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PRICE LIST

AND

ILLUSTRATED CATALOGUE

OF

HARDWARE,

IRON AND STEEL,

FOR SALE BY

CAROLAN, CORY & CO.

· 117 & 119 CALIFORNIA STREET,

AND

120 FRONT STREET,

SAN FRANCISCO,

CALIFORNIA.

H. S. CROCKER & CO.,
PRINTERS,
215, 217 & 219 BUSH STREET,
SAN FRANCISCO.

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Discounts or Net Prices will be furnished
on application.

Loose Joint Cast Butts, Drilled.



Nos 60 and 61. Full size cut of 3x3 inch.

PANELED, DRILLED, LOOSE JOINT.

We send half Right Hand and half Left, unless otherwise ordered.

No. 60, Not Japanned.

Inch,	2 x 2	2 x 2½	2½ x 2	2½ x 2½	3 x 2½	3 x 3	3 x 3½	3½ x 3
Per dozen pairs,	\$1 00	1 10	1 20	1 35	1 60	1 75	1 95	2 15
Inch,	3½ x 3½	3½ x 4	4 x 3½	4 x 4	4 x 4½	4½ x 4	4½ x 4½	4½ x 5
Per dozen pairs,	\$2 35	2 50	2 70	2 90	3 20	3 50	4 00	4 20
Inch,	5 x 4½	5 x 5	5 x 5½	5 x 6	5½ x 5½	6 x 6	6 x 6	6 x 7
Per dozen pairs,	\$5 00	5 50	5 70	6 50	6 50	7 60	7 60	8 50

No. 61, Japanned.

Inch,	2 x 2	2 x 2½	2½ x 2	2½ x 2½	3 x 2½	3 x 3	3 x 3½	3½ x 3
Per dozen pairs,	\$1 65	1 80	2 00	2 20	2 45	2 65	2 85	3 00
Inch,	3½ x 3½	3½ x 4	4 x 3½	4 x 4	4 x 4½	4½ x 4	4½ x 4½	4½ x 5
Per dozen pairs,	\$3 20	3 40	3 85	4 10	4 40	4 60	5 00	5 60
Inch,	5 x 4½	5 x 5	5 x 5½	5 x 6	5½ x 5½	6 x 6	6 x 6	6 x 7
Per dozen pairs,	\$6 00	6 60	7 15	7 70	7 70	9 35	9 35	10 45

3 x 2½ in. and smaller, 1 doz. pairs (all one hand) in a box; 3 x 3 to 4½ x 4 in. ½ doz; 4½ x 4½ in. and larger ¼ doz.

With Steel Washers.

With Steel Washers.

add 80 cents to above list.

Loose Pin Acorn Butts, Drilled.



Nos 142, 143 and 146. Full size cut of 3x3 inch.

EITHER RIGHT OR LEFT HAND.

No. 142, Not Japanned, with Acorns.

Inch,	2 x 2	2½ x 2	2½ x 2½	3 x 2½	3 x 3	3 x 3½	3½ x 3	3½ x 3½	3½ x 4	
Per dozen pairs,	\$1 00	1 20	1 35	1 60	1 75	1 95	2 15	2 35	2 50	
Inch,	4 x 3½	4 x 4	4 x 4½	4 x 5	4½ x 4	4½ x 4½	4½ x 5	5 x 5	5½ x 5½	6 x 6
Per dozen pairs,	\$2 70	2 90	3 20	4 00	3 50	4 00	4 20	5 50	6 50	7 60

No. 143, Japanned Butts, Japanned Acorns.

Inch,	2 x 2	2½ x 2	2½ x 2½	3 x 2½	3 x 3	3 x 3½	3½ x 3	3½ x 3½	3½ x 4	
Per dozen pairs,	\$2 50	2 80	3 00	3 30	3 50	3 65	3 80	4 00	4 40	
Inch,	4 x 3½	4 x 4	4 x 4½	4 x 5	4½ x 4	4½ x 4½	4½ x 5	5 x 5	5½ x 5½	6 x 6
Per dozen pairs,	\$4 70	5 00	5 40	5 80	5 70	6 00	6 60	7 50	9 00	11 00

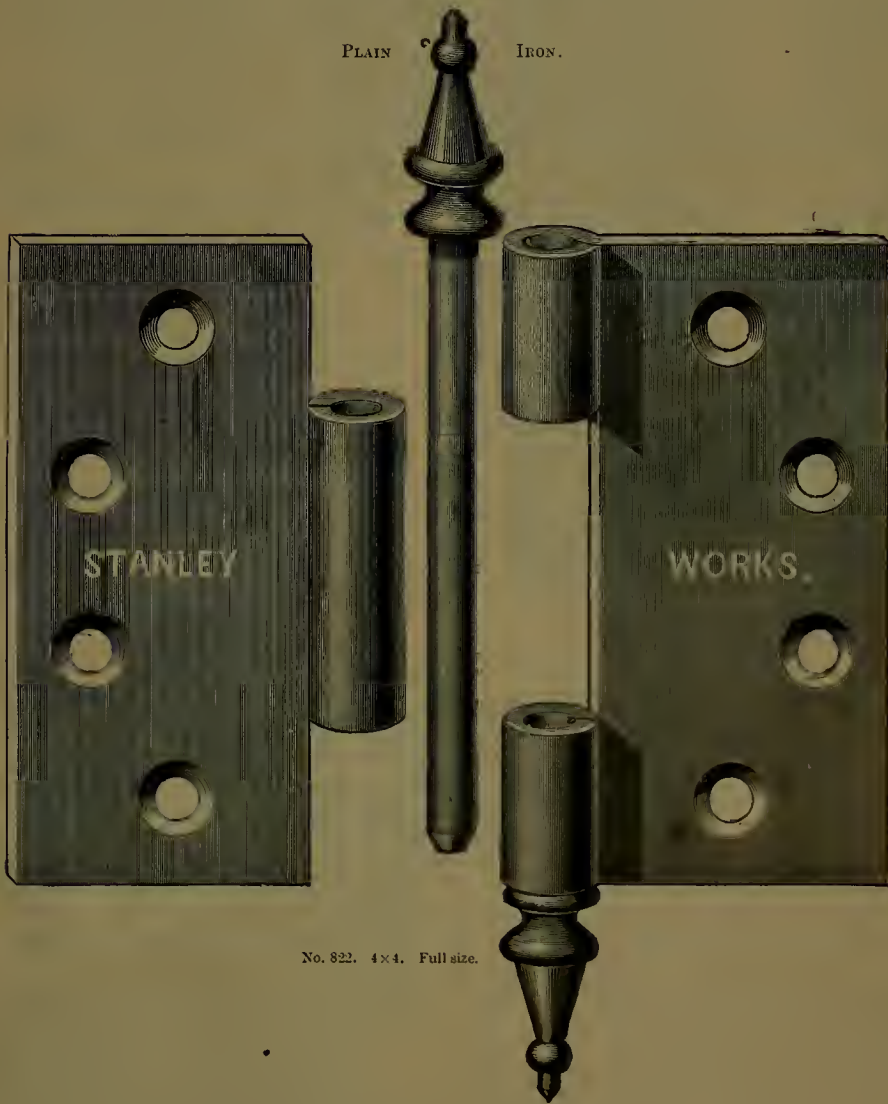
No. 146, Japanned Butts, Nickel-Plated Acorns.

Inch,	2 x 2	2½ x 2	2½ x 2½	3 x 2½	3 x 3	3 x 3½	3½ x 3	3½ x 3½	3½ x 4	
Per dozen pairs,	\$5 60	6 00	6 20	6 40	6 50	7 00	7 50	8 00	8 40	
Inch,	4 x 3½	4 x 4	4 x 4½	4 x 5	4½ x 4	4½ x 4½	4½ x 5	5 x 5	5½ x 5½	6 x 6
Per dozen pairs,	\$8 80	9 20	9 50	10 00	9 70	10 00	10 80	12 50	14 00	16 00

3 x 2½ in. and smaller, 1 doz. pairs in a box; 3 x 3 to 4 x 4½ in. ½ doz; 4½ x 4½ in. and larger, ¼ doz.

Wrought Iron Reversible Butts.

STEEPLE TIPS.

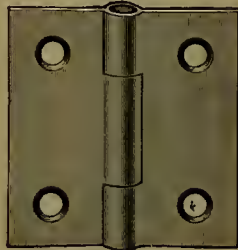


No. 822. 4x4. Full size.

Inch,	$2\frac{1}{2} \times 2\frac{1}{2}$	$3 \times 2\frac{1}{2}$	3×3	$3\frac{1}{2} \times 3$	$3\frac{1}{2} \times 3\frac{1}{2}$	4×4
Per dozen pairs,	\$2 55	2 80	3 00	3 25	3 40	4 25

One-half dozen pairs in a box.

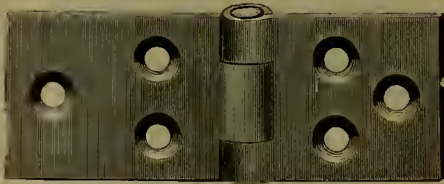
Wrought Iron Butts.



Full size cut of 1 1/2 inch.

Light Narrow, Fast Joint.

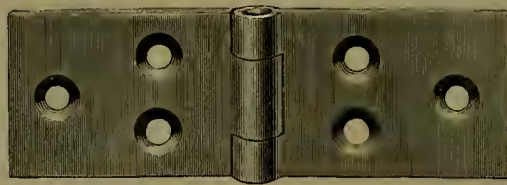
Inch,	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3
Per dozen pairs,	\$0 28	32	36	43	50	60	66	72	90



Full size cut of 1 inch, Table Butts.

Table Butts.

Inch,	3/4	1	1 1/4	1 1/2
Per dozen pairs,	\$0 43	45	56	55
Inch,	1 3/4	1 1/2	1 3/8	1 1/4
Per dozen pairs,	\$0 60	65	70	75
				85



Full size cut of 1 inch, Back Flaps.

Back Flaps.

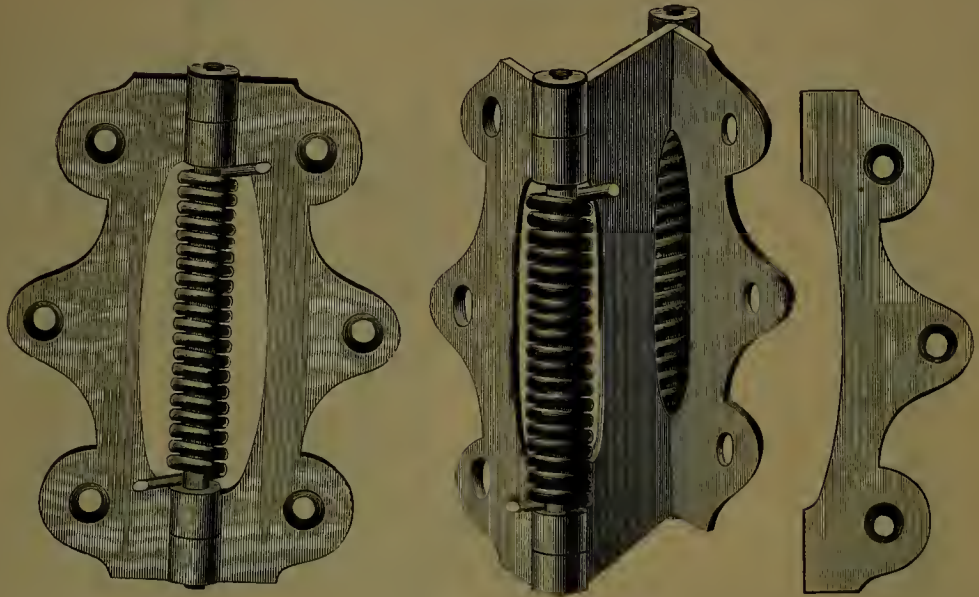
Inch,	3/4	3/4	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	2
Per dozen pairs,	\$0 45	47	50	55	60	65	70	75	80	90

Square Back Flaps.

Inch,	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	2
Per dozen pairs,	\$0 45	50	55	60	65	70	75	85

All the above one dozen pairs in a box.

Spring Hinges.



No. 3.—3-inch; all Brass; Brass Spring;	- - - -	No. 9.	Per dozen pair,	\$ 4 50
No. 9.—3 " " " " " " Double Joint,	- - - -		" "	8 30
No. 303.—3 " Bronzed Iron " " Single "	- - - -		" "	4 40
No. 305.—4 " " " " " " " "	- - - -		" "	6 75
No. 315.—4 " " " " " " Double "	- - - -		" "	13 50

Barker's Patent Double Reversed Joint Butts.

FOR DOORS TO SWING BOTH WAYS, WITH SPRINGS COMPLETE.



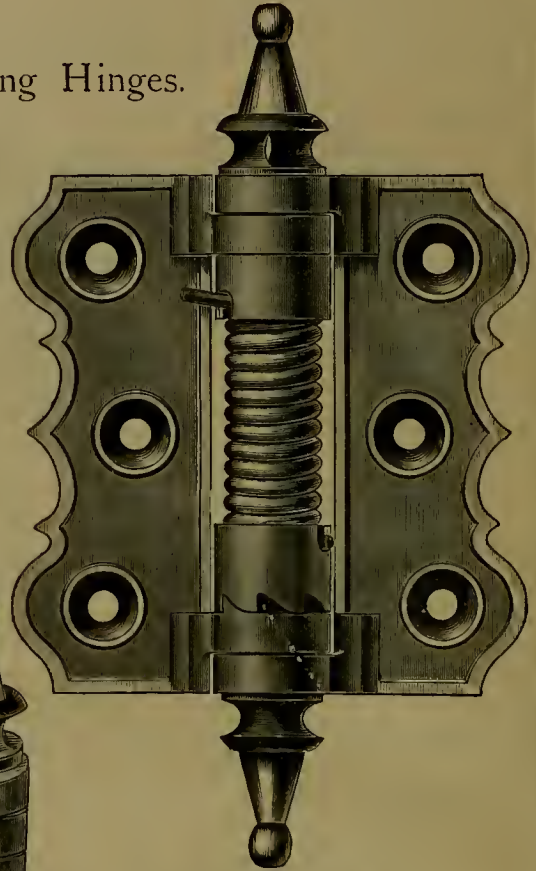
PRICE PER PAIR.

Iron Japanned, with Plated Acorn Tips.

No. 0, for 1 inch doors,	- - - -	\$3 25
No. 1, " 1 1/4 "	- - - -	3 50
No. 2, " 1 1/2 "	- - - -	3 75
No. 3, " 1 3/4 "	- - - -	4 50
No. 4, " 2 "	- - - -	5 25
No. 5, " 2 1/4 "	- - - -	6 75
No. 6, " 2 1/2 "	- - - -	12 00
No. 7, " 2 3/4 "	- - - -	13 75
No. 8, " 3 "	- - - -	15 00

One pair in a box.

Standard Spring Hinges.



No. 1, 3x3, Screen Door Hinge.

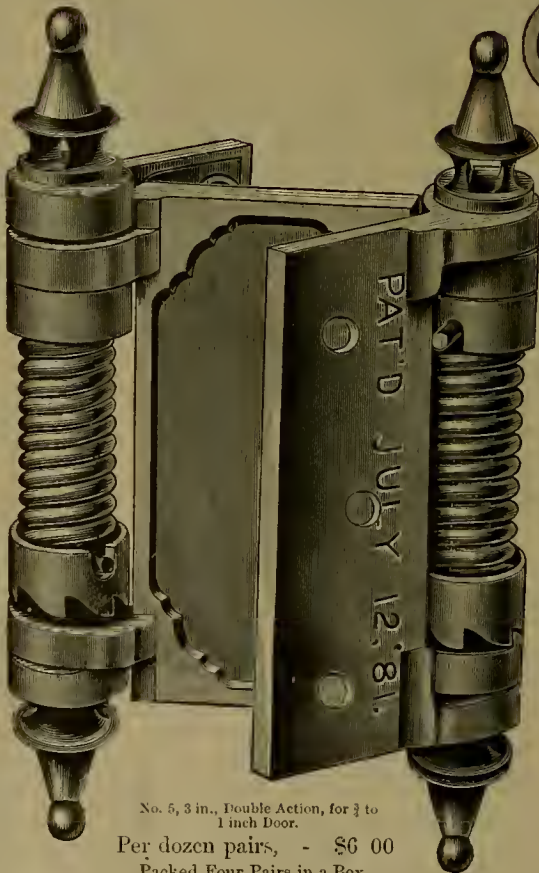
Per dozen pairs, - \$3 00

Packed $\frac{1}{2}$ dozen pairs in Paper Box. 12 Boxes, 6
dozen pairs, in Wood Case.

Berlin Bronzed Standard
Spring Hinges.

TINNED STEEL WIRE SPRINGS.

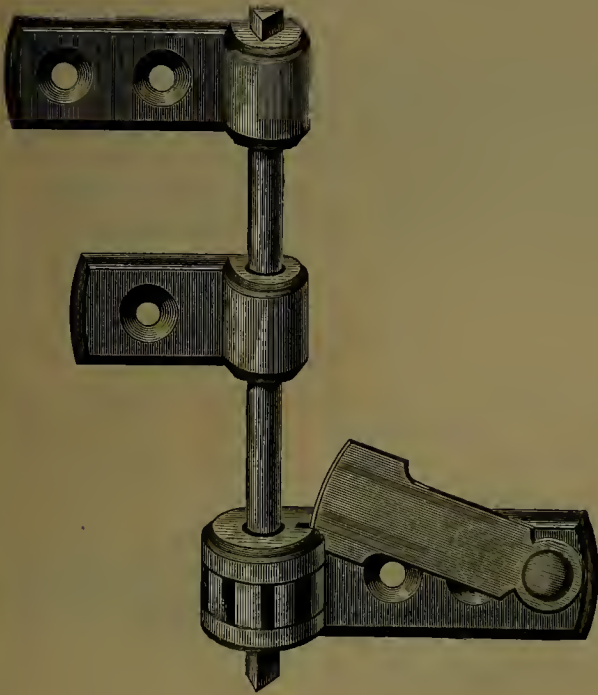
While these Hinges and Springs are fully equal in strength, appearance and durability, and are much more convenient for use than any similar line made, their extreme simplicity of construction enables them to be sold at prices far below those heretofore charged for any goods of the same class.



No. 5, 3 in., Double Action, for $\frac{3}{4}$ to
1 inch Door.

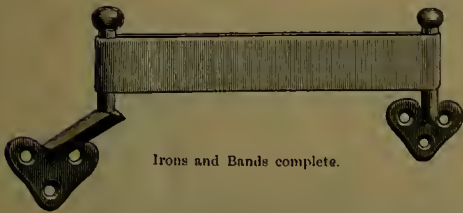
Per dozen pairs, - \$6 00
Packed Four Pairs in a Box.

Door Springs.



TORREY.

STAR.



Irons and Bands complete.

RUBBER COMPLETE AND SEPARATE.

Irons only, Japanned,	per dozen, \$0 60
Rubber Bands only,	" 3 90
Irons and Bands, complete.	" 4 50

Irons only, two dozen in a box. Rubber Bands and complete, one dozen.

Torreys, Malleable Iron, with Steel Rod,	per dozen, \$7 00
Star, No. 4, Japanned, for Screen Doors,	" 1 50
" " 5, " " " "	" 2 00
" " 6, " " Medium "	" 2 75
" " 7, " " Large "	" 4 00
" " 14, Coppered, " Screen "	" 1 50
" " 15, " " " "	" 2 00

Torrey's Springs, packed one dozen in a box.
 Star Springs, Nos. 4 and 14, one dozen in a box.
 Nos. 5, 6, 7 and 15, half dozen in a box.

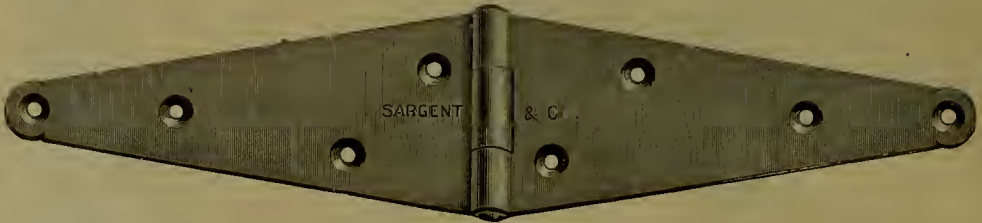
Light Strap Hinges.



Wrought Iron

Inch,	3	4	5	6	7	8	10	12	14	16
Per dozen pairs,	\$1 00	1 20	1 40	1 70	2 25	2 50	3 50	6 00	7 50	9 00

Heavy Strap Hinges.



Wrought Iron.

Inch,	4	5	Inch,	6	8	10	12	14	16
Per dozen pairs,	\$1 40	1 85	Cts. per lb.,	14	13½	13	12½	12	12

Light T Hinges.



Wrought Iron.

Inch,	3	4	5	6	8	10	12	14
Per dozen pairs,	\$1 00	1 10	1 30	1 50	1 80	2 40	3 75	5 50

Heavy T Hinges.



Wrought Iron.

Inch,	6	8	10	12	14	16	18
Per dozen pairs,	\$1 70	2 25	3 25	5 00	7 00	8 00	9 00

Extra Heavy T Hinges.

Wrought Iron.

Inch,	5	Inch,	6	8	10	12	14	16
Per dozen pairs,	\$2 50	Cts. per lb.,	14½	14	13½	13	12½	12½

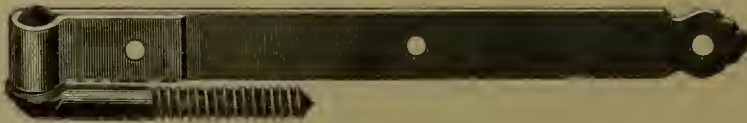
Hinge Hasps or Padlock Hinges.



Wrought Iron

Inch,	3	4½	6	8	10
Per dozen pairs,	\$1 75	2 00	2 25	3 50	4 75

No. 98, Heavy Hook Hinges.



Wood Screw Hook, not Welded.

8, 10 and 12 inch,	per pound,
16, 18 and 20 inch,	"

Hart's Patent Hinge.



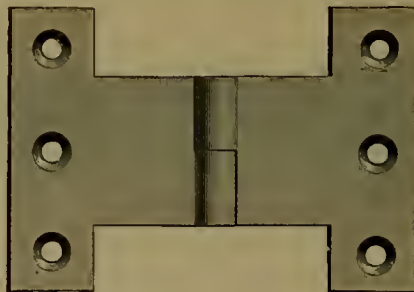
Sizes—inch,	5	6	8	10	12	14
Price per doz. pairs,	\$2 00	2 80	4 40	6 60	9 40	12 00

Long Chest Hinges.



Inch,	6	8	10	12
Per doz. pairs,	\$1 75	2 00	2 50	3 00

Brass and Iron Parliament Butts.



Full size cut of 17 x 2 1/2 inch.

1 3/4 x 2 1/2 inch, size when open, Brass,	per dozen pairs, \$3 70
1 3/4 x 2 1/2 " " " " Iron,	" " 1 00



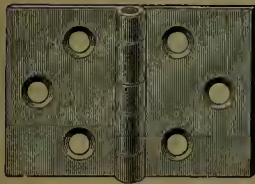
1 inch Narrow.



1 inch Middle.



1 inch Broad.



1 inch Desk.

Wrought Brass Butts.

Narrow.

Inch,	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$
Per dozen pairs,	\$0 38	38	42	48	54	60	67	78	90	96

Inch,	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{3}{4}$	4
Per dozen pairs,	\$1 06	1 23	1 73	1 92	2 12	2 80	3 65	4 48	5 67	7 50

Middle.

Inch,	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$
Per dozen pairs,	\$0 45	45	48	54	60	67	75	87	1 00	1 10

Inch,	$1\frac{1}{2}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{3}{4}$	4
Per dozen pairs,	\$1 17	1 44	1 80	2 34	2 85	3 70	4 38	5 10	6 22	8 00

Broad.

Inch,	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$
Per dozen pairs,	\$0 50	50	52	60	72	80	84	1 00	1 12	1 30

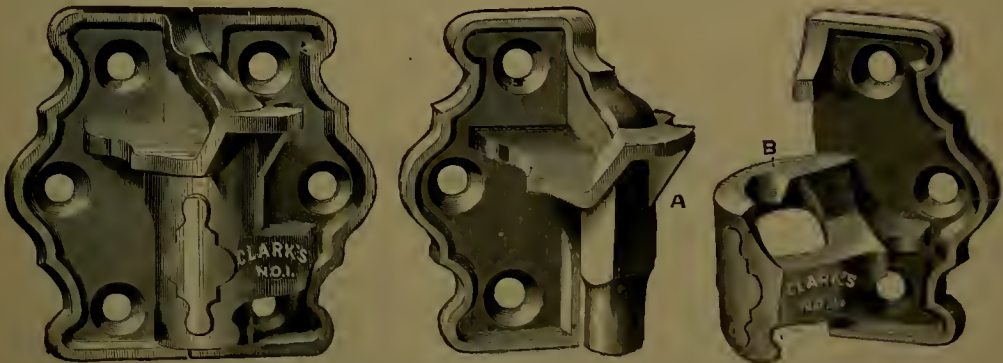
Inch,	$1\frac{1}{2}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{3}{4}$	4
Per dozen pairs,	\$1 48	1 70	2 20	2 60	3 09	4 27	5 10	6 60	8 00	10 50

Desk.

Inch,	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$
Per dozen pairs,	\$0 57	60	72	87	1 08	1 27

Inch,	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2
Per dozen pairs,	\$1 50	1 80	2 10	2 70	2 93	3 50

Clark's Patent Blind Hinges.



The genuine Clark's Blind Hinges have the ∇ shaped Pin and Eye with new patent Locking device shown at A and B.

No. 1 surface, for Wood, throws the Blind $1\frac{1}{4}$ in. from Casing; Per doz. sets \$3 50.

(Full cases contain six dozen.)

Approximate Weights of Strap and T Hinges.

Weight per dozen.

Heavy Strap Hinges.									
Size—inch,	4	5	6	8	10	12	14	16	
Weight—lbs.,	6½	10½	19	32	52	75	85	103	

Extra Heavy T Hinges.									
Size—inch,			6	8	10	12	14	16	
Weight—lbs.,			20½	34	55	78	90	103	

STRAP AND T HINGES ARE COUNTERSUNK FOR SCREWS.

Inch,		3	4	5	6	8	10	12	14	16	18
Light Strap—size Screws,		6	7	8	9	10	10	12	13	13	..
Heavy Strap,		9	9	11	12	14	16	16	16	16	..
Light T,		7	7	8	8	9	10	11	12	..	..
Heavy T,		..	..	9	10	11	12	13	13	13	13
Extra Heavy T,		..	..	10	11	13	14	16	16	16	..
Hinge Hasps,		6	7	..	9	10	10	12	..	..	..

Wrought Butts.

Countersunk for Screws.

Table Butts and Back Flaps.												
Inch,					1	1½	1¾	1¾	1½	1½	1½	2
Size Screw,					6	6	7	7	8	8	9	9

Narrow Wrought Butts.

Inch,	1	1½	1½	1¾	2	2½	2½	2¾	3	3½	3½	3¾	4	4½	5	5½	6
Screws,	5	6	7	7	8	8	9	9	10	12	12	12	12	14	14	14	14

Light Narrow and Light Loose Pin.

Inch,						3	1	1½	1½	1¾	2	2½	2½	3
Screw,						2	3	3	5	5	6	6	6	7

Loose Pin or Broad.

Size,	2 × 2 to 2½ × 2	2½ × 2½ to 3 × 3	3 × 3½	3½ × 3 to 4½ × 4	4½ × 4½ to 5½	5 × 5 to 6 × 7
Screw,	9	10	11	12	13	14

Cast Butts

ARE COUNTERSUNK FOR SCREWS AS FOLLOWS:

Narrow, Fast or Loose Joint.

Inch,	1½	1¾	2	2½	3	3½	3½	4	4½	5	6
Screw,	6	7	7	8	8	10	10	10	12	14	14

Parliament.

Inch,					2½ to 3½	3¾ and 4	4½ to 7½	8 and 8½
Screw,					8	10	11	13

Broad, Fast, and Loose Joint and Loose Pin.

Inch,	2 × 2 to 2½ × 3	3 × 2½ to 3½ × 3½	3½ × 4	3½ × 5	4 × 3	4 × 3½ to 4½ × 4½	4½ × 5 and upwards.
Screw,	8	10	11	10	10	11	13

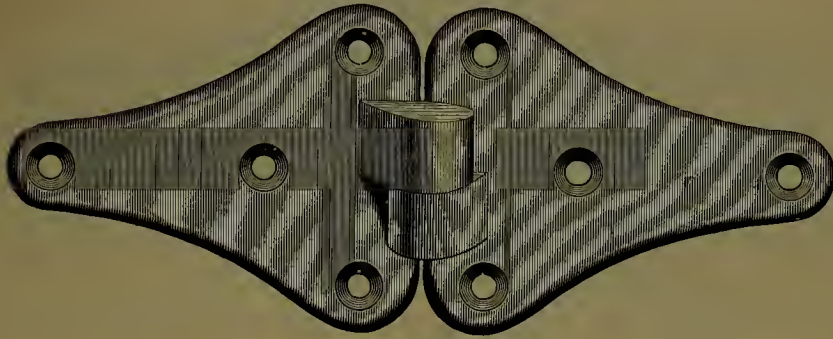
Width of Brass Butts, when open.

Size—inch,	¾	1	1½	1½	1½	1½	1¾	1¾	2	2½	2¾	3	3½	3½	..
Narrow—width,	2	2	2	2	2	2	2	2	2	2	2	2	2	2	..
Middle,	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..
Broad,	1	1	1	1	1	1	1	1	1	1	1	1	1	1	..
Desk,	1½	1½	1½	1½	2	2½	2½	2½	2½	3	..	..	..	..	..

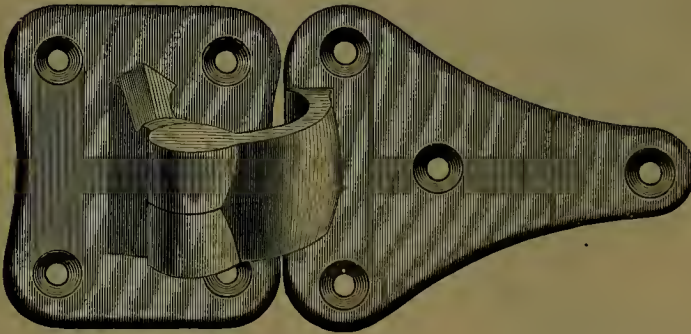
Brass Butts are countersunk for Screws as follows:

Size—inch,	¾	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Narrow—Size of Screw,	0	1	1	2	2	3	4	4	4	4	5	5	5	5	6	6	7
Middle,	0	1	1	2	2	3	4	4	4	4	5	5	5	5	6	6	7
Broad,	0	1	1	2	2	3	4	4	4	4	5	5	5	5	6	6	7
Desk,	1	2	2	4	4	4	4	4	5	5	6	6	7	7	7	7	8

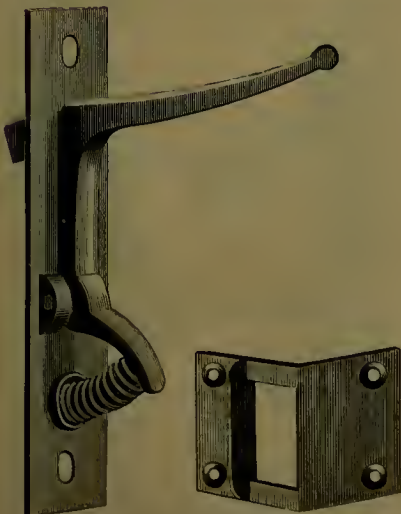
New England Gate Hinges.



Half size cut of Upper Hinge.



Half size cut of Lower Hinge.



Half size cut of Upright Latch with No. 105.

SELF SHUTTING.

We send half Right Hand and half Left, unless otherwise ordered.

Without Latch.

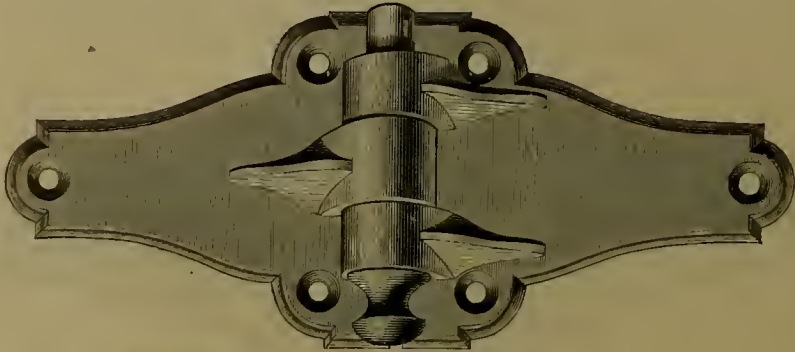
No. 104, Without latch, . . . per doz. sets, \$6 25

With Latch.

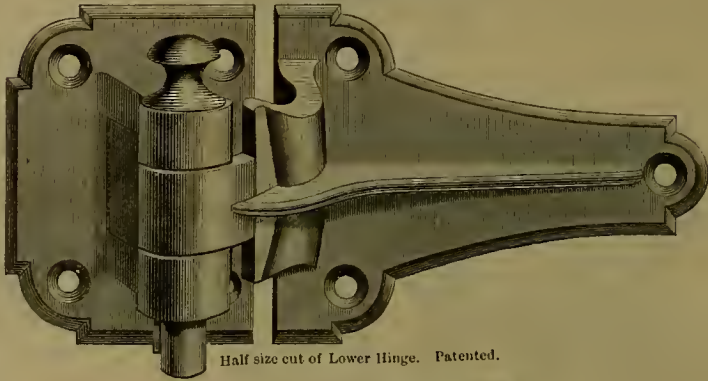
No. 105, With No. 1 Upright Latch, per doz. sets, \$7 70

One-twelfth dozen sets in a package.

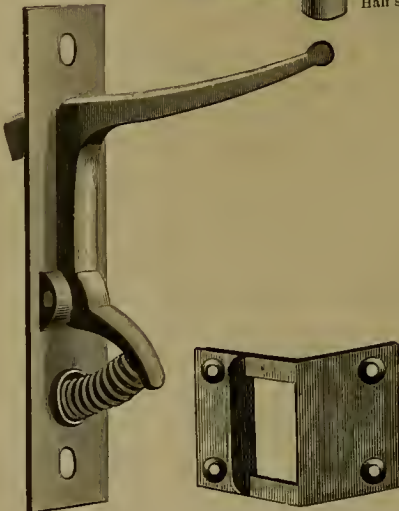
Reversible Gate Hinges.



Half size cut of Upper Hinge. Patented.



Half size cut of Lower Hinge. Patented.



Half size cut of Upright Latch with No. 115.



Half size cut of Rhoad's Latch with No. 116.

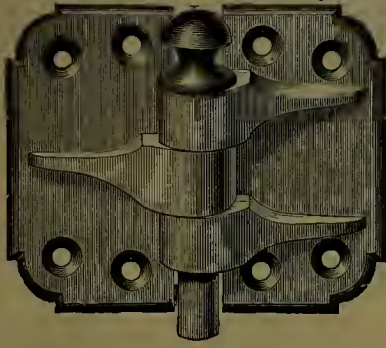
EITHER RIGHT OR LEFT HAND.

Self-Shutting, New England Pattern

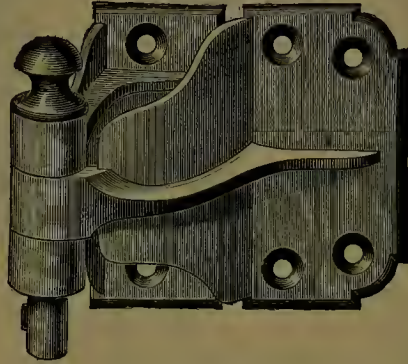
No. 114, Without Latch,	per dozen sets, \$6 20
No. 115, Complete with No. 1 Upright Latch,	" " 7 65
No. 116, " " No. 22 Rhoad's Latch,	" " 7 45

One-twelfth dozen sets in a package.

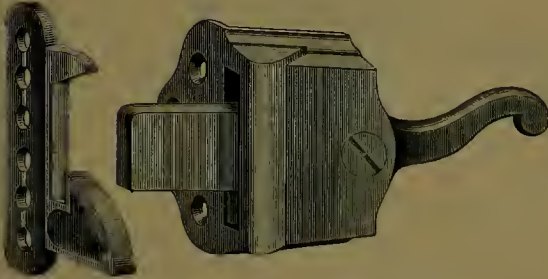
Reversible Gate Hinges.



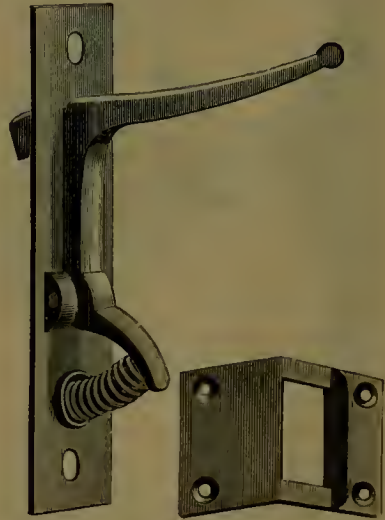
Half size cut of Upper Hinge.



Half size cut of Lower Hinge.



Half size cut of Patent Latch with No. 127.



Half size cut of Upright Latch with No. 125.



Half size cut of Rhoad's Latch with No. 126.

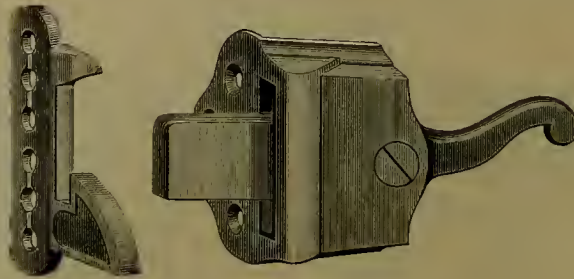
EITHER RIGHT OR LEFT HAND.

Self-Shutting.

No. 124, Without Latch,	per dozen sets,	\$4 00
No. 125, With No. 1 Upright Latch,	" "	5 45
No. 126, " No. 20 Rhoad's Latch,	" "	5 00
No. 127, " No. 7 Patent Latch,	" "	6 00

One-twelfth dozen sets in a package.

No. 7, Surface Gate Latches.



Half size cut of No. 7. Patented.

Japanned.

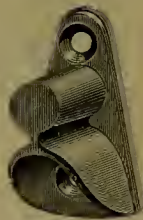
No. 7, Japanned,

per dozen, \$1 55

Rhoad's Patent Gate Latches.



Half size cut of No. 22.



Japanned.

No. 19, Japanned, per dozen, \$0 90

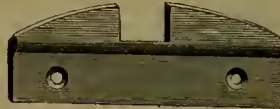
" 20, " " 1 00

" 21, " Heavy, " 1 15

" 22, " Extra Heavy, " 1 25

Top Gate Latches.

Catch for No. 14.



Catch for No. 16.



Latch of both Nos. 14 and 16. Half size cuts.

Japanned.

No. 14, Japanned,

per dozen, \$ 1 65

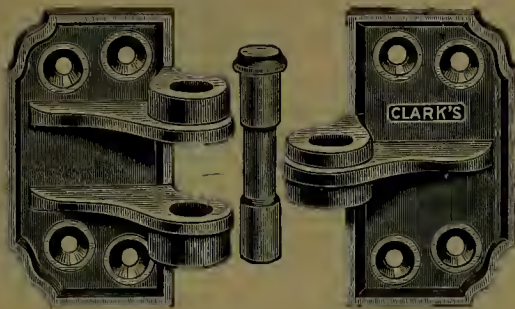
" 16, "

" 1 65

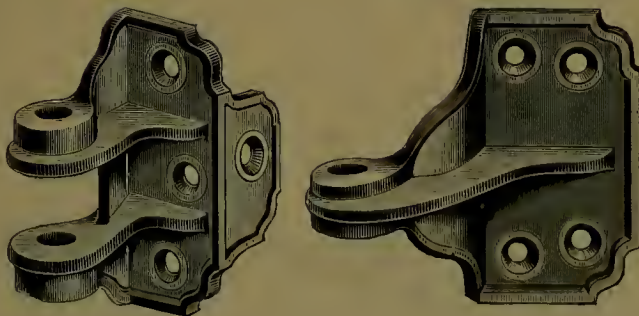
All the above Latches half dozen in a package.

Gate Hinges.

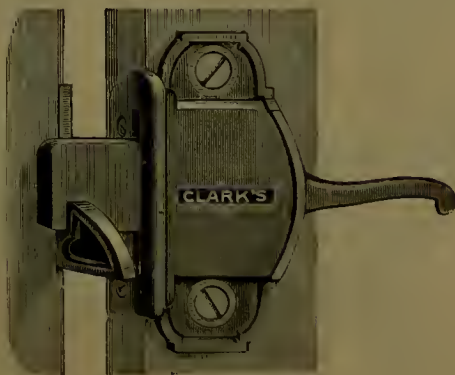
Clark's Reversible Gate Hinges, to swing One Way. Self-Closing.



No. 1. Upper Gate Hinge.



No. 1. Lower Gate Hinge.



No. 1. Gate Latch.

No. 1. Complete, with Latch per doz.

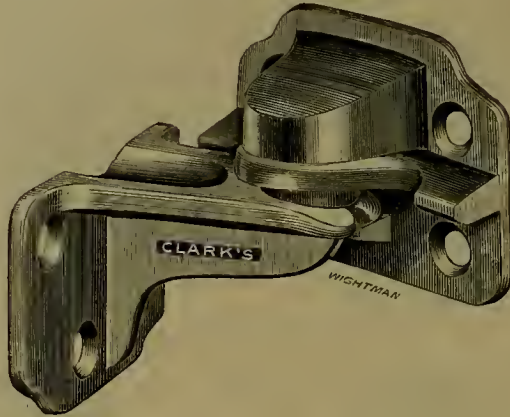
\$ 6 00

The Single Eye-pieces of both Hinges are attached to the Gate.

One set in a box. Full cases contain two dozen sets.

Gate Hinges.

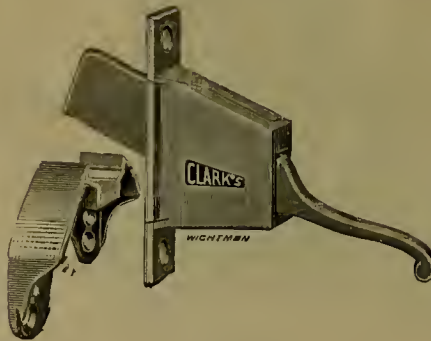
Clark's Reversible Gate Hinges, to swing Both Ways.



No. 2. Upper Gate Hinge.



No. 2. Lower Gate Hinge.



No. 2. Gate Latch.

No. 2. Complete, with Latch, per doz.

\$ 8 00

One set in a box. Full cases contain two dozen sets.



Barn Door Hangers.

Round Groove Wheel.

Nos.	13	14	15	16	18
Diameter of Wheel—inch,	3	4	5	6	8
Per pair,	\$0 50	.75	1 00	1 15	1 80

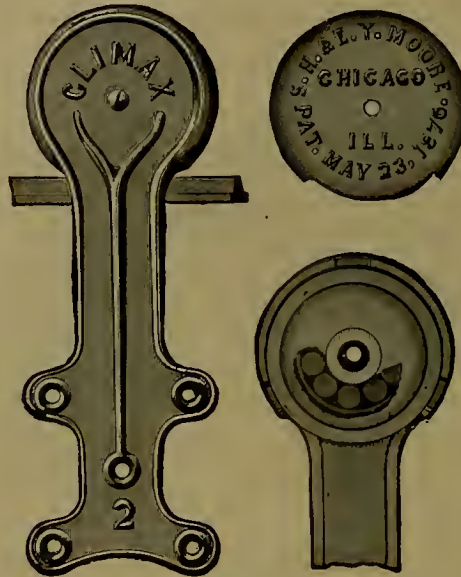
Barn Door Rollers.



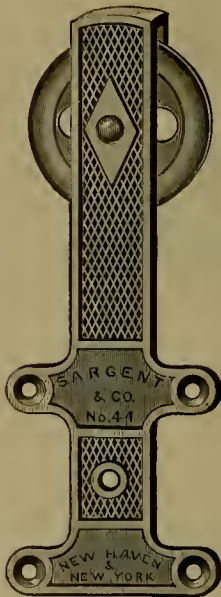
Round Groove Wheel.

Nos.	104	105	106	108	110
Diameter of Wheel—inch,	4	5	6	8	10
Per pair,	\$0 60	.72	.90	1 25	1 75

“Climax” Barn Door Hangers.



The “Climax” Barn Door Hangers have now been before the trade nearly six years, with constantly increasing sales. Over 250,000 pairs are in actual use, and the favor with which they have always been received speaks volumes for the merit of the anti-friction principles contained in them, and for the care taken in their manufacture.



Checked Back.

- “Climax” No. 1, extra large and heavy, with long strap for heavy warehouse doors, etc., per pair..... \$ 2 00
Weight, 14 lbs. per pair. Packed one-half dozen pairs in a case.
- “Climax” No. 2, standard size improved and strengthened, per pr. \$ 1 25
Weight, 8½ lbs. per pair. Packed one dozen pairs in a case.

CHECKED BACK.

Square Groove Wheel, Japanned.

Nos.	23	24	25	26
Diameter of Wheel—inch,	3	4	5	6
Per pair,	\$ 0 50	.80	1 05	1 30

HEAVY CHECKED BACK.

Square Groove Wheel, Japanned.

Nos.	43	44	45	46
Diameter of Wheel—inch,	3	4	5	6
Per pair,	\$ 1 05	1 45	1 85	2 40

12 pairs in a case. No charge for cases when ordered in original packages.

Barn Door Rail.



Style of Nos. 34 to 44.

No. 34, $\frac{1}{2}$ inch, for Small Wheels, per foot,	\$ 0 06 $\frac{1}{4}$
No. 44, $\frac{1}{2}$ " Heavy, for Small Wheels, per foot,	06 $\frac{1}{2}$
No. 35, $\frac{5}{8}$ " for Medium Wheels, per foot,	09

Packed in cases of 200 feet. No charge for cases when ordered in original packages.

Barn Door Rail for N. E. Hangers.



No. 4.

No. 4, for Medium Wheels, per foot,	\$ 0 08
---	---------

Packed 300 feet in a case. No charge for cases when ordered in original packages.



Nos. 12 and 14.

No. 12, for Medium Wheels (packed 200 feet in a Case), per foot,	\$ 0 07 $\frac{1}{2}$
No. 14, " Large Wheels (packed 224 feet in a Case), per foot,	09

No charge for cases when ordered in original packages.

Sliding Door Rail.



Painted.

No. 35, $1\frac{1}{4}$ inch wide, in two feet lengths, per foot,	\$ 0 08
--	---------

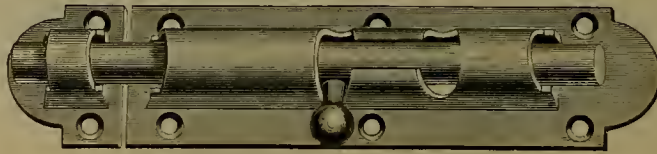
Wrought Brass Door Rail.



Polished.

1, $1\frac{1}{8}$ and $1\frac{1}{4}$ inch wide, all lengths, per foot,	\$ 0 25
--	---------

No. 362, Barrel Bolts.



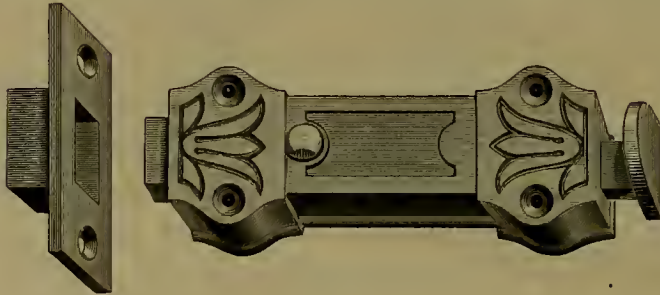
Half size cut of 7 inch.

Japanned, Brass Knob.

Inch,	3	4	5	6	7	8
Per dozen,	\$ 1 00	1 12	1 45	1 80	2 12	2 45

3 to 7 inch, one dozen in a box ; 8 inch, half dozen.

No. 391, Spring Foot Bolts.



Half size cut of 6 inch.

Japanned.

6 inch, Japanned, per dozen,						\$ 5 88
8 " " " "						6 85

Half dozen in a box.

No. 390, Round Cased Foot Bolts.



Half size cut of 8 inch.

Japanned, Polished Bolt.

Inch,		6	7	8	9
Per dozen,		\$ 3 10	4 00	4 88	5 75

Half dozen in a box.

No. 380, Round Cased Chain Bolts.



Half size cut of 8 inch.

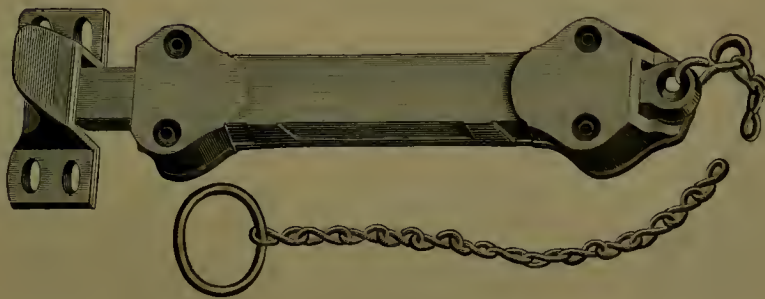
Japanned, Polished Bolt.

Packed with Wire Staples for Chain.

Inch,	6	7	8	9
Per dozen,	\$ 4 45	5 35	6 25	7 10

Half dozen in a box.

No. 381, Chain Bolts.



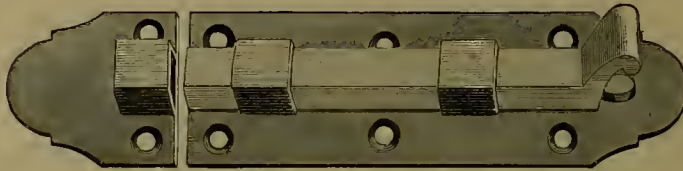
Half size cut of 8 inch.

Japanned.

Inch,	4	5	6	8	10
Per dozen,	1 75	2 00	3 15	4 05	5 20

5 inch and smaller, one dozen in a box ; 6 inch and larger, half dozen.

No. 315, Wrought Iron Spring Bolts.



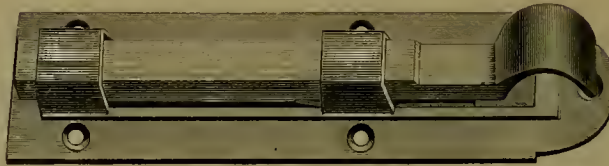
Full size cut of 3 inch.

Wrought Iron, Japanned Plate, Polished Bolt.

Inch,	2½	3	3½	4	4½	5
Per dozen,	\$ 1 20	1 35	1 60	1 80	2 10	2 25

One dozen in a box.

No. 300, Square Bolts.



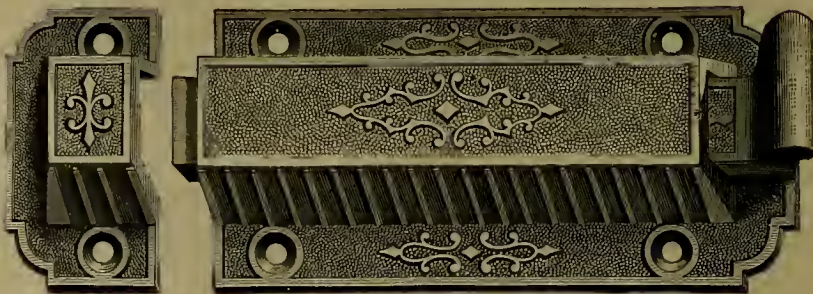
Half size cut of 8 inch.

Steel Spring, Japanned Plate, Polished Bolt.

Inch,	4	5	6	7	8	9	10
Per dozen,	1 05	1 20	1 55	2 10	2 62	3 12	3 65

3 to 6 inch, One dozen in a box ; 7 to 12 inch, Half dozen.

Bronzed Square Bolts.



Full size cut of 3 inch.

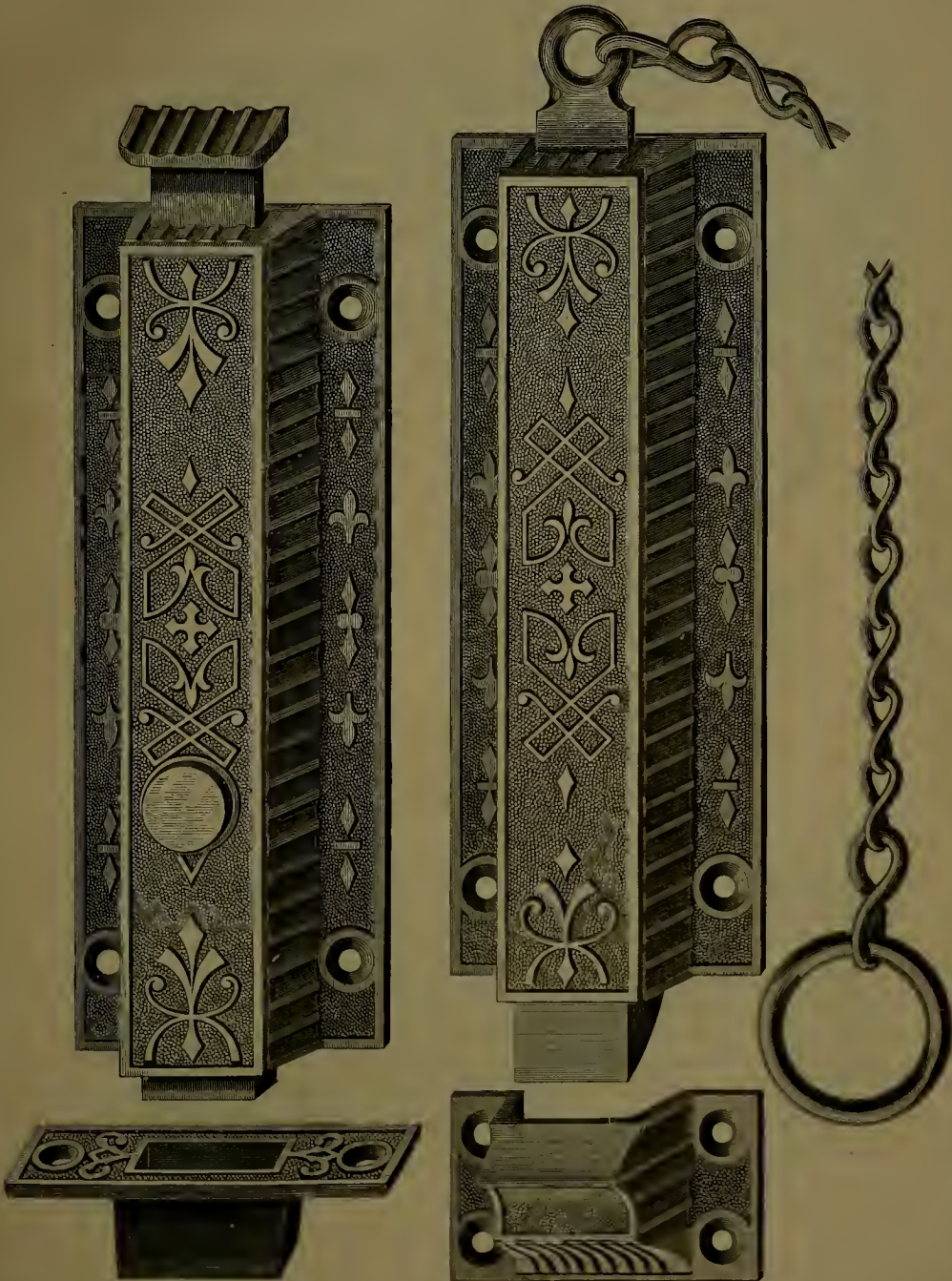
No. 200½ Tuscan Bronzed.

Packed with Screws.

3 inch, per dozen,						\$ 2 90
4 " " "						3 25

One dozen in a box.

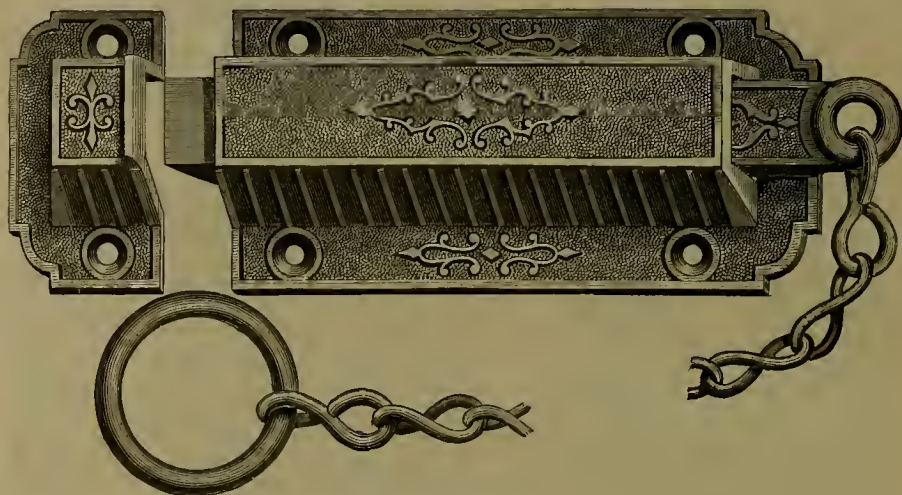
Berlin Bronzed Foot and Chain Bolts.



No. 491. Full size cut of 6 inch.
 No. 483, Chain Bolt, packed with Screws, 6 in., per dozen,
 " " " " 8 in., " "
 No. 491, Foot Bolt, " " 6 in., "
 " " " " 8 in., "

No. 483. Full size cut of 6 inch.
 \$ 5 80
 6 50
 5 00
 6 50

Bronzed Chain Bolts.



Full size cut of 3 inch.

No. 481, Berlin Bronzed.

Packed with Screws.

Inch,	3	4	6	8
Per dozen,	\$ 4 10	4 50	5 50	7 00

3 and 4 inch, one dozen in a box ; 6 and 8 inch, half dozen.

Bottom Bolts.



Full size cut of 3 inch.

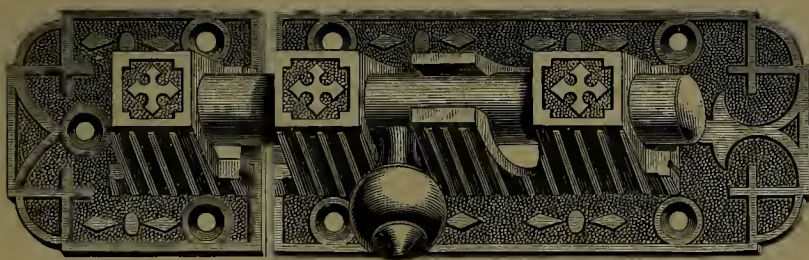
No. 490, Berlin Bronzed.

Packed with Screws.

Inch,	3	4	6	8
Per dozen,	\$ 3 20	3 60	5 00	6 50

3 and 4 inch, one dozen in a box ; 6 and 8 inch, half dozen.

Bronzed Barrel Bolts.



Full size cut of 3 inch.

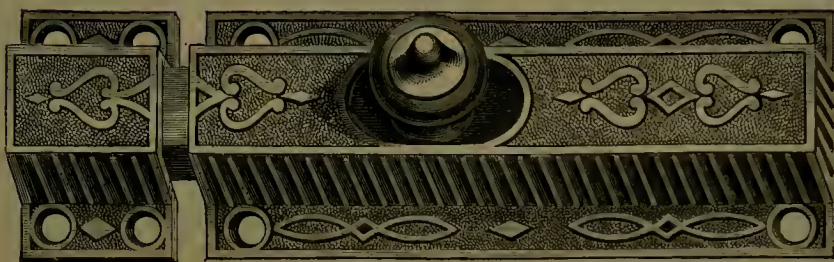
No. 272½, Tuscan Bronzed.

Iron Bolt, Bronze Metal Knob, packed with Screws.

Inch,	3	4	5
Per dozen,	\$ 2 25	2 60	3 20

One dozen in a box.

Bronzed Square Cased Bolts.



Full sized cut of 4 inch.

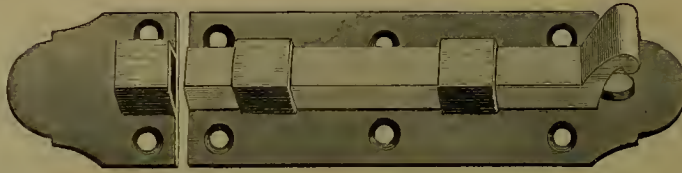
Tuscan Bronzed, Bronze Metal Knob.

Packed with Screws.

3 inch, per dozen,	\$ 3 40
4 " " "	3 60

One dozen in a box.

No. 515, Wrought Brass Spring Bolts.



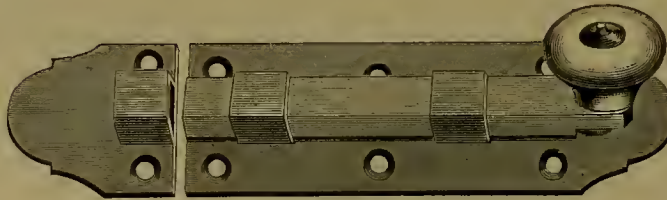
Full size cut of 3 inch.

All Brass, Polished.

Inch,	2	2½	3	3½	4
Per dozen,	\$ 2 25	2 70	3 25	4 00	4 30

One dozen in a box.

No. 519, Wrought Brass Spring Bolts.



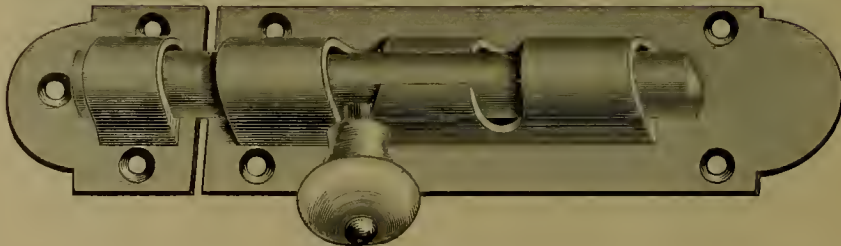
Full size cut of 3 inch.

Brass Polished, Porcelain Knob.

Inch,	2½	3	3½	4	4½
Per dozen,	\$ 3 15	3 60	4 50	5 00	5 85

One dozen in a box.

No. 561, Brass Barrel Bolts.



Full size cut of 4 inch.

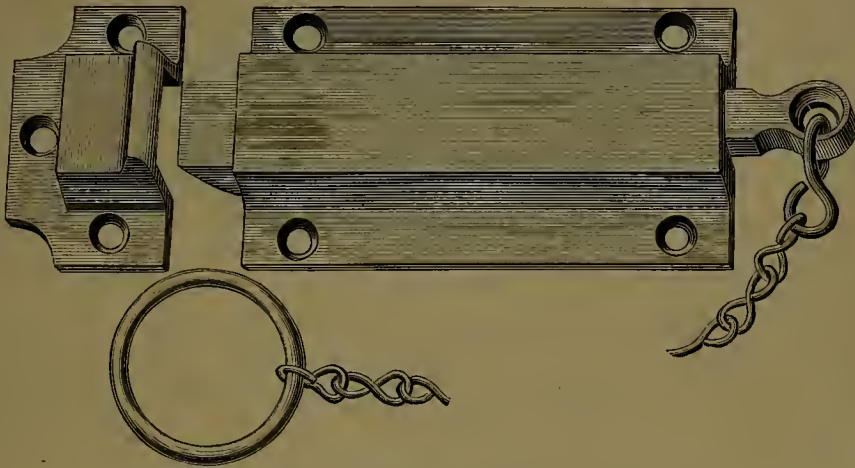
HEAVY.

Cast Brass, Polished and Lacquered, Porcelain Knob, Plain Staple.

Inch,	4	5	6
Per dozen,	\$ 10 00	12 00	14 00

One dozen in a box.

No. 581, Cast Brass Chain Bolts.



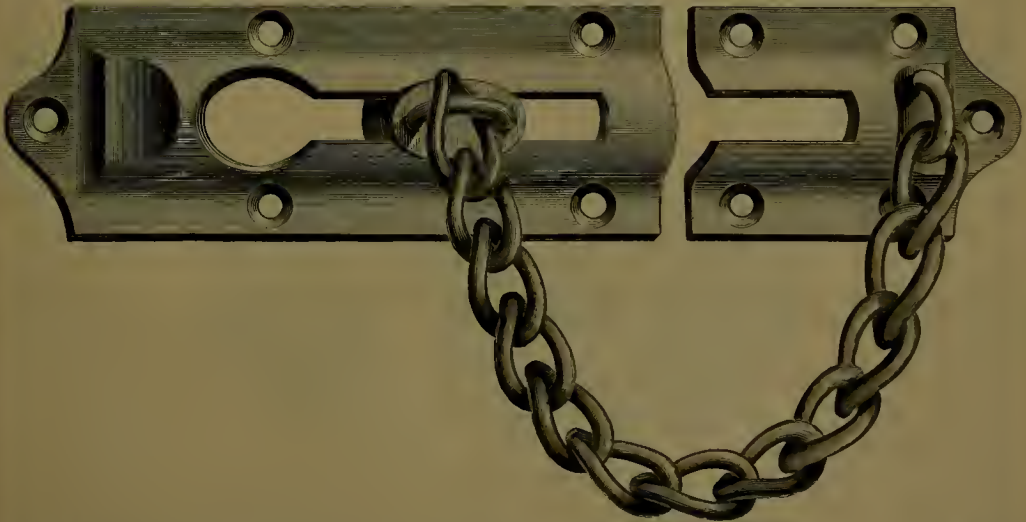
Full size cut of 3 inch.

Cast Brass, Polished and Lacquered.

Inch,	.	.	.	.	3	4	6
Per dozen,	.	.	.	.	\$ 12 00	14 50	20 50

Half dozen in a box.

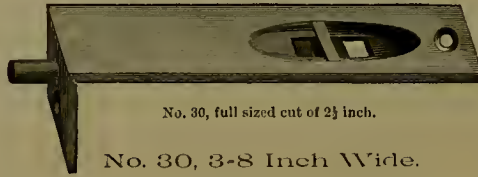
Chain Door Fastenings.



No. 56, Berlin Bronzed, 6 inch, packed with Screws, per dozen,	\$ 6 00
No. 66, Cast Brass, 6 inch, polished and lacquered, per dozen,	13 60

Half dozen in a box.

Cast Brass Flush Bolts.



No. 30, full sized cut of 2½ inch.

No. 30, 3-8 Inch Wide.

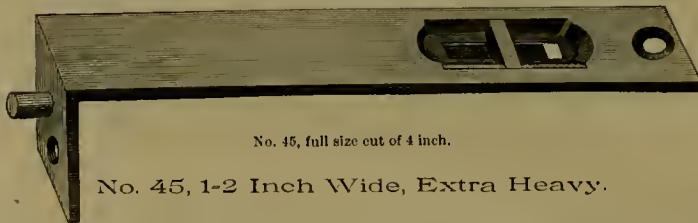
Inch,	2	2½	3	3½	4
Per dozen,	\$ 0 90	1 00	1 20	1 40	1 60

Three dozen in a box.

No. 40, 1-2 Inch Wide.

Inch,	2½	3	4	5	6
Per dozen,	\$ 1 20	1 40	1 80	2 20	2 60

Two dozen in a box.



No. 45, full size cut of 4 inch.

No. 45, 1-2 Inch Wide, Extra Heavy.

With Sunk Thumb Piece, polished and lacquered.

Inch,	2½	3	4	5	6
Per dozen,	\$ 1 70	1 90	2 50	3 00	3 50

With Strike Plates.

One dozen in a box.

No. 50, 5-8 Inch Wide, Heavy.

Sunk Thumb Piece, Strike Plates, polished and lacquered.

Inch,	4	6	8	10
Per dozen,	\$ 2 80	3 80	5 50	6 50

One dozen in a box.

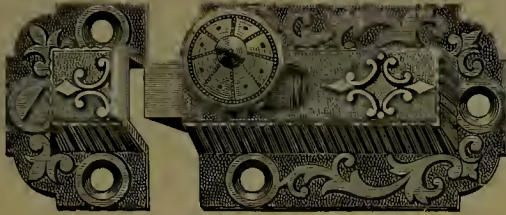
No. 60, 3-4 Inch Wide, Heavy.

Sunk Thumb Piece, Strike Plates, polished and lacquered.

Inch,	4	5	6	8	10	12
Per dozen,	\$ 3 20	3 60	4 20	6 00	8 00	9 50

4 to 10 inch, one dozen in a box; 12 inch, half dozen.

Cupboard Catches.

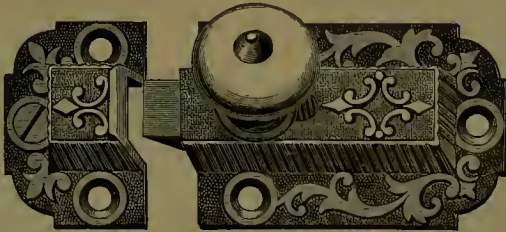


Full size cut of No. 1260.

Tuscan Bronzed, Bronze Metal Knob.

No. 1260, Tuscan Bronzed, packed with Screws, per gross,

\$ 14 50



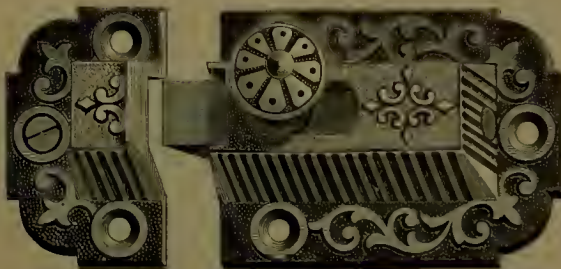
Full size cut of No. 1265.

Tuscan Bronzed, Porcelain Knob.

No. 1265, Tuscan Bronzed, packed with Screws, per gross,

\$ 14 50

One-sixth gross in a box.



Full size cut of No. 1262. Patented.

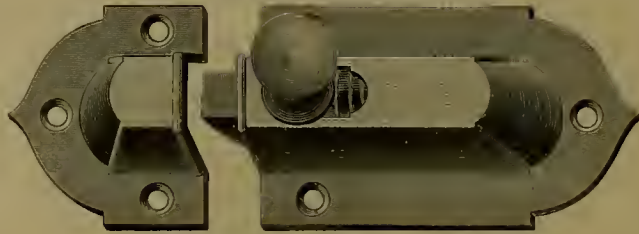
PATENT TRIANGULAR BOLT.

Tuscan Bronzed, Bronze Metal Knob.

No. 1262 Tuscan Bronzed, packed with Screws, per gross,

\$ 17 00

Cupboard Catches.



Full size cut of No. 302.

Japanned, Brass Knob.

No. 302, per gross,

\$ 10 50

Quarter gross in a box.

Japanned, Porcelain Knob.

No. 305, per gross,

\$ 12 50

" 307, "

14 00

One-sixth gross in a box.



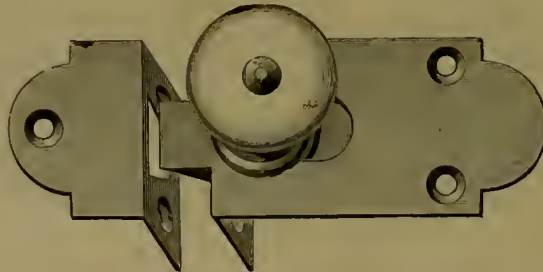
Full size cut of No. 267.

Porcelain Knob.

No. 267, Tuscan Bronzed, packed with Screws, per gross,

\$ 17 00

One-sixth gross in a box.



Full size cut of No. 2506.

Wrought Brass Plate, Porcelain Knob.

No. 2505, per gross,

\$ 20 00

" 2506, "

22 00

Quarter gross in a box.

Cupboard Bolts.

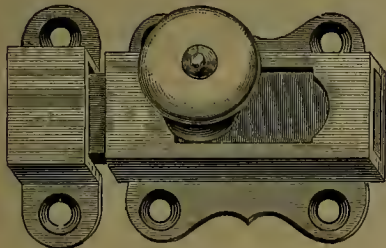


No. 221. Full size cut.

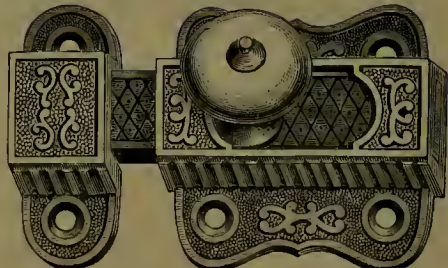
Bronze Metal Knob.

No. 221, Berlin Bronzed packed with Screws, per dozen,

\$ 2 25



Full size cut of No. 215.



No. 225. Full size cut.

Porcelain Knob.

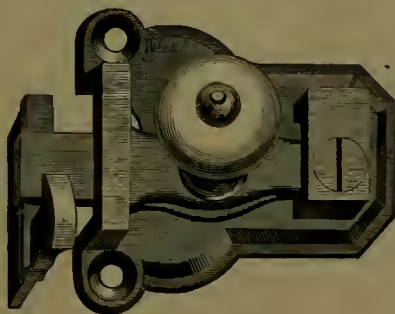
No. 215, Japanned, per dozen,

\$ 1 75

No. 225, Berlin Bronzed, packed with Screws, per dozen,

2 25

Cupboard Latches.



Full size cut of No. 101.

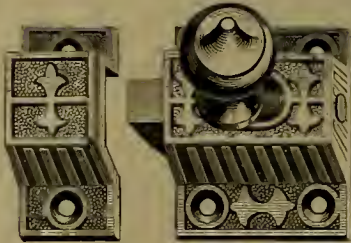
Either Right or Left Hand.

No. 101, Japanned Porcelain Knob, per dozen.

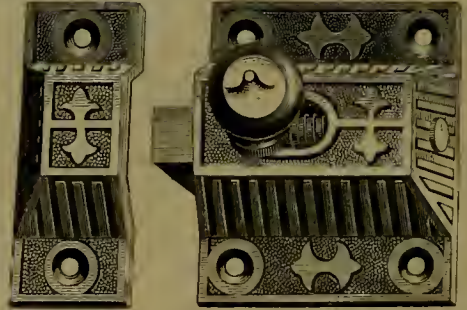
\$ 1 50

One dozen in a box.

French Window Catches.



Full size cut of No. 3410.

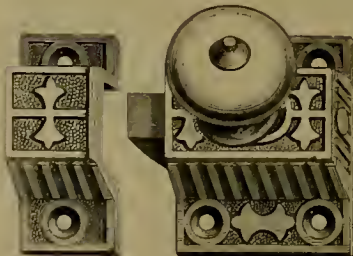


Full size cut of No. 3412.

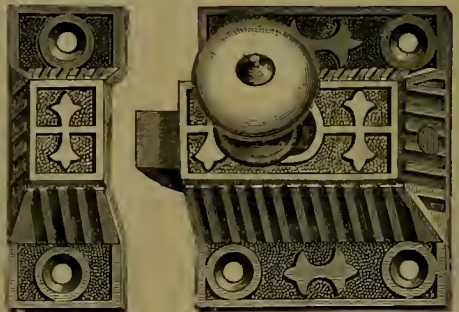
Berlin Bronzed, Bronze Metal Knob.

No. 3410, Berlin Bronzed, packed with Screws, per gross,	\$ 15 60
No. 3411, " " " " " " " "	17 00
No. 3412, " " " " " " " "	18 75

Nos. 3410, and 3411 one-sixth gross in a box; No. 3412, one-twelfth gross.



Full size cut of No. 3415.



Full size cut of No. 3417.

Berlin Bronzed, Porcelain Knob.

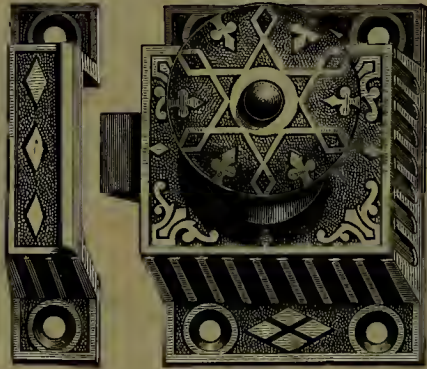
No. 3415, Berlin Bronzed, packed with Screws, per gross,	\$ 15 60
No. 3416, " " " " " " " "	17 00
No. 3417, " " " " " " " "	18 75

Nos. 3415 and 3416, one-sixth gross in a box; No. 3417 one-twelfth gross.

Cupboard Turns.



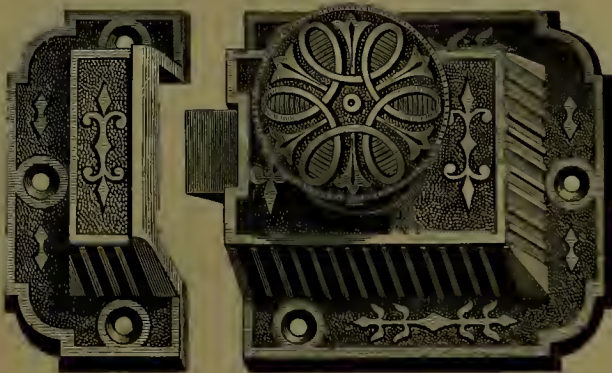
Full size cut of No. 4230.



Full size cut of No. 4430 .

Patent Triangular Bolt.

No. 4230, Tuscan Bronzed, packed with Screws, per dozen,	\$ 3 60
No. 4430, Berlin Bronzed, Bronze Metal Knob, per dozen,	4 40



Full size cut of No. 4240.

Patent Triangular Bolt.

No. 4240, Tuscan Bronzed, packed with Screws, per dozen,	\$ 4 00
--	---------

One dozen in a box.

Cupboard Turns.



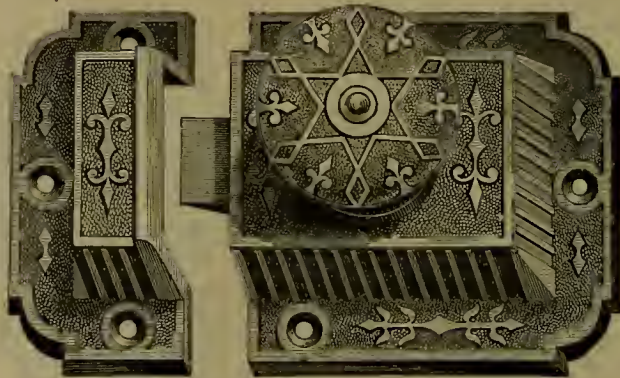
Full size cut of No. 4432.



Full size cut of No. 4442.

Bronze Metal T Handle, Patent Triangular Bolt.

- | | |
|--|---------|
| No. 4432, Berlin Bronzed, packed with Screws, per dozen, | \$ 4 60 |
| No. 4442, Berlin Bronzed, packed with Screws, per dozen, | 5 50 |



No. 4241. Full size cut.

PATENT TRIANGULAR BOLT.

Beveled Edges, Bronze Metal Knob.

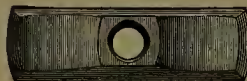
- | | |
|--|---------|
| No. 4241, Tuscan Bronzed, packed with Screws, per dozen, | \$ 4 40 |
|--|---------|

One dozen in a box.

Door Buttons.



Full size cut of 1 1/4 inch, No. 10.



Full size cut of 1 1/4 inch, No 5.

No. 10, 1 1/2 inch, Japanned, per gross,										\$ 1 00
" 2 " " " " "										1 50
No. 5, 1 1/2 inch, Brass, per gross.										5 00
" 1 3/4 " " " " "										6 00
" 2 " " " " "										6 50

One gross in a box.

No. 20, Door Buttons on Plates.



Full size cut of 1 1/4 inch.

Japanned.

1 1/2 inch, per gross,										\$ 3 65
2 " " " "										4 75

Half gross in a box.

No. 15, Door Buttons on Plates.



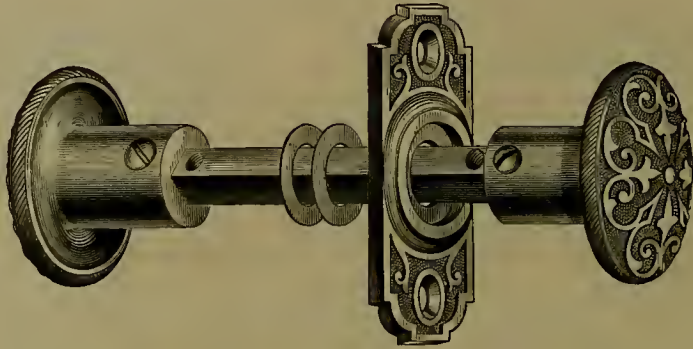
Full size cut of 1 1/4 inch.

