	Width Jaw.	Opens.	Weight.	Price.
10	$3\frac{1}{4}$ in.	4 in.	30 lbs.	\$7 50
20	$3\frac{1}{2}$ "	5 "	35 "	8 75
30	4 "	6 "	56 "	11 00

Oval Slide Vises

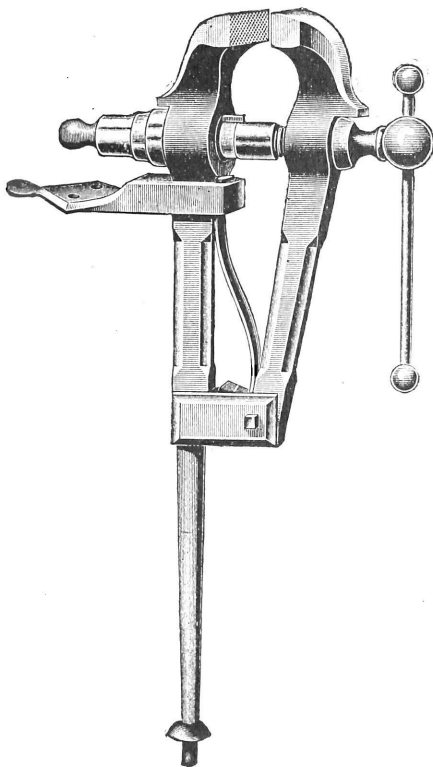
- No. 30**—Oval Slide, weight, $8\frac{1}{2}$ lbs. Jaws, $2\frac{5}{8}$ in.
long each \$1 60
- " 31**—Oval Slide, weight, 13 lbs. Jaws, 3 in.
long each 1 90
- " 32**—Oval Slide, weight, 19 lbs. Jaws, $3\frac{1}{4}$ in.
long each 2 35
- " 33**—Oval Slide, weight, 22 lbs. Jaws, $3\frac{1}{2}$ in.
long each 2 50
- " 34**—Oval Slide, weight, 28 lbs. Jaws, 4 in.
long each 3 50
- " 35**—Oval Slide, weight, 35 lbs. Jaws, $4\frac{3}{4}$ in.
long each 4 35

OUR TOOLS ARE ALL WORTH THE PRICE ASKED



Keystone Malleable Pipe Vise

No. R—	Holds Pipe	$\frac{1}{8}$ to 2 inch	..	..	..	..	..	each \$2 00
" RR—	"	" $\frac{1}{4}$ to 3 "	..	..	..	..	..	" 4 00
" I—	"	" $\frac{1}{8}$ to 2 "	weight 15 lbs.,	(side issue)	..	..	..	" 3 00
" X—	"	" $\frac{1}{8}$ to 2 "	" 17 "	(improved hinged)	..	..	..	" 5 00

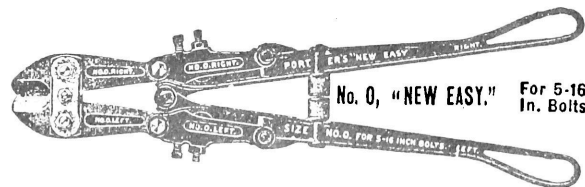


Blacksmith Vises

Solid Box Wrought Steel Blacksmiths' Vises, have Jaws forged from one piece of special Ingot Steel, and faced with high-grade crucible tool steel.

No.	Weight, Pounds.	Length of Jaw.	Depth from Top of Jaw to Top of Box.	Vise Opens.	Each.
40	40	4	$3\frac{1}{2}$	4	\$6 00
45	45	$4\frac{1}{4}$	$3\frac{3}{4}$	$4\frac{1}{4}$	6 15
50	50	$4\frac{1}{2}$	$4\frac{1}{4}$	$4\frac{1}{2}$	6 40
55	55	$4\frac{3}{4}$	$4\frac{1}{2}$	$4\frac{3}{4}$	6 70
60	60	5	$4\frac{1}{2}$	5	7 25

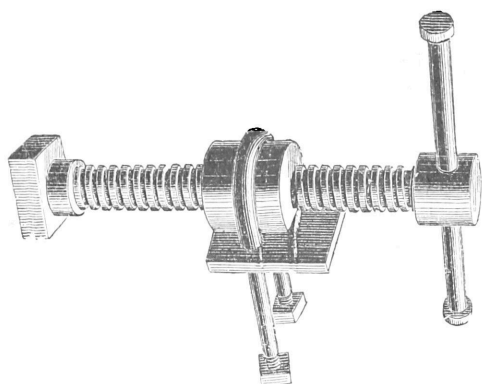
The "Easy" and "New Easy" Bolt Clippers



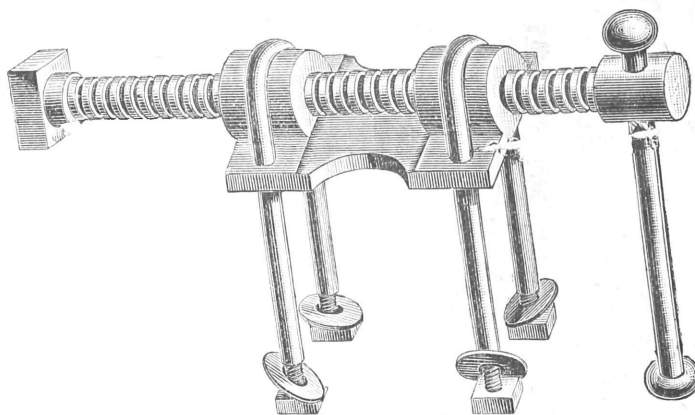
No. 0—	Porter's "New Easy"	Bolt Clipper, length 18 inches, for Bolts $\frac{5}{16}$ inch	..	..	..	..	each \$2 70
" 1—	" " "Easy"	" " " 24 "	"	"	"	..	" 3 00
" 2—	" " "Easy"	" " " 30 "	"	"	"	..	" 4 20
" 3—	" " "New Easy"	" " " 36 "	"	"	"	..	" 6 50

WE HANDLE STABLE FITTINGS IN LARGE VARIETY. WRITE FOR CATALOGUE.

Iron Clamp Heads



No. 11.



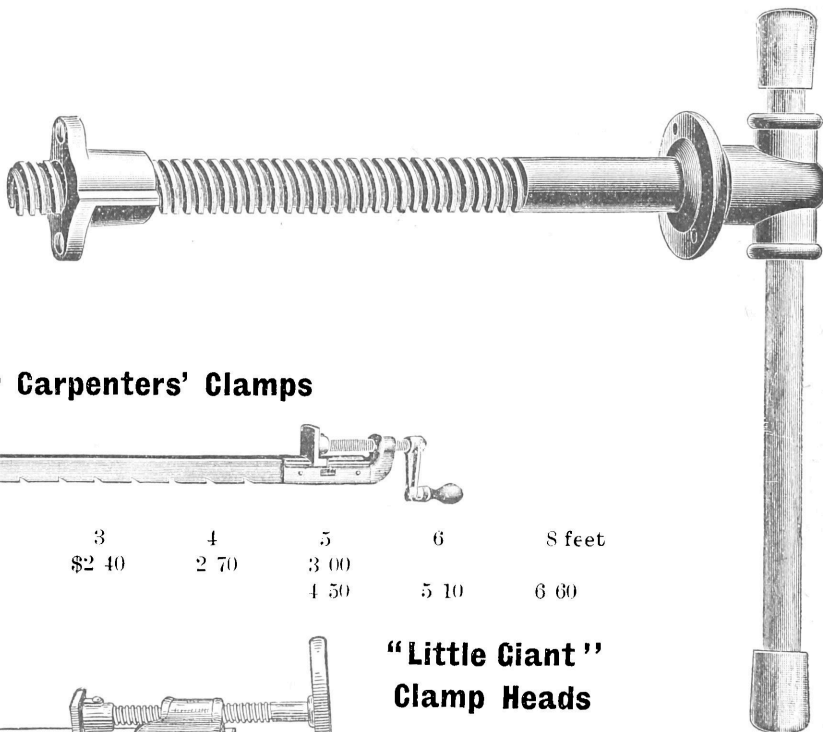
No. 12.

	Diameter of Screw..	1	1½	1¾ inches.
No. 11—	Wrought Screw and Handle, with single nut	each	\$1 20	1 60
No. 12—	“ “ “ “ double nut	“	1 55	1 80
				2 25

Iron Bench Screws

Wrought Iron, Double Thread,
Moveable Collar, Wood Handle.

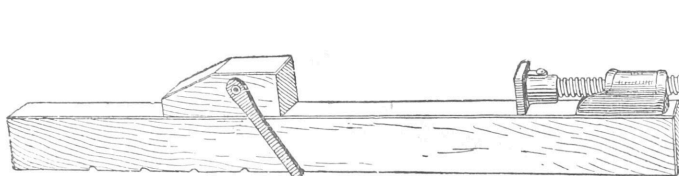
Diameter of Screw	1	1½	1¾ inch.
Each.....	50	55	65 cents.



Steel Bar Carpenters' Clamps



To open..	3	4	5	6	8 feet
1½ x 1½ inch Bar, ½ inch Screw..	each	\$2 40	2 70	3 00	
1 x 1½ “ “ “ “ “ “ “ “			4 50	5 10	6 60



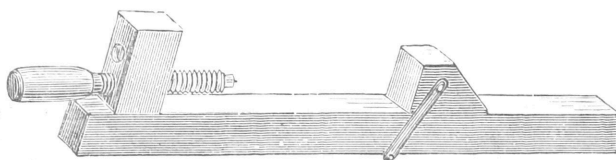
“Little Giant” Clamp Heads

Furnished without bars only.

Price..	each	70 cents.
Links..	15	“

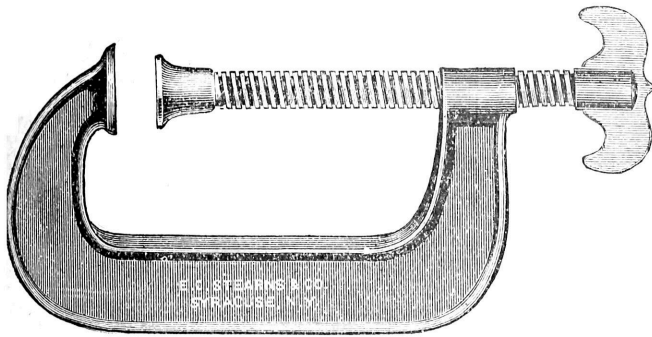
Cabinet Makers Clamps

For Boards or Planks



No.	To open	Bars	1½ x 1½ inch..	Price per Doz.	Each.
No. 71—	2 feet	3	“	\$8 40	\$0 84
“ 72—	“	4	“	9 00	90
“ 73—	“	5	“	10 20	1 02
“ 74—	“	6	“	12 00	1 20
“ 75—	“	“	“	14 40	1 44
Cabinet Clamp Saddles				each	\$0 20

WE CARRY A WELL ASSORTED STOCK OF CASTERS. WRITE FOR CATALOGUE.



Stearn's Malleable Iron Screw Clamps

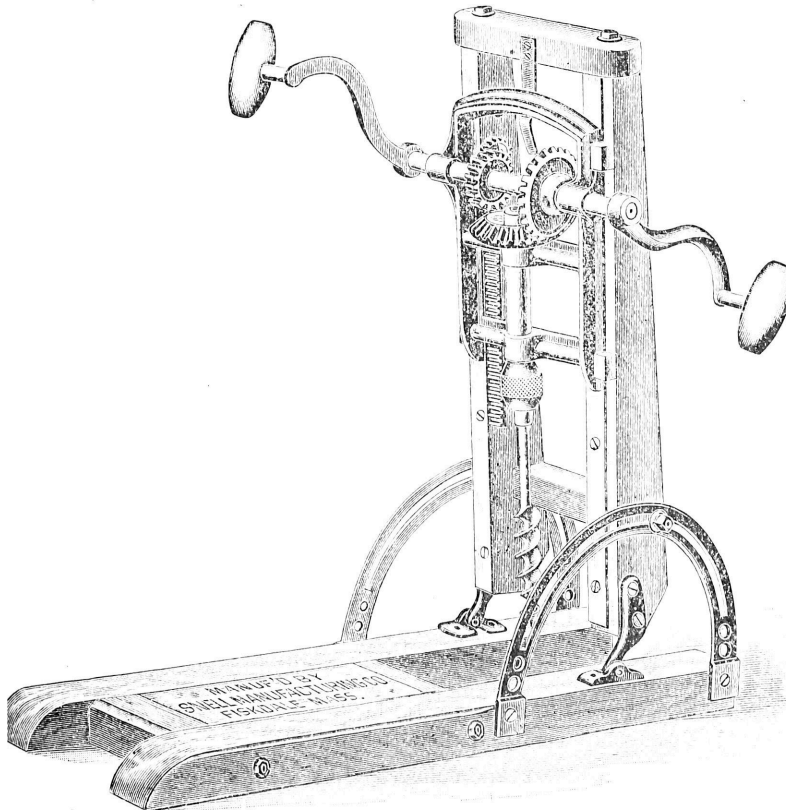
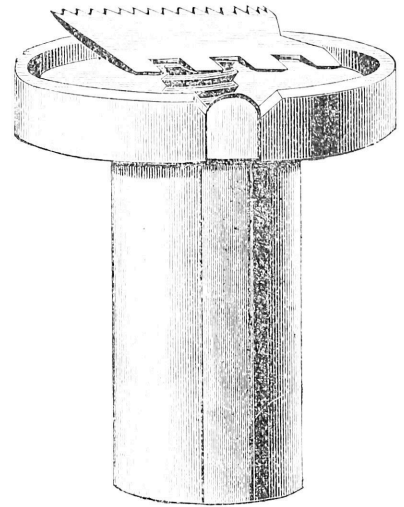
With Wrought-Iron Screw,

3 inch..	..	..	per dozen	\$2 25	each	\$0 23
4 "	..	..	"	3 15	"	32
5 "	..	..	"	3 75	"	40
6 "	..	..	"	4 85	"	50
7 "	..	..	"	5 75	"	60
8 "	..	..	"	6 75	"	70

Lanfair's Bench Hook

All that is required to set this hook in the bench is to bore a 2 inch hole $\frac{1}{2}$ inch in depth and a 1 inch hole the balance of the way through the bench, holding it in place with three screws. The Hook has four faces, and can be turned around readily and set to any height desired. The cut is full size.

Price.. .. each \$0 50



Boring Machines

Wooden Frame, can be tilted to bore at any desired angle.

Angular Boring Machine, without bits, each... .. \$4 75

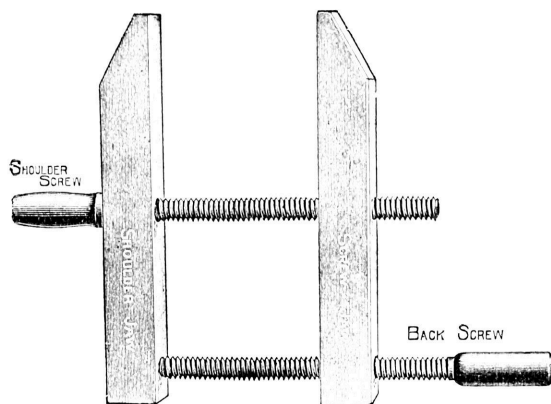
Upright Boring Machine, without bits, each... .. \$4 40

Gilmore's Boring Machine Augers



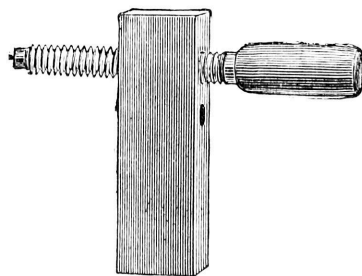
Size..	..	..	..	..	..	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2 inches.
Each..	..	..	..	..	..	\$0 70	0 90	1 15	1 50

SEND US A TRIAL ORDER

Bliss' Hand Screws

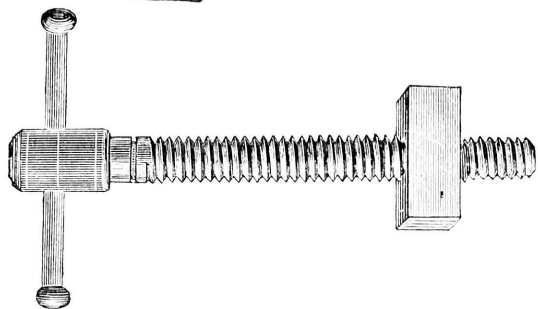
New Nos.	Diam. of screws	Whole Length of Screws	Whole Length of Jaws	Size of Jaws	Open	Price per Dozen	Price Each
800	1 1/4 in.	28 in.	24 in.	3 by 3 in.	17 in.	\$14 40	\$1 44
801	1 1/4	26	22	2 3/4 by 2 3/4	15 1/2	12 60	1 26
802	1 1/4	24	20	2 1/2 by 2 1/2	13 3/4	11 40	1 14
803	1 1/4	22	20	2 1/2 by 2 1/2	12	10 80	1 08
804	1 1/4	22	18	2 1/2 by 2 1/2	12 1/4	10 20	1 02
805	1 1/4	20	18	2 3/4 by 2 3/4	10 1/2	9 60	96
806	1	20	16	2 3/4 by 2 3/4	11	9 00	90
807	1	18	16	2 1/2 by 2 1/2	9 1/4	8 40	84
808	1	18	14	2 1/2 by 2 1/2	10	7 80	78
809	1	16	14	2 by 2	8 1/4	7 20	72
810	1	16	12	1 1/2 by 1 1/2	8 1/2	6 60	66
811	1	14	12	1 3/4 by 1 3/4	7 1/2	6 00	60
812	1	12	10	1 1/2 by 1 1/2	5 1/2	5 10	51
813	1	10	8	1 1/2 by 1 1/2	4 1/2	4 20	42
814	1	8	7	1 1/2 by 1 1/2	3	3 30	33
815	1	6	5	1 by 1	2	2 70	27

Either Screw or Jaw, ONE-THIRD the price of the complete hand screw.

**Clamp Head and Screws**

No.	With	inch Screw	Bars	inch	Price per Doz.	Price Each
No. 67	With 1 1/4 inch Screw	Bars 11 1/2 x 3 x 2 1/2 inch	...	...	\$4 20	\$0 42
" 68	" 1 1/2	" 11 x 2 3/4 x 2 1/2	...	...	3 60	36
" 69	" 1	" 9 x 2 1/2 x 2	...	...	2 70	27
" 70	" 1	" 6 1/2 x 2 1/2 x 1 1/2	...	...	2 10	21

Unless otherwise ordered, Clamp Heads made with only one hole.

**Bliss' Maple Bench Screws**

Good Stock and Finish.

No. 123—2 1/2 inch Maple Screws .. per doz. \$5 50 each \$0 50

Colt's Eccentric Clamps

This long steel bar is double flanged on each side, making it light and portable and greatly increasing its strength, and the flanges prevent its twisting. It has a fixed head supporting an eccentric lever with improved movable jaw, instant in action, perfect in work. Made with a crank or bar screw when desired.

Colt's Cabinetmakers' and Builders' 1 1/4 in. Steel Bar Clamp.

The number of inches given below indicate the size of the work the jaws will grip.

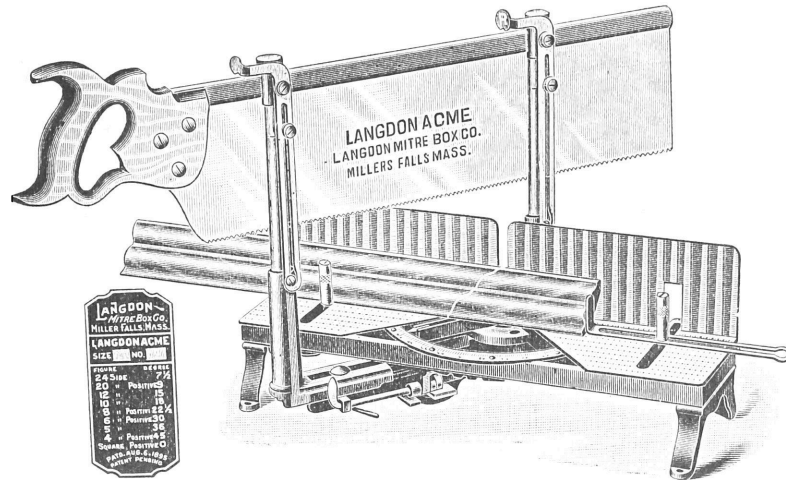
24	30	36	48	60	72 inches
\$0 95	1 05	1 20	1 40	1 65	1 90 each

Our Extra Heavy Clamp is one-half heavier than those shown above. The bar is I shaped steel 1 1/2 x 3/4 in. Length of jaw from bar to centre of bearing, 2 inches. 4 inch reach made to order.

24	30	36	48	60	72 inches
\$1 40	1 60	1 75	2 10	2 50	2 90 each

With the Eccentric Lever the pressure is applied instantly, directly, and efficiently, thus avoiding the liability of displacing the work occasioned by turning a slow working screw.

The Langdon Acme Mitre Box



The Langdon Acme Mitre Box possesses all the features embodied in Boxes heretofore made, together with the following improvements:

The Guides are made one inch longer, thus holding the saw steadier when drawn up to its highest capacity. These Guides are provided with elevator so the saw is held stationary above the work when desired, as shown in above cut.

In addition to notches for the positive angles commonly in use, the Acme Box has a graduated arc in front with the various degree marks thereon, as per plate shown in above cut.

The saw can be instantly secured at any intermediate or any positive angle by means of a small thumb lever in front of Box.

Supporting guides for holding work in place, which guides are also used where angles more acute than 45 degrees are desired.

An appliance for quicker adjustment of extension lever.