Cast Brass, Polished and Lacquered.

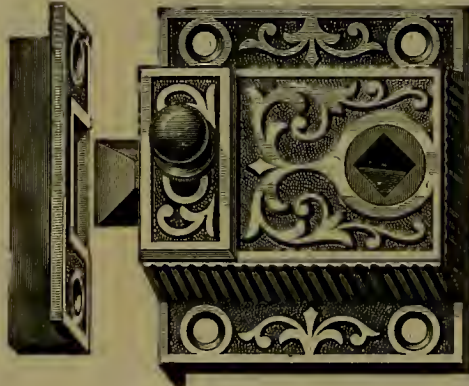
1 1/2 inch, per gross,										\$ 13 75
2 " " " "										18 75

Half gross in a box.

Screen Door Catches.



Full size cut of Knobs.



Full size cut of Nos. 5240, 5440 and 5442.

WITH STOP.

REVERSE BEVEL, PATENT TRIANGULAR BOLT.

For Doors $\frac{7}{8}$ to $1\frac{3}{8}$ inches thick. Size of Latch $2\frac{1}{4} \times 1\frac{1}{8}$ inches.

Tuscan Bronzed, Tuscan Bronzed Knobs.

No. 5240, with Bronze Metal Slide Stop Knob, packed with Screws, per dozen, . . . \$ 5 25

Berlin Bronzed, Berlin Bronzed Knobs.

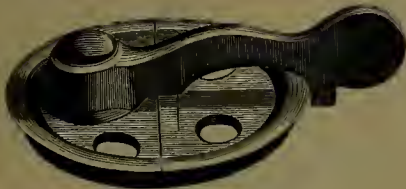
No. 5440, with Bronze Metal Slide Stop Knob, packed with Screws, per dozen, . . . \$ 6 50

Berlin Bronzed, Bronze Metal Knobs.

No. 5442, with Bronze Metal Slide Stop Knob, packed with Screws, per dozen, . . . \$ 11 75

Half dozen in a box.

Sash Fasteners.

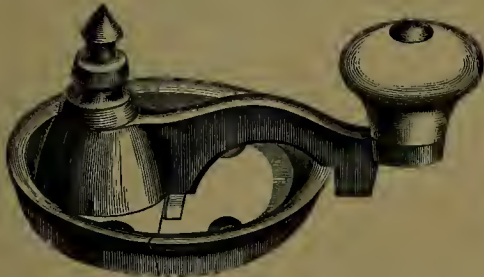


Full size cut of No. 20.



Full size cut of No. 122.

No. 20, Bronzed Iron, Sash or Extension Table Fast, per dozen,	\$ 0 66
No. 122, Bronzed Iron, Porcelain Knob, Plain Rivet, per dozen,	1 50



Full size cut of No. 124.



Full size cut of No. 165.

No. 124 Bronzed Iron, Silver-plated High Rivet, Porcelain Knob, per dozen,	\$ 2 25
No. 165, Bronzed Iron, Bronze Metal Knob and Rivet, with Screws, per dozen,	5 00



Full size cut of No. 41.

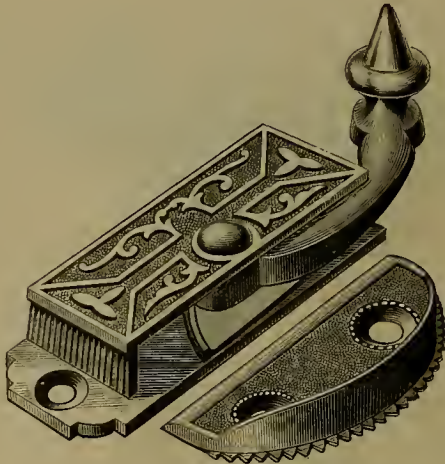


Full size cut of No. 42.

No. 41, Berlin Bronzed, Porcelain Knob, per dozen,	\$ 1 90
No. 42, Berlin Bronzed, Bronze Metal Knob, per dozen,	2 60

One dozen in a box.

Burglar Proof Sash Fasteners.

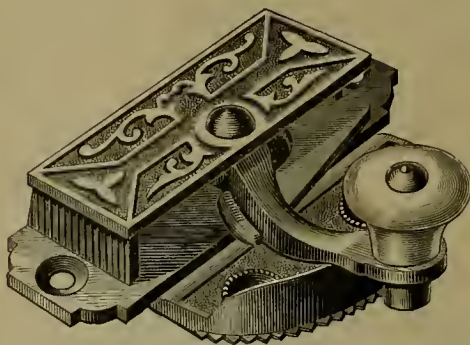


Full size cut of No. 520.

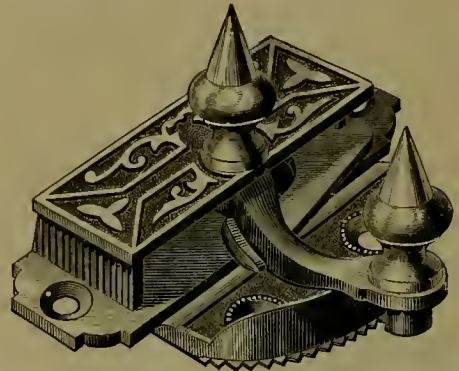


Full size cut of No. 323.

No. 520, Berlin Bronzed, packed with Screws, per dozen,	\$ 2 00
No. 323, Berlin Bronzed, Nickel-plated Knob and Rivet, per dozen,	7 00



Full size cut of No. 521.

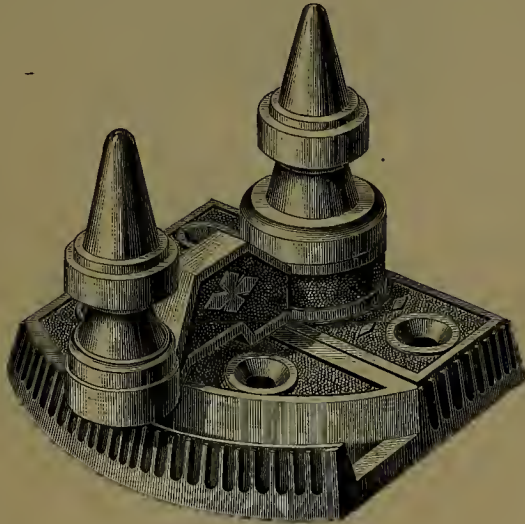


Full size cut of Nos. 522 and 523.

No. 521, Berlin Bronzed, Porcelain Knob, packed with Screws, per dozen,	\$ 2 50
No. 522, Bronzed Metal Knob and Rivet, packed with Screws, per dozen,	4 25
No. 523, Nickel-plated Knob and Rivet, packed with Screws, per dozen,	6 00

One dozen in a box.

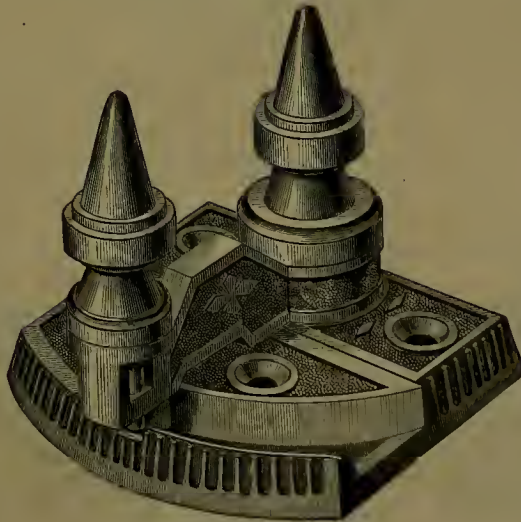
Burglar Proof Sash Fasteners.



Full size cut of Nos. 342 and 343.

Packed with Screws.

No. 342, Berlin Bronzed, Bronze Metal Knob and Rivet, per dozen,	\$ 8 00
No. 343, " " Nickel-plated Knob and Rivet, per dozen,	9 00



Full size cut of Nos. 352 and 353.

WITH PATENT LOCK FASTENING.

Packed with Screws.

No. 352, Berlin Bronzed, Bronze Metal Knob and Rivet, per dozen,	\$ 9 25
No. 353, " " Nickel-plated Knob and Rivet, per dozen,	10 25
Half dozen in a box.	

Gravity Sash Locks.

THE BEST IN THE WORLD.



NO SPRINGS TO GET OUT OF ORDER.

No. 67, Iron, Japanned, Brass Rivet and Iron Drop for Narrow Sash, per dozen,	\$ 1 50
No. 66, Iron Bronzed, Brass Rivet and Iron Drop, per dozen,	1 75
No. 65, Iron Bronzed, Bronze Metal Tip and Drop, per dozen,	3 00
No. 64, Iron Bronzed, Bronze Metal Tip and Iron Drop, per dozen,	2 50
No. 63, Polished Iron, Albion Bronze, Dark Finish, per dozen,	6 50
No. 62, Polished Iron, Bronzed, Ornamental, Bronze Metal Tip and Drop, per dozen,	4 50

Complete with Screws, excepting No. 67.

The Model Sash Locks.



Ornamental

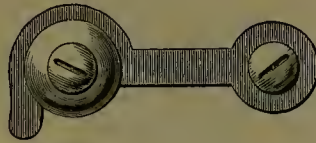


Plain.

No. 96, Plain Iron, Japanned, with Iron Rivet, per dozen,	\$ 1 50
No. 95, Ornamental Iron, Japanned, with Brass Rivet, per dozen,	1 75
No. 94, Plain Iron Bronzed, with Bronze Metal Tip, per dozen,	2 25
No. 92, Ornamental Iron Bronzed, with Bronze Metal Tip, per dozen,	2 75

Packed with Screws except Nos. 95 and 96.

Boston Pattern Shutter Bars.



Nos. 31, 32 and 35. Full size cut of 2 inch.

No. 31, Wrought Brass.

1 3/4 inch, Wrought Brass, packed with Screws, per dozen, \$ 1 75

No. 32, Silver Plated on Brass.

1 3/4 inch, Silver Plated, packed with Silver-plated Brass Screws, per dozen, \$ 2 30

No. 35, Berlin Bronzed.

1 3/4 inch, Berlin Bronzed, packed with Screws, per dozen, \$ 0 50
Three dozen in a box.

Double Sash Lifts.



No. 251. Full size cut.

Double.

No. 251, Tuscan Bronzed, packed with Screws, per dozen, \$ 0 65
3 dozen in a box.

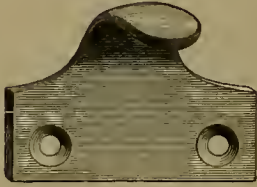
Sash Lift and Lock.



No. 262. Full size cut.

No. 262, Tuscan Bronzed, packed with Screws, per dozen, \$ 1 50
Two dozen in a box.

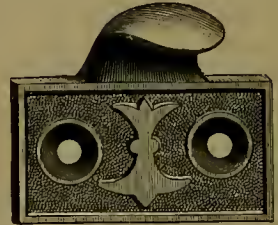
Sash Lifts.



Full size cut of No. 532.



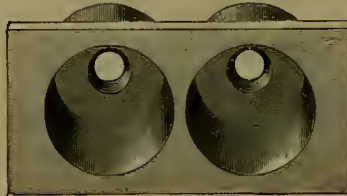
No. 520, Cast Brass, Full size cut.



Full size cut of No. 431.

No. 431, Berlin Bronzed, packed with Screws, per dozen,	\$ 50
No. 520, Cast Brass, polished and lacquered, packed with Screws, per dozen,	1 15
No. 532, " " " " " " " " " " " "	1 60
No. 632, Silver Plated with plated Screws, per dozen,	3 25

Flush Sash Lifts.



Full size cut of No. 480.

No. 480, Berlin Bronzed, packed with Screws, per dozen,	\$ 1 10
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Full size cut of No. 485.

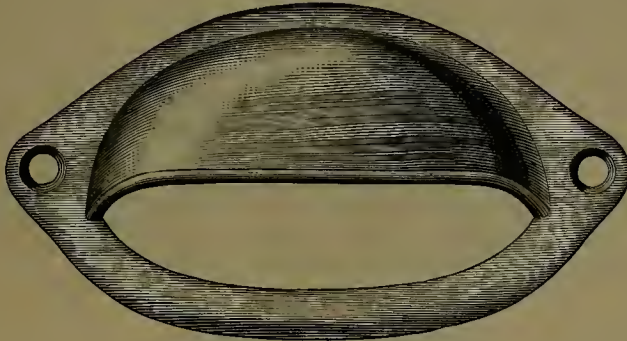
No. 485, Berlin Bronzed, packed with Screws, per dozen,	\$ 1 10
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Nos. 431, 520 and 532, Three dozen in a box.

Nos. 480 and 632, Two dozen in a box.

No. 485, One dozen in a box.

Drawer Pulls.



Full size cut of No. 110.

No. 110, Japanned, per gross,

\$ 4 50

One-sixth gross in a box.



Full size cut of No. 11.

No. 11, Copper Bronzed, per gross,

\$ 6 75

One-sixth gross in a box.



Full size cut of No. 51.

No. 51, Copper Bronzed, per gross,

\$ 7 00

One-sixth gross in a box.

Drawer Pulls.



Full size cut of No. 161.

No. 161, Copper Bronzed, per gross,

\$ 7 25

One-sixth gross in a box.



Full size cut of No. 61.

No. 61, Copper Bronzed, per gross,

\$ 9 00

One-sixth gross in a box.



Full size cut No. 306.

No. 306, Berlin Bronzed, packed with Screws, per gross,

\$ 12 00

One-sixth gross in a box.

Drawer Pulls.



Full size cut of No. 276.

No. 276, Berlin Bronzed, packed with Screws, per gross, \$ 6 50
 One-sixth gross in a box.



Full size cut of No. 176.

No. 176, Berlin Bronzed, packed with Screws, per gross, \$ 8 00
 No. 76, " " size larger than 176, packed with Screws, per gross, 9 50
 One-sixth gross in a box.



Full size cut of No. 455. Style of 555.

No. 555, Tuscan Bronzed, packed with Screws, size smaller than cut, per gross, \$ 7 25
 No. 455, " " " " " per gross, 8 00
 One sixth gross in a box.



Full size cut of No. 606.

No. 606, Berlin Bronzed, packed with Screws, per gross, \$ 11 00
 One-sixth gross in a box.

Drop Handles.

Gold Plated.
Cuts Two-thirds size.



No. 1.



No. 2.



No. 3.

No. 1, per dozen,
No. 2, "
No. 3, "

\$ 3 75
3 75
3 75



No. 69-0.



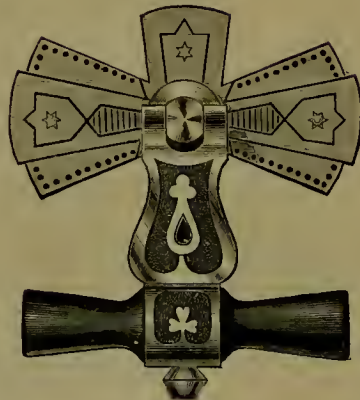
No. 70-0.

No. 69-0, per dozen
No. 70-0, "

\$ 1 25
1 25



No. 620.



No. 621.

No. 620, per dozen,
No. 621, "

\$ 4 00
4 00

Ring Pulls.



Two-third size of cut No. 085.



Two-third size of cut No. 086.

Gold Plated.

No. 085, per dozen,	\$ 2 00
No. 086, " "	2 00



Two-third size of cut No. 140.



Two-third size of cut No. 141.

No. 140, per dozen,	\$ 2 50
No. 141, " "	2 50

Drawer Knobs.

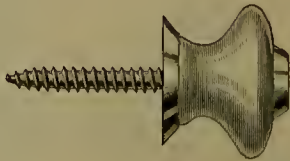


Two-third size of cut No. 3.

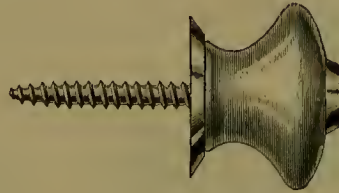
Ebony, with Gold-plated Center.

No. 1, per dozen,	\$ 0 85
No. 2, " "	0 85
No. 3, " "	0 85

No. 90, Porcelain Picture Knobs.



Full size cut of $\frac{3}{4}$ inch.



Full size cut of $1\frac{1}{2}$ inch.

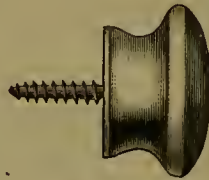
Long Tinned Screw.

Silver-plated Base under Screw Head and under Knob.

Inch,	.	.	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$
Per gross,	.	.	\$ 5 20	5 40	5 60	5 90	6 20

Quarter gross in a box.

No. 1, Porcelain Shutter Knobs.



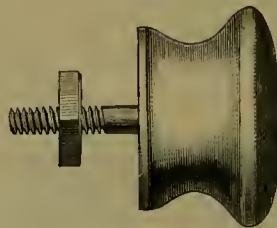
Full size cut of 1 inch.

With Fast Screw.

Inch,	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Per gross,	\$ 3 75	3 90	4 40	4 75	6 20	7 75	10 50	13 00

Quarter gross in a box.

No. 5, Porcelain Drawer Knobs.



Full size cut of $1\frac{1}{2}$ inch.

Fast Screw, with Nut and Washer.

Inch,	.	.	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Per gross,	.	.	\$ 6 50	8 25	9 50	11 75	13 50

One-sixth gross in a box.

No. 5, Brass Head Picture Nails.



Full size cut of 2 inch.

Malleable Nail.

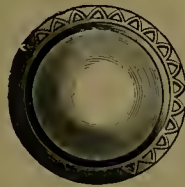
Inch,	1½	2	2½	3	3½
Per gross,	\$ 1 40	2 00	2 75	3 50	4 00

1½ to 3 inch, one gross in a box; 3½ inch half gross.

H. L. Judd's Patent Picture Nails.



Full size cut of Nos. 25 to 36.



Full size cut of No. 03.



Full size cut of No. 9.



Full size cut of Nos. 100 to 105.

No. 9, White Porcelain Center, plain Brass Rim, per gross,	\$ 2 80
No. 9, Ruby Glass " " " "	2 80
No. 9, Blue " " " "	2 80
No. 03, White Porcelain Center, Fancy Rim, per gross,	4 00
No. 03, Ruby Glass, " " " "	4 00
No. 03, Blue " " " "	4 00
No. 25, Crystal Center, Rose Pattern, per gross,	6 00
No. 26, Ruby " " " "	6 00
No. 27, Green " " " "	6 00
No. 34, Crystal Star Glass Center, per gross,	6 00
No. 35, Ruby " " " "	6 00
No. 36, Green " " " "	6 00
No. 100, Crystal Glass Center, Plain Rim, per gross,	4 00
No. 101, Ruby Rose " " " "	4 00
No. 102, Green " " " "	4 00
No. 103, Turquoise " " " "	4 00
No. 104, Amber " " " "	4 00
No. 105, Ruby Star " " " "	4 00

Packed quarter gross in a box, with 2, 2½ or 3 inch spikes.

Judd's Patent Screw Support.



Full size cut of Nos. 260 to 264.

No. 260, Plain Rim and Base, Silver Glass Center, per gross,	\$ 8 00
No. 261, " " Ruby " "	8 00
No. 262, " " Green " "	8 00
No. 263, " " Blue " "	8 00
No. 264, " " Turquoise " "	8 00

Picture or Molding Hooks.



Cut of No. 320. For 1 inch Molding.



Full size cut of Nos. 30 and 030.

No. 30, Burnished, for 1½ inch Molding, per gross,	\$ 7 00
No. 030, Unburnished, for 1½ inch Molding, per gross,	4 50
No. 320, For 1 inch Molding, burnished, Crystal Glass Head, per gross,	12 00
No. 300, For 1½ inch Molding, per gross,	14 00

Brass Curtain Rings.



Cut of ½ inch.

Size, ¼ in. No. 20	⅜ in. No. 18	½ in. No. 18	⅝ in. No. 18	¾ in. No. 16	⅞ in. No. 16	1 in. No. 14
Per gross, \$0 27	.35	.40	.50	.75	.95	1 35

Brass Screw Rings.

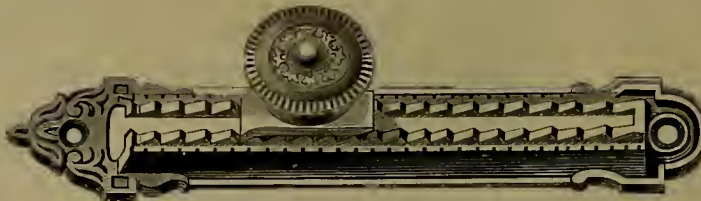


Cut of ½ inch.

Size, ⅜ in. No. 18	½ in. No. 16	⅝ in. No. 16	¾ in. No. 16	⅞ in. No. 16	1 in. No. 14
Per gross, \$1 00	1 75	2 25	2 80	3 20	5 00

One gross in a box.

Patent Rack Pulleys.



Full size cut of No. 159.

No. 159, Bronzed Iron, Brass Knob, per gross,	\$6 00
No. 160, " " Porcelain Knob,	8 00

Roller Ends.



Nos. 0, 1 and 4. Full size cut.

No. 0, Copper Bronzed, without Thimbles, per gross,	\$ 3 05
No. 1, " " complete as per Cut, per gross,	3 85
No. 4, Cast Brass, complete as per Cut, per gross,	19 00

Quarter gross in a box.

Shade Brackets.



Full size cut of No. 00.

Full size cut of No. 1.

Copper Bronzed.

No. 00, Copper Bronzed, per gross,	\$ 2 60
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Cast Brass.

No. 1, Cast Brass, per gross,	\$ 8 50
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Quarter gross in a box.

Flush Trap Door Rings.



Full size cut of No. 1.

Japanned.

Nos.	.	.	.	1	2	3
Per dozen,	.	.	.	\$ 2 00	2 50	3 50

One dozen in a box.

Flush Chest Handles.



Full size cut of No. 31.

Japanned.

Nos.	.	31	32	33	34
Per dozen pairs,	.	\$ 2 80	3 60	6 50	7 50

Nos. 31 and 32, half dozen pairs in a box; Nos. 33 and 34, quarter dozen pairs.

Chest Handles.



Full size cut of No. 11.

Japanned.

Nos.	11	12	13
Per dozen pairs,	\$ 2 50	3 65	5 10

Nos. 11 and 12, half dozen pairs in a box ; No. 13, quarter dozen pairs.

Wrought Chest Handles.



Full size cut of No. 2.

Japanned.

Nos.	2	3	4	5
Per dozen pairs,	\$ 3 00	3 35	3 75	4 25

Nos. 2 to 4, one dozen pairs in a box ; No. 5, half dozen pairs.

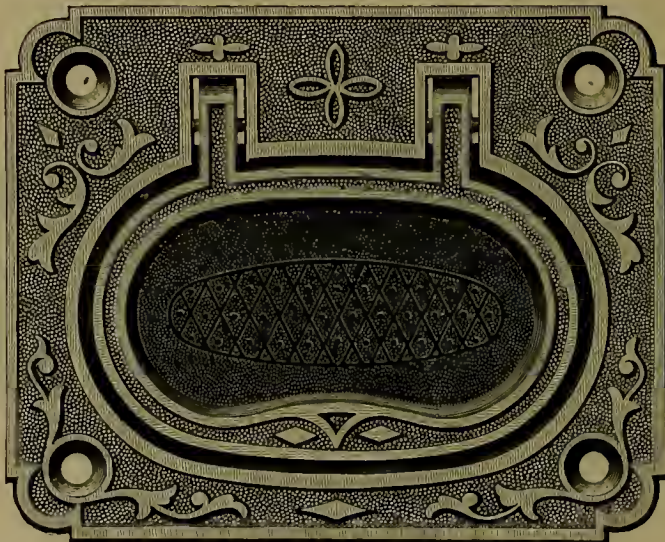
Bronzed Chest Handles.



Full size cut of No. 21.

No. 21, Berlin Bronzed, packed with Screws, per dozen pairs,
 No. 22, " " " " " " " " " " " " " " " " " "

\$ 5 00
 6 70



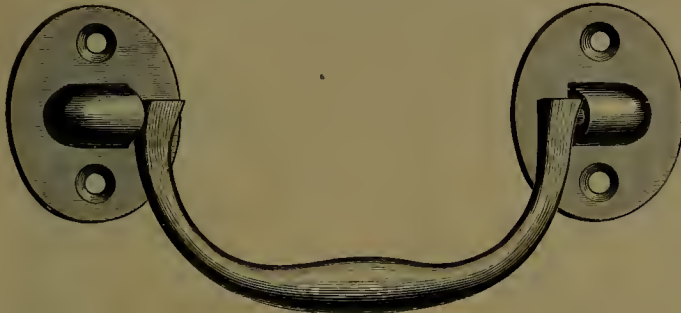
Full size cut of No. 51.

Flush.

No. 51, Berlin Bronzed, packed with Screws, per dozen pairs,
 No. 52, " " " " " " " " " " " " " " " " " "

\$ 6 50
 10 00

Brass Lifting Handles.



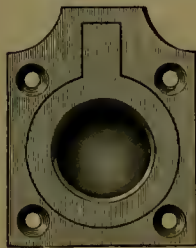
No. 1. Full size cut of 2½ inch.

HEAVY CAST BRASS, POLISHED AND LACQUERED.

No. 1, to swing one way—inch,	2½	3	3½	4
per dozen pairs,	\$ 6 30	7 50	9 60	13 50

One dozen pairs in a box.

No. 20, Brass Flush Rings.



Full size cut of 1½ inch.

Cast Brass, Polished and Lacquered.

Inch,	1	1½	1¾	1¾	1½
Per dozen,	\$ 2 00	2 20	2 65	2 85	3 10

Two dozen in a box.

No. 25, Flush Ring Show Case Catches.



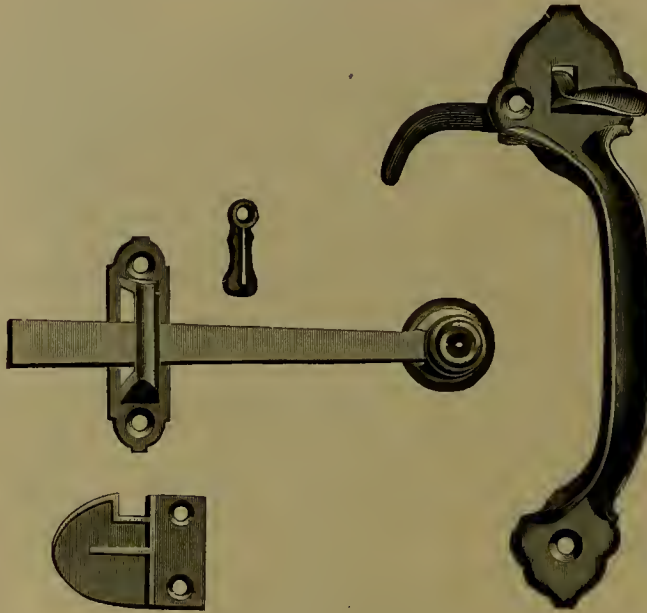
No. 25. Full size cut.

PATENT TRIANGULAR BOLT.

No. 25, Cast Brass, polished and lacquered, per gross,	\$ 54 00
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One-sixth gross in a box.

Japanned Door Handles.

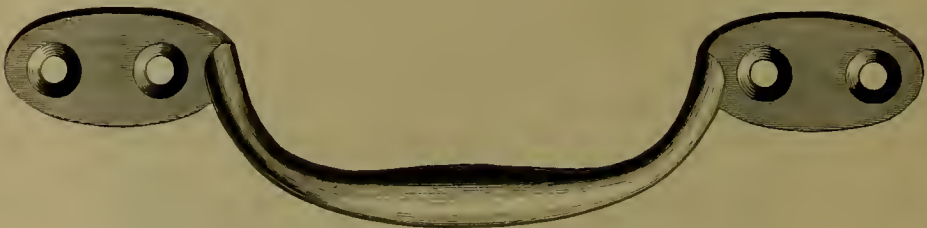


Half size cut of No. 2.

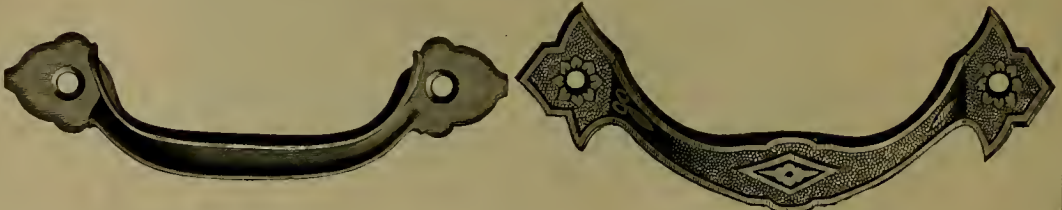
Japanned, Wrought Latch—Nos.	1	2	3	4
Per dozen,	\$ 1 00	1 18	1 35	1 50
Japanned, Wrought Latch, packed with Screws—Nos.	101	102	103	104
Per dozen,	\$ 1 70	1 88	2 15	2 30

One dozen in a box ; Twelve dozen in a case. No charge for cases when ordered in original packages.

Door Pulls.



No. 520. Cast Brass.

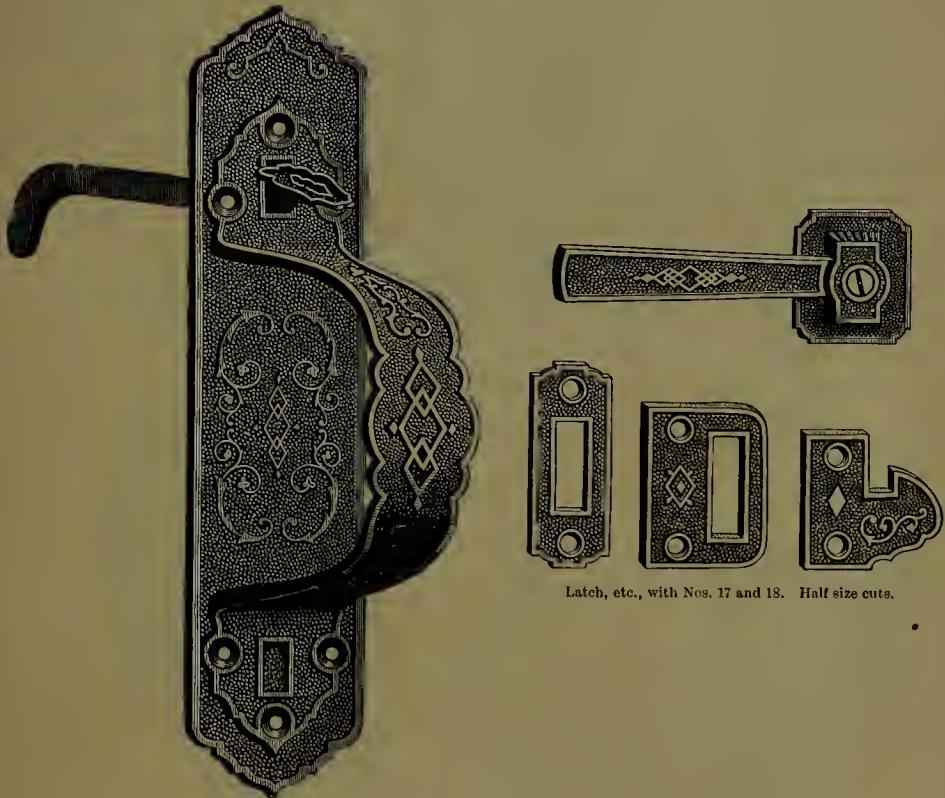


Half size cut of No. 502.

No. 512, Berlin Bronzed. Half size cut.

No. 502, Japanned, two dozen in a box, per dozen,	\$ 0 55
No. 512, Berlin Bronzed, one dozen in a box, per dozen,	1 15
No. 520, Cast Brass, Polished and Lacquered, one dozen in a box, per dozen,	3 50

Store Door Handles.



Nos. 17 and 18.

Latch, etc., with Nos. 17 and 18. Half size cuts.

EITHER RIGHT OR LEFT HAND.

Berlin Bronzed.

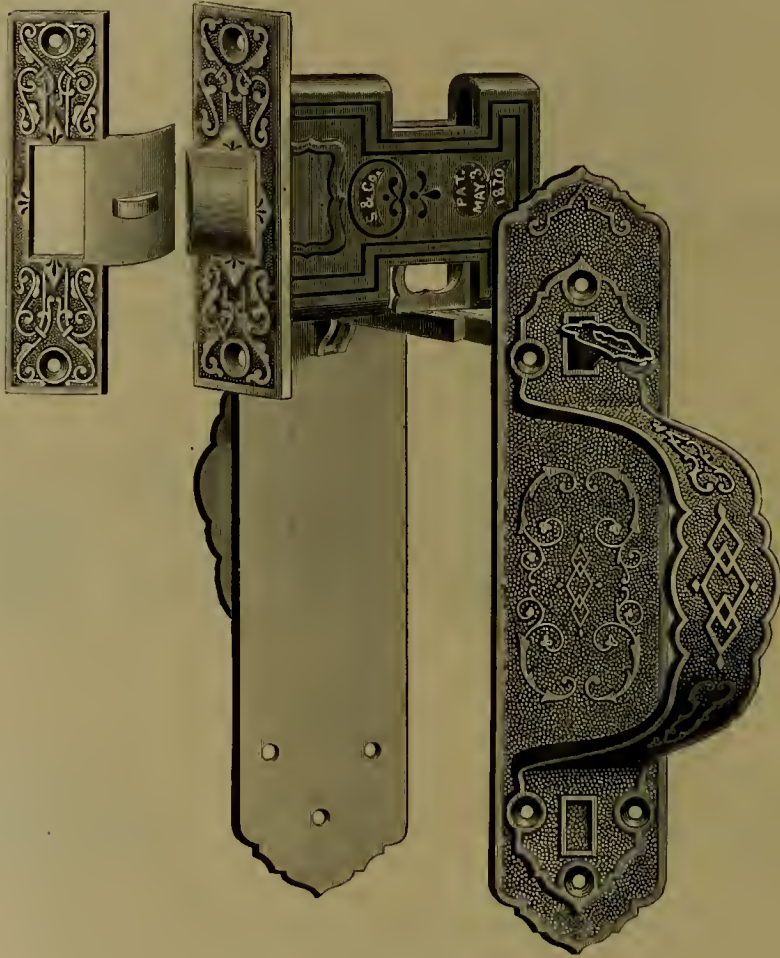
No. 17, With Plate, packed with Screws, per dozen, \$ 5 50

Tuscan Bronzed.

No. 18, With Plate, packed with Screws, per dozen, \$ 4 50

Half dozen in a box.

Store Door Handles.



Half size cut of No. 425.

DOUBLE HANDLE, REVERSIBLE

Round Edge Mortise Latch with Anti-Friction Strike.

Berlin Bronzed, Bronze Metal Latch Bolt.

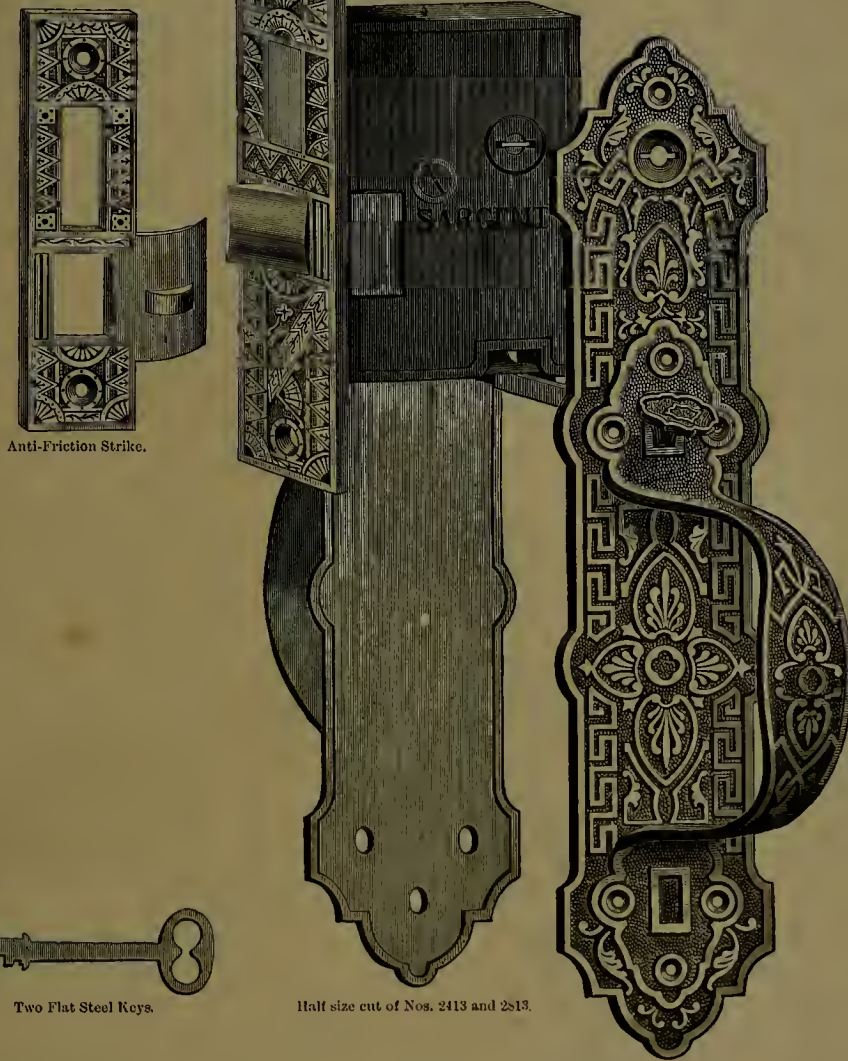
No. 425, Not Rabbeted, packed with Screws, per set,

\$ 2 20

One set in a box.

Store

Door Handles and Lock.



Anti-Friction Strike.

Two Flat Steel Keys.

Half size cut of Nos. 2413 and 2813.

DOUBLE HANDLE.

Three Tumblers, Two Flat Steel Keys, Packed with Screws.

BERLIN BRONZED HANDLES.

BERLIN BRONZED LOCK WITH BRONZE METAL BOLTS.

No. 2413, Lock and Latch, $4\frac{1}{2} \times 3$ inch, not rabbeted, per set,

\$ 7 55

BRONZE METAL HANDLES.

BERLIN BRONZED LOCK WITH BRONZE METAL BOLTS.

No. 2813, Lock and Latch, $4\frac{1}{2} \times 3$ inch, not rabbeted, per set,

\$ 11 00

Be particular to specify Right hand or Left hand as wanted.

Plain Shelf Brackets.



NO. 44, JAPANNED.

Inch,	3 × 4	4 × 5	5 × 6	6 × 8	8 × 10	8 × 12
Per dozen,	\$ 0 48	.68	1 10	1 50	2 10	2 75
Inch,	9 × 13	10 × 12	12 × 14	12 × 17	12 × 20	
Per dozen,	\$ 3 15	3 00	4 50	5 00	6 50	

3 × 4 and 4 × 5 inch, one dozen in a box ; other sizes, half dozen.



NO. 152, TUSCAN BRONZED.

Packed with Screws.

Inch,	3 × 4	4 × 5	4½ × 6	5½ × 8	6 × 9	7 × 10	8 × 11	10 × 12
Per dozen,	\$ 1 35	1 65	2 25	2 50	3 15	3 90	4 50	6 30

Half dozen in a box.

Shelf Brackets.

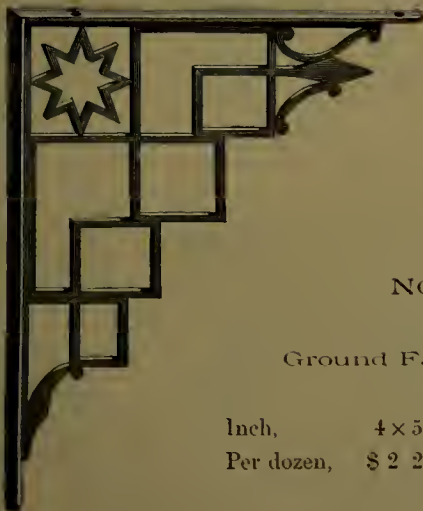


NO. 166, TUSCAN BRONZED.

Packed with Screws.

Inch,	3 × 4	4 × 5	5 × 7	6 × 8	7 × 9	8 × 10	9 × 12
Per dozen,	\$ 1 12	1 45	2 05	2 30	2 85	3 75	4 75

Half dozen in a box.



NO. 254, BERLIN BRONZED.

Ground Face and Edges. Packed with Screws.

Inch,	4 × 5	4½ × 6	5½ × 8	6 × 9	7 × 10	8 × 11	10 × 12
Per dozen,	\$ 2 20	2 75	3 40	4 00	5 00	6 75	9 00

Half dozen in a box.

Bright Iron Wire Screw Eyes.



No. 4.

No. 3.

No. 2.

No. 1.

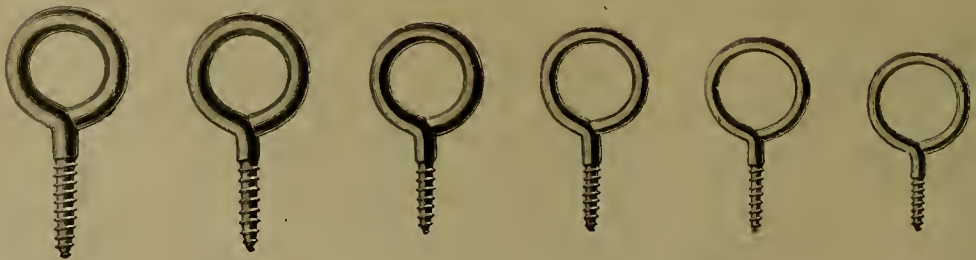


No. 8.

No. 7.

No. 6.

No. 5.



No. 9.

No. 10.

No. 11.

No. 12.

No. 13.

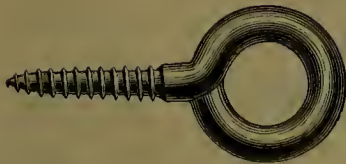
No. 14.

Cuts are full size. For list prices see next page.

Bright Iron Wire Screw Eyes.



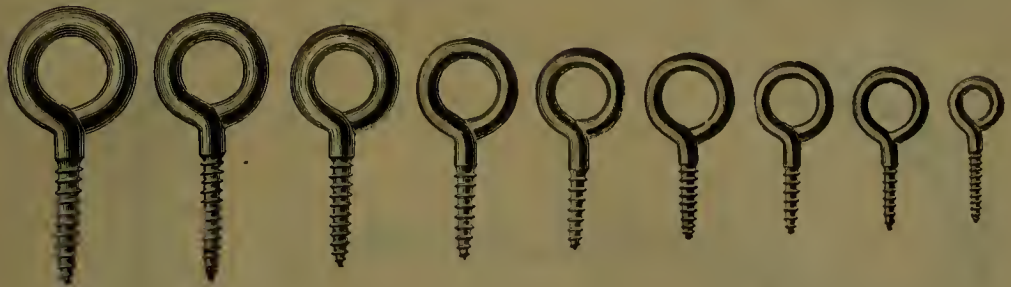
No. 205. No. 206. No. 207. No. 208. No. 209. No. 210. No. 211. No. 212. No. 213. No. 214.



No. 105.



No. 204.



No. 100. No. 107. No. 108. No. 109. No. 110. No. 111. No. 112. No. 113. No. 114.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
\$9 00	7 50	6 00	5 00	4 00	3 00	2 50	2 00	1 70	1 50	1 40	1 30	1 20	1 10	1 05

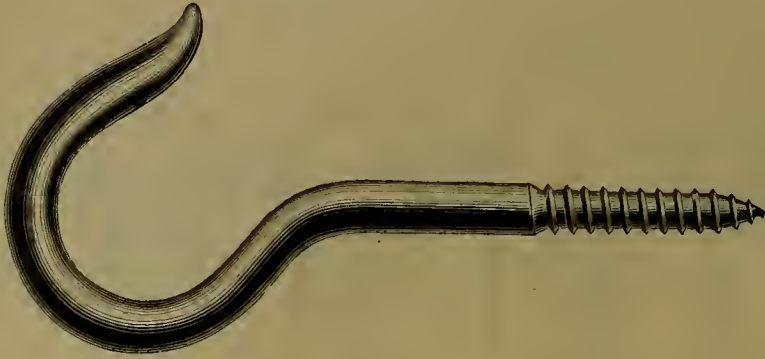
104	105	106	107	108	109	110	111	112	113	114
\$ 3 10	2 60	2 20	1 80	1 60	1 45	1 35	1 25	1 15	1 05	1 00

204	205	206	207	208	209	210	211	212	213	214
\$ 2 90	2 40	2 00	1 65	1 45	1 35	1 30	1 20	1 10	1 00	95

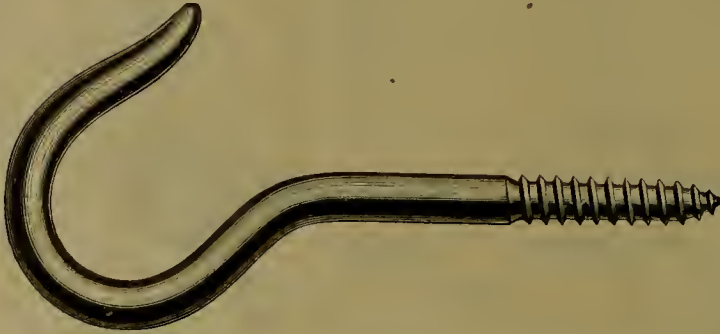
One gross in a box, with following exceptions:

Nos. 0 to 5, half gross in a box; Nos. 13, 14, 113, 114, 213 and 214, two gross in a box. Cuts are full size.

Bright Iron Wire Screw Hooks.



No. 1.



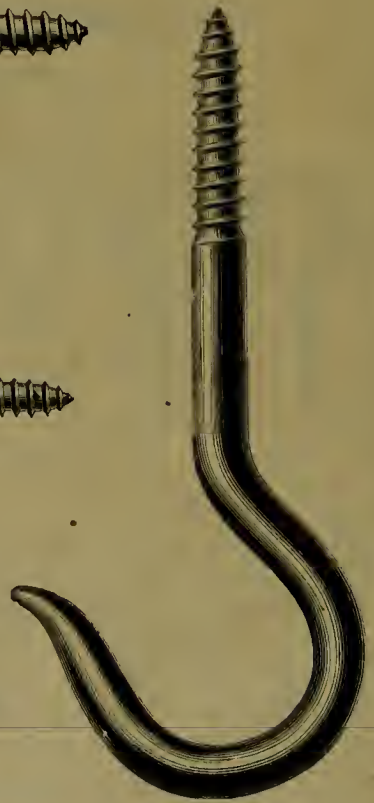
No. 2.



No. 3.



No. 4.



No. 5.

Cuts are full size. For list prices see next page.

Bright Iron Wire Screw Hooks.



No. 5.



No. 6



No. 6j.



No. 7.



No. 8.



No. 9.



No. 10.



No. 11.



No. 12.



No. 13.



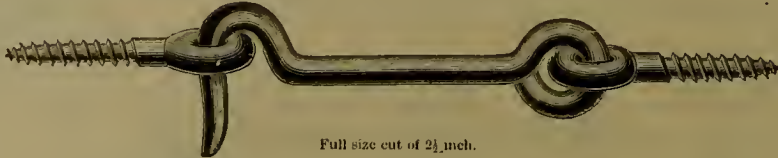
No. 14.

0	1	2	3	4	5	6	6j	7	8	9	10	11	12	13	14
\$ 12 00	10 00	8 00	7 00	6 00	5 00	4 00	3 50	3 00	2 75	2 50	2 25	2 00	1 80	1 70	1 60

Nos. 0 to 5, half gross in a box ; all other numbers, one gross.

Cuts are full size.

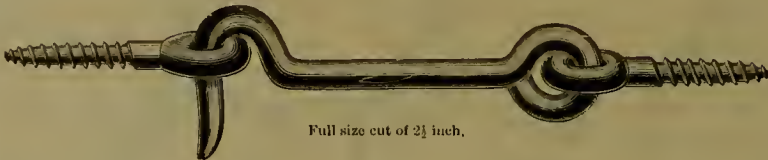
No. 40, Gate Hooks and Eyes.



Full size cut of 2½ inch.

Inch,	1½	2	2½	3	3½	4	4½	5	5½	6
\$	6 50	7 50	8 50	10 00	11 50	12 50	14 00	15 50	17 00	19 00

No. 1040, Brass Gate Hooks and Eyes.

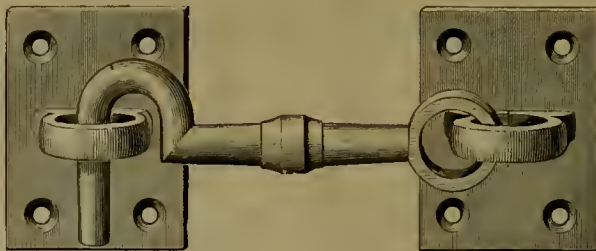


Full size cut of 2½ inch.

Inch,	1½	2	2½	3	3½	4	4½	5	5½	6
\$	12 00	16 00	20 00	25 00	32 00	40 00	50 00	55 00	60 00	70 00

1½ inch, one gross in a box; 2 to 4 inch, half gross; 4½ to 6 inch, quarter gross.

No. 75, Ship Cabin Door Hooks.



Full size cut of 2½ inch.

Heavy Cast Brass, Polished and Lacquered.

Inch,	2½	3	3½	4
Per dozen,	\$ 4 40	5 00	5 75	6 00

Two dozen in a box.

No. 60, Brass Hooks and Eyes.



Full size cut of 2 inch.

Double Convex, Either Right or Left Hand, Heavy.

Inch,	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2
Per gross, \$	3 00	3 25	3 50	4 00	4 75	5 50	6 50

No. 50, Iron Hooks and Eyes.



Full size cut of 2 inch.

Polished Iron, Oval, either Right or Left Hand.

Inch,		1 1/2	2	2 1/2	3
Per gross, \$		1 25	1 75	2 50	3 50

One gross in a box.

Japanned Lamp Hooks.



No. 2, Japanned. No. 22, Cast Brass. Full size cut.

Nos.	0	1	2	3	4	5	6
Inch,	1 1/4	1 1/2	1 3/4	1 3/4	2	2 1/4	2 1/2
Per gross, \$	1 40	1 65	2 00	2 50	2 80	3 80	4 35

Quarter gross in a box.

Brass Lamp Hooks.

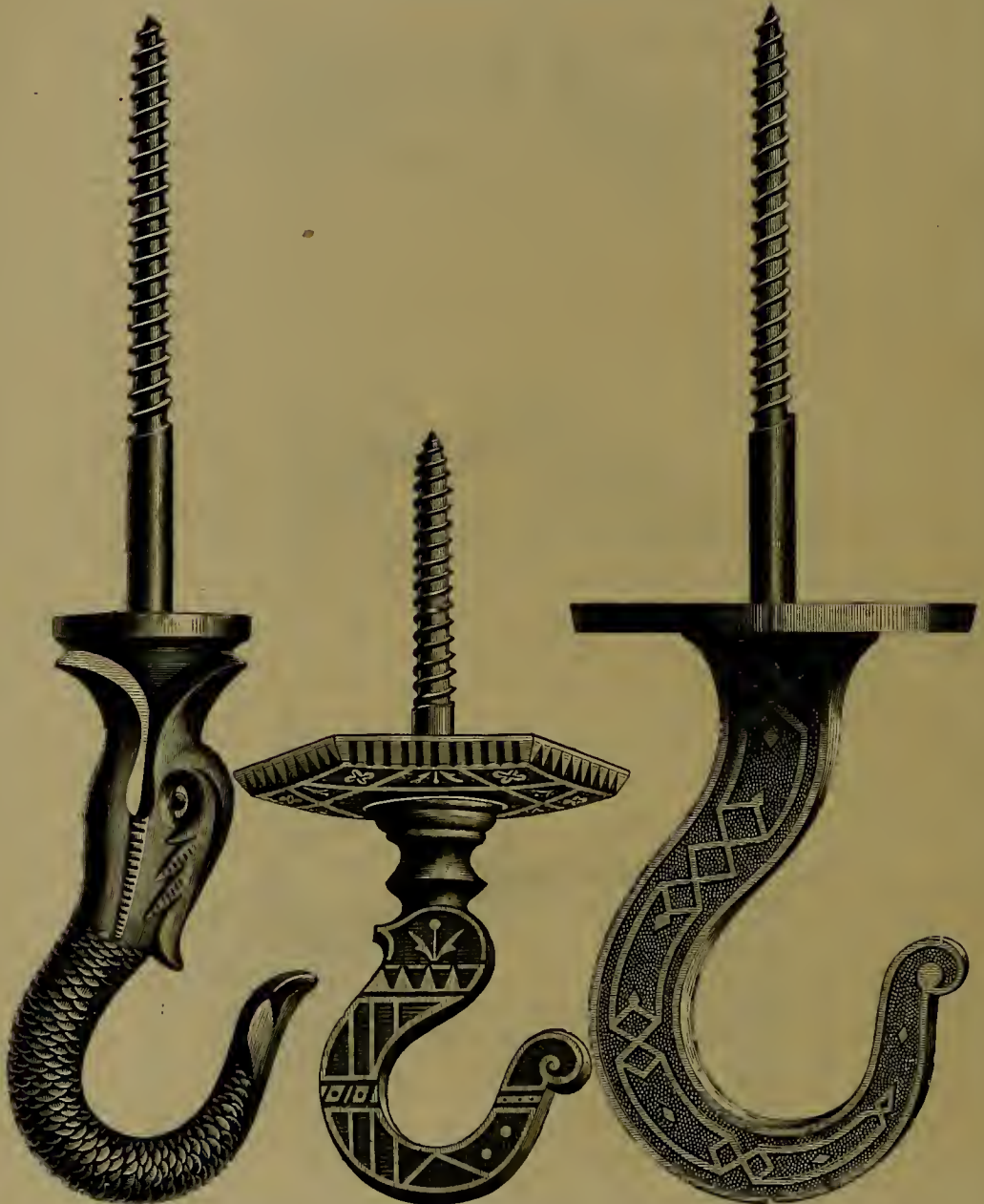
Style as per above cut.

Cast Brass, Polished and Lacquered.

Nos.	20	21	22	23	24	25	26
Inch,	1 1/4	1 1/2	1 3/4	1 3/4	2	2 1/4	2 1/2
Per gross, \$	6 00	8 00	9 25	10 00	14 25	19 00	23 25

Nos. 20 to 25, quarter gross in a box; No. 26, one-sixth gross.

Chandelier Hooks.



Nos. 17 & 27. Full size cut of 4 inch Screw. No. 55. Full size cut of 2½ inch Screw.

No. 46. Full size cut of 4 inch Screw.

Dolphin Pattern.

New Pattern.

Grecian Pattern.

No. 17, Japanned, 4 inch Screw, per dozen,					\$ 1 12
No. 27, Berlin Bronzed, 4 inch Screw, per dozen,					1 80
No. 46, " " 3 " " " "					1 50
No. 55, " " 2½ " " " "					1 00

No. 405, Brass Drive Hooks.



Full size cut of 1 inch.

Cast Brass, Polished and Lacquered.

Inch,	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Per gross,	\$ 2 90	3 10	4 25	5 20	6 00	7 25

One gross in a box.

No. 82, Brass Cup Hooks.



Full size cut of 1 inch.

Cast Brass, Polished and Lacquered.

Inch,	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$
Per gross,	\$ 6 60	7 15	8 40	10 20	12 50	15 50

Half gross in a box.

No. 415, Brass Screw Hooks.



Full size cut of 1 inch.

Cast Brass, Polished and Lacquered.

Inch,	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Per gross,	\$ 3 40	3 65	4 65	5 80	7 25	8 50	9 70	11 50

$\frac{1}{2}$ to $1\frac{3}{4}$ inch, 1 gross in a box ; 2 inch, half gross.

No. 419, Brass Screw Hooks.



Full size cut of 1 1/2 inch.

Acorn Tip, Cast Brass, Polished and Lacquered.

Inch,	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{2}$	3
Per gross,	\$ 9 00	9 50	10 50	11 00	11 70	13 25	17 00

1 inch, one gross in a box ; $1\frac{1}{4}$ to 2 inch, half gross ; $2\frac{1}{2}$ and 3 inch, quarter gross.

No. 30, Cornice Hooks and Eyes.



Full size cut of 2½ inch.

Bright Iron Wire.

Inch,	2	2½	3	3½	4	4½	5
Per gross,	\$ 6 50	7 00	7 50	8 00	8 50	9 00	10 00

Half gross in a box.

Wardrobe Hooks.



Full size cut of Nos. 502 and 572.

Japanned.

Nos.	501	502	503	503½
Per gross,	\$ 0 75	95	1 10	1 70

Copper Bronzed.

No. 572, Copper Bronzed, per gross,				\$ 1 15
No. 573, " " " " " "				1 35

One gross in a box.



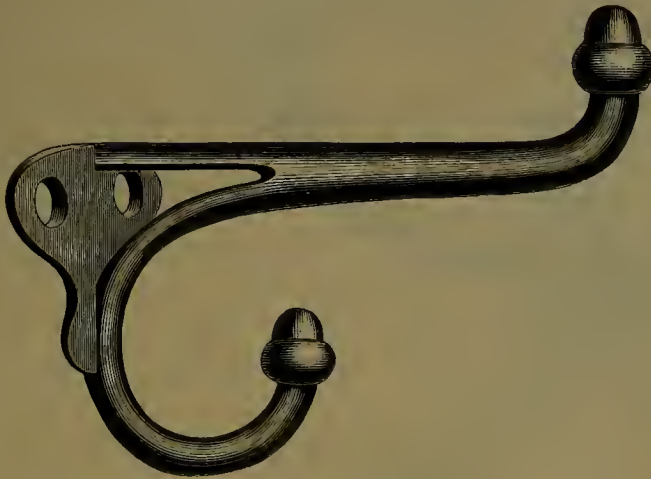
Full size cut of No. 505.

Japanned.

Nos.	504	505	506
Per gross,	\$ 1 70	2 12	2 35

Half gross in a box.

Coat and Hat Hooks.



Full size cut of Nos. 8 and 108

No. 8, Japanned, per gross,	\$ 2 70
No. 18, " " "	3 50
No. 48, " " "	6 50
No. 108, Copper Bronzed, per gross,	2 70
No. 118, " " "	3 50

No. 48, quarter gross in a box ; all others half gross.



Full size cut of Nos. 20 and 120.

Triple Hook, Japanned.

No. 20, Japanned, per gross,	\$ 3 75
No. 120, Copper Bronzed, per gross,	3 75

Quarter gross in a box.

Coat and Hat Hooks.



Full size cut of No. 392.



Full size cut of Nos. 342 and 344.

No. 392, Berlin Bronzed, packed with Screws, per dozen,	\$ 2 00
No. 342, " " " " " "	1 60
No. 344, Gold, " " " " " "	1 85

One dozen in a box.

Coat and Hat Hooks.



Full size cut of No. 354.

Patent Fastened Porcelain Knobs.

No. 354, Gold Bronze, per dozen,	\$ 2 50
No. 355, Cast Brass, per dozen,	6 00

One dozen in a box.

Coat and Hat Hooks.



Full size cut of No. 244.

No. 244, Tuscan Bronzed, packed with Screws, per gross,

\$ 9 00

Quarter gross in a box.



Full size cut of No. 92.

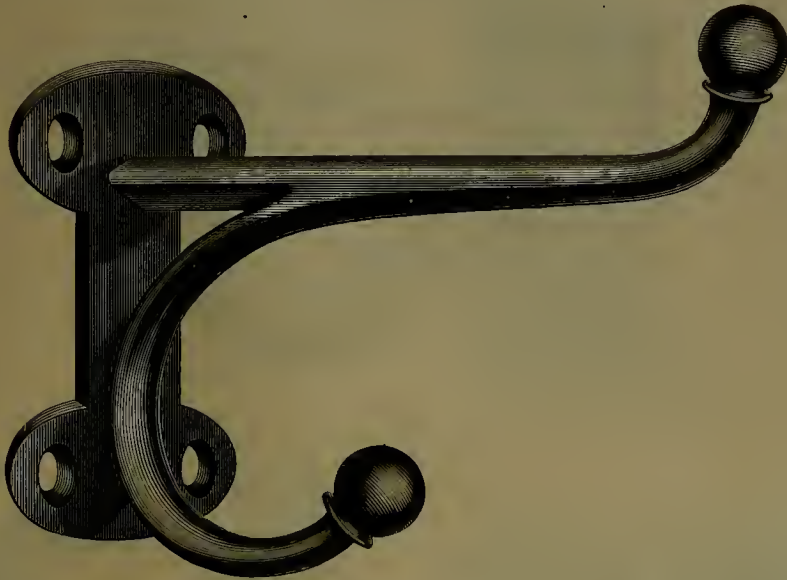
Japanned.

No. 92, Double Hook, Japanned, per gross,

\$ 7 00

Quarter gross in a box.

Japanned Harness Hooks.



No. 80.

No. 80, Length, 5½ inches, per dozen,

\$ 1 30

One dozen in a package.



No. 4, Japanned, 6 inches long, per dozen,

\$ 1 90

One dozen in a box.

Clothes Line Hooks.



Full size cut of No. 1, Japanned.



Full size cut of No. 2.

Full size cut of No. 3.

Japanned.

No. 1, Japanned, extra strong, per dozen,

\$ 1 30

No. 2, " " " " " "

75

No. 3, " " " " " "

60

Nos. 1 and 2, one dozen in a box; No. 3, two dozen.



Full size cut of No. 12.

Japanned.

No. 11, Japanned, Wrought Serew, per dozen,

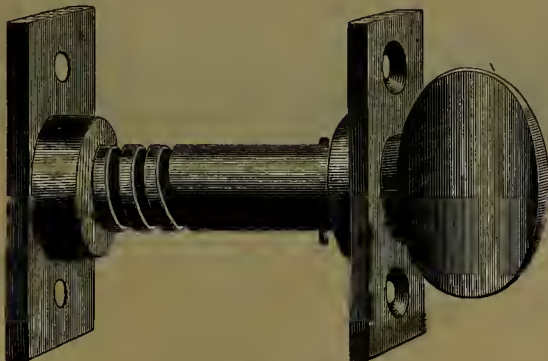
\$ 1 20

No. 12, " " " " " "

72

Two dozen in a box.

Shutter Screws.



Full size cut of 2 inch.

Heavy, Square Thread, Japanned.

Inch,	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	3
Per gross,	\$ 12 15	13 30	13 60	14 00	15 30

One-sixth gross in a box.

Japanned Sash Centers.



Full size cut of No. 1.



Nos. 2 and 4. Full size cut of No. 2.

No. 1 Japanned, per gross,		\$ 3 15
No. 2, " heavy, $\frac{3}{16}$ inch Stem, per gross,		6 75
No. 4, " " $\frac{3}{8}$ " " " " " " " " " " " "		7 20

Window Spring Bolts.



Full size cut of Nos. 10 and 20.

No. 10, Japanned, per gross,		\$ 2 90
No. 20, Silvered Tip, " " " " " " " " " " " "		3 80

Half gross in a box.

Patent Sash Bolts.



No. 305.

No. 305, with Flange on Socket, per gross,

\$ 3 00

No. 10, Japanned Sash Rollers.



Full size cut of $\frac{3}{8}$ inch.

Inch,	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{4}$
Per gross,	\$ 3 15	3 75	5 50	7 50	10 00

$\frac{3}{8}$ to 1 inch, half gross in a box ; 1 $\frac{1}{4}$ inch, quarter gross.

No. 20, Axle Pulleys.



Full size cut of 2 inch.

Milled Axle, Painted Face, Polished Wheel.

Inch,	1 $\frac{3}{4}$	2	2 $\frac{1}{2}$
Per dozen,	\$ 0 60	.75	1 00

One dozen in a package.

No. 00, Extra Heavy Axle Pulleys.



No. 00. Full size cut of 2 inch.

Polished Wheel, Milled Axle, Painted Face.

Inch,	1 3/4	2	2 1/4
Per dozen,	\$ 0 80	1 00	1 20

One dozen in a package.

No. 8, Axle Pulleys.



Full size cut of 1 1/2 inch.

Riveted Wire Axle, Polished Wheel, Painted Face.

1 1/4 inch, extra heavy, per dozen,	\$ 0 55
2 " " " " " "	62
2 1/4 " " " " " "	75

Barbed Blind Staples.



Ratchet Barbed, Needle Pointed.

Inch,	3/32	1/16	5/32	3/16	1/4
Per pound,	\$ 0 40	.30	.30	.30	.30



Full size cut of 1½ inch.

No. 45, Screw Pulleys.

Japanned, Single.

Inch,	1	1¼	1½	1¾	2	2½
Per dozen,	\$ 0 55	.60	.68	.82	1 10	1 40

Inch,	2½	3	4	5
Per dozen,	\$ 1 60	2 25	6 00	10 00

1 to 2¼ inch, two dozen in a box; 2½ and 3 inch, one dozen;

4 and 5 inch, one-third dozen.

No. 25, Side Pulleys.



Full size cut of 1½ inch.

Japanned.

Inch,	¾	1	1½	1¾	2	2¼	2½	3	4	5
Per dozen,	\$ 0 85	90	1 00	1 20	1 30	2 10	2 40	3 50	9 00	15 00

¾ to 2 inch, two dozen in a box; 2¼ and 2½ inch, one dozen; 3 inch, half dozen;

4 inch, quarter dozen; 5 inch, one-sixth dozen.



No. 75. Full size cut of 2 inch.

Tackle or Awning Pulleys.

SINGLE.

No. 75, Japanned.

Inch,	2	2½	3
Per dozen,	\$ 2 00	3 00	4 00

2 inch, one dozen in a box; 2½ and 3 inch, half dozen.



No. 77. Full size cut of 2 inch.

DOUBLE.

No. 77, Japanned

Inch,	2	2½	3
Per dozen,	\$ 3 50	4 50	6 00

2 inch, one dozen in a box; 2½ and 3 inch, half dozen.

Tackle or Awning Pulleys.

No. 74. Full size cut of $1\frac{1}{2}$ inch.

SINGLE.

No. 74, Japanned.

Inch,	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Per dozen,	\$ 0 85	1 00	1 30	1 65	2 50

2 inch, half dozen in a box; other sizes one dozen.

No. 76. Full size cut of $1\frac{1}{2}$ inch.

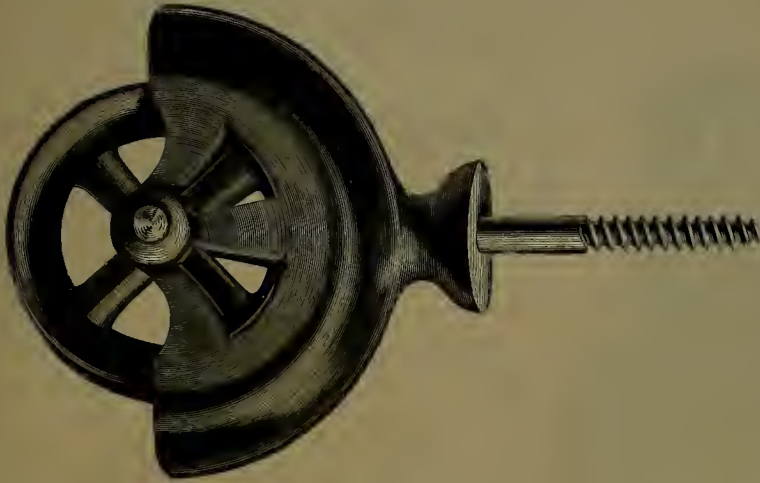
DOUBLE.

No. 76, Japanned.

Inch,	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Per dozen,	\$ 1 25	1 35	2 00	2 88	3 50

2 inch, half dozen in a box; other sizes, one dozen.

No. 43, Incased Screw Pulleys.



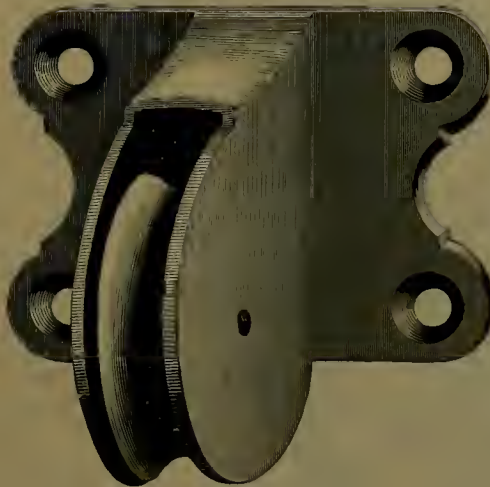
Full size cut of 2 inch.

Japanned.

Inch,	2	2½	3
Per dozen,	\$ 1 75	2 25	3 00

One dozen in a box.

No. 85, Hot House Pulleys.



Full size cut of 1½ inch

Single, Japanned.

Inch,	2	2½	2½
Per dozen,	\$ 2 40	3 20	4 20

2 inch, one dozen in a box ; 2½ and 2½ inch, half dozen.

Clothes Line Pulleys.



Full size cut of 2½ inch.

No. 65, Japanned.

2½ inch, Japanned, per dozen,	\$ 1 15
3 " " " " " " " " " "	1 85

One dozen in a box.

Well Wheels.



Japanned.

Inch,	8	10	12	14
Per dozen,	\$ 8 00	9 50	12 50	20 00

Wrought Staples.



Full size cut of 2 inch.

Inch,	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$
Per gross,	\$ 1 20	1 20	1 25	1 50	1 70	2 00	2 35
Inch,	2 $\frac{3}{4}$	3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5	
Per gross,	\$ 2 65	3 20	3 70	5 25	6 50	7 00	
Assorted, 1 $\frac{1}{2}$ to 3 inch (1 $\frac{1}{2}$, 1 $\frac{3}{4}$, 2, 2 $\frac{1}{2}$ and 3), per gross,							\$ 2 00
“ 1 $\frac{1}{2}$ “ 3 $\frac{1}{2}$ “ (1 $\frac{1}{2}$, 1 $\frac{3}{4}$, 2, 2 $\frac{1}{2}$, 3 and 3 $\frac{1}{2}$), “							2 10

1 to 2 $\frac{3}{4}$ inch, one gross in a box ; 3 to 4 inch and assorted, half gross ; 4 $\frac{1}{2}$ and 5 inch, quarter gross.

Wrought Rings and Staples.

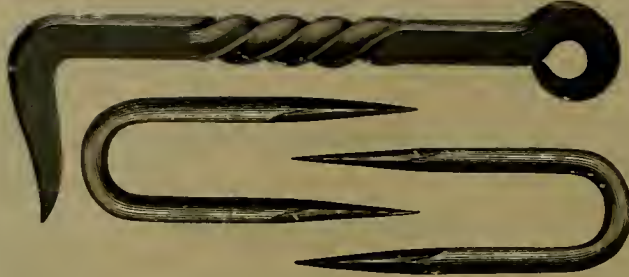


Full size cut of 1 $\frac{1}{4}$ inch.

Inch,	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	3
Per gross,	\$ 8 40	9 60	11 50	13 20	15 60	18 00

Quarter gross in a box.

Wrought Hooks and Staples.

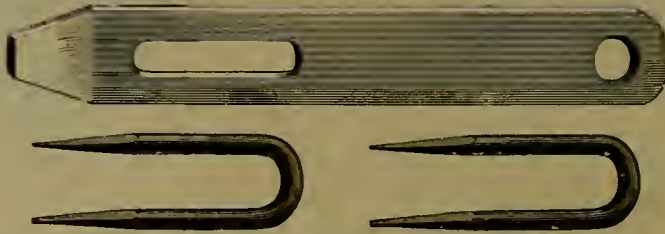


Full size cut of 3½ inch.

Inch,	2½	3	3½	4	4½
Per gross,	\$ 5 50	6 40	7 30	8 50	9 50
Inch,	5	5½	6	7	8
Per gross,	\$ 10 50	11 50	12 50	15 50	20 00

Quarter gross in a box.

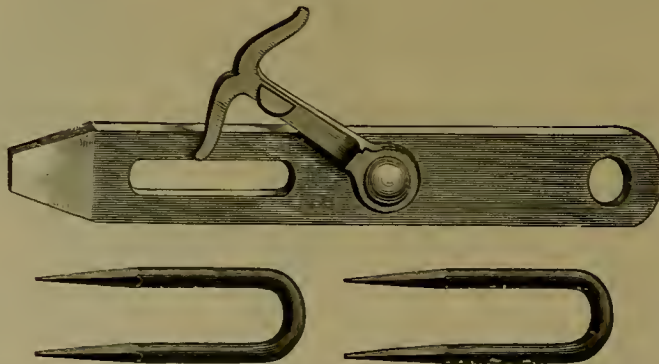
Wrought Hasps and Staples.



Inch,	4	5	6	7	8	9	10	12
Per dozen,	\$ 0 84	.90	1 00	1 10	1 30	1 70	1 80	2 60

One dozen in a box.

Wrought Hasps and Staples with Hooks.



Inch,	5	6	7	8	9	10	12
Per dozen,	\$ 1 20	1 40	1 60	1 80	2 20	2 50	3 84

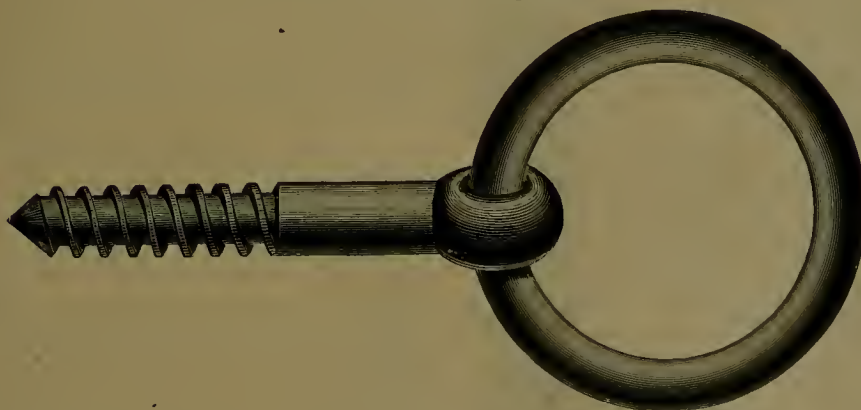
One dozen in a box.

Wrought Bent Hasps and Staples.



Inch,	.	.	5	6	7	8
Per dozen,	.	.	\$ 0 90	1 10	1 30	1 50

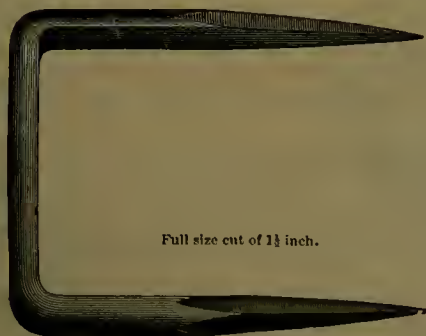
Wrought Hitching Rings.



Full size cut of Nos. 15 and 16.

No. 15, Wrought Iron, per dozen,	.	.	.	.	.	\$ 2 25
No. 16, Japanned Wrought Iron, per dozen,	.	.	.	.	.	\$ 2 75

One dozen in a box.



Full size cut of 1½ inch.

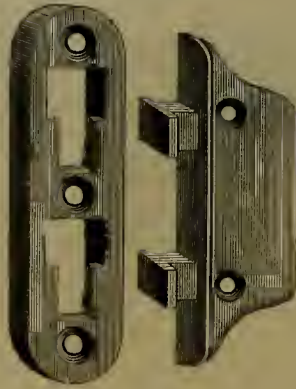
Wagon Bow Staples.

Wrought Iron.

Inch,	1½	1¾	2	2¼	2½
Per gross,	\$ 6 00	6 25	7 75	8 50	9 50

Quarter gross in a box.

Bed Fasts.



No. 5.

No. 5, 4½ inch, Double Hook, per set,

\$ 0 28

Bed Casters.



All Iron, Copper Bronzed.

No. 404, 2 inch, per set,
No. 405, " " "

\$ 0 16
0 18

Four sets in a package.

Casters.



PLATE CASTERS.

All Iron, Copper Bronze.

Nos.	1	2	3	4	5	6	7
Per set,	\$ 0 10	.11	.12	.15	.17	.20	.28

Copper Bronzed, Brass Wheel.

Nos.	1	2	3	4	5	6	7
Per set,	\$ 0 21	.26	.33	.42	.45	.60	.80

Six sets in a package.

Philadelphia Pattern Plate Casters.



Full size cut of No. 4.

Iron Horn, Iron Plate, Copper Bronzed.

Nos.	902	903	904	905	906
Iron Wheel, per set,	\$ 0 12	.13	.15	.16	.18
Nos.	922	923	924	925	926
Lignum-vite, per set,	\$ 0 17	.19	.22	.23	.26

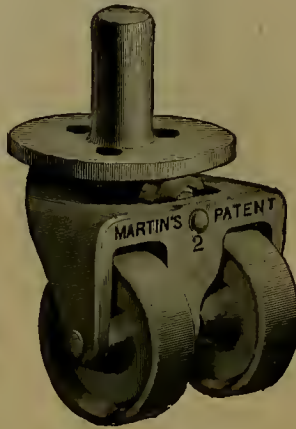
Six sets in a package.

Phoenix Casters.

All cuts full size.



Round Socket.



Phoenix Stem.



Round Plate.



Round Plate.

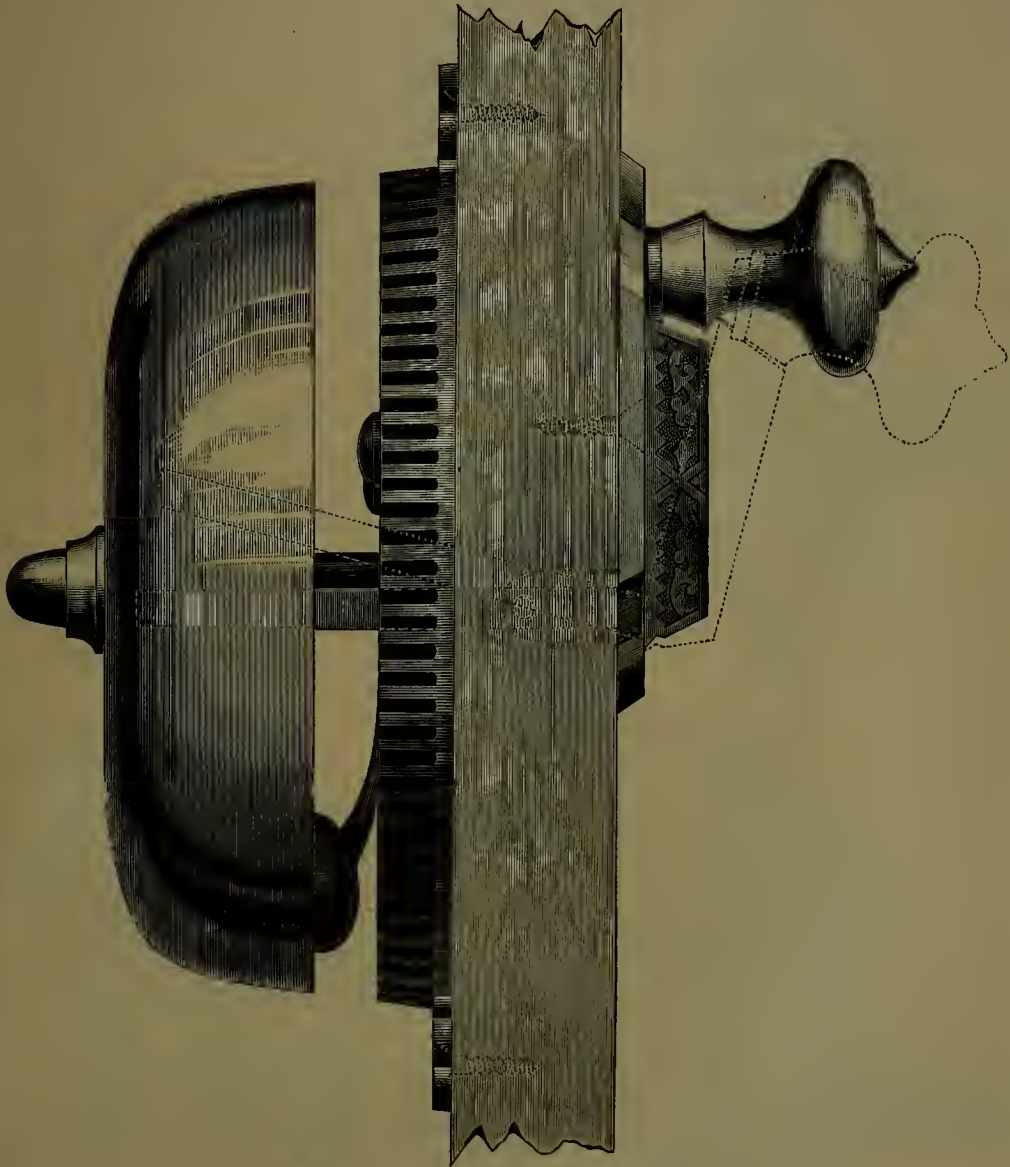


Oblong Plate.