A length gauge for duplicate lengths.

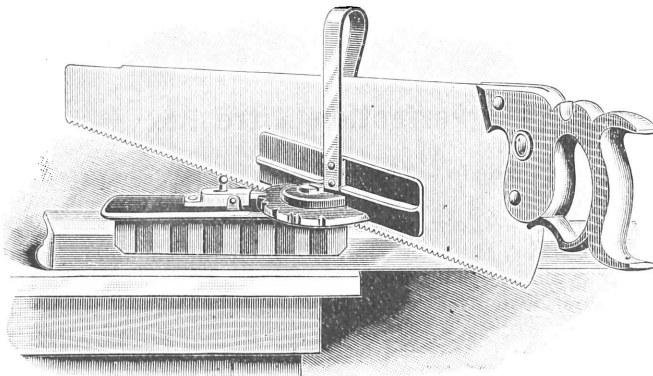
Steel bottom boards roughened to prevent work from slipping.

A metallic index plate with degrees marked thereon attached to the machine.

The polished parts are nickel plated.

No. 73—Saw, 26 x 4 inches; capacity at right angles, 10½ inches; capacity at mitre, 7 inches. Price....each \$14 95

The Star Mitre Box, No. 40



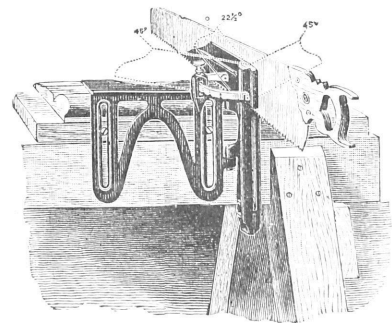
It is adjustable at once to the various required angles, and being provided with double shelf or rest, will cut either a right or left angle with equal ease. It is made entirely of iron and steel, japanned, with bright parts polished and nickel-plated. It is very compact and for outside work, cornices, etc., will be found very convenient; also for cutting wall mouldings for hanging pictures. Either a panel or back saw can be used and any depth moulding can be cut.

Packed one in a box. Price.. .. each \$2 65

No. 767—Beech Mitre Blocks, Screwed, 9½ inches long .. " 0 60

" 827— " Square Templet " 20

Seavey's Patent Improved Mitre Box

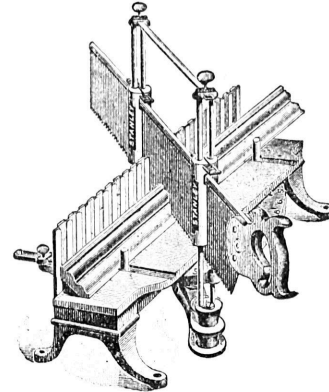
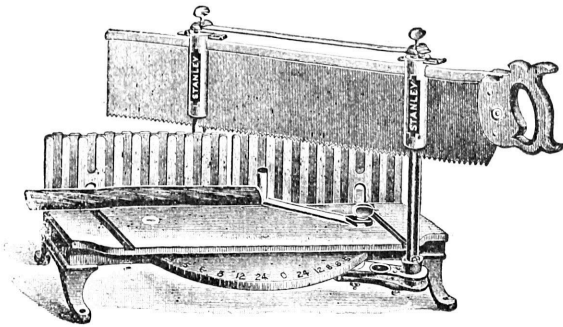


Weights only two pounds, can be folded up and carried in coat pocket. No special saw needed, any ordinary cross-cut saw may be used. Easily adjusted to any angle desired.

No. 6 each \$2 70

WRITE FOR ANYTHING YOU WANT AND DO NOT SEE CATALOGUED.

Stanley Mitre Boxes

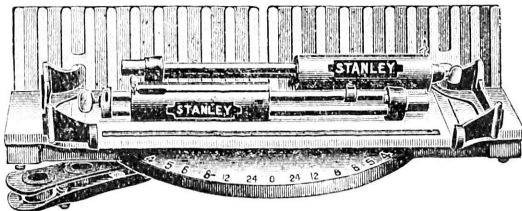


This Mitre Box has a single-piece frame and malleable iron legs. The saw is supported above the work, leaving both hands free. A slight pressure on the rear catch releases it, and by raising the handle of the saw slightly the catch is disengaged, and the saw is lowered to the work. The swivel is so constructed that it will automatically lock at any point desired, and is provided with an index pin engaging holes in the frame at the commonly used angles. The location of these holes is clearly designated by figures.

The saw guides, which are instantly removable, are adjustably set in the swivel where they are secured by a new clamping device, and by turning a screw at the base can be adjusted to hold the saw without play, thus securing a great accuracy of cut. A second socket in the swivel is provided in which the forward guide may be set, permitting the use of a short saw, or allowing a longer stroke with a long saw.

The stock guides at back of frame will firmly support circular or irregular work. By placing straight work against one of the guides instead of the back of the box, the most acute angles can be cut. A stock guide can likewise be used as a length gauge for duplicating short pieces.

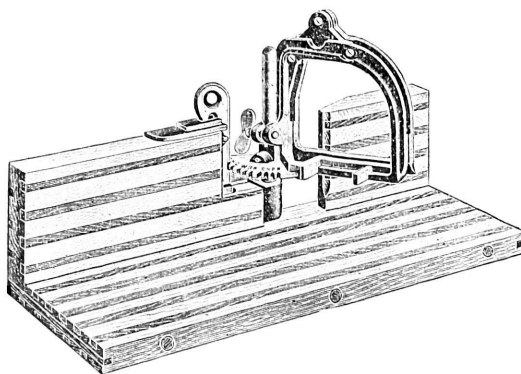
The parts of a Stanley Mitre Box are interchangeable, and can be readily replaced if lost or broken.



The box can be readily knocked down so that it can be easily carried by the workman or packed for shipment

SIZES AND PRICES

No.	Saw	Capacity Right Angle	Capacity Mitre (45°)	Capacity at 30° without Stock Guide	Each
240	20 x 4 in.	8½ in.	5½ in.	3½ in.	\$11 65
242	22 x 4 "	8½ "	5½ "	3½ "	12 00
244	24 x 4 "	8½ "	5½ "	3½ "	12 25
246	26 x 4 "	8½ "	5½ "	3½ "	12 50
346	26 x 4 "	9½ "	6½ "	4½ "	13 65
358	28 x 5 "	9½ "	6½ "	4½ "	14 45
460	30 x 6 "	11 "	7½ "	5½ "	17 80



Perfection Mitre Box

The saw guide in the Perfection Mitre Box can be instantly set and rigidly held by the set screw at any angle wanted. Any saw may be used, back saw, panel or hand. For cutting to exact depths use a back saw, the back rib resting on the shoulders within the swinging guide. This guide adjusted to the proper height, will determine the depth at the same time that it keeps to the angle to be cut.

Price, each \$3 75

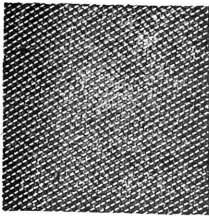
Stanley Angle Divider

No. 30 Angle Divider is a tool that can be used to find any angle. Fitting moulding or other woodwork to odd angles can be done with ease and certainty. It is also graduated for the parts of a circle commonly used. May also be used as a try or "T" square. Nickle plated, price each \$1 50

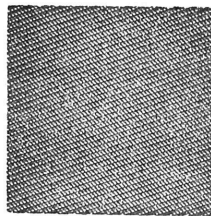
WE SELL BRASS BEADING AND CHAIR NAILS.

Illustrations Showing the Different "Cuts" of Files in General Use.

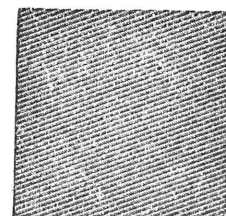
DOUBLE CUT



Bastard.

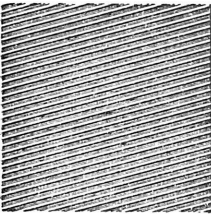


Second Cut.



Smooth.

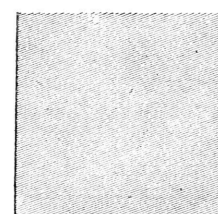
SINGLE CUT



Bastard.

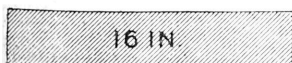
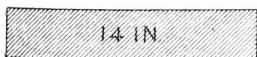
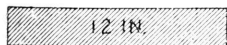
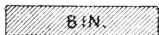
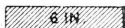


Second Cut.

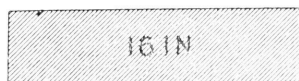
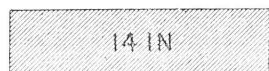
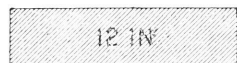
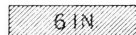
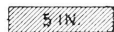


Smooth.

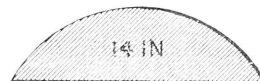
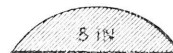
Section of Files in General Use



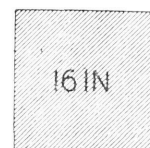
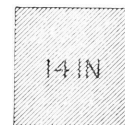
Mill.



Flat.



Half Round.



Square.



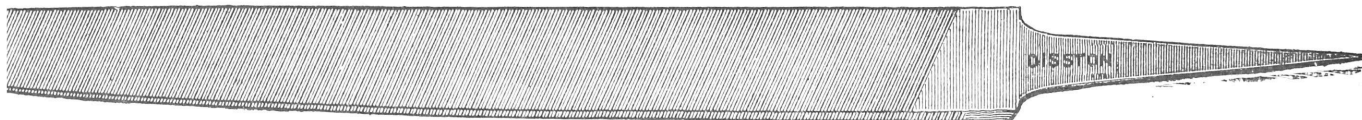
Round.

HOW TO ORDER FILES. The length of a file is measured from the heel (or where the tang begins) to the point or opposite end. Next determine the shape or kind of file wanted, whether Flat, Half Round, Mill, Square, Round, etc. Then decide the "cut" most suitable for the work to be done. The cut of files is divided with respect to the character of teeth into Single Cut, Double Cut and Rasp Cut; and with respect to coarseness of cut into Bastard, Second Cut and Smooth.

TRY THE DISSTON FILE, AND YOU WILL USE NO OTHER.

Henry Disston & Son's Celebrated Files**Mill Saw Files**

Length	4	5	6	7	8	9	10	12	14	16 inches
Mill Saw, Bastard .. per doz.	\$0 90	0 96	1 05	1 17	1 29	1 47	1 68	2 25	3 21	4 41
" " " " each	09	10	11	12	13	15	17	23	32	44 cents.
Mill Saw, Second Cut.. per doz.	\$1 05	1 14	1 20	1 38	1 47	1 74	1 92	2 58	3 66	5 04
" " " " each	11	12	12	14	15	18	19	26	37	50 cents.
Mill Saw, Smooth .. per doz.	\$1 17	1 23	1 35	1 47	1 62	1 89	2 10	2 82	3 93	5 37
" " " " each	12	13	14	15	17	19	21	29	40	54 cents.