PRICE PER SET. ONE SET IN A BOX.

Number of Caster,		2	3	4	5	6	7	8	10
Diameter of Wheel,		1 in.	1 1/8 in.	1 1/4 in.	2 in.	1 1/2 in.	2 1/4 in.	2 1/2 in.	3 1/2 in.
Round Plate, Iron Wheel,		\$ 80	\$ 85	\$ 90	\$1 00	\$1 25	\$1 50	\$1 75	\$2 00
Round Socket Plate, Iron Wheel,		80	85	90	1 00	1 25	1 50	1 75	2 00
Oblong Plate, Iron Wheel,		80	85	90	1 00	1 25	1 50	1 75	2 00
Phoenix Stem Plate, Iron Wheel,		80	85	90	1 00	1 25	1 50	1 75	2 00
Ordinary Stem Plate, Iron Wheel,		80	85	90	1 00	1 25	1 50	1 75	2 00
Round Plate, Porcelain Wheel,		80	85	90	1 00	1 25	1 50	1 75	2 00
Round Socket Plate, Porcelain Wheel,		80	85	90	1 00	1 25	1 50	1 75	2 00
Oblong Plate, Porcelain Wheel,		80	85	90	1 00	1 25	1 50	1 75	2 00
Phoenix Stem Plate, Porcelain Wheel,		80	85	90	1 00	1 25	1 50	1 75	2 00
Ordinary Stem Plate, Porcelain Wheel,		80	85	90	1 00	1 25	1 50	1 75	2 00
Round Plate, Lignum-vitæ Wheel,		80	85	90	1 00	1 25	1 50	1 75	2 00
Round Socket Plate, Lignum-vitæ Wheel,		80	85	90	1 00	1 25	1 50	1 75	2 00
Oblong Plate, Lignum-vitæ Wheel,		80	85	90	1 00	1 25	1 50	1 75	2 00
Phoenix Stem Plate, Lignum-vitæ Wheel,		80	85	90	1 00	1 25	1 50	1 75	2 00

Lever and Pull Door Bells.



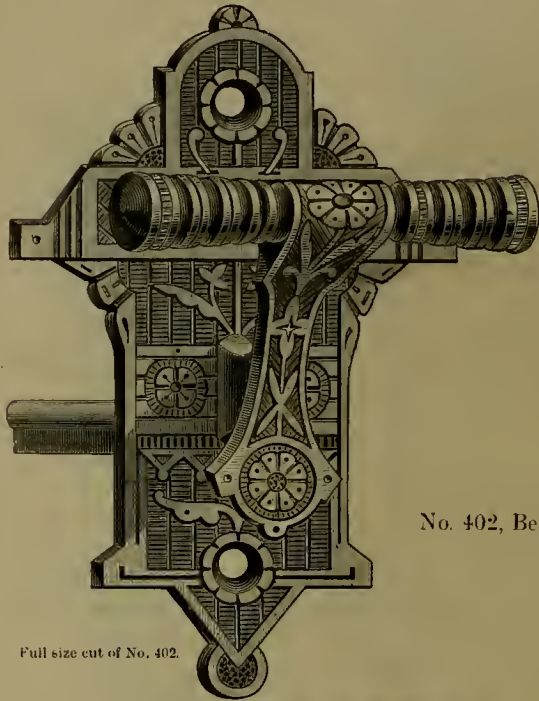
Full size cut (side view) of Plain Bell, mounted with Lever.

Bells only, packed with Screws.

No. 2003 $\frac{1}{2}$, 3 $\frac{1}{2}$ inch, Bell Metal plain, per dozen,	\$ 13 50
No. 5, 5 inch, Bell Metal plain, per dozen,	21 50
No. 2013 $\frac{1}{2}$, 3 $\frac{1}{2}$ inch, Nickel plated, per dozen,	16 75
No. 13 $\frac{1}{2}$, 3 $\frac{1}{2}$ " " " "	18 50
No. 15, 5 " " " "	26 00
No. 143 $\frac{1}{2}$, 3 $\frac{1}{2}$ " Berlin Bronze, fancy, per dozen,	10 00

One-twelfth dozen in a box.

Levers for Door Bells.



Full size cut of No. 402.

Packed with Screws

No. 402, Berlin Bronzed, per doz.,

\$ 3 75

One-twelfth dozen in a box.



Full size cut of Nos. 401 and 601.



Full size cut of No. 806.

Packed with Screws.

No. 401, Berlin Bronzed, Poreclain Knob, per dozen,

\$ 4 40

No. 601, Silver Plated on Cast Brass, Poreclain Knob, per dozen,

11 25

No. 806, Bronze Metal, Faney Bronze Metal Knob, per dozen,

13 25

One-twelfth dozen in a box.

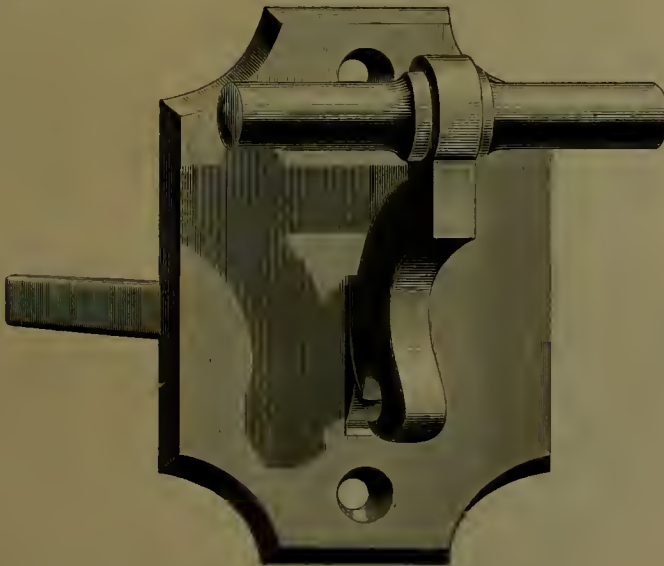
Levers for Door Bells.



Full size cut of No. 807.

No. 807, Bronze Metal, packed with Bronze Metal Screws, per dozen.

\$ 14 00



Full size cut of No. 708.

No. 708, Nickel Plated on Cast Brass, packed with Screws, per dozen,
One-twelfth dozen in a box.

\$ 16 25



Full size cut of No. 405.

Lever
for
Door Bells.

Packed with
Screws.

No. 405, Berlin Bronzed,
per doz., \$ 4 00



Full size cut of No. 809.

Packed with
Screws.

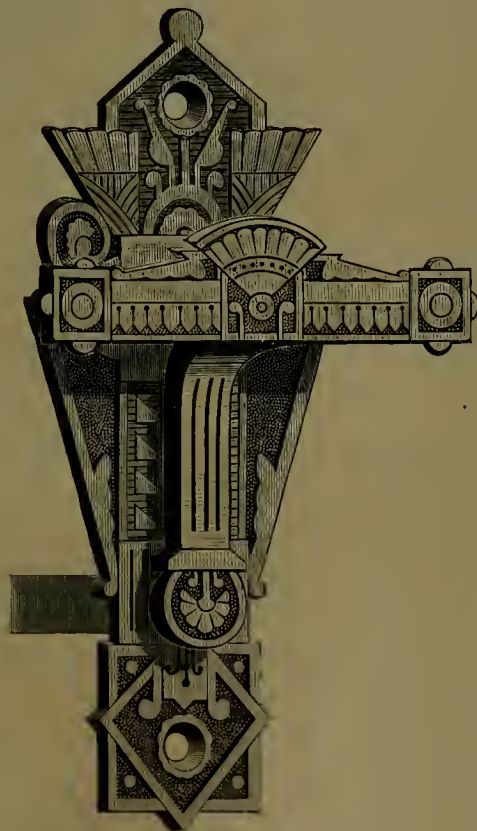
No. 809, Bronze Metal,
per doz., \$ 16 00

One-twelfth dozen in a box.

Lever Handles for Door Bells.



Two-thirds size cut of No. 0920.



Full size cut of No. 06.

No. 06, Nickel Plated on Engraved Brass, per dozen,

\$ 14 00

No. 0920, Nickel Plated on Engraved Brass, per dozen,

16 00

In paper boxes of one each, with screws.

Bell Pulls for Door Bells.



Full size cut of No. 1801.

Shield Base, packed with Screws.

No. 1801, Bronze Metal, packed with Bronze Metal Screws, per dozen,

\$ 16 00



Full size cut of No. 1800.

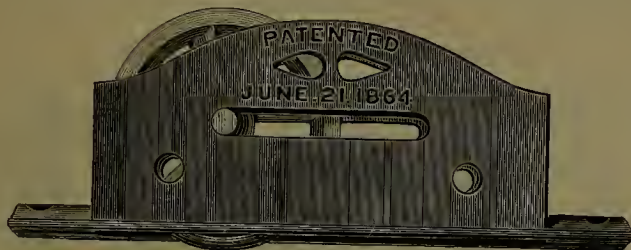
Circular Base to screw in.

No. 1800, Bronze Metal, per dozen,

\$ 15 00

One-twelfth dozen in a box.

Patent Roller Sliding Door Sheaves.



Inch,	2½	3	4	5	6
Length of Run—inches,	33	42	46	51	66
Per set,	\$ 3 00	4 00	5 00	6 00	7 00

Sliding Door Sheaves.

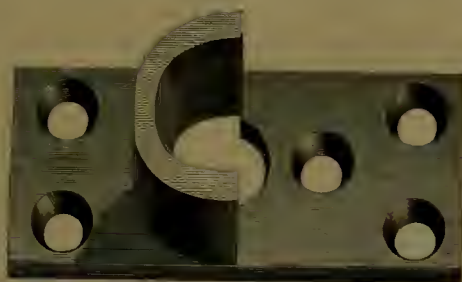


Half size cut of 4 inch.

Iron Wheel Brass Pin.

Inch,	3	4	5	6
Per set,	\$ 1 75	2 25	3 00	4 00

Sliding Door Stops.



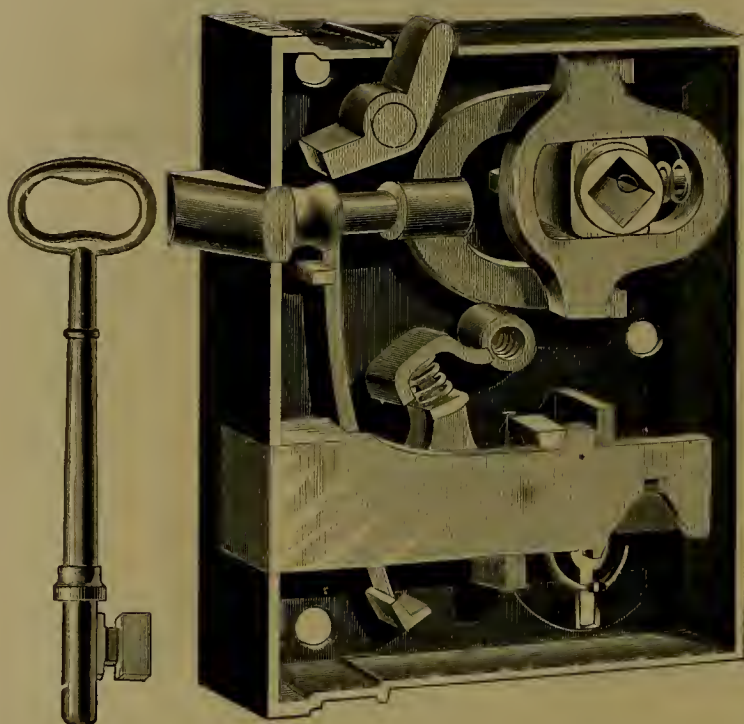
Full size cut of Nos. 37 and 38.

No. 37, Painted, per dozen,	\$ 1 00
No. 38, Cast Brass, per dozen,	8 50

One dozen in a box.

MALLORY, WHEELER & CO'S

Upright Rim Knob Locks.



No. 001.

No. 001, 4 x 3 1/4 in., Iron Bolts, Tinned Iron Key, Lever Stop with No. 218 Knobs, per doz., \$

“ “ “ “ “ “ 238 “ “

No. 0215 1/4, 4 1/2 x 3 1/4 in., Brass Bolts, Brass Key, Lever Stop with No. 218 “ “

“ “ “ “ “ “ 238 “ “

No. 215 1/2, 4 1/2 x 3 1/2 in., “ “ “ “ 218 “ “

“ “ “ “ “ “ 238 “ “

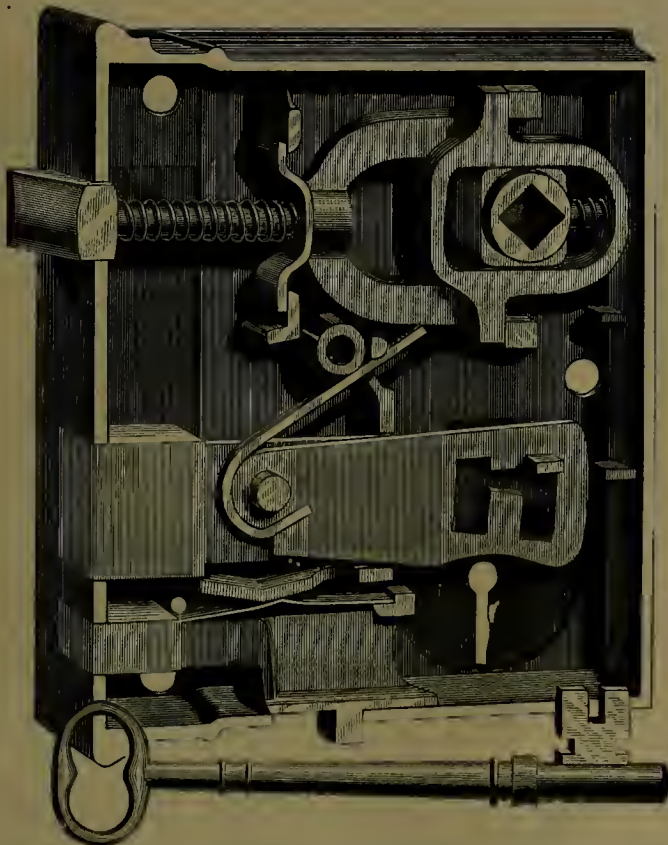
All Locks Reversible for right or left hand.

Packed with Screws and Japanned Plate Escutcheons.

Half dozen in a box, without Knobs.

For Knobs, see page 119.

Upright Rim Knob Locks.



Nos. 217½ and 1023, Brass Key.

No. 00211½,	4½ × 3¼ in.,	Iron Bolts, Tinned Iron Key, Thumb Bolt with No. 218 Knobs, per doz.,	8
“	“	“	238 “
No. 217,	4½ × 3½ in.,	Brass Key, Thumb Bolt with No. 218 Knobs,	“
“	“	“	238 “
No. 217½,	4½ × 3½ in.,	Brass Bolts,	“
“	“	“	238 “
No. 601,	6 × 4 in.,	Heavy Iron Bolts, Brass Key, Thumb Bolts with No. 218 Knobs,	“
“	“	“	238 “
“	“	“	238½ “

All Locks Reversible for right or left hand.
 Packed with Screws and Japanned Plate Escutcheons.
 Half dozen in a box without Knobs.
 For Knobs, see page 119.

Upright Rim Store Door Knob Locks.

7 INCH.



Nos. 500, 501, 503 and 505.

For description see next page.

Easy Spring Upright Rim Store Door Knob Locks.

7 IN., 5-16 IN. HUB.

Nickel-plated Folding Steel Keys.

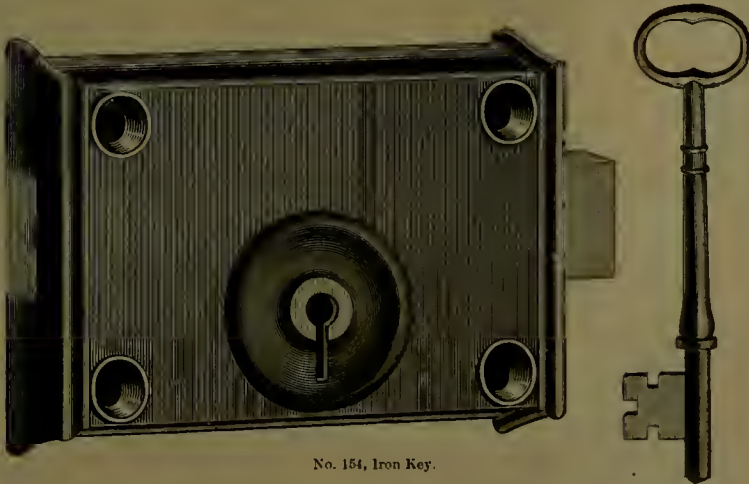
REVERSE BY PULLING LATCH BOLT FORWARD AND TURNING HALF ROUND.

EASY SPRING IN CLOSING DOOR, HEAVY ON KNOB.

- No. 500, 7 x 3¼ in., Heavy Iron Bolts, 2 Nickel-plated Folding Steel Keys, 1 Tumbler,
16 changes, with No. 238½ Knobs, per dozen, \$
- No. 500, 7 x 3½ in., Heavy Iron Bolts, 2 Nickel-plated Folding Steel Keys, 1 Tumbler,
16 changes, with No. 260½ Knobs, per dozen,
- No. 500, 7 x 3½ in., Heavy Iron Bolts, 2 Nickel-plated Folding Steel Keys, 1 Tumbler,
16 changes, with No. 261¾ Knobs, per dozen,
- No. 501, 7 x 3½ in., Heavy Iron Bolts, 2 Nickel-plated Folding Steel Keys, 2 Tumblers,
30 changes, with No. 238½ Knobs, per dozen,
- No. 501, 7 x 3½ in., Heavy Iron Bolts, 2 Nickel-plated Folding Steel Keys, 2 Tumblers,
30 changes, with No. 261¾ Knobs, per dozen,
- No. 503, 7 x 3½ in., Heavy Brass Bolts, 2 Nickel-plated Folding Steel Keys, 1 Tumbler,
16 changes, with No. 261¾ Knobs, per dozen,
- No. 505, 7 x 3½ in., Heavy Brass Bolts, 2 Nickel-plated Folding Steel Keys, 5 Tumblers,
100 changes, with No. 261¾ Knobs, per dozen,

Horizontal Rim Closet or Dead Locks.

Right or Left Hand.



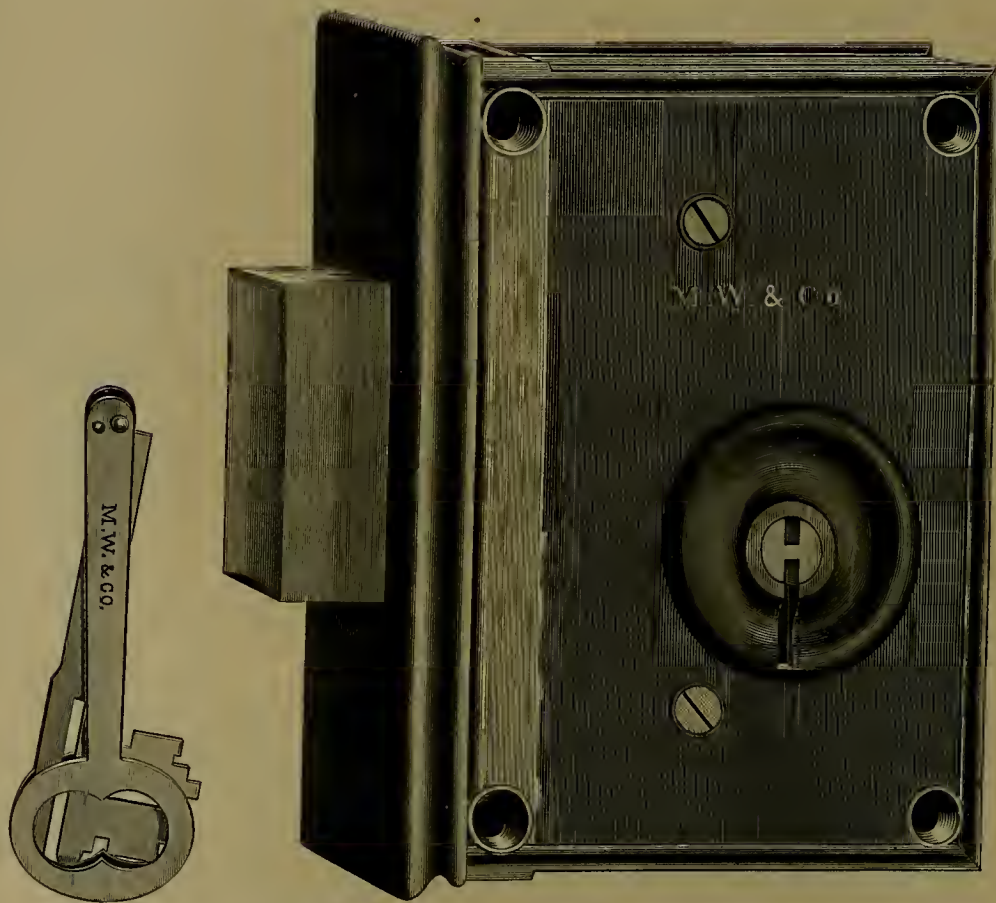
No. 154, Iron Key.

- No. 154, 3½ x 2½ in., Iron Bolt, Thin Bit Tinned Malleable Iron Key, 1 Tumbler,
per dozen, \$

Packed with Screws and Japanned Plate Escutcheons No. 478.

Half dozen in a box.

Upright Rim Store Door Dead Locks.



No. 466.

Folding Keys.

No. 466, 5 x 4 in., Heavy Iron Bolt, Nickel-plated Folding Steel Key, 3 Tumblers,
50 changes, Right or Left Hand, with 1 Key, per dozen, . . . \$

No. 466, 5 x 4 in., Heavy Iron Bolt, Nickel-plated Folding Steel Keys, 3 Tumblers,
50 changes, Right or Left Hand, with 2 Keys, per dozen, . . . \$

Packed with Screws and Japanned Plate Escutcheons.

Quarter dozen in a box.

Upright Rim Store Door Dead Locks.



Nos. 416 and 416½.

Either Right or Left Hand.

No. 416, 4 × 2½ in., Heavy Brass Bolt, Nickel-plated Folding Steel Keys, 3 Tumblers, 50 changes, per doz., \$
No. 416½, 4 × 2½ in., Heavy Iron Bolt, Nickel-plated Folding Steel Keys, 3 Tumblers, 50 changes, per doz., \$
Packed with Screws and Japanned Escutcheons.

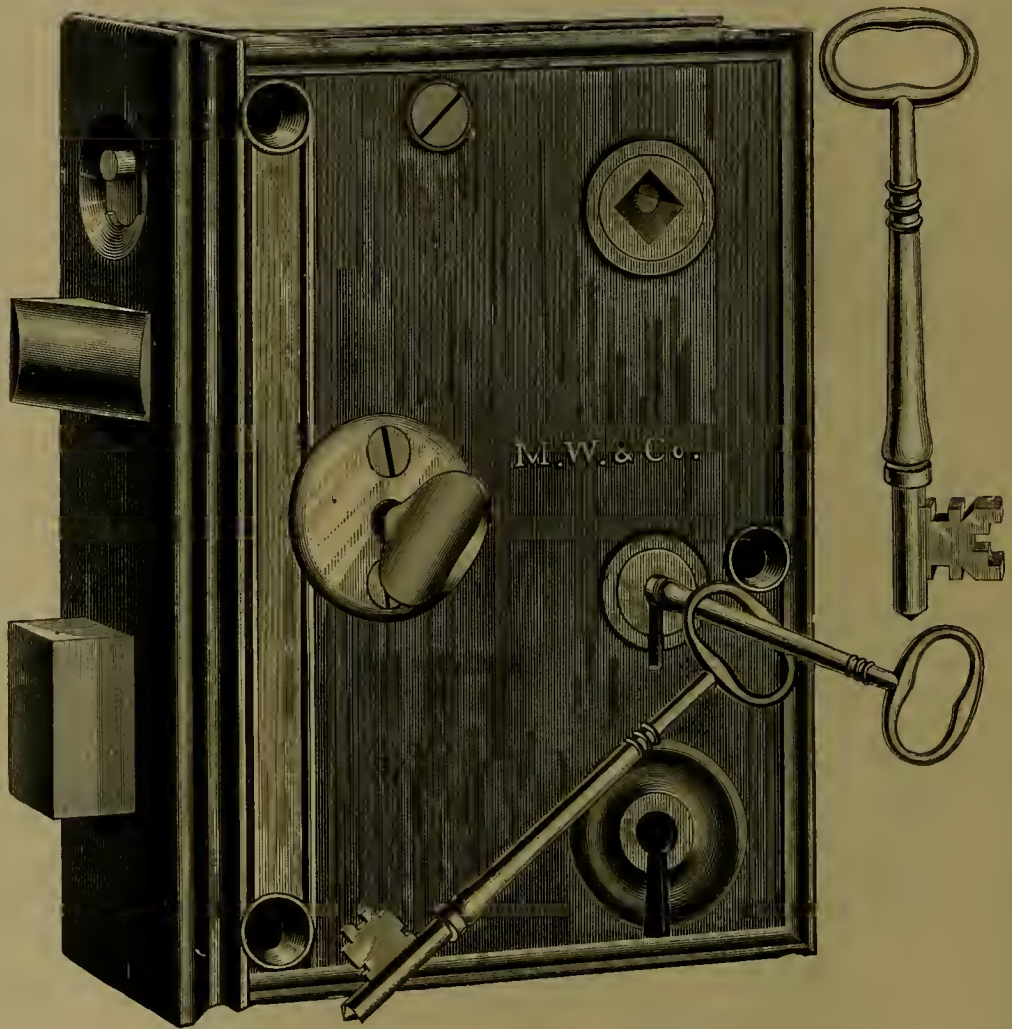
Horizontal Rim Knob Latches.



No. 204.

No. 204, 4 × 2¾ in., Heavy Iron Bolt and Slide Bolt, per dozen,

Easy Spring Upright Rim Front Door Locks.



No. 1058.

6 INCH, 5-16 INCH HUB.

Reverse by pulling Latch Bolt forward and turning half round.

Straight Spindle, Thin Bit Key.

No. 1058, 6 x 4 1/4 in., Heavy Brass Bolts, Brass Turn Knob and Plates, Brass Keys,
3 Tumblers on Night Bolt, 50 changes with No. 442 Knobs, per dozen, \$

Packed with Screws. One-twelfth dozen in a box.

For Knobs see page 119.

Upright Rim Front Door Night Locks.



No. 555.

· 6 INCH. 5-16 INCH HUB.

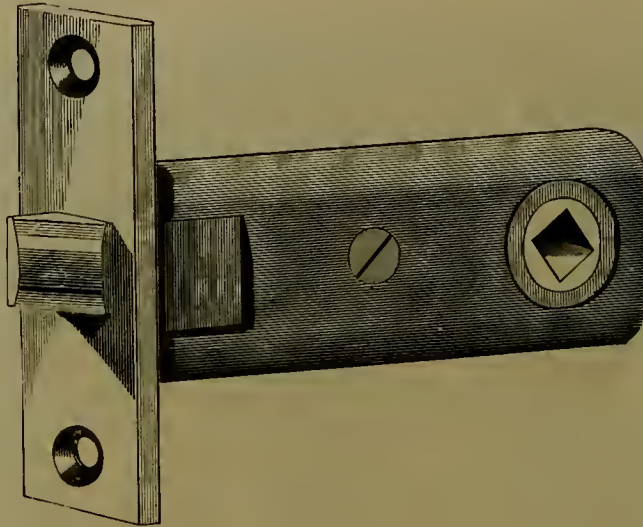
Reverse by pulling Latch Bolt forward and turning half round.

Thumb Bolt Attachment, Folding Keys, Straight Spindle.

No. 555, 6 x 4 in., Heavy Brass Bolts, Brass Thumb Knob and Plate, Brass Slide Knob,
2 Folding Keys, 3 Rack Tumblers, 50 changes with No. 442 Knobs, per dozen, \$

Packed with Screws. One-twelfth dozen in a box.

Mortise Knob Latches.



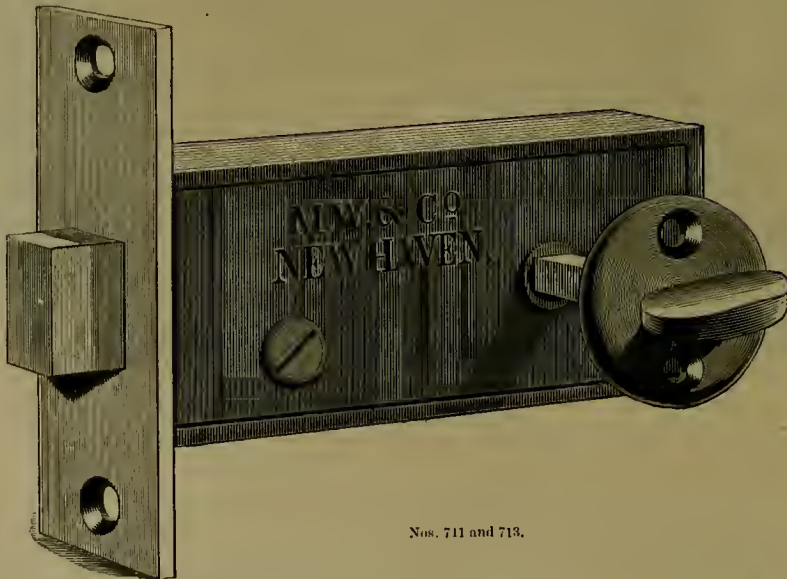
No. 0.

5-16 INCH HUB.

Round Edge.

No. 0, $1\frac{1}{4} \times 3\frac{3}{8}$ in., Lacquered Iron Front, Iron Bolt, Wrought Iron Striking Plate, per dozen, . 8

Patent Mortise Bolts.



Nos. 711 and 713.

No. 711, $1\frac{1}{2} \times 3\frac{1}{2}$ in., Lacquered Iron Front, Wrought Iron Striking Plate, Iron Bolt, Plated Thumb Knob and Plate, per dozen, . 8

No. 713, $1\frac{1}{2} \times 3\frac{1}{2}$ in., Brass Front, Striking Plate and Bolt, Plated Thumb Knob and Plate, per dozen, \$
Half dozen in a box.

Mortise Knob Locks.

3½ INCH.



Nos. 00579 to 0587½

- No. 00579, 3½ × 3¼ in., Lacquered Iron Front, Iron Bolts and Striking Plate, Iron Key with No. 236 Knobs, per dozen, \$
- No. 00579, 3½ × 3¼ in., Lacquered Iron Front, Iron Bolts and Striking Plate, Iron Key with No. 440 Knobs, per dozen,
- No. 0584, 3½ × 3¼ in., Brass Front and Striking Plate, Iron Bolts, Brass Key with No. 440 Knobs, per dozen,
- No. 0587½, 3½ × 3¼ in., Brass Front and Striking Plate, Brass Bolts, Nickel Key with No. 440 Knobs, per dozen,
- No. 2404, 3½ × 3¼ in., Lacquered Iron Front, Iron Striking Plate, Brass Bolts, Nickel Key with No. 440 Knobs, per dozen,
- No. 2406, 3½ × 3¼ in., Brass Front and Striking Plate, Iron Bolts, Nickel Key with No. 440 Knobs, per dozen,
- No. 2505, 3½ × 3¼ in., Brass Front and Striking Plate, Brass Bolts, Nickel Key, with No. 440 Knobs, per dozen,

One-quarter dozen in a box.

Locks with No. 440 Knobs are complete with Plated Plate Escutcheons.

Mortise Knob Locks.

4½ INCH.

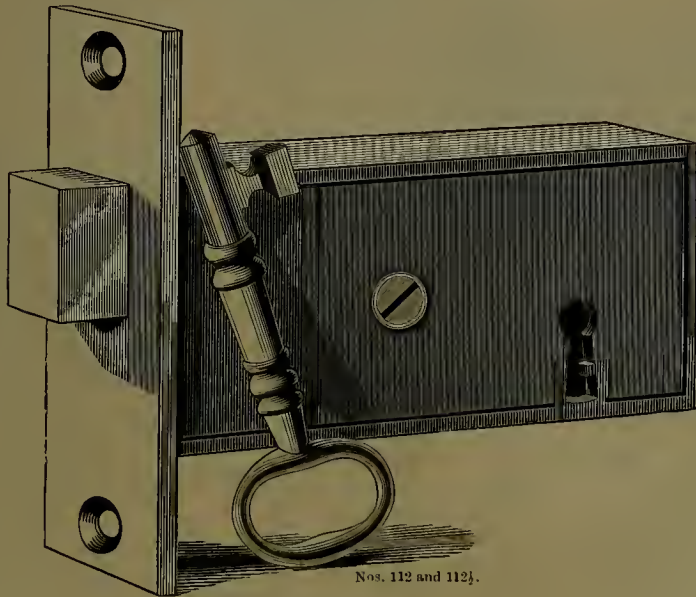


No. 2542. Easy Spring.

No. 2542, 4½ × 3½ in., Brass Front, Iron Bolts, Nickel Key, Plated Thumb Knob and Plate, and Plated Plate Escutcheons with No. 440 Knobs, per dozen, \$

Reversible Right or Left Hand.

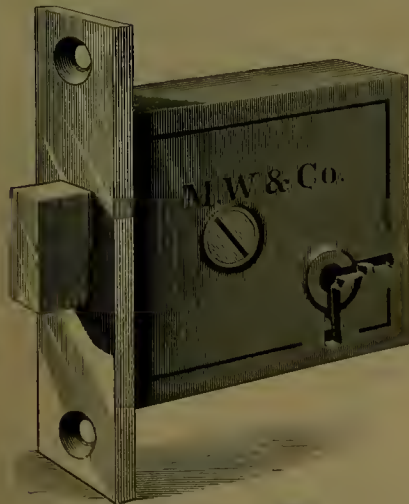
Mortise Dead Locks.



Nos. 112 and 112½.

Wrought Iron Inside Work.

- No. 112, 1½ × 3¼ in., Lacquered Iron Front, Wrought Iron Striking Plate, Iron Bolt, Tinned Malleable Iron Key, 1 Tumbler, per dozen, \$
- No. 112½. Same as No. 112 with Brass Key, per dozen,
- No. 110, 1½ × 3½ in., Brass Front and Striking Plate, Brass Bolt and Key, 1 Tumbler, per dozen,



Mortise Cupboard or Drawer Locks.

- No. 0111, 1½ × 2 in., Lacquered Iron Front, Wrought Iron Striking Plate Iron Bolt, Tinned Malleable Iron Key, 1 Tumbler, per dozen, \$
- No. 0111½. Same as No. 0111 with Brass Key, per doz.,
- No. 0111¾, 1¾ × 2 in., Brass Front and Striking Plate, Iron Bolt, Brass Key, 1 Tumbler, per dozen,

Packed with Japanned Plate Escutecheons No. 329½.

One dozen in a box.



Nos. 0111, 0111½ and 0111¾.

Sliding Door Locks.



No. 92.

No. 92, $5 \times 3\frac{1}{2}$ in., Heavy Brass Astrigal Front, Brass Bolts, Brass Striking Plate and Key, 3 Tumblers, 50 changes, with Double Knobs No. 440, per dozen, \$

No. 94, $4 \times 3\frac{1}{4}$ in., Plain Brass Front, Brass Bolt, Brass Striking Plate and Key with Knobs No. 440, per dozen,

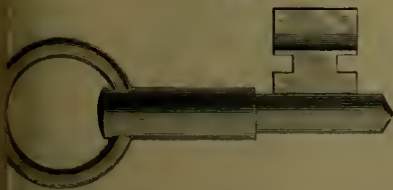
One-twelfth dozen in a box.

Sliding Door Lock.

For Doors Sliding in Flush
with the Wall.

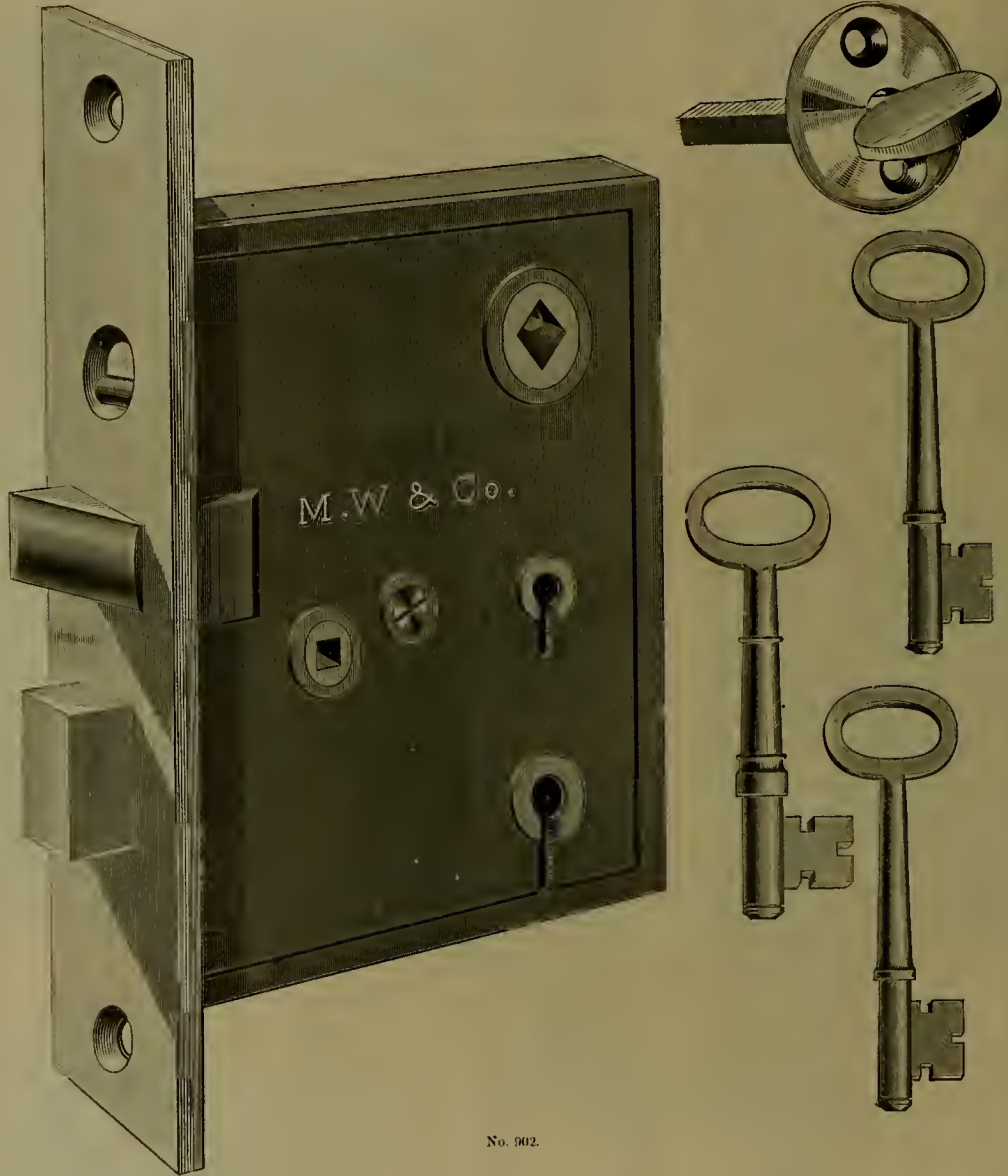


No. 095.



095, $5\frac{1}{2} \times 3\frac{1}{2}$ in., Double Lock Astrigal Front, Brass Fronts and Bolts, Thin Bit Nickel Key, Four Plated Flush Cup Escutcheons, Self-closing Drop covering Finger Hole, per set.

Easy Spring Mortise Front Door Locks.



No. 902.

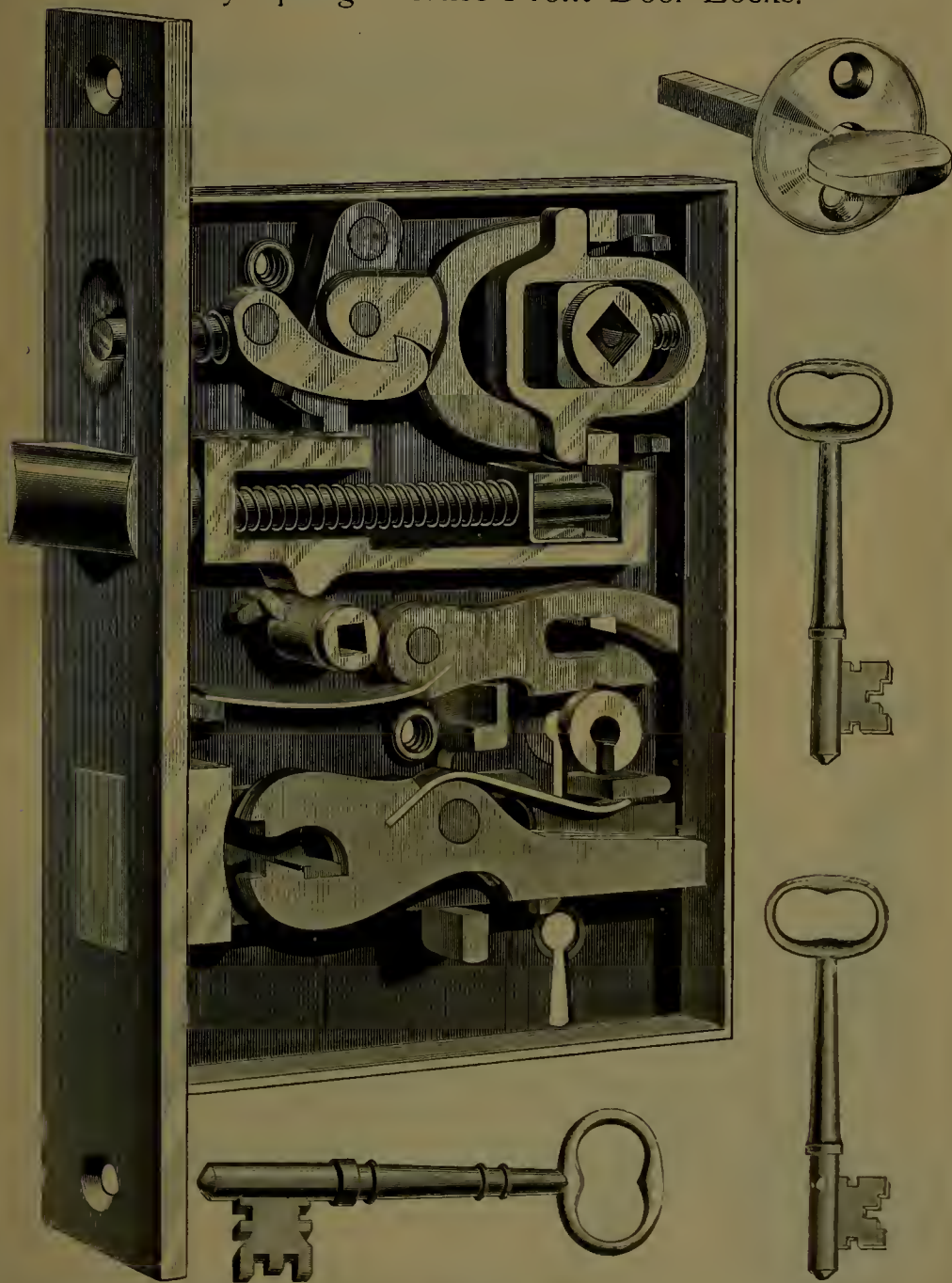
Reverse by pulling Latch Bolt forward and turning half round.

5-16 Inch Hub, with Thin Bit Key.

No. 902, 4 1/4 x 3 3/8 in., Brass Front, Bolts and Striking Plate, Plated Turn Knob and Plate, Nickel Key, 1
 Tumbler on both Bolts 2 small Nickel Night Keys, complete with Plated Escutcheons No. 374 and
 440 Knobs, per dozen, 8

One-twelfth dozen in a box.

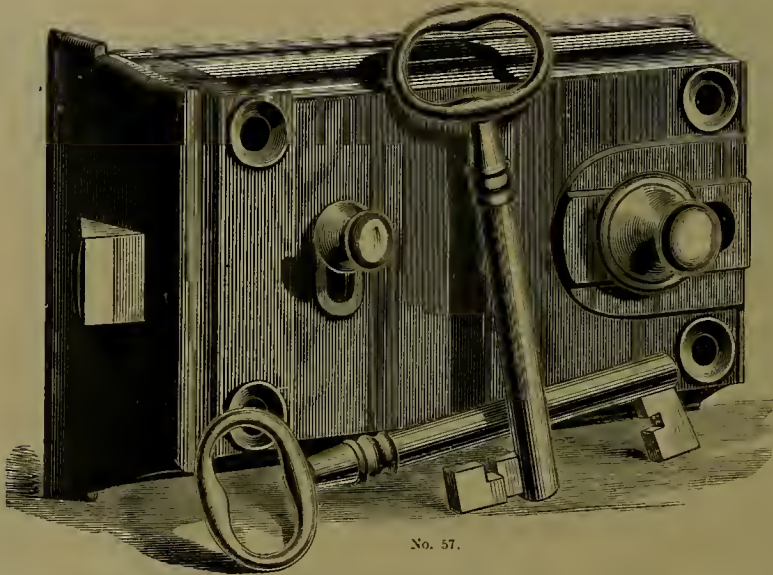
Easy Spring Mortise Front Door Locks.



No. 955 Reversible for Right or Left Hand.

No. 955, 5 1/2 x 4 1/4 in., Brass Front, Brass Bolts and Striking Plate, Plated Turn Knob and Plate, Thin Bit Brass Key, 1 Tumbler on Both Bolts, 2 Small Nickel Night Keys, 24 changes, complete with Escutcheons and No. 440 Knobs, per dozen.

Horizontal Rim Night Latches.



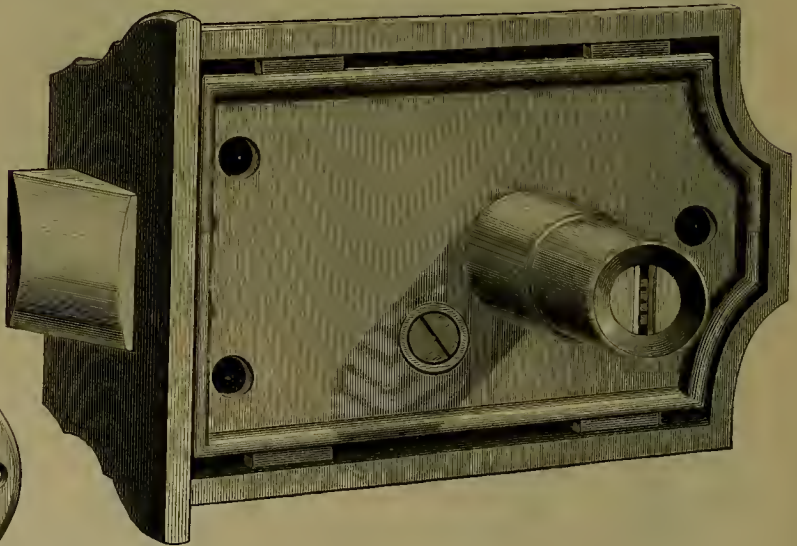
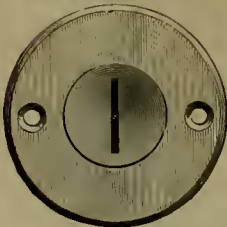
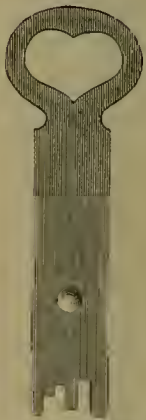
No. 57.

For either Right or Left Hand.

No. 57, $4 \times 2\frac{1}{2}$ in., Iron Bolt Slide Knobs, 2 Brass Keys, 1 Tumbler, per dozen,
Packed with Screws and Japanned Escutcheons.

S

Tubular Rim Night Latch.

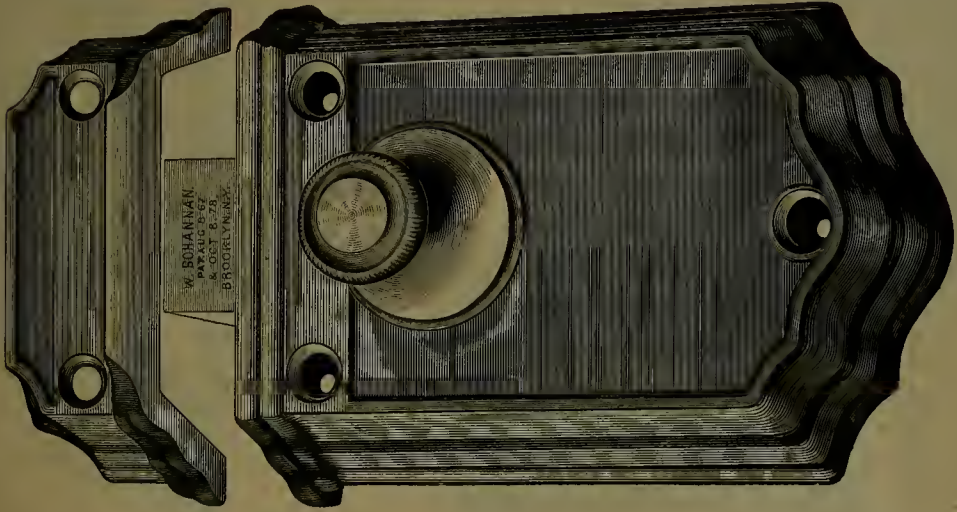


No. 109.

No. 109, Heavy Japanned Iron Case, Heavy Brass Bolt, Brass Slide and Stop Knobs, 4 Tumblers, 2 Flat
Steel Keys, Bronze Metal Swivel Escutcheon, per dozen,

S

Bohannon's Rim Night Latches.



No. 151.

No. 151, $4\frac{1}{2} \times 3\frac{1}{4}$ in., Extra Heavy Brass Bolt, Draw Back Knob, which stops the Latch by turning, 4 Brass Tumblers, 2 Steel Keys, Ornamental Bronze Escutcheon with Revolving Key Guide, per dozen, . 8

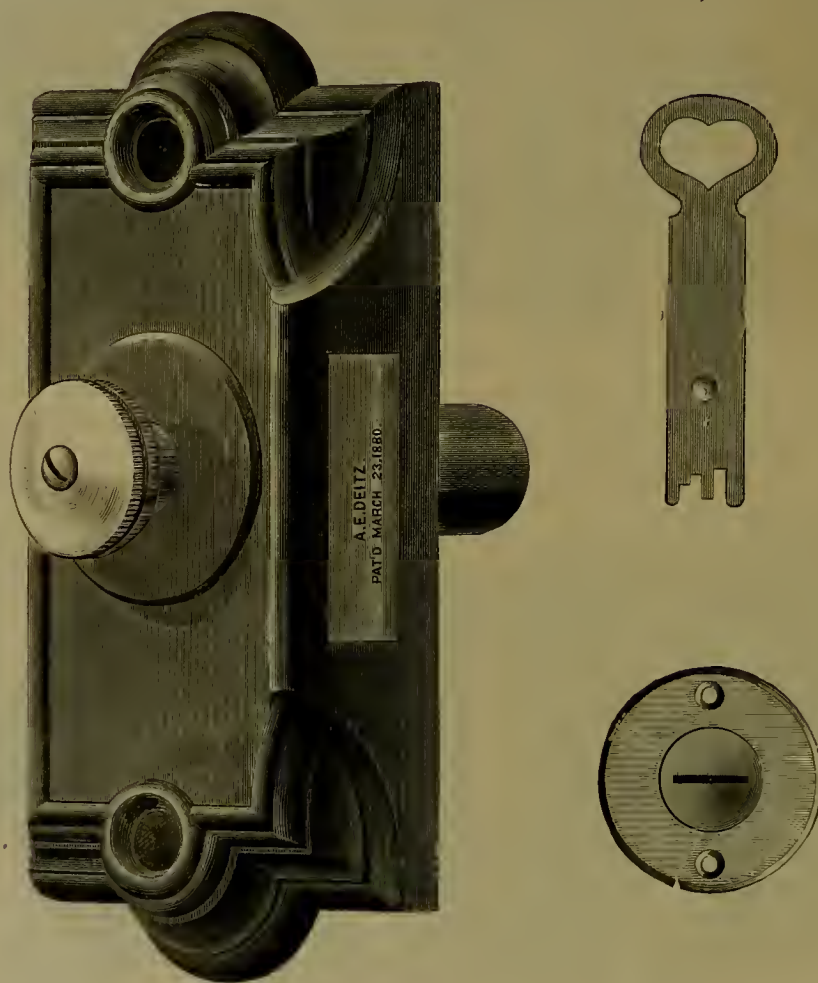


No. 154.

No. 154, 4×3 in., Iron Bolt, New and Artistic design, Draw-back Knob, which stops the Latch by turning, 2 Keys Nickel Plated, Ornamental Japanned Escutcheon, per dozen, . 8

A. E. Deitz's Tubular Store Door Dead Lock.

SWIVEL ESCUTCHEON.

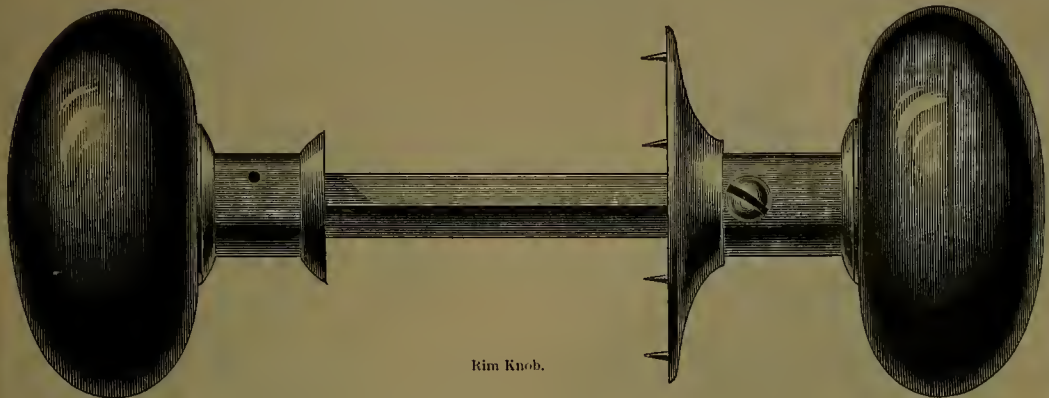
For Doors $1\frac{1}{2}$ to $2\frac{3}{8}$ inches thick.

No. 172, Heavy Japanned Iron Case, Heavy Brass Bolt, Brass Knobs, 4 Tumblers, 2

Flat Steel Keys, Bronze Metal Swivel Escutcheon, per dozen,

. 8

Door Knobs.



Rim Knob.

5-16 Inch Spindle.

No. 238,	2½ in.,	Mineral Knobs,	Japanned Mountings,	for Rim Locks,	per dozen,	. . . . . 8
No. 236,	2½ in.,	Porcelain	" " "	Mortise Locks,	per dozen,	. . . . . 8
No. 238,	2½ in.,	" " "	" " "	Rim	" " "	. . . . . 8
No. 238½,	2½ in.,	" " "	" " "	" " "	" " "	. . . . . 8
No. 440,	2½ in.,	Porcelain Knobs,	Plated Mountings,	for Mortise	" " "	. . . . . 8
No. 442,	2½ in.,	" " "	" " "	Rim	" " "	. . . . . 8

Half dozen in a package.

Store Door Crank Handle Knobs.

5-16 Inch Spindle, 2½ Inch Knob.

No. 260,	Mortise,	Mineral Knobs,	Japanned Crank with Small Mineral Knob for outside,	per dozen,	. . . . . 8
No. 260½,	Rim,	" " "	" " "	" " "	. . . . . 8
No. 261½,	Mortise,	Pearl White Knob,	Japanned Crank with Small Pearl White Knob for outside,	per dozen,	. . . . . 8
No. 261¾,	Rim,	" " "	" " "	" " "	. . . . . 8
No. 262,	Mortise,	Pearl White Knob,	Electro-plated Crank and Small Knob for outside,	per dozen,	. . . . . 8
No. 262½,	Rim,	" " "	" " "	" " "	. . . . . 8

Door Keys.

BE PARTICULAR TO SPECIFY CUT KEYS, OR BLANKS, AS WANTED.

Tinned Malleable Iron Door Keys.

Class Number of Key, 365.	Number of Locks, 001, 0021½,	per dozen, 8
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Nickel Door Keys.

Class Number of Key, 400.	Number of Locks, 998, 2404, 2406, 2505,	per dozen, 8
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Folding Store Door Keys.

Class Number of Key, 700.	Number of Locks, 416, 416½,	per dozen, 8
" " 735.	" 500, 501, 503, 505,	per dozen,	. . . . . 8

Brass Keys.

Class Number of Key, 30.	Number of Locks, 995, 998, 2505,	per dozen,	. . . . . 8
" " 45.	" 0584, 0587,	per dozen,	. . . . . 8
" " 170.	" 0215½,	per dozen,	. . . . . 8
" " 175.	" 215½, 217, 217½,	per dozen,	. . . . . 8
" " 195.	" 1058,	per dozen,	. . . . . 8
" " 265.	" 601,	per dozen,	. . . . . 8

Flat Steel Keys.

Class Number of Key, 105.	Number of Locks, 105,	per dozen,	. . . . . 8
" " 107.	" 107,	per dozen,	. . . . . 8

MALLORY, WHEELER & CO'S
Wrought Iron Tumbler Padlocks.



No. 5-0, Self-locking.



No. 4-0.



No. 3-0.



No. 2-0.

	1 Key.	2 Keys.
No. 5-0, 2 in., Fancy Key, Spring Shackle, Self-locking, 4 kinds to the dozen, per dozen	\$ 1 05	\$ 1 18
No. 4-0, 2 in., 1 Wheel Ward, Fancy Key, 4 kinds to the dozen, per dozen,	1 00	1 13
No. 3-0, 2½ in., " per dozen,	1 50	1 73
No. 2-0, 2½ in., Brass Drop, 1 Wheel Ward, per dozen,	1 70	1 93

One dozen in a box.



No. 4.



No. 5.



No. 6.



No. 7.

			1 Key	2 Keys
No. 4, 2½ in.,	Brass Drop and Bushing,	1 Wheel and Side Ward, 6 kinds to the dozen, per dozen.	\$ 2 90	\$ 3 30
No. 5, 2½ in.,	" "	" " " 12 kinds to the dozen, per dozen,	3 05	3 61
No. 6, 2½ in.,	" "	" " " 12 kinds to the dozen, per dozen,	3 75	4 31
No. 7, 2½ in.,	" "	" 2 Wheel, Side and Bridge Wards, 12 kinds to the dozen, per doz.	4 00	4 56

No. 4, one dozen in a box ; other numbers, half dozen.

MALLORY, WHEELER & CO'S
Flat Steel Key Wrought Iron Tumbler Padlocks.



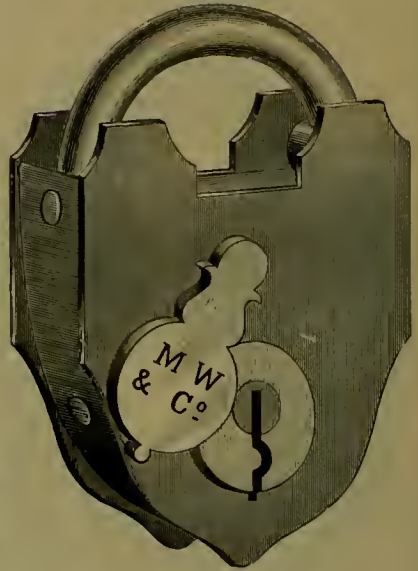
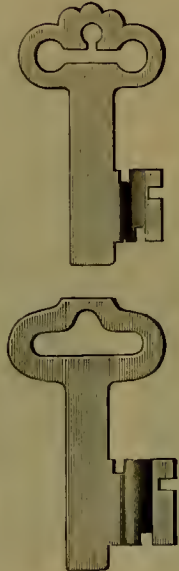
No. 1027, Self-locking.



No. 1028, Self-locking.



No. 1029.



No. 1030.

	1 Key.	2 Keys.
No. 1027, 2½ in., Brass Bushing, 4 Wards, Flat Self-locking Shackle, 12 changes, per dozen,	\$ 3 00	\$ 3 63
No. 1028, 2½ in., Patent Secret Lock, Brass Drop and Bushing, 4 Wards, Flat Self-locking Shackle, 12 changes, per dozen,	4 00	4 63
No. 1029, 2¼ in., Brass Drop and Bushing, Revolving Key Pin, per dozen,	3 25	3 88
No. 1030, 2½ in., " " " " per dozen,	4 00	4 63

Half dozen in a box.

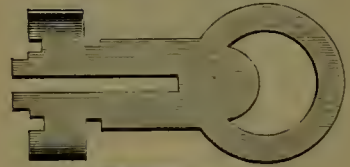
To lock or unlock No. 1028, the Drop must stand perpendicularly over the upper Key-hole, as shown in cut.



No. 1015.



No. 1016.



No. 1031.



No. 1034. No. 1033, without Drop.

For description and price, see page 120.



No. 1048, Self-locking.



No. 1010.



No. 1035, Two Tumblers.



No. 1047, Self-locking.

For description and price, see page 129.

Padlocks.—*Continued.*

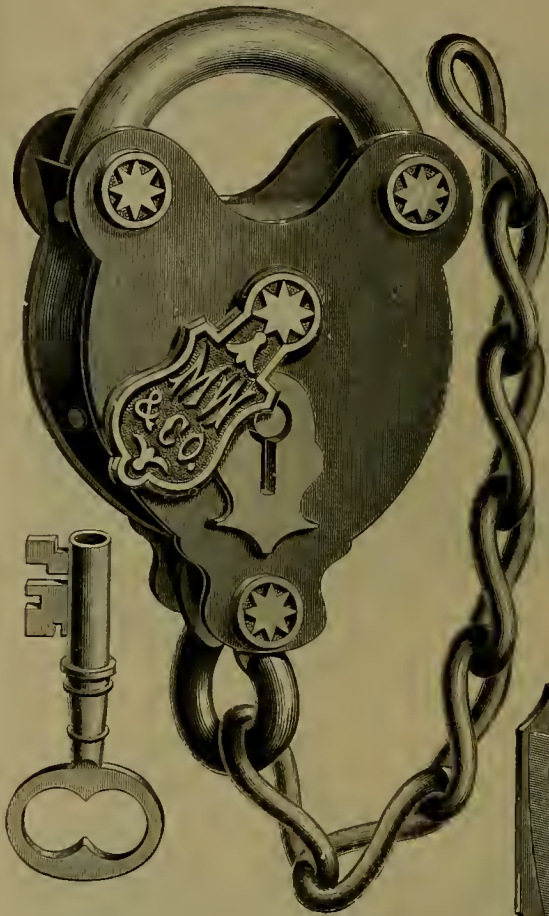


No. 1046, Self-locking.



No. 1004.

For description and price, see page 129.



No. 1014, Self-locking, Two Tumblers.



No. 1032.

For description and price, see page 129.

Prices of Padlocks.

No.	Size.		1 Key. Per doz.	2 Keys. Per doz.
1004,	2½ in.,	Brass Bushed, 3 Solid Brass Wheels, Bridge Ward, Brass Key,	\$ 4 50	\$ 5 50
1010,	2½ "	Brass Drop and Bushing, 3 Solid Brass Wheels,	4 50	5 17
1014,	2½ "	Fancy Engraved Drop and Rivets, Brass Bushing,		
		2 Tumblers and Bridge Ward, Self-locking, 12 changes,	8 00	8 75
1015,	2½ "	Fancy Engraved Drop, Brass Bushing, Side Ward, Solid Brass Wh'l,	3 50	4 17
1016,	2¾ "	" " and Bushing Secret Key Hole, " "	6 00	6 67
1031,	2½ "	" " Br's Bushed, Heavy Shackle, Revolving Key Pin,	4 25	4 88
1032,	2½ "	" " " " " "	5 50	6 13
1033,	2½ "	Brass Bushed, Double Chamber Revolving Key Pin,	5 00	5 75
1034,	2½ "	Same as 1033 with Fancy Engraved Drop,	5 50	6 25
1035,	2¼ "	Brass Drop and Bushing, 2 Tumblers, 4 Bridge Wards, Revolving Key Pin, 36 changes,	7 00	7 63
1046,	2½ "	Brass Bushed, Fancy Engraved Drop, Double Chamber, Revolving Key Pin, Self-locking, Spring Shackle,	6 75	7 50
1047,	2½ "	Brass Drop and Bushing, Brass Wheel and Bridge Wards, Re- volving Key Tube, Self-locking, Spring Shackle,	5 00	5 75
1048,	2½ "	Brass Drop, 1 Wheel Ward, Self-locking, "	2 75	2 98

Half dozen in a box.

See illustrations on preceding pages.

Padlock Keys.

Malleable Iron.

Numbers,	5-0 to 4,	5-0 to 6,	5-0 to 8,	5-0 to 80,	1000 to 1026.
Per gross,	\$ 3 25	3 75	4 15	4 80	8 60

Assorted, half gross in a box.

Flat Steel.

Nos. 1027, 1028,	per gross,	\$ 7 50
" 1029, 1030, 1031, 1032,	per gross,	7 50
" 1033, 1034, 1040,	per gross,	9 00
" 1035, 1036, 1038, 1039, 1041, 1043,	per gross,	7 50
" 1037,	per gross,	5 00
" 1027 to 1043,	assorted in half gross boxes, per gross,	7 40

MALLORY, WHEELER & CO'S
Small Padlocks.

AMERICAN PATTERN.



No. 38, Brass.
No. 48, Nickel



No. 39, Brass.
No. 49, Nickel.



No. 40, Brass.
No. 51, Nickel.



No. 41, Brass.
No. 52, Nickel.



No. 42, Brass.
No. 53, Nickel.



No. 43, Brass.
No. 54, Nickel.



No. 44, Brass.
No. 55, Nickel.

Brass.

Nos.	Size.		Per Doz.	Nos.	Size.		Per Doz.
38	7/8 Inch.	Cylindrical Key,	\$2 25	42	1 Inch.	As per cut.	\$2 50
39	1 1/8 "	" " "	2 75	43	1 1/8 "	" " "	2 75
40	1 1/2 "	As per cut,	2 25	44	1 1/4 "	As per cut, Self-closing Key Hole,	3 00
41	2 "	" " "	2 25	45	1 1/2 "	Style of No. 44, " " "	3 25

Nickel Plated.

48	3/4 Inch.	Cylindrical Key,	\$3 50	53	1 Inch.	As per cut,	\$3 75
49	1 1/8 "	" " "	4 25	54	1 1/8 "	" " "	4 25
51	5/8 "	As per cut,	3 50	55	1 1/4 "	As per cut, Self-Closing Key Hole,	4 50
52	3/4 "	" " "	3 50	56	1 1/4 "	Style of No. 55, " " "	4 75

Nos. 38, 40 and 41, two dozen in a box; all other numbers, one dozen.

YALE LOCK MANUFACTURING CO'S
"Standard" Bronze Padlocks.

Finished Bronze.



	Per doz.
No. 813, 1 in., 3 Brass Tumblers,	\$ 10 00
No. 823, 1½ in., 3 " "	12 00
No. 833, 1½ in., 3 " "	13 80
No. 843, 1¾ in., 4 " "	15 60
No. 853, 2 in., 4 " "	17 40
No. 863, 2¼ in., 4 " "	19 20



Two Flat Steel Keys with each Lock.

Flat Key Spring Padlocks.



Miller's No. 1 and 20.



Deitz No. 252.

No. 213, 2¼ in., 4 Tumblers, 2 Flat Steel Keys, per dozen,	\$ 12 00
No. 252, 2¼ in., 3 " 2 " " " "	13 50
No. 265, 2¼ in., 4 " 2 Flat German Silver, Keys,	
per dozen,	16 80
Miller's No. 1, 6 Tumblers, Brass, per dozen,	12 00
" No. 20, 6 " Nickel Plated, per dozen,	16 00

Scandinavian Padlocks.

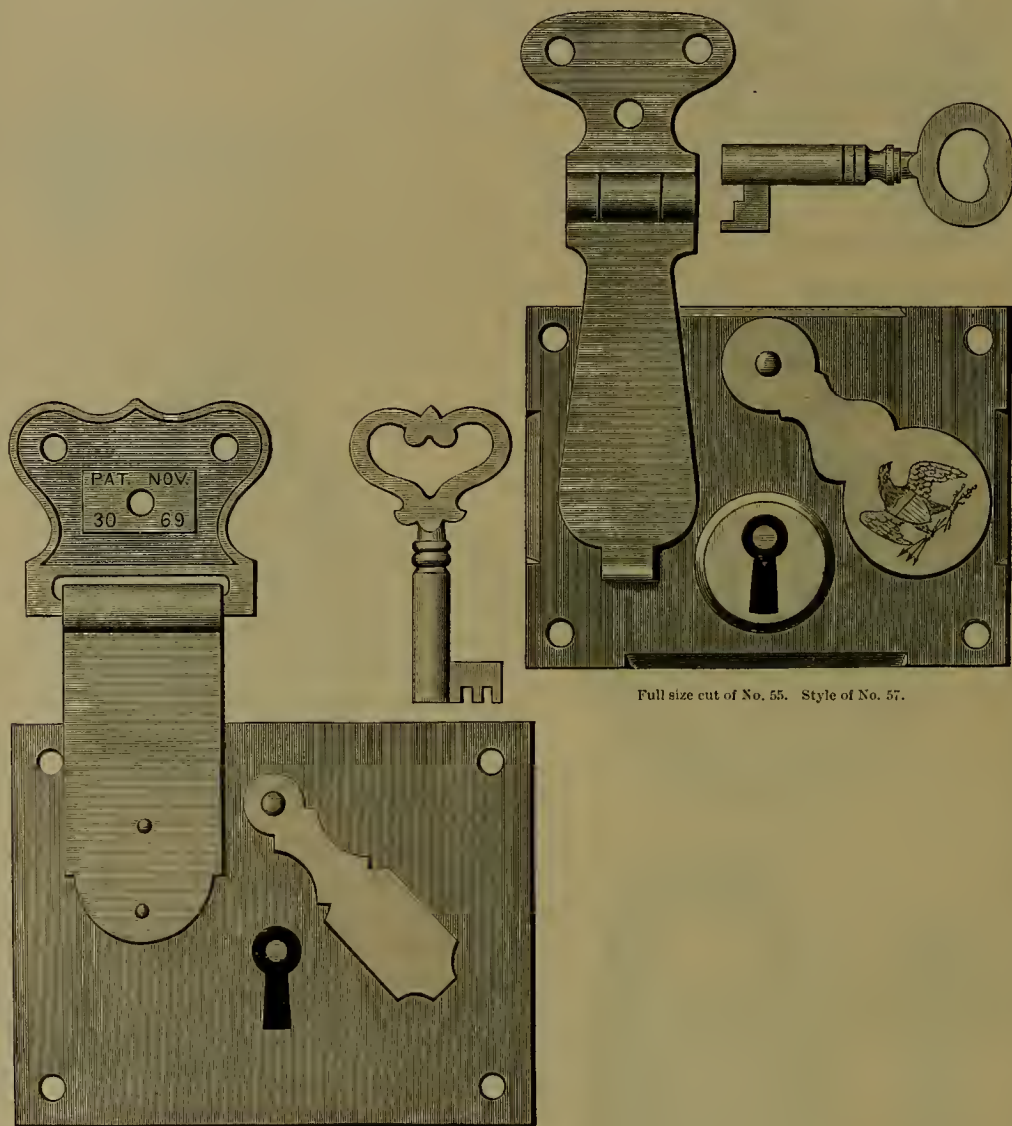
Malleable Iron, Two Keys.



Nos.	108	110	112	114
Weight per dozen, lbs.,	10	13	19	30
Per dozen,	\$ 11 00	13 00	16 00	24 00

Half dozen in a box.

Eagle Trunk Locks.

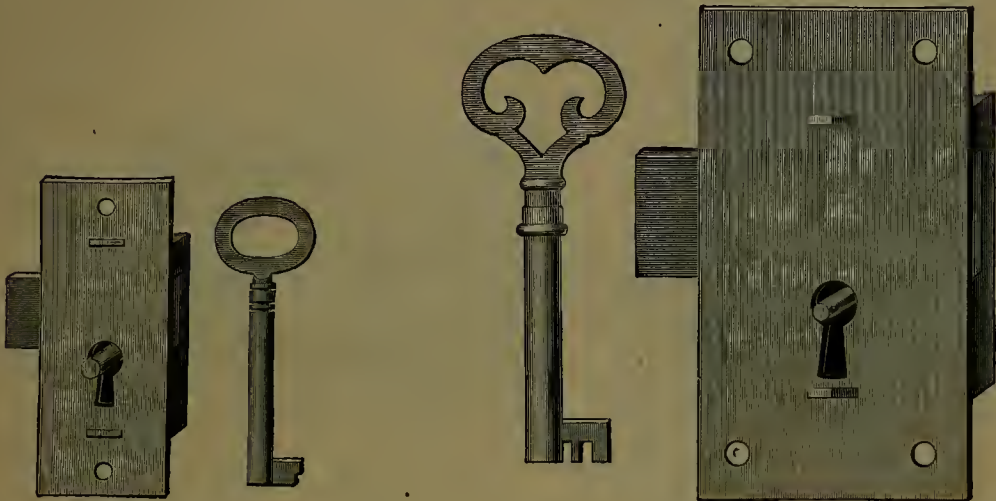


Full size cut of No. 55. Style of No. 57.

Full size cut of No. 15. Style of Nos. 17, 25 and 27.

No. 15, 3½ in., Iron, Brass Bush and Drop, 1 Ward, fancy, per dozen,	\$ 1 20
No. 17, 3½ in., “ “ Drop, per dozen,	1 05
No. 25, 3½ in., “ “ Drop and Bush, 1 Ward, fancy, Malleable Hasp, per dozen,	1 50
No. 27, 3½ in., “ “ “ “ “ “ “ “ “ “ “ “ “ “ “ “	1 50
No. 55, 3 in., “ Solid Brass Drop and Bushing, Solid Wards, per dozen,	3 50
No. 57, 2½ in., “ “ “ “ “ “ “ “ “ “ “ “ “ “ “ “	3 00
No. 67, 4 in., Brass, Tumbler, Solid Cast Stop Hasp, Brass Bush, Polished Plate and Hasp, per dozen,	7 00

Eagle Wardrobe Locks.



Full size cut of No. 508.

Full size cut of No. 510.

No. 173, 4 in.,	Iron, 1 Ward, Broad Bolt, shoots right and left, per dozen,	\$ 2 50
No. 417, 2½ in.,	“ 1 Tumbler, Double Handed Bolt, per dozen,	1 60
No. 420, 3½ in.,	Brass Tumbler, “ “ Fancy Bow Iron Keys, per dozen,	3 00
No. 504, 3½ in.,	“ “ “ “ “ “ “ “ “ “	3 00
No. 508, 1½ in.,	Brass Solid Box, “ “ Fine Flat Bow Key, “	2 00
No. 509, 1½ in.,	Iron “ “ “ “ “ “ “ “	1 50
No. 510, 3 in.,	“ Unpolished Box, “ “ Fancy Key, per dozen,	1 00

Brass Cylinder Drawer or Cupboard Locks.



No. 51 and 53.



No. 87.

Two Flat Steel Keys.

No. 51, 2 x 1½ in.,	Iron Cap, Nickel Plated, 3 Tumblers, per dozen,	\$ 7 20
No. 53, 2 x 1½ in.,	All Brass, 3 Tumblers, per dozen,	7 70
No. 87, 2¼ x 1½ in.,	Cast Brass, per dozen,	9 60

Eagle Chest Locks.



Full size cut of No. 175. Style of No. 9.

No. 9,	4	inch,	Iron,	Double	Catch	and	Link,	Double	Bitted	Keys,	Self-locking,	Brass	Escutcheons,	per	dozen,	\$ 6 00	
No. 160,	3	"	"	"	Link,	Warded,	Assorted	Keys,	per	dozen,						2 37	
No. 163,	2 $\frac{3}{4}$	"	"	"	"	"	"	"	"	"	"	"	"			2 25	
No. 164,	2 $\frac{1}{2}$	"	Brass,	"	"	"	"	"	"	"	"	"	"			2 62	
No. 166,	2 $\frac{1}{2}$	"	Iron,	"	"	"	"	"	"	"	"	"	"			2 12	
No. 170,	2 $\frac{1}{2}$	"	"	"	"	"	1	Ward,	"	"	"	"	"			2 50	
No. 175,	4	"	"	Self-locking,	Double	Link	and	Catch,	Fancy	Double	Bitted	Key,	Brass	Escutch'ns,	per	doz.	8 00
No. 292,	3	"	Brass,	2	Tumblers,	Square	Selvedge,	per	dozen,							12 75	
No. 408,	3 $\frac{1}{2}$	"	Iron,	Double	Link,	2	secure	Lever's,	Fine	Flat	Bow	Keys,	per	dozen,		4 50	
No. 410,	3	"	"	"	"	2	"	"	"	"	"	"	"			4 00	
No. 411,	3	"	Brass,	"	"	2	"	"	"	"	"	"	"			4 50	
No. 462,	2 $\frac{3}{4}$	"	"	"	"	2	"	"	per	dozen,						4 25	
No. 465,	2 $\frac{1}{4}$	"	"	"	"	2	"	"	"	"	"	"	"			3 87	

CLASSIFICATION LIST

OF

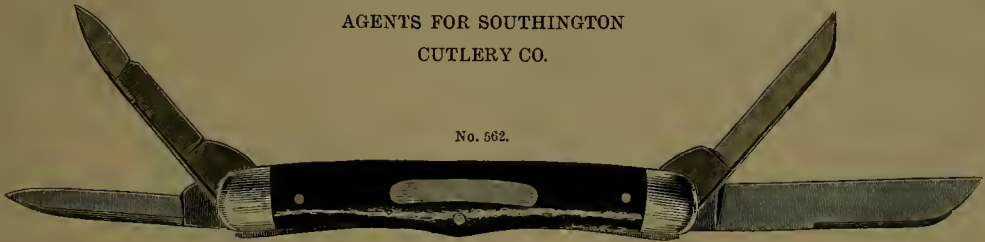
Eagle and Gaylord Cabinet Locks.

Eagle numbers in numerical order and Gaylord numbers of corresponding Locks opposite.

Eagle.	Gaylord.	Eagle.	Gaylord.	Eagle.	Gaylord.	Eagle.	Gaylord.	Eagle.	Gaylord.	Eagle.	Gaylord.	Eagle.	Gaylord.
2		67	174	137	122	204		268	97	365	151	500	87½
3		68	187	138	198	205		269	35	368	151½	501	126
4	8	69		139	69	206	105	270	108	369	152½	502	109
5	170	70		141	50	207		271	101	370		503	110
6		71	196	142	42	208		272	102	371		504	84
9	11	72	188	143	100	209		273	103	372		505	85
10	17	75	54	144	117	210	260	274	108½	374		506	93
11	41	76	96	145		211	262	275	156	381		507	94
12	166	77	95	146	77	213		276	157	382		508	98
13		78		147	81	214		277		384		509	
013	141½	79	160	148	89	215		278	253	385		510	369
14		80	176	149	76	216		279	252	391		1001 A	200¼
014	140½	81	178	150	80	217		280	127	392		1001 B	200½
15	139	82		151	88	218		281	128	393		1001 C	201
015	160	83	39	154		219		282	129	394		1001 D	202
16	165	84		155	45	220		284	236	395		1001 E	203
016	160½	85		156	78	0220	135	285	237	396		1001 F	204
17	171	86	22	157	82	0221	136	286	238	397		1001 G	205
18	172	87		158	90	0222	137	287	239	398		1001 H	206
20	21	88		159	5	0224	145	288	240	400		1001 I	207
21		89	190	160	46	0225	146	289	241	401		1001 K	208
22	111	90		161	224	0226		290	18	402		1001 L	209
23	181	91	10	162	167	0228	148	291	19	403		1001 M	210
25	179	92	36	163	53	0229	149	292	20	404		1001 N	
26	182	93	38	164	56	230		293	320	405		1001 O	
27	180	94	267	165	52	232		294	321	406		1001 P	
28	23	95	55	166	57	233		295		407		1001 Q	
31	58	96	160½	167	62	234		296	270	408		1002 A	
32	121	97	193	168	44	235		297		409		1002 B	
33	197	98	186	169	27	237		298		410		1002 C	
34	67	99	150	170	28	238		299		411		1003 A	
35	66	100		171	29	240	219	300		413		1003 B	
36	195	103	49	172	30	241	360	301		414		1003 C	
37	64	105	61	173	79	242	361	302		415		1010	
38	33	106	107	174	83	245		303		416		1012	
39	31	107	106	175	6	246		307		417		1013	
40	189	108		176	154	247		308		418		1014	
42	75	109		177	155	248		309		419		1015 A	
43	71	110	16	178	34	249		310		420		1015 B	
44	113	111	9	179		250	1	311		421		1015 C	
45	68	112		180	223	251	2	312		422		1015 D	
46	199	113	7	181		252	3	313		423		1015 E	
47		114		182	37	253	4	320		425		1015 F	
48	169	116	114	183		254	12	321		426		1015 G	
49	162	117	118	185	220	255	13	322		427		1015 H	
50	40	121		186	221	256	14	330		428		1015 I	
52	161	122	153	187	222	257	15	331		429		1015 K	
55	72	123	138	189	35½	258	24	332		431		1015 L	
56	124	126	63	191		259	25	333		432		1015 M	
57	125	127	140	192		260	130	340		433		0220	135
58	123	128	141	193		261	131	341		434		0221	136
60	191	129		195		262	132	342		435		0222	137
62	115	130	152	197		263	133	343		436		0224	145
63		131		198		264		350	438	439		0225	146
64	65	133	59	199		265	142	351	436	440		0226	
65	48	134	32	202		266	143	360	245	441		0228	148
66	173	135	200	203	301	267		362		442		0229	149

American Pocket Cutlery.

AGENTS FOR SOUTHWINGTON
CUTLERY CO.



No. 562.

Their Knives are Equal in Quality and Finish to any English Knives, and are cheaper.

Per Dozen.

No.	Description	Per Dozen.
1,	One Blade, Brass Handle,	\$ 2 60
4,	" " " "	3 60
5,	Two Blades, " "	5 70
9,	" " " "	6 80
10,	One Blade, Cocoa " "	3 00
16,	" " " "	5 75
26,	" " " "	4 00
27,	" " Ebony " "	4 20
41,	" " White Bone Handle,	3 30
42,	Two Blades, Cocoa " "	4 70
43,	Three " Ebony " Two Bolster,	19 00
44,	" " White Bone " " "	19 00
49,	Two " Ivory " " "	8 50
51,	" " Shell " " "	11 00
61,	Four " " " " "	21 60
63,	Two " White Bone " " "	8 75
67,	Three " " " " "	13 00
69,	" " Shell " " "	18 60
72,	Four " Ebony " " "	14 00
73,	" " Shell " " "	17 00
81,	Two " " " " "	17 00
88,	Three " " " " "	24 00
95,	" " White Bone " " "	17 50
96,	Four " " " " "	20 00
98,	Two " Shell " " "	16 00
112,	" " Bone " " "	8 50
115,	One Blade, Cocoa " "	2 60
117,	" " " " Pruning,	6 90
119,	" " White Bone " "	2 60
120,	" " Pearl " "	4 20
131,	Four Blades, " Shell " Two Bolster,	25 20
148,	One Blade, Ivory " Fruit Knife, Plated Blade,	11 50
162,	Two Blades, Cocoa " Bolster,	7 50
169,	" " " " " "	5 70
178,	" " Bone " " "	7 30
205,	" " " " " "	9 00
210,	One Blade, Cocoa " "	4 20
211,	Two Blades, Ebony " "	8 00
212,	" " Bone " "	8 50
215,	" " Ebony " "	6 00
216,	" " " " " "	6 00

Discount, per cent.

American Pocket Cutlery.—*Continued.*

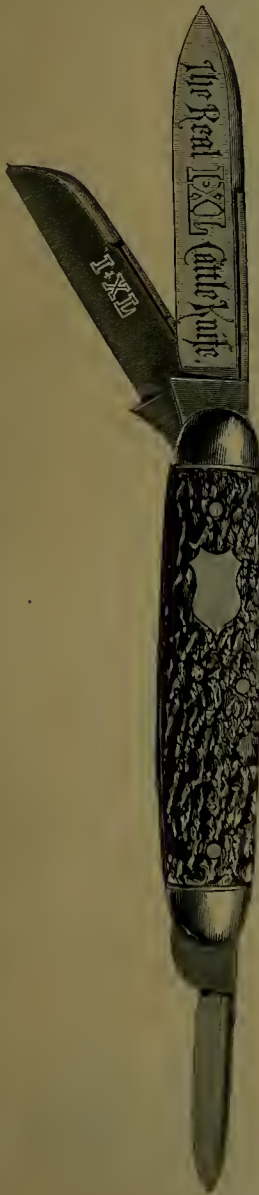
		Per Dozen.
No.	229, Three Blades, Ivory Handle,	\$ 13 50
"	235, Four " Shell " Tipped,	21 50
"	237, " " " " Two Bolster,	25 70
"	242, Three " " " " " "	21 00
"	243, Four " Pearl " Tipped,	25 70
"	280, Two " Cocoa " Bolster,	6 30
"	282, " " " " " "	8 00
"	286, " " " " " "	9 00
"	288, " " " " " "	6 60
"	289, " " Bone " " "	10 00
"	295, Three " Cocoa " Two Bolster,	12 60
"	296, " " Ebony " " "	12 60
"	297, " " Bone " " "	13 00
"	300, One Blade, Cocoa " Bolster,	5 20
"	320, Two Blades, " " " "	4 20
"	351, Four " Shell " " "	25 50
"	413, Two " Cocoa " Two Bolster,	8 00
"	441, Three " Stag " " "	15 70
"	445, Four " " " Tipped,	18 00
"	450, " " Shell " " "	25 20
"	451, " " Pearl " " "	24 00
"	452, Three " Shell " " "	24 50
"	460, " " Bone " " "	19 00
"	461, " " Shell " Bolster,	26 00
"	462, " " Pearl " " "	25 20
"	476, Four " " " Tipped,	25 00
"	477, " " Bone " " "	17 80
"	500, Two " Cocoa " " "	7 50
"	509, " " Ebony " " "	10 00
"	510, One Blade, Cocoa " Bolster, Plate on End,	10 50
"	537, Two Blades, White Bone Handle,	8 50
"	562, Four " Shell Handle,	21 00
"	565, " " Stag " " "	17 60
"	610, Three " " " " "	19 00
"	630, Two " " " " "	9 00
"	675, " " " " " "	8 80
"	755, One Blade, Cocoa " Sailors' Knife,	7 75
"	760, Two Blades, Stag " " "	10 00
"	1,042, " " Cocoa " " "	5 00
"	1,171, " " Ebony " " "	8 00
"	1,242, " " Cocoa " " "	5 50
"	1,413, " " " " Two Bolster,	7 00
"	1,530, " " Ebony " Bolster,	8 40
"	1,531, " " " " " "	8 40
"	1,750, One Blade, Iron " " "	2 60
"	1,751, Two Blades, " " " "	4 20
"	2,022, " " Ebony " " "	6 30
"	2,530, Three " Stag " Cattle Knife,	15 50
"	2,531, " " Ebony " " "	13 50
"	2,540, " " Stag " " "	21 00
"	7,225, Two " " " " "	14 80
"	2,985, Jockey Knife, " " " "	18 50

Discount,

per cent.

Wostenholm's IXL Pocket Cutlery.

Per Dozen.



No. 2,000,	Two Blades,	Cocoa Handle,	Iron Lined,	Bolster,	\$
" 2,001,	"	Ebony	"	"	"
" 2,002,	"	Bone	"	"	"
" 2,015,	Three	"	Brass	"	"
" 2,033,	Two	Cocoa	"	Two Bolster,	"
" 2,034,	"	Bone	Iron	"	"
" 6,058,	Three	Stag	Brass	"	"
" 6,059,	"	Bone	"	"	"
" 6,060,	"	Stag	"	"	"
" 6,084,	"	"	"	"	"
" 6,085,	"	"	"	"	"
" 6,748,	Four	Shell	"	"	"
" 7,054,	Two	Stag	Iron	Bolster,	"
" 7,102,	"	Bone	"	"	"
" 7,540,	Jockey Knife,	Stag	"	"	"
" 7,577,	"	"	"	"	"
" 7,990,	Two	Cocoa	Brass	"	"
" 8,018,	One Blade,	Iron	Iron	"	"
" 8,807,	Two Blades,	Metal	"	"	"
" 9,524,	"	Stag	"	"	"
" 11,117,	"	Bone	"	"	"
" 11,159,	"	Cocoa	Brass	"	"
" 11,383,	"	Horn	"	"	"
" 11,808,	"	Cocoa	Iron	"	"
" 11,933,	One Blade,	Iron	"	Pruning Knife, Bolster	"
" 11,984,	Two Blades,	Cocoa	"	Iron Lined, Bolster,	"
" 12,044,	"	Ebony	Brass	Two Bolster,	"
" 12,066,	"	Cocoa	Iron	Bolster,	"
" 12,127,	"	Bone	"	"	"
" 13,220,	"	"	Brass	"	"
" 13,761,	Three	Stag	"	Two Bolster,	"
" 13,799,	Two	Bone	"	Bolster,	"
" 13,810,	"	"	"	"	"
" 13,834,	"	Cocoa	"	"	"
" 14,076,	"	Stag	Iron	Speying Knife,	"
" 14,183,	Four	Stag	Brass	Two Bolster,	"
" 15,187,	Three	Pearl	"	"	"
" 15,596,	Two	Stag	"	Jockey Knife,	"
" 15,615,	Three	Ebony	"	Brass Lined, Two Bolster,	"
" 16,054,	"	Stag	"	"	"
" 16,145,	Two	Cocoa	"	Heavy Cattle Knife,	"
" 16,146,	"	Bone	"	Brass Lined, Bolster,	"
" 16,225,	Three	Ebony	"	"	Two Bolster,
" 16,228,	"	Stag	"	Cattle Knife,	"
" 16,229,	"	Stag	"	Brass Lined,	"
" 20,452,	"	Pearl	"	Cattle Knife,	"

Razors.



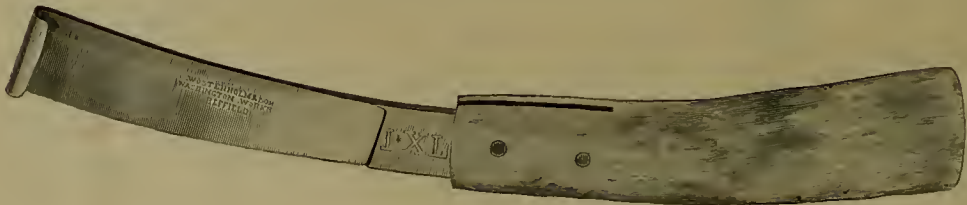
No. 2558, Hollow Ground, $\frac{5}{8}$ inch Blade, Ivory Handle, per dozen,	\$ 20 50
No. 2566, " " 1 " " Black " "	15 50
No. 2806, " " $\frac{5}{8}$ " " " " "	19 00
No. 2806, " " $\frac{5}{8}$ " " Ivory " "	20 50
No. 3023, " " $\frac{5}{8}$ " " Black " "	12 00
No. 585, Carolan, Cory & Co., "our very best" Black Handle Hollow Ground, $\frac{5}{8}$ and $\frac{3}{4}$ inch Blade, per dozen,	18 5

Putty Knives.



No. 1, Square Point, per dozen,	\$ 3 50
No. 2, Diamond Point, per dozen,	3 50

Farriers' Knives.



Geo. Wostenholm & Son's Farriers' Knives, per dozen,	\$ 8 00
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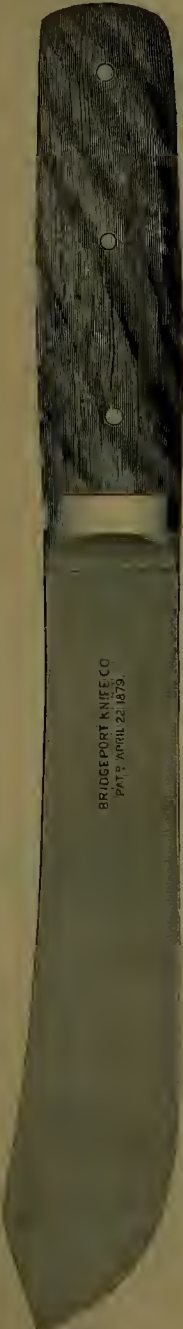
Butcher Knives.

NO BOLSTER BUTCHER.

Cocobolo Handle, Scale Tang.

No. 13152, inch,	5 1/2	6	6 1/2	7	8	10
Price per dozen,	\$ 3 00	3 50	4 00	4 25	4 50	5 50

SHELL BOLSTER BUTCHER.

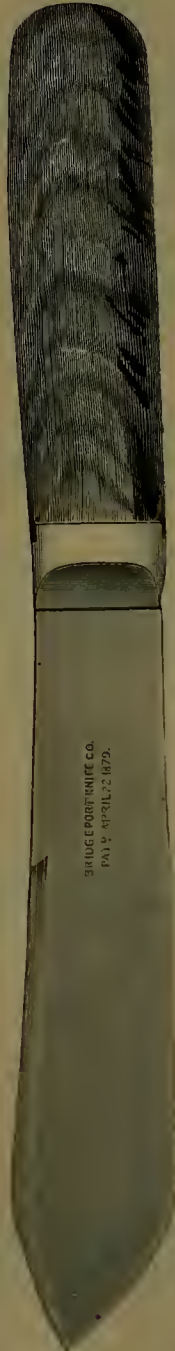


No. 13153.

Cocoa Handle, Scale Tang.

No. 13155, inch,	5 1/2	6	6 1/2	7	8	10	12
Price per dozen,	\$ 4 00	4 50	5 00	5 25	5 50	6 50	13 00

BOLSTER BUTCHER.

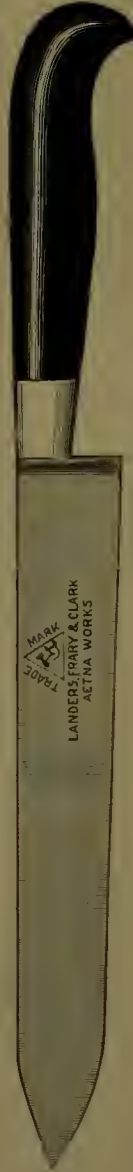


No. 6123.

Solid Cocoa Handle.

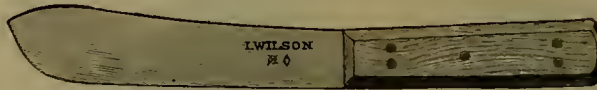
No. 6123, "Crown," inch,	5	5 1/2	6	6 1/2	7	8
Price per dozen,	\$ 6 75	7 50	8 00	8 50	9 00	10 00

French Cook Knives.

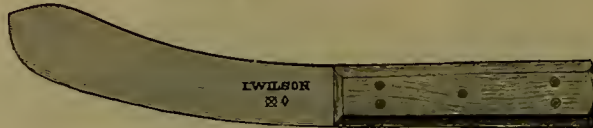


10 inch, per dozen,
12 " " "

John Wilson's Butchers' Knives.



Ordinary Pattern.



Skinning Knife.



Sticking Knife, Beechwood Handles.

Nos.	026	26	27	28	29	30	43	44
Inch,	4½	5	5½	5½	6	6½	7	8
	\$ 2 00	2 20	2 40	2 60	3 00	3 40	4 00	5 20
Nos.	45	46	47	48	49	86		
Inch,	9	10	11	12	13	14		
	\$ 6 40	8 00	9 60	11 20	13 20	16 80		

Ames' Shoe Knives.



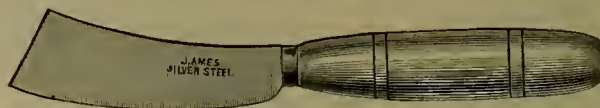
Cast Steel Shoe Knives, Black Handle.

SQUARE POINT.

ROUND POINT.

Nos.	1	2	3	4	Nos.	1	2	3	4
Per dozen, \$	1 50	1 50	1 50	1 75	Per dozen, \$	1 50	1 50	1 75	2 00

Crooked, Silver Steel, Ferruled Handle.



Half size cut.

Crooked, Silver Steel, Ferruled Handle, per dozen, \$

Table Cutlery.—Knives and Forks.

No. 900.

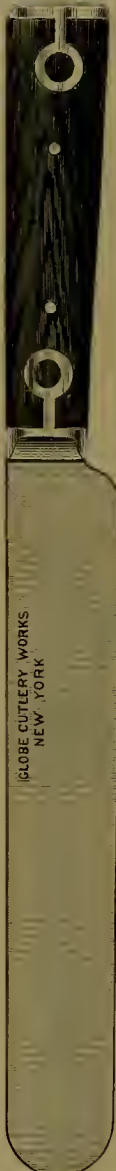
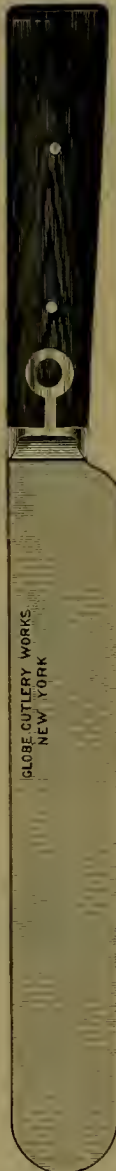
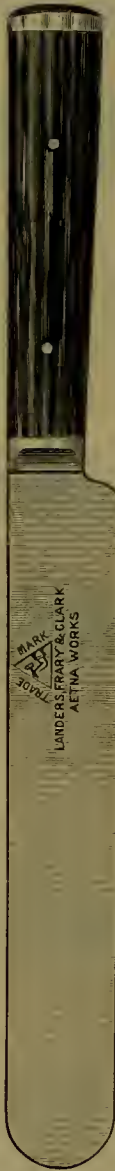
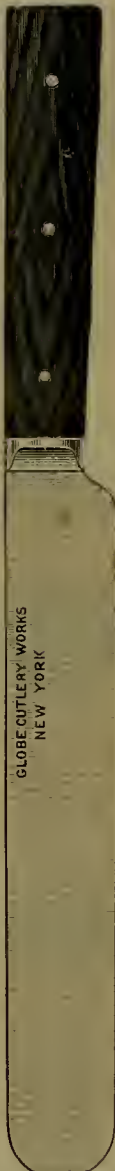
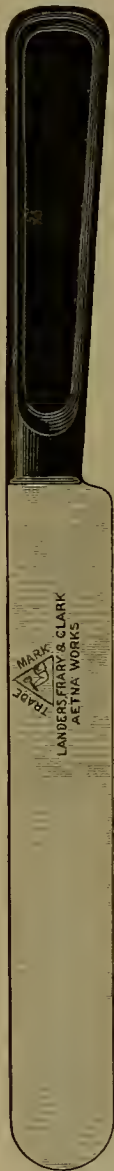
Nos. 2100 and 4100.

Nos. 21 and 41.

Nos. 2201, 3201 and 4201.

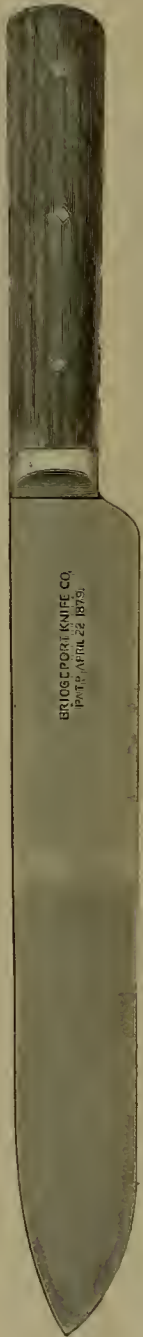
No. 210.

Nos. 2200, 3200 and 4200.

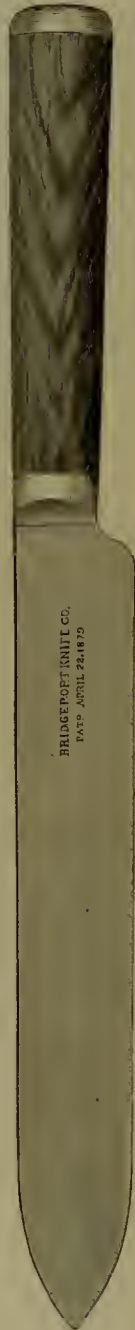


- No. 21, Steel Blade, Cocoa Handle, with Bolster, per gross,
 - No. 41, Steel Blade, White Bone Handle, with Bolster, per gross,
 - No. 210, Steel Blade, Cocoa Handle, Ring Bolster, per gross,
 - No. 900, Polished Blade, Iron Handle, per gross,
 - No. 2100, Steel Blade, Cocoa Handle, Bolster, per gross,
 - No. 2200, Steel Blade, Cocoa Handle, Ring Bolster and Cap, per gross,
 - No. 2201, Steel Blade, Cocoa Handle, Bolster and Cap, per gross,
 - No. 3200, Steel Blade, Ebony Handle, Ring Bolster and Cap, per gross,
 - No. 3201, Steel Blade, Ebony Handle, Bolster and Cap, per gross,
 - No. 4100, Steel Blade, White Bone Handle, Bolster, per gross,
 - No. 4200, Steel Blade, White Bone Handle, Ring Bolster and Cap, per gross,
 - No. 4201, Steel Blade, White Bone Handle, Bolster and Cap, per gross,
- Half-gross in a Package.

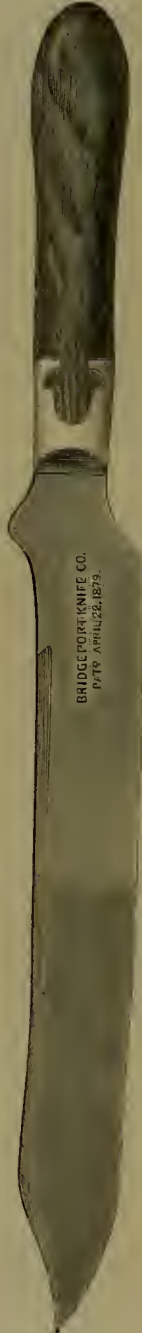
Carving Knives and Forks.



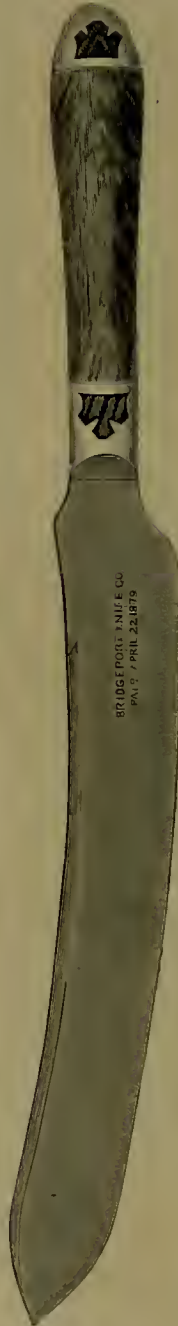
No. 7156, EBONY.
Per pair, \$ 2 00



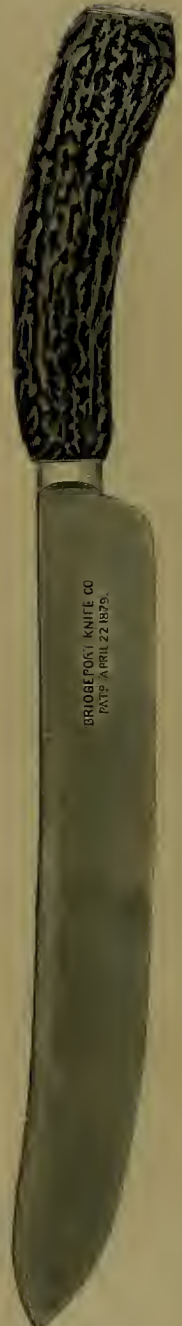
No. 7256, EBONY.
2 50



No. 7121, EBONY.
3 00



No. 6223, COCOA.
4 00



No. 1100, STAG.
4 00

Extra Quality Carving Knives and Forks.



No. 1130, SEAG.

No. 971, IVORY.

No. 957, IVORY.

No. 951, IVORY.

No. 925, IVORY.

Per set, \$6 25

15 00

20 00

13 00

9 50

A set includes knife, fork and steel.

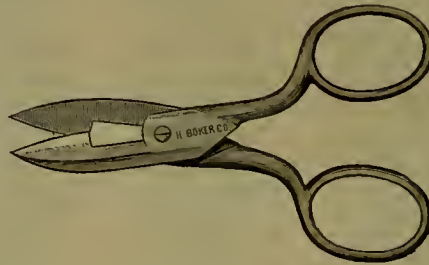
Scissors.



Half size cut of Nos. 4365 and 4027.

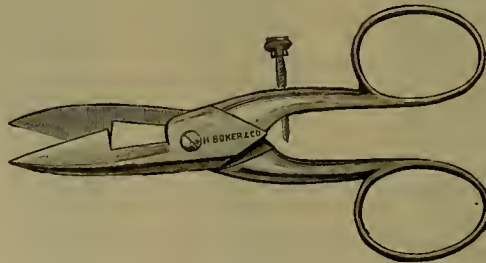
Embroidery Scissors.

No. 4027, Cast Steel, per dozen,	\$ 2 75
No. 4365, " " painted Handles, per dozen,	3 25



Half size cut.

No. 4365, Cast Steel, painted Handles, per dozen,	\$ 6 00
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Half size cut.

No. 4162½ Cast Steel, ½ inch, per dozen,	\$ 8 00
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Scissors.



Half size cut.

Pocket Scissors.

No. 4021, 4 inch, Cast Steel, per dozen,	\$ 3 25
No. 4365, 4 " " painted Handle, per dozen,	3 60

Barnard's Lamp Trimmer.



Barnard's Lamp Trimmers, Solid Cast Steel, Japanned Bows, per dozen,	\$ 7 20
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No. 4365.

Inches,		4	4½	5	5½	6	6½	7
No. 4003, Cast Steel Polished, per doz.,	\$ 2 50	3 00	3 50	4 00	4 50	5 00	6 00	
No. 4365, " Painted Handles, per doz.,	3 00	3 50	4 00	4 50	5 00	5 50	6 50	

Trimmers.



Seymour's Straight Trimmers.

Full length,	6 in.,	Japanned,	Per Dozen.	Nickel-plated Handles and Blades,	Net, extra.
"	6½	"	\$ 12 00	"	\$ 1 65
"	7	"	13 00	"	1 65
"	7½	"	14 00	"	1 65
"	8	"	15 00	"	1 65
"	8½	"	16 00	"	1 65
"	9	"	17 00	"	1 85
"	9	"	19 00	"	1 85
"	10	"	25 00	"	1 85
"	11	"	30 00	"	3 25
"	12	"	33 00	"	3 50
"	13	"	36 00	"	3 75
"	8½	"	Left Handles,	"	24 00



Seymour's Bent Trimmers.

Full length, inches,	8½	9	10	11	12	13
Japanned, per dozen,	\$ 20 00	22 00	27 00	30 00	33 00	36 00
Nickel Handles and Blades, net, extra,	1 85	1 85	2 25	3 25	3 50	3 75

Mass. Cutlery Co's Brand, Second Quality Straight Trimmers.

Full length, inches,	6	6½	7	7½	8	8½	9	10
Japanned, per dozen,	\$ 12 00	13 00	14 00	15 00	16 00	17 00	19 00	25 00
Nickel-plated Handles, net, extra,	1 50	1 50	1 50	1 50	1 50	1 75	1 75	1 75

Same Pattern as Seymour's.

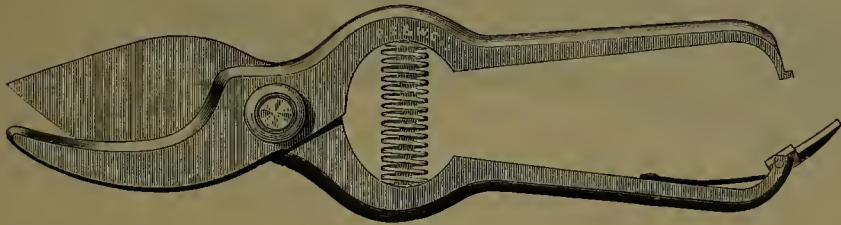


Seymour's Barbers' Scissors—Lipped.

Full length, inches,	8½	9	9½
Japanned, per dozen,	\$ 17 00	18 00	20 00

Pruning Shears.

FRENCH PATTERN.



One-half size cut of No. 10.

Spiral Steel Springs, Forged, Extra.

No. 9,	9 inches,	all polished,	per dozen,	\$ 17 00
" 10,	10 "	" "	" "	19 00
" 12,	12 "	" "	" "	24 00

In paper boxes of One-third dozen each.



One-half size cut of No. 1.

Steel Blades, Brass Springs.

No. 1,	Connecticut Pattern,	per dozen,	\$ 8 25
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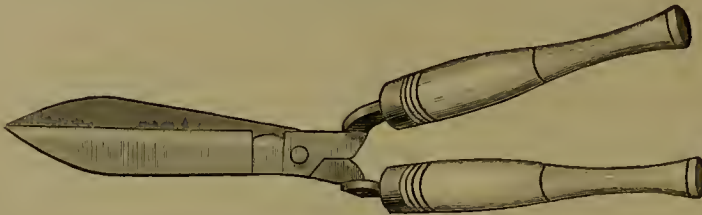
Per dozen,	\$ 48 00
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Red Clipper Hedge Shears.



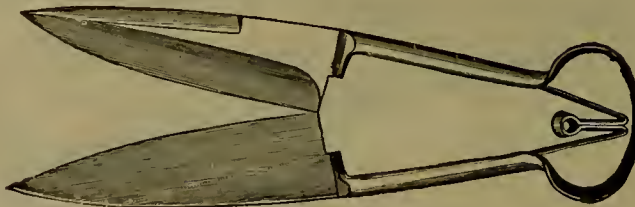
Per dozen, \$ 48 00

Wilkinson's Hedge Shears.



Wilkinson's, with Notch, 8 inch Blades, each, \$ 3 50
 " " 9 " " " " 4 00

Sheep Shears.



Ward & Payne, all sizes, per dozen, \$

Sorby's Kangaroo Sheep Shears.

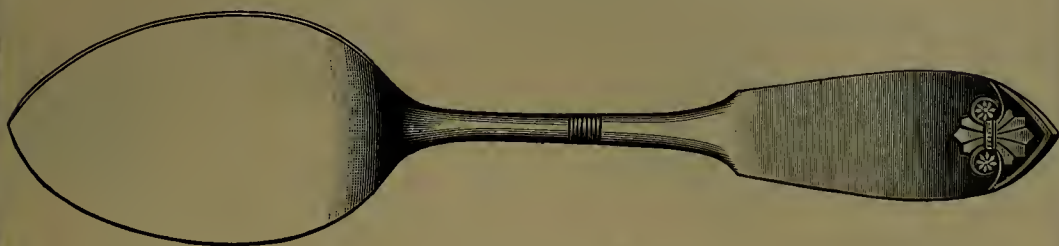
9 C. S., all sizes, per dozen, \$

Hand Shears or Snips.



No. 7, Hand, cut 4 inches, each, \$ 3 50
 No. 8, Hand, cut 3½ inches, each, 3 00
 No. 9, Hand, cut 3 inches, each, 2 50

Rogers Silver Electro Plated Spoons, Etc.



French Tipped Pattern—Round Handle.



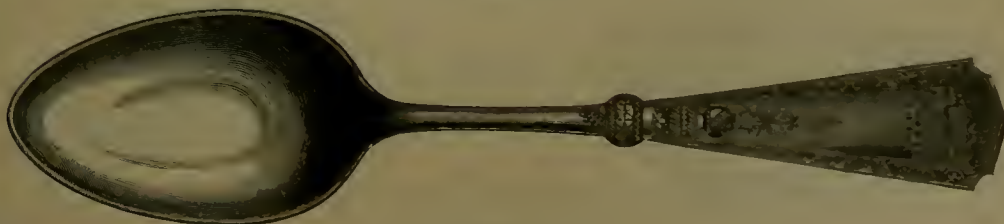
Tipped Pattern—Flat Handle.

Tipped and French Tipped Patterns.

	Extra Plate.	Double Plate.	Triple Plate.	Sectional Plate.
Tea Spoons,	No. 2, \$4 25	No. 4, \$ 5 50	No. 6, \$ 6 75	\$ 5 00
Table Spoons and Medium Forks,	" 4, 8 50	" 8, 11 00	" 12, 13 50	10 00
Dessert Spoons and Dessert Forks,	" 3, 7 50	" 6, 9 50	" 9, 11 50	8 63



Geneva Pattern—Back.



Geneva Pattern—Front.

Geneva Patterns.

	Extra Plate.	Double Plate.	Triple Plate	Sectional Plate
Tea Spoons,	No. 2, \$4 75	No. 4, \$ 6 00	No. 6, \$ 7 25	\$ 5 50
Table Spoons and Medium Forks.	" 4, 9 50	" 8, 12 00	" 12, 14 50	11 00
Dessert Spoons and Forks,	" 3, 8 50	" 6, 10 50	" 9, 12 50	9 63

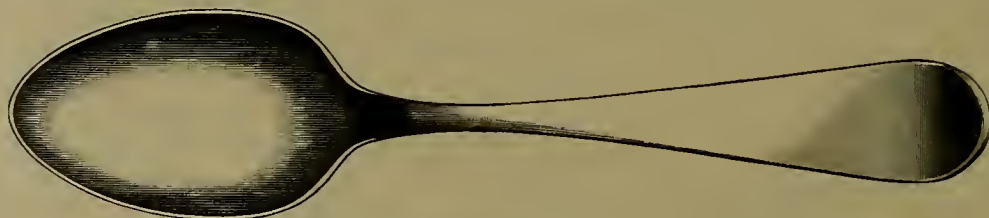
Rogers Plated Goods—*Continued.*



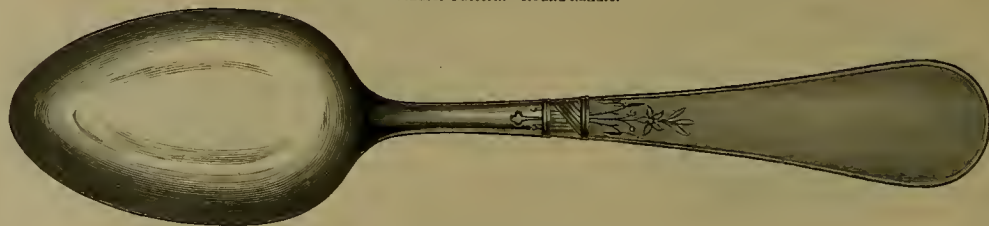
Improved Oval Pattern.

Improved Oval Pattern.

	Extra Plate.	Double Plate.	Triple Plate.	Sectional Plate.
Tea Spoons,	No. 2, \$4 50	No. 4, \$ 5 75	No. 6, \$ 7 00	\$ 5 25
Table Spoons and Medium Forks,	" 4, 9 00	" 8, 11 50	" 12, 14 00	10 50
Dessert Spoons and Dessert Forks,	" 3, 8 00	" 6, 10 00	" 9, 12 00	9 13



Windsor Pattern. Round handle.



St. James Pattern—Back.

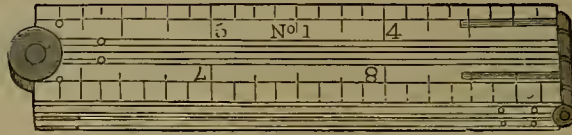


St. James Pattern—Front.

St. James and Windsor Patterns.

	Extra Plate.	Double Plate.	Triple Plate.	Sectional Plate.
Tea Spoons,	No. 2, \$4 75	No. 4, \$ 6 00	No. 6, \$ 7 25	\$ 5 50
Table Spoons and Medium Forks,	" 4, 9 50	" 8, 12 00	" 12, 14 50	11 00
Dessert Spoons and Forks,	" 3, 8 50	" 6, 10 50	" 9, 12 50	9 63

Boxwood Rules.



No. 1. Round Joint.

One Foot, Four Fold, Narrow.

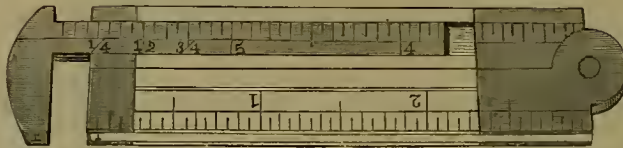
No. 1, Round Joint, Middle Plates, 8ths and 16ths, $\frac{5}{8}$ inch wide, per dozen,	\$ 3 00
No. 2, Square " " " " " " " " " "	3 50



No. 9. Arch Joint.

No. 5, Square Joint, Bound, $\frac{5}{8}$ inch wide, per dozen,	\$ 11 00
No. 9, Arch " " " " " " " " " "	12 00

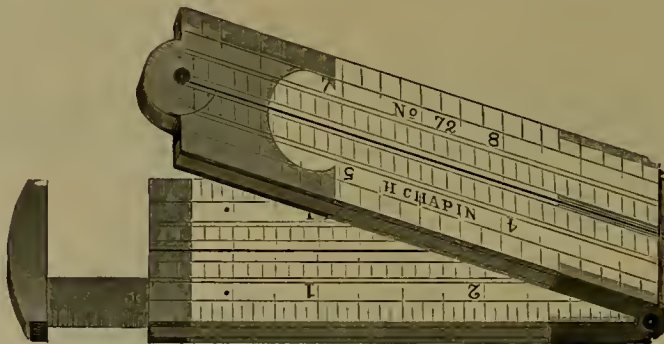
Boxwood Rules—Calliper.



No. 70. Square Joint.

6 Inch, with 8ths and 16ths.

No. 70, Square Joint, two fold, 6 inch, $\frac{7}{8}$ inch wide, per dozen,	\$ 7 00
No. 71, " " " 6 " Brass Case, $\frac{7}{8}$ inch wide, per dozen	8 00



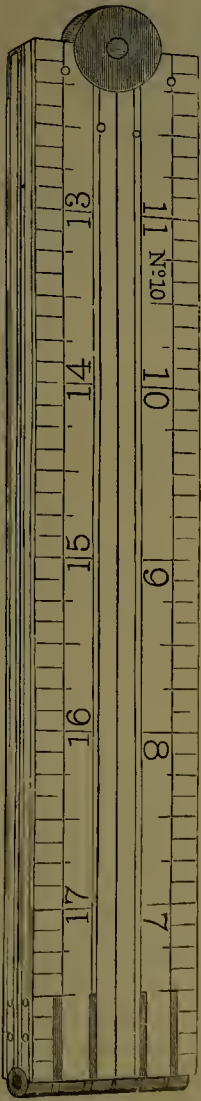
No. 72. Arch Joint.

12 Inch, with 8ths and 16ths.

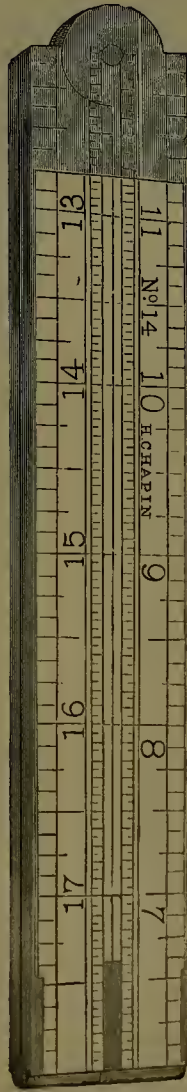
No. 72, Arch Joint, Edge Plates, four fold, 12 inch, $\frac{7}{8}$ inch wide, per dozen,	\$ 12 00
No. 73, " Bound, " 12 " $\frac{7}{8}$ " " " "	20 00

One dozen in a box.

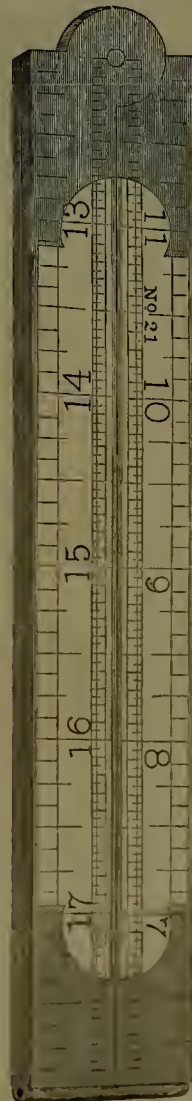
Boxwood Rules.



No. 10. Round Joint, Middle Plates.



No. 14. Square Joint, half bound.



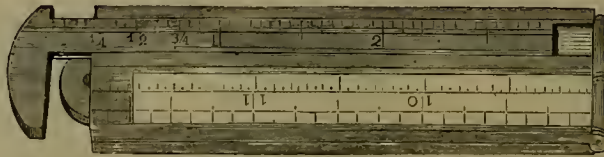
No. 20. Double Arch Joint.

Two Feet, Four Fold, Narrow.

No. 10, Round Joint, Middle Plates, 8ths and 16ths, per dozen.	4 00
No. 11, Square " " 8ths " 16ths, "	5 00
No. 12, " " Edge Plates, 8ths, 16ths, 10ths and Scales, per dozen.	7 00
No. 14, " " half bound, " " " " "	12 00
No. 15, " " bound, " " " " "	15 00
No. 20, Double Arch Joint, " " " " "	9 00
No. 26, Square Joint, bound, " " " " "	18 00

No. 26, 1 1/2 inch wide; others 1 inch wide.
 Nos. 10, 11, 12 and 20, one dozen in a box.
 Other numbers half dozen.

Ivory Rules—Calliper.



No. 77, 12 Inch, Square Joint.

6 Inch, with 8ths and 16ths.

No. 74, Square Joint, Two Fold, German Silver, $\frac{3}{8}$ in. wide, per dozen, \$ 15 00

12 Inch, with 8ths, and 16ths.

No. 76, Square Joint, Four Fold, Edge Plates, German Silver, $\frac{3}{8}$ in. wide, per dozen, \$ 38 00
 No. 77, " " " " German Silver, Bound, $\frac{1}{2}$ to $\frac{5}{8}$ in. " " 44 00

One Foot, Four Fold, with 8ths and 16ths.

No. 88 $\frac{1}{2}$, Arch Joints, Edge Plates, German Silver, $\frac{5}{8}$ in., per dozen, \$ 21 00

Two Feet, Four Fold, Narrow, with full Scales.

No. 85, Square Joint, Edge Plates, German Silver, $\frac{3}{8}$ in. wide, per dozen, \$ 54 00
 No. 86, Arch Joint, " " " " 1 in. " " " " 64 00
 No. 87, " " " " Bound, " " 1 in. " " " " 80 00
 No. 95, Double Arch Joint, Bound " " 1 $\frac{1}{8}$ in. " " " " 120 00

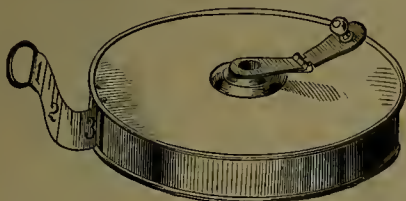
Yard Sticks.

No. 82, Yard Sticks, per dozen, \$ 1 50
 No. 83, " " Brass Tipped, Polished, per dozen, 3 50
 No. 43 $\frac{1}{2}$, Board Stick, Brass Tip, per dozen, 12 00

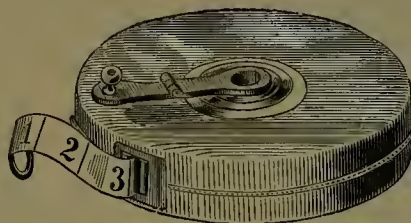
Comparative Numbers of Rules.

Chapin's No.	Stanley's No.	Stephen's No.	Chapin's No.	Stanley's No.	Stephen's No.	Chapin's No.	Stanley's No.	Stephen's No.	Chapin's No.	Stanley's No.	Stephen's No.
1	69	70	22	67	53	47	27		76	39	98 $\frac{1}{2}$
2	65	71	23	70	54	48	12	14	77	40	99 $\frac{1}{2}$
3	64	72	24	72	56	49	15	27	80	34	
5	65 $\frac{1}{2}$	72 $\frac{1}{2}$	26	72 $\frac{1}{2}$	54 $\frac{1}{2}$	50	6	16	81	35	
6	55	73	27	73	57	51	16	28	82	33	
7	56	74	28	75	59	52	90	89	83	41	
9	57	75	30	76	60	54	92 $\frac{1}{2}$	90 $\frac{1}{2}$	84	66	32
10	68	41	31	77	61	55	92	91	87 _o	46	
11	61	42	32	78 $\frac{1}{2}$	63	56	88 $\frac{1}{2}$	93	87 _s	46 $\frac{1}{2}$	
11 $\frac{1}{2}$	61 $\frac{1}{2}$	44	34	79	64	57	88	94	88 _o	47	
12	63	45	36	81	66	58	91	91 $\frac{1}{2}$	88 _s	47 $\frac{1}{2}$	
13	63 $\frac{1}{2}$	44 $\frac{1}{2}$	37	82	67	59	85	77	89	48	
14	84	42 $\frac{1}{4}$	38	29	1	60	86	83	90 $\frac{1}{2}$	43 $\frac{1}{2}$	
15	62	42 $\frac{1}{2}$	39	18	2	61	87	84	89 $\frac{1}{2}$	48 $\frac{1}{2}$	
16	51	46	40	22	5	62	89	86	92	44	
17	53	48	41	1		64	95	87	93	45	
18	52	49 $\frac{1}{4}$	42	2	13	67	97	88	94 $\frac{1}{2}$	45 $\frac{1}{2}$	
19	54	49	44	4	15	70	36	95	96	58	33
20	59	50	45	5	17	72	32	98	98	50	
21	60	52	46	26	9	74	38	95 $\frac{1}{2}$	99	99	

Measuring Tapes.



Ass Skin Case.



Leather Case.

No. 33,	Ass Skin Case,	50 feet,	$\frac{1}{2}$ inch	Cotton Tape,	per dozen,	\$ 5 00
No. 34,	"	66 "	$\frac{1}{2}$ "	"	"	6 00
No. 35,	"	75 "	$\frac{1}{2}$ "	"	"	7 50
No. 37,	"	100 "	$\frac{1}{2}$ "	"	"	9 00
No. 83,	"	50 "	$\frac{1}{2}$ inch	Holland Tape,	"	8 00
No. 85,	"	75 "	$\frac{1}{2}$ "	"	"	10 00
No. 87,	"	100 "	$\frac{1}{2}$ "	"	"	12 50
No. 40,	Patent Leather Case,	25 feet,	$\frac{1}{2}$ inch	Cotton Tape,	per dozen,	4 75
No. 43,	"	50 "	$\frac{1}{2}$ "	"	"	6 25
No. 46,	"	75 "	$\frac{1}{2}$ "	"	"	8 75

Half dozen in a box.

Chesterman's Patent Tape Lines.

50 feet	Metallie Wire Woven,	Folding Handle,	each,	\$
75 "	"	"	"	
100 "	"	"	"	

Pocket Spring Measuring Tapes.



No. 25,	Five feet	Linen Tape,	Nickel-plated Case,	per dozen,	\$ 5 50
No. 28,	Six	"	"	"	5 75

DAVIS LEVEL & TOOL CO'S

Adjustable Spirit Level, Plumb and Inclinator.



No. 1, 6 inch.

Machinists' Iron Levels.

Price per dozen, \$ 24 00

Unequaled in accuracy, durability and simplicity. Each Level fully warranted.



No. 2, 12 inch.

Price per dozen, \$ 30 00



No. 3, 18 inch.

Price per dozen, \$ 36 00



No. 4, 24 inch.

Price per dozen, \$ 42 00

These levels are packed in boxes of one only.

Plumbs and Levels.



No. 0.

	Per Dozen.
No. 102. Levels, Arch Top Plate, Two Side Views, polished, assorted; 10 to 16 in.	\$ 9 00
No. 00. Plumb and Level, Arch Top Plate, Two Side Views, polished, assorted; 18 to 24 in.	16 00
No. 0. Plumb and Level, Arch Top Plate, Two Side Views, polished, assorted; 24 to 30 in.	18 00
—	
No. 1. Patent Adjustable Mahogany Plumb and Level, Arch Top Plate, Two Side Views, polished, assorted; 26 to 30 in.	27 00
No. 2. Patent Adjustable Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, polished, assorted; 26 to 30 in.	27 00
No. 3. Patent Adjustable Plumb and Level, Arch Top Plate, Two Side Views, polished and tipped, assorted; 26 to 30 in.	30 00
No. 4. Patent Adjustable Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, polished and tipped, assorted; 26 to 30 in.	39 00
No. 5. Patent Adjustable Plumb and Level, Triple Stock, Arch Top Plate, Two Ornamental Brass Lipped Side Views, polished and tipped, assorted; 26 to 30 in.	48 00
No. 6. Patent Adjustable Mahogany Plumb and Level, Arch Top Plate, Two Brass Lipped Side Views, polished, assorted; 26 to 30 in.	33 00



No. 3.

Level Glasses.

Inch,	1½	2	2½	3	3½	4
Per gross,	\$ 9 50	10 00	10 50	11 50	13 00	14 50

Assorted.

2, 2½, 3 and 3½ inch, assorted, per gross, \$ 12 00

Quarter gross in a box.

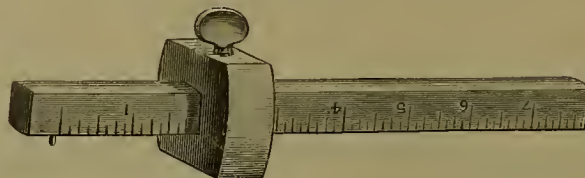
Pocket Levels.



No. 41.

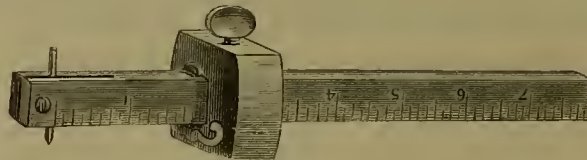
No. 40, Iron, Iron Top Plate, Japanned, 1 dozen in a box, per dozen	\$ 2 50
No. 41, Iron, Brass Top Plate, 1 dozen in a box, per dozen,	3 00
No. 42, Brass, Brass Top Plate, 1 dozen in a box, per dozen,	8 00

Gauges.



No. 61.

No. 61, Marking Gauge, Beechwood, Boxwood Thumb Screw, Oval Bar, Marked, Steel Point, 1 dozen in a box, per dozen,	\$ 1 00
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No. 65.

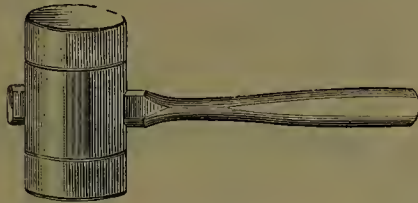
No. 62, Patent Marking Gauge, Beechwood, Polished, Boxwood Thumb Screw, Oval Bar, Marked, Adjusting Steel Point, 1 dozen in a box, per dozen,	\$ 2 00
No. 65, Patent Marking Gauge, Boxwood, Polished, Plated Head, Brass Thumb Screw and Shoe, Oval Bar, Marked, Adjusting Steel Point. $\frac{1}{2}$ dozen in a box, per dozen,	5 00



No. 77.

No. 67, Mortise Gauge, Adjustable Wood Slide, Boxwood Thumb Screw, Oval Bar, Marked, Steel Points, $\frac{1}{2}$ dozen in a box, per dozen,	\$ 4 00
No. 76, Patent Mortise Gauge, Boxwood, Polished, Plated Head, Screw Slide, Brass Thumb Screw and Shoe, Oval Bar, Marked, Steel Points, $\frac{1}{2}$ dozen in a box, per dozen,	11 00
No. 77, Patent Mortise and Marking Gauge, Rosewood, Plated Head, Improved Screw Slide, Brass Thumb Screw and Shoe, Oval Bar, Marked, Steel Points, $\frac{1}{2}$ dozen in a box, per dozen,	10 00
No. 79, Patent Mortise Gauge, Rosewood, Plated Head and Bar, Screw Slide, Brass Thumb Screw and Shoe, Marked, Steel Points, $\frac{1}{2}$ dozen in a box, per doz.,	13 00

Mallets, Mortised Handles.



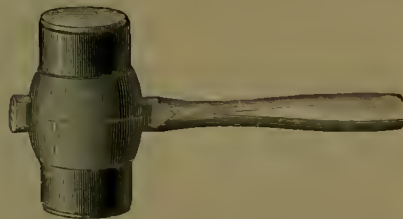
No. 2.

No. 1, Round Hickory, Mortised, 5 in. long, 3 in. diameter, per dozen,	\$ 3 00
No. 2, Round Hickory, Mortised, 5½ in. long, 3½ in. diameter, per dozen,	4 00
No. 3, Round Hickory, Mortised, 6 in. long, 4 in. diameter, per dozen,	5 00
No. 5, Round Lignum-vitæ, Mortised, 5 in. long, 3 in. diameter, per dozen,	6 00
No. 6, Round Lignum-vitæ, Mortised, 5½ in. long, 3½ in. diameter, per dozen,	8 00
No. 7, Round Lignum-vitæ, Mortised, 6 in. long, 4 in. diameter, per dozen,	10 00



No. 8.

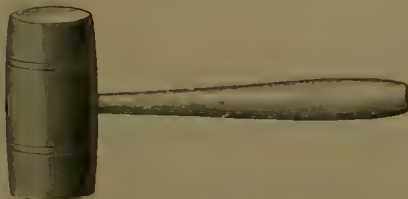
No. 8, Square Hickory, Mortised, 6 in. long, 2½ × 3½ in., per dozen,	\$ 4 00
No. 9, Square Hickory, Mortised, 6½ in. long, 2¾ × 3¾ in., per dozen,	5 00
No. 10, Square Hickory, Mortised, 7 in. long, 3 × 4 in., per dozen,	6 00
No. 11, Square Lignum-vitæ, Mortised, 6 in. long, 2½ × 3½ in., per dozen,	7 50



No. 14.

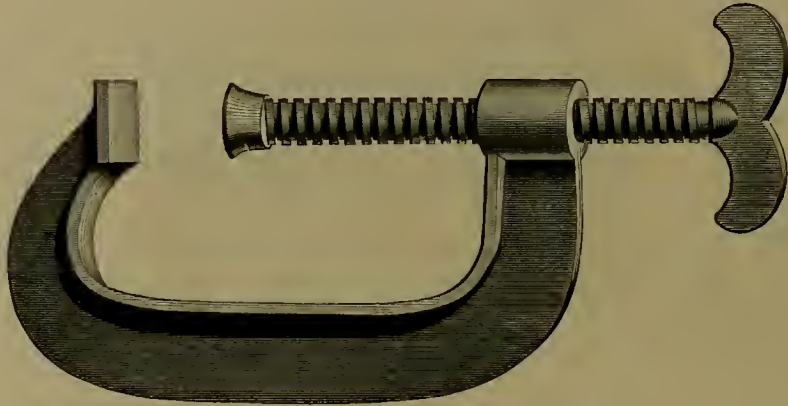
No. 14, Round Mallet, Mortised, Iron Rings, 6 in. long, 4 in. diameter, per dozen,	\$ 11 00
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Tinners' Mallets.



No. 4, Round Hickory, 5½ in. long, assorted, 2¼ and 2½ in. diameter, per dozen,	\$ 2 50
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Carriage Makers' Clamps.



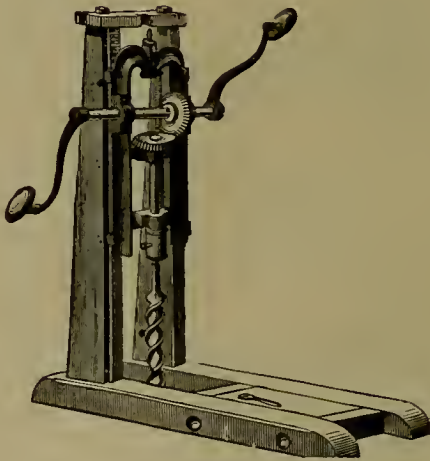
Half Size Cut of No. 14.

Malleable Iron, Swivel Head on End of Screw.

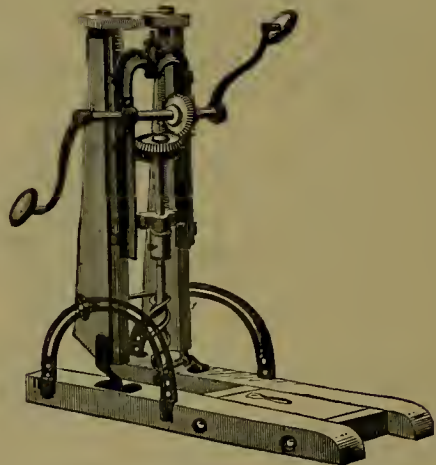
Nos.	12	13	14	15	16	17	18	20
Open. inch,	2½	3	4	5	6	7	8	10
Per dozen,	\$ 6 40	7 35	10 80	12 80	16 00	18 00	21 00	24 00

Nos. 12 to 16, half dozen in a box ; Nos. 17 to 20 are loose.

Boring Machines.



Upright Machine.



Angular Machine.

Without Augers.

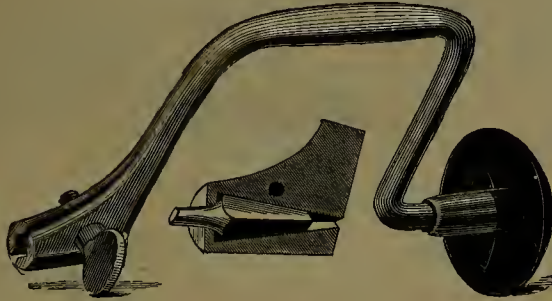
No. 20, Upright, without Augers, each,	\$ 5 50
No. 30, Angular, without Augers, each,	6 75

With Augers.

No. 25, Upright, with Augers, one each, 1, 1½ and 2 inch, each,	\$
No. 35, Angular, with Augers, one each, 1, 1½ and 2 inch, each,	

A full case contains two machines.

Spofford's Braces.



No. 7, 7 inch sweep, per dozen,	\$ 17 00
No. 8, 8 " " "	20 00
No. 10, 10 " " "	23 00
No. 12, 12 " " "	26 00

Bartholomew Braces.



No. 117, 8 inch sweep, per dozen,	\$ 12 00
No. 118, 9 $\frac{1}{2}$ " " "	13 00
No. 119, 10 $\frac{1}{2}$ " " "	14 00
No. 122, 10 $\frac{1}{2}$ " " Ratchet, per dozen,	25 00
No. 123, 9 $\frac{1}{2}$ " " " "	24 00

Barber's Ratchet Braces.



No. 31, 12 inch sweep, per dozen,	\$ 39 00
No. 32, 10 " " "	36 00
No. 33, 8 " " "	33 00
Extra Jaws for same, per pair.	50

Ives' Ball Braces.

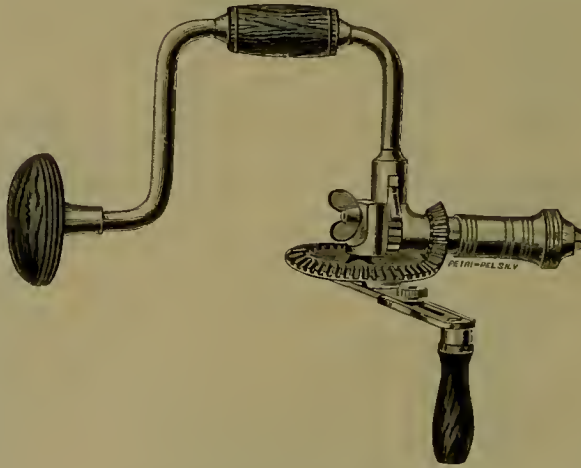


No. 25.

No. 25, 8 Inch Sweep,

\$ 6 00

Drill Braces.



This is a ten inch sweep Ratchet Brace, with Gear Wheels speeded about three to one, to be used for drilling. When not needed, the Gear Wheel can be removed in one second, leaving a ratchet brace. This Brace is made of steel, and is heavily Nickel Plated, with Rosewood handle and Lignum-vitæ head. The jaws are of forged steel, and will center and hold firmly round twist drills from 1-8th to 7-16ths of an inch in diameter. Also square shank Bits and Drills of all sizes. Also square and flat Screw-driver Bits. In fact, it will hold, perfectly, tool shanks of any size or shape.

With each Drill Brace we send an extra set of Forged Steel Jaws, mainly to be used for holding round twist drills less than one-eighth of an inch in diameter. As will be noticed in the cut, the large gear wheel has an extension handle to give it more power when needed.

Price of Drill Brace complete, per dozen,

\$ 36 00

Patent Improved Angular Borers.



No. 21.



No. 22.

This implement is of incalculable value for boring where the ordinary brace cannot be used, in all places where there is not room for the regular brace handle to turn; and can be used for boring in corners, against partitions, along-side of walls, between beams, around projections, shelves, etc., and is therefore a tool peculiarly suited to the use of gas-fitters, plumbers, bell-hangers, carpenters, and for agricultural work, etc.

The Socket for holding the Bit is the same as in ordinary Brace.

No. 21, per dozen, \$ 24 00
 No. 22, with Set Screw, per dozen, 24 00

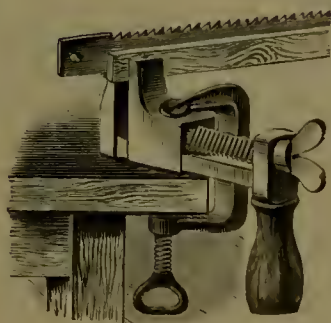
Robinson's Crank Wrench and Bit Braces.

Under separate patents are three improvements, which give to this Wrench the following advantages over any other:

The tool is here seen as a WRENCH, a CLAMP, and a HAND-VICE.



POLISHED.



The old style of wrenches have to be removed and readjusted to a nut at every half turn they make. In this one the thumb-nut grips the jaws to the object to be turned, and by means of the crank handle the work is speedily done before the wrench is removed. For oiling buggies and wagons this wrench has no equal. It does the work very quickly and you never need touch the axle-nut with your hands or gloves. In all other places it is equally handy, and greatly saves time and labor. This brace-arm fits into the wrench handle to make the bit brace.

Price, per dozen, \$ 24 00

Brass Plumb Bobs.



Half Size Cut of No. 6.

No. 5, Brass, Steel Pointed, Weight 6½ ounces each, per dozen,	.	.	\$ 7 00
No. 6, " " " 12 " " per dozen,	.	.	10 00

Half dozen in a box.



Nos. 00 and 0. Half Size Cut of No. 0.

Japped Plumb Bobs.



Half Size of No. 2.

No. 00, Adjusted Top, Weight 1 lb. 2 oz. each, per dozen,	.	.	\$ 4 50
No. 0, " " 2 lb. 10 oz. " per dozen,	.	.	6 00
No. 2, " " 9½ oz. " per dozen,	.	.	1 60

No. 0 are loose; No. 00, half dozen in a box; Nos. 1 and 2, one dozen.

Adjustable Plumb Bobs.

These Plumb Bobs are constructed with a reel at the upper end, upon which the line may be kept; and by dropping the bob with a slight jerk, while the reel is held in the hand, any desired length of line may be reeled off. A spring, which has its bearing on the reel, will check and hold the bob firmly at any point on the line. The pressure of the spring may be increased or decreased by means of the screw which passes through the reel. A suitable length of line comes already reeled on each Plumb Bob.

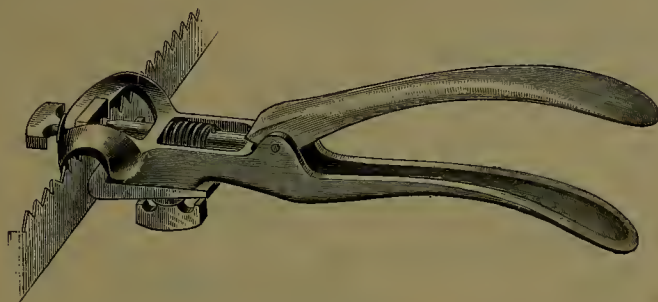


Prices.

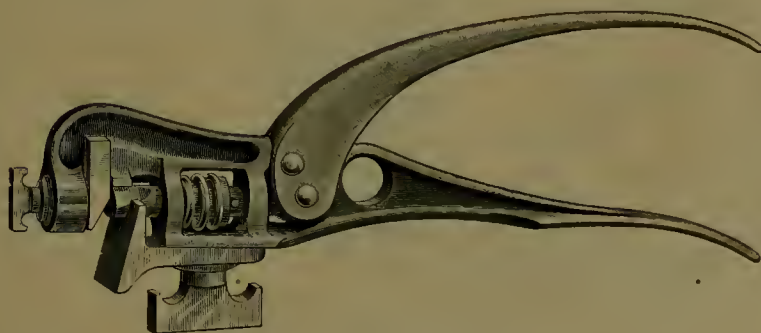
No. 1, Bronze Metal, with Steel Point, each,	.	.	\$ 1 50
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Morrill's Perfect Saw Sets.

Hand, Band, Scroll, Cross-cut, Circular and Mill.

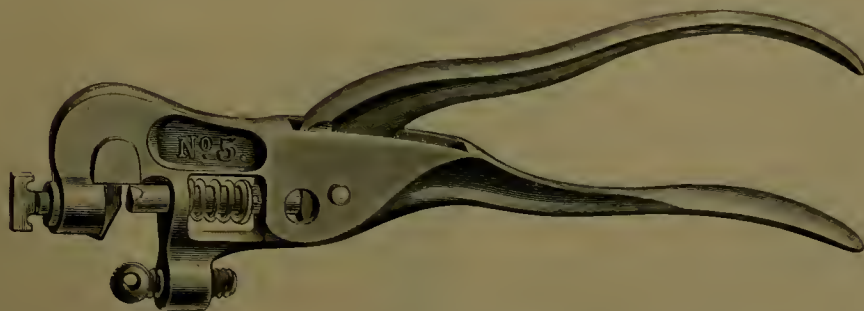


No. 1, For Hand Saws of every description, from 32 to 16 gauge, per dozen, . \$ 15 00



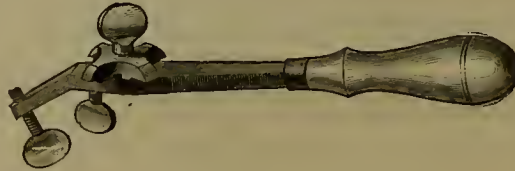
Form of No. 4.

No. 4, X Cut Saws, with Champion M-shaped Teeth, sets both teeth at once, per doz., \$ 24 00



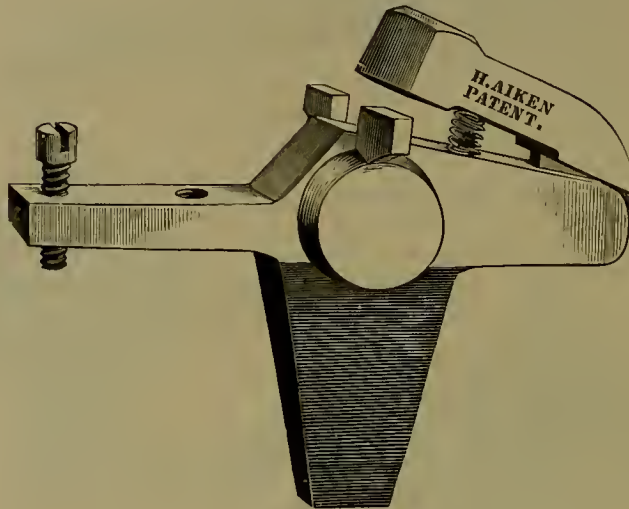
No. 5, For Board and Timber saws, and all kinds of Re-saws, from 6 to 14 gauge, per doz., \$ 52 00

Stillman's Saw Sets.



Saw Sets, for Hand Saws, per dozen,	\$ 5 00
" " Cross-cut Saws, per dozen,	7 75
One dozen in a box.	

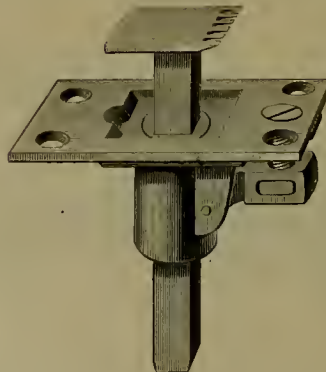
Aiken's Patent Saw Sets.



Cast Steel.

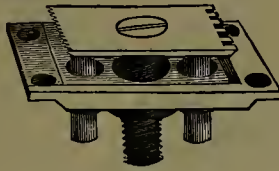
No. 1, Aiken's Patent Hammer Saw Sets, Genuine, per dozen,	\$ 13 00
No. 5. " Pattern " " per dozen,	9 00
One dozen in a box.	

Morrill's Perfect Bench Stop.



Morrill's Perfect Bench Stop, per dozen,	\$ 9 00
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No. 10, Bench Hooks.



No. 10, Bench Hooks, per dozen,

\$ 6 00

One dozen in a box.

Cast Steel Compasses.



Inch,
Per dozen,

3	4	5	6	7
\$ 3 12	4 50	4 80	5 50	6 25

One dozen in a box.

Cast Steel Dividers.



Inch,
Per dozen

5	6	7	8	9	10	12	15	18
\$ 5 50	5 50	6 50	7 50	9 00	10 00	12 00	18 00	25 00

5 to 8 inch, one dozen in a box ; 9 inch and larger, half dozen.

Cast Steel Callipers.

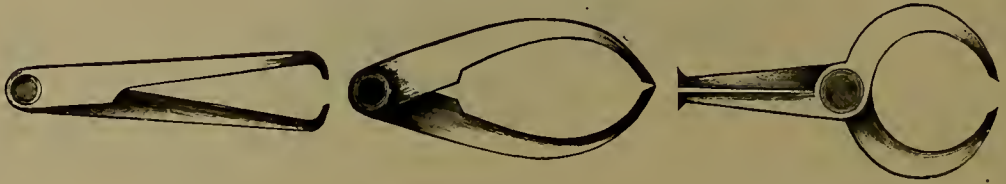


Inch,
Per dozen,

6	8	10	12
\$ 7 00	9 00	11 00	13 00

Half dozen in a box.

Inside and Outside Callipers.



No. 62.—Inside.

No. 63.—Outside.

No. 65.—Both Inside and Outside.

No. 62.

Inch,	2½	3	4	5
Per doz.,	\$ 3 00	3 00	3 25	3 75
Inch,	6	7	8	10
Per doz.,	\$ 4 25	5 00	6 00	7 25

No. 63.

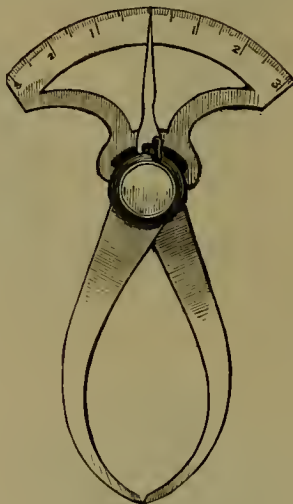
Inch,	2½	3	4	5
Per doz.,	\$ 3 00	3 00	3 25	3 75
Inch,	6	7	8	10
Per doz.,	\$ 4 25	5 00	6 00	7 25

No. 65.

Inch,	3	4	5	6
Per doz.,	\$ 3 50	4 25	5 00	6 00

Half dozen in a box.

Self-Registering Callipers.



Both Inside and Outside.

Nickel Plated, with Set Screw.

3 inch, per dozen,	.	.	.	.	.	.	.	.	.	\$ 8 00
4 inch, per dozen,	.	.	.	.	.	.	.	.	.	9 00
5 inch, per dozen,	.	.	.	.	.	.	.	.	.	11 00
6 inch, per dozen,	.	.	.	.	.	.	.	.	.	12 00

Half dozen in a box.

Oilers.



Brass, Engineer's Set.

Five pieces and tray, large

\$ 7 00

Zinc Oilers.

No. 0, Tin bottom,	per dozen, \$ 1 00
No. 1, "	" 1 25
No. 2, "	" 1 50
No. 3, "	" 1 75
No. 4, "	" 2 25
No. 5, "	" 3 00
No. 6, "	" 4 00

Copper and Brass Oilers.

No. 0,	per dozen, \$ 2 25
No. 1,	" 2 50
No. 2,	" 3 00
No. 3,	" 3 50
No. 4,	" 4 50
No. 5,	" 5 75
No. 6,	" 7 50

Paragon Oilers.

No. 0, Zinc, with drip cup, tin bottom,	per dozen, \$ 1 75
No. 1, " " " " " "	" 2 00
No. 2, " " " " " "	" 2 50
No. 3, " " " " " "	" 2 75
No. 4, " " " " " "	" 3 25
No. 5, " " " " " "	" 4 00
No. 6, " " " " " "	" 5 00

Automatic Oilers.

No. 1, Zinc,	per dozen, \$ 3 00
No. 2, "	" 3 60
No. 3, "	" 4 00

Paragon Brass.

No. 3,	per dozen, \$ 4 75
No. 4,	" 5 50
No. 5,	" 6 75



Paragon Oiler.



Common Oiler.



Automatic Oiler.

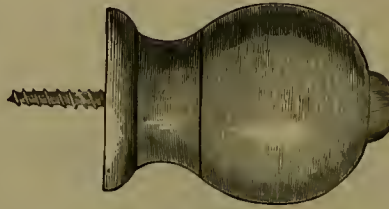


Malleable Oiler.

Malleable Iron Oilers, per dozen

\$ 8 00

Elastic Base Knobs.



Black Walnut, Rubber Tip, Iron Screw.

2½ inch, per gross, \$ 10 00 | 3 inch, per gross, \$ 11 00
 Quarter gross in a box.

Auger Handles.



Assorted, per gross, \$ 12 00 | Assorted, Large, per gross, \$ 14 00
 One-twelfth gross in a bundle.

Ives' Patent Auger Handles.

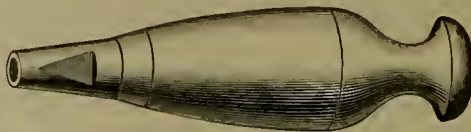


No. 2 Extra.

This is a very superior handle, and the only one in the market that adjusts itself to the various tapers of the Auger shanks. This is accomplished by means of a cam-ring, and any Auger, however tapering the shank, can always be held at right angles with the handle. *With a wooden follower, as now constructed, they will hold a square shank without a nut.*

No. 2, in sets of two, per set, \$ 2 50
 One set in a package.

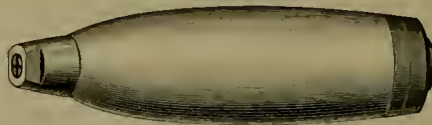
Patent Awl Hafts.



No. 6½, Sewing Awl Haft.



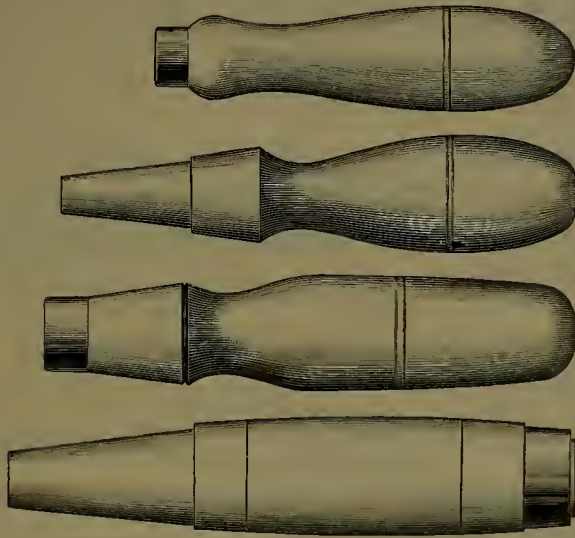
Wrench.



No. 6.

No. 6, Hickory, Pegging Awl Haft, Leather Top, Steel Serew and Nut with Wrench, per gross, . . . \$ 12 00
 No. 6½, Apple-tree Sewing Awl Haft, to hold any size Awl, Steel Screw and Nut with Wrench, per gross, . . . 12 00
 One dozen in a box.

File and Chisel Handles.



File Handles.

No. 7, Assorted, per gross, \$ 6 00

One dozen in a box.

Firmer Chisel Handles.

Hickory, Assorted, per gross, \$ 6 50

Applewood, Assorted, per gross, 7 50

Socket Firmer Chisel Handles.

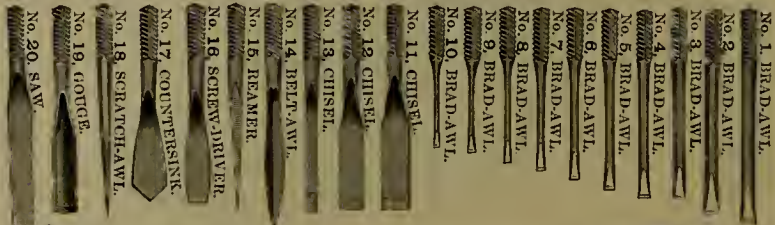
Assorted, per gross, \$ 5 25

Socket Framing Chisel Handles.

No. 6, Socket Framing Chisel Handles, Iron Ferrule, assorted, per gross, \$ 8 50

One-twelfth gross in a box.

Aiken's Patent Awls and Tools.



The Awls, Tools, and Wrench are all contained in the receptacle in the handle.

This cut is about two-thirds size.

Warranted Cast Steel.

No. 20, Genuine Patent Handle, 10 Awls and 10 Tools, as per cut, per dozen,	\$ 10 00
No. 120, Aiken's Pattern, 14 Awls and 6 Tools, per dozen,	7 00

One dozen in a box.

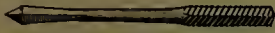
Iron Handle Awls and Tools.



No. 3, Iron Handle, with 20 Tools, per dozen,	\$ 7 80
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Half dozen in a box.

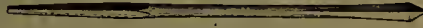
Awls.



Patent Peg Awl.



Patent Sewing Awl.



Saddlers' Awl.



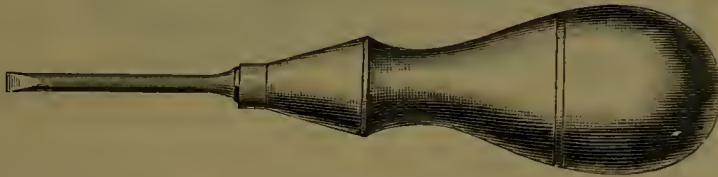
Shouldered Peg Awl.



Sewing Awl.

Patent Peg Awls, assorted, per gross,	\$ 1 15
Patent Sewing Awls, " " " " " " " " " " " "	2 75
Saddlers' Awls, " " " " " " " " " " " "	3 25
Sewing Awls, " " " " " " " " " " " "	2 75

Handled Brad Awls.



Assorted, Brass Ferrule, per gross,	\$ 12 00
One-twelfth gross in a box.	

Brad Awls.



Awls only, assorted small, per gross,	\$ 4 00
" full assortment, " " " " " " " " " " " "	4 50
" assorted large, " " " " " " " " " " " "	5 00
Half gross in a box.	

Handled Scratch Awls.



Brass Ferrule.

No. 1, Cast-steel, assorted, per dozen,	\$ 1 50
One dozen in a box.	

Socket Scratch Awls.



Half Size Cut.

Socket, cast-steel, per dozen,

\$ 2 50

One dozen in a box.

Chalk Line Reels and Awls.



No. 1.

Without Awls.

No. 1, Without Awls, per dozen, \$ 0 50

Three dozen in a box.



No. 10.

With Awls.

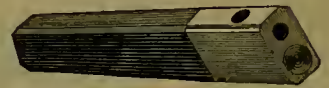
No. 10, With Awls, per dozen, \$ 1 50

One dozen in a box.

Cast Steel Rivet Sets.



Sizes of Rivet Set Holes.

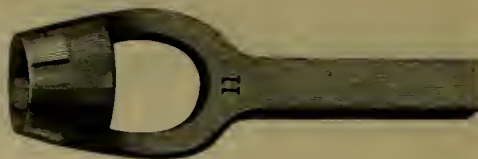


No. 2 is suitable for No. 7 Copper Rivets; No. 3 for No. 8 Rivets; and No. 4 for No. 9 Rivets.