Mill Saw Files, with 2 Round Edges

Length	6	7	8	9	10	12	14 inches
Mill Saw, Bastard, Two Round Edges .. per doz.	\$1 32	1 47	1 62	1 83	2 10	2 82	4 02
" " " " each	13	15	16	18	21	28	40 cents.

Taper Saw Files

Length	3	3½	4	4½	5	5½	6	7	8	9	10 inches
Taper Saw Files .. per doz.	\$0 63	0 63	0 66	0 72	0 78	0 90	1 02	1 29	1 62	1 98	2 43
" " " " each	07	07	07	08	08	09	10	13	16	20	24 cents.

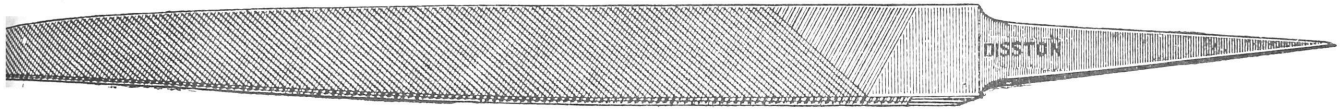
Slim Taper Saw Files

Length	3	3½	4	4½	5	5½	6	7	8	9	10 inches
Slim Taper Saw Files .. per doz.	\$0 63	0 63	0 66	0 69	0 75	0 87	0 93	1 14	1 35	1 62	1 92
" " " " each	07	07	07	07	08	09	10	12	14	16	19 cents.

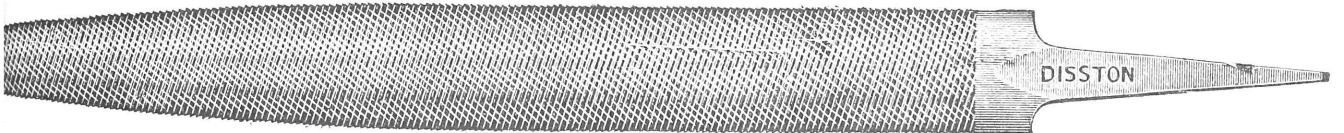
Blunt Band Saw Files

Length	4	4½	5	5½	6	7	8	9	10 inches
Regular Blunt Band Saw Files .. per doz.	\$0 81	0 93	1 05	1 20	1 41	1 68	2 01	2 43	2 91
" " " " each	08	10	11	12	14	17	20	24	29 cents.
Slim per doz.	\$0 78	0 90	0 96	1 05	1 17	1 35	1 59	1 89	2 25
" " " " each	08	09	10	11	12	14	16	19	23 cents.
Regular Taper .. per doz.	\$0 81	0 93	1 05	1 20	1 41	1 68	2 01	2 43	2 91
" " " " each	08	10	11	12	14	17	20	24	29 cents.
Slim per doz.	\$0 78	0 90	0 96	1 05	1 17	1 35	1 59	1 89	2 25
" " " " each	08	09	10	11	12	14	16	19	23 cents.

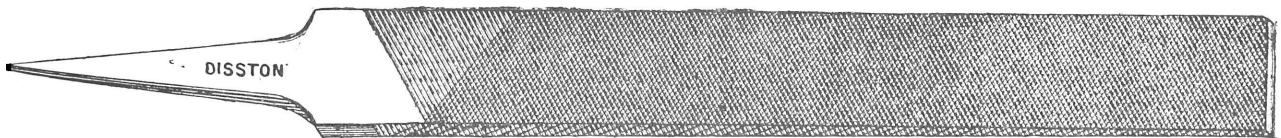
SPECIAL PRICE FOR LARGE QUANTITIES.

Henry Disston & Son's Celebrated Files**Flat Files**

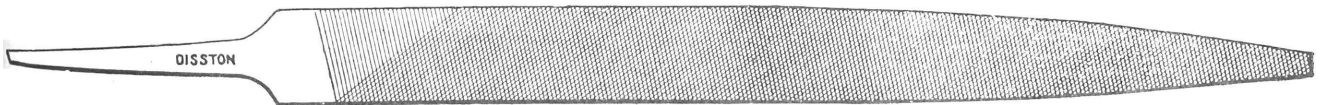
Length.....	4	5	6	7	8	9	10	12	14	16 inches.
Flat Bastard Files..... Per doz.	\$1 11	1 17	1 29	1 44	1 59	1 89	2 10	2 91	3 99	5 34
“ “ “..... each	12	12	13	15	16	19	21	29	40	54 cents.
Flat Second Cut Files..... Per doz.	\$1 29	1 38	1 44	1 65	1 83	2 16	2 43	3 30	4 59	6 03
“ “ “..... each	13	14	15	17	19	22	25	33	46	60 cents.
Flat Smooth Files..... Per doz.	\$1 41	1 47	1 59	1 83	1 98	2 37	2 61	3 63	5 01	6 69
“ “ “..... each	14	15	16	18	20	24	26	36	50	67 cents.

Half Round Files

Length.....	4	5	6	7	8	9	10	12	14	16 inches.
Half Round Bastard Files. Per doz.	\$1 44	1 62	1 83	2 10	2 25	2 55	2 73	3 54	4 65	6 18
“ “ “..... each	15	16	18	21	23	26	27	36	47	62 cents.
“ Second Cut “ Per doz.	\$1 68	1 83	2 01	2 31	2 49	2 82	3 03	3 90	5 10	6 75
“ “ “..... each	17	18	20	23	25	28	30	39	51	68 cents.
“ Smooth “ Per doz.	\$1 83	1 92	2 13	2 46	2 67	2 97	3 21	4 17	5 49	7 26
“ “ “..... each	18	19	21	25	27	30	32	42	55	73 cents.

Hand Files

Length.....	4	5	6	7	8	9	10	12	14	16 inches.
Hand Bastard Files..... Per doz.	\$1 11	1 17	1 29	1 47	1 62	2 01	2 25	3 21	4 50	6 03
“ “ “..... each	11	12	13	15	16	20	23	32	45	60 cents.
“ Second Cut Files... Per doz.	\$1 29	1 41	1 53	1 74	1 89	2 34	2 61	3 69	5 10	6 84
“ “ “..... each	13	14	15	17	19	23	26	37	51	68 cents.
“ Smooth Files..... Per doz.	\$1 44	1 59	1 68	1 89	2 01	2 49	2 82	4 05	5 46	7 26
“ “ “..... each	15	16	17	19	20	25	28	40	55	73 cents.

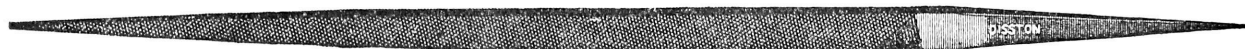
Warding Files

Length.....	4	4½	5	5½	6	7	8	9	10 inches.
Warding Bastard Files..... Per doz.	\$1 20	1 35	1 35	1 47	1 47	1 77	1 92	2 34	2 61
“ “ “..... each	12	14	14	15	15	18	20	24	27 cents.
“ Second Cut Files..... Per doz.	\$1 44	1 59	1 59	1 77	1 77	2 07	2 25	2 70	3 03
“ “ “..... each	15	16	16	18	18	21	23	27	30 cents.
“ Smooth Files..... Per doz.	\$1 62	1 74	1 74	1 92	1 92	2 25	2 46	2 97	3 30
“ “ “..... each	16	18	18	20	20	23	25	30	33 cents.

SPECIAL PRICE FOR LARGE QUANTITIES.

Henry Disston & Son's Celebrated Files**Round Files**

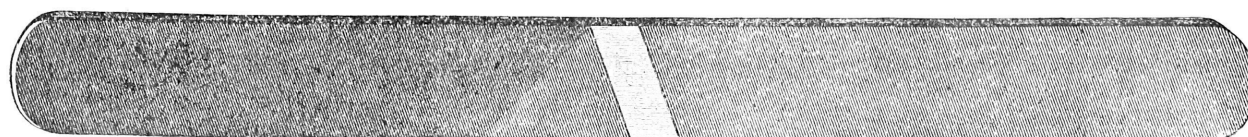
Length.....	4	5	6	7	8	9	10	12	14	16 inches
Round Bastard Files.....Per doz.	\$0 90	0 96	1 05	1 17	1 29	1 47	1 68	2 25	3 21	4 41
“ “ “each	09	10	11	12	13	15	17	23	32	44 cents.
“ Second Cut Files..Per doz.	\$1 05	1 14	1 20	1 38	1 47	1 74	1 92	2 58	3 66	5 04
“ “ “each	11	12	12	14	15	18	19	26	37	50 cents.
“ Smooth Files.....Per doz.	\$1 17	1 23	1 35	1 47	1 62	1 89	2 10	2 82	3 93	5 37
“ “ “each	12	12	14	15	16	19	21	29	40	54 cents.

Square Files

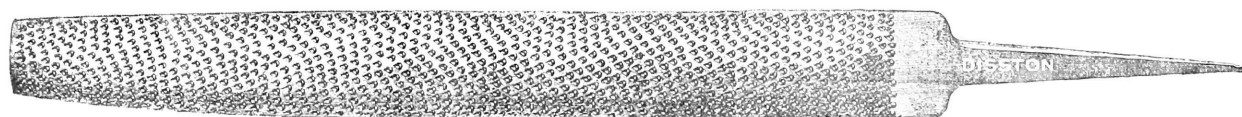
Length.....	4	5	6	7	8	9	10	12	14	16 inches
Square Bastard Files.... Per doz.	\$1 14	1 23	1 38	1 53	1 65	1 98	2 22	3 06	4 17	5 61
“ “ “each	12	13	14	15	17	20	22	30	42	56 cents.
“ Second Cut Files..PerDoz.	\$1 38	1 44	1 53	1 74	1 89	2 31	2 55	3 45	4 83	6 36
“ “ “each	14	15	16	18	19	23	26	35	48	64 cents.
“ Smooth Files.....Per doz.	\$1 47	1 59	1 65	1 89	2 10	2 49	2 73	3 84	5 25	6 99
“ “ “each	15	16	17	19	21	25	28	39	53	70 cents.

Auger Bit Files

Auger Bit Files, one Flat and one three square end Per doz. \$2 50 each \$0 25

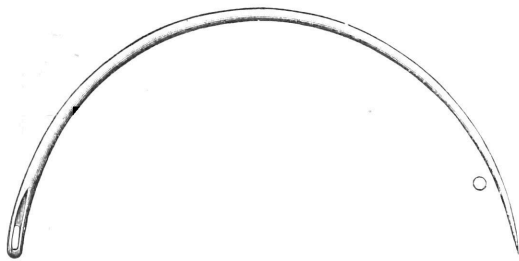
Planer Knife Files

Planer Knife Files, half single cut and half double cut, 10 inch..... Per doz. \$2 58 each \$0 25

Cabinet Rasps

Length.....	6	7	8	9	10	12	14 inches
Cabinet Rasps Per doz.	\$3 03	3 51	3 84	4 65	5 25	6 84	8 88
“ “each	30	35	38	47	53	68	89 cents.
“ Files Per doz.	\$2 43	2 79	3 03	3 66	4 11	5 61	7 44
“ “each	24	28	30	37	41	56	74 cents.