Nos.	00	0	1	2	3	4	5
Per dozen,	\$ 9 00	9 00	7 60	7 60	6 00	6 00	4 50

Half dozen in a box.

Wad Cutters.



Nos. 8 and 9, per dozen,

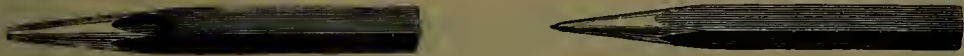
\$ 4 00

Nos. 10 to 18, " "

3 50

Half dozen in a box.

Solid Punches.



Cast Steel.

Nos. 0, 1, 2, 3, 4, 5, 6, 7, and Prick, separate and assorted, per dozen, \$1 44
One dozen in a box.

Saddler's Punches.

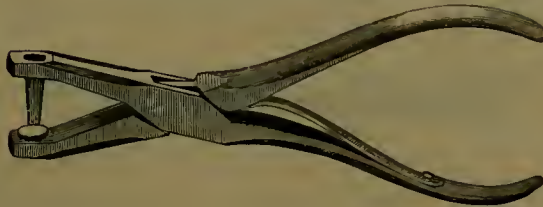


Nos.	1	2	3	4	5	6	7	8	9	10	12	14
Per doz., \$	2 00	2 00	2 00	2 00	2 00	2 25	2 25	2 25	2 25	2 50	2 50	2 50



Plate showing sizes of Nos. 1 to 11.

Spring Punches.



No. 10.

No. 10, Assorted Tubes, per dozen, \$9 50

One dozen in a box.

Revolving Spring Punches.



Four Tubes each, per dozen, \$18 00
Six Tubes each, " 22 50

Half dozen in a box.

Twist Drills.

Taper Shank Drills.

Straight Shank Drills.

Diam-eter.	Length.	Price Each.	Socket.	Diam-eter.	Length.	Price Each.	Socket.	Diam of Drills.	Length in in.	Price pr. Doz.	Price Each.
1/4	6 1/2	.60	No. 1, \$1.20.	1 9/32	14 1/2	\$ 4.65	No. 4, \$4.00.	1/16	2 1/2	\$1.00	09
5/16	6 3/4	.65		1 5/16	14 1/4	4.80		5/64	2 3/4	1.10	10
3/8	7	.70		1 11/32	14 3/8	5.00		3/32	2 3/4	1.20	11
7/16	7 1/4	.75		1 3/8	14 1/2	5.20		7/64	3 1/8	1.30	12
1/2	7 1/2	.80		1 13/32	14 5/8	5.40		1/8	3	1.45	13
9/16	7 3/4	.85		1 7/16	14 3/4	5.60		5/64	3 1/2	1.60	15
5/8	8	.90		1 15/32	14 5/8	5.80		3/32	3 1/4	1.80	16
11/16	8 1/4	.95		1 1/2	15	6.00		11/64	3 3/4	2.00	18
3/4	8 1/2	1.00		1 17/32	15 1/4	6.30		3/16	3 3/4	2.20	20
7/8	8 3/4	1.10		1 11/16	15 1/2	6.60		7/64	3 3/4	2.40	21
1	9	1.20	1 11/32	15 3/4	6.90	7/32	3 3/4	2.65	23		
1 1/16	9 1/4	1.30	1 5/8	15 1/2	7.20	15/64	3 3/4	2.90	26		
1 1/8	9 1/2	1.40	1 21/32	15 5/8	7.50	1/4	4	3.15	28		
1 1/4	9 3/4	1.50	1 11/16	15 3/4	7.80	17/64	4 1/4	3.40	30		
1 1/2	10	1.60	1 23/32	15 7/8	8.10	9/32	4 1/4	3.65	32		
1 3/4	10 1/4	1.70	1 3/4	16	8.40	19/64	4 1/2	3.90	35		
2	10 1/2	1.85	1 25/32	16 1/4	8.60	5/16	4 1/2	4.20	37		
2 1/16	10 3/4	2.00	1 13/16	16 1/2	8.80	21/64	4 5/8	4.50	40		
2 1/8	11	2.15	1 27/32	16 3/4	9.00	11/32	4 5/8	4.80	42		
2 1/4	11 1/4	2.30	1 7/8	16 1/2	9.20	3/16	4 5/8	5.10	45		
2 1/2	11 1/2	2.45	1 23/16	16 3/4	9.35	7/8	5	5.40	48		
2 3/4	11 3/4	2.60	1 15/8	16 5/8	9.50	23/64	5 1/4	5.70	50		
3	12	2.75	1 31/32	16 3/4	9.65	15/32	5 1/4	6.00	53		
3 1/16	12 1/4	2.90	2	16 1/2	9.80	27/64	5 3/4	6.40	55		
3 1/8	12 1/2	3.00	2 1/32	16 3/4	10.20	7/16	5 3/4	6.80	59		
3 1/4	12 3/4	3.20	2 1/16	17	10.60	23/32	5 3/4	7.20	63		
3 1/2	13	3.40	2 1/8	17	11.20	15/16	5 3/4	7.50	65		
3 3/4	13 1/4	3.60	2 3/16	17	12.00	31/64	5 3/4	7.75	67		
4	13 1/2	3.80	2 1/4	17 1/2	12.80	1/2	6	8.00	70		
4 1/8	14	4.00	2 5/16	17 3/4	13.60						
4 1/4	14 1/4	4.20	2 3/8	18	14.40						
4 1/2	14 1/2	4.40	2 7/16	18 1/2	15.00						
4 3/4	14 3/4	4.50	2 1/2	19	15.60						

Drills Fitting Coe's Blacksmith Drills.

Stub's Steel Wire Gauge.

STRAIGHT SHANKS.

Diameter.	Length.	Price Each.	Diameter.	Length.	Price Each.	Numbers by Gauge.	Length in Inches.	Price per Dozen.	Price Each.
1/8	6 in.	.55	5/8	6 in.	\$ 1.05	1 to 5	4	\$ 2.35	22
3/16	6 in.	.60	11/16	6 in.	1.15	6 to 10	3 1/16	2.25	21
1/4	6 in.	.70	3/4	6 in.	1.25	11 to 15	3 1/2	2.10	20
5/16	6 in.	.75	13/16	6 in.	1.35	16 to 20	3 3/4	1.95	19
3/8	6 in.	.85	7/8	6 in.	1.45	21 to 25	3 1/8	1.75	17
7/16	6 in.	.90	15/16	6 in.	1.60	26 to 30	2 3/16	1.55	15
1/2	6 in.	.95	1	6 in.	1.80	31 to 35	2 5/8	1.40	14
9/16	6 in.	1.00	1 1/8	6 in.	2.20	36 to 40	2 7/16	1.25	12
						41 to 45	2 1/4	1.10	10
						46 to 50	2 1/16	.95	09
						51 to 65	1 3/4	.95	09

The above Drills have Shanks 2 1/4 in. long and about 1/16 in. diameter.

Drills in Sets.

- No. 1, Set Taper Shank, 1/4 to 1 in. varying by 16ths, \$ 20 00
- No. 2, Set Taper Shank, 3/8 to 1 1/2 in. varying by 16ths, 34 50
- No. 3, Set Taper Shank, 3/8 to 3 in. by 32ds, 3/8 to 1 1/2 in. by 16ths, 42 00
- No. 4, Set Taper Shank, 3/8 to 3 in. by 32ds, 3/8 to 2 in. by 16ths, 131 00
- No. 5, Set Straight Shanks, 1/16 to 1/2 in. by 64ths, mounted, 10 00
- No. 6, Set Straight Shanks, 1/16 to 1/2 in. by 32ds, mounted, 5 40
- No. 7, Set from 60 to 3 in., mounted, 9 90
- No. 8, Set Steel Wire Gauge, from No. 1 to 60, mounted, 8 10
- No. 9, Half Set, alternate Nos. from 1 to 60, mounted, 4 30
- No. 10, Jeweler's Set of 36 Drills, No. 30 (1/2 in.) to No. 65, Steel Wire Gauge, mounted in a Mahogany case with cap, 4 25
- No. 11, Set of Taper Shank, 3/8 to 2 in. by 32ds, 240 00
- No. 12, Set Machine Bits, 1/4 in. to 1/2 in., mounted, varying by 32ds, 7 00

Twist Bit Stock Drills.



For Boring both Wood and Metal.

Size,	2	3	4	5	6	7	8	9-32
Per dozen, \$	1 50	1 65	2 10	2 60	3 10	3 60	4 10	4 70

Size,	10	11	12	13	14	15	16-32
Per dozen,	\$ 5 40	6 30	7 20	8 00	8 80	9 60	10 30

Assorted in Sets.

9 Drills, 2 to 12-32 (1 each, 2, 3, 4, 5, 6, 7, 8, 10 and 12-32), per set, \$ 2 60

One dozen in a box.

Gimlets.



Nail Gimlets, metal head, per gross, \$ 4 00
 Spike Gimlets, " " 8 00

Assorted quarter gross in a box.

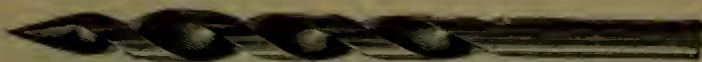
German Gimlet Bits.



Inches,	2	3	4	5	6	7	8	9	10	11	12-32
Per doz., \$	1 50	1 50	1 50	1 50	1 50	1 50	1 50	1 50	1 75	1 75	1 75

One dozen in a box.

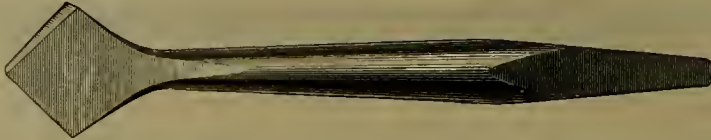
Double Cut Bits.



Nos.	0	1	2	3	4	5	6
Per dozen, \$	1 00	1 00	1 13	1 25	1 38	1 50	1 63
Assorted, Nos. 1 to 6, per dozen,							\$ 1 25

One dozen in a box.

Countersink Bits.

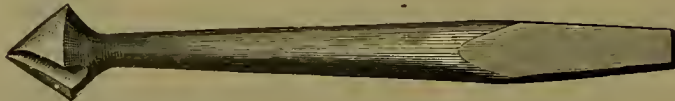


No. 6, Flat Countersinks, Cast Steel, per dozen, \$ 2 00



No. 8.

No. 8, Rose Countersinks, Cast Steel, Square Shank, per dozen, \$ 2 00



Cast Steel Snail Countersinks, Steel, per dozen, \$ 2 00



Diamond Countersink Bits, per dozen, \$ 2 25



With Gauge.

Wheeler's Countersinks, Without Gauge, per dozen, \$ 3 50
 " " With Gauge, " 5 00

All Countersinks, one dozen in a box.

Screw Driver Bits.



Plain, per dozen, \$ 1 50
 With Slot, per dozen, 2 00

Common Auger Bits.



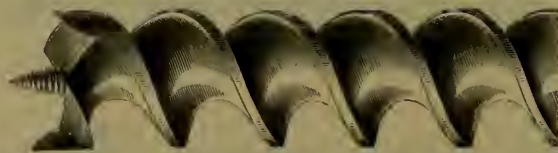
Solid Cast Steel.

Size,	3	4	5	6	7	8	9	10	11	12-16
Per dozen, \$	3 50	3 00	3 00	3 25	3 25	3 50	4 00	4 50	5 00	5 50
Size,	13	14	15	16	17	18	20	22	24-16	
Per dozen, \$	6 00	6 50	7 25	8 00	9 00	10 00	11 00	12 00	14 00	

Assorted in sets.

24 Quarters (1 each, 4, 5, 7, 9, 11, 12; and 2 of 6, 8 and 10-16ths), per set,	\$ 4 00
32½ Quarters (1 each size from 4 to 16-16ths inclusive),	5 50

Jennings' Auger Bits.



Solid Cast Steel.

Size,	3	4	5	6	7	8	9	10	11	12-16
Per dozen, \$	3 40	3 00	3 40	3 80	4 40	4 80	5 20	5 60	6 10	6 60
Size,	13	14	15	16	17	18	20	22	24	26-16
Per dozen, \$	7 20	7 80	8 40	9 00	9 60	10 20	11 40	12 60	13 80	15 00

Assorted in sets.

24 Quarters (1 each, 4, 5, 7, 9, 11, 12; and 2 each, 6, 8 and 10-16ths), per set,	\$ 4 75
32½ Quarters (1 each size from 4 to 16-16ths inclusive),	6 25
4 to 9-16, one dozen in a box; 10-16 and larger, half dozen.	

Clark's Patent Expansive Bits.

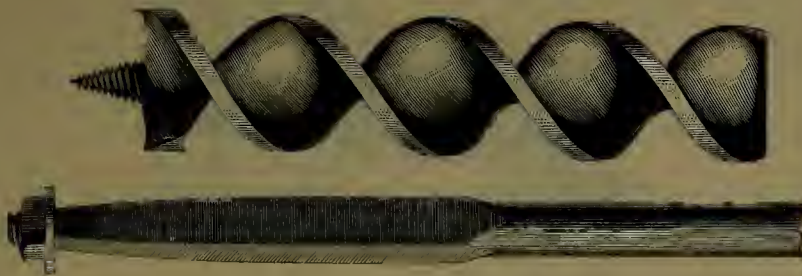


Small Size, Cutting from ½ to 1½ inch, per dozen,	\$ 18 00
Large Size, " " ¾ to 3 " " "	26 00

Extra Cutters.

For Small Bits, Nos.	1	2	For Large Bits, Nos.	3	4
Cutting	from ½ to ¾	¾ to 1½	Cutting	from ¾ to 1¾	1¾ to 3 inch.
Per dozen,	\$ 3 00	\$ 3 75	Per dozen,	\$ 5 25	6 00

Cast Steel Nut Augers.



Solid Cast Steel, Polished.

Inch,	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$
Per dozen,	\$ 5 50	6 50	8 00	8 50	9 50	10 50	11 50	14 00	17 00
Inch,	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{3}{4}$	4
Per dozen,	\$ 20 00	24 00	30 00	35 00	40 00	45 00	50 00	60 00	70 00

$\frac{1}{2}$ to 2 inch, half dozen in a box ; $2\frac{1}{4}$ and larger, one-third dozen.

L'Hommedieu's Ship Augers.



With Screw.



Without Screw.

Ship Augers, with and without Screw.

Inch,	4-8 and under,	$4\frac{1}{2}$ & 5	$5\frac{1}{2}$ & 6	$6\frac{1}{2}$ & 7	$7\frac{1}{2}$ & 8	$8\frac{1}{2}$ & 9	$9\frac{1}{2}$ & 10	$10\frac{1}{2}$ & 11-8	
Per dozen,	\$ 7 50	9 00	10 50	12 00	13 50	15 00	16 50	18 00	
Inch,	$11\frac{1}{2}$ & 12	$12\frac{1}{2}$ & 13	$13\frac{1}{2}$ & 14	$14\frac{1}{2}$ & 15	$15\frac{1}{2}$ & 16	$16\frac{1}{2}$ & 17	$17\frac{1}{2}$ & 18	$18\frac{1}{2}$ & 19	$19\frac{1}{2}$ & 20-8
Per doz.,	\$ 21 00	24 00	25 50	27 00	31 50	48 00	60 00	72 00	84 00

Extra Length, 18-inch twist, $\frac{1}{2}$ to $1\frac{1}{2}$ inch, per quarter, \$ 0 40
 Extra Length, 20-inch twist, $\frac{1}{2}$ to $1\frac{1}{2}$ inch, " 48

Millwrights' Augers.



Sizes, inch,	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{7}{8}$	$\frac{1}{2}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Per doz.,	\$ 12 00	15 00	18 00	21 00	24 00	30 00	38 50	42 00	48 00

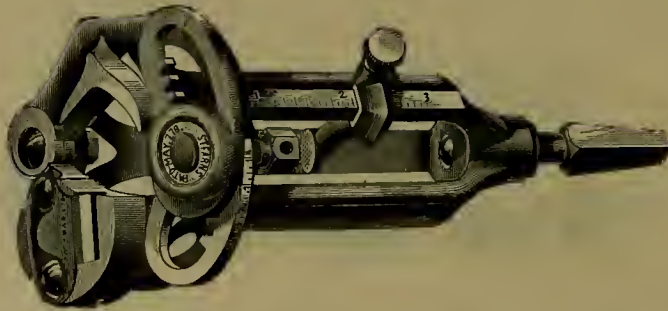
Quarter dozen in a package.

Stearns' Adjustable Hollow Augers.



No. 1, Cutting from $\frac{3}{8}$ to 1 inch, eight different sizes, per dozen,

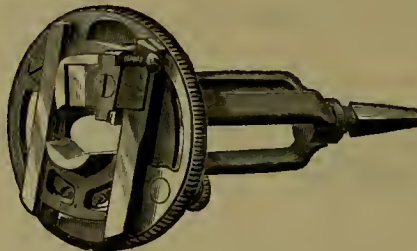
\$ 48 00



Stearns' No. 3, per dozen,

\$ 60 00

Ives' New Patent Adjustable Hollow Auger.

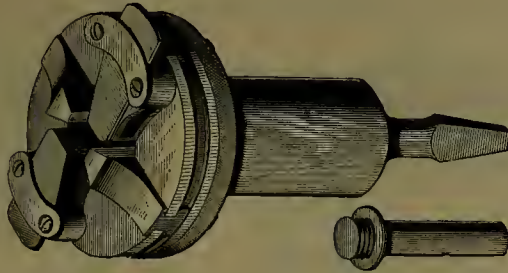


We believe this tool to be fully equal to any other similar one. It is lighter, perfectly balanced, easily adjusted *without wrench or screw-driver*, and has *two cutters*, which gives it an advantage over all others.

Without Bits, per dozen,

\$ 54 00

Improved Universal Hollow Auger.

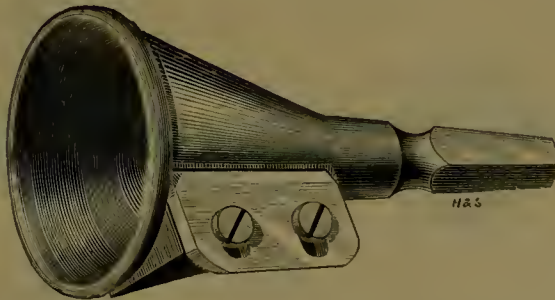


It secures all the efficiency, and avoids all the complications of the tools made for this purpose heretofore.

It will answer the purpose of a full set of eight or ten Hollow Augers.

Without Bits, with Improved Extension Cutters, per dozen, \$ 60 00

Patent Spoke Pointers.



Cutting to $\frac{3}{4}$ inch, each, per dozen,	\$ 6 00
" 2 " " " "	9 00
" 3 " " " "	15 00

Ives' Hollow Augers.



Old Pattern.



New Pattern

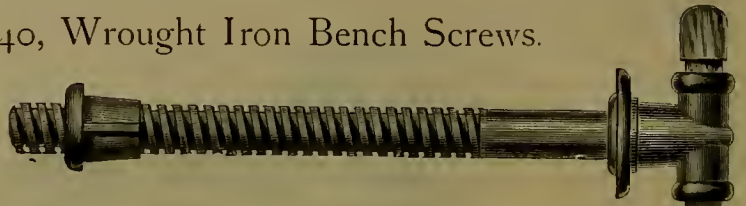
With Ives' Patent Bits.

Old Pattern and New Pattern are the same list.

Inch,	$\frac{20}{64}$	$\frac{1}{2}$	$\frac{25}{64}$	$\frac{3}{8}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$
Per dozen,	\$ 12 00	12 00	14 00	14 00	16 00	16 00	20 00	20 00

One-sixth dozen in a box.

No. 40, Wrought Iron Bench Screws.

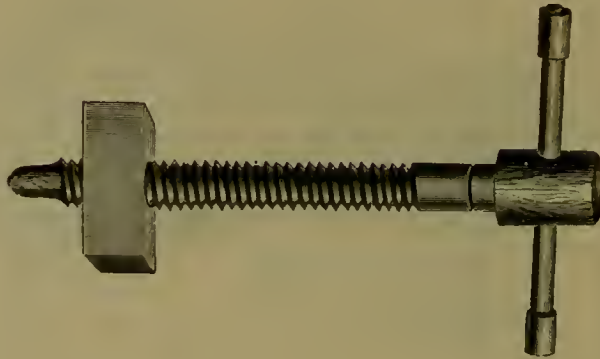


Movable Collar, Double Thread, Wood Handle.

Inch,	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$
Per dozen,	\$ 9 50	10 40	12 80	24 00

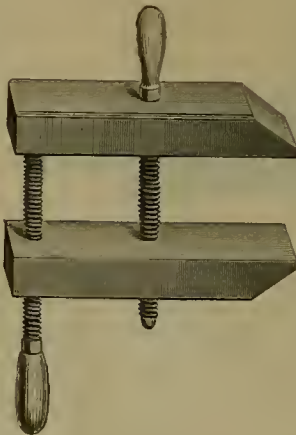
1, 1 $\frac{1}{8}$ and 1 $\frac{1}{4}$ inch, are packed one dozen in a case; 1 $\frac{1}{2}$ inch, half dozen. No charge for cases when ordered in original packages.

Wood Bench and Tail Screws.



2 inch, per dozen,		\$ 5 00
2 $\frac{1}{4}$ " " "		5 50
2 $\frac{1}{2}$ " " "		6 00

Hickory Hand Screws.



Diam. of Screws.	Length of Screws.	Length of Jaws.	Size of Jaws.	Per doz.
$\frac{1}{2}$ inch	10 inch	8 inch	1 $\frac{1}{4}$ x1 $\frac{1}{4}$ inch	\$ 3 25
$\frac{5}{8}$ "	10 "	8 $\frac{1}{2}$ "	1 $\frac{3}{8}$ x1 $\frac{3}{8}$ "	3 50
$\frac{3}{4}$ "	12 "	10 "	1 $\frac{5}{8}$ x1 $\frac{5}{8}$ "	4 25
$\frac{7}{8}$ "	16 "	14 "	2 x 2 "	5 75
1 "	18 "	16 "	2 $\frac{3}{8}$ x2 $\frac{3}{8}$ "	7 50
1 $\frac{1}{8}$ "	20 "	18 "	2 $\frac{5}{8}$ x2 $\frac{5}{8}$ "	9 50
1 $\frac{1}{4}$ "	24 "	20 "	2 $\frac{7}{8}$ x2 $\frac{7}{8}$ "	11 50

T Bevels and Try Squares.



T Bevel.

Try Square.

NO. 2, SLIDING T BEVELS.

Rosewood Handle, Brass Thumb Screw and Tips.

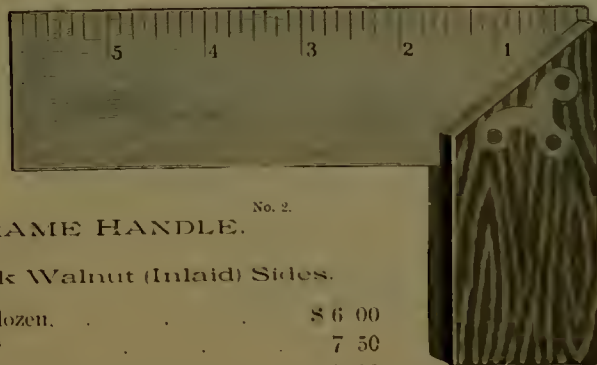
Inch,	6	8	10	12	14
Per dozen, \$	5 50	6 00	6 50	7 00	7 50

NO. 2, TRY SQUARES.

Graduated Blade, Rosewood Handle, Brass Face.

Inch,	4½	6	7½	9	10	12	15
Per dozen, \$	3 75	5 00	5 75	6 50	7 50	8 50	12 50

Winterbottom's Patent Combined Try and Mitre Squares.



No. 2.

NO. 1, IRON FRAME HANDLE.

Graduated Blade, Black Walnut (Inlaid) Sides.

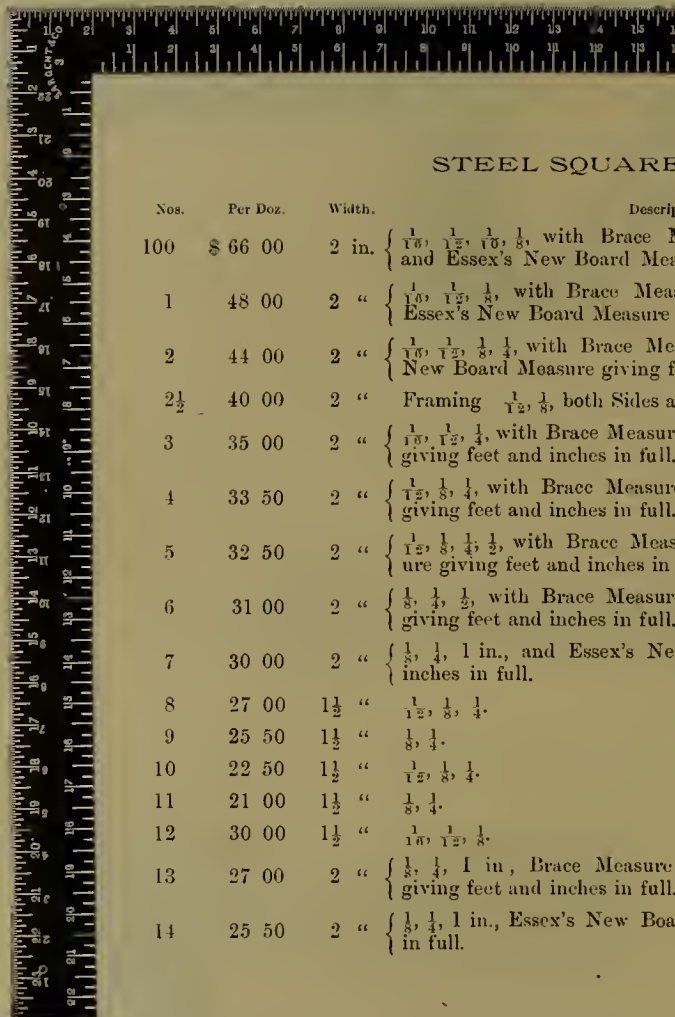
4 inch, Graduated Steel Blade, per dozen.	\$ 6 00
6 " " " " " "	7 50
8 " " " " " "	9 00

No. 2, Rosewood Handle, Graduated Steel Blade.

Inch,	4½	6	7½	9
Per dozen.	\$ 4 00	5 00	6 00	7 00

All the above, half dozen in a box.

Squares.



STEEL SQUARES.

Nos.	Per Doz.	Width.	Description.
100	\$ 66 00	2 in.	{ $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$, with Brace Measure, 8 square and $\frac{1}{100}$ scale, and Essex's New Board Measure giving feet and inches in full.
1	48 00	2 "	{ $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, with Brace Measure, 8 square and $\frac{1}{100}$ scale, and Essex's New Board Measure giving feet and inches in full.
2	44 00	2 "	{ $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, with Brace Measure, 8 square scale, and Essex's New Board Measure giving feet and inches in full.
2½	40 00	2 "	Framing $\frac{1}{2}$, $\frac{3}{8}$, both Sides and Edges.
3	35 00	2 "	{ $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, with Brace Measure and Essex's New Board Measure giving feet and inches in full.
4	33 50	2 "	{ $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, with Brace Measure and Essex's New Board Measure giving feet and inches in full.
5	32 50	2 "	{ $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$, with Brace Measure, and Essex's New Board Measure giving feet and inches in full.
6	31 00	2 "	{ $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$, with Brace Measure, and Essex's New Board Measure giving feet and inches in full.
7	30 00	2 "	{ $\frac{1}{8}$, $\frac{1}{4}$, 1 in., and Essex's New Board Measure giving feet and inches in full.
8	27 00	1½ "	$\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$.
9	25 50	1½ "	$\frac{1}{8}$, $\frac{1}{4}$.
10	22 50	1½ "	$\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$.
11	21 00	1½ "	$\frac{1}{8}$, $\frac{1}{4}$.
12	30 00	1½ "	$\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$.
13	27 00	2 "	{ $\frac{1}{8}$, $\frac{1}{4}$, 1 in., Brace Measure and Essex's New Board Measure giving feet and inches in full.
14	25 50	2 "	{ $\frac{1}{8}$, $\frac{1}{4}$, 1 in., Essex's New Board Measure giving feet and inches in full.

IRON SQUARES.

Nos.	Per Doz.	Width.	Marked.
21	\$ 6 00	1½ inch.	Iron Square, Marked in $\frac{1}{8}$ ths on one side.
22	10 00	1½ "	" " " " " on both sides,
24	14 00	2 "	" " " " " " " "

NICKEL-PLATED STEEL SQUARES.

No.	Per Doz.	Width.	Marked.
200	\$74 00	2 inch.	{ $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$ with Brace Measure, 8 square and $\frac{1}{100}$ scale, and Essex's New Board Measure giving feet and inches in full.

Planes.



Jointer.

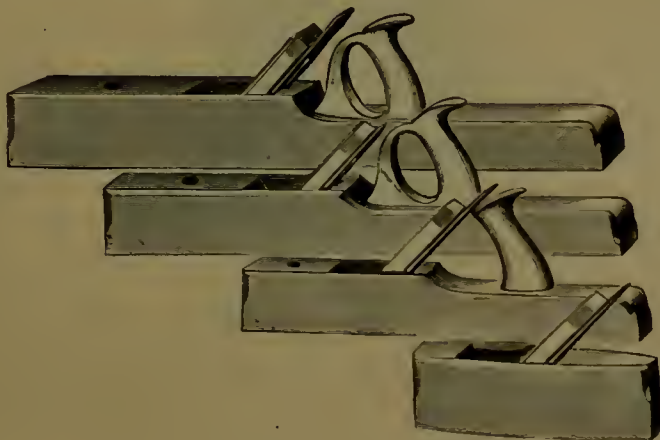
Fore.

Jack.

Smooth.

Smooth Planes, double irons, 1 $\frac{3}{4}$, 2, 2 $\frac{1}{4}$ inch, each,	\$ 0 90
Jack Planes, double irons, 2, 2 $\frac{1}{8}$, 2 $\frac{1}{4}$ inch, each,	1 00
Fore Plane or Short Jointer, double iron, 2 $\frac{3}{8}$, 2 $\frac{1}{2}$, 2 $\frac{5}{8}$ inch, each,	1 40
Long Jointer, 26 inches, double iron, 2 $\frac{1}{2}$, 2 $\frac{5}{8}$, 2 $\frac{3}{4}$ inch, each,	1 50
" 28 " " 2 $\frac{1}{2}$, 2 $\frac{5}{8}$, 2 $\frac{3}{4}$ "	1 60
" 30 " " 2 $\frac{1}{2}$, 2 $\frac{5}{8}$, 2 $\frac{3}{4}$ "	1 75

Ship Planes, per Set of Four.



Prime Timber, Polished Start.

Smooth, double iron, 9 inches long, 1 $\frac{3}{4}$ to 2 inch iron,	\$ 1 00
Jack, " 16 " Raze, 1 $\frac{3}{4}$ to 2 $\frac{1}{4}$ inch iron,	1 20
Fore, " 22 " " 2 to 2 $\frac{1}{4}$ "	1 60
Jointer, " 26 " " 2 $\frac{1}{4}$ to 2 $\frac{1}{2}$ "	1 80

Molding Planes—*Continued.*



Match Planes.

Match Planes, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$ and 1 inch, one Block, Double, each,	\$ 1 25
“ Plated to 1 “ “ “	1 50
“ to $1\frac{1}{4}$ “ per pair,	1 25
“ Plated to $1\frac{1}{4}$ “ “	1 50
“ with Handle, to $1\frac{1}{4}$ inch, per pair,	2 00
“ Plated “ to $1\frac{1}{4}$ “ “	2 25

Hollows and Rounds.



Nos.	2	4	6	8	10	12 per pair,	\$ 0 75
Works,	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$ inches circle.	
Nos.				14	16	18 per pair,	0 90
Works,				$1\frac{1}{4}$	2	$2\frac{1}{4}$ inches circle.	
Nos.				20	22	24 per pair,	1 10
Works,				$2\frac{1}{2}$	3	$3\frac{1}{2}$ inches circle.	
Half Set of 9 pairs, No. 2 to 18 inclusive, per half set,							7 20

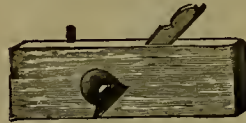
Molding Planes—*Continued.*



Dado Planes.

Dado,	$\frac{1}{8}$,	$\frac{3}{16}$,	$\frac{1}{4}$,	$\frac{5}{16}$,	$\frac{3}{8}$,	$\frac{1}{2}$,	$\frac{5}{8}$,	$\frac{3}{4}$,	$\frac{7}{8}$,	1 inch, each,	\$ 0 75
“ with Wood Stop,	$\frac{1}{8}$,	$\frac{3}{16}$,	$\frac{1}{4}$,	$\frac{5}{16}$,	$\frac{3}{8}$,	$\frac{1}{2}$,	$\frac{5}{8}$,	$\frac{3}{4}$,	$\frac{7}{8}$,	1 “ “	1 00
“ with Brass Side Stop,	$\frac{1}{8}$,	$\frac{3}{16}$,	$\frac{1}{4}$,	$\frac{5}{16}$,	$\frac{3}{8}$,	$\frac{1}{2}$,	$\frac{5}{8}$,	$\frac{3}{4}$,	$\frac{7}{8}$,	1 “ “	1 10
“ with Screw Stop,	$\frac{1}{8}$,	$\frac{3}{16}$,	$\frac{1}{4}$,	$\frac{5}{16}$,	$\frac{3}{8}$,	$\frac{1}{2}$,	$\frac{5}{8}$,	$\frac{3}{4}$,	$\frac{7}{8}$,	1 “ “	1 50
Solid Handle, extra,											1 00

Rabbet Planes.



Inches,	$\frac{1}{2}$ to 1	$1\frac{1}{8}$ and $1\frac{1}{4}$	$1\frac{3}{8}$ and $1\frac{1}{2}$	$1\frac{5}{8}$ and $1\frac{3}{4}$	$1\frac{7}{8}$ and 2	2 and $2\frac{1}{4}$
Each,	\$ 0 60	0 65	0 70	0 80	0 90	1 00

With Cutter, add to List Prices, each \$ 0 45. Skew Rabbets will be sent unless Square are ordered.

Side Rabbets, per pair,	\$ 1 25
Handled Rabbet Planes, add to List Prices, per pair,	0 50

Step Nosings.



$1\frac{1}{4}$ inches, 2 Irons, each,	\$ 1 10
$1\frac{1}{4}$ inches, 2 Irons, Handled, each,	1 50
$1\frac{1}{2}$ inches, 2 Irons, each,	1 20

Coves.

$\frac{3}{8}$ to $\frac{1}{2}$ inch, each,	\$ 0 50	$\frac{5}{8}$ to 1 inch, each,	\$ 0 65
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Scotias, or Quarter Rounds.

$\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$ inch, each,	\$ 0 50	$\frac{3}{4}$, $\frac{7}{8}$, 1 inch, each,	\$ 0 65
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Molding Planes--*Continued.*



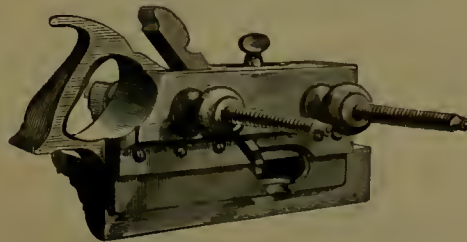
Filletsters.

Brass Side Stop, 1½ inches, each,	\$ 1 25
Brass Side Stop, with Cutter, 1½ inches, each,	1 40
Brass Side Stop, with Cutter, Single Boxed, 1½ inches, each,	1 55
Brass Side Stop, with Cutter, Boxed, 1½ inches, each,	1 85
Brass Screw Stop, with Cutter, Boxed, 1½ inches, each,	2 50
Brass Screw Stop, with Cutter, Boxed, Handled, 1½ inches, each,	3 75
Brass Screw Stop, with Cutter, Boxed, Screw Arms, 1½ inches, each,	4 00
Brass Screw Stop, with Cutter, Boxed, Screw Arms, Handled, 1½ inches, each	4 50

Panel Plows.

WITHOUT HANDLES—S IRONS.

No. 117, Beech, Screw Arms, Screw Stop, Single Plate, each,	\$ 4 50
No. 121, Beech, Boxwood Screw Arms, Screw Stop, Mounted Plate, each,	5 25
No. 122, Beech, Boxwood Screw Arms, Screw Stop, Mounted Plate, Box Fence, each,	5 60



WITH SOLID HANDLES—S IRONS.

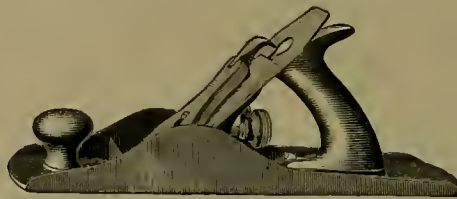
No. 119, Beech, Screw Arms, Screw Stop, Single Plate, each,	\$ 5 50
No. 123, Beech, Boxwood Screw Arms, Screw Stop, Mounted Plate, each,	6 75
No. 127, Beech, Boxwood Screw Arms, Screw Stop, Mounted Plate, Box Fence, each,	7 00
No. 132, Boxwood, Boxwood Screw Arms, Screw Stop, Mounted Plate, each,	9 00
No. 133, Rosewood, Boxwood Screw Arms, Screw Stop, Mounted Plate, each,	9 00

Bailey's Patent Adjustable Planes.

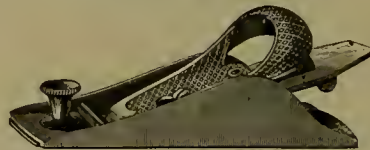
Iron Planes.



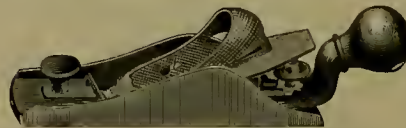
- No. 1, Smooth Plane, 5½ inches in Length, 1¼ inch Cutter, each, \$ 2 25
- No. 2, Smooth Plane, 7 inches in Length, 1½ inch Cutter, each, 2 75
- No. 3, Smooth Plane, 8 inches in Length, 1¾ inch Cutter, each, 3 00
- No. 4, Smooth Plane, 9 inches in Length, 2 inch Cutter, each, 3 25



- No. 5, Jack Plane, 14 inches in Length, 2 inch Cutter, each, \$ 3 75
- No. 6, Fore Plane, 18 inches in Length, 2¾ inch Cutter, each, 4 75
- No. 7, Jointer Plane, 22 inches in Length, 2¾ inch Cutter, each, 5 50
- No. 8, Jointer Plane, 24 inches in Length, 2¾ inch Cutter, each, 6 50



- No. 9½, Excelsior Block Plane, 6 inches in Length, 1¼ inch Cutter, each, \$ 1 50



- No. 9¾, Excelsior Block Plane, Rosewood Handle, 6 inches in Length, 1¾ inch Cutter, each, \$ 1 75



- No. 102, Block Plane, 5½ inches in Length, 1¼ inch Cutter, each, \$ 0 40
- No. 103, Block Plane, Adjustable, 5½ inches in Length, 1¼ inch Cutter, each, 60
- CUTTERS for above Block Planes, warranted Cast Steel, per dozen, 1 50

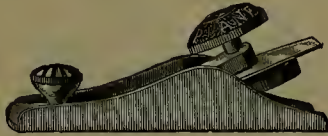


- No. 110, Block Plane, 7½ inches in Length, 1¼ inch Cutter, each, \$ 0 60
- No. 120, Block Plane, Adjustable, 7½ inches in Length, 1¾ inch Cutter, each, 85

Bailey's Iron Planes—*Continued.*



- | | |
|---|---------|
| No. 0, Block Plane, 7 inches in length, 1 $\frac{3}{4}$ inch Cutter, Japanned Finish, each, | \$ 0 70 |
| No. 0 $\frac{1}{2}$, Block Plane, 7 inches in length, 1 $\frac{3}{4}$ inch Cutter, Japanned Finish, with Adjustment, each, | 1 00 |



- | | |
|---|---------|
| No. 1, Block Plane, Adjustable Mouth and Cutter, 6 inches in length, 1 $\frac{3}{4}$ inch Cutter, Polished Trimmings, each, | \$ 1 50 |
|---|---------|

Improved Adjustable Circular Plane.



- | | |
|--|---------|
| No. 113, Adjustable Circular Plane, 1 $\frac{3}{4}$ inch Cutter, each, | \$ 4 00 |
|--|---------|

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. The Knob is attached to a double-acting screw, which moves two levers properly connected by gears, thus controlling accurately both ends of the flexible face. By the peculiar construction of the Plane, a smaller arc, either concave or convex, can be obtained by this Plane than any other similar tool.

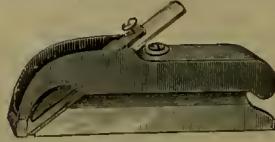


- | | |
|--|---------|
| No. 13, Circular Plane, 1 $\frac{3}{4}$ inch Cutter, each, | \$ 4 00 |
|--|---------|

This Plane has a Flexible Steel Face, and by means of the thumb screws at each end of the Stock can be easily adapted to plane circular work—either concave or convex.

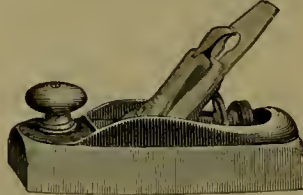
Bailey's Planes—*Continued.*

Bull-nose Rabbet Plane.



No. 75, Iron Stock, 4 inches in length, 1 inch Cutter, each, \$ 0 50

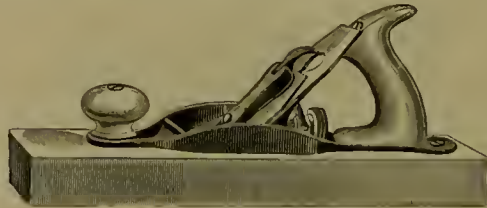
Wood Planes.



No. 21, Smooth Plane, 7 inches in Length, $1\frac{1}{4}$ inch Cutter, each, \$ 2 00
 No. 22, Smooth Plane, 8 inches in Length, 1 inch Cutter, each, 2 00
 No. 23, Smooth Plane, 9 inches in Length, $1\frac{1}{2}$ inch Cutter, each, 2 00
 No. 24, Smooth Plane, 8 inches in Length, 2 inch Cutter, each, 2 00
 No. 25, Block Plane, $9\frac{1}{2}$ inches in Length, $1\frac{3}{4}$ inch Cutter, each, 2 00



No. 35, Handle Smooth, 9 inches in Length, 2 inch Cutter, each, \$ 2 50
 No. 36, Handle Smooth, 10 inches in Length, $2\frac{3}{8}$ inch Cutter, each, 2 75
 No. 37, Jenny Smooth, 13 inches in Length, $2\frac{3}{8}$ inch Cutter, each, 3 00



No. 26, Jack Plane, 15 inches in Length, 2 inch Cutter, each, \$ 2 25
 No. 27, Jack Plane, 15 inches in Length, $2\frac{1}{4}$ inch Cutter, each, 2 50
 No. 28, Fore Plane, 18 inches in Length, 2 inch Cutter, each, 2 75
 No. 29, Fore Plane, 20 inches in Length, $2\frac{3}{8}$ inch Cutter, each, 2 75
 No. 30, Jointer Plane, 22 inches in Length, $2\frac{3}{8}$ inch Cutter, each, 3 00
 No. 31, Jointer Plane, 24 inches in Length, $2\frac{3}{8}$ inch Cutter, each, 3 00
 No. 32, Jointer Plane, 26 inches in Length, 2 inch Cutter, each, 3 25
 No. 33, Jointer Plane, 28 inches in Length, 2 inch Cutter, each, 3 25
 No. 34, Jointer Plane, 30 inches in Length, $2\frac{3}{8}$ inch Cutter, each, 3 50

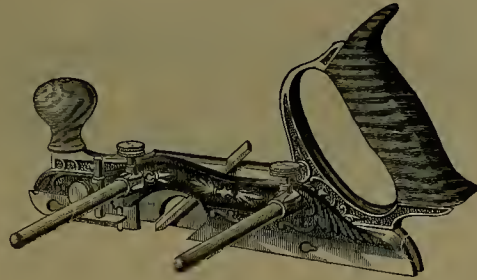
Extra Plane-woods of every style, can be supplied cheaply.

BAILEY'S PLANE IRONS.

Inch,	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{2}$	$2\frac{3}{8}$	
Single Irons,	\$ 0 20	25	28	30	33	37	40
Double Irons,	40	45	50	55	60	65	70

Orders for Plane Irons should designate the No. of the Planes for which they are wanted.

Traut's Patent Adjustable Dado, Filletster, Plow, Etc.



The Tool here represented consists of two Sections: A main stock, with two bars or arms; and a sliding section, having its bottom, or face, level with that of the main stock.

It can be used as a Dado of any required width, by inserting the bit into the main stock and bringing the sliding section snugly up to the edge of the bit. The two spurs, one on each section of the Plane, will thus be brought exactly in front of the edges of the bit. The gauge on the sliding section will regulate the depth to which the tool will cut.

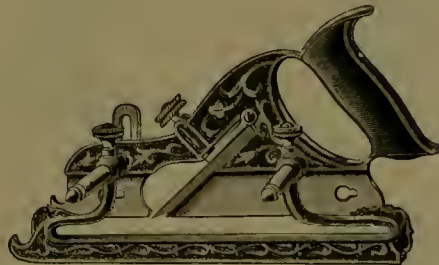


The Tool is accompanied by eight Plow-bits ($\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and $1\frac{1}{2}$ inch), a Filletster Cutter, a Slitting-tool and a Tonguing-tool. All these tools are secured in the main stock on a skew.

PRICE, INCLUDING PLOW BITS, SLITTING AND TONGUING TOOLS.

No. 46, Iron Stock and Fence, each, \$ 7 00

Miller's Patent Combined Plow, Filletster, and Matching Plane.



This Tool embraces, in a most ingenious and successful combination, the common Carpenter's Plow, an adjustable Filletster and a perfect Matching Plane. The entire assortment can be kept in smaller space or made more portable than an ordinary Carpenter's Plow.

The above engraving represents the stock of the Tool, adjusted for use as a Plow. With each plow eight bits ($\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ inch) are furnished; also a Tonguing Tool ($\frac{1}{4}$ inch), and by use of the latter, together with the $\frac{1}{4}$ -inch Plow Bit for grooving, a perfect Matching Plane is made.

Combined Plow, Filletster and Matching Plane.

Including Plow Bits, Tonguing and Grooving Tools.

No. 41, Iron Stock and Fence, each, \$ 9 00

No. 42, Gun Metal Stock and Fence, each, 12 00

Combined Plow and Matching Plane.

Including Plow Bits, Tonguing and Grooving Tools.

No. 43, Iron Stock and Fence, each, \$ 7 00

No. 44, Gun Metal Stock and Fence, each, 10 00

Plane Irons.



Double Irons.

Single Irons, and Cut Irons.

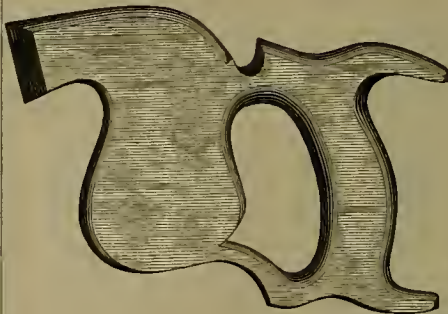
Inch,	1½	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½	2⅝	2¾	3
Per doz.,	\$ 3 19	3 19	3 28	3 57	3 75	3 94	4 50	4 97	5 25	5 91	6 57	8 25

Double Irons.

Inch,	1½	1⅝	1¾	1⅞	2	2⅛	2¼	2⅜	2½	2⅝	2¾	3
Per doz.,	\$ 6 09	6 09	6 28	6 66	6 94	7 22	7 97	8 72	9 28	10 13	10 97	13 78

Single and Cut Irons, one dozen in a package ; Double, half dozen.

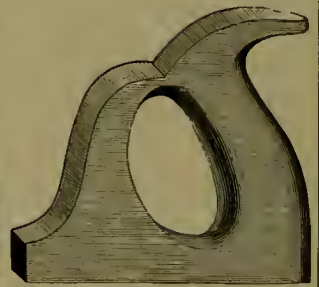
Saw and Plane Handles.



Saw Handle.



Jack Plane Handle, No. 10.



Jointer Handle, No. 12.

Saw Handles.

No. 2, Plain Beech, per dozen,	\$ 1 25
No. 3, Polished and Varnished, per dozen,	1 50
No. 18, Polished and Varnished, for Panel Saws, per dozen,	1 50
No. 25, Extra Polished and Varnished, per dozen,	2 00
One Man Cross-cut, per dozen,	4 00

One dozen in a package.

Plane Handles.

No. 10, Jack Plane Handles, per dozen,	\$ 0 75
No. 12, Jointer Plane Handles, per dozen,	1 25

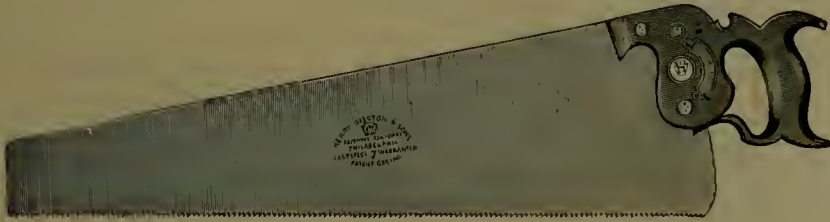
One dozen in a package.

Disston's Saws.



Gentlemen's Cast Steel Panel.

No. 7, DISSTON & SONS' Cast Steel, warranted, Beech Handle, Polished Edge, Grained Blade, and Etched, per dozen, 14 in., \$12.00; 16 in., \$13.00; 18 in., \$14.00; 20 in., \$16.00; 22 in., \$18.00; 24 in., \$19.00.



Hand and Rip.

No. 7, DISSTON & SONS' Cast Steel, warranted, Beech Handle, Polished Edge, 4 improved Screws, Grained Blade, and Etched, per dozen, 26 in., \$20.00; 28 in., \$23.50.

No. 8, DISSTON & SONS' Spring Steel, warranted, Apple Handle, Polished Edge, 4 improved Screws, Grained Blade, and Etched, per dozen, 26 in., \$21.50; 28 in., \$25.00.

No. 9, DISSTON & SONS' Extra London Spring Steel, warranted, Apple Handle, Polished Edge, 4 improved Screws, Grained Blade, and Etched, per dozen, 26 in., \$25.00; 28 in., \$29.00.



No. 12, DISSTON & SONS' EXTRA REFINED LONDON SPRING, Selected and Highly Polished Blade, Handle Carved and Polished, 4 Raised Brass Screws, and Steel Washers--the finest Hand Saw Manufactured, per dozen, 26 in., \$33.00; 28 in., \$38.00.

The above in one-third dozen boxes.

Disston's Skew Back Saws.



D-8 Hand Saw.

This Saw has all the latest improvements in Hand Saws, and is warranted superior to all others.

It combines the popular "Skew Back," the peculiar shaped Butt or Heel, which, with the new screws, makes it almost impossible to work loose from the handle, and gives the full sweep of the saw without a possibility of catching in the work.

All the above features are patented.

Per dozen, 26 in., \$22.50 ; 28 in., \$26.00.



No. 0, "FARMER'S PET," Cast Steel, Beech Handle, Polished Edges, 3 Brass Screws, one Embossed, 26 in., per dozen, \$8.50

"ROYAL MAKE," Beech Handle, Steel Blade, 26 in., per dozen, \$12.00.

"CAROLAN, CORY & Co.," Beech Handle, London Spring Steel, 26 in., each Blade warranted, per dozen, \$15.00.

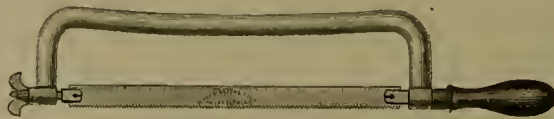


ENTERPRISE COMBINATION SAW, Beech Handle, Polished Edge, 3 Plain Screws, set and sharpened, 24 in. Etched Rule, 26 in. Saw, per dozen, \$9.00.

Disston's Hack Saw Blades.

Per dozen, 6 in., \$1.90 ; 7 in., \$2.35 ; 8 in., \$2.80 ; 9 in., \$3.25 ; 10 in., \$3.75 ; 11 in., \$4.25 ; 12 in., \$4.75 ; 13 in., \$5.25 ; 14 in., \$5.75 ; 16 in., \$6.75.

Improved Reversible Framed Hack Saws.



Per dozen, 8 in., \$14.00 ; 9 in., \$14.50 ; 10 in., \$15.00 ; 11 in., \$15.50 ; 12 in., \$16.00 ; 14 in., \$17.00 ; 16 in., \$18.00.

Henry Disston & Sons' Cast Steel Back Saws.



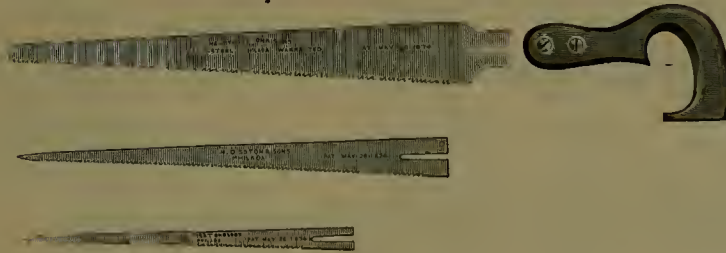
No. 4, Disston & Sons' Apple Handle, Polished Edge, Blue Back, per dozen, 8 in., \$13.00; 10 in., \$14.00; 12 in., \$16.00; 14 in., \$18.00; 16 in., \$20.00; 18 in., \$22.00.

Cast Steel Compass Saws.



Apple Handle, per dozen, 10 in., \$4.25; 12 in., \$4.50; 14 in., \$4.75; 16 in., \$5.00; 18 in., \$5.25.

Nest of Saws.



Combining one each Keyhole, Compass, and Table or Pruning Saw.

Handles and Screws, per dozen,	\$ 2 50
Keyhole Blades, per dozen,	1 50
Compass Blades, per dozen,	3 00
Pruning Blades, per dozen,	5 00

In boxes, three sets in a box.

\$ 12 00

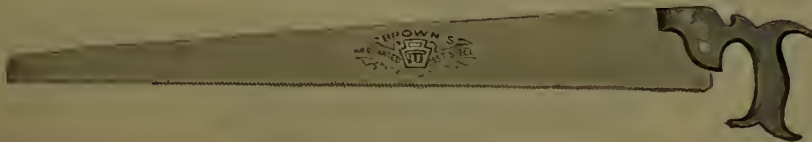
Keyhole Saw and Pad.



Keyhole Saw, \$1.25, Handle, \$1.25, complete, per dozen, \$ 2 50

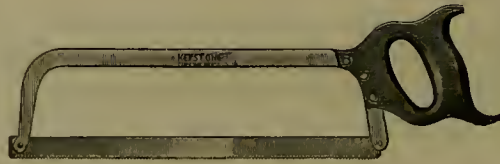
In one dozen boxes.

Cast Steel Table and Pruning Saws.

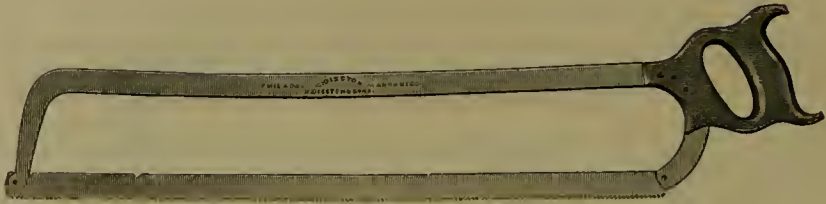


No. 3, Brown, Beech Handle, Polished Edge, 4 Rivets, Grained Blade, and Etched, per dozen, 12 in., \$6.00; 14 in., \$6.50; 16 in., \$7.25; 18 in., \$8.25; 20 in., \$9.00.

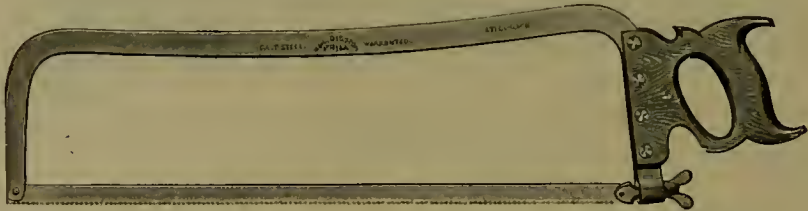
Butcher Saws.



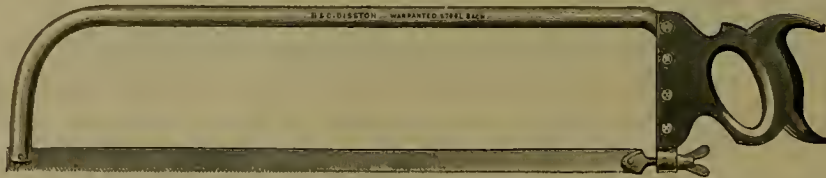
Keystone Kitchen, per dozen,
 "Cooks Friend," per dozen,



No. 2, Flat Back, per dozen, 16 in., \$12.50; 18 in., \$13.25; 20 in., \$14.00; 22 in., \$14.75; 24 in., \$15.50.



No. 5, California Flat Steel Back, Clock Spring Blued Blade, per dozen, 18 in., \$28.00; 20 in., \$29.00; 22 in., \$30.00; 24 in., \$31.00.



No. 6, California Oval Steel Back, per dozen, 16 in., \$20.00; 18 in., \$21.00; 20 in., \$22.00; 22 in., \$23.00; 24 in., \$24.00.

Butcher's Saw Blades.

Blades to 1 1/2 in. wide, inclusive, per dozen, 12 in., \$4.50; 14 in., \$4.75; 16 in., \$5.00; 18 in., \$5.25; 20 in., \$5.50; 22 in., \$5.75; 24 in., \$6.00.

Blades, to from 1 1/4 to 2 in. wide, inclusive, per dozen, 16 in., \$6.00; 18 in., \$6.25; 20 in., \$6.50; 22 in., \$6.75; 24 in., \$7.00.

Clock Spring Blued Blades, per dozen, 22 in., \$6.75; 24 in., \$7.00.



Cast Steel Saw Knives, per dozen,

\$ 5 25

Saw Knives in one dozen boxes.

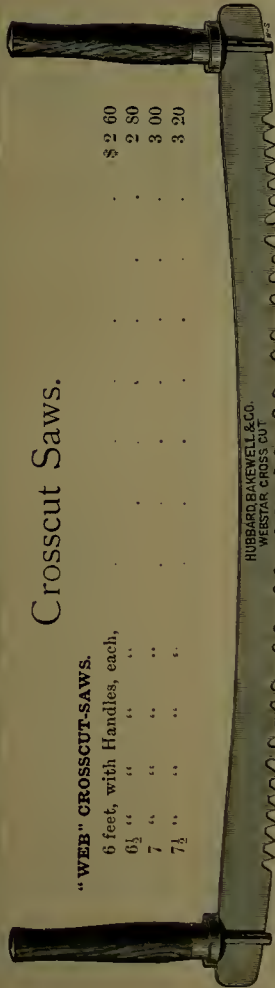
HENRY DISSTON & SONS' ONE MAN CROSSCUT-SAWS.

Price, \$
 3 feet. 2 75
 " 3 1/2 feet. 3 00
 " 3 ft. 8 in. 3 20
 " 4 feet. 3 50



Price, \$
 4 1/2 feet. 4 00
 " 5 feet. 4 50
 " 5 1/2 feet. 5 00
 " 6 feet. 5 50

Crosscut Saws.



"WEB" CROSSCUT-SAWS.
 6 feet, with Handles, each, \$ 2 60
 6 1/2 " " " " " 2 80
 7 " " " " " 3 00
 7 1/2 " " " " " 3 20

WOODROUGH & McFARLIN'S Warranted, Extra Quality, "Thin Back," Diamond Tooth CROSSCUT-SAW. GROUND FIVE GAUGES, THIN ON BACK.

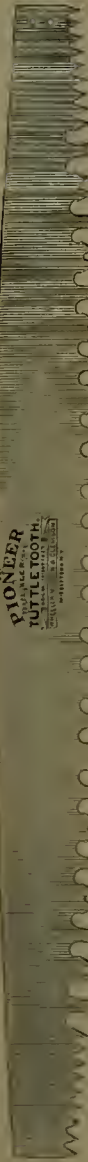


For the protection of the Saws in transportation, each Saw is carefully wrapped in strong hardware paper, and the teeth protected by a grooved wooden strip or guard, securely fastened over the points. Price, including Gauge File and Tooth Guard, per foot, 75 Cents.

WHEELER, MADDEN & CLEWSON SAWS.

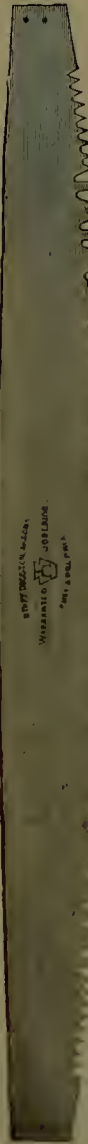


Champion, per foot, 50 Cents.



"Pioneer," Tuttle Tooth, per foot, 50 Cents. "Puget Sound," per foot, 60 Cents.

DISSTON'S SAWS.

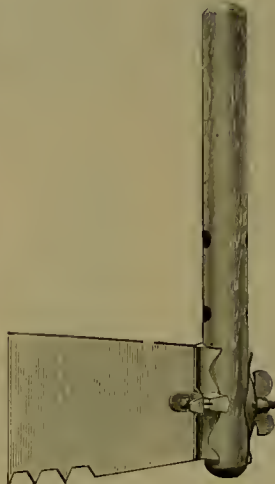


Champion, per foot 50 Cents. Tuttle Tooth, per dozen, 50 Cents. (Crosscut-saws 7 1/2 feet and over, 10 cents per foot extra, flat.)

Crosscut Saw Handles.



No. 7.



Climax Crosscut Handles.



No. 5.



Supplementary Handles.

Supplementary Handles for Tops of One Man Saws, per dozen,	\$ 2 88
No. 5, For Crosscut-saws, per pair,	0 75
No. 7, For Crosscut-saws, per pair,	0 75
Climax, For Crosscut-saws, per pair,	0 75

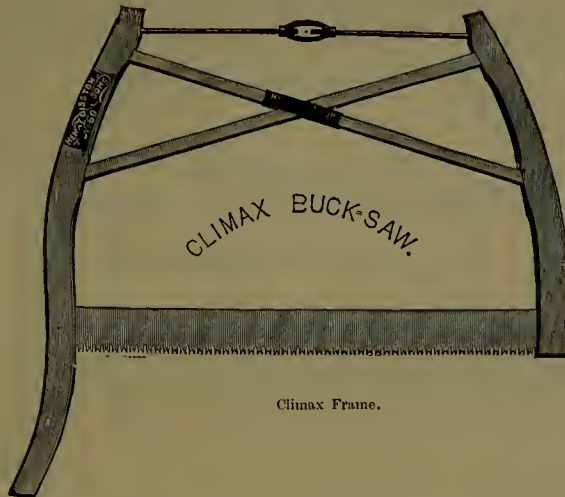
Saw Screws.



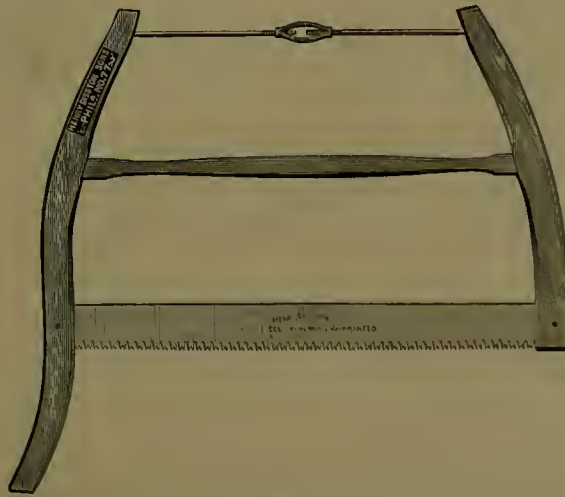
No. 1, Brass Flush, per gross,	\$ 2 25
No. 2, Brass Flush, per gross,	3 00
No. 3, Small Eagle, per gross,	4 50
No. 4, Large,	5 25

Saw Screws in half gross boxes.

Buck Saws.



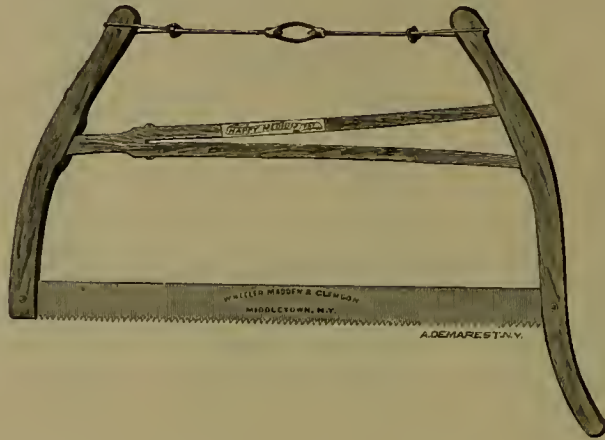
Climax Frame.



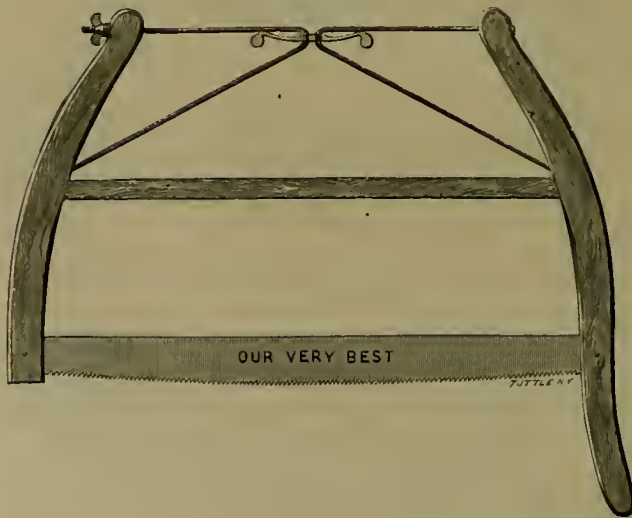
No. 6.

Disston's Climax Frame, Complete, with No. 77 Blades, per dozen,	\$ 14 00
Disston's Climax Frame, Complete, with No. 6 Blades, "	13 50
Disston's Climax Frame, Complete, with Jackson's Blades, per dozen,	11 50
Common Frames, No. 6, Complete, with Jackson's Blades, per dozen,	8 00
Common Frames, No. 6, Complete, with No. 6 Blades, per dozen,	10 00
Common Frames, No. 6, Complete, with No. 77 Blades, per dozen.	10 50
Climax Frames, with Rods, without Blades, per dozen,	7 50
No. 6. Frames, with Rods, without Blades, per dozen.	4 00

Buck Saws—*Continued.*



"HAPPY MEDIUM," Complete, with Blade, per dozen, \$ 12 00



"OUR VERY BEST," Complete, with Blade, per dozen, \$ 15 00

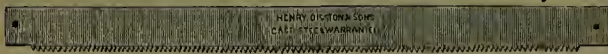
Cast Steel Wood Saw Blades.



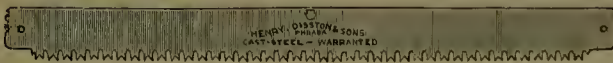
No. 4, JACKSON, Set and Sharpened, 30 inches, per dozen, \$ 4 00

The above in one dozen bundles.

Patent Ground and Tempered Cast Steel Wood Saw Blades.



No. 6, DISSTON & SONS' C. S., Set and Sharpened, 30 inches, per dozen, \$ 6 00



No. 77, DISSTON'S IMPROVED WOOD SAW BLADES, Set and Sharpened, the fastest cutting
Wood Saw in the Market ; 30 inches, per dozen, \$ 6 50

Straight Swivel Rod.



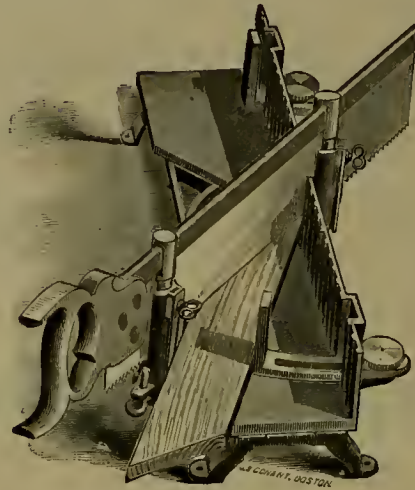
Per dozen, \$ 1 25

Swivel Loop Rod.



Per dozen, \$ 1 25

New Langdon Miter Box Improved.



Ordinary Miter Boxes cut from right angles to 45 degrees, inclusive, as shown on the diagram, A, B, C.

The New Langdon Improved cuts, by using the circular arms or guides, from right angles to 73 degrees on 2½ inch stuff, as shown on diagram, A, B, D; varying more or less with width of stuff.

The only box adjustable for mitering circular work in patterns, emery wheels and segments of various kinds.

Size 1. (New Langdon.)

Gives 6 inches width at right angles, and 4 inches at miter. Weight with saw, 25 pounds.

Size 2. (New Langdon.)

Gives 9 inches width at right angles, and 6½ inches at miter. Weight with saw, 26 pounds.

Size 2½. (New Langdon.)

Gives same width as size 2, and are arranged for saw 28 inches by 5.

Saws 22, 24 and 26 inches long are most approved by users of sizes 1 and 2.

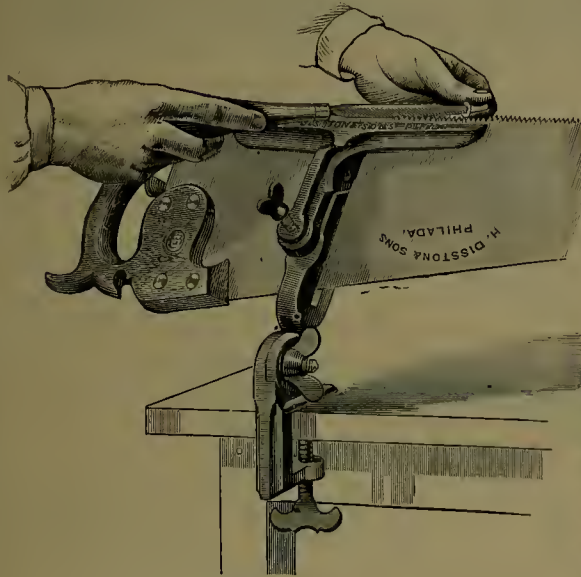
The parts of each size interchange.

To prevent pricking the thumb by the saw teeth in raising the stop lever, we have the butts of our saws rounded. Saws are measured by the *length of the blade*, not of the teeth.

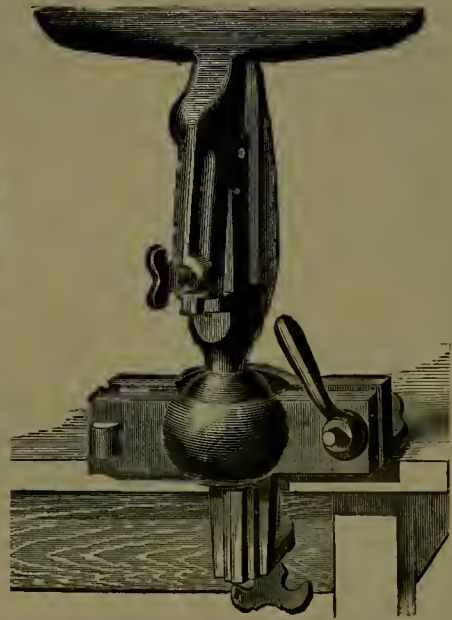


	Size 1.	Size 2.	Size 2½.
With Back Saw 18 x 4,	\$ 9 00	\$	\$
“ “ 20 x 4,	9 50	. . . . .	. . . . .
“ “ 22 x 4, . . . . .	. . . . .	11 00	. . . . .
“ “ 24 x 4, . . . . .	. . . . .	11 50	. . . . .
“ “ 26 x 4, . . . . .	. . . . .	. . . . .	. . . . .
“ “ 28 x 5, . . . . .	. . . . .	. . . . .	14 00

Saw Clamps.



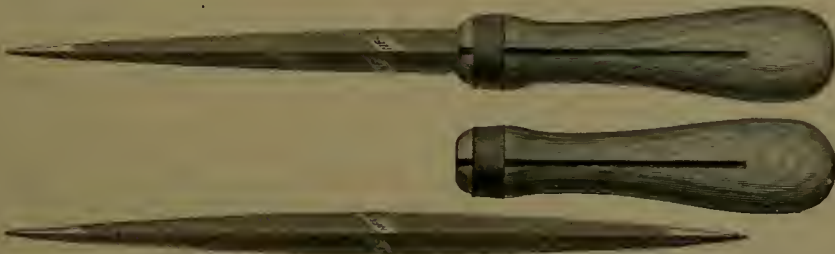
Adjustable Saw Clamp.



Adjustable Ball and Socket Saw Clamp.

Adjustable Saw Clamp, per dozen,	\$ 15 00
Ball and Socket Saw Clamp, per dozen,	21 00

Nicholson File Co's "Double Ender" Handsaw Files.



Two Files in one, Complete, with Handle.

Nos.	7	8	9	10
Equal to two Files, inch,	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5
Per dozen,	\$ 2 10	2 40	2 70	3 20

Half dozen or one dozen in a box.

Files, Rasps, Etc.

Bastard.

Inch,	4	5	6	7	8	9	10	11	12	13	14	15	16	18
Mill Saw, Round and Square,	\$ 1 40	1 60	1 85	2 20	2 65	3 15	3 80	4 50	5 35	6 40	7 65	9 10	10 80	14 70
Mill Saw, <i>One Round Edge</i> ,	1 51	1 72	1 99	2 37	2 85	3 39	4 09	4 84	5 75	6 88	8 22	9 78	11 61	15 80
Flat,	1 50	1 70	2 00	2 40	2 90	3 50	4 15	4 80	5 80	6 85	8 15	9 75	11 55	16 00
Half Round and Hand,	1 60	1 85	2 20	2 65	3 15	3 80	4 50	5 25	6 25	7 35	8 75	10 35	12 25	17 25

Second Cut.

Mill Saw, Round and Square,	1 65	1 85	2 10	2 55	3 05	3 65	4 35	5 20	6 15	7 35	8 75	10 50	12 40	16 90
Flat,	1 75	2 00	2 35	2 80	3 35	4 00	4 75	5 60	6 65	7 90	9 40	11 20	13 30	18 45
Half Round and Hand,	1 85	2 10	2 55	3 05	3 65	4 35	5 20	6 05	7 20	8 50	10 10	11 90	14 10	19 90

Smooth.

Round and Square,	1 75	2 00	2 35	2 80	3 30	3 95	4 75	5 60	6 70	8 00	9 55	11 40	13 50	18 40
Flat,	1 90	2 15	2 55	3 05	3 65	4 35	5 20	6 05	7 25	8 55	10 20	12 20	14 45	20 00
Half Round and Hand,	2 00	2 35	2 80	3 30	3 95	4 75	5 60	6 60	7 80	9 20	10 95	12 95	15 35	21 60

All dead smooth work, double the price of bastard cut.

Rasps.

Cabinet Files and Rasps,	.....	.....	2 90	3 50	4 20	5 00	6 00	7 00	8 25	9 65	11 30	13 15	15 40	.....
Half Round Wood Rasps,	.....	.....	2 55	3 05	3 65	4 35	5 20	6 05	7 20	8 50	10 10	11 90	14 10	.....
Flat Wood Rasps,	.....	.....	2 35	2 80	3 35	5 00	4 75	5 60	6 65	7 90	9 40	11 20	13 30	.....
Farriers' or Horse,	.....	.....	.....	.....	.....	.....	4 65	5 35	6 30	7 55	9 00	10 80	12 80	17 60
Tauged Horse,	.....	.....	.....	.....	.....	.....	6 30	7 55	9 00	10 80	12 80	15 00	17 60	.....
Shoemakers' Rasps, Flat,	.....	.....	2 00	2 40	2 90	3 50	4 10	4 85	5 80	.....	.....	.....	.....	.....

Saw Files.

Inch,	3	3½	4	4½	5	5½	6	7	8	9	10	11	12	13
Tapers Slim Single Cut,	1 15	1 15	1 25	1 40	1 55	1 75	2 05	2 45	3 00	3 65	4 50	5 55	6 85	8 40
Tapers Regular Single Cut,	1 05	1 05	1 20	1 35	1 60	1 85	2 15	2 75	3 45	4 30	5 35	6 60	8 00	9 55
Tapers Double Cut to Point,	1 35	1 35	1 50	1 75	2 00	2 35	2 75	3 45	4 30	5 40	6 70	8 25	10 00	11 95
Pit Saw Single Cut,	1 50	1 50	1 60	1 70	1 85	2 10	2 45	3 15	3 95	4 80	5 80	6 85	8 00	.....
Band Saw Single Cut,	1 70	1 70	1 85	2 05	2 35	2 65	3 00	3 70	4 50	.....	.....	.....	.....	.....

Peter Stub's Files.

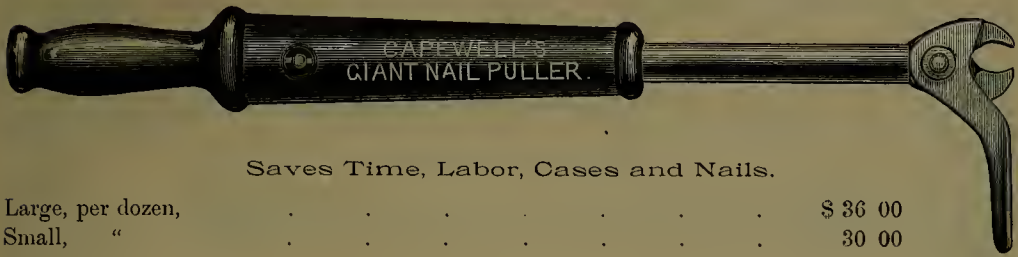
Taper Saw—Three Square.

Length, inch,	.....	.....	.....	.....	.....	2½	3	3½	4	4½	5	6
Per dozen,	.....	.....	.....	.....	.....	\$ 1 75	1 75	1 80	2 00	2 80	3 10	3 50

Second Cut.

Inch,	3	3½	4	4½	5	6
Flat, per dozen,	\$ 1 75	1 75	2 00	2 50	2 65	3 65
Warding, per dozen	1 75	1 75	2 00	2 25	2 50	3 50
Half Round, per dozen,	2 00	2 25	2 75	3 00	3 25	4 25
Round, per dozen,	1 75	2 00	2 25	2 40	2 65	3 40
Square, per dozen,	1 65	2 00	2 25	2 50	2 65	3 65
Hand, per dozen,	1 75	1 75	2 00	2 50	2 65	3 65
Equaling, per dozen,	2 00	2 00	2 25	2 50	2 75	3 50
Knife, per dozen,	1 65	1 75	2 00	2 50	2 65	3 65

Giant Nail Pullers.



Saves Time, Labor, Cases and Nails.

Large, per dozen,	\$ 36 00
Small, " "	30 00

Little Jack the Giant Tack Puller.



Per dozen	\$ 3 00
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Box Scrapers.



No. 1.

Single Handle.



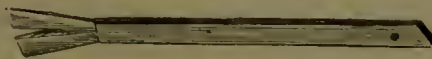
No. 2.

Double Handle.

No. 1, Cast Steel, per dozen,	. . . \$ 6 00.	No. 2, Cast Steel, per dozen,	. . . \$ 9 00
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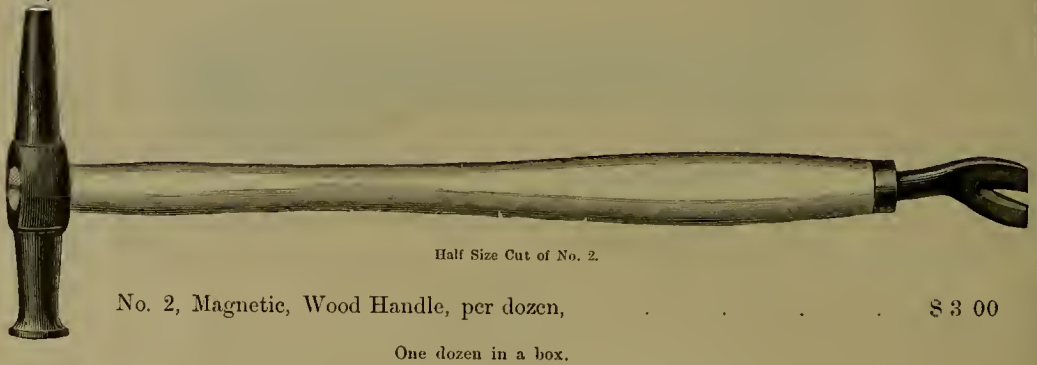
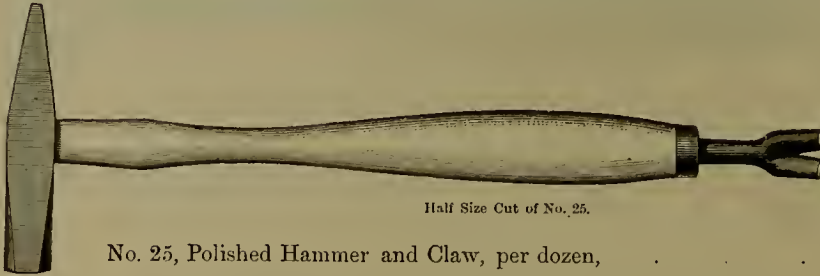
No. 1, one dozen in a box ; other numbers, half dozen.

Box Chisels.

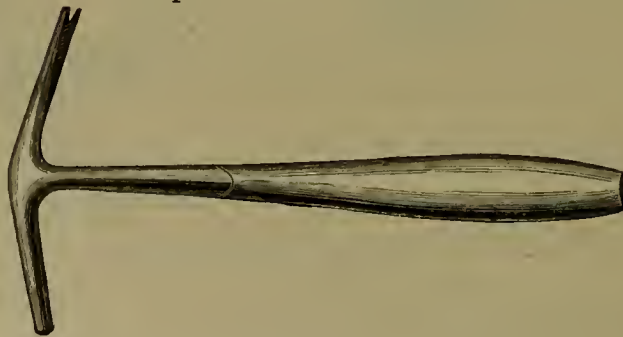


14 inch, Cast Steel, Flat, per dozen,	\$ 12 00
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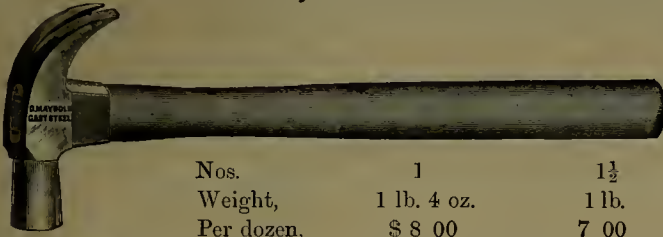
Tack Hammers.



Upholsterers' Hammers.

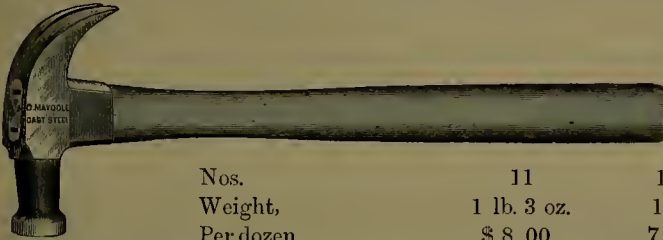


Maydole's Cast Steel Hammers.



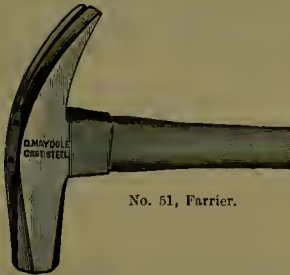
Adze Eye Hammers.

Nos.	1	1½	2	3
Weight,	1 lb. 4 oz.	1 lb.	13 oz.	7½ oz.
Per dozen,	\$ 8 00	7 00	6 00	5 00

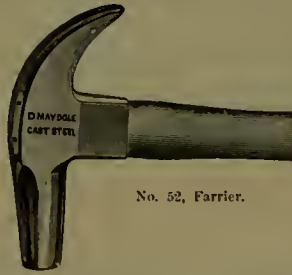


Adze Eye, Bell Face.

Nos.	11	11½	12	13
Weight,	1 lb. 3 oz.	1 lb.	12 oz.	7 oz.
Per dozen,	\$ 8 00	7 00	6 00	5 00



No. 51, Farrier.

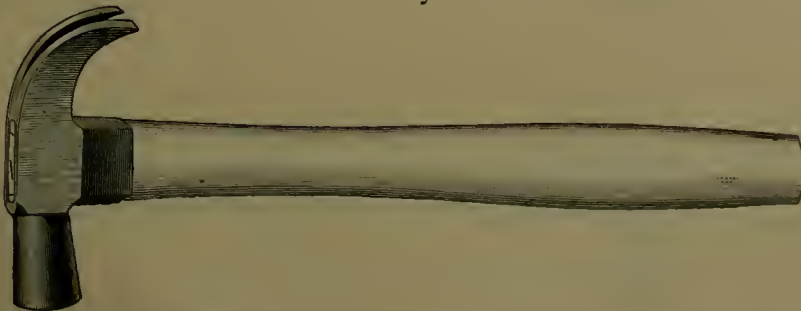


No. 52, Farrier.

Farriers' Hammers.

	No. 51, Adze Eye.	No. 52, Adze Eye.	No. 55, Plain.
Weight,	10 oz.	7 oz.	7 oz.
Per dozen,	\$ 6 00	5 00	3 50

Adze Eye Nail Hammers.

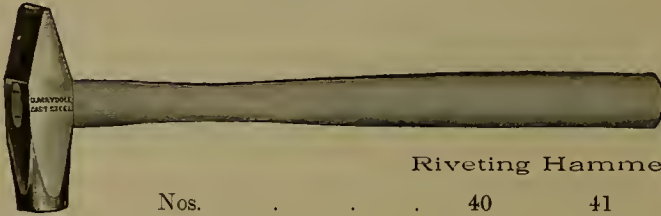


No 8, Steel, per dozen,

\$ 7 50

Half dozen in a box.

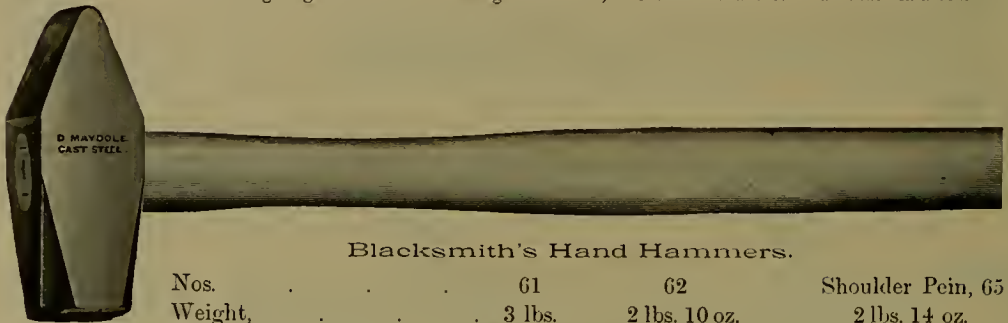
Maydole's Cast Steel Hammers.



Riveting Hammers.

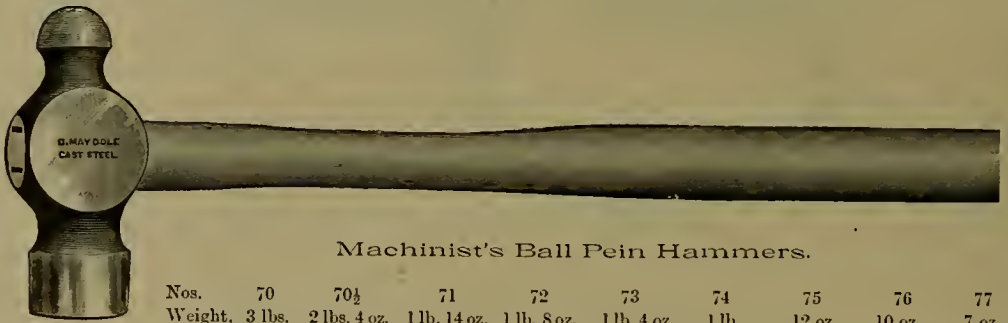
Nos.	40	41	42	43	44
Weight,	1 lb. 8 oz.	1 lb. 2 oz.	12 oz.	7 oz.	4½ oz.
Per dozen,	\$ 6 00	5 00	4 25	3 50	3 00

The weights given above are for Single Hammers, without the Handle. Half dozen in a box.



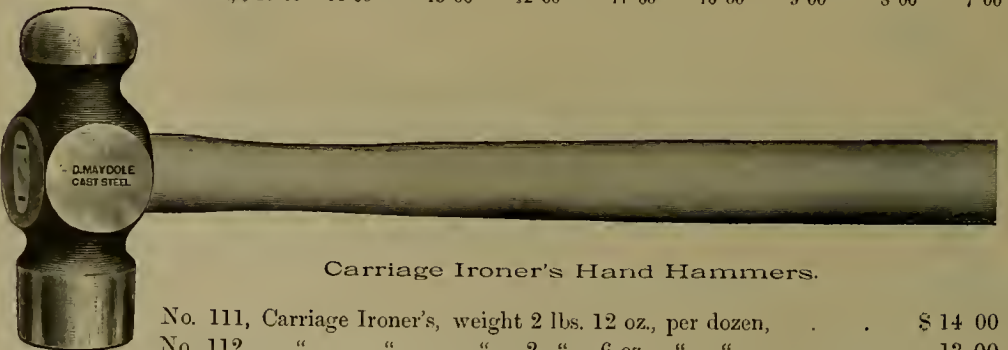
Blacksmith's Hand Hammers.

Nos.	61	62	Shoulder Pein, 65
Weight,	3 lbs.	2 lbs. 10 oz.	2 lbs. 14 oz.
Per dozen,	\$ 12 00	11 00	12 00



Machinist's Ball Pein Hammers.

Nos.	70	70½	71	72	73	74	75	76	77
Weight, 3 lbs.	2 lbs. 4 oz.	1 lb. 14 oz.	1 lb. 8 oz.	1 lb. 4 oz.	1 lb.	12 oz.	10 oz.	7 oz.	
Per doz., \$	16 00	14 00	13 00	12 00	11 00	10 00	9 00	8 00	7 00



Carriage Ironer's Hand Hammers.

No. 111, Carriage Ironer's, weight 2 lbs. 12 oz., per dozen,	\$ 14 00
No. 112, " " " 2 " 6 oz., " " " "	13 00

Shoe Hammers.



Nos. 43, 44 and 60.

No. 43, Japanned, Polished Face, Small, per dozen,	\$ 1 75
No. 44, " " " Large, " "	2 20
No. 60, Full Polished, Small, " "	2 25

Half dozen in a package.

Tack Claws.



Nos. 10 and 11 Three-quarter Size Cut of No. 9.

No. 10, Long Shank, Polished, per dozen,	\$ 1 65
No. 11, Long Shank, Polished, Heavy, per dozen,	2 00

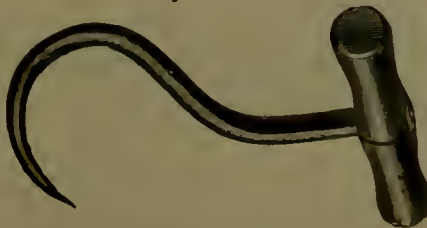
American Ice Chisels.



No. 2000, Wood Handle, per dozen, \$4 00.	No. 900, Iron Handles, per dozen,	\$ 5 00
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One dozen in a box.

Hay Hooks.

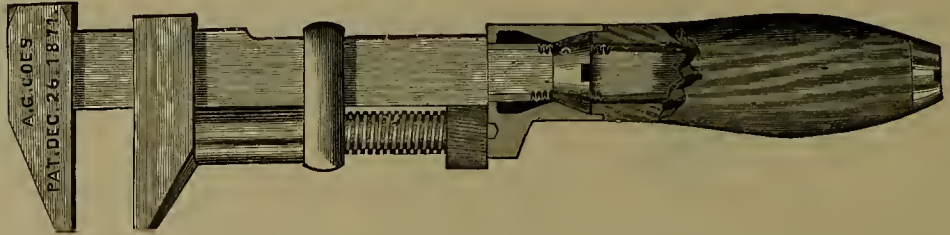


Cast Steel, Polished.

Hooks, 9 inches, per dozen,	\$ 9 00
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A. G. Coes' (Genuine) Wrenches.

Wrought Iron.



Black.

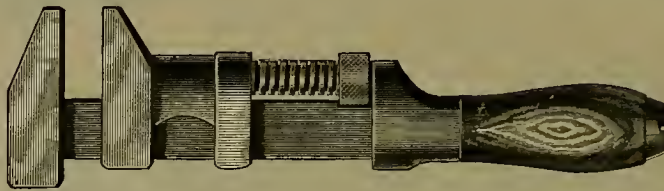
Inch,	6	8	10	12	15	18	21
Per dozen, \$	9 00	10 00	12 00	14 00	24 00	30 00	36 00

Bright.

Inch,	6	8	10	12	15	18	21
Per dozen, \$	10 00	11 00	14 00	16 00	26 00	32 00	38 00

6 to 12 inch, half-dozen in a package; 15 to 21 inch, one-third dozen.

Machinists' Wrenches — Wrought.



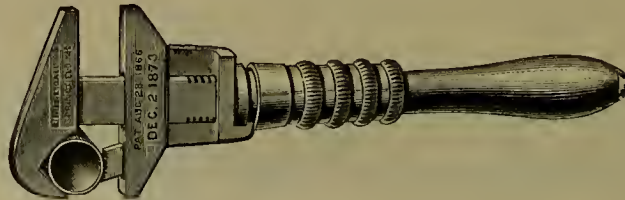
Black.

Bright.

Inch,	6	8	10	12	15	Inch,	6	8	10	12	15
Per dozen, \$	9 00	10 00	12 00	14 00	24 00	Per dozen, \$	10 00	12 00	14 00	16 00	26 00

• Half dozen in a package.

Bemis & Call Combination Wrenches.



Bright, with Long Nut.

10, inch, adjustable to pipe from	$\frac{1}{2}$	inch to 1 inch in Diameter, per dozen,	\$ 25 25
12 " " " "	$\frac{1}{2}$	$1\frac{3}{4}$ " " " "	28 50
15 " " " "	$\frac{1}{2}$	2 " " " "	40 50

Cast Steel Screw Drivers.



Steel Blades, Forged, Polished Handles, Solid Ferrule.

Inch,	1½	2	3	4	5	6	7	8	9	10	12
Per dozen,	\$ 1 50	1 80	2 20	2 75	3 50	3 75	4 30	4 80	6 25	7 50	8 50

2 and 3 inch, one dozen in a box; 4 to 12 inch, half dozen.

Gay's Double Action Ratchet Screw Drivers.



4 inch, per dozen,											\$ 9 00
5 " "											10 20
6 " "											12 00

Swan's Patent Screw Drivers.

IN SETS, 3 TO 6 INCH (4).



Swan's Screw Drivers, per dozen sets, \$ 15 00

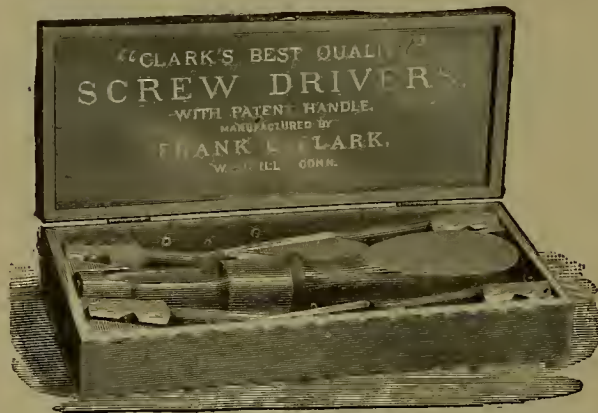
One set in a wooden box, as shown in cut.



CLARK'S
Improved Screw Driver,

And Case containing

HANDLE AND SET OF SCREW DRIVERS.



The Blades are made of JESSOP'S CAST STEEL, with milled Points and Shanks, making them interchangeable, and are warranted.

No. 1 has four Blades, from $\frac{1}{4}$ inch to 1 inch in width.

Price, per dozen Sets, in Maple Boxes, with four Bits to each Set,

No. 1, \$ 15 00

Price, per dozen Sets, in Paper Boxes, of three Bits with each Set,

No. 20, \$ 12 00

Carpenter's Pincers.



Half Size Cut of 8 Inch.

Wrought Iron, Polished Steel Face.

Inch,	6	8	10	12
Per dozen,	\$ 5 00	6 50	9 00	12 00

Half dozen in a box.

Cast Steel Nail Sets.



Jenning's, per gross,	.....	\$ 9 00
Buck's, " "	.....	18 00

Quarter gross in a box.

Cast Steel Cold Chisels.



Octagon.

Inch,	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Per dozen,	\$ 2 60	3 70	5 60	7 60	10 80	14 00
Assorted, $\frac{3}{8}$ to $\frac{7}{8}$ inch, per dozen.	.....					\$ 6 00

Half dozen in a box.

Cast Steel Pliers.



Flat Nose.

Inch,	4	4½	5	6	7	8
Per dozen,	\$ 3 00	3 00	3 50	4 00	5 00	6 00

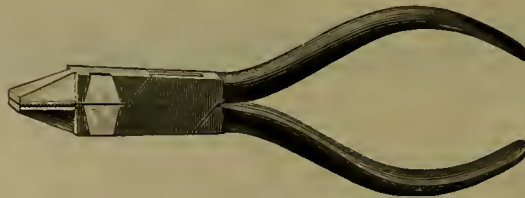


Round Nose.

Inch,	3	4	5	6	6½	7
Per dozen,	\$ 3 00	3 00	3 50	4 00	4 00	5 00

Half dozen in a box.

Side Cutting Pliers.



Inch,	4½	5	5½	6	7
Per dozen,	\$ 8 00	8 00	8 50	9 00	12 00

Half dozen in a box.

End Cutting Nippers.



Inch,	4½	5	5½	6	7
Per dozen,	\$ 7 50	7 50	8 00	8 50	11 00

Half dozen in a box.

Button's Patent Cast Steel Pliers.



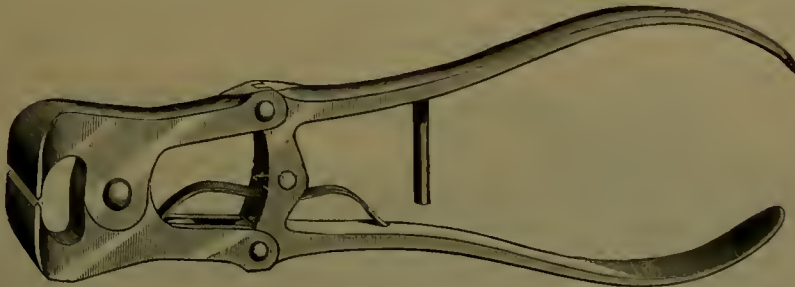
Full Size Cut of 4½ inch. No. 1.

PLIERS AND WIRE CUTTER COMBINED.

No. 1, Flat Nose.

4½ in., to cut anything not larger than No. 14 Wire, per dozen,	\$ 10 00
6 in., " " " " No. 11 " "	12 00
8 in., " " " " No. 8 " "	15 00

Lindsay's Giant Cutting Nippers.



Full Size Cut of 7 inch.

Owing to the great power given by a toggle joint, increasing as the jaws close, it requires less pressure in cutting than any other nipper. Parts interchangeable.

7 inches long, will cut Wire up to ⅜ inch, per dozen,	\$ 21 00
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Half dozen in a box.

Lindsay's Giant Cutting Pliers.



Cut of 8-inch Side-cutting Plier.

Side-cutting Plier, 8 inch, will cut No. 6 Wire, $\frac{3}{16}$ inch, per dozen,	\$ 21 00
Blades for 8-inch side-cutting Plier, each,	20
Half dozen in a box.	

Carew's Patent Wire Cutter.



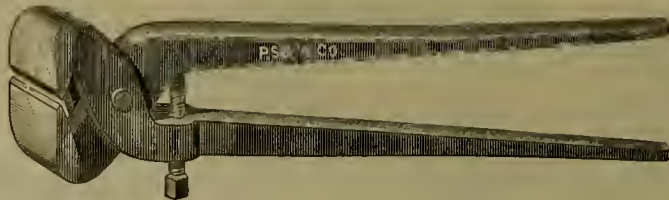
These goods have recently been greatly improved. They are now made throughout of FORGED STEEL.

The advantage of this cutter over others now in use can be seen at a glance. The adjustable jaws are its main feature. These are made of the best tool steel, and are brought to a keen cutting edge before being tempered. The cutting quality is unsurpassed. Whenever they become dulled by use, they can easily be removed, by driving from the end showing prick-mark; ground, and as easily replaced. This may be repeated as often as expedient; or they can be replaced by duplicate jaws; thus obviating the necessity of purchasing new cutters.

Five Sizes.

6 in. Cutters price,	\$ 1 75	6 in. Extra Jaws, per pair,	\$ 0 55
8 in. " "	2 00	8 in. " " "	60
10 in. " "	2 25	10 in. " " "	65
12 in. " "	2 60	12 in. " " "	70
14 in. " "	3 00	14 in. " " "	75

Cutting Nippers.



No. 1, Extra Large Size, each,	\$ 2 50
No. 2, Large Size, each,	2 25
No. 3, Common Size, each,	2 00
No. 4, Small Size, each,	1 75
No. 5, Small Size, each,	1 25

Oil Stone and Slips.



Mounted.

Washita Oil Stone.

No. 1, per pound, \$ | Axe Stone, per pound, \$

Washita Oil Slips.

No. 1, Round Edge Slips, $3\frac{1}{2}$ to 5×1 to $1\frac{3}{4}$ in., per pound, \$

No. 1, Square Edge Knife Slips, 3 to $5 \times \frac{3}{4}$ to $1\frac{1}{4}$ in., per pound, \$
 Ten pounds in a box.

Hindostan Stone and Slips.

No. 1, Hindostan Stone, Assorted, per pound, \$

No. 1, " Axe Stone, Assorted, per pound, \$

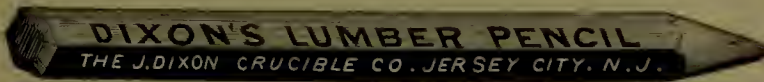
No. 1, " Slips, " Round Edge, per pound, \$

Dixon's Lumber Pencils.



No. 360.

No. 360, $\frac{1}{2}$ in. Square, 4 in. Long, Papered, per gross, \$ 10 00

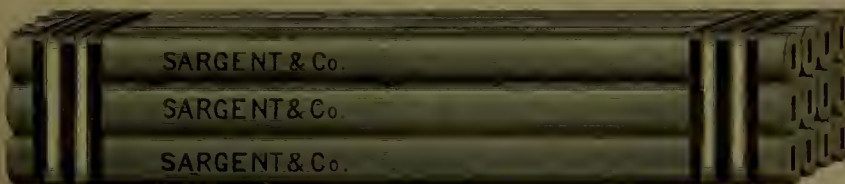


No. 361

No. 361, $\frac{1}{2}$ in. Hexagon, 4 in. Long, Japanned, per gross, \$ 10 00

Half gross in a box.

Carpenters' Pencils.



Inch,	7	9	12
Per gross,	\$ 7 00	9 00	12 00

Wood Spokeshaves.



Size,	2½	3	3½
Beech, plain,	\$ 4 50	5 00	5 50
Beech, plated,	5 50	6 00	6 50

Screw, Iron Spokeshaves.



Size,	2½	3	3½
Beech, plated,	\$ 9 00	9 50	10 00
Boxwood,	10 50	11 00	11 50

Bailey's Iron Spokeshaves.

The Spokeshaves in the following List are superior in style, quality and finish to any in market. The Cutters are made of the best English Cast Steel, tempered and ground by an improved method, and are in perfect working order when sent from the factory.



No. 51, Double Iron, Raised Handle, 10 in., 2½ in. Cutter, per dozen, \$ 4 00



No. 52, Double Iron, Straight Handle, 10 in., 2½ in. Cutter, per dozen, \$ 4 00



No. 54, Adjustable, Straight Handle, 10 in., 2½ in. Cutter, per dozen, \$ 5 00



No. 55, Model Double Iron, Hollow Face, 10 in., 2½ in. Cutter, per dozen, \$ 4 00

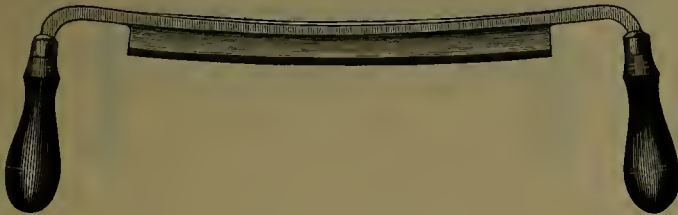


No. 60, Double Cutter, Hollow and Straight, 10 in., 1½ in. Cutters, per dozen, \$ 5 00



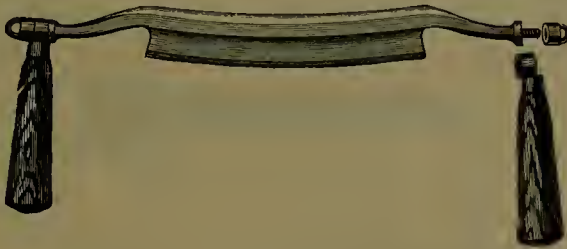
No. 64, Straight Handle, 9 in., 2½ in. Cutter (with Thumb Screw), per dozen, \$ 3 00

Drawing Knives.



Inch,	6	7	8	9	10	11	12	13	14	15	16
Per dozen, \$	16 00	17 00	18 00	19 00	20 00	21 00	22 00	24 00	25 00	26 00	28 00

Patent Adjustable Handle Drawing Knives.



Concave or Razor Blade Knives.

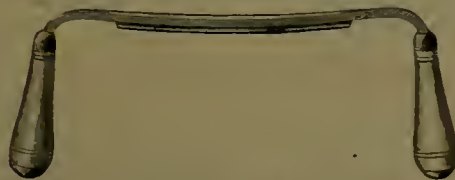
8 Inch, per dozen,	.	.	.	.	.	.	.	.	.	\$ 12 00
10 " " "	.	.	.	.	.	.	.	.	.	15 00
12 " " "	.	.	.	.	.	.	.	.	.	18 00

Barton's Drawing Knives.



Carpenters'. 1 1/4 to 1 1/2 Inch Wide.

Inch,	.	8	10	12	14	16
Per dozen,	.	\$ 12 00	14 00	16 00	18 00	20 00

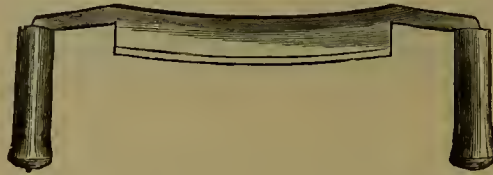


Narrow Carriage. 3/8 to 1 inch Wide.

Inch,	.	8	10	12	14
Per dozen,	.	\$ 12 00	14 00	16 00	18 00

Barton's Shingle Knives.

Black Walnut Handles.



Inch,	8	10	12	14	16
Per dozen,	\$ 14 00	16 00	18 00	20 00	22 00

Barton's Coach Knives.

Razor Blades, 1 1/4 to 1 1/2 inch Wide, Black Walnut Handles, Capped and Ferruled.

Inch,	8	10	12	14	16
Per dozen,	\$ 13 00	15 00	17 00	19 00	21 00

Coopers' Froes.



Coopers' Froes, inch,	10	12	14	16
Per dozen,	\$ 15 00	18 00	21 00	24 00

Extra Tang Firmer Chisels.

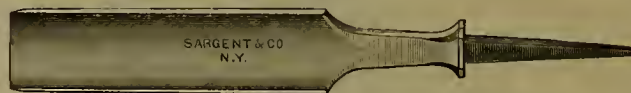


Inch,	1/8	3/16	1/4	5/16	3/8	1/2	5/8
Per dozen,	\$ 1 60	1 60	1 60	1 60	1 78	2 07	2 25
Inch,	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Per dozen,	\$ 2 44	2 82	3 00	4 13	5 07	6 19	7 50

Assorted in Sets.

One-eighth inch to two inches, 12 Chisels (1 each, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4 inch and 2 inches) per set, \$ 3 50

Extra Tang Firmer Gouges.



Inch,	1/8	1/4	3/8	1/2	5/8	3/4
Per dozen,	\$ 1 97	1 97	2 16	2 44	2 63	2 91
Inch,	7/8	1	1 1/4	1 1/2	1 3/4	2
Per dozen,	\$ 3 28	3 47	4 88	6 00	7 32	9 00

Assorted in Sets.

One-eighth inch to two inches, 12 Gouges (1 each, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 1 3/4 inch and 2 inches), per set, \$ 4 13

Extra Socket Firmer Chisels.



5 1/4 Inch Blade.

Solid Cast Steel.

Inch,	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Per dozen, \$	8 00	8 00	8 00	9 00	10 00	11 00	11 00	12 00	13 00	14 00	15 00	16 00

Assorted in Sets.

1/8 inch to 2 inches, 12 Chisels (1 each of above sizes), per set,	\$ 11 25
1/4 inch to 2 inches, 8 Chisels (1 each, 1/8, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2 inch and 2 inches), per set,	8 25
1/8 inch to 1 1/2 inch, 9 Chisels (1 each, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 1, 1 1/4, and 1 1/2 inch), per set,	7 75

Barton's Socket Firmer Chisel.

6 1/2 inch blades, solid cast steel, apple-tree handles.

Inch,	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Per dozen, \$	4 00	4 30	4 60	5 00	5 50	6 00	6 40	6 80	7 50	8 00	9 00	10 00
Socket Firmers, assorted to 2 inches, 9 in set,												\$ 5 25
Socket Firmers, assorted to 2 inches, 12 in set,												6 00

Barton's Socket Firmer Gouges.



Solid Cast Steel.

Inch,	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
Per dozen, \$	5 25	5 50	6 00	6 50	7 25	8 00	8 50	9 00	10 00	11 00	12 00	13 25

Assorted in Sets.

1/8 inch to 2 inches, 12 Gouges (1 each of above sizes to 2 inches inclusive), per set,	\$ 8 50
1/4 inch to 2 inches, 9 Gouges (1 each, 1/4, 1/2, 3/4, 1, 1 1/4, 1 1/2, 1 3/4 inch and 2 inches), per set,	7 00

All of the above are packed half dozen or one set in a box.

Inside Bevel, add 25 cents to List, per dozen.

Socket Framing Chisels.



8½ Inch Blade.

Inch,	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2
Per dozen, \$	12 00	12 00	12 00	13 00	14 00	15 00	16 00	18 00	20 00	22 00	24 00

Half dozen in a box.

Sets of 12											\$ 18 00
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Barton's Socket Framing Chisels.

8 Inch Blades, Hickory Handles, with Rings.

Inch,	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Per dozen,	\$ 6 00	6 50	7 00	7 50	8 00	8 50	9 00
Inch,		$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$
Per dozen,		\$ 9 50	10 00	11 00	12 00	14 00	16 00

Corner Chisels.



Inch,		$\frac{1}{2}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$
Per dozen,		\$ 22 00	28 00	30 00	32 00	34 00	36 00

Half dozen in a package.

Carpenters' Slicks.

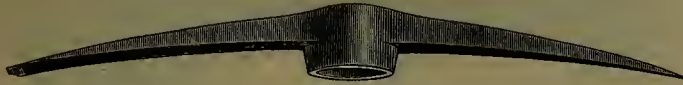


Inch,				$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Per dozen,				\$ 40 00	44 00	52 00	60 00

One-twelfth dozen in a package.

Picks.

WASHOE SURFACE PICKS.



California Pattern.

Nos.	1	2	3	4	5	6	7
Weight, lbs.,	4	4½	5	5½	6	6½	7
Per dozen,	\$ 14 00	15 00	16 00	17 00	18 00	19 00	20 00

WASHOE DRIFTING PICKS.



Nos.	15	16	17	18	19
Weight, lbs.,	3½	4	4½	5	5½
Per dozen,	\$ 14 00	14 00	15 00	16 00	17 00

WASHOE POLL PICKS.



Nos.	21	22	23	24	25
Weight, lbs.,	4	4½	5	5½	6
Per dozen,	\$ 16 00	17 00	18 00	19 00	20 00

PICK EYES.



Surface.

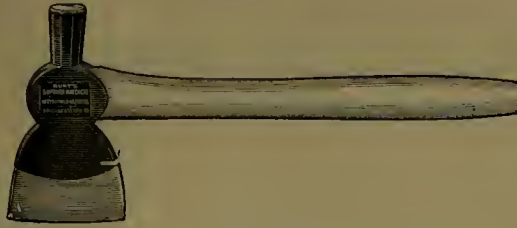
Nos.	1	2	3	4	5
Weight, lbs.	3	3½	4	4½	5½
Drifting, per dozen,	\$.....	.....	.....	.....	.....
Surface, " "	.....	.....	.....	.....	.....

CAST STEEL RAILROAD PICKS. ADZE EYE.



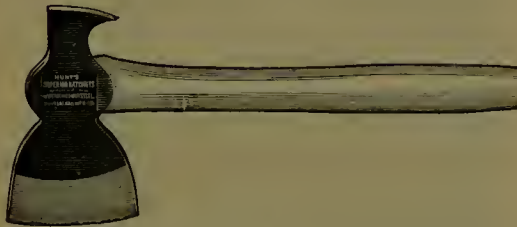
Assorted 5 to 7 lbs., Painted Black, Fine Finish, per dozen, \$ 12 00

Cast Steel Hatchets.



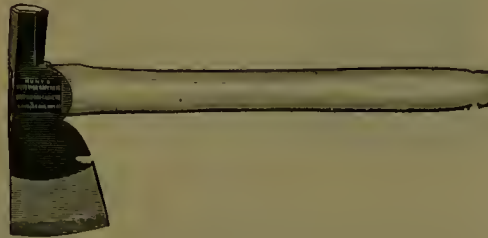
Shingling.

No.	Width of Cut	HUNT'S.	UNION.	PHILLIPS.
No. 1,	3 1/2 inches,	\$ 7 25	7 25	6 00
No. 2,	3 7/8 "	8 00	8 00	6 50
No. 3,	4 3/8 "	8 75	8 75	7 00



Claw.

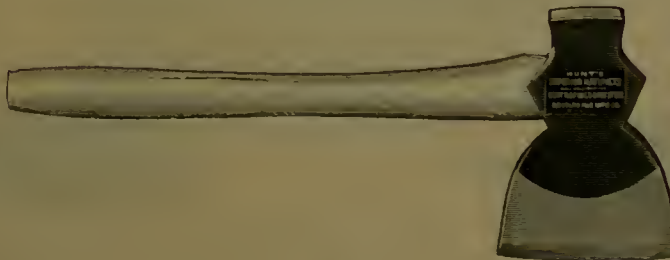
No.	Width of Cut	HUNT'S.	UNION.	PHILLIPS.
No. 1,	3 1/2 inches,	\$ 7 75	7 75	7 00
No. 2,	3 7/8 "	8 50	8 50	7 50
No. 3,	4 3/8 "	9 25	9 25	8 00



Lathing.

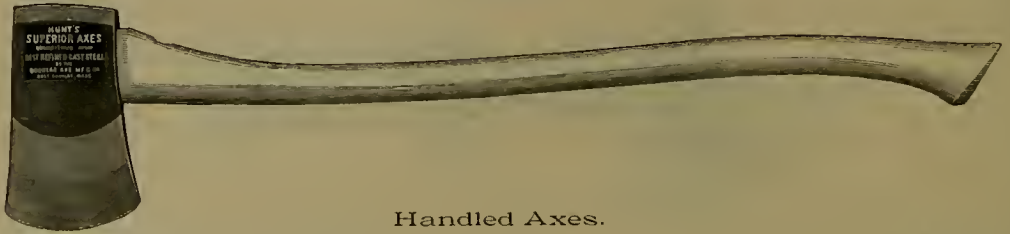
UNDERHILL'S Solid Steel Polished, per dozen,	\$ 12 00
Common, " " " " "	7 50

Hunt's Broad Hatchets.



Nos.	1	2	3	4	5	6
Cuts, inches,	4 3/4	5 3/8	6	6 1/2	7	7 1/2
Per dozen,	\$ 12 50	14 50	16 50	18 00	19 50	22 00

Axes.



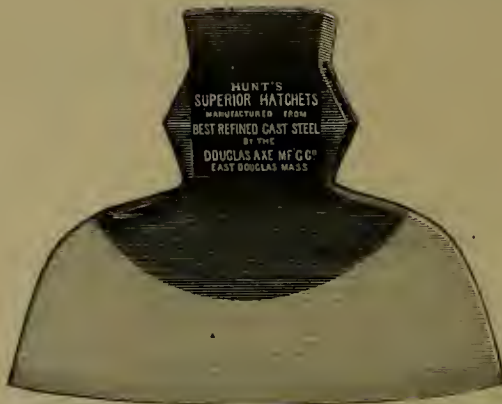
Handled Axes.

HUNT'S Assorted,	3 @ 4 and 3½ @ 4½,	per dozen,	\$ 16 50
" "	4 " 5 " 4½ " 5½,	" "	17 00
BROWN'S " "	3 " 4 " 3½ " 4½,	" "	12 50

BOYS' HANDLED AXES.

HUNT'S,	per dozen,	.	.	.	.	.	.	\$
JONES',	" "	.	.	.	.	.	.
DAY'S,	" "	.	.	.	.	.	.

Broad Axes.



HUNT'S 5½ to 7½ lbs.,	per dozen,	.	.	.	.	.	.	\$ 30 00
" 7½ " 8½ "	" "	.	.	.	.	.	.	34 00
BARTON'S or HORTON'S Ship Broad Axe,	per dozen,	.	.	.	.	.	.	40 00

Adzes.



Ship Carpenters' Pattern.



House Carpenters' Pattern.

HUNT'S House,	per dozen,	.	.	.	.	.	.	\$ 23 00
" Ship,	" "	.	.	.	.	.	.	23 00
HORTON'S or WATTS',	per dozen,	.	.	.	.	.	.	30 00

Unhandled Axes,

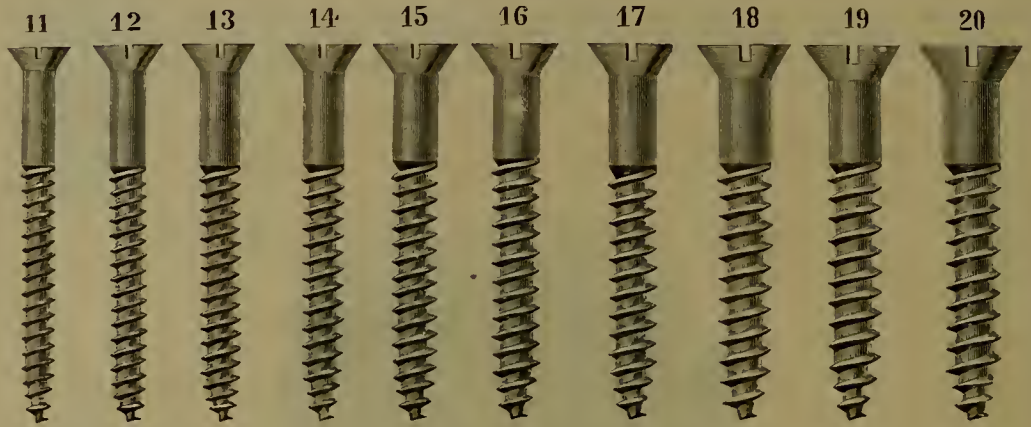
Assortment of Weights.

Light,	.	.	.	3 to 4	3½ to 4½	3½ to 4½
Medium,	.	.	.	3¾ to 4¾	4 to 5	4½ to 5½



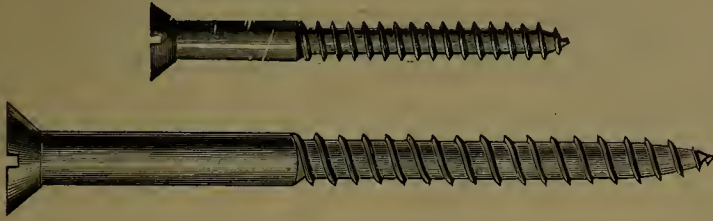
Hunt's "Ohio" Pattern, per dozen,	\$ 12 50
Hunt's "Noyo" Pattern, Narrow Bit, per dozen,	12 50
Hunt's Eureka Pattern, per dozen,	13 00
Hunt's Double Bitted 3@ 4 and 3½@ 4½, per dozen.	24 00

Patent Gimlet Pointed Screws.



1-4 Inch.	0 \$ 0 20	1 20	2 20	LIST PRICE PER GROSS FOR IRON SCREWS, BOTH ROUND AND FLAT HEAD.													
3-8 Inch.	1 \$ 0 20	2 20	3 20	4 20	5 20	6 21	7 25	8 28									
1-2 Inch.	2 \$ 0 20	3 20	4 20	5 23	6 25	7 28	8 31	9 34	10 37								
5-8 Inch.	2 \$ 0 20	3 20	4 21	5 25	6 28	7 31	8 34	9 37	10 42	11 46	12 52	13 59	14 67	15 74	16 83	17 98	
3-4 Inch.	4 \$ 0 24	5 28	6 31	7 34	8 37	9 42	10 46	11 52	12 59	13 67	14 74	15 83	16 98				
7-8 Inch.	5 \$ 0 31	6 34	7 37	8 42	9 46	10 49	11 58	12 65	13 73	14 83	15 93	16 1 01					
1 Inch.	5 \$ 0 34	6 37	7 41	8 46	9 52	10 56	11 62	12 72	13 77	14 91	15 1 02	16 1 14	17 1 21				
1 1-4 Inch.	7 \$ 0 49	8 56	9 62	10 67	11 74	12 83	13 95	14 1 05	15 1 19	16 1 33	17 1 49	18 1 64	20 1 96				
1 1-2 Inch.	8 \$ 0 65	9 72	10 79	11 87	12 95	13 1 09	14 1 23	15 1 37	16 1 57	17 1 70	18 1 92	20 2 17					
1 3-4 Inch.	9 \$ 0 80	10 84	11 93	12 1 04	13 1 18	14 1 33	15 1 50	16 1 65	17 1 79	18 1 98	20 2 27	22 2 66	24 3 29				
2 Inch.	10 \$ 0 91	11 98	12 1 12	13 1 25	14 1 40	15 1 58	16 1 75	17 1 88	18 2 10	20 2 41	22 2 82	24 3 50					
2 1-4 Inch.	11 \$ 1 05	12 1 21	13 1 33	14 1 51	15 1 68	16 1 82	17 1 99	18 2 24	20 2 56	22 2 97	24 3 80						
2 1-2 Inch.	12 \$ 1 33	13 1 44	14 1 64	15 1 85	16 2 00	17 2 16	18 2 37	20 2 77	22 3 29	24 4 06							
2 3-4 Inch.	13 \$ 1 57	14 1 79	15 2 00	16 2 16	17 2 41	18 2 65	20 3 18	22 3 74	24 4 44								
3 Inch.	14 \$ 1 95	15 2 10	16 2 37	17 2 65	18 2 96	20 3 54	22 4 20	24 4 78	26 5 60	3 1-2 Inch.	16 \$ 2 87	17 3 14	18 3 57	20 4 15	22 4 97	24 5 55	26 6 39
4 Inch.	18 \$ 3 98	20 4 85	22 5 46	24 6 16	26 6 93	4 1-2 Inch.	18 \$ 4 48	20 5 41	22 6 02	24 7 14	26 8 05						
5 Inch.	20 \$ 6 30	22 7 11	24 8 04	26 8 93	6 Inch.	24 \$ 9 45	26 10 85	28 13 06	30 15 05								

Patent Gimlet Pointed Screws.



BRASS SCREWS.

Flat and Round Head, Gimlet Pointed.

3-8 Inch.	1 \$ 0 67	2 67	3 67	4 67	5 72	6 79	7 88							
1-2 Inch.	2 \$ 0 67	3 67	4 67	5 72	6 79	7 95	8 1 01	9 1 11	10 1 23					
5-8 Inch.	2 \$ 0 67	3 67	4 67	5 81	6 88	7 1 01	8 1 08	9 1 18	10 1 33	11 1 47	12 1 53			
3-4 Inch.	4 \$ 0 81	5 88	6 1 01	7 1 11	8 1 18	9 1 33	10 1 47	11 1 70	12 1 92	13 2 14	14 2 41	15 2 87	16 3 39	
7-8 Inch.	6 \$ 1 18	7 1 26	8 1 37	9 1 47	10 1 63	11 1 85	12 2 06	13 2 33	14 2 65	15 3 07	16 3 46			
1 Inch.	6 \$ 1 23	7 1 33	8 1 47	9 1 63	10 1 77	11 1 99	12 2 21	13 2 48	14 2 87	15 3 24	16 3 75	18 4 41		
1 1-4 Inch.	7 \$ 1 60	8 1 77	9 1 91	10 2 19	11 2 41	12 2 66	13 2 94	14 3 29	15 3 61	16 4 05	17 4 57	18 5 08	20 6 16	
1 1-2 Inch.	8 \$ 2 06	9 2 28	10 2 41	11 2 80	12 3 10	13 3 43	14 3 80	15 4 20	16 4 64	17 5 20	18 5 88	20 7 00		
1 3-4 Inch.	9 \$ 2 62	10 2 91	11 3 21	12 3 53	13 3 91	14 4 31	15 4 76	16 5 18	17 5 88	18 6 69	20 7 70	22 8 96	24 10 50	
2 Inch.	10 \$ 3 29	11 3 68	12 3 98	13 4 38	14 4 83	15 5 29	16 5 81	17 6 44	18 7 06	20 8 43	22 9 80	24 11 20		
2 1-4 Inch.	12 \$ 4 41	13 4 86	14 5 35	15 5 85	16 6 40	17 7 06	18 7 73	20 9 17	22 10 50					
2 1-2 Inch.	14 \$ 5 85	15 6 40	16 7 00	17 7 70	18 8 49	20 10 29	3 Inch. \$ 7 87	16 9 55	18 12 10	20 14 70	22 18 20	24 22 40	26 22 40	

DISCOUNTS.

Flat Head Iron,	per cent discount.
Round Head Blued,	" "
Flat Head Brass,	" "
Round Head Brass,	" "

JAPANNED SCREWS,	List as on preceding page,	Discount,
COPPER BRONZED SCREWS,	List as on preceding page,	Discount,
SILVERED IRON SCREWS,	Add 35 cents to list on preceding page,	Discount,
SILVER PLATED AND BURNISHED,	Add 80 cents to list on preceding page,	Discount,

FLAT HEAD. ROUND HEAD.

Iron Side Knob Screws.

Blued, Iron Side Knob Screws, per gross,	\$ 0 34
Plated, " " " "	75

Cut. Nails.

COMMON CUT AND FENCE NAILS.

10d. to 60d., inclusive, per keg, \$

ADVANCE ON COMMON CUT NAILS.

Size,	8d.	6d.	5d.	4d.	3d.	3d. fine
Per keg,	\$ 0 25	0 50	0 75	0 75	1 50	.....

ADVANCE ON BRAD-HEAD OR FINISHING.

Size,	10d. and larger,	8d.	6d.	5d.	4d.
Per keg,	\$ 1 00	1 25	1 50	1 75	1 75
Fine finishing, advance over same size Common, per keg,					\$ 1 25

ADVANCE ON BOX AND CASING.

Size,	10d. and larger,	8d.	6d.	5d.	4d.
Per keg,	\$ 0 75	1 00	1 25	1 50	1 50
Cut Spikes, all sizes, per keg,					\$

Telegraph Cipher for Nails on last page of book.

CLINCH NAILS.

Inches,	1½	1¾	2	2¼	2½	2¾	3 and larger
Per keg, . . . . .	\$ . . . .	.....	.....	.....	.....	.....	\$
Clinch Nails in half kegs, advance, per keg,							\$

Length of Nails.

	3d fine,	3d.	4d.	5d.	6d.	8d.	10d.	12d.	20d.	30d.	40d.	50d.	60d.
Inch,	1	1¼	1½	1¾	2	2½	3	3¼	3½	4	4½	5	6

Number of Nails in a Pound.

Title.	Length.	No. in a lb.	Title.	Length.	No. in a lb.
3 penny fine,	1½ inch,	760 nails	16 penny common,	3½ inch.	32 nails.
3 " common,	1¼ "	480 "	20 " "	4 "	24 "
4 " "	1½ "	300 "	30 " "	4½ "	18 "
5 " "	1¾ "	200 "	40 " "	5 "	14 "
6 " "	2 "	160 "	50 " "	5½ "	12 "
7 " "	2¼ "	128 "	60 " "	6 "	10 "
8 " "	2½ "	93 "	6 " fence,	2 "	80 "
9 " "	2¾ "	72 "	8 " "	2½ "	50 "
10 " "	3 "	60 "	10 " "	3 "	34 "
12 " "	3½ "	44 "	12 " "	3½ "	29 "

No. of Cut Spikes in Keg of 100 Pounds.

3 inch,	2,900	4½ inch,	1,150	6½ inch,	575
3½ "	2,100	5 "	950	7 "	450
4 "	1,500	5½ "	850	8 "	375
		6 "	775		

Wrought Boat Spikes.

$\frac{1}{4}$ x 3 inches long, per keg,	Black, \$6 50	Galv'd, \$8 50
$\frac{1}{4}$ x $3\frac{1}{2}$ " " "	" 6 50	" 8 50
$\frac{1}{4}$ x 4 " " "	" 6 50	" 8 50
$\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$ and $\frac{1}{2}$ inch by any length, per keg,	" 5 50	" 6 50

Number in 100 Pounds.

Length.	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	Length.	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$
4 in.,	1100	....	....	....	....	8 in.,	....	....	304	256	171
$4\frac{1}{2}$ "	976	....	....	....	....	9 "	....	....	283	200	160
5 "	920	620	....	....	....	10 "	....	....	260	180	145
6 "	862	579	380	....	....	11 "	....	....	....	....	136
7 "	774	442	322	....	....	12 "	....	....	....	....	120

Boat Nails.

1 in., Galvanized, per pound,	16 cts.
$1\frac{1}{4}$ in., " "	15 "
$1\frac{1}{2}$ in., and longer, Galvanized, per pound,	14 "

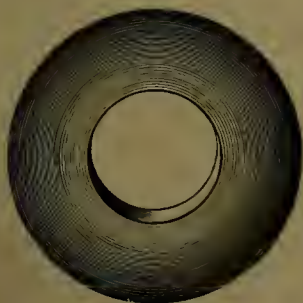
Twenty-five pounds in a box.

Track Nails.

With Countersunk Head for Flat Rail.

$\frac{1}{4}$, 2, $2\frac{1}{2}$ and 3 inch, in twenty-five pound boxes, per pound,	\$
--	----

Clinch Rings.



Sizes, $\frac{1}{2}$, $\frac{9}{16}$ inch hole, per pound,	25 cts.
Sizes, $\frac{5}{8}$, $\frac{11}{16}$, $\frac{3}{4}$, $\frac{13}{16}$, $\frac{7}{8}$, $\frac{15}{16}$, 1, $1\frac{1}{16}$, $1\frac{1}{8}$, $1\frac{3}{16}$, $1\frac{1}{4}$, $1\frac{3}{8}$, $1\frac{1}{2}$ inch hole, per pound,	17 "

Galvanized, 4 cents per pound extra.

Harrow Teeth.

Steel, all sizes, per pound,	8 cts.
Iron, all sizes, per pound,	$5\frac{1}{2}$ "

American Iron Cut Tacks.



	1	1½	2	2½	3	4	6	8	10	12	14	16	18	20	22	24 oz.
Per doz., \$	0 40	.45	.45	.50	.55	60	.65	.75	.80	.90	1 00	1 10	1 20	1 30	1 40	1 50

Price per dozen papers.

Quarter Weight Cut Tacks in Assorted Boxes

	3	4	6	8	10	12 oz.
Contents of box,	15	15	25	25	10	10 papers.
List price for box of 100 papers,						\$ 2 88

100 papers, assorted from 3 to 12 ounce.

Swedes Iron Cut Tacks, and Upholsterers.

	½	¾	1	1½	2	2½	3	4	6	8	10	12	14	16	18	20	22	24 oz.
Full, \$	0 60	.70	.80	.90	1 00	1 10	1 20	1 40	1 60	1 90	2 20	2 50	2 80	3 00	3 30	3 60	3 80	4 00
Half,	.30	.35	.40	.45	.50	.55	.60	.70	.80	.95	1 10	1 25	1 40	1 50	1 65	1 80	1 90	2 00

Price per dozen papers.

Copper Tacks.

	½, ¾ & 1	1½	2	2½	3	4	6	8	10	12	14 oz.
Full weight,	\$ 1 12	1 30	1 40	1 60	1 80	2 00	2 52	3 36	4 20	5 04	5 88

Price per dozen papers.

All sizes from ½ to 1½ in., per pound, 56 cts.
 Price per pound. In ½ lb. or 1 lb. papers or in bulk.

Gimp and Lace Tacks.

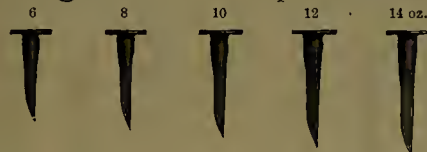
Swedes Iron.



	1	1½	2	2½	3	4	6	8	10	12	14	16	18 oz.
Per dozen,	\$ 0 60	.65	.70	.75	.80	.90	1 00	1 10	1 20	1 35	1 45	1 55	1 75

Price per dozen papers.

Large Head Carpet Tacks.



Ounce,	4	6	8	10	12	14	16	18	20
Per dozen,	\$ 0 60	.65	.75	.80	.90	1 00	1 10	1 20	1 30

Price per dozen papers.

Leather Head Carpet Tacks.

Ounce,	4	6	8	10	12	14
Full count (144 tacks to the paper),	30	32	34	36	38	40 cts.

Price per dozen papers.

Tinned Large Head Carpet Tacks.

Ounce,	4	6	8	10	12	14	16	18	20
Swedes Iron, half weight,	\$ 0 90	1 00	1 15	1 30	1 50	1 65	1 80	2 00	2 15

Price per dozen papers.

Double Pointed Tacks.

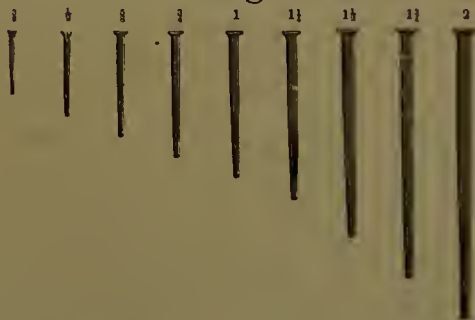


Full size cuts. No. 9. No. 10. No. 11. No. 12. No. 14.

Blued.

Nos.	9	10	11	12	14
Per box,	10	10	10	12	15 cts.

Finishing Nails.



Inch,	1/2	3/4	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2
Per pound,	48	32	26	22	20	18	16	15	14	13	13	13 cts.

In pound papers or in bulk.

Lining Nails.



Flat Head.

Round Head.

Japanned.

Silvered.

Flathead, 4 oz., per paper	4 cents.	Flat Head, 4 oz., per paper,	4 cents.
Round Head, 3 to 12 oz., per paper,	4 "	Round Head, 3 to 12 oz., per paper,	4 "
Round " 14 to 24 oz. " " "	5 "	Round " 14 to 24 oz. " " "	5 "

Three-quarter Count. Twenty papers in a box.

Furniture Nails.



3, Gilt. 4, Gilt. 9, Gilt. 10, Gilt. 11, Gilt. 12, Gilt. 41, Gilt. 42, Gilt. 43, Gilt.
3, Silvered. 4, Silvered. 9, Silvered. 10, Silvered.

Silvered.

Nos.	3	4	9	10
Per thousand,	\$ 2 05	1 92	1 80	1 62

Gilt.

Nos.	3	4	9	10	11	12	41	42	43
Per thousand, \$	1 85	1 75	1 61	1 43	1 24	1 00	1 10	.88	.75

One thousand in a package.

China Nails and Discs.



No. 136, Nails. No. 137, Nails. No. 137½, Nails. No. 137, Plain Discs. No. 137, Fancy Discs.

China Nails.

Nos.	136	137	137½
China Nails, without Discs, per thousand,	\$ 1 10	1 10	1 10

Plain Discs.

Nos.	136	137	137½
Gilt, per thousand,	\$ 0 80	80	80
Silvered, per thousand,	80	80	80
Tin, per thousand,	70	70	70

Fancy Discs.

Nos.	136	137	137½
Gilt, per thousand,	\$ 0 80	80	80
Silvered, per thousand,	80	80	80
Tin, per thousand,	70	70	70

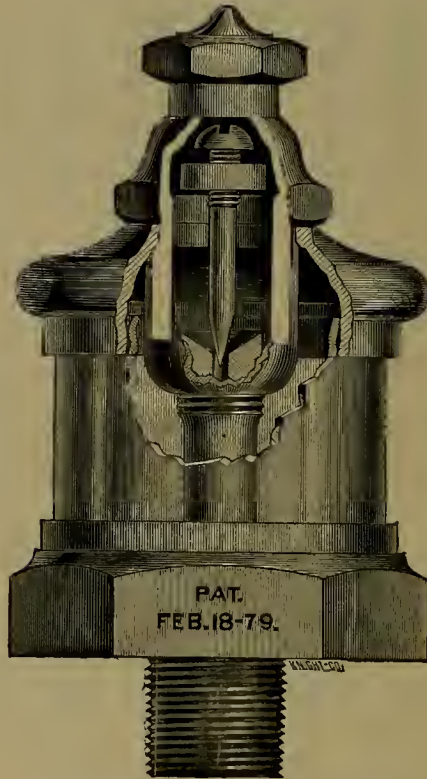
One thousand in a package.

Brass Escutcheon Pins.

Inch,	¼	⅜	½	¾	1	1 ¼	1 ½
No. 15, per pound,	\$ 0 80	75	75	75	75	75	75
No. 16, " "	80	80	80	75	75	75	75
No. 17, " "	90	90	90	80	80	80	75
No. 18, " "	1 00	1 00	1 00	90	90	90	80

One pound in a box.

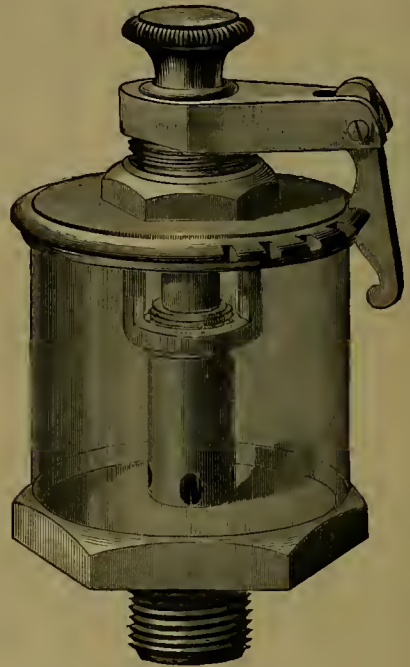
Automatic Crank Pin Cup.



Size—diameter, 1½, 1¾, 2, 2¼, 2½, 3 inches.
Shank Threaded, ½, ¾, 1, 1½, 2, 2½, 3, 4, ½ inch Iron Pipe.

Glass Guide Cup.

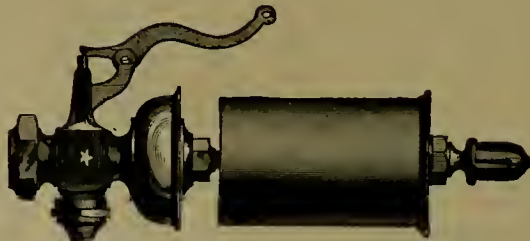
WITH REGISTER FEED.



Size—diameter, 1½, 1¾, 2, 2¼, 2½, 3 inches.
Shank Threaded: ½, ¾, 1, 1½, 2, 2½, 3 inch Iron Pipe.

Glass Guide Cup, size,	1½	1¾	2	2¼	2½	3
Price, each,	\$ 1 90	2 20	2 60	3 00	4 00	6 00
Aut. Crank Pin Cup, each,	1 50	2 00	2 50	3 00	4 00	6 00

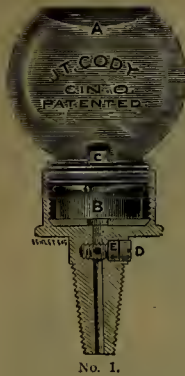
Steam Whistles.



Size, 1, 1½, 1¾, 2, 2½, 3, 3½, 4, 5, 6, 8, 10, 12 inches.

Size—diameter of Bell—inch,	2	2½	3	3½	4	5	6	8
All Brass, Adjustable Lever, each,	\$ 6 50	8 00	9 50	12 00	15 00	24 00	32 00	80 00

Cody Patent Oil Cups.



Shaft Cups, No. 1 and 2, diameter, 1 $\frac{1}{4}$, 2, 2 $\frac{1}{2}$ inches.
 Engine Cups, No. 3, " 1 $\frac{1}{4}$, 2, 2 $\frac{1}{2}$ inches.
 Nos. 1 and 2, Threaded, for $\frac{3}{8}$ Iron Pipe. No. 3, Blank $\frac{1}{2}$ inch.

Size	1 $\frac{1}{4}$	1 $\frac{3}{4}$	2	2 $\frac{1}{2}$	2 $\frac{5}{8}$
Nos. 1 and 2 Shaft Cups, per dozen,	\$	6 00	6 50	7 00	. . . .
Engine Cups No. 3,	8 40	. . . .	10 50	. . . .	12 60

Glass Engine Cups.



Size—diameter, 1, 1 $\frac{1}{2}$, 1 $\frac{3}{4}$, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$, 2 $\frac{3}{4}$, 3 inches.
 Shank Threaded, $\frac{1}{2}$, 1, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$, 3, 3 $\frac{1}{2}$, 4, 4 $\frac{1}{2}$ inch. Iron Pipe Thread.

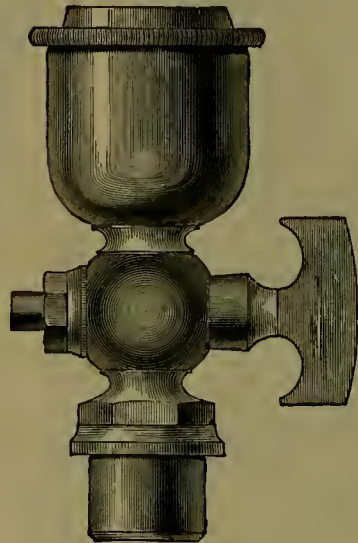
Size—diameter,	1	1 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3
Price, each,	\$ 0 70	. 80	1 00	1 20	1 50	2 00	3 00	4 50

Brass Oil Cups.

PLAIN.



WITH VALVE. T HANDLE.



Size—diameter, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, $1\frac{3}{4}$, 2, $2\frac{1}{4}$, $2\frac{3}{4}$, $2\frac{3}{4}$, 3 inches.
Shank Threaded, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ inch Iron Pipe.

Size—diameter, 1, $1\frac{1}{2}$, $1\frac{1}{2}$, $1\frac{1}{2}$, $1\frac{1}{2}$, 2 inches.
Shank Threaded, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ inch Iron Pipe.

Size—diameter, inch,	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{3}{4}$	$2\frac{3}{4}$	3
Size of Shank,	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
Plain,	\$ 0 24	.28	.33	.38	.44	.56	.75	.95	1 20	1 60	2 10	2 60	3 25
T Handle,	....	....	....	.75	.90	1 15	1 35	1 75	2 25	....	....	....	....

Plain Globe Oil Cup.

STEAM METAL, WITH AIR COCK.



Diameter of Globe, $1\frac{1}{2}$, 2, $2\frac{1}{4}$, $2\frac{3}{4}$, 3, $3\frac{1}{2}$ inches.
Diameter of Shank, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $1\frac{1}{2}$, $1\frac{1}{2}$, $1\frac{1}{2}$ inches.
Cuts to $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ inch Iron Pipe

Size of Globe, inch,	$1\frac{1}{2}$	2	$2\frac{1}{4}$	$2\frac{3}{4}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$
T Handle,	\$ 3 00	3 75	4 50	5 25	6 00	7 50	12 00	16 00

Globe Valve.



Size, inch,	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Price, each,	\$ 0 70	.85	1 15	1 45	1 85	2 80	3 80	6 20	12 00	16 50

Brass Service Cocks.



SQUARE OR FLAT HEADS.

Size, inch,	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2
Price, each,	\$ 0 60	.70	.80	1 15	1 50	2 20	3 20	5 00

Gauge Glasses.



Inches.	Per Dozen.	Inches.	Per Dozen.	Inches.	Per Dozen.
Sizes shorter than	x 13, \$ 5 40	x 20,	\$ 9 60	x 19,	\$ 9 60
x 13,	5 40	x 22,	10 80	x 20,	10 20
x 14,	6 00	x 24,	12 00	x 22,	11 40
x 15,	6 60	x 30,	16 00	x 24,	12 60
x 16,	7 20	Sizes shorter than	$\frac{3}{4}$ x 16, 7 80	x 30,	18 00
x 17,	7 80	x 16,	7 80	x 36,	24 00
x 18,	8 40	x 17,	8 40	x 48,	36 00
x 19,	9 00	x 18,	9 00	x 60,	48 00

Water Gauges.

IRON WHEELS. TWO RODS. ROUGH BODY.



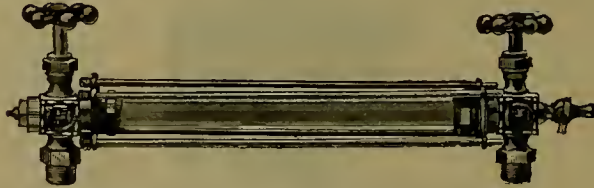
No. 1, for 1/2 inch Pipe.

WOOD OR IRON WHEELS. TWO RODS. FINISHED BODY.



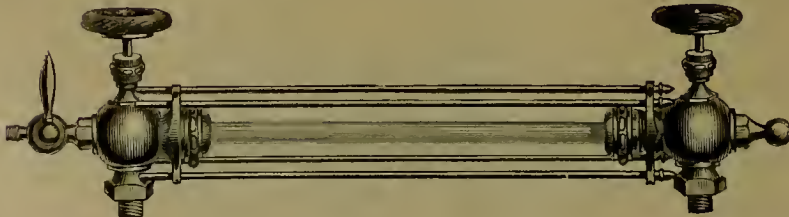
No. 2, for 1/2 inch Pipe.

IRON WHEELS. FOUR RODS. ORNAMENTED BODY.



No. 3, for 1/2 inch Pipe. Glass Slides through the top.

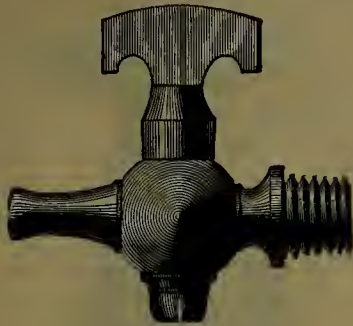
WOOD WHEELS. ROUND. FINISHED BODY.



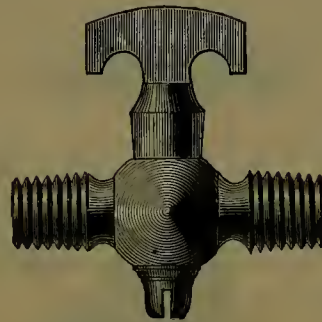
No. 4, for 1/2 inch Pipe. Glass slides through the top.

No. 1, Iron Wheel, Rough Body,	Rods 2	Glass 3/8 x 12	Price \$ 2 75
No. 2, Iron or Wood Wheel, Finished Body,	" 2	" 3/8 x 12	" 5 00
No. 3, Iron Wheel, Ornamented Body,	" 4	" 3/8 x 12	" 6 00
No. 4, Wood Wheel, Finished Body,	" 4	" 3/4 x 16	" 16 00

Air Cocks.



T. H., SINGLE THREAD.



T. H., DOUBLE THREAD.

Size, in.,	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$
T Handle, Single Thread,	\$ 0 45	.50	.60	.90
T " Double "	.55	.60	.80	1 15

Check Valves.

Steam Metal.



HORIZONTAL—SCREW END.



VERTICAL.



ANGLE.

Sizes—inch,	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3
Horizontal,	\$ 0 50	50	55	80	1 10	1 40	2 25	3 10	4 90	10 00	14 00
Vertical,		60	70	90	1 30	1 65	2 75	3 70	5 60	11 00	15 00
Angle,	50	50	55	80	1 10	1 40	2 25	3 10	4 90	10 00	14 00

Angle Valves.

Best Steam Metal.

STANDARD.



Size, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, 1 , $1\frac{1}{2}$, 2 , $2\frac{1}{2}$, 3 , $3\frac{1}{2}$, 4 inches.

FLANGE END.



Size, $\frac{1}{8}$, $\frac{1}{4}$, 1 , $1\frac{1}{2}$, $1\frac{1}{2}$, 2 , $2\frac{1}{2}$, 3 , $3\frac{1}{2}$, 4 inches.

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	$2\frac{1}{2}$	3
Standard,	\$ 0 60	.60	.75	.95	1 30	1 70	2 60	3 60	5 60	11 25	16 00
Flange End,				3 50	4 00	5 00	7 00	9 00	14 00	20 00	26 00

Regester's Patent Gauge Cocks.

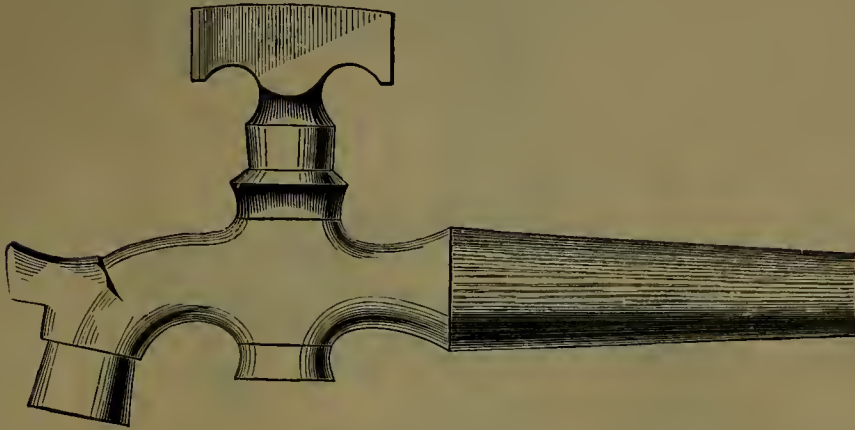


Sizes, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ inch

Price Each, \$ 2 25

Brass Goods.

BRASS RACKING COCKS.



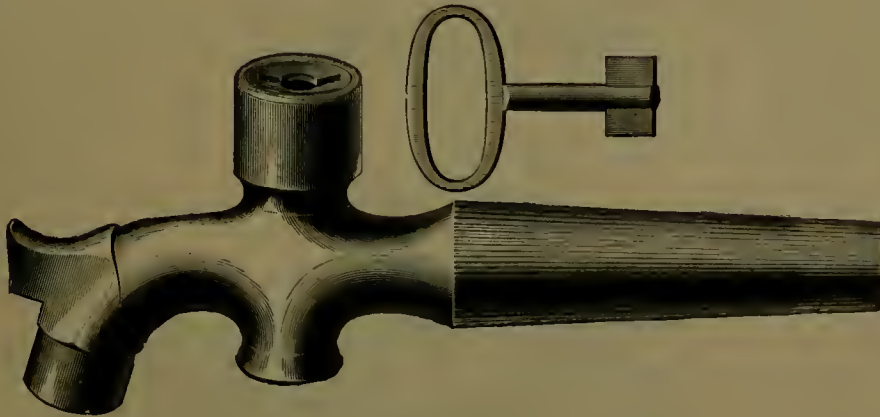
Fast Key, to Drive.

Fast Key, To Drive.

Inch,	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 $\frac{1}{2}$
Per dozen,	\$ 5 00	7 50	10 00	14 50	17 00	23 00	30 00

Fast Key, To Screw.

Inch,	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Per dozen,	\$ 5 50	8 50	11 00	16 00	19 00	25 00	32 50



Loose Key, To Drive.

Loose Key, to Drive.

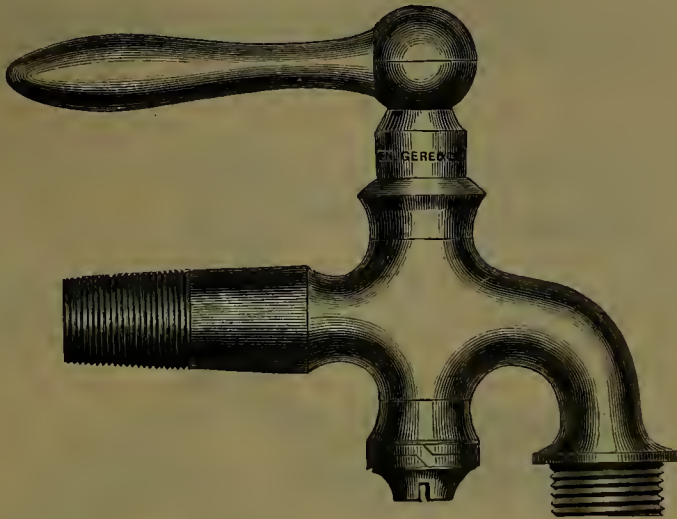
Inch,	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Per dozen,	\$ 6 50	8 50	12 00	16 50	20 00	33 00

Loose Key, To Screw.

Inch,	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1
Per dozen,	\$ 7 00	9 00	13 00	18 00	22 00	37 50

Half dozen in a box.

Hose Bibb, Screwed for Iron Pipe, without Shoulder.



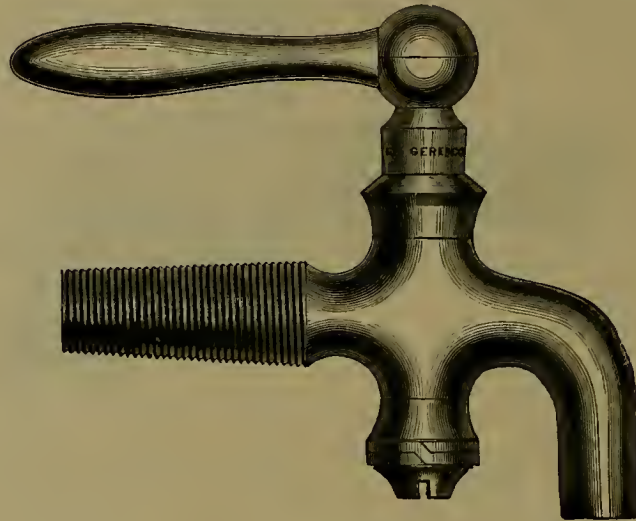
Size,	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Rough, per dozen,	\$ 15 00	18 00	25 00	38 00	54 00	84 00
Finished, per dozen,	16 50	20 00	28 00	42 00	62 00	96 00

Compression Hose Bibbs, For Iron Pipe.



Size,	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Rough, per dozen,	\$ 11 50	13 00	21 00	36 00	52 00	80 00
Finished, per dozen,	12 00	14 00	22 00	40 00	60 00	92 00

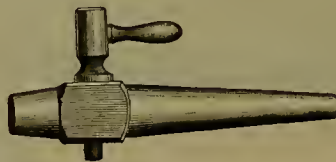
Brass Lever Bibbs.



Screw Shank, Nut and Washer Bottom, Finished.

Inch,	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Per dozen,	\$ 10 00	12 50	16 50	20 00	27 00	41 00	62 00	94 00

Cork Lined Wood Faucets.



Nos.	0	2	4	6	8	9	10
Length—inch,	6	7	8	9	10	18	11 in. (thick).
Per dozen,	\$ 0 75	.75	1 00	1 25	1 50	6 50	8 50

Hose Pipes.



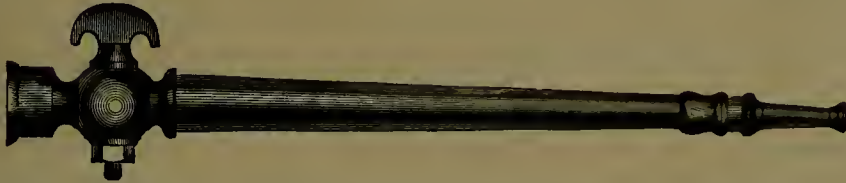
SCREW TIP—CAST TUBE.

Size, inch,	$\frac{3}{4}$	$\frac{1}{2}$	1	1	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2
Cast Tube, length,	8	12	8	10	12	12	15	12	15	15
Per dozen,	\$ 7 00	9 00	9 00	10 50	12 00	17 00	21 00	20 00	25 00	40 00



LONG PATTERN, COCK ON SMALL END.

Size, inch,	$\frac{3}{4}$	$\frac{1}{2}$	1	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2
Length,	8	12	8	12	12	15	15	15
Per dozen,	\$ 12 50	16 00	15 00	20 00	34 00	60 00	100 00	



LONG PATTERN, COCK ON LARGE END.

Size, inch,	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2	2	$2\frac{1}{2}$
Length,	14	16	18	20	18	20	24	18	24	24
Per dozen,	\$ 24 00	34 00	40 00	50 00	72 00	78 00	84 00	120 00	136 00	200 00



SHORT PATTERN, COCK ON LARGE END.

Size, inch,	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1	$1\frac{1}{4}$	$1\frac{1}{2}$
Length,	8	9	12	8	12	15	18
Per dozen,	\$ 12 00	14 00	15 00	14 00	18 00	34 00	60 00



HOSE COUPLING.

Size, inch,	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Per dozen,	\$ 2 40	2 40	4 40	10 00	14 00	24 00	40 00	76 00

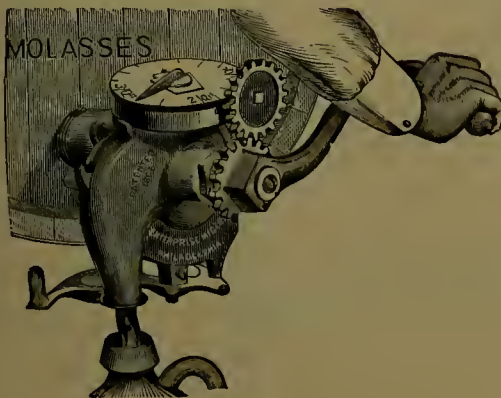
Molasses and Oil Gates.



Stebbin's Pattern. Screw Shank.

No.	1	2	3	4	5
Bore, inches,	1	1½	1¾	1⅞	1⅞
Per dozen,	\$ 7 00	8 00	9 00	10 00	12 00

Half dozen in a box.



Enterprise Self-measuring
Faucets.

For Molasses, Oils, Varnishes, &c., per
dozen, \$ 42 00

Full cases contain one dozen.



We make Till either for
Coin or Strip.

Tucker's Patent Alarm Till Lock
and Drawer

Black Walnut.

SIX COIN CUPS, 32 CHANGES OF COMBINATION.

Per dozen, \$ 42 00

Sprague Patent Can Openers.



No. 1.

No. 1, Iron Handle, Steel Blade, per dozen, \$ 2 00



Nos. 2 and 3.

No. 2, Wood Handle, Steel Blade, per dozen, \$ 2 25

No. 3, Imitation Ebony Handle, Steel Blade, per dozen, 2 50

Star Can Openers.



No. 1, per dozen, \$ 7 25

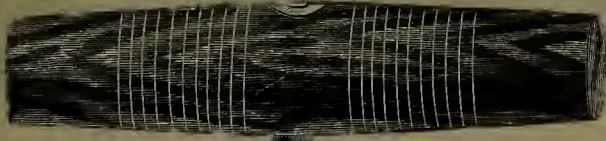
One dozen in a box.

Cigar Box Openers.



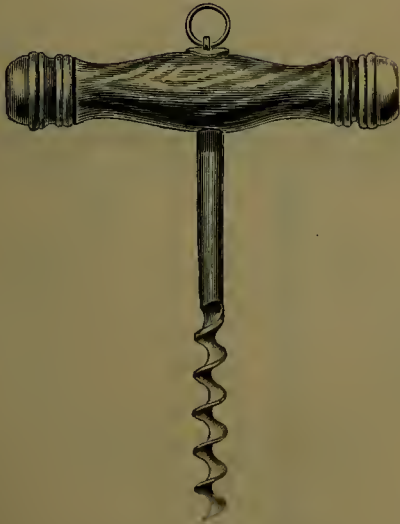
No. 1, per dozen, \$ 6 25

Cork Screws.