SPECIAL PRICE FOR LARGE QUANTITIES

Upholsterers' Needles**Curved Needles**

Round Point.

Length	4	5	6	7	8 inches.
Single Point Per doz.	30	35	40	45	50 cents.
" " each	03	04	04	05	05 "
Double " Per doz.	35	40	45	50	55 "
" " each	04	04	05	05	06 "

Straight Single Point Needles

Length	6	8	10	12	14	16 inches.
Heavy Round Point Per doz.	35	40	45	55	75	95 cents.
" " " each	04	04	05	06	08	10 "

Straight Double Point Needles

Length	8	10	12	14	16	18 inches.
Heavy Round Point Per doz.	\$0 40	0 50	0 65	0 80	1 00	1 25
" " " each	04	05	07	08	10	13 cents.

Best Steel Upholsterers' Skewer Needles

3, 3½ and 4 inches long Per gross, 45 cents. Each, 5 cents.

Packing Needles

Length	3	3½	4	4½	5	5½	6	7	8 inches.
Per dozen	10	11	12	15	20	23	30	40	50 cents.
Each	02	02	02	02	03	03	04	05	06 "

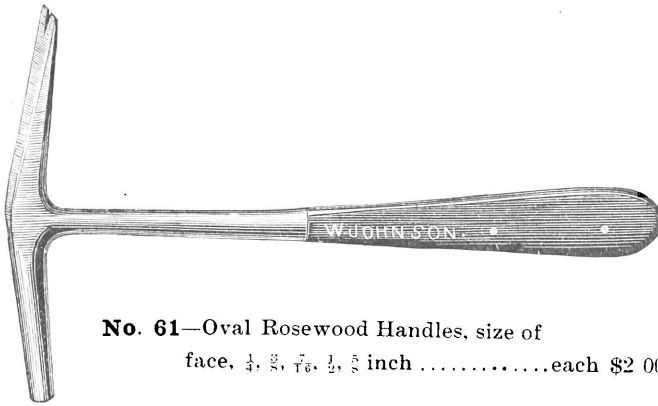
Regulating Needles

Length	8	10	12 inches.
Per dozen	\$1 60	1 80	2 10
Each	16	18	21 cents.

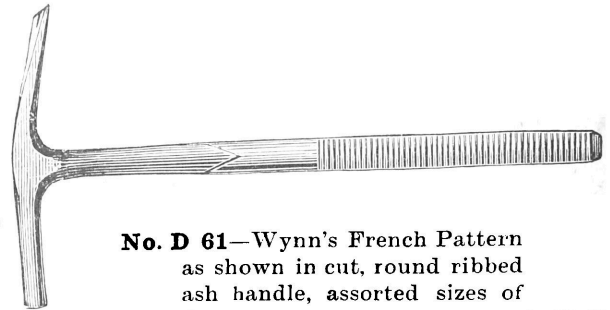
Carpet Needles

Length	1½	2½ inches.
Per dozen	15	15 cents.
Each	02	02 "

WE CARRY A LARGE STOCK OF BRASS GIMP.

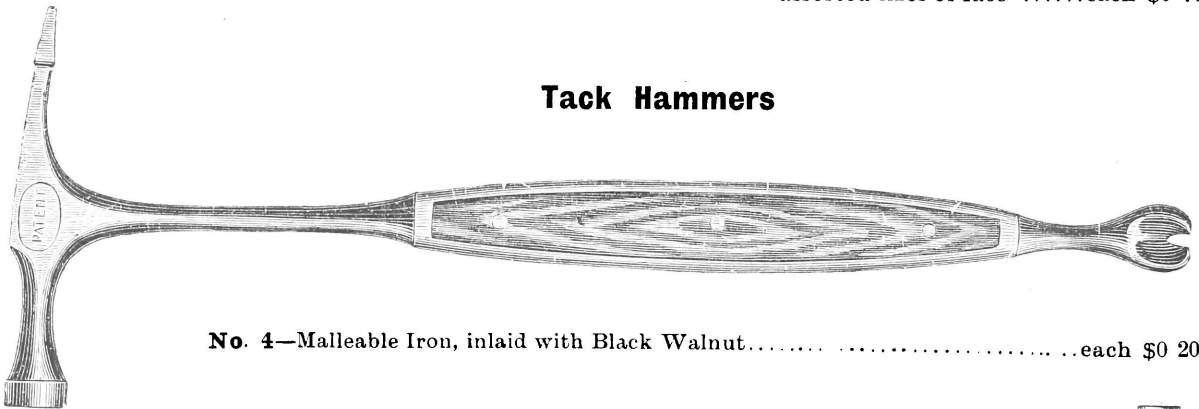
Upholsterers' Hammers

No. 61—Oval Rosewood Handles, size of face, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$ incheach \$2 00

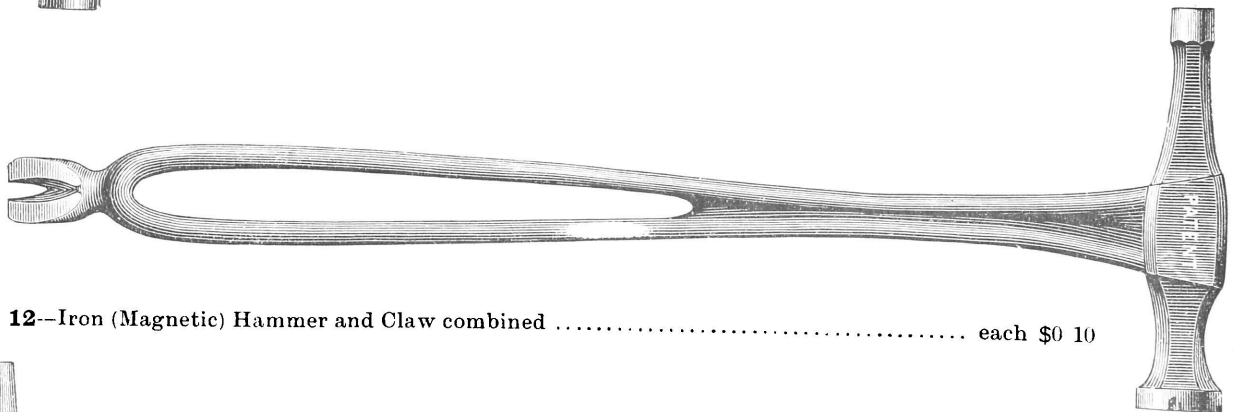


No. D 61—Wynn's French Pattern as shown in cut, round ribbed ash handle, assorted sizes of face each \$1 00

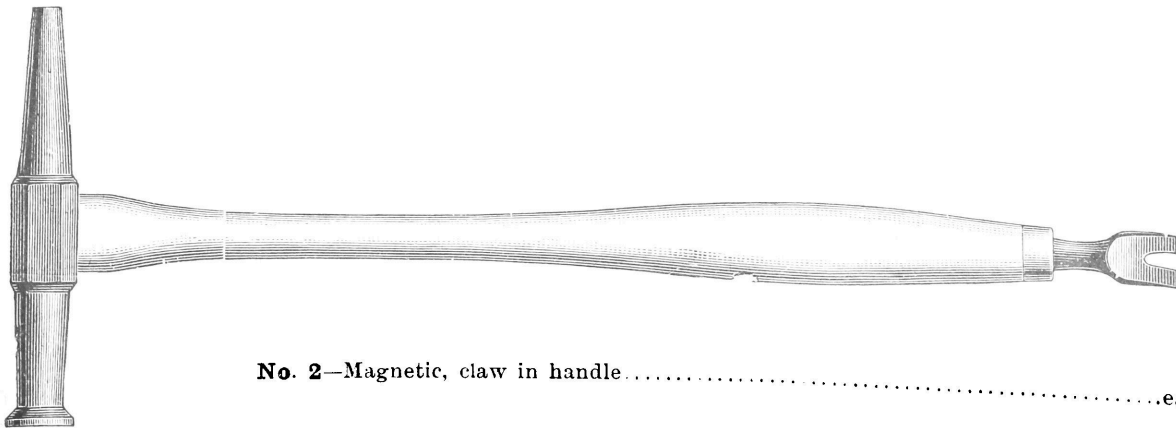
No. 2038 K—Boker's wrought iron straps, rivetted through head, assorted sizes of faceeach \$0 70

Tack Hammers

No. 4—Malleable Iron, inlaid with Black Walnut..... each \$0 20

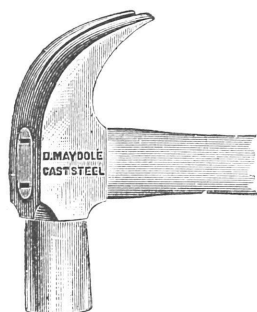


No. 12—Iron (Magnetic) Hammer and Claw combined each \$0 10

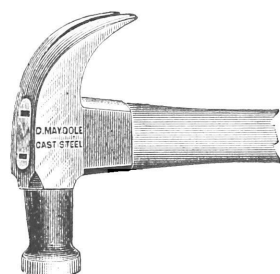


No. 2—Magnetic, claw in handle.....each \$0 13

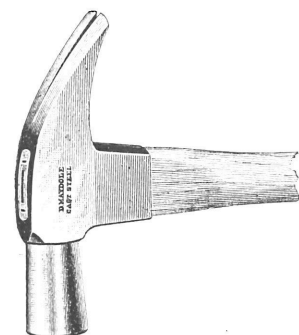
IN ORDERING UPHOLSTERERS' HAMMERS STATE SIZE OF FACE

**Adze Eye Nail Hammers****ROUND**

Nos.....	0	1	1½	2	3
Weight.....	1½ lb.	1½ lb.	1 lb.	13 oz.	7 oz.
Maydole's Cast Steel, each.....	1 10	75	70	65	60 cents
Nos.....	1A	1B	1C	1D	
Weight.....	1½ lb.	1 lb.	12 oz.	7 oz.	
W. & B. Cast Steel, each.....	60	55	50	45 cents.	
No. 1000 —Steel, 1 lb.....each 40 cents					

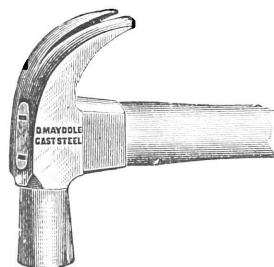
**Adze Eye Nail Hammers****BELL FACE**

Nos.....	11	11½	12	13
Weight.....	1 lb. 3 oz.	1 lb.	12 oz.	7 oz.
Maydole's Cast Steel, each.....	75	70	65	60 cents
Nos.....	2	2A	2B	2C
Weight.....	1½ lbs.	1 lb.	12 oz.	7 oz.
W. & B. Cast Steel, each.....	60	55	50	45 cents
Nos.....	511½	611	611½	
Weight.....	1 lb.	1½ lbs.	1 lb.	
Maydole's Cast Steel, Nickel-plated, each....	\$1 10	1 25	1 20	

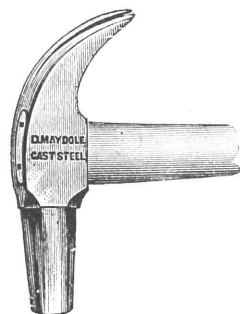
**Straight Clawed Nail Hammers****ADZE EYE**

Superior to all other shapes, as it pulls nails straight and can be used to rip or split

Nos.....	701	701½	702
Weight.....	1½ lb.	1 lb.	13 oz.
Maydole's Cast Steel, each.....	75	70	70 cents.