No. 10.

Full size.



No. 40. About half size.



No. 28. About half size.

No. 10, Rosewood Handle, per dozen,	.	.	.	.	\$ 2 90
No. 28, " " with Brush, per dozen,	.	.	.	.	5 80
No. 40, Maple " " " "	.	.	.	.	3 50

Cork Screws—Continued.



Full size of No. 119.

EXTRA HEAVY.



No. 120. About half size.



No. 34. About half size.

No. 119, Enameled Handle	per dozen,	.	.	.	.	.	\$ 3 00
No. 34, Rosewood	" "	.	.	.	.	.	9 50
No. 120, Maple	" "	.	.	.	.	.	3 50

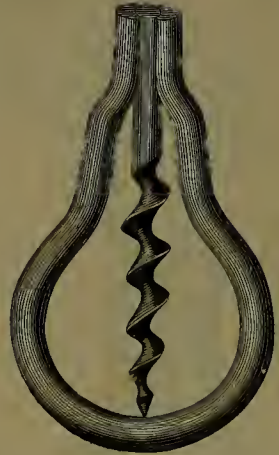
Cork Screws—*Continued.*



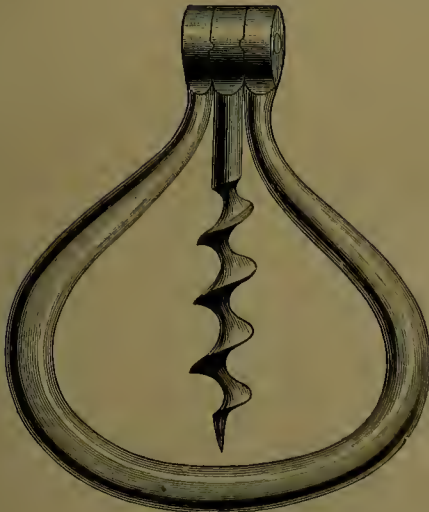
No. 20. Full size.



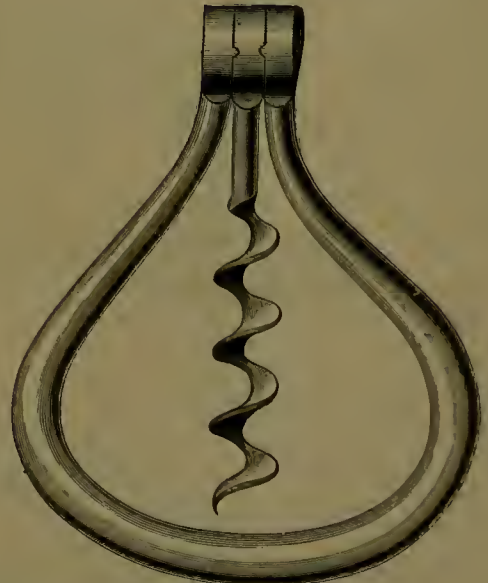
No. 46. About half size.



No. 13. Full size.



No. 62. Full size.



No. 61. Full size.

No. 13, Best Cast Steel, per dozen,	\$ 3 00
No. 20, Pocket, Steel, Nickel-plated Case and Handle, per dozen,	7 50
No. 46, Bright Steel, Metal Handle, per dozen,	5 50
No. 61, Pocket, per dozen,	6 00
No. 62, " " " " " " " " " " " "	5 50

Revolvers.



COLT'S SELF-COCKERS.

SMITH & WESSON'S

	Blue.	Plated.
38 Cal.,	\$ 14 75	\$ 15 60
41 Cal., with or without Ejector,	16 75	17 25
44 Cal., Model 1873, Cartridge,	20 60	21 25
45 Cal., Army,	20 60	21 25
44 Cal., Model '73, Single Action.	14 50	15 50

	Single Action.	Double Action.
32 Cal., Blue or Plated,	\$ 10 55	\$ 11 65
38 Cal.,	11 55	12 75
44 Cal., Russian Model, Blue or Plated,	16 10	18 35
Ivory and Pearl Handles Extra.		

Merwin & Hulbert's Automatic Revolvers.



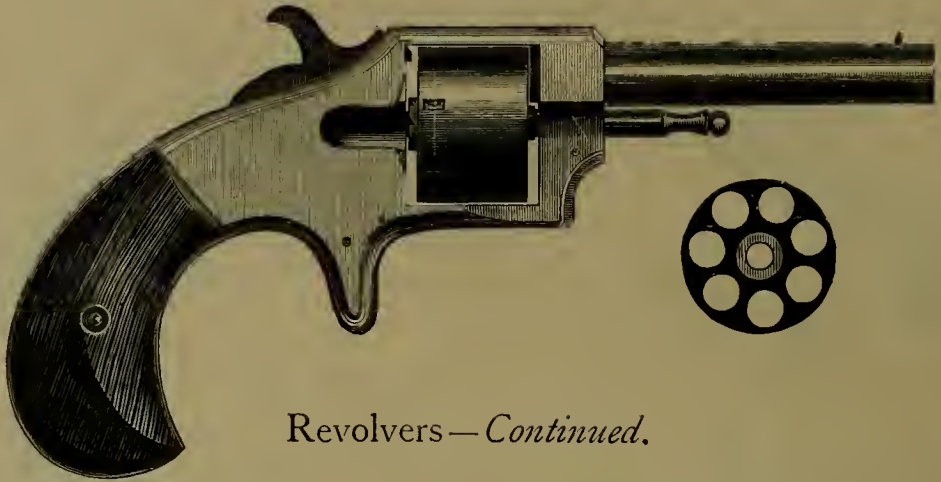
POCKET ARMY.

44 Cal., Model 1873, Rubber,	\$ 15 00
44 Cal., " Ivory and Intaglio, Floral,	20 00
44 Cal., " Same, with Pearl Stock,	24 00
38 Cal., " Size of S. & W. Revolver,	12 00
Self-cocking, 44, Model 1873,	17 00



ARMY.

44 Cal., Model 1873, Nickel, Rubber,	\$ 17 00
44 Cal., " Ivory and Intaglio, Floral,	23 25
44 Cal., " Pearl and Intaglio, Floral,	27 00
Self-cocking, 44, Model 1873,	19 00



Revolvers—Continued.

Defender, 5-Shot, 32 Cal., Plated,	\$ 1 90
“ “ 32 Cal., Long, Plated, Fluted,	2 00
“ “ 32 Cal., “ “ “ Rub'r,	2 25
“ “ 32 Cal., “ “ Ivory, Eng.	3 75
Smoker, 5-Shot, 38 Cal., Plated,	3 00
“ “ 38 Cal., “ Engraved,	3 50
“ “ 38 Cal., “ Ivory, Engraved,	4 50
Remington Double Derringer, 41 Cal., R. F. Nickel,	6 00
Remington, 5-Shot, 38 Cal., } Blue,	8 50
with extra, P. & B. Cylinder } Plated,	9 00
Remington, Powder and Ball, 7½ in., Blue,	5 00
Royal Top Spinning Pistol, per dozen,	2 60

Gem Blank Cartridge Pistol, per dozen,	\$ 4 50
Eclipse, Single Shot, 22 Cal., Plated, each,	1 00
“ “ “ 32 Cal., “ “	1 35
Defender, 7-Shot, 22 Cal., Plated,	1 15
“ “ 22 Cal., “ Long Fluted,	1 35
“ “ 22 Cal., “ “ Engraved,	1 50
“ “ 22 Cal., “ “ Rubber,	1 50
“ “ 22 Cal., “ “ Ivory, En.,	2 25
Tyeoon 22 Cal., Fluted, Fine,	2 25
“ 22 Cal., “ Engraved, Fine,	2 65
Smith & Wesson Model, 7-shot, 22 Cal., Plated,	6 00

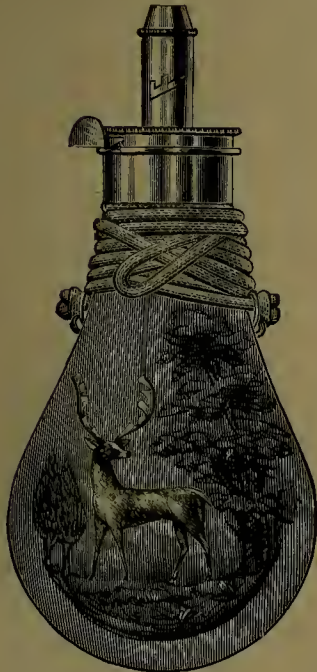


Saw Handle Revolvers.

Defender, 22 Long, Saw Handle, Rubber,	\$ 1 90
“ 22 Long, “ Ivory, Engraved,	2 75
“ 22 Long, “ Pearl, “	4 00
“ 32 Long, “ Rubber,	3 00
“ 32 Long, “ Ivory, Engraved,	4 50

Defender, 32 Long, Saw Handle, Pearl, Engraved,	\$ 6 00
Smoker, 38 Long, Saw Handle, Rubber,	4 00
“ “ “ Ivory and Engraved,	5 50
“ “ “ Pearl and Engraved,	7 00

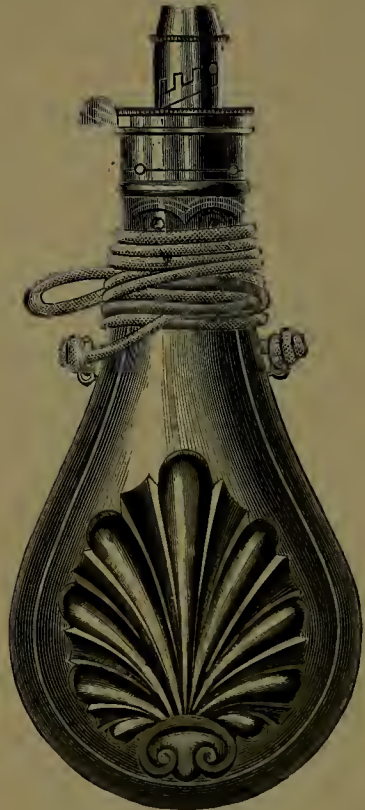
Powder Flasks.



No. 32.



No. 42



No. 44.



No. 58.

No. 32, Eight oz., patent inside, per dozen,
 No. 42, Ten oz., patent inside, per dozen,
 No. 44, Twelve oz., patent inside, per dozen,
 No. 58, Sixteen oz., patent inside, per dozen,

6 75
 8 75
 10 25
 12 00

HAZARD POWDER COMPANY.
Gunpowder

Canister Powder.

EXTRA	{	ELECTRIC GUNPOWDER, in 1 lb. Canisters, 12 lb. Cases,	\$ 1 00 per lb.
		AMERICAN SPORTING, " 1 " " 25 " "	70 "
		DUCK SHOOTING " 1 " " 25 " "	70 "
		" " " 1/2 " " 25 & 12 1/2 " "	80 "
		KENTUCKY RIFLE " 1 " " 25 " "	50 "
		" " " 3/4 " " 25 & 12 1/2 " "	80 "
		" " " 1 " " 12 1/2 " "	75 "
		ENFIELD RIFLE (Fairlawn Mills) in 1 lb. Canisters, 25 lb. Cases,	50 "
" " " " " 1/2 " " 25 " "	40 "		
" " " " " 3/4 " " 12 1/2 " "	05 "		

Keg Powder.

EXTRA	{	AMERICAN SPORTING, "game size," Nos. 2 and 3, in 61 lb. Metal Kegs,	\$ 4 00 per keg.
		DUCK SHOOTING, Nos. 1, 2, 3 and 4, in 61 lb. Metal Kegs,	7 50 "
		" " Nos. 2, 3 and 4, in 12 1/2 lb. Metal Kegs,	14 00 "
		" " Nos. 2, 3 and 4, in 25 lb. Metal Kegs,	3 25 "
		" " Nos. 2, 3 and 4, in 5 lb. Metal Cans,	7 00 "
		SEA SHOOTING, F O, in 25 lb. Metal Kegs	3 75 "
		" " " 12 1/2 " " "	2 25 "
		" " " 6 1/2 " " "	7 00 "
		KENTUCKY RIFLE, FFG and FFFG, in 25 lb. Metal Kegs,	3 75 "
		" " " " " 12 1/2 " " "	2 25 "
		" " " " " 0 1/2 " " "	5 50 "
		ENFIELD RIFLE, in 25 lb. Kegs (Deer Powder, Fairlawn Mills),	3 00 "
" " " 12 1/2 " " "	1 75 "		
" " " 6 1/2 " " "	6 00 "		
CANNON POWDER, U. S. Government strength, in 25 lb. Kegs,	8 00 "		
MUSKET " " " " " " " " " " " "	4 00 "		
MINING " " " " " " " " " " " "	3 25 "		
MINING AND BLASTING POWDER, in 25 lb. Kegs, CC, C, F, FF, FFF,	6 00 "		
MEAL POWDER, in 25 lb. Kegs,	6 00 "		

THE CALIFORNIA POWDER WORKS,
SANTA CRUZ, CAL.

Canister Powder.

DUCK SHOOTING	{	CABINET, Nos. 1, 2, 3, 4 and 5 grain in 1 lb. Canisters, 12 lb. Cases,	\$ 1 00 per lb.
		EUREKA, " 1, 2, 3, 4 and 5 " 1 " " 25 " "	70 "
		CAL SPORTING, " 1, 2, 3 and 4 " 1 " " 25 " "	70 "
		" " " 1, 2, 3 and 4 " 1/2 " " 25 " "	70 "
		" " " 1, 2, 3 and 4 " 3/4 " " 12 1/2 " "	70 "
		QUAIL SHOOTING, " 1, 2 and 3 " 1 " " 25 " "	50 "
		" " " 1, 2 and 3 " 1/2 " " 25 " "	60 "
		" " " 1, 2 and 3 " 3/4 " " 12 1/2 " "	60 "
		PACIFIC RIFLE " 1 and 2 " 1 " " 25 " "	50 "
		" " " 1 and 2 " 1/2 " " 25 " "	80 "
		" " " 1 and 2 " 3/4 " " 12 1/2 " "	80 "
		VALLEY MILLS, " 1, 2 and 3 " 1 " " 25 " "	50 "
		" " " 1, 2 and 3 " 1/2 " " 25 " "	50 "
		" " " 1, 2 and 3 " 3/4 " " 12 1/2 " "	65 "
PISTOL POWDER, best quality " 1 " " 0 1/2 " "	1 00 "		

Keg Powder.

DUCK SHOOTING	{	CABINET, Nos. 1, 2, 3, 4 and 5 grain, in 61 lb. Kegs,	\$ 5 50 per keg.
		EUREKA, " 1, 2, 3, 4 and 5 " 61 " " 4 00 "	7 50 "
		" " " 1, 2, 3, 4 and 5 " 12 1/2 " " 14 00 "	5 00 "
		" " " 1, 2, 3, 4 and 5 " 25 " " 3 25 "	5 25 "
		CAL SPORTING, " 1, 2, 3 and 4 " 61 " " 10 00 "	2 25 "
		QUAIL SHOOTING, " 1, 2, 3 and 4 " 12 1/2 " " 3 75 "	7 00 "
		" " " 1, 2 and 3 " 25 " " 2 25 "	3 75 "
		" " " 1, 2 and 3 " 61 " " 7 00 "	2 25 "
		PACIFIC RIFLE, " 1 and 2 " 61 " " 3 75 "	7 00 "
		" " " 1 and 2 " 12 1/2 " " 1 87 1/2 "	3 25 "
		SEA AND RIVER SHOOTING, " 3 and 4 " 25 " " 6 00 "	1 75 "
		" " " 3 and 4 " 12 1/2 " " 3 00 "	5 50 "
		" " " 3 and 4 " 25 " " 0 00 "	6 00 "
		VALLEY MILLS, " 1, 2 and 3 " 61 " " 0 00 "	6 00 "
" " " 1, 2 and 3 " 12 1/2 " " " " "	\$ 3 25 in 25 lb. Kegs, C, FC, FM, F, FF, FFF		
" " " 1, 2 and 3 " 25 " " " " "	4 00 "		
CANNON, Government Proof, in 25 lb. Kegs,	0 00 "		
MUSKET, " " " " " " " " " " " "	0 00 "		
BLASTING AND MINING POWDER, " " " " " " " " " " " "	0 00 "		
CALIFORNIA BLASTING POWDER, " " " " " " " " " " " "	0 00 "		
MEAL, " " " " " " " " " " " "	0 00 "		
No. 1 XX HERCULES POWDER, WHITE, " " " " " " " " " " " "	75 cts. per lb.		
No. 2 " " " " " " " " " " " "	50 "		
No. 3 " " " " " " " " " " " "	35 "		
		BLACK,	

Rim Fire Cartridges.

	Per 1000.	Case Contains.	Quantity of Powder.	Weight of Ball.	Weight of Case.	Primed Shells. Per M.
22 Short,	\$ 5 00	10 M.	3 grs.	30 grs.	69 lbs.	\$ 2 00
22 Long,	6 00	10 "	5 "	30 "	76 "	2 50
22 Extra Long,	9 00	10 "	7 "	40 "	95 "	3 00
25	8 50	5 "	5 "	38 "	46 "	3 00
30 Short,	9 00	5 "	6 "	55 "	66 "	3 00
30 Long,	10 50	5 "	9 "	55 "	70 "	3 60
32 Extra Short,	10 00	5 "	6 "	55 "	64 "	3 00
32 Short,	10 00	5 "	9 "	82 "	87 "	3 60
32 Long,	11 50	5 "	13 "	90 "	101 "	4 00
32 Extra Long,	16 50	2 "	20 "	90 "	47 "	6 50
38 Short,	16 00	5 "	18 "	130 "	142 "	5 00
38 Long,	18 00	3 "	21 "	148 "	94 "	6 00
38 Extra Long,	25 00	2 "	38 "	148 "	77 "	9 50
41 Short,	15 00	3 "	13 "	130 "	81 "	4 50
41 Long,	17 50	3 "	16 "	130 "	85 "	5 50
44 Short,	23 00	2 "	21 "	200 "	83 "	6 00
44 Flat, Winchester & Henry,	24 00	2 "	28 "	200 "	89 "	7 50
44 Pointed " "	25 00	2 "	26 "	200 "	88 "	7 50
44 Flat, Winchester & Colt,	25 00	2 "	23 "	200 "	89 "	7 50
44 Long, Ballard,	25 00	2 "	28 "	220 "	94 "	7 50
44 Extra Long, Howard,	27 00	1 "	30 "	220 "	52 "	9 00
46 Short,	25 00	2 "	26 "	230 "	95 "	7 50
46 Long,	33 00	2 "	40 "	300 "	126 "	8 50
56-46 Spencer Sporting,	40 00	1000	45 "	330 "	77 "	12 00
56-50 " Carbine,	40 00	1000	45 "	350 "	82 "	12 00
56-52 " Rifle	40 00	1000	45 "	386 "	87 "	12 00
56-56 " Carbine,	40 00	1000	45 "	350 "	78 "	12 00
B. B. Caps, No. 1,	4 00	10 M.			39 "	

Central Fire Cartridges.

Pistol Sizes.

Primer used, No.		Per 1000.	Case Contains.	Quantity of Powder.	Weight of Ball.	Weight of Case.	Primed Shells, Per 1000.	Bullets Per 1000.
1½	32 S. & W.,	\$ 11 00	5 M.	9 grs.	85 grs.	98 lbs.,	\$ 6 00	\$ 3 00
1½	32 Colt,	11 00	5 "	12 "	90 "	107 "	6 00	3 00
1½	32 Short,	11 00	5 "	9 "	82 "	97 "	6 00	3 00
1½	32 Long,	12 00	5 "	13 "	90 "	108 "	6 50	3 00
1	32 Ex. Long,	18 00	2 "	20 "	105 "	56 "	8 00	3 50
1	32 Winchester,	16 00	2 "	20 "	115 "	63 "	9 00	4 00
	32 H. & R.,	14 00	5 "	15 "	88 "	103 "	7 50	4 50
	32 S. & W. Rifle,	20 00	3 "	17 "	101 "	89 "	10 00	5 00
1½	38 M. & H.,	13 50	2 "	14 "	145 "	66 "	8 00	4 50
1½	38 S. & W.,	13 50	2 "	14 "	145 "	65 "	7 50	4 50
1½	38 Short,	13 50	4 "	18 "	130 "	119 "	7 00	4 00
1½	38 Long Colt D. A.,	14 50	4 "	21 "	148 "	131 "	7 50	4 50
1	38 Ex. Long,	23 00	2 "	38 "	160 "	85 "	11 00	5 00
1	38 Winchester,	19 00	2 "	40 "	180 "	90 "	10 00	5 00
2	41	15 00	3 "	20 "	130 "	92 "	7 50	4 00
1½	41 Colt, Double Action,	17 50	2 "	21 "	200 "	85 "	8 00	6 00
2	44 Bull Dog,	14 50	2 "	14 "	168 "		7 50	5 00
2	44 Webley,	16 50	2 "	18 "	200 "	91 "	8 00	6 00
2	44 Colt,	20 00	2 "	23 "	210 "	98 "	10 00	6 00
2	44 S. & W., American,	19 00	2 "	25 "	205 "	90 "	8 50	6 00
2	44 S. & W., Russian,	20 00	2 "	23 "	235 "	103 "	9 50	6 50
1	44 Winchester,	19 00	2 "	40 "	200 "	100 "	10 00	6 00
1	44 Evans, Old,	22 00	2 "	28 "	215 "	96 "	9 50	6 50
1	44 " New,	26 00	2 "	42 "	380 "	127 "	11 00	8 00
2	44 Ex. Long,	30 00	2 "	48 "	250 "	124 "	14 00	9 00
1½	44 M. & H.,	20 00	2 "	30 "	220 "	99 "	10 00	6 50
2	45 Webley,	20 00	2 "	20 "	230 "	99 "	9 50	6 00
1½	45 Colt's Arm. & D. A.,	22 00	2 "	35 "	260 "	119 "	10 50	7 00
2	45 S. & W.,	25 00	2 "	30 "	250 "	111 "	10 50	7 00
2	50 Pistol,	28 00	1 "	25 "	300 "	68 "	13 00	8 00

Military and Sporting Central Fire Cartridges.

ALL PACKED 1000 IN A CASE.		Per 1000.	Weight of Powder.	Weight of Ball.	Weight of Case.
38-55	grs. Ballard,	\$ 33.00	55 grs.	255 grs.	70 lbs.
40-50	" Patched,	35.00	50 "	285 "	79 "
40-50	" " Straight Shell,	35.00	45 "	265 "	76 "
40-70	" " " "	40.00	65 "	330 "	91 "
40-70	" " " "	40.00	70 "	370 "	103 "
40-60	Marlin,	33.00	60 "	260 "	79 "
40-65	Hotchkiss,	33.00	65 "	260 "	79 "
40-70	Ballard,	40.00	70 "	330 "	93 "
40-70	What Cheer,	40.00	70 "	380 "	
40-90	" " " "	50.00	90 "	500 "	
40-90	Sharp and Remington Special,	45.00	90 "	370 "	108 "
40-90	Straight,	50.00	90 "	370 "	
42	Russian,	39.00	77 "	370 "	101 "
42	" Carbine,	37.00	60 "	370 "	
43	Spanish, Grooved,	35.00	77 "	395 "	100 "
43	Carbine,	33.00	60 "	400 "	
43	Egyptian,	37.00	70 "	400 "	
44-60	grs. Grooved,	39.00	60 "	395 "	104 "
44-60	" Patched,	40.00	60 "	395 "	104 "
44-77	" " " "	44.00	77 "	470 "	120 "
44-90	" Regular,	45.00	90 "	470 "	131 "
44-90	Remington and Sharp's Special,	56.00	90 "	520 "	131 "
44-105	" " " "	58.00	105 "	520 "	131 "
45	Sharp's Special, $2\frac{4}{10}$ and $2\frac{6}{10}$ in.	58.00	100 "	500 "	
45	" " $2\frac{7}{8}$ in.	60.00	100 "	550 "	
45	" " $3\frac{1}{4}$ in.	80.00	120 "	550 "	
45	Sporting,	34.00	50 "	290 "	80 "
45	Government,	35.00	70 "	405 "	98 "
45	" Carbine,	35.00	55 "	405 "	97 "
45-70	Marlin,	36.00	70 "	405 "	98 "
45	Peabody-Martini Carbine,	37.00	55 "	400 "	
45	Martini-Henry,	42.00	85 "	480 "	119 "
45-60	Winchester,	33.00	60 "	300 "	88 "
45-75	" " " "	35.00	75 "	350 "	100 "
45	Danish,	33.00	50 "	380 "	
45	Van Choate,	40.00	70 "	420 "	
45	Roumanian,	40.00	70 "	380 "	
50-70	Musket,	37.00	70 "	450 "	106 "
50	Carbine,	30.00	50 "	400 "	89 "
50-90	Sharp's,	58.00	90 "	473 "	131 "
50	Sporting,	44.00	70 "	425 "	106 "
50	Winchester Express,	40.00	95 "	300 "	97 "
58	Snider (Turkish Model),	36.00	85 "	480 "	
58	Musket,	44.00	85 "	530 "	131 "
58	Carbine,	37.00	40 "	530 "	
58	Roberts,	42.00	70 "	480 "	107 "

All above Cartridges take the Winchester No. 2½ Primer, except 38 Ballard and 40-60 Marlin, 40-65 Hotchkiss, and 45-70 Marlin, which take the No. 1 Primer.

Primed Shells and Bullets

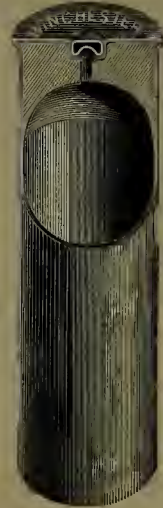
For Military and Sporting Central Fire Cartridges.

	Primed Shells. Per M.	Grooved Bullets. Per M.	Patched Bullets. Per M.	Weight of Bullet.	Length of Shell.
38-55 Ballard,	\$ 18 00	\$ 9 50		255 grs.	2 $\frac{1}{10}$ in.
40-50 Patched,	20 00		\$11 00	285 "	1 $\frac{11}{16}$ "
40-50 " Straight Shell,	20 00		11 00	265 "	1 $\frac{7}{8}$ "
40-70 " " "	22 00		11 50	330 "	2 $\frac{1}{8}$ "
40-70 " " "	21 00		12 50	370 "	2 $\frac{1}{4}$ "
40-60 Marlin,	18 00	9 00		260 "	2 $\frac{1}{10}$ "
40-65 Hotchkiss,	18 00	9 00		260 "	2 $\frac{1}{10}$ "
40-70 Ballard,	19 00		11 50	330 "	2 $\frac{3}{8}$ "
40-70 What Cheer,	19 00		15 00	380 "	1 $\frac{3}{4}$ "
40-90 " " "	21 00		20 00	500 "	2 $\frac{1}{16}$ "
40-90 Sharp's and Remington Special,	25 00		12 50	370 "	2 $\frac{5}{8}$ "
40-90 Straight,	26 00		12 50	370 "	3 $\frac{1}{4}$ "
42 Russian,	22 00		12 00	370 "	2 $\frac{1}{4}$ "
42 " Carbine,	20 00		12 00	370 "	1 $\frac{7}{8}$ "
43 Spanish,	18 00	10 50		395 "	2 $\frac{1}{4}$ "
43 Carbine,	17 00	10 00		400 "	1 $\frac{7}{8}$ "
43 Egyptian,	22 50	10 00		400 "	1 $\frac{11}{16}$ "
44-60 Grooved,	21 00	12 00		395 "	1 $\frac{9}{10}$ "
44-60 Patched,	21 00		12 50	395 "	1 $\frac{9}{10}$ "
44-77 " " "	22 50		16 00	470 "	2 $\frac{1}{4}$ "
44-90 Regular,	22 50		16 00	470 "	2 $\frac{1}{4}$ "
44-90 Remington and Sharp's Special,	28 50		18 00	520 "	2 $\frac{5}{8}$ & $\frac{7}{16}$
44-105 " " "	28 50		18 00	520 "	2 $\frac{5}{8}$ & $\frac{7}{16}$
45 Sharp's Special, 2 $\frac{4}{10}$ and 2 $\frac{6}{10}$ in.	28 50		18 00	500 "	2 $\frac{1}{10}$ & $\frac{6}{10}$
45 " " 2 $\frac{7}{16}$ in.	30 00		20 00	550 "	2 $\frac{7}{16}$ in.
45 " " 3 $\frac{1}{4}$ in.	42 00		20 00	550 "	3 $\frac{1}{4}$ "
45 Sporting,	19 00		12 00	290 "	1 $\frac{3}{4}$ "
45 Government,	22 00	12 00		405 "	2 $\frac{1}{10}$ "
45 " Carbine,	22 00	12 00		405 "	2 $\frac{1}{10}$ "
45-70 Marlin,	22 00	12 00		405 "	2 $\frac{1}{10}$ "
45 Peabody-Martini Carbine,	19 00		15 00	400 "	1 $\frac{5}{8}$ "
45 Martini-Henry,	19 00		16 00	480 "	2 $\frac{1}{16}$ "
45-60 Winchester,	20 00	9 00		300 "	1 $\frac{7}{8}$ "
45-75 " " "	20 00	9 50		350 "	1 $\frac{7}{8}$ "
45 Danish,	18 00	10 00		380 "	1 $\frac{2}{2}$ "
45 Van Choate,	22 50		15 00	420 "	2 $\frac{1}{4}$ "
45 Roumanian,	22 50		14 50	380 "	1 $\frac{11}{16}$ "
50-70 Musket,	22 50	12 00		450 "	1 $\frac{3}{4}$ "
50 Carbine,	15 50	10 50		400 "	1 $\frac{7}{10}$ "
50-90 Sharp's,	32 00		16 00	473 "	2 $\frac{1}{2}$ "
50 Sporting,	22 50		15 00	425 "	1 $\frac{3}{4}$ "
50 Winchester Express Hollow Ball,	23 00	11 00		300 "	1 $\frac{11}{16}$ "
50 " " Solid "	23 00	9 00		312 "	1 $\frac{11}{16}$ "
58 Snider (Turkish Model),	17 00	14 00		480 "	1 $\frac{9}{16}$ "
58 Musket,	24 00	15 00		530 "	1 $\frac{3}{4}$ "
58 Carbine,	18 00	15 00		530 "	1 $\frac{1}{8}$ "
58 Roberts,	23 00	15 00		480 "	1 $\frac{3}{8}$ "

Winchester Paper Shells.



No. 4 Gauge,	per 1,000,	\$ 36 00
No. 8 " 3¼ inch or under,	"	25 00
No. 8 " over 3¼ inch,	"	28 00
No. 10 " 2⅞ inch or under,	"	12 00
No. 10 " over 2⅞ inch,	"	13 00
No. 12 " 2⅝ inch or under,	"	11 00
No. 12 " over 2⅝ inch,	"	12 00
No. 14 "	"	10 00
No. 16 "	"	10 00
No. 20 "	"	10 00



These shells are warranted equal to any in the market, either foreign or domestic, and can be reloaded.

In reloading these shells use only the Winchester Improved No. 2 Primer.

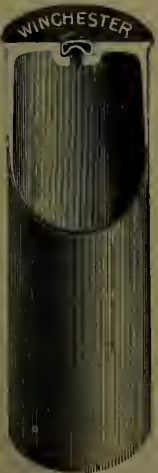
Second Quality Paper Shells.

No. 10 Gauge, 2⅞ and 2⅝ inch only,	per 1,000,	\$ 9 50
No. 12 Gauge, 2⅝ inch only,	"	8 50

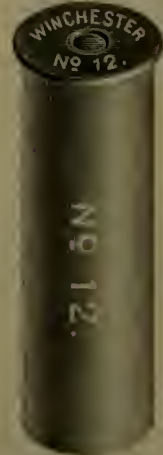
XX Paper Shells or Third Quality.

No. 10 Gauge, 2⅞ inch only,	per 1,000,	\$ 9 00
No. 12 Gauge, 2⅝ inch only,	"	8 00

Winchester Brass Shells.



No. 8, over 3 inch,	per 100,	\$ 20 00
No. 8, 3 inch or under,	"	18 00
No. 10, over 2⅝ inch,	"	10 50
No. 10, 2⅝ inch or under,	"	10 00
No. 12, over 2⅝ inch,	"	10 50
No. 12, 2⅝ inch or under,	"	10 00
No. 14,	"	10 00
No. 16,	"	10 00
No. 20,	"	10 00
58 Calibre,	"	4 50



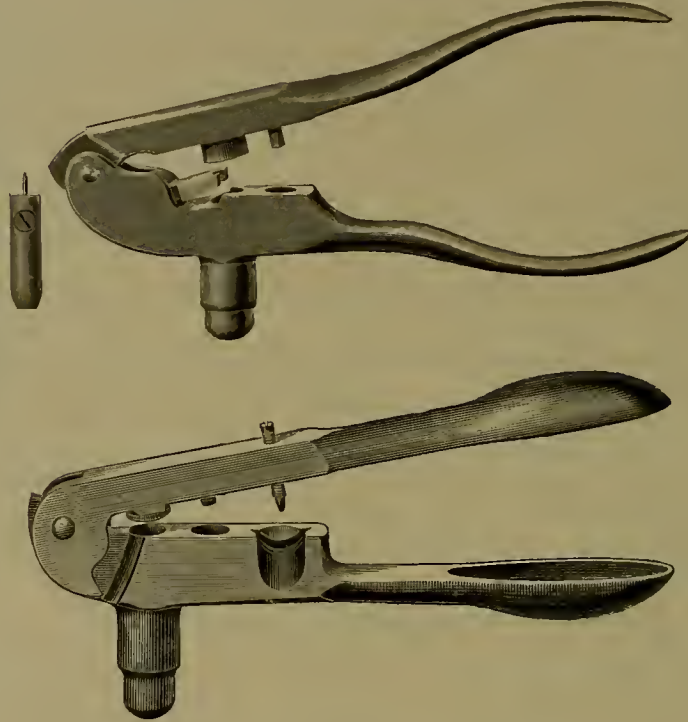
In reloading these shells use only the Winchester Improved No. 2 Primer.

Second Quality or XX Brass Shells.

No. 10, under 2⅞ inch,	per 100,	\$ 8 00
No. 12, under 2⅝ inch,	"	8 00

Tools


FOR RELOADING CENTRAL FIRE CARTRIDGES.




For Reloading the following.


	Reloader.	Bullet Mold.	Charge Cup.	Per Set.
All Pistol sizes, and 32, 38 and 44 Winchester, Model 1873,	\$ 2 50	\$ 1 50	\$ 0 10	\$ 4 00
All Sporting and Military Cartridges,	3 50	1 50	10	5 00
For Express Cartridges,	3 50	2 00	10	5 50


Price List of Primers.

 No. 1, Winchester improved Primers, adapted to 32 and 38 Winchester, 38 Ex. Long, 44 Winchester, 44 Evans, and 40-60 Marlin, in quarter boxes, per M., \$ 2 00

 No. 1½, Winchester Improved Primers, adapted to 32 S. & W., 32 Colt, 32 Long, 32 Short, 38 Short, 38 M. & H., 38 Long Colt, D. A., 38 S. & W., 41, 41 Colt, D. A. 44 Colt, 44 M. & H., 45 Colt, in quarter boxes, per M., \$ 2 00


Same size as No. 1, but thinner metal and more sensitive.

 No. 2, Winchester Improved Primers, adapted to 44 Webley, 44 S. & W. Russ, 44 S. & W. Am., 44 Remington, 44 Long, 45 Webley, 45 S. & W., 50 Pistol and Paper and Brass Shot Shells, in quarter boxes, per M., \$ 2 00

 No. 2½ Winchester Improved Primers, adapted to all military and sporting cartridges, in quarter boxes, per M., \$ 2 00

Same size as No. 2, but thicker metal and less sensitive.

 No. 2, Berdan Caps, in quarter boxes, per M., \$ 1 70

 No. 1, Berdan Caps, in quarter boxes, per M., \$ 1 70

Fuse.

Hemp, for Wood Blasting, per 1,000 feet,		\$
Cement, No. 1, for Blasting in Damp or Ordinary Ground, per 1,000 feet,		\$
" " 2, " Heavy, Soggy " " "		
Single Tape, " Ordinary " " "		
Double Tape, " Wet " " "		
Triple Tape, " Wet Ground or Water, " " "		
Water-proof, equal to Double Tape for Dry or Wet Ground,	" "	
Submarine, equal to Triple Tape for Wet Ground or Water,	" "	

Bar Lead.

In half pound bars. 100 pounds in a box.

Per pound,		\$
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Shot.

In 25 lb. Sacks.

No. 12,	\$	No. 4, for Rabbit, Duck, Hare, etc.,	\$
No. 11,		No. 3, " " " "	
No. 10, for Snipe shooting,		No. 2, for Geese,	
No. 9, for Quail and Robin,		No. 1, " "	
No. 8, " " "		No. B, " "	
No. 7, " " "		No. BB, " "	
No. 6, for Rabbit, Duck, Hare, etc.,		No. BBB, " "	
No. 5, " " "			

Balls.

Per Sack.

Per Sack.

No. 140, for 5-shooter,	\$	No. 50, for Dragoon,	\$
No. 0 and No. 00,		No. 32, 1/2-ounce,	
No. 000, or No. 85, for 6-shooter,		No. 16, 1-ounce,	

Percussion Caps.

Single, Water-Proof.

100 in Box. Nos. 9, 24, 10, 11, 18, 12, 13, 14, per 1,000,	\$
250 " Nos. 9, 24, 10, 11, 18, 12, 13, 14, per 1,000,	\$

Double, Water-Proof.

100 in Box. Nos. 9, 24, 10, 11, 18, 12, 13, 14, per 1,000,	\$
250 " Nos. 9, 24, 10, 11, 18, 12, 13, 14, per 1,000,	\$

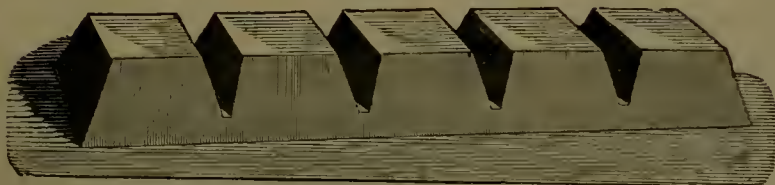
Hicks' Musket Caps.

100 in a Box, Per 1,000,	\$
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Gun Wads.

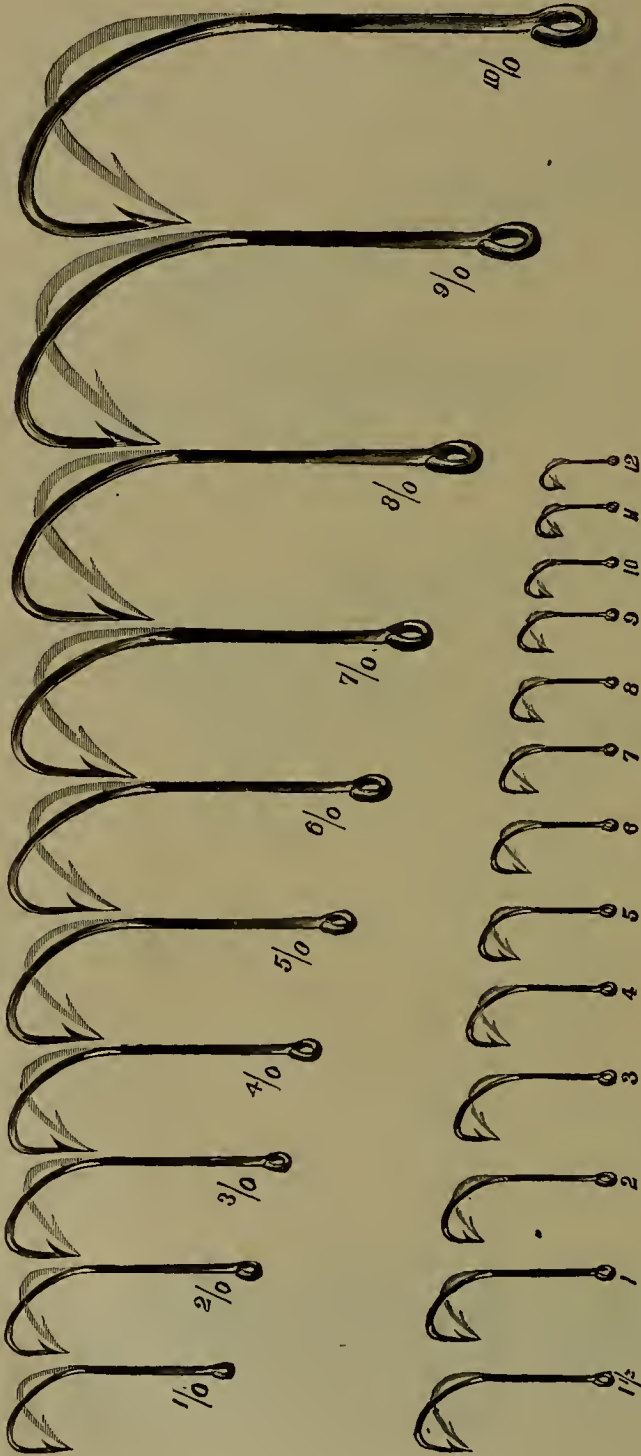
Nos. 11, 12, 13, 14, 15, 16, 17, 18 (250 in a Box), per dozen boxes,	Black Edge. \$ 2 00	Pink Edge. \$ 3 10
Nos. 9 and 10, per dozen boxes,	2 30	4 00
Nos. 8, per dozen boxes,	2 60	4 90
Nos. 7, per dozen boxes,	2 60	4 90

Babbitt Metal.



Quality,	No. 1.	No. 4a.	No. 4.
Per Pound,	\$ .....	.....	.....

Copyright, 1884, by CHAS. F. IMBRIE.



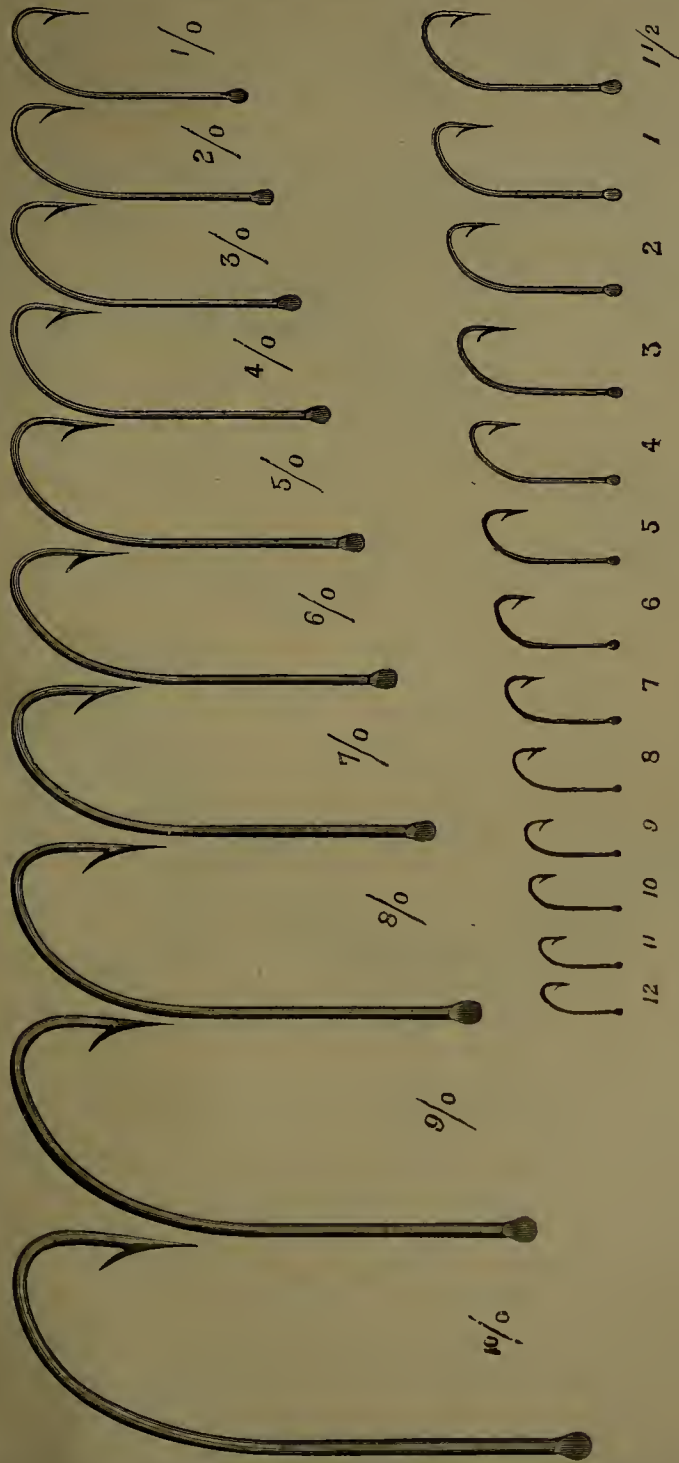
ABBIEY & IMBRIE'S

Best Hollow Point, Kirby Limerick Hook,

RINGED.

For Price List, see page 280.

Copyright, 1881, by CHAS. F. IMBRIE.



ABBIEY & IMBRIE'S

**Best Hollow Point, Limerick Hook;
FLATTED.**

For Price List, see page 280.

Price of Kirby and Limerick Fish Hooks, Ringed.

Nos. 1 to 12, per 1,000,	\$ 1 42	No. 5-0, per 1,000,	\$ 2 84
No. 1½, per 1,000,	1 58	No. 6-0, "	3 44
No. 1-0, "	1 74	No. 7-0, "	4 28
No. 2-0, "	1 92	No. 8-0, "	6 00
No. 3 0, "	2 06	No. 9-0, "	7 58
No. 4-0, "	2 46	No. 10-0, "	9 08

Price of Kirby and Limerick Fish Hooks, Flatted.

Nos. 1 to 12, per 1,000,	\$ 1 16	No. 5-0, per 1,000,	\$ 2 66
No. 1½, "	1 34	No. 6-0, "	3 08
No. 1-0, "	1 56	No. 7-0, "	3 88
No. 2-0, "	1 74	No. 8-0, "	5 44
No. 3-0, "	1 92	No. 9-0, "	6 36
No. 4-0, "	2 28	No. 10-0, "	7 90

Limerick on Single Gut.

No. 1, per gross,	\$ 4 50	No. 3, per gross,	\$ 3 75
No. 2, "	4 00	Nos 4, 5, 6, and 7, per gross,	3 50

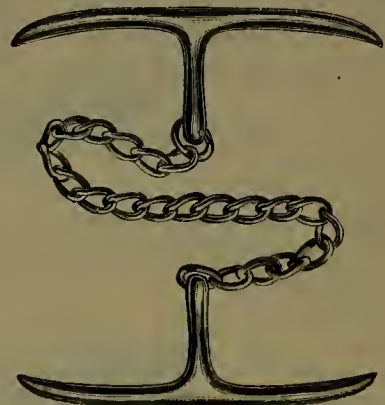
Fish Lines.

Eureka, 15 ft., No. 1, per gross,	\$ 1 85	Linen, 15 ft., No. 12, per gross,	\$ 2 75
" " No. 2, "	2 00	" " No. 16, "	2 90
" " No. 3, "	2 25	" " No. 19, "	3 15
Linen, " No. 8, "	2 65	" " No. 27, "	4 50

Tower's Handcuffs, Leg-irons, and Chain Police Nippers.



Handcuffs.



Chain Police Nippers. Improved Pattern.



Leg-irons.

Polished.

Handcuffs, for two hands, per pair,	\$ 4 00
Handcuffs, three hands, for conveying three prisoners together, per pair,	6 00
Leg-irons, per pair,	6 50

Nickel Plated.

Handcuffs, for two hands, per pair,	\$ 5 00
Handcuffs, for three hands, for conveying three prisoners together, per pair,	7 50
Leg-irons, per pair,	8 00
Tower's Chain Police Nippers, per dozen,	12 00
Phillips' Patent Police Nippers, per dozen,	18 00

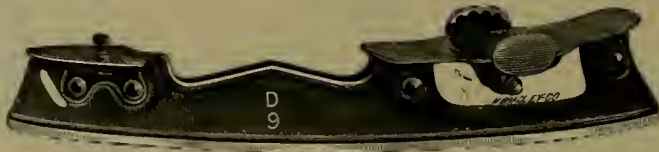
Handcuffs and Leg-irons, one pair in a box.

Club Skates.



No. B.

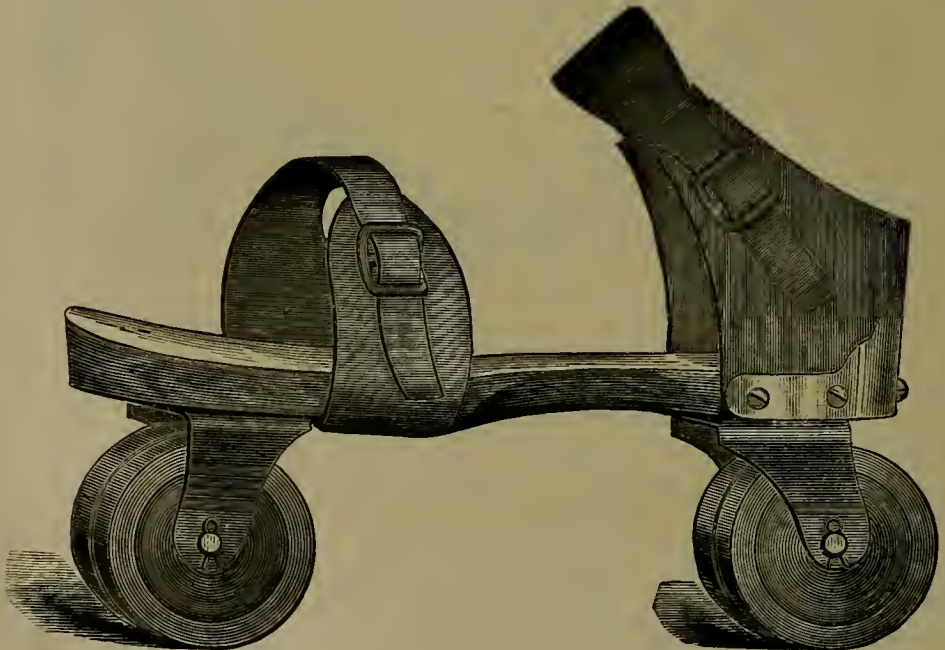
No. B, Club Skates, Boys', New Pattern, Japanned, Heel Buttons and Plates, Broad Toe Straps, Single Buckle; Sizes, 7, 7½, 8, 8½, 9, 9½, 10, 10½, 11, 11½ inches, per pair, \$ 1 25
 These Skates are made for service. The Blades are strong and tough, and will not break in use.



No. D.

No. D. Club Skates, with Heel Plates; Sizes, 8, 8½, 9, 9½, 10, 10½, 11 inches, per pair, \$ 2 00
 This Skate is of a New Design, and secured by Letters Patent. Clamps operated by a Double Right and Left Screw, being made from Superior Brand of Charcoal Iron. Is fully warranted not to break in use. Price guaranteed to be as low as any goods of same grade.

New York Roller Skates.



No.	1	2	3	4	5	6	7
Foot Plate, inches,	7	7¾	8¼	9	9½	10¼	11
Per pair,							\$

Bird Cage Hooks.



Half size cut of Nos. 25 and 26.

WROUGHT SCREW.

Tuscan Bronzed.

Berlin Bronzed.

No. 25, Tuscan Bronzed, per dozen, . \$ 0 90 | No. 26, Berlin Bronzed, per dozen, . \$ 1 10

One dozen in a box.

Bird Cage Hooks.



One-third size cut of No. 5.



One-third size cut of No. 10

FANCY BRONZED ASSORTED COLORS.

Narrow Base.

No. 5, Green, Red and Blue, per dozen, . \$ 2 20

Broad Base.

No. 10, Green, Red and Blue, per dozen, . 2 65

Half dozen in a package.



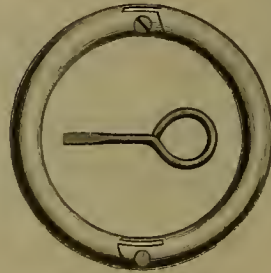
Half size cut of No. 15.

WROUGHT SCREW.

No. 15, Tuscan Bronzed, per dozen, . \$ 1 00

One dozen in a box.

Bull Rings.



No. 11, 2½ inch Polished Steel, per dozen,	\$ 5 40
No. 21, 2½ inch Copper, " " " " " "	8 40

One dozen in a box.

Ox Bow Pins.



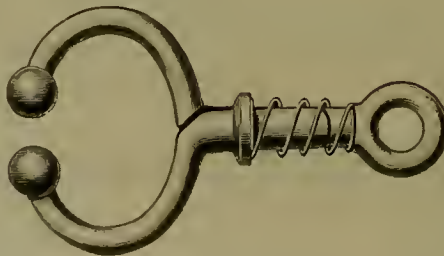
Malleable.



Half size cut of No. 2.

No. 1, 1¾ inch, Malleable, per dozen	\$ 1 25
No. 2, 2 " " " "	1 50
No. 3, 2¼ " " " "	1 75
No. 4, 2½ " " " "	2 25
No. 2, Polished Steel, per dozen,	1 50

Cattle Leaders.



Half size cut of No. 52.

No. 51, Malleable Iron, Brass Wire Spring, per dozen,	\$ 2 70
No. 52, " " " " " " " "	3 12

One dozen in a box.

Trace Chains.

Straight Links, with Hook, per pair,	.	.	.	.	.	.	.	.	\$ 1 00
" " " Rings, "	.	.	.	.	.	.	.	.	1 00
Twisted " " " "	.	.	.	.	.	.	.	.	1 25
" " " Hook, "	.	.	.	.	.	.	.	.	1 25

German Halter Chain.



4½ Feet.

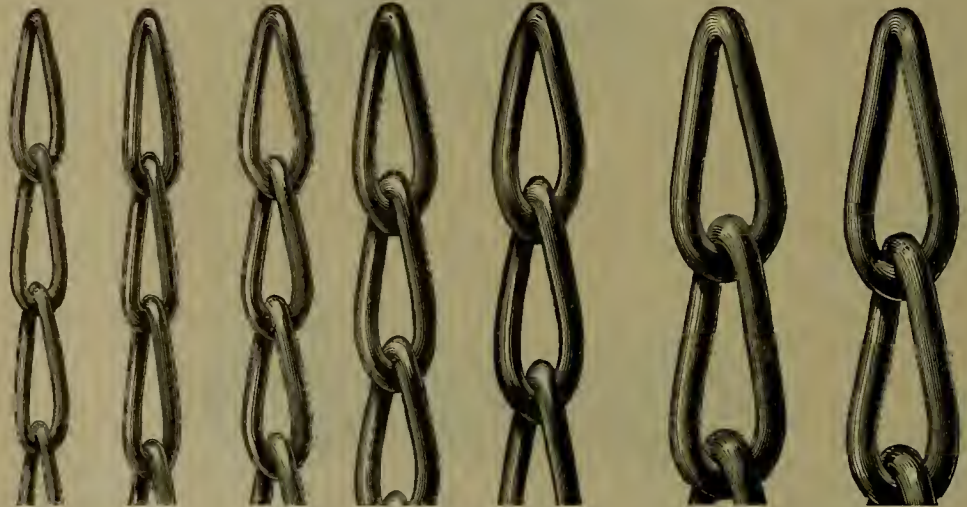
Nos.	3-0	2-0	0	1	2	3	4	5	6
Per dozen, \$	5 00	4 25	3 75	3 30	3 00	2 90	2 80	2 75	2 70

6 Feet.

Nos.	3-0	2-0	0	1	2	3	4	5	6
Per dozen, \$	6 75	5 75	5 00	4 40	4 00	3 90	3 80	3 70	3 60

Nos. 3-0, 2-0 and 0, half dozen in a package; other numbers one dozen.

German Coil Chain.



Nos.	4	3	2	1	0	2-0	3	4	
Per 100 feet,			\$ 7 00	6 00	5 25	4 50	4 00	3 90	3 80
No. Wire Gauge,			5	6	7	8	9	10	11

One hundred feet in a package.

Jack Chain.



No. 22. No. 20. No. 18. No. 17. No. 16. No. 15. No. 14. No. 12. No. 10.

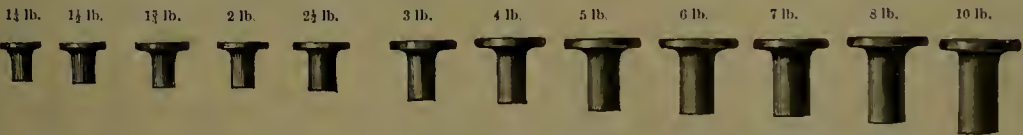
Iron.

Nos.	5	6	7	8	9	10	11	12	13	14
Per dozen yards,	\$ 3 20	2 60	2 20	1 90	1 65	1 40	1 20	90	75	65
Nos.	15	16	17	18	19	20	21	22	23	24
Per dozen yards,	\$ 0 55	50	45	42	40	38	36	34	34	34

Brass.

Nos.	5	6	7	8	9	10	11	12	13	14
Per dozen yards,	\$ 9 00	7 50	6 25	5 25	4 50	3 75	3 20	2 50	2 05	1 70
Nos.	15	16	17	18	19	20	21	22	23	24
Per dozen yards,	\$ 1 40	1 25	1 10	1 00	85	70	60	55	55	55

Black and Tinned Iron Rivets.



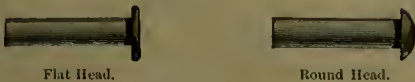
Black Iron.

Ounce,	8	10	12	14	Lb., 1	1 1/4	1 1/2	1 3/4	2	2 1/4	3	3 1/2	4	5	6	7	8	9	10	12	14	16
Per M.,	\$ 0 20	22	24	26	27	29	32	36	40	47	53	58	64	75	90	1 05	1 20	1 27	1 40	1 70	1 90	2 20

Tinned Iron.

Ounce,	8	10	12	14	Lb. 1	1 1/4	1 1/2	1 3/4	2	2 1/4	3	3 1/2	4	5	6	7
Per M.,	\$ 0 24	25	28	30	33	37	41	47	52	63	72	80	88	1 05	1 26	1 50

Iron Rivets in Bulk.



Flat Head.

Round Head.

Half inch and longer, Flat or Round Head.

Wire, diameter,	1/16	3/8	11/32	5/16	1/4	
Per pound,	\$ 0 11 1/2	11 1/2	11 1/2	12 1/2	13	
Wire, Nos.	1	2	3	4	5	6
Per pound,	\$ 0 12 1/2	12 1/2	13	13	14	14

Block and Carriage Rivets.



Flat Head.

Round Head.

	Price per 100.												
WIRE NOS.	3/4	3/8	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3	3 1/2	4 in.	
3	24	27	30	33	36	42	48	54	60	66	75	84	94
4	21	24	26	29	32	37	42	47	53	58	66	75	84
5	18	21	22	25	27	31	35	40	45	49	57	66	74
6	16	18	19	21	22	25	29	33	37	41	49	57	64
7	14	16	17	19	20	23	26	29	33	36	42	58	64
8	11	13	14	16	18	20	23	25	28	30	35	40	44
1/4 in.	24	27	30	33	36	42	48	54	60	66	75	84	94

Shovels.



STRAP BACK, LONG HANDLE, ROUND POINT.

AMES' Cast Steel, per dozen,		\$ 14 50
GARNER'S Cast Steel, per dozen,		9 00
" " Spading, per dozen,		9 50
" " Plain Back, per dozen,		10 00
" " Spring Point, per dozen,		12 00
EDWARD'S " Spring Point, Three Rivet, per dozen,		10 00
CARTER'S " Plain Back, per dozen,		12 00



LONG HANDLE, SQUARE POINT

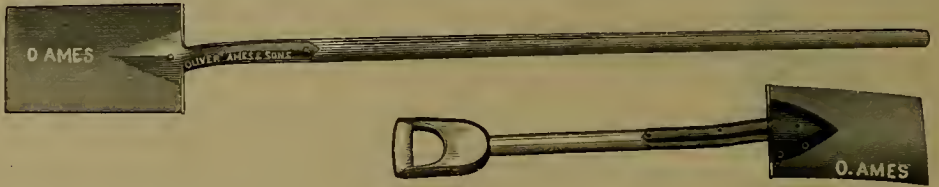
AMES' Cast Steel, per dozen,		\$ 14 50
GARNER'S Cast Steel, per dozen,		9 00
" " Plain Back, per dozen,		10 00



D HANDLE, ROUND AND SQUARE POINT.

AMES' Cast Steel, Round, per dozen,		\$ 15 25
" " Square, "		14 50
GARNER'S Cast Steel, Round, per dozen,		9 50
" " Square, "		9 00

Shovels, Spades and Scoops.



LONG AND D HANDLE SPADES.

AMES' Cast Steel, per dozen,	\$ 14 50
GARNER'S Cast Steel, per dozen,	9 00
“ “ “ Plain Back, per dozen,	10 00

PLAIN BACK COAL SHOVEL.



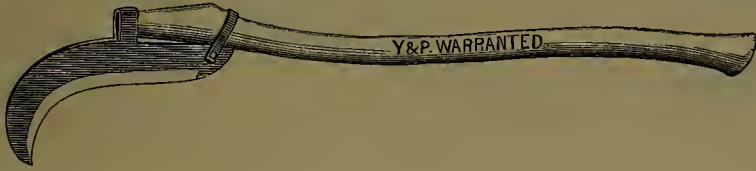
No. 4, AMES' Black, Cast Steel Edge, Plain Back Coal Shovel, per dozen,	\$ 18 50
No. 5, “ “ “ “ “ “ “ “	19 50
No. 6, “ “ “ “ “ “ “ “	20 50

SCOOPS.



No. 4, AMES' Cast Steel, Full Polished Grain Scoop, per dozen,	\$ 20 00
No. 5, “ “ “ “ “ “	21 00
No. 6, “ “ “ “ “ “	22 00
No. 4, NEELSON'S Cast Steel, Full Polished, Grain Scoop, per dozen,	15 00
No. 5, “ “ “ “ “ “	16 00
No. 6, “ “ “ “ “ “	17 00
No. 4, “ “ Half Polished, “ “	14 00
No. 5, “ “ “ “ “ “	15 00
No. 6, “ “ “ “ “ “	16 00
No. 8, SANDERSON'S Iron, “ “ “ “	18 00
No. 10, “ “ “ “ “ “	20 00

Cast Steel Axe Handle Bush Hook,



Standard size, per dozen,	\$ 15 00
Heavy, per dozen,	20 00

Grass Hooks and Sickles.

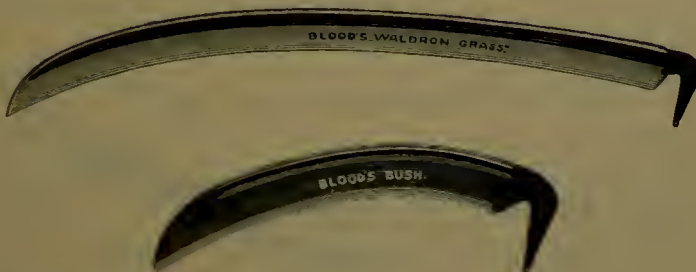


Nos.	3	4
Grass Hooks, per dozen,	\$ .....	.....
Sickles,

Scythe Stones.

10 inch, Painted Ends, in $\frac{1}{4}$ and $\frac{1}{2}$ gross boxes, per gross,	\$
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Scythes.



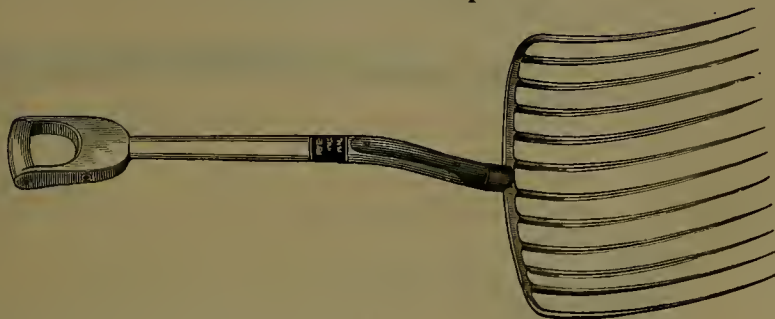
Blood's Grass Scythe, Champion, per dozen,	\$ 12 00
" " " Waldron, "	12 00
" Bush " per dozen,	15 00

Manure Forks.



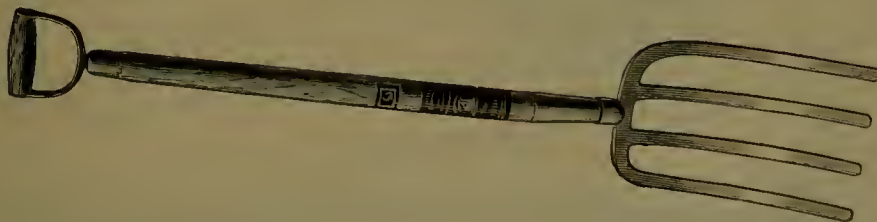
4	Tine, Oval, Long Handle, Strap Ferrule, per dozen,	\$ 12 50
5	" " " " " " " " " " " "	17 00
4	" " " D Handle, " " " " " "	12 50
5	" " " " " " " " " " " "	17 50

Coke Forks.—Strap Ferrule.



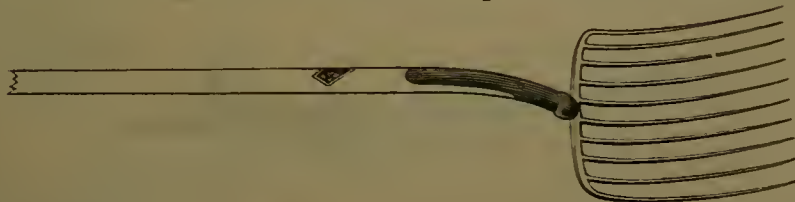
D Handle, Twelve Tines, Diamond, Half Bright, per dozen,	\$ 60 00
Long Handle, Twelve Tines, Diamond, Half Bright, per dozen,	60 00

Spading Forks.



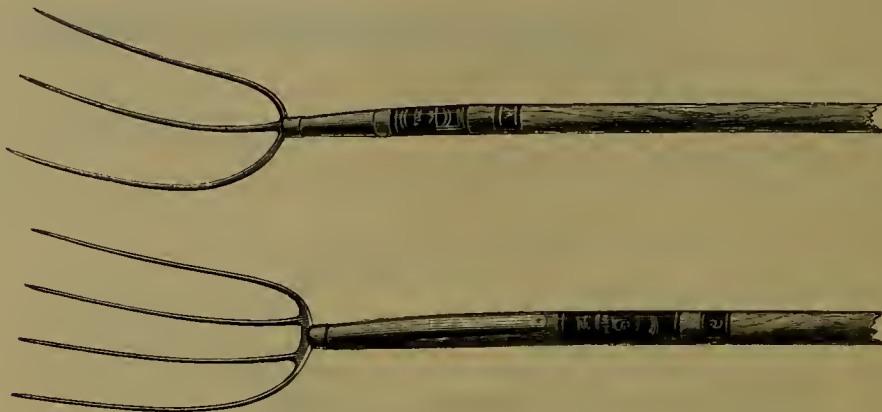
4 Tined Long Handled, per dozen,	\$ 17 50
4 " " " " strapped, per dozen,	19 00
4 " D " " " " " " " " " "	18 00
4 " D " " " " " " " " " "	19 50
5 " Long Handled, per dozen,	23 50
5 " " " " " " " " " " " "	25 00
5 " D " " " " " " " " " "	24 00
5 " D " " " " " " " " " "	25 50

Sluice Forks.—Strap Ferrule.



8 Tine, Oval Back, 13 inch Tine, per dozen,	\$ 25 00
9 " " " 13½ " " " " " " " " " "	30 00
10 " " " 13½ " " " " " " " " " "	30 00

Hay and Header Forks.



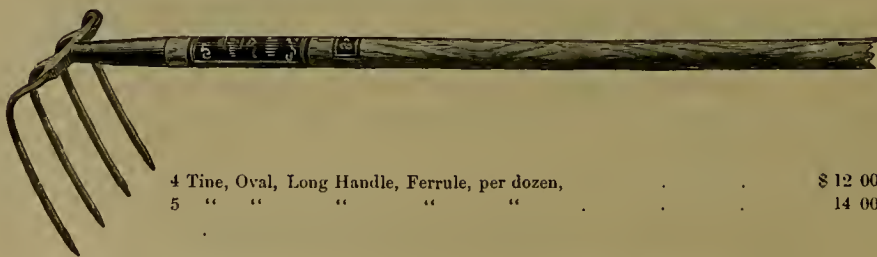
THREE TINE HAY FORKS.

Oval, 3 Tine, Strapped Ferrule, 13 inch Tines, 6 foot Handles, per dozen,	\$ 11 50
Oval, 3 " " " " 14 " " " " " " " " " " " "	13 50
Oval, 3 " " " " 15 " " " " " " " " " " " "	14 00
Oval, 3 " " " " 16 " " " " " " " " " " " "	15 00

HEADER FORKS.

3 Tine, 16 inch, Oval, Strapped Ferrule, 4½ Feet, Bent Handles, per dozen,	\$ 15 00
4 " 15 " " " " " 4½ " " " " " " " " " "	17 50
4 " 16 " " " " " 4½ " " " " " " " " " "	18 50

Potato Hooks.



4 Tine, Oval, Long Handle, Ferrule, per dozen,	\$ 12 00
5 " " " " " " " " " " " " " " " "	14 00



Lightning Hay Knives, as per cut, per dozen,	\$ 24 00
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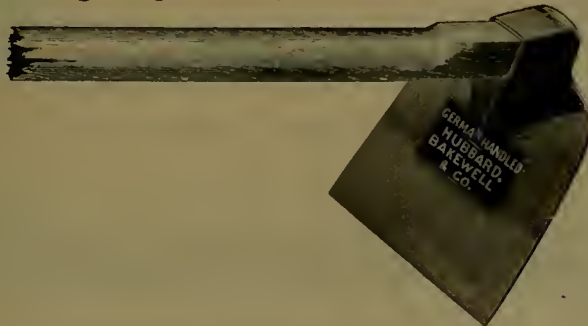
Planters' Hoes.



Round Eye. Half Bright.

Nos.	1	2	3	4	5	6
Inch,	7½	8	8½	9	9½	10
Per dozen,	\$ 6 00	6 50	7 00	7 50	8 00	8 50

Clod Breaking, Square Eye, German Handled Hoes.

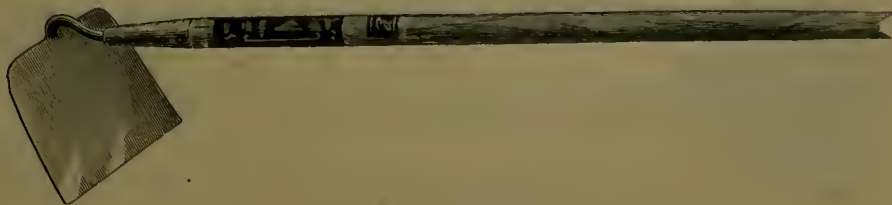


Self-tightening.

This is the ONLY square eye hoe made without welding at the eye. All others are welded, and therefore not so strong.

Number	5-0	4 0	3-0	2-0	0
Size, inch,	5	5½	6	6½	7
All Polished, per dozen,	\$ 8 75	9 00	9 50	10 00	10 50

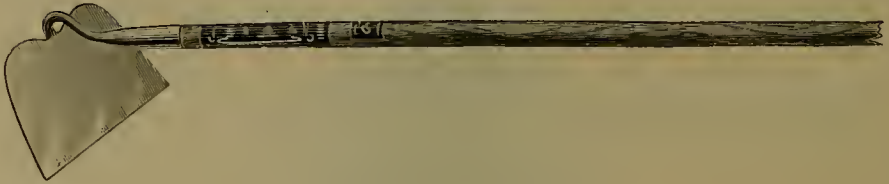
Handled Planters' Hoes.



Heavy Standard.

No. 1, Solid Shank, 7½ inch Blade, per dozen.	\$ 11 00
No. 2, " " 8 inch Blade, "	11 50
No. 1, Socket, 7½ inch Blade, per dozen,	12 50
No. 2, " 8 " "	13 00

Field and Garden Hoes.



FULL POLISH AND GOLD BRONZE FINISH.

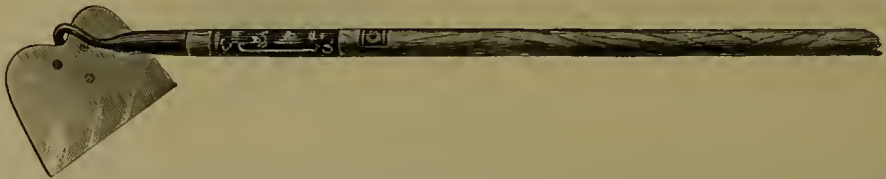
Socket.

No. 1, 8½ inch Blade, per dozen,	\$ 9 00
No. 2, 8 " " "	9 00
No. 3, 7½ " " "	9 00

Shank Hoes.



No. 1, 8½ inch Blade, per dozen,	\$ 8 00
No. 2, 8 " " "	8 00
No. 3, 7½ " " "	8 00
No. 4, 6 " " "	8 00



No. 5½, Riveted Socket, Cast Steel Blade, Blue Finish, Common Handles, per dozen,	\$ 5 50
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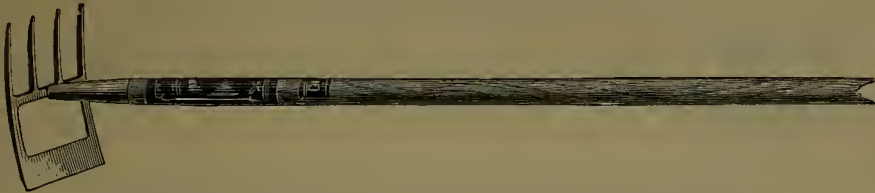
California Mortar and Street Hoes.



BRONZE FINISH.

9 inch Blade, 6 feet Handles, per dozen,	\$ 12 00
10 inch " 6 feet " "	12 00
Vineyard Hoe, 2 Prong,	14 50

Weeding Rakes and Hoes.



Six Teeth, Cast Steel, Full Polish, per dozen, \$ 9 50
 Four Teeth, Cast Steel, Full Polish, per dozen, \$ 8 50

Warren Hoes.



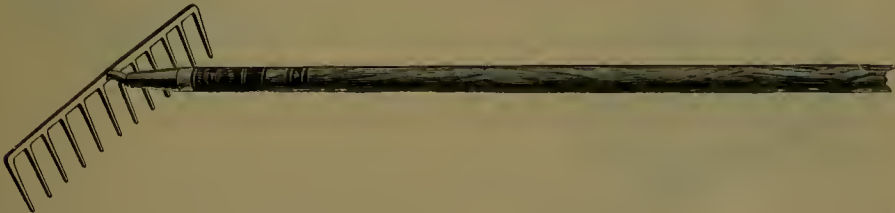
No. 2, Socket, Field, \$ 12 00

Wood Rakes.



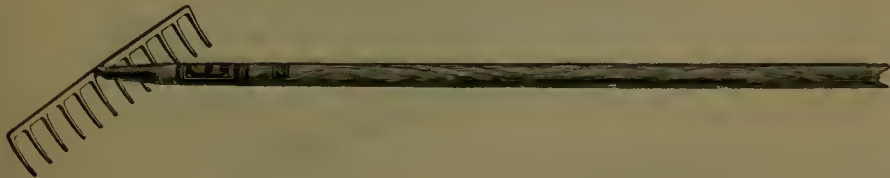
Square Mortise Hay Rake, 14 Teeth, per dozen, \$ 6 00

Cast Steel Garden Rakes.



Sixteen Teeth, Full Polish, Selected Handles, per dozen,	\$ 12 00
Fourteen " " " "	11 00
Twelve " " " "	10 00
Ten " " " "	9 00
Eight " " " "	8 00
Six " " " "	6 00

Malleable Iron Garden Rakes.



Sixteen Teeth, Polished, per dozen,	\$ 7 00
Fourteen " " " "	6 50
Twelve " " " "	6 00
Ten " " " "	5 50
Nine " " " "	5 00

Leed's Champion Post-hole Diggers.



6 inch, each,

\$ 5 00

Store and Warehouse Trucks.



No. 1, Inside Wheels,	\$ 7 50	Outside Wheels,	\$ 7 00
No. 2, " "	10 00	" "	9 50
No. 3, " "	14 00	" "	13 00
No. 4, " "	17 50	" "	16 50
No. 5, " "	22 00	" "	21 00
Grain Trucks, with long "Snouts," extra,			1 00

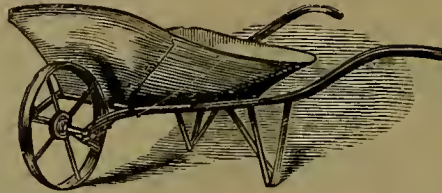
Garden Barrows.



No. 1, Iron Wheel, each,	\$ 6 50	No. 3, Iron Wheel, each,	8 50
No. 2, " " "	7 50	No. 4, " " "	9 50

Tubular Wheelbarrows.

THE BEST AND CHEAPEST IRON BARROW FOR MINERS, FARMERS, MILLS,
FOUNDRIES AND SMELTING FURNACES.



These Barrows are made entirely of Iron. The frames being made of Tubing, and the Tray, Wheels, Legs and Braces of Wrought Iron, thus securing the combination of great strength, durability, and comparative lightness.

They are not affected by the weather, and are especially adapted for hot climates.

These Barrows are made in the most complete manner possible, and they can be taken apart and packed in a more compact manner than any other Barrow, and do not require skilled labor to put them together.

Should any of the parts become lost or broken, they can be duplicated at once.

10,000 of these barrows have been sold in California and Nevada, and in every case given complete satisfaction.

	Dia. of Handles.	Wheel.	Tray.	Each.
No. 1, Canal Size,	1 1/4 in.	16 in.	31 x 26 in.	\$ 13 00
No. 1, with Banded Tray and Braced,	1 1/4 "	16 "	31 x 26 "	15 50
No. 1 1/2,	1 1/4 "	16 "	32 1/2 x 27 "	17 50
No. 2,	1 1/4 "	16 "	37 x 31 1/2 "	20 00
No. 3,	1 1/2 "	18 "	37 x 31 1/2 "	22 50
No. 4,	1 1/2 "	18 "	40 x 32 1/2 "	24 00

Diameter of handles is the outside diameter. Size of Tray is given at the top. Special sizes made to order.

All Steel Wheelbarrows.



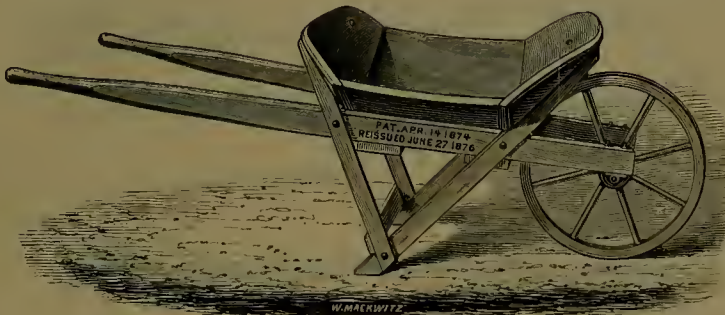
Pattern A. (Steel.)

- No. A.—Made of No. 15 steel; capacity, three cubic feet of earth. Suitable for light work, as moving loose earth, sand, etc. Weight of barrow, 55 lbs., each, . . . \$ 12 00
- No. B.—Made of No. 14 steel; capacity, same as No. 1, but for heavier work, in quarries, mines, etc. Weight of barrow, 60 lbs., each, 14 00

Canal Barrows.



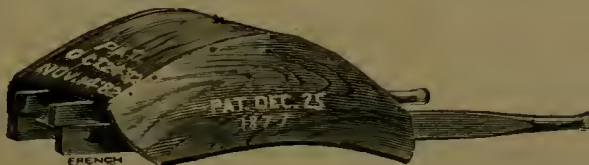
NEWMAN'S Iron Wheel, per dozen,	\$ 36 00
“ Wood Wheel, per dozen,	40 00



Champion, Iron Wheel, per dozen,	\$ 45 00
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Bent Leg, Iron Wheel, per dozen,	\$ 45 00
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This cut represents our Patent Bent Leg Barrow knocked down for shipment ; it contains wheel, legs, and in fact all the parts connected with the Barrow—it being in so small a package we secure the lowest rates of freight. It is a favorite with the Jobbers, as the Barrow being all in one package, there can be no error in reshipping. Weight, 40 lbs. each.

Directions for Setting up Bent Leg Barrows.