**Joiners' Plain Eye Brad Hammers**

No. 22 —Maydole's Cast Steel, weight 12 oz.....	each 55 cents
" 23 — " " " " " 7 "	" 50 "
" 34 — " " " " " 4 " Bell face.....	" 45 "

**Farriers' Plain Eye Driving Hammers****VERY USEFUL AS A JOINER'S BRAD HAMMER**

No. 54 —Maydoles Cast Steel, weight 9 oz.....	each 60 cents
" 55 — " " " " " 7 "	" 50 "
" 253 — " " " " " 8 " Adze Eye, round.....	" 60 "
" 352 — " " " " " 10 " " octagon....	" 70 "

WEIGHTS GIVEN DO NOT INCLUDE WEIGHT OF HANDLE

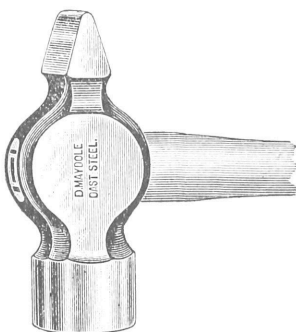
**Machinists' Ball Pein Hammers**

Maydole's Cast Steel, Handled.

Nos.....	120	121	122	123	124	125	126	127	128
Weight	3 lbs.	2½ lbs.	1¾ lbs.	1½ lbs.	1¼ lbs.	1 lb.	13 oz.	10 oz.	7 oz.
Each	\$1 50	1 30	1 15	1 05	95	85	80	75	70
W. & B., Nos..	12	12A	12B	12C	12D	12E	12F	12G	12H
Weight.....	3 lbs.	2½ lbs.	2¼ lbs.	2 lbs.	1¾ lbs.	1½ lbs.	1¼ lbs.	1 lbs.	¾ lb.
Each	\$1 00	90	85	80	75	70	65	60	55

W. & B. Cast Steel, Unhandled.

Nos	12 M	12 N	12 R	12 P
Weight.....	1½ lbs. and over	1¼ lbs.	1 lb.	¾ lb.
Price	27	30	40	45 cents per lb.

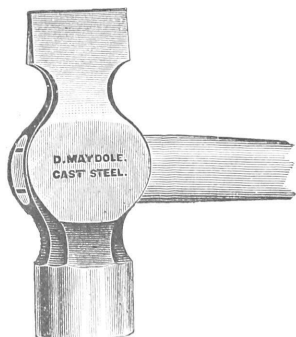
**Machinists' Cross Pein Hammers**

Maydole's Cast Steel, Handled.

Nos	320	321	322	323	324	325	326	327	328
Weight.....	3 lbs.	2½ lbs.	1¾ lbs.	1½ lbs.	1¼ lbs.	1 lb.	13 oz.	10 oz.	7 oz.
Each	\$1 50	1 30	1 15	1 05	95	85	80	75	70

W. & B. Cast Steel, Unhandled.

Nos	14 M	14 N	14 R	14 P
Weight.....	1½ lbs. and over	1¼ lbs.	1 lb.	¾ lb.
Price	27	30	40	45 cents per lb.

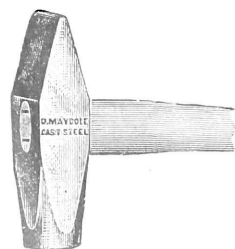
**Machinists' Chipping Hammers**

Maydole's Cast Steel.

Nos	100	101	102	103
Weight	1 lb. 12 oz.	1 lb. 6 oz.	1 lb. 2 oz.	12 oz.
Each	\$1 00	90	85	75

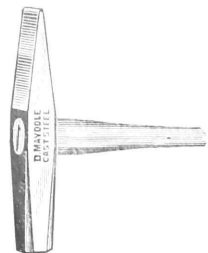
W. & B. Cast Steel, Unhandled.

Nos	13 M	13 N	13 R	13 P
Weight.....	1½ lbs and over	1¼ lbs.	1 lb.	¾ lb.
Price	27	30	40	45 cents per lb.

**Riveting Hammers**

Maydole's Cast Steel.

Nos	40	41	42	42½	43	44
Weight	1 lb. 3 oz.	1 lb. 2 oz.	13 oz.	10 oz.	7 oz.	4 oz.
Each	70	60	55	50	45	40 cents.
W. & B., Nos....	15	15A	15B	15C	15D	15E
Weight	1½ lbs.	1¾ lbs.	1½ lbs.	15 oz.	12 oz.	9 oz.
Each	60	50	45	40	35	35 cents.

**Light Riveting Hammers**

Nos	267	268	269
Weight	3 oz.	2 oz.	1 oz.
Maydole's Cast Steel..... each	45	40	40 cents.

WEIGHT OF HAMMERS GIVEN DO NOT INCLUDE WEIGHT OF HANDLE.

A large, heavy-duty pry bar, likely made of cast steel, with a curved head and a long handle. The head is inscribed with "DANVILLE CAST STEEL". The handle has a textured grip. The image is a black and white photograph.

A detailed illustration of a Danville Cast Steel hammer head. The head is hexagonal with a textured, cast metal surface. The words "DANVILLE CAST STEEL." are engraved in a bold, sans-serif font on the central face of the head. The head is attached to a handle, which is shown in a cross-section view, revealing a dark, possibly wooden or composite material. The overall style is that of a technical or industrial drawing.

Nos.....	26	26 A	26 B
Weight.....	1½ lbs.	2 lbs.	2½ lbs.
W. & B. Cast Steel, each.....	\$0 95	1 00	1 10

Nos.....	190	191	192	193	194	195	196	197	198
Weight.....	4 lbs.	3 $\frac{5}{8}$ lbs.	3 $\frac{3}{8}$ lbs.	3 lbs.	2 $\frac{3}{4}$ lbs.	2 $\frac{1}{2}$ lbs.	2 $\frac{1}{3}$ lbs.	2 lbs.	1 $\frac{3}{4}$ lbs.
Each.....	\$1 40	1 35	1 25	1 20	1 15	1 10	1 05	1 00	0 95

Nos.....	54	54 A	54 B
Weight.....	Over 5 lbs.	3 to 5 lbs.	Under 3 lbs.
Per pound.....	12	15	16 cents.

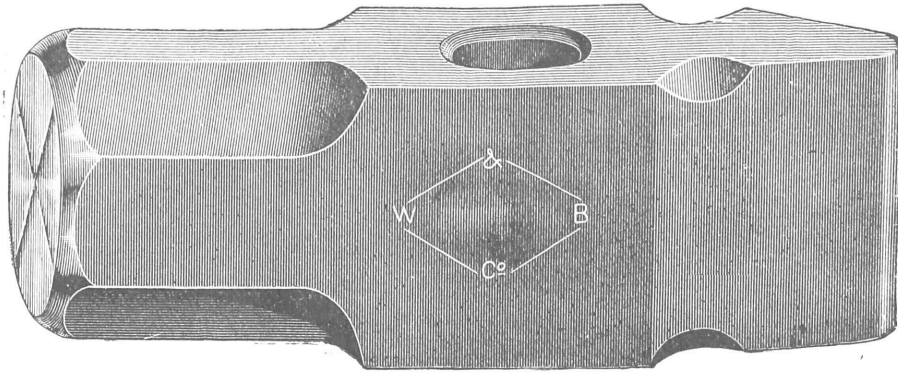
Nos.....	180	181	182	183	184	185	186	187	188
Weight ...	4 lbs.	3½ lbs.	3¾ lbs.	3 lbs.	2¾ lbs.	2½ lbs.	2¼ lbs.	2 lbs.	1¾ lbs.
Each....	\$1 35	1 30	1 20	1 15	1 10	1 05	1 00	0 95	0 90

Nos.	50	50 A	50 B
Weight.....	Over 5 lbs.	3 to 5 lbs.	Under 3 lbs.
Per pound.....	26	29	32 cents.

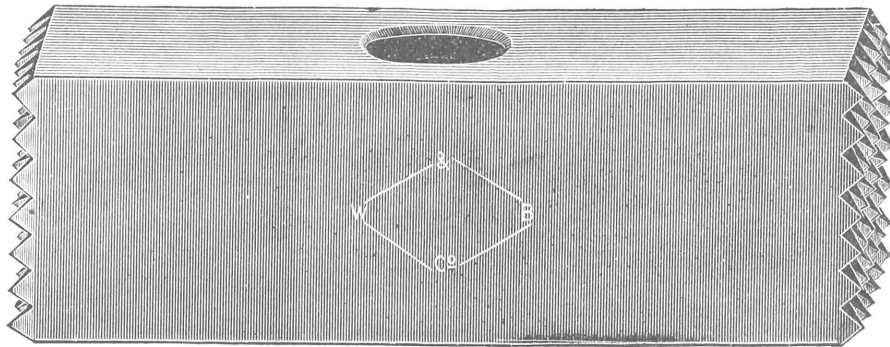


No. 867	No. 1238				No. 1248
Weight.....	2	3	4	6	8 oz.
No. 1238 —Pin Hammers, unhandled.....each	30	30	30	35	40 cents.
Weight.....	..	..	6	8	10 oz.
Width of Pin	..	..	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$ inch.
No. 1248 —Veneer Hammers, unhandled.....each	..	..	40	45	50 cents.
“ 867 —2 lb. Joiners' Framing Hammer, unhandled, “	..	..	..	..	60 “
“ 868 —2 $\frac{1}{2}$ “ “ “ “ “	..	..	..	..	75 “

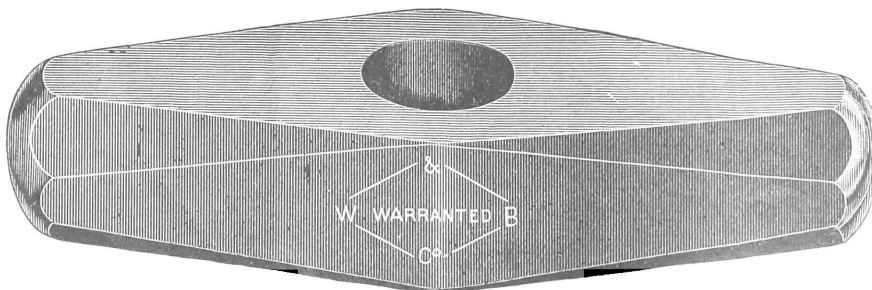
THE WEIGHTS GIVEN ARE FOR SINGLE HAMMERS, AND DO NOT INCLUDE WEIGHT OF HANDLE

Blacksmiths' Sledges**SOLID STEEL, OIL FINISH, POLISHED FACE AND PIN****No. 46**—Weight, from 4 to 30 lbs.

per lb. 10 cents

Bush Hammers**MADE FROM THE FINEST TOOL STEEL****No. 53**—Weight, from 3 to 8 lbs.

per lb. 75 cents.

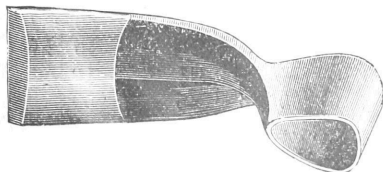
Napping Hammers**SOLID STEEL, OIL FINISH, POLISHED FACE**

Nos.....
 Weight.....
 Price.....per lb.

58
 Over 5 lbs.
 13

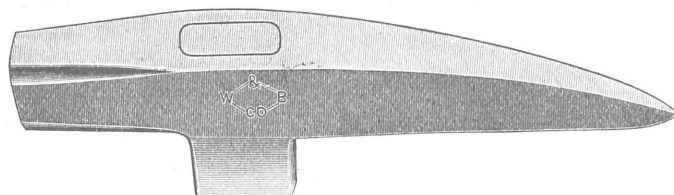
58 A
 3 to 5 lbs.
 14

58 B
 Under 3 lbs.
 17 cents.

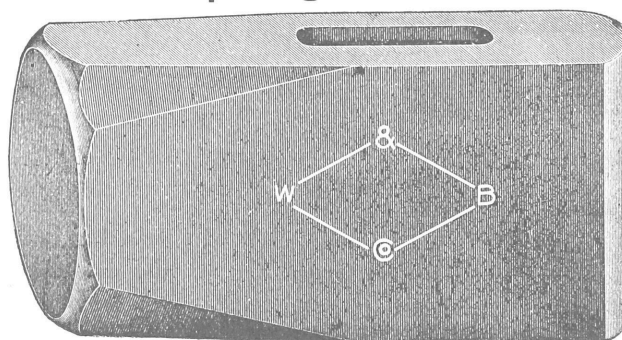
**Grub Hoes**

Grub Hoes, Round Eye, 4½ inch Cutter	..	..	each 60 cents.
Grub Mattocks, Adze Eye, Short Cutter, 4½ inch	..	..	" 65 "
" " Long " 6 "	..	..	" 75 "

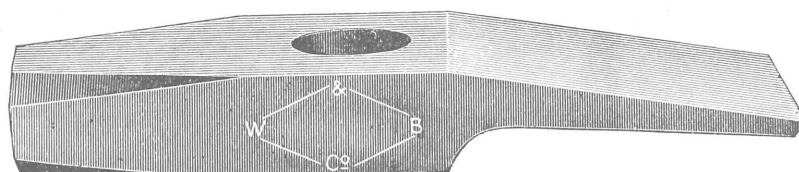
PRICES ARE ALL SUBJECT TO CHANGE WITHOUT NOTICE

W. & B. Prospectors' Pick**ADZE EYE, FULL POLISHED AND HANDLED.**

Nos.....	64A	64B	64C
Weight.....	1½ lbs.	2 lbs.	2½ lbs.
Whitman & Barnes, Price each	70	75	80 cents
Nos.....		382	383
Weight.....		1 lb. 8 oz.	1 lb.
Maydole, Price each		\$1 10	1 00

Prospecting Hammers

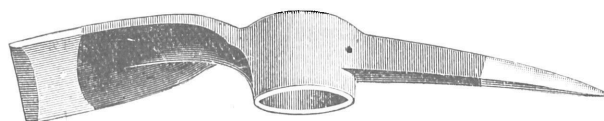
Nos.....	281	282	283
Weight.....	2 lbs.	1 lb. 12 oz.	1 lb. 6 oz.
Each.....	1 10	1 00	90 cents

Tinner's Hammers**PANEING OR SETTING**

Nos.....	17	17A	17B	17C
Weight.....	1½ lbs.	1 lb.	¾ lb.	½ lb.
Price each.....	55	50	45	40 cents

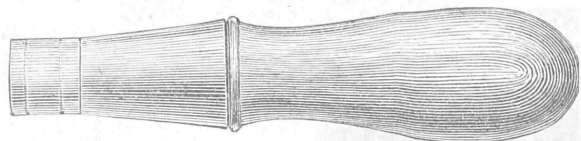
Railroad Picks**RAILROAD OR CLAY PICKS, ADZE EYE, STEEL POINTED**

Weights, assorted.....	5 to 6 lbs.	6 to 7 lbs.
Price, each.....	50	55 cents.



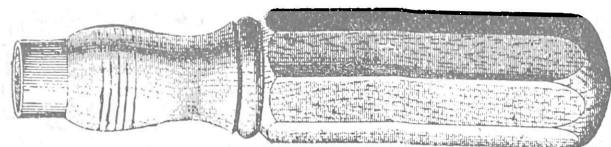
Adze eye Pick Mattocks, 5 to 6 lbs., price each	60 cents
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DO YOU BUY YOUR WHEELBARROWS FROM US? IF NOT, WHY?

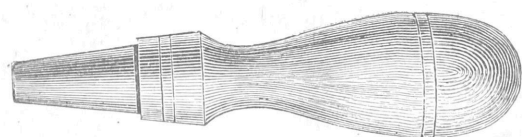
**Firmer Chisel Handles**

Brass Ferrules.

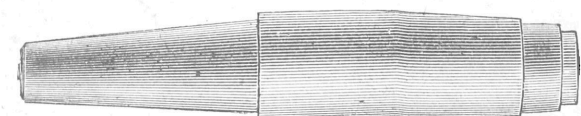
Apple Chisel Handles.....	per doz.	\$0 50	each	0 05
Hickory " "	"	40	"	04



Octagon Boxwood Chisel Handles, per doz.	\$1 20	ea.	\$0 12
Round " " " "	\$0	"	08

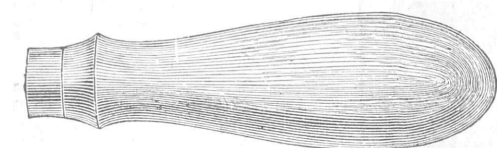
**Socket Firmer Chisel Handles**

Hickory	per doz.	\$0 35	each	\$0 04
Apple	"	40	"	04

**Socket Framing Chisel Handles**

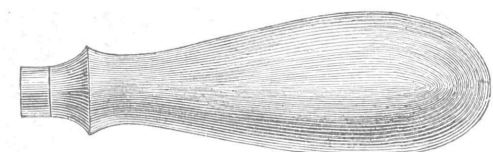
With Malleable Iron Ferrules.

Hickory	per doz.	\$0 45	each	\$0 05
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**File Handles**

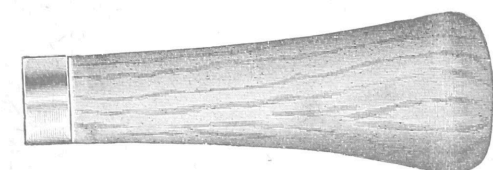
Brass Ferrules.

Basswood File Handles.....	per doz.	\$0 25	each	\$0 03
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**Brad Awl Handles**

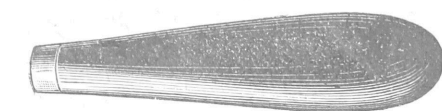
Brass Ferrules.

Applewood Brad Awl Handles	per doz.	\$0 25	each	\$0 03
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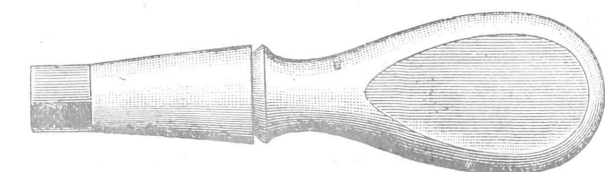
**Carving Tool Handles**

Brass Ferrules.

No. 111—Applewood	per doz.	\$0 95	each	\$0 10
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No. 106—Applewood	per doz.	\$0 80	each	\$0 08
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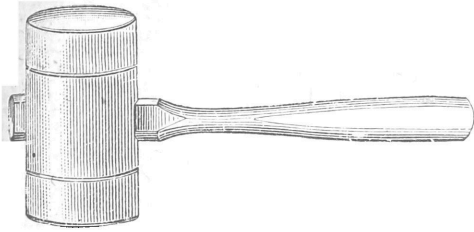
**Screw Driver Handles**

4 inch Beechwood	each	7 cents.
5 " "	"	8 "
6 " "	"	9 "
7 " "	"	10 "

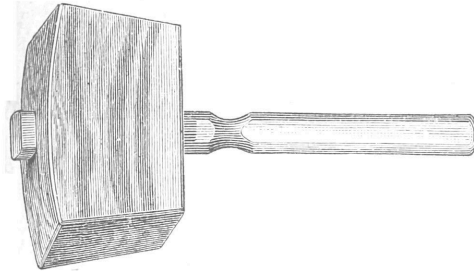
**Brass Chisel Handle Ferrules**

No.....	00	0	1	2	3	4	5	6	7	8	9	10	11
Diameter	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	4 inch
Per dozen	15	13	11	10	8	8	7	6	5	4	4	3	3 cents

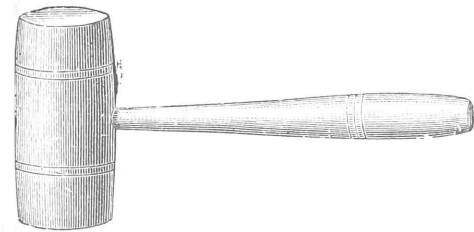
ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

**Mallets****Morticed Handles.**

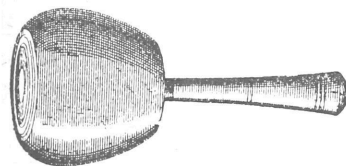
No. 1	—Round Hickory, Morticed, 5 in. long, 3 in. diam...	each	\$0 15
2	" " " " 5½ " 3½ " " "	"	20
3	" " " " 6 " 4 " " "	"	25
5	" Lignumvitæ, " 5 " 3 " " "	"	30
6	" " " " 5½ " 3½ " " "	"	35
7	" " " " 6 " 4 " " "	"	45



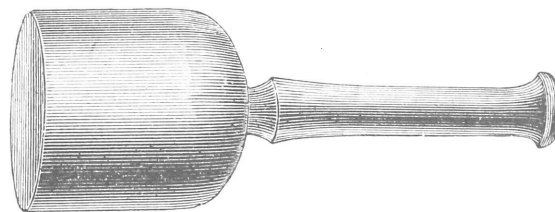
8	—Square Hickory " 6 " 2½ by 3½ in. " "	20
9	" " " " 6½ " 2¾ by 3¾ in. " "	25
10	" " " " 7 " 3 by 4 in. " "	30
11	" Lignumvitæ, " 6 " 2¾ by 3½ in. " "	40
12	" " " " 6½ " 2¾ by 3¾ in. " "	45
13	" " " " 7 " 3 by 4 in. " "	50

**Tinners' Mallets**

No. 4	—Round Hickory, 5½ in. long, assorted, 2¼ and 2½ in. diam.	each	\$0 10
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**Carvers' Mallets**

No. 70	—Lignumvitæ Head, 3½ inch diam.	each	\$0 50
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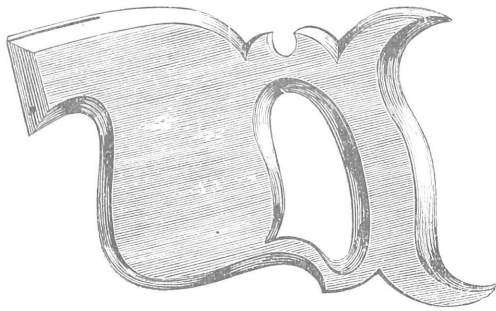
No. 156	—Lignumvitæ, Polished, head 4½ in. long, 3¾ in. face	each	\$0 40
157	" " " " 4½ " 3½ " " "	"	40
158	" " " " 4½ " 3¼ " " "	"	35
159	" " " " 4½ " 3 " " "	"	35

Handles

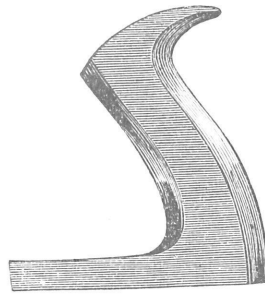
Adze Eye Nail Hammer Handles, second growth Hickory, 14 inch	each	\$0 08
Machinists' Hammer Handles, second growth Hickory, 12, 13, 14 inch	"	08
" " " " " 16, 18 inch	"	10
Rivetting " " " " 12, 13, 14, 15 inch	"	08
Bench Axe Handles, second growth Hickory, 16 and 18 inch	"	10
Axe Handles, Extra selected second growth Hickory, 36 inches	"	25
Adze " " " " 34 " "	"	30
Sledge " " " " 32, 34, 36 inches	"	20
Pick " " " " 36 inches	"	30

BE SURE YOU SEND SUFFICIENT POSTAGE FOR GOODS GOING BY MAIL

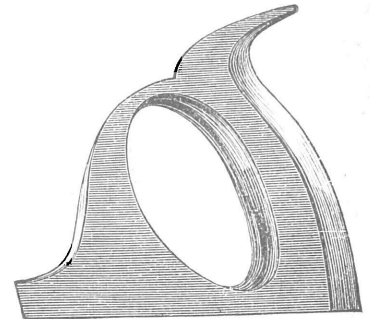
Hand Saw and Plane Handles



Saw

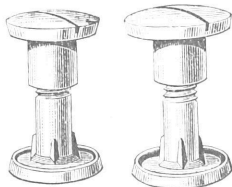


No. 10



No. 12

No. 2 —Hand, Panel and Rip Saw Handles, Beech, Varnished Edges.....	each	\$0 12
“ D8 — “ “ “ “ Varnished, for Disston's No. D8 Saw.....	“	35
“ 76 — “ “ “ “ “ “ “ 76 “	“	35
“ 10 —Jack Plane Handles	“	05
“ 12 —Fore or Jointer Plane Handles.....	“	08



No. 1

No. 2



No. 3

Brass Saw Screws

No. 1	each	\$0 04
“ 2	“	04
“ 3 —Small Eagle... ..	“	05
“ 4 —Large “	“	06

Patent Cross-cut Handles

No. 3 Loop Handle.....	per pair,	\$0 15
No. 2 Climax Handle.....	“	25
One Man Cross-cut Saw Handle	each	25

Tool Baskets

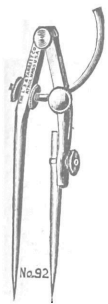
Nos.	3	4	5	6
Bound.....each	25	30	40	... cents
Bound and Lined... “	40	45	55	65 “

Carpenters' Aprons

Heavy quality duck.....	each	25 cents
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All Tools on preceding pages of this catalogue we guarantee to be perfect in material, workmanship and temper, to be free from flaws, and to do the work for which they are intended.

BUY YOUR PAINTS AND OILS FROM US AND HAVE THE BEST.

Patent Dividers, No. 92

This cut shows an improved divider with patented features, which make it the best thing in its line yet produced. Both points are crucible forged steel, nicely tempered. The quadrant passes through the leg, which is split. The clamp screw springs the slit parts and frictionally locks the quadrant firm. The screw threads have stock enough to last a lifetime. After fine adjustments are made, the patent lock nut between the arms locks the springs in the leg firm, curing the defect in the old style dividers of the points dodging out and in with the grain of the wood. The adjustable point may be instantly removed and a common pencil inserted in its place. The dividers are light yet rigid and pretty to handle, and are worth twice the price of the cheap malleable dividers on the market.

Size.....	6 in.	7 in.	8 in.	9 in.
Plain.....	\$0 85	0 90	1 00	1 15
Nickel.....	1 10	1 15	1 25	1 40

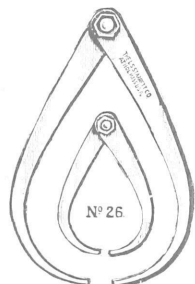
Sent plain, unless otherwise ordered.

**PRICES**

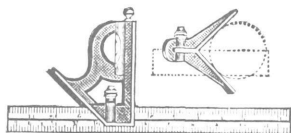
3 inch	..	..	..	..	\$0 40
4 "	..	..	..	..	50
5 "	..	..	..	..	55
6 "	..	..	..	..	65
8 "	..	..	..	..	80
10 "	..	..	..	..	90
12 "	..	..	..	..	1 00
14 "	..	..	..	..	1 50
16 "	..	..	..	..	1 75
18 "	..	..	..	..	2 10
20 "	..	..	..	..	2 50
24 "	..	..	..	..	3 00
30 "	..	..	..	..	5 00
36 "	..	..	..	..	6 00

The above sizes refer to the length of the calipers.

Their capacity is about one-third greater than the size given; for example, the 30 inch size will caliper 38 inch, and the 36 inch size will caliper 46 inch diameter.

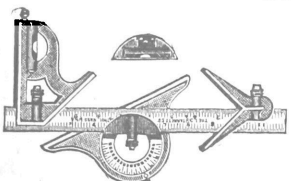


The improvement in these calipers consists in the construction of the joint, which is so made as to be drawn together by means of a screw. The main stud is squared and fitted to one leg, thus preventing the stud from turning when loosening and tightening, and insuring a SMOOTH and UNIFORM friction, of more or less tension to suit the user. The quality of these calipers is incomparably superior to that of any old style riveted-joint caliper on the market.



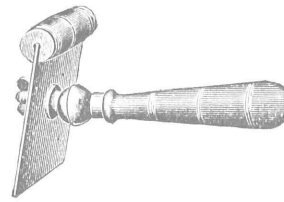
**Starrett Patent
Combination Square
No. 11**

With Hardened Blade.

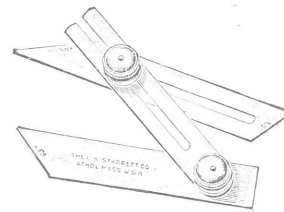


**Combination Sets
No. 9**

With Hardened Blade.

Universal Scraper, No. 194

This scraper has all edges ground perfectly square, which by using both sides gives it eight sharp cutting edges, any one of which can almost instantly be brought into use by means of the ball joint connecting handle. By a slight turn of same the ball joint is frictionally locked or released, or placed at any angle desired to get into corners and to tip the scraper blade so as to give the most effective cut. The head piece, which may be instantly slipped off and on either end or side of the scraper, together with the finely shaped handle, enables one to use it with a strong, firm grip, bearing on either heavily or lightly to effect the best results, in fact it is the neatest and best scraper in its line ever made, for use on floors, benches, meat blocks, etc. Each...\$0 75

Combination Bevel, No. 49

This bevel has a stud riveted in the straight edge stock or head, on which its split blade is hinged, so as to swing over the stock, and be clamped at any angle. The slotted auxiliary blade with clamp bolt may be slipped on to the split blade and be clamped at any desired angle and used, in combination with the stock of the other, for laying out work, measuring, or showing any angle desired, and, when so combined, will lie flat upon its work. The stock is about 4 inches long. Price.....\$2 00

**Center Gauges**

For use in grinding and setting screw cutting tools.

No. 390—Not tempered, graduated one corner each
in 32nds, 24ths, 20ths and 14ths \$0 25
“ **391**—Spring tempered 35

Every tool warranted accurate. With the adjustable scale this forms one of the most convenient and useful tools ever devised for mechanics' use. It is a complete substitute for a whole set of common try squares, and is one of the best gauges made for transferring exact measurements or laying out work. It is also convenient for a depth gauge, or to square in a mortise. For a mitre it is perfect, while with the auxiliary center head it forms a centering square, both inside and outside, which for convenience and accuracy has no equal. The blades are hardened and graduated with heavy figures, reading both ways.

Prices, 4 inch, without center head or level	\$0.75
“ 6 “ with centre head.....	\$1.50, without, 1.00
“ 9 “ “ “	1.75 “ 1.25
“ 12 “ “ “	2.00 “ 1.50
“ 18 “ “ “	2.75 “ 2.25
“ 24 “ “ “	3.25 “ 2.75

The 6, 9, 12, 18 and 24 inch have levels (in their stocks) and center heads, and will be sent complete unless otherwise ordered. The 18 and 24 inch have same stock as 12 inch.

Each head may be instantly removed, or replaced and used interchangeably with the scale, thus forming the most useful combination set of tools ever devised for mechanics' use.

Prices, 9 inch, set complete	\$3 75
“ 12 “ “ “	4 00
“ 18 “ “ “	4 75
“ 24 “ “ “	5 25

Cold Chisels

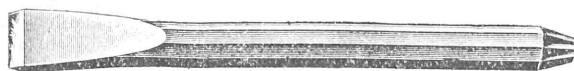
English Cast Steel

Size	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	1 inch
Price, each	15	20	25	30	30	35	40	65 cents

Cape Chisels

English Cast Steel.

Size	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$ inch
Price, each	13	14	15	20	25 cents

Steel Ripping Chisel

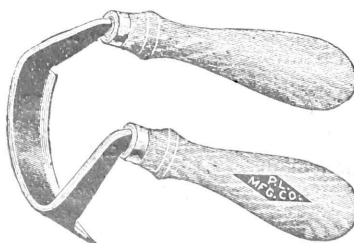
No. 1262

Sizes	8	10	12	14 inch
Price, each	30	35	45	50 cents

Bent Claw Wrench

No. 1261

Size	8	10	12 inch
Price, each	35	40	50 cents

Box Scraper

No. 808

Price, each	60 cents
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ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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