Remove the tray from handles by unscrewing the nut holding the tray, remove wheel and legs, set the tray in place on the handles, bolting it through the bottom of tray with the short $\frac{1}{2}$ inch bolt. Bolt the legs in place, adjust the wheel and go ahead.

Handles--*Continued.*



Polished Hickory Railroad Pick Handles.

Extra, 36 inch, per dozen,					\$ 5 00
Excelsior, 36 inch, per dozen,					4 00
No. 1, 36 inch, per dozen,					3 25



Polished Hickory, California Miners' Drifting Pick Handles.

Length, inch,			32	34	36
Extra, per dozen,			\$ 4 50	4 75	5 00
No. 1, " "			3 50		



Polished Hickory, California Miners' Poll Pick Handles.

Length, inch,			32	34	36
Extra, per dozen,			\$ 4 75	5 00	....
No. 1, " "			3 50		



Polished Hickory Sledge Handles.

Length, inch,		28	30	32	34	36
Extra, per dozen,		\$ 2 25	2 50	2 75	3 00	3 50

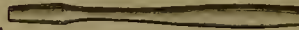


Hatchet Handles.

Length, inch,		13	14	15	16	17	18
Per dozen,		\$ 0 80	.80	.80	1 00	1 25	1 50

Handles—*Continued.*

Hammer Handles.



Round Eye.

Inches,	14	15	16	18	20	22	24
Round Eye, per dozen,	\$ 1 00	1 25	1 25	1 50	1 50	1 75	2 00
Adze Eye Hammer Handles, per dozen,							\$ 0 80
Planters' Hoe Handles, per dozen,							3 50
Shovel Handles, per dozen,							3 50
Spade Handles, " "							3 50
Hay Fork Handles.							
Straight, Ferruled, per dozen,							\$ 3 50
Straight Strap Ferrule, per dozen,							4 50
Bent " " " "							5 00
Bent Ferruled, per dozen,							4 50

Measurement and Weight of Handles in Cases

	Measurement.	Gross.	Net weight.
12 dozen 36 inch Axe Handles,	19 x 19 x 41 inches,	255 lbs.	200 lbs.
12 " 36 " Sledge Handles,	19 x 19 x 38 "	245 "	195 "
12 " 36 " Adze "	23 x 23 x 38 "	285 "	220 "
6 " 36 " Axe "	15 x 13 x 41 "	135 "	100 "
6 " 36 " Sledge "	14 x 14 x 38 "	125 "	95 "
10 " 36 " R. R. Pick Handles,	24 x 24 x 38 "	340 "	280 "
5 " 36 " " "	18 x 17 x 38 "	170 "	140 "
12 " 36 " Drift "	23 x 20 x 38 "	320 "	260 "
6 " 36 " " "	15 x 16 x 38 "	165 "	130 "
20 " 14 " Hatchet Handles,	13 x 14 x 31 "	95 "	70 "
20 " 14 " A. E. Hammer Handles,	12 x 12 x 30 "	100 "	70 "
20 " 15 " Machinists' Hammer Handles,	13 x 12 x 32 "	100 "	70 "
12 " 24 " Sledge Handles,	17 x 18 x 28 "	160 "	120 "

When Handles are ordered in regular cases no charge for cases.

Weston's "Direct" Differential Pulley Blocks.



DIRECT

One man can lift 1,000 lbs.

They hold the load at any point, and cannot run down.

Lifting and Lowering effected by pulling opposite sides of the slack chain.

Price, complete, with regular length chains, boxed.

CAPACITY.	EACH.	CHAIN.		HOIST.	Net Weight.
		Reg. Length.	Extra per foot.		
¼ Ton.	\$ 25 00	22 ft.	45 cts.	6 ft.	22 lbs.
½ "	27 50	26 "	48 "	7 "	30 "
1 "	35 00	30 "	50 "	8 "	51 "
1½ "	45 00	33 "	55 "	8½ "	81 "
2 "	55 00	36 "	60 "	9 "	122 "
3 "	80 00	38 "	75 "	9½ "	173 "

Extra Length of Chains—allow about 4 feet of chain for each foot of Extra Hoist.

*NOTE.—Figures in fifth column denote approximate height, which blocks, with regular lengths of chain, will hoist from level on which operator stands.

Applicable to handling heavy weights in Factories, Smith Shops, Freight Houses, Bridge Building, Mills, Stone Yards, Warehouses, Pipe Laying.

Rope Strapped Blocks.

STEEL PINS, LIGNUM-VITÆ OR IRON SHEAVES, THICK MIDDLES AND COMMON HOOKS.

DIMENSIONS.			IRON BUSHED.			ROLLER BUSHED.		
Sheave.	For Rope.	Shell.	Single.	Double.	Triple.	Single.	Double.	Triple.
Inches.	Inches.	Inches.	Each.	Each.	Each.	Each.	Each.	Each.
1 3/4 x 1/2	5/8	3	\$ 0 65	\$ 1 10	\$ 1 60	\$ 1 00	\$ 1 90	\$ 2 70
2 x 1/2	1	3 1/2	70	1 15	1 65	1 10	1 95	2 80
2 1/4 x 1/2	1 1/8	4	75	1 25	1 75	1 15	2 10	3 00
3 x 1/2	1 1/4	5	90	1 65	2 00	1 30	2 35	3 50
3 1/2 x 1/2	1 1/2	6	1 05	1 90	2 40	1 65	3 00	4 00
4 1/4 x 1 1/8	1 3/4	7	1 25	2 25	2 75	1 90	3 50	4 75
5 x 1 1/4	2	8	1 60	2 75	3 50	2 50	4 00	5 50
5 1/2 x 1 1/2	2 1/8	9	2 00	3 25	4 40	2 75	4 75	6 50
6 1/4 x 1 3/4	2 1/4	10	2 40	3 75	5 40	3 25	6 00	8 50
7 1/2 x 2	2 3/4	11	3 00	5 00	7 00	4 00	7 00	10 25
8 x 2 1/4	3	12	3 50	6 00	7 50	4 75	8 25	12 25
8 1/2 x 2 1/2	3 1/8	13	4 00	6 75	9 25	5 25	9 25	14 00
9 x 2 3/4	3 1/2	14	4 50	7 75	11 50	6 00	10 50	15 50



For Blocks with Mortise wider than above, add 10 per cent to list for each extra 1/4 inch or fraction thereof.

Inside Iron Strapped Blocks.

COMMON HOOKS, LIGNUM-VITÆ OR IRON SHEAVES, IMPROVED THICK MIDDLES AND STEEL PINS.

DIMENSIONS.			COMMON IRON BUSHED.			PATENT ROLLER BUSHED.		
Sheave.	For Rope.	Shell.	Single.	Double.	Triple.	Single.	Double.	Triple.
Inches.	Inches.	Inches.	Each.	Each.	Each.	Each.	Each.	Each.
2 x 1	3/4	3 1/2	\$ 0 80	\$ 1 40	\$ 2 25	\$ 1 15	\$ 2 20	\$ 3 25
2 1/4 x 1	7/8	4	90	1 60	2 50	1 25	2 40	3 50
3 x 1	1	5	1 10	2 00	2 90	1 60	3 00	4 60
3 1/2 x 1	1 1/8	6	1 40	2 50	3 50	2 00	3 80	5 45
4 1/4 x 1 1/8	1 1/4	7	1 60	2 75	4 00	2 30	4 50	6 25
5 x 1 1/4	1 1/2	8	1 90	3 50	4 75	2 80	5 20	7 15
5 1/2 x 1 1/2	1 3/4	9	2 20	4 00	5 25	3 20	5 80	8 00
6 1/4 x 1 3/4	2	10	2 75	4 75	6 00	3 90	6 65	9 25
7 1/4 x 2	2 1/8	11	3 15	5 50	7 50	4 40	7 50	10 75
8 x 2 1/4	2 1/4	12	3 50	6 50	8 50	5 00	8 50	12 50
8 1/2 x 2 1/2	2 3/8	13	4 00	7 00	10 00	5 65	9 60	14 25
9 x 2 3/4	2 1/2	14	4 50	8 00	12 00	6 15	10 80	16 00
10 x 3	3	15	5 25	9 25	13 75	7 00	12 25	17 75
10 1/2 x 3	3 1/8	16	6 75	11 50	17 00	8 50	15 00	20 50



For Galvanized Straps add 10 per cent to list.

Snatch Blocks.

WROUGHT IRON.			WOOD.		
Size.	Rope.	Price.	Size.	Rope.	Price.
Inches.	Inches.	Each.	Inches.	Inches.	Each.
7	7/8	\$ 5 25	6	3/4	\$ 3 80
8	1	6 35	7	7/8	4 25
9	1 1/8	7 50	8	1	5 25
10	1 1/4	9 00	9	1 1/8	6 25
12	1 3/8	11 00	10	1 1/4	7 35
14	1 3/4	14 00	12	1 3/8	8 50
16	2	19 00	14	1 3/4	10 50
18	2 1/4	25 00	16	2	12 50
20	2 1/2	36 00	18	2 1/4	17 50
			20	2 1/2	25 00



Sheaves.



Common Bushed.



Steel Roller Bushed.

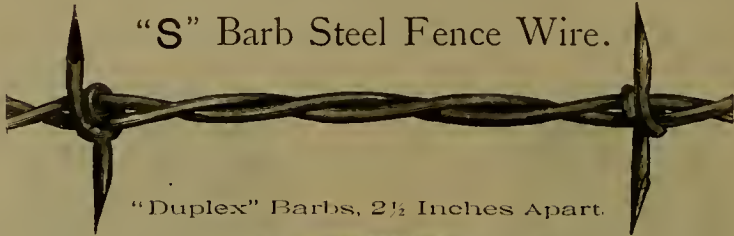
Iron Sheaves, Patent and Common.

Diam., 2½ in., thickness, ¾ in., Hole for Pin, 1/8 in., each, Common, \$ 0 20 ; Roller Bushed, \$ 0 40													
"	3	"	"	¾	"	"	1/8	"	"	25	"	"	50
"	3½	"	"	¾	"	"	1/8	"	"	30	"	"	55
"	4	"	"	¾	"	"	1/8	"	"	30	"	"	60
"	4	"	"	1	"	"	1/8	"	"	40	"	"	80
"	4½	"	"	1	"	"	1/8	"	"	45	"	"	90
"	5	"	"	1	"	"	1/8	"	"	50	"	"	1 00
"	5	"	"	1¼	"	"	1/8	"	"	63	"	"	1 25
"	6	"	"	1	"	"	1/8	"	"	60	"	"	1 20
"	6	"	"	1¼	"	"	1/8	"	"	75	"	"	1 50
"	6	"	"	1½	"	"	1/8	"	"	90	"	"	1 80
"	7	"	"	1¼	"	"	1/8	"	"	88	"	"	1 75
"	7	"	"	1½	"	"	1/8	"	"	1 05	"	"	2 10
"	8	"	"	1¼	"	"	1/8	"	"	1 00	"	"	2 00
"	8	"	"	1½	"	"	1/8	"	"	1 20	"	"	2 40
"	8	"	"	1¾	"	"	1/8	"	"	1 44	"	"	2 80
"	10	"	"	1½	"	"	1/8	"	"	1 50	"	"	3 00
"	10	"	"	1¾	"	"	1	"	"	1 75	"	"	3 50
"	10	"	"	2	"	"	1 1/8	"	"	2 00	"	"	4 00
"	12	"	"	1½	"	"	1	"	"	1 80	"	"	3 60
"	12	"	"	1¾	"	"	1 1/8	"	"	2 10	"	"	4 20
"	12	"	"	2¼	"	"	1 1/4	"	"	2 40	"	"	4 80

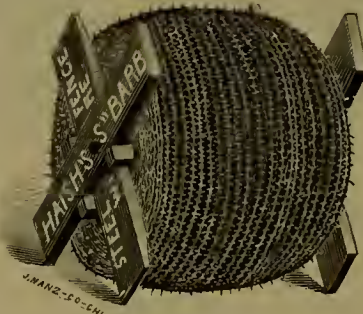
AGENTS FOR

J. HAISH & CO'S

"S" Barb Steel Fence Wire.



"Duplex" Barbs, 2 1/2 Inches Apart.



Barb Wire Coiled on Spool.

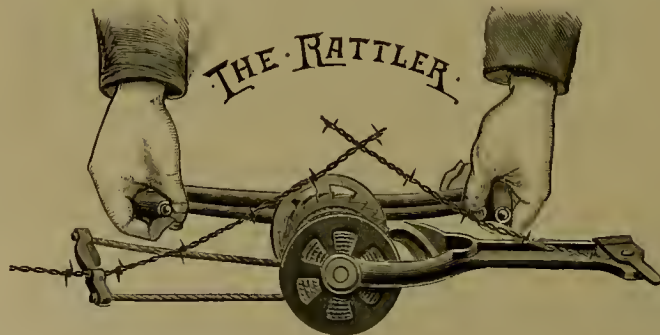
Galvanized and Enameled. Securely spooled in handsome, compact shape ready for shipment to any part of the world. Average weight, ninety-five pounds. The *Galvanized* wire is highly finished, presenting a thorough coat of zinc covering. The *Enameled* is coated with a glossy black, having the appearance of finely polished ebony.

Enameled, per lb.	.....	\$ . . . .
Galvanized, "	.....	.....

THE RELIABLE, DOUBLE CRANK, DOUBLE ROPE, CENTER DRAFT

Wire Fence Stretcher.

SATISFACTION GUARANTEED.



The above cut shows the method of splicing the wire. To stretch the wire, pass the catches at each end of the rope around the post, locking the catches together; place the wire in the grappling arm and commence stretching.



Fence Staples—Self-clinching.

Steel Fence Staples 1 1/2 inch in length for Hardwood posts, 80 staples to the pound.

Black, per lb.	\$	Galvanized, per lb.	\$
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Comparative Cost of Board and Wire Fences.

COST OF 40 RODS OF "S" BARB WIRE.

A Perfect Fence—Three Steel Barb Wires.

125 lbs. wire, @ 10c. per lb.	\$ 12 50
40 posts @ 12½c. each,	5 00
1 lb. staples,	08
Labor,	50

\$ 18 08

Average cost per rod for three wire fence, 45½ cts.

A Good Stock Fence—Two Steel Barb Wires.

83 lbs. wire @ 10c. per lb.,	\$ 8 30
40 posts @ 12½c. each,	5 00
Staples,	05
Labor,	50

\$ 13 85

Average cost per rod for two wires, 34½c.

COST OF 40 RODS BOARD FENCE.

Four Board.

1380 ft. pine fencing \$15 per M.,	\$ 20 40
80 posts @ 12½c. each,	10 00
20 lbs. nails @ 4c. per lb.,	80
Labor,	3 00

\$ 34 20

Average cost of one rod of 4-board fence, 85½c.

Three Board.

1000 ft. pine fencing,	\$ 15 00
80 posts @ 12½c. each,	10 00
15 lbs. fence nails,	60
Labor,	2 50

\$ 29 10

Average cost of one rod of 3-board fence, 70½c.

TABLE OF WEIGHTS, SHOWING NUMBER OF POUNDS OF "S" BARB WIRE REQUIRED TO FENCE SPACE OR DISTANCES MENTIONED, WITH ONE, TWO OR THREE WIRES:

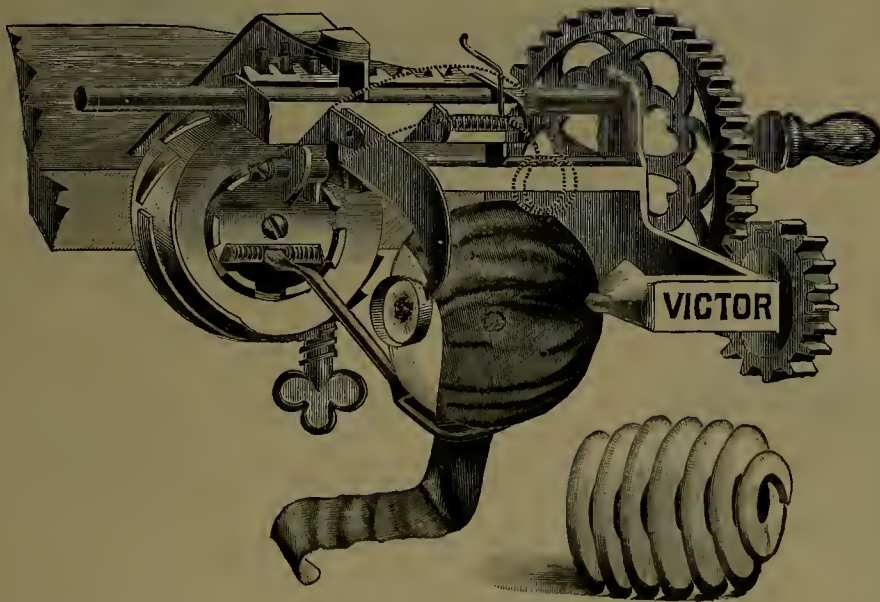
	1 Wire, lbs.	2 Wires, lbs.	3 Wires, lbs.
1 Square Acre,	54	108	162
1 Side Square Acre,	13½	27	40½
1 Square Half-acre,	38½	76½	94½
1 Square Mile,	1360	2720	4080
1 Side Square Mile,	340	680	1020
1 Rod in Length,	1⅙	2⅓	3⅝
100 Rods in Length,	102½	205	307½
100 Feet in Length,	6⅔	12⅔	19⅔

Cost of Various Styles of Fence.

(INCLUDING POSTS.)

Narrow Slat Picket Fence, per rod,	\$ 6 00
Wide " " "	5 25
Common Stone Wall, per rod,	2 25
Common Four Board Fence (see table), per rod,	85¼
Common Three " per rod,	70¼
Common Split Rail Fence, "	1 25
Virginia " " "	1 00
"S" Barb Fence, Three Wires (see table), per rod,	45½
" " Two Wires, per rod,	34½

The Victor Apple Parer, Corer and Slicer.

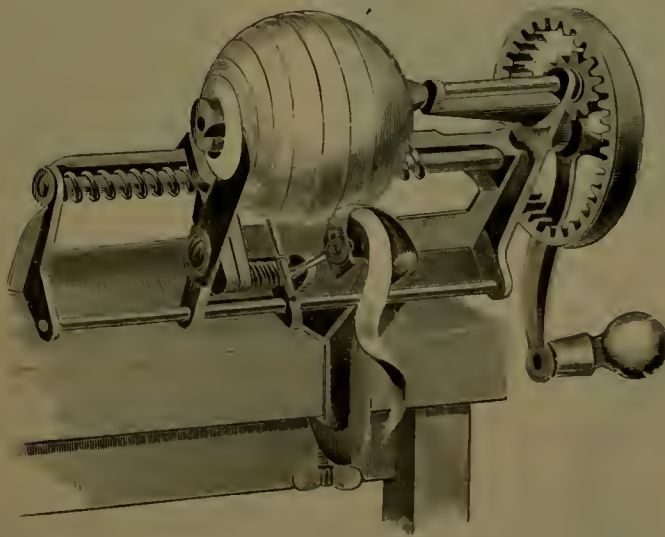


Continuous Rotary Motion.

Per dozen,

\$ 16 00

Bay State Parer, Corer and Slicer.



Bay State, Regular, per dozen,

\$ 18 00

“ “ Improved, “

40 00

“ “ Mammoth, “

65 00

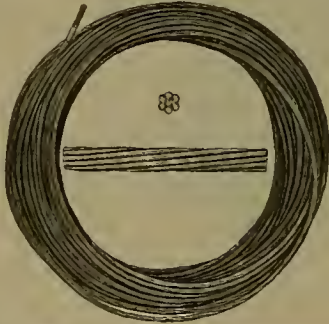
Sash Cord.



		Silver Lake, Braided.	White.	Drab.
No. 6,	$\frac{3}{8}$ inch Diameter, Braided Cotton, 100 feet Hanks, per pound,		60 cts.	65 cts.
No. 7,	$\frac{7}{16}$ " " " " " 100 " "		60 "	65 "
No. 8,	$\frac{1}{2}$ " " " " " 100 " "		60 "	65 "

Twisted Sash Cord.

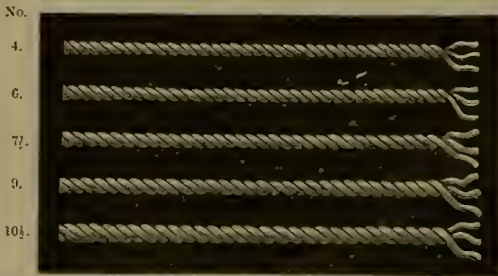
American Hemp, Black, in Hanks, 100 feet each, per dozen,		\$ 8 00
" " Bleached, " 100 " "		9 00
Bengal " " " 100 " "		7 50



Galvanized Wire Clothes-lines.

Galvanized Wire Clothes-lines, Wire 6 strands, 100 feet each, per dozen, \$ 6 00

Superior Cotton Chalk Lines.



Twenty-feet lengths, twelve lengths joined together.

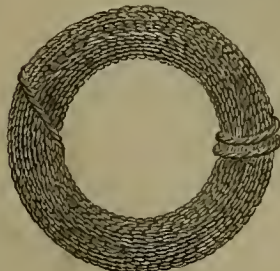
Fine Cotton Chalk Lines.				
Nos.	4	6	7 $\frac{1}{2}$	9
Per gross,	\$ 4 00	6 00	7 50	9 00



Twenty-feet lengths, twelve lengths joined together.

Silver Lake Braided Chalk Lines.			
Nos.	0	1	2
Per gross,	\$ 6 00	6 50	7 00

Half gross in a box.



Braided Wire Picture Cord.

Tinned.					
Nos.	0	1	2	3	4
Per 25 yards,	06	10	19	25	33

Gilt.					
Nos.	0	1	2	3	4
Per 25 yards,	\$ 0 15	.35	.60	.90	1 25

Twenty-five yards in a piece; 12 coils in a box.

Twines.

FLAX TWINE.

No. 12, Hard Laid Flax Twine, in half pound balls, per pound,	35 cts.
No. 12, B. C, Hard Laid Flax Twine, in half pound balls, per pound,	35 "
No. 18, Hard Laid Flax Twine, in half pound balls, per pound,	35 "
No. 18, B. C., Hard Laid Flax Twine, in half pound balls, per pound,	35 "

Three pounds in a package.

HEMP TWINE.

2-Ply Hemp Twine, in one-quarter and one-half pound balls, per pound,	\$
3-Ply Hemp Twine, in one pound balls, per pound,	

SEWING, SAIL OR SACKING TWINE.

IN SKEINS.

3-Ply Standard Quality, per pound,	40 cts.
4, 5 and 6 Ply Standard Quality, per pound,	40 "
3-Ply Extra Quality, per pound,	45 "

Twelve pounds in a bundle.

COTTON TWINE.

4-Ply Cotton Wrapping Twine, in one-quarter pound balls, per pound,	30 cts.
---	---------

Ten and Five pounds in a bundle.

Standard List of Solid Eye Sash Weights.

Pounds.	Inches in Diameter.	Inches in Length.	Pounds.	Inches in Diameter.	Inches in Length.
2	1 $\frac{1}{2}$	5 $\frac{3}{4}$	12	1 $\frac{7}{8}$	18 $\frac{5}{8}$
2 $\frac{1}{2}$	1 $\frac{1}{2}$	6 $\frac{5}{8}$	12 $\frac{1}{2}$	1 $\frac{7}{8}$	19 $\frac{1}{8}$
3	1 $\frac{1}{2}$	7 $\frac{3}{4}$	13	2	17 $\frac{5}{8}$
3 $\frac{1}{2}$	1 $\frac{3}{4}$	9 $\frac{1}{4}$	14	2	19 $\frac{3}{8}$
4	1 $\frac{1}{2}$	10 $\frac{3}{4}$	15	2	20 $\frac{5}{8}$
4 $\frac{1}{2}$	1 $\frac{1}{2}$	11 $\frac{3}{4}$	16	2	21 $\frac{1}{8}$
5	1 $\frac{1}{2}$	12 $\frac{1}{2}$	17	2	22 $\frac{1}{2}$
5 $\frac{1}{2}$	1 $\frac{1}{2}$	13 $\frac{1}{2}$	18	2	23 $\frac{1}{8}$
6	1 $\frac{1}{2}$	14 $\frac{3}{4}$	19	2	24 $\frac{1}{2}$
6 $\frac{1}{2}$	1 $\frac{1}{2}$	16 $\frac{3}{8}$	20	2	25 $\frac{3}{8}$
7	1 $\frac{1}{2}$	17	21	2	27 $\frac{1}{4}$
7 $\frac{1}{2}$	1 $\frac{1}{2}$	18 $\frac{1}{4}$	22	2	27 $\frac{3}{4}$
8	1 $\frac{5}{8}$	16 $\frac{3}{4}$	23	2	29 $\frac{3}{8}$
8 $\frac{1}{2}$	1 $\frac{5}{8}$	17 $\frac{1}{2}$	24	2	31 $\frac{1}{4}$
9	1 $\frac{5}{8}$	18 $\frac{1}{2}$	25	2	32 $\frac{1}{4}$
9 $\frac{1}{2}$	1 $\frac{5}{8}$	18 $\frac{3}{4}$	26	2	32 $\frac{7}{8}$
10	1 $\frac{3}{4}$	18	27	2	34 $\frac{1}{2}$
10 $\frac{1}{2}$	1 $\frac{3}{4}$	18 $\frac{1}{4}$	28	2	36 $\frac{3}{8}$
11	1 $\frac{3}{4}$	19 $\frac{1}{4}$	29	2	38 $\frac{1}{4}$
11 $\frac{1}{2}$	1 $\frac{3}{4}$	20 $\frac{1}{8}$	30	2	39 $\frac{1}{2}$

Price, per pound, cts.

Rope.

MANILLA.

$\frac{1}{4}$ inch diameter (6 thread),	per lb. \$.....
$\frac{5}{16}$ " " (9 thread),	"
$\frac{3}{8}$ " " (12 thread),	"
$\frac{7}{16}$ " " (1 $\frac{1}{4}$ inch circumference and upwards),	"
Bale Rope (2, 3 and 4 thread),	"

TARRED HEMP ROPE.

$\frac{5}{8}$ inch diameter (2 inch circumference and upwards),	per lb. \$.....
Small sizes,	"

SISAL ROPE.

$\frac{1}{4}$ inch diameter (6 thread),	per lb. \$.....
$\frac{5}{16}$ " " (9 thread),	"
$\frac{3}{8}$ " " (12 thread),	"
$\frac{7}{16}$ " " (1 $\frac{1}{4}$ inch circumference),	"
Bale Rope (2, 3 and 4 thread),	"

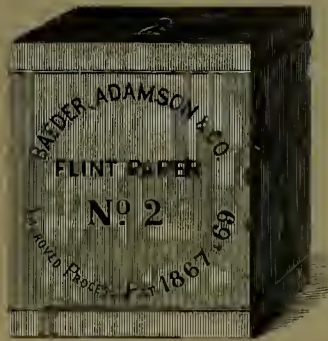
TARRED CORDAGE.

Marline (2 strand),	per lb. \$.....
Houseline (3 strand),	"
Hambroline (3 strand),	"
Spunyarn (3 and 4 yarn),	"
Lath Yarn,	"

MANILLA ROPE.

Diameter.	Circumference.	Length per lb.	Length of Coil.	Average Weight of Coil.	Diameter.	Circumference.	Length per lb.	Length of Coil.	Average Weight of Coil.
$\frac{1}{4}$ in.	6 thread	50 ft.	150 fms.	18 lbs.	$\frac{1}{8}$ in.	4 $\frac{1}{2}$ in.	17 ft.	125 fms.	400 lbs.
$\frac{1}{10}$ "	9 "	33 "	140 "	27 "	$\frac{1}{8}$ "	4 $\frac{1}{2}$ "	15 $\frac{5}{8}$ "	125 "	462 "
$\frac{3}{16}$ "	12 "	25 "	135 "	32 "	1 "	5 "	1 $\frac{1}{2}$ "	125 "	562 "
$\frac{1}{4}$ "	1 $\frac{1}{4}$ inch	19 "	150 "	46 "	1 "	5 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	125 "	600 "
$\frac{5}{16}$ "	1 $\frac{1}{2}$ "	14 "	140 "	60 "	1 "	5 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	125 "	700 "
$\frac{3}{8}$ "	1 $\frac{3}{4}$ "	10 "	125 "	75 "	2 "	6 "	11 $\frac{1}{4}$ in.	125 "	800 "
$\frac{1}{2}$ "	2 "	7 $\frac{1}{2}$ "	125 "	100 "	2 "	6 $\frac{1}{2}$ "	9 "	125 "	1,000 "
$\frac{5}{8}$ "	2 $\frac{1}{4}$ "	6 "	125 "	125 "	2 "	7 "	8 "	125 "	1,125 "
$\frac{3}{4}$ "	2 $\frac{1}{2}$ "	5 "	125 "	150 "	2 "	7 $\frac{1}{2}$ "	7 $\frac{1}{2}$ "	125 "	1,200 "
$\frac{7}{8}$ "	2 $\frac{3}{4}$ "	4 $\frac{1}{2}$ "	125 "	167 "	2 "	8 "	6 "	125 "	1,500 "
1 "	3 "	3 $\frac{3}{4}$ "	125 "	208 "	2 "	8 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	125 "	1,636 "
1 $\frac{1}{10}$ "	3 $\frac{1}{4}$ "	3 $\frac{1}{4}$ "	125 "	240 "	3 "	9 "	5 "	125 "	1,800 "
1 $\frac{1}{8}$ "	3 $\frac{1}{2}$ "	2 $\frac{3}{4}$ "	125 "	282 "		2 st. bale	160 ft.	5,600 ft.	35 "
1 $\frac{1}{4}$ "	3 $\frac{3}{4}$ "	2 $\frac{1}{2}$ "	125 "	322 "	3 "		100 "	5,500 "	55 "
1 $\frac{3}{8}$ "	4 "	2 $\frac{1}{10}$ "	125 "	358 "	4 "		80 "	4,500 "	60 "

BAEDER, ADAMSON & CO'S
Sand and Emery Paper and Emery Cloth.



"Flint" Sand Paper.

Nos.	00	0	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Per ream,	\$ 4 50	4 50	4 50	4 50	4 50	5 00	5 00	5 00
Bundle contains—reams,	5	5	4	$3\frac{1}{2}$	3	$2\frac{1}{2}$	2	$1\frac{1}{2}$
Assorted, Nos. 00 to 3 (bundle contains $2\frac{1}{2}$ reams), per ream,								\$ 4 50

Half ream in a package.

Emery Paper.

Nos.	00	0	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Per ream,	\$ 6 50	6 50	6 50	6 50	6 50	7 50	9 50	11 50
Bundle contains—reams,	$4\frac{1}{2}$	4	$3\frac{1}{2}$	3	$2\frac{1}{2}$	2	$1\frac{1}{2}$	$1\frac{1}{2}$
Assorted, Nos. 00 to 3 (bundle contains $2\frac{1}{2}$ reams), per ream,								\$ 6 50

Half ream in a package.

Emery Cloth.

Nos.	00	0	100	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
Per ream,	\$ 18 00	18 00	18 00	18 00	18 00	18 00	20 00	24 00	26 00
Bundle contains—reams,	$2\frac{1}{2}$	$2\frac{1}{2}$	2	2	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{1}{4}$	1	$\frac{3}{4}$
Assorted, Nos. 00 to 3 (bundle contains 2 reams), per ream,									\$ 18 00
Crocus Cloth (bundle contains 2 reams), per ream,									18 00

Quarter ream in a package.

Emery.

Emery, per pound, \$

Comparative Numbers of Emery.

Baeder, Adamson & Co's Numbers,	00	0	100	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
English Numbers,		Flour, 120	100	90	80	70	60	54	46

Prepared Chalk.

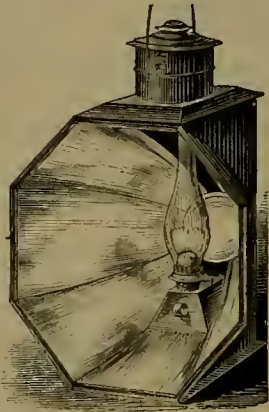
Per gross, White, \$ 2 00; Red, \$ 2 25; Blue, \$ 2 50
Prepared Chalk, half gross in a box; Chalk Crayon, one gross.

Borax.

Refined Borax, per pound, \$ | Concentrated, per pound, \$

A full case contains 100 lbs.

Patent Sectional Parabolic Head-light.



THE CHEAPEST IN THE MARKET.

It has been in use for the past nine years, and given general satisfaction. It is well adapted for lighting Mills, Mines, Hoisting Works, Warehouses, Streets, etc.

The front view of the Reflector is of octagonal shape; it is corrugated to diffuse the light, and to prevent dazzling the eyes. The vertical section is a parabolic curve with a small focal reflector. The reservoir, burner and chimney are inserted through the lower and top sections of the Reflector. The body or outer casing of the Head-light has been modified from the above cut, and is now made square; thus the glass in front is a square piece, and is set in the door frame, and can easily be replaced.

Width in Front.	Depth.	Height.	No. of Burner.	Price Each.
12 inch.	8 inch.	19 inch.	2, Flat or Argand.	\$ 5 25
16 "	11 "	24 "	3, " "	10 50

Patent Hydraulic Mining and Locomotive Head-light.



The best in the market. It is provided with a new style of head-light burner, which concentrates the flame to a white intense light—of great importance in a true parabolic reflector. The chimney extends far below the flame, with nothing to intercept the rays, while the Eastern head-light burner has a black button in the very focus of the reflector, also a cone, and the chimney-holder partly covering the flame. The Reflector is spun out of one piece of silver-plated metal, and is a true parabola, which is the only shape that will reflect all the rays in parallel lines—which is required in order to have a strong light at a distance of two or three hundred feet, as is required for hydraulic mining. But as light is often required to be strongest near the top of a gravel bank, in order to save the expense or inconvenience of a trestle-work to raise the lamp, this patent Reflector has a regulating attachment which allows the light to be reflected up or down, as desired, while the oil reservoir and burner will always stand on the same level. The

glass in front is held between two brass rings, the inner one removable, so that the glass may be replaced without soldering or plastering. These brass rings also serve to heat the glass equally all around. A place is also provided to receive a square piece of glass in case a round one is not at hand. In order to make it convenient to ship to retired mining-places, they are expressly built as compact as possible, thus the 20½ inch by 36x16, gives a more brilliant light, having the same size burner, than the large, bulky, heavy, and expensive old style locomotive head-light.

Description of Sizes on Hand.

Larger and smaller made to order.

Width in Front, Inches.	Height, Inches.	Depth, Inches.	Weight, Pounds.	Diam. Wick, Inches.	Height Flame, Inches.	Consume 1 Gallon Oil in hours.	Price Each.
20½	36	16	42	1¾	3¾	24	\$ 50 00
17	30	14	34	1¾	3½	36	40 00
14½	25	12	25	1	3¼	48	30 00

Patent Side Lanterns.



Mostly used to hang against the wall, but all having wire handles. The smaller sizes make a powerful hand lantern. These lamps are of the cheapest patterns, have glass on three sides, and a tin back on the fourth, provided with a silvered glass reflector. The glasses are secured by simply setting the lower edge into the groove prepared for it at the bottom of the lantern, while just above, on the top, are removable hook strips, which are then bent over the glasses. These patent hook strips can be replaced and any number added without soldering or other skillful labor. They may be bent short or long; will not tear off, and will allow all the elasticity required to give towards the glass to let it set free from strain and to allow it to expand from heat or cold. The Patent Chimney Top is also of great importance in a lantern. It is made removable not only for cleaning the soot which might gather in the chimney-top and would stop the draft, but also for the regulating of said draft. Thus when used in a windy place it should be screwed down so that the wind going through the perforated border of the outer chimney will strike against the collar or contracted end of the inner chimney, and will then force its way upward and out on the opposite side, but when the lantern is used indoors or under shelter, it is the best to have the top raised up to allow more ventilation.

Size of Glass.	Height over all.	No. of Burner.	Size of Reflector.	Price Each.
5 x 9	14	0	4 in.	\$ 2 00
6 x 10	16	1	5 "	2 25
8 x 12	20	2	7 "	3 00
10 x 14	22	2	9 "	3 75
12 x 16	24	3	11 "	5 00

Triangle Side Lamps.

Size of Glass.	Height over all.	No. of Burner.	Size of Reflector.	Price Each.
10 x 12	20	2	7 in.	\$ 3 00
12 x 16	24	3	9 "	4 50

Central Reflector Lamps.

Patented Sept. 6, 1870; Reissued Sept. 9, 1879; Reissued Feb. 8, 1881.



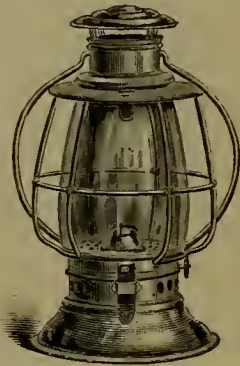
These lamps have now been in use for the past ten years all over the Pacific Coast—in Mills, Mines, Hoisting Works, Stores, Warehouses, Railroads, Stations, Wharves, Stables, Yards, Streets, etc., and have given the best satisfaction, both in brilliancy and economy. They are made of various styles, but the two illustrated above are the most in use, one being tapering towards the bottom while the other is square down to the bottom. Both have the peculiar arched tapering roof over each side and glass, also the curved corrugated reflectors, the difference in the two being in the construction of said reflectors. The tapering lamp is made to reflect down and all



around that main portion of the light which otherwise would go up, and will leave no shadow underneath; such light is most desirable for working by. The square lamp has the reflectors so constructed as to reflect the rays of light almost parallel in every direction. The reflectors are corrugated to diffuse the light and prevent the dazzling of the eyes.

	Size.	Price.
Tapering Central Reflector Lamp, with No. 2 Flat or Argand Burner,	13 x 18.	\$ 5 00
Square " " " " 2 " " " "	12 x 20.	6 00

Lanterns.



No. 4. Buckeye.

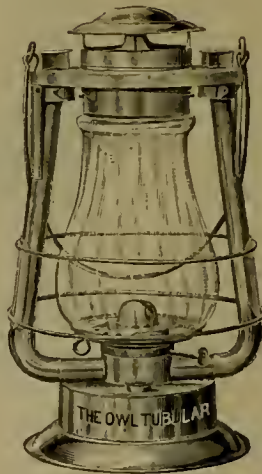


No. 3. Buckeye.



No. 0. Safety.

No. 0, Safety, with Guards, per dozen,	\$ 15 00
No. 3, Buckeye, " " "	14 00
No. 4, " " "	12 00



Owl



No. 0. Genuine Tubular.

No. 0, Tubular, with Guards, per dozen.	\$ 12 00
Owl, " " "	12 00

Carpet Stretchers.



Half Size Cut.

Japanned, Polished Blade.

No. 5, Cast Steel Blade and Points, per dozen,

\$ 2 88

One dozen in a box.

Mop Heads and Handles.



No. 2.

Copper Bronzed, Colored Handle.

No. 1, Taylor's Patent, per dozen,

\$ 2 50

No. 2, Diamond, Brush Holder, per dozen,

3 00

Burnished Fry Pans.



Nos.	1	2	3	4	5	6	7	8
Diameter of Top—inch, 8½	9½	9¾	10½	11	11½	12	12½	
Per dozen,	\$ 3 25	3 75	4 50	5 00	5 50	6 50	7 50	8 50

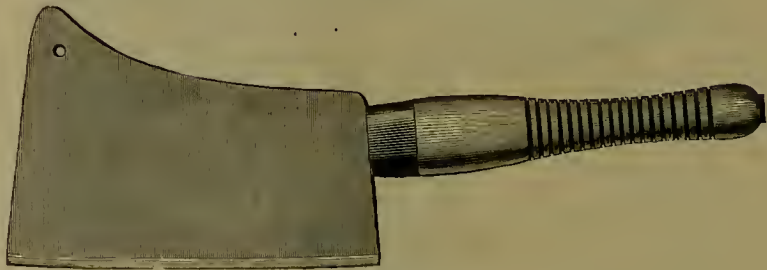
“Acme” Fry Pans.



“Always Cool” Handle.

Nos.	1	2	3	4	5	6
Diameter of Top—inch,	8½	9	9½	10	11	12
Per dozen,	\$ 3 75	4 25	4 75	5 25	6 00	7 00

Cast Steel Cleavers and Choppers.



Cleavers.

Nos.	0	1	2	3	4	5	6
Length of Cut—inch,	7	8	9	10	11	12	13
Per dozen,	\$ 14 00	16 50	19 00	21 50	24 00	27 00	30 00

Choppers.

Nos.			00	0	1	2
Length of Cut—inch,			7	8	9	10
Per dozen,			\$ 11 50	13 50	15 00	16 50

Cleavers Nos. 0 and 1, half dozen in a package; Nos. 2 to 6, quarter dozen.

Choppers, half dozen in a package.

Parker's Wood Back Coffee Mills.



No. 130, old California, extra large size, in $\frac{1}{2}$ dozen boxes, per dozen,	\$ 25 00
No. 131, old number 0, large size in $\frac{2}{3}$ dozen boxes, per dozen,	15 00
No. 132, " " 1, in half dozen boxes, per dozen,	9 00
No. 133, " " 2, in one dozen boxes, "	7 00
No. 134, " " 3, " " "	6 00

Patent National Side Mills.

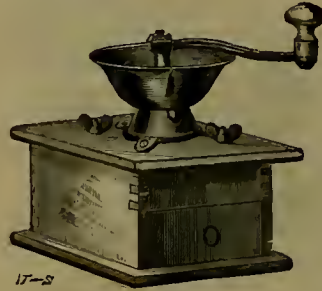


Wood Back.

No. 350, Small size, per dozen,	\$ 8 00
No. 360, Medium size, per dozen,	9 00
No. 370, Large size, per dozen,	11 00

Packed in cases of half dozen each.

Parker's Box Coffee or Spice Mills.



17-2
No. 110.

No. 110, Britannia Hopper, old number 1, B. H., per dozen,	\$ 12 00
No. 111, " " " 2, " "	10 50
No. 112, " " " 3, " "	9 00
No. 115, Iron Hopper, old number 1, I. H., per dozen,	9 50
No. 116, " " " 2, " "	8 50
No. 117, " " " 3, " "	6 50
No. 118, " " " 4, " "	6 00

With Dovetailed Boxes.

Packed in cases of half dozen each.

Tobacco Cutters.



No. 1.



No. 2.

Japanned and Ornamented.

No. 1, Champion Tobacco Cutters, per dozen,	\$ 24 00
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Iron Frame.

No. 2, Iron Frame, per dozen,	9 50
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Full cases contain one dozen.

ENTERPRISE MFG. CO'S
 "American" Coffee, Drug and Spice Mills.

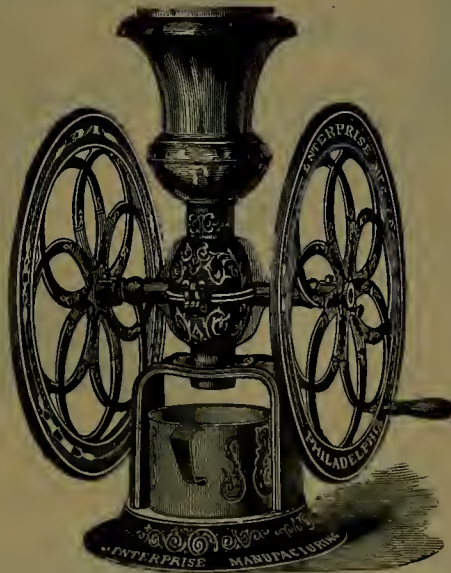


Cut of No. 1.



IRON HOPPER.

Style of Nos. 2, 3, 5, 7 and 9.



NICKEL-PLATED HOPPER.

Cut of No. 14. This Cut does not show the Eagle Dome Top.

Iron Hopper.

Nos.	Each.	Height.	Weight.	Capacity of Hopper.	Fly Wheels.	Grinds per Minute.
1	\$ 2 00	11½ in.	8 lbs.	¼ lb. Coffee		6 oz. Coffee.
2	3 00	9 "	10 "	¼ "	Two 7½ in.	6 " "
3	5 00	13½ "	18 "	½ "	" 10 "	1½ lb. "
5	8 00	16 "	29 "	1 "	" 12 "	¼ " "
7	10 00	18 "	50 "	1¾ "	" 15 "	1 " "
9	16 00	20 "	75 "	3 "	" 20 "	2 " "
11	18 00	29 "	94 "	6 "	One 25 "	2 " "
12	22 00	29 "	120 "	6 "	Two 25 "	2 " "

Nickel-plated Hopper and Eagle Dome Top.

2½	\$ 4 00	15 in.	10 lbs.	½ lb. Coffee.	Two 7½ in.	6 oz. Coffee.
4	8 00	18 "	17 "	1 "	" 10 "	½ lb. "
6	12 00	21½ "	27 "	1¾ "	" 12 "	" "
8	16 00	24 "	48 "	3 "	" 15 "	1 " "
10	23 00	28 "	75 "	5 "	" 20 "	2 " "
13	26 00	42 "	90 "	8 "	One 25 "	2 " "
14	30 00	42 "	115 "	8 "	Two 25 "	2 " "

Iron Hopper, on Stand.

15	\$ 32 00	5 ft. 2 in.	175 lbs.	7 lbs. Coffee.	One 31 in.	2 lbs. Coffee.
16	37 00	5 " 2 "	220 "	7 "	Two 31 "	2 " "

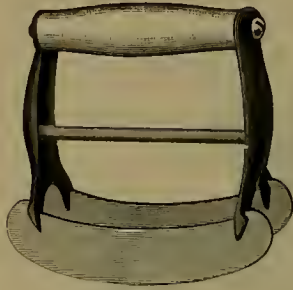
Nickel-plated Hopper and Eagle Dome Top, on Stand.

17	\$ 40 00	5 ft. 8 in.	154 lbs.	8 lbs. Coffee.	One 31 in.	2 lbs. Coffee.
18	45 00	5 " 8 "	212 "	8 "	Two 31 "	2 " "
19	75 00	6 " 6 "	260 "	10 "	" 40 "	3 " "
20	100 00	7 " "	475 "	26 "	" 48 "	3 " "

All the above Nickel-plated Hopper Mills have Eagle Dome Tops, which do not show in the cut.

Nos. 1, 2, 3 and 4, six in a case; Nos. 5 and 6, two in a case; all others, loose.

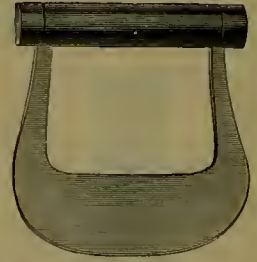
Mincing Knives.



SMITH'S PATENT.



No. 10.



No. 21.

No. 10, Unpolished Iron, per dozen,

No. 21, Polished Steel, “

SMITH'S Polished Steel, Double Blade, per dozen,

\$ 1 25

4 50

3 00



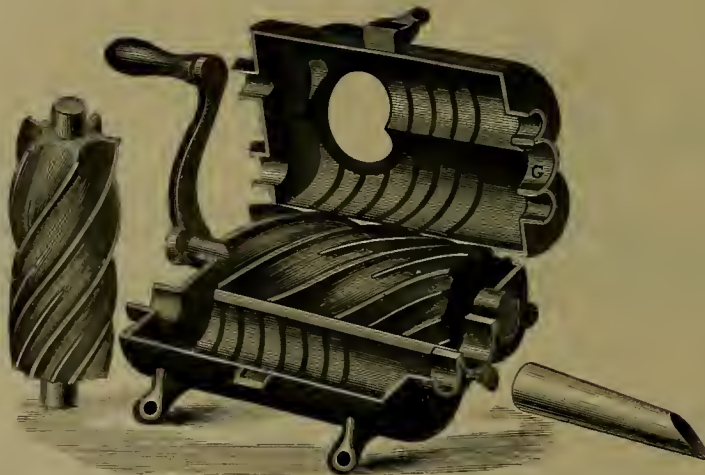
No. 4, Heavy Cast Steel Blade, Plain Handle, per dozen,

No. 6, “ “ “ Varnished Handle, per dozen,

\$ 3 50

4 00

Hale's Meat Cutter and Stuffer.



No. 11, Japanned, Length of Cylinder, 5 inches, per dozen,

No. 12, “ “ “ 6 “ “

No. 13, “ “ “ 7½ “ “

\$ 27 00

33 00

45 00

Nos. 11 and 12, half dozen in a case ; No. 13, quarter dozen. No charge for cases.

Wrought Meat Hooks.



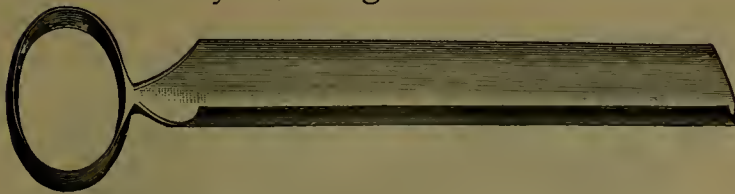
Full size cut of No. 12.

Tinned Wrought Iron, To Drive.

Nos.	10	11	12	13	14	15	16
Per gross,	\$ 5 60	6 80	7 40	9 80	12 90	14 00	19 00

Nos. 10 to 13, half gross in a box; Nos. 14 to 16, quarter gross.

Cheese Tryers, Forged Solid Cast Steel.

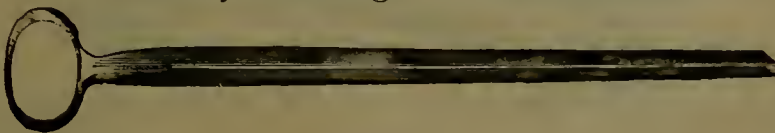


Tempered.

BINGHAM'S Nickel Plated, per dozen,

\$ 15 00

Butter Tryers, Forged Solid Cast Steel.



Tempered.

Nickel-plated Blade, per dozen,

\$ 21 00

Novelty Glass Cutters.



No. 1.

No. 1, Assorted with extra care, black or bronze finish, per gross,

\$ 20 00

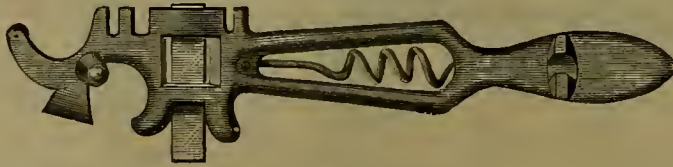


No. 2.

No. 2, Malleable Iron Handle, Putty Knife combined, per gross,

\$ 20 00

Novelty Glass Cutters.

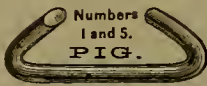


No. 12.

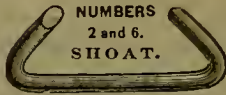
No. 12, Combination of Glass Cutter, Knife Sharpener, Can Opener, Tack Hammer and Cork Screw, per gross,

\$ 14 00

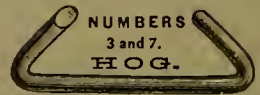
Hill's Triangular Hog Rings.



Coppered Wire.



Coppered Wire.



Coppered Wire.

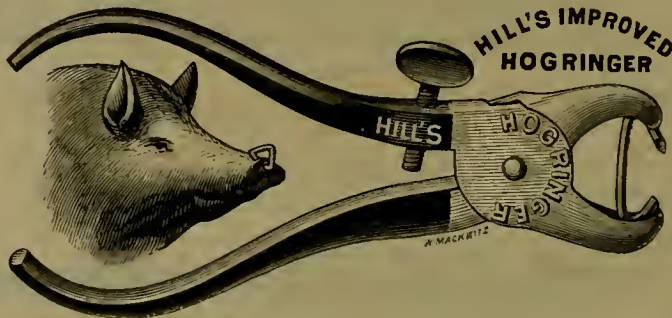
The cuts above show the open Rings, which we make of three different sizes, both of Coppered and Tinned Wire. One grip on the Ringer forces the beveled points of the Ring through and closes it in the nose. Being the shape of the end of a hog's nose, when closed, it is not liable to catch on anything and be torn out, or to collect and carry trash.

Per hundred,

50 cts.

Nos. 1, 2, and 3, per box, 100. 1 dozen boxes, 1,200 Rings in Package.

Hill's Improved Hog Ringers.



Closes all sizes of Hog Rings. Made of best Malleable Iron. Closing of the Jaws is regulated by the thumb-screw in the handle.

Per dozen,

\$ 9 00

Hill's Hog Tongs.



Made of best malleable iron. Japanned and painted. Stock-raisers are finding the Hog Tongs an indispensable aid in ringing Hogs, as the snout can be held still while placing and closing the Ring. Any size hog can be held with them.

Per dozen,

\$ 9 00

Japanned Foot Scrapers.

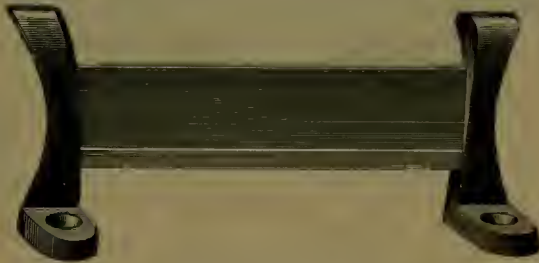


Half size cut of No. 1.

No. 1, per dozen,

\$ 1 50

One dozen in a package.



Half size cut of No. 2.

No. 2, per dozen,

\$ 1 00



Nos. 3 and 4. Half size cut of No. 4.

No. 3, per dozen,
No. 4, " "

\$ 1 00

1 50

One dozen in a package.

Japanned Foot Scrapers.



Half size cut of No. 5.

No. 5, per dozen,

\$ 1 75

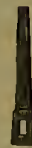
One dozen in a package.



No. 20, per dozen,

\$ 8 00

Lumberman's Boot Calks.



PATENT BEADED BOOT CALKS.

BOOT CALK SET.

Patent Beaded Ball Calks, per hundred,

\$ 2 00

“ “ Heel “ “

3 00

Calk Sets, per dozen,

4 50



Plain Steel Heel Calks, per hundred,

\$ 1 00

Plain Steel Ball Calks, “

1 00

Boot Jacks.



One-third size out of No. 25.

Two Sizes in One.

No. 25, Double Boot Jacks, Berlin Bronzed, per dozen,

\$ 2 75

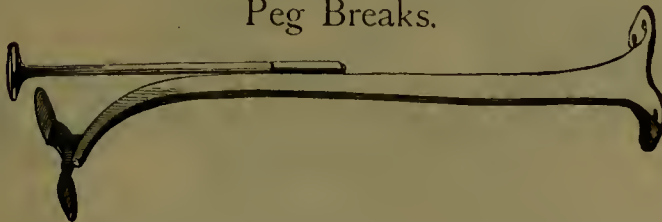


One-third size out of No. 15.

No. 15, Berlin Bronzed, per dozen,

\$ 3 00

Peg Breaks.



Standard, with Clinchers,

\$ 9 50

Washer Cutters.



No. 5, Extra Quality,

per dozen, \$ 15 00



Sad Irons.

Fine Polish.

ROUND AND SHARP POINTS.

4 to 10 lb. Irons, per lb. . . \$.....

Sad Iron Stands.



Half size cut of Nos. 2 and 12.

No 2, Plain Finish, per doz., 75 ets.
 No. 12, Japanned, Polished on Top Surface, per doz., 90 "

Polishing Irons.



N. E. Polish Iron.



Toilet Iron.

New England Polishing Irons, Nos. 1, 2 and 3, per pound, \$ 0 12½
 Correspond in weight with Nos. 4, 5 and 7 Sad Iron.
 Toilet Irons, Nickered Face, per dozen, \$ 8 00

No. 99, Knox Fluting Machine.



4 Inch, Extra Heavy Rollers,	8, 10, 12, 15, 18, 21, 24, 27 and 30 Flutes, each,	\$ 5 50
6 " " "	8, 10, 12, 15, 18, 21, 24, 27 and 30 " "	6 50
8 " " "	8, 10, 12, 15, 18, 21, 24, 27 and 30 " "	8 50

MRS. POTT'S (ENTERPRISE)

Cold Handle Smoothing and Polishing Irons.



Showing a full set of Irons; comprising three Irons and one Handle and Stand.

No. 150, Nickel Plated, per dozen sets,	\$ 30 00
No. 155, Plain Polished, " "	24 00
Extra Stands, per dozen, \$ 1 50.	Extra Handles, per dozen, \$ 4 00.

Pinking Irons.



Diamond.

Oval Pattern, Scollop or Diamond Teeth

Inch,	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	1
Per dozen,	\$ 2 75	2 75	2 75	2 75	2 75

Clothes Wringers.

EUREKA WRINGERS.



No. 2, 10 inch Roller, per dozen,	\$ 60 00
No. 3, 11 " " "	70 00
Extra Rolls,

NOVELTY WRINGERS.



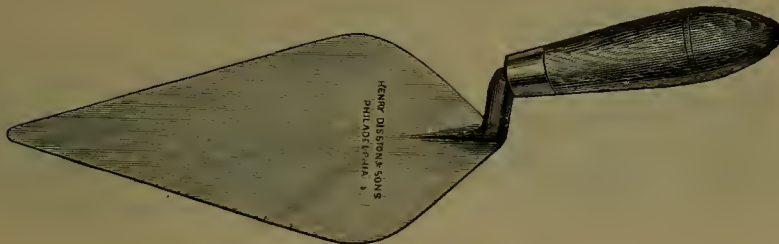
No. 2, 10 x 1 7/8 inch Roller, per dozen,	\$ 60 00
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Trowels.



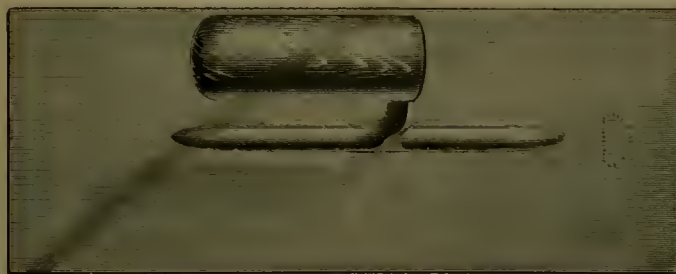
Disston's Pointing Trowel, Solid Shank.

4 and 4½ inches, per dozen, . . . \$ 5 50 | 5, 5½ and 6 inches, per dozen, . . . \$ 6 00



Disston's Brick Trowel, London Pattern.

Inch,	10	10½	11	11½	12	13	14
Per dozen,	\$ 10 50	11 00	11 50	12 00	12 50	14 00	15 50



Disston's Plastering Trowel.

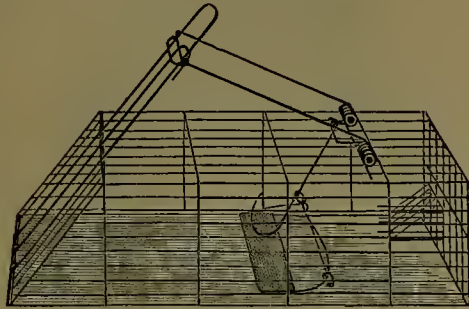
Inch,		10 & 10½	11	11½	12
Per dozen,		\$ 12 25	13 50	14 50	15 75



Cast Steel Garden Trowel.

Inch,		5	6	7	8
Per dozen,		\$ 2 00	2 25	2 50	2 75

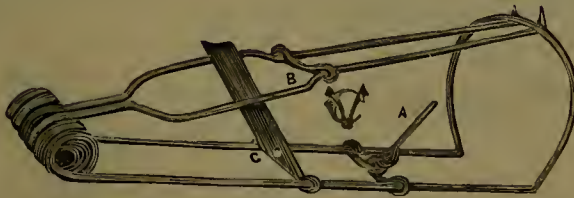
Patent Lever Spring Bevel End Rat Trap.



Wire Bottom—Size, 15 x 9 x 5 inches.

Price, with back door, per dozen,	\$ 10 50
Price, without " " " "	9 00

The CV Gopher Trap.



NEVER FAILS TO CATCH AND KILL.

No Farmer should be without the Traps; they are sure to catch Gophers, Squirrels, Moles, Etc., whenever they come near it.

DIRECTIONS FOR SETTING.—Scoop out the gopher-hole; then set the trap by pressing down the spring, and placing the lever (A) over the fulcrum (B) and into the pin-hole on the pan (C). Then shove the trap well into the gopher-hole, covering up the points thoroughly. Set lightly, so that the dirt, when shoved out by the gopher, will spring the trap.

Price, per dozen,	\$ 5 00
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The California Gopher Trap.



Is the simplest, strongest, and cheapest trap in the market. It has been in use for the last twenty years, and the demand for it increases every year.

Price, per dozen,	\$ 10 00
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The Newhouse and The Hawley and Norton Traps.

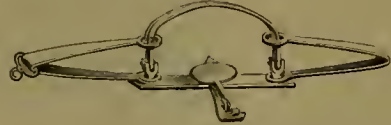


Universally known as superior to any and all other Traps in Strength, Lightness, and Durability.

No. 0.—The Rat Trap; spread of jaws, 3½ inches; strong enough to hold Muskrat; with Chain, per dozen, \$4.25; no chain, per dozen, \$3.25.

No. 1.—The Muskrat Trap; spread of jaws, 4 inches; adapted to capturing the smaller fur-bearing animals; with Chain, per dozen, \$4.65; no Chain per dozen, \$3.50.

No. 11.—The Mink Trap; spread of jaws, 4½ inches; strong enough to hold the Fox or Fisher; with Chain, per dozen, \$7.50; no Chain, per dozen, \$6.00.



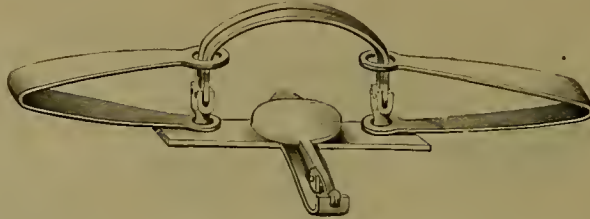
No. 2.—Fox Trap, with double spring; spread of jaws, 1½ inches; strong enough to hold an Otter; with Chain, per dozen, \$16.50 no Chain, per dozen, \$9.00.

No. 3.—The Otter Trap, double spring; spread of jaws, 5½ inches; with Chain, per dozen, \$13.75; no Chain, per dozen, \$12.00.



No. 4.—The Beaver Trap, double spring; spread of jaws, 6½ inches; with Chain, per dozen, \$16.50; no Chain, per dozen, \$14.50.

No. 4.—Deer Trap, double spring; spread of jaws, 6½ inches; with Chain, per dozen, \$18.50; no Chain, per dozen, \$16.50.



No. 5.—Bear Trap; spread of jaws, 11½ inches; weight of each spring, 2 lbs. 10 oz.; weight of trap, 17 lbs.; suitable for taking the common Black Bear; with Chain, \$140 per dozen.



No. 6.—Bear Trap, large size; spread of jaws, 16 inches; weight of each spring, 6 lbs. 10 oz.; weight of Trap with chain, 42 lbs.; made throughout, except the pan, of wrought-iron and steel; strong enough to hold the Moose or the Grizzly Bear; with Chain, per dozen, \$280.

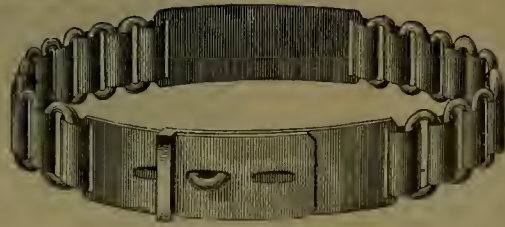
THE HAWLEY & NORTON TRAP is made under the same supervision, and by the same workmen, as the Newhouse, to which alone it is inferior. It is better finished, and in every way more reliable than other brands of cheap traps. It is growing in favor with the trade.

Both these brands of traps are sold from the same Price-list, but with different discounts.

Dog Collars.



No. 31.



Metal Link - No. 60.

Fancy Leather Dog Collars. Assorted Colors.

No. 1, Fancy Brass, Small,	3 and 4 inches long, per dozen,	\$ 3 50
No. 2, " " Medium,	4 and 5 " " " "	4 00
No. 3, " " " "	5 and 6 " " " "	5 00
No. 5, Plain Leather, Nickel Plates, to Lock,	14 and 20 inches long, per dozen,	3 50
No. 8, " " " "	to Buckle, 16 and 20 " " "	3 50
No. 9, " " " "	" 18 and 22 " " "	4 25
No. 10, " " " "	" 22 and 26 " " "	5 00
No. 12, Double Leather, Stitched, Nickel Plates, to Buckle,	22 and 26 inches long, per dozen,	7 50
No. 13, Same as No. 12, to Lock,	22 and 26 inches long, per dozen,	8 50
No. 20, Enameled Leather, Scalloped Edges, Nickel Trimmings,	14 and 20 inches long, per dozen,	8 50
No. 31, " " " "	Fancy Scalloped Edges, Nickel Trimmings, 9 and 13 inches long, per dozen,	5 50
No. 60, Nickel-plated Chain,	9, 11, 13 and 15 inches long, per dozen,	6 50



No. 170.

Nickel-plated Chain Dog Collars.

No. 170, Nickel-plated Chain, Lined with Enameled Leather in Fancy Colors, 9, 11, 13 and 15 in. long, per doz., \$ 10 50

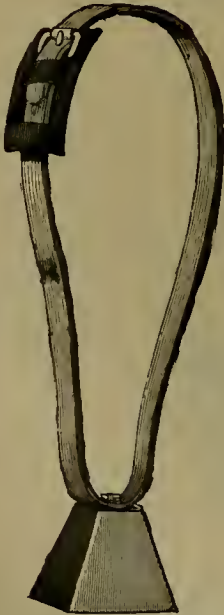
Dodge's Kentucky Cow Bells.



Half size cut of No. 2.

Nos.	0	1	2	3	4	5	6	7
Height (without loop) in.,	7	6	5	4½	4	3	2¾	2½
Per dozen,	\$ 12 00	10 00	8 00	6 00	5 00	3 50	2 50	2 25

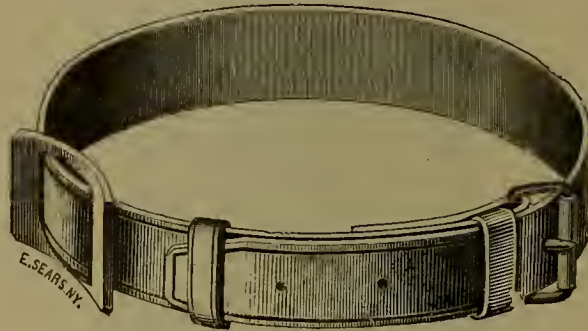
Sheep Bells--With Straps.



Full size cut of No. 2.

Nos.	1	2	3
Per dozen,	\$ 3 00	3 50	4 00

Cow Bell Straps.



Three feet long, buckle stitched on, and a sliding guard, to prevent the loop from wearing the neck.

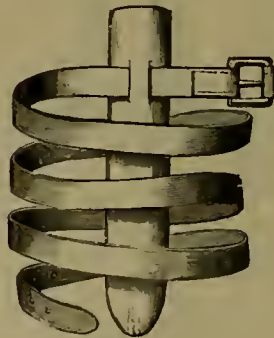
1 ¹ / ₄ inch wide, per dozen,	\$ 4 25
1 ¹ / ₂ " " "	4 75
1 ³ / ₄ " " "	5 25

Sailors' Palms.



Best Hide and Brass, per dozen,	\$ 3 00
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Sheaths and Belts.



Common Sheaths and Belts, per dozen,	\$ 3 00
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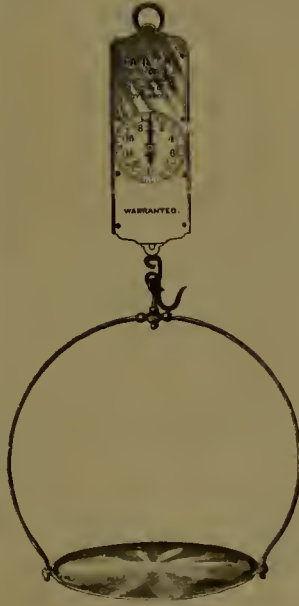
Chatillon's Spring Balances.



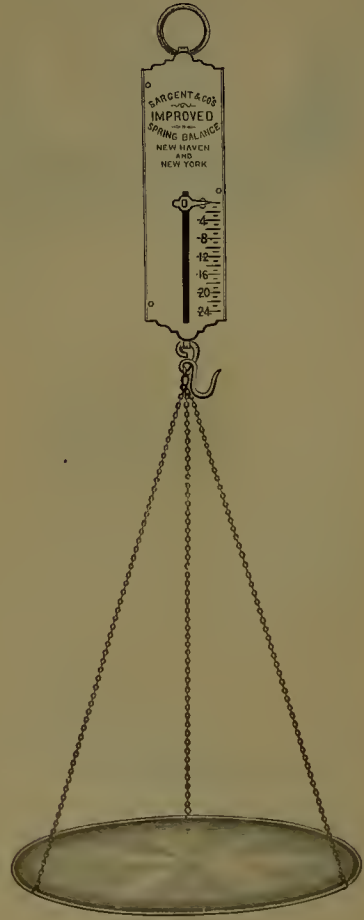
No. 10, Round.



No. 40, Straight.



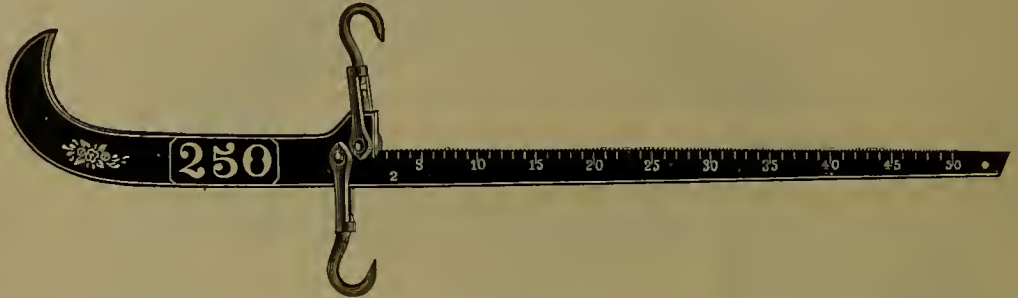
Brass Pan and Bows.



No. 41, with Round Pan.

No. 10, Round, Japanned, to weigh 24 lbs. by $\frac{1}{2}$ lb., with Hook, per dozen,				\$	4 00
No. 20, Light Straight,	24	"	$\frac{1}{2}$ " " " "		2 00
No. 21, " " " "	24	"	$\frac{1}{2}$ " " Round Pan, per dozen,		4 00
No. 30, " " " "	48	"	$\frac{1}{2}$ " " Hook, per dozen,		3 50
No. 31, " " " "	48	"	1 " " Round Pan, per dozen,		7 00
No. 40, " " " "	24	"	$\frac{1}{2}$ " " Hook, per dozen,		4 00
No. 41, " " " "	24	"	$\frac{1}{2}$ " " Round Pan, per dozen,		7 00
No. 70, " " " "	50	"	1 " " Hook, per dozen,		10 00
No. 260, Circular Spring Balance, Brass Front, with Hook, to weigh 30 lbs. by 1 ounce, per dozen,					52 00
No. 144, Circular Spring Balance Butcher Scale, with Brass Pan, Brass Bows and Swivel, to weigh 60 lbs. by 2 oz., per dozen,					110 00

Scale Beams or Patent Balances.



Complete with Poises.

Japanned.

To weigh—lbs.,	100	150	200	250	300	360	400
Each,	\$ 1 50	1 50	1 60	1 90	2 10	2 50	2 90
To weigh—lbs.,	450	500	600	700	800	1,000	1,200
Each,	\$ 3 20	3 50	4 00	4 66	5 30	6 66	8 00

Each one papered separately and labeled. 200 lbs. and less are packed 12 in a case ; all other sizes, 6 in a case.

No charge for cases when ordered in original packages.

We furnish Poises with Scale Beams as follows :

100 and 150 lb. Beams, have each a 1 lb. and 4 lb. Poise.	600 lb. Beams, have each a 8 lb. and 16 lb. Poise.
200, 250 and 300lb. " " 2 " 8 "	700 " " 5 " 20 "
360 lb. " " 4 " 8 "	800 " " 6 " 24 "
400 and 450 lb. " " 3 " 12 "	1,000 " " 8 " 32 "
500 lb. " " 4 " 16 "	1,200 " " 16 " 32 "

Poises—separate.



Weight—lbs.,	1	2	4	8	16	20	24	32
Each,	\$ 0 35	.50	.65	1 25	2 50	....	....	4 15

Fairbanks' Standard Scales.



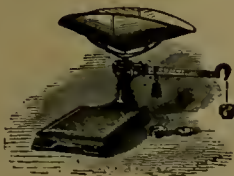
Even Balances.
WITH WEIGHTS COMPLETE.

Capacity.	Each.
No. 1, $\frac{1}{2}$ oz. to 10 lbs. Tin Scoop,	\$ 7 50
No. 1, " " Brass Scoop,	8 00
No. 1, " " Brass Beam, Brass Scoop,	9 00
No. 2, " " 6 lbs. Tin Scoop,	6 00
No. 2, " " Brass Beam, Brass Scoop,	8 00
No. 3, " " 4 lbs. Tin Scoop,	5 00
No. 3, " " Brass Scoop,	6 00
No. 3, " " Two Iron Plates,	5 00



Fairbanks' Druggists' Scales.

Capacity, 1 dram to 8 lbs., with Tin Scoop, each, \$ 10 00
" 1 " 8 " Brass Scoop, each, 11 00



Union or Family Scales.
WITH SINGLE BEAM.

Capacity, $\frac{1}{2}$ oz. to 240 lbs., with Tin Scoop, each, \$ 14 06
" $\frac{1}{2}$ " 240 " Brass Scoop, each, 15 00

Capacity, $\frac{1}{2}$ oz. to 240 lbs., with Tin Scoop, each, \$ 15 00
" $\frac{1}{2}$ " 240 " Brass Scoop, each, 16 00

Adjusted when required to Metric System, or to Russian or Spanish Standard, or to any Two Standards.



Union or Family Scales.
WITH TWO PLATFORMS AND SINGLE BEAM.

Capacity, $\frac{1}{2}$ oz. to 240 lbs., with Tin Scoop, each, \$ 15 50

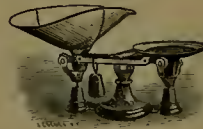
Adjusted when required to Metric System, or to Russian or Spanish Standard, or to any Two Standards.



Even Balance Trip Scales.

HIGHLY ORNAMENTAL. WITH ADJUSTABLE BALANCE.
WITH ONE IRON PLATE AND BRASS SCOOP.

Capacity.	Each.	Iron Weights.	Zinc Weights.
No. 2, $\frac{1}{4}$ oz. to 10 lbs., \$ 9 00		\$ 11 50	\$ 14 00
No. 3, $\frac{1}{4}$ " " 6 " 7 00		9 50	11 50
No. 4, $\frac{1}{4}$ " " 4 " 6 00		7 50	9 00



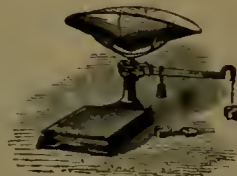
WITH ONE IRON PLATE, BRASS BEAM AND BRASS SCOOP.

Capacity.	Each.	Iron Weights.	Zinc Weights.
No. 2, $\frac{3}{4}$ oz. to 10 lbs., \$ 10 50		\$ 12 00	\$ 14 50
No. 3, $\frac{3}{4}$ " " 6 " 9 00		10 50	12 00
No. 4, $\frac{3}{4}$ " " 4 " 7 00		8 00	9 00



WITH ONE IRON PLATE AND BRASS FUNNEL SCOOP.

Capacity.	Each.	Iron Weights.	Zinc Weights.
No. 2, $\frac{1}{4}$ oz. to 10 lbs., \$ 10 50		\$ 13 00	\$ 15 50
No. 3, $\frac{1}{4}$ " " 6 " 8 50		10 00	12 00
No. 4, $\frac{1}{4}$ " " 4 " 7 00		8 50	10 00



Union or Family Scale.

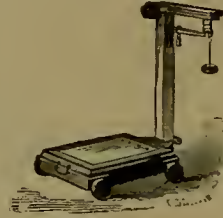
WITH SINGLE BEAM, SLIDING BRASS POISE.

Capacity, $\frac{1}{2}$ oz. to 240 lbs., with Tin Scoop, each, \$ 15 00
" $\frac{1}{2}$ " 240 " Brass Scoop, each, 16 00

Adjusted when required to Metric System, or to Russian or Spanish Standard, or to any Two Standards.

Fairbanks' Standard Scales.

Portable Platform Scales.



WITH WHEELS.

No. 7, Cap. 2,000 lbs. Platform, 30 × 24 in., each \$ 80 00	No. 10½, Cap. 900 lbs. Platform, 26 × 17 in., each \$ 43 00
No. 8, " 1,600 " " 30 × 23 " 70 00	No. 11, " 600 " " 25 × 16 " 33 00
No. 9, " 1,400 " " 28 × 21 " 58 00	No. 11½, " 400 " " 21 × 15 " 26 00
No. 10, " 1,200 " " 28 × 20 " 50 00	

Scales of above capacity and dimensions, without wheels, \$2.00 to \$3.00 less.

Portable Platform Scales—New Pattern.



WITH WHEELS. SLIDING BRASS POISE BEAM.

EXTRA MODIFICATION.

Capacity, 1,400 lbs., each \$ 60 00	Capacity, 800 lbs., each \$ 38 00
" 1,200 " 55 00	" 600 " 35 00
" 1,000 " 50 00	" 500 " 30 00
" 900 " 45 00	" 400 " 28 00

Portable Platform Scales.



WITH WHEELS AND DROP LEVER.

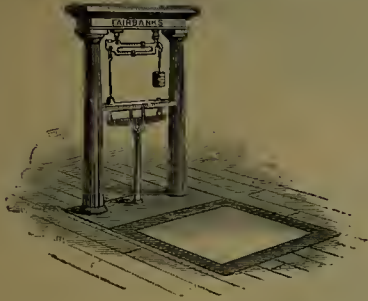
No. 7, Cap. 2,500 lbs. Platform, 30 × 24 in., each \$ 94 00	No. 10, Cap. 1,200 lbs. Platform, 28 × 20 in., each \$ 60 00
No. 8, " 2,000 " " 30 × 23 " 82 00	No. 10½, " 1,000 " " 26 × 17 " 52 00
No. 9, " 1,500 " " 28 × 21 " 70 00	

EXTRA HEAVY SCALE WITH HEAVY WHEELS.

EXTRA MODIFICATION.

Capacity 3,000 lbs. Platform, 39x30 in., each . \$ 125 00	Capacity 4,000 lbs. Platform, 30 × 40 in., each \$ 140 00
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“California”
Grain Warehouse Scales.



NEW PATTERN. INTRODUCED IN 1880.

EXTRA MODIFICATION.

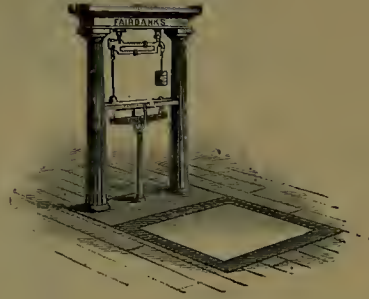
This Scale is Especially designed for Warehouse Use on the Pacific Coast, the Platform being of the Right Size and Shape for Grain Trucks.

WITH TWO IRON PILLARS, SLIDING POISE AND TARE BEAM.

Capacity, 2,500 lbs. Platform, 37 x 47 in., each, \$ 125 00

“ 2,000 “ “ 36 x 47 “ 115 00

“The Granger”
Grain Warehouse Scales.



NEW PATTERN. INTRODUCED IN 1882.

EXTRA MODIFICATION.

This Scale is Especially Designed for Use in Flour Mills.

WITH TWO IRON PILLARS, SLIDING POISE AND TARE BEAM.

Capacity, 1,500 lbs. Platform, 33 x 44 in., each, \$ 100 00

“ 1,200 “ “ 33 x 43 “ 96 00

California Grain Weighers' Scales.

EXTRA MODIFICATION.

EXTRA HEAVY, WITH LARGE WHEELS, PILLAR BRACE, SLIDE POISE AND DOUBLE CATCHES ON PLATFORM. FOR USE ON WHARF AND ON DECK OF VESSELS.

Capacity, 1,000 lbs., Platform, 26 x 18 in., each \$ 52 00

Tea Scales.



No. 6.

No. 1, Japanned, with Tin Scoop, weighing from $\frac{1}{4}$ oz. to 4 lbs., per dozen, \$ 15 00

No. 6, “ “ “ $\frac{1}{4}$ “ 6 “ “ 24 00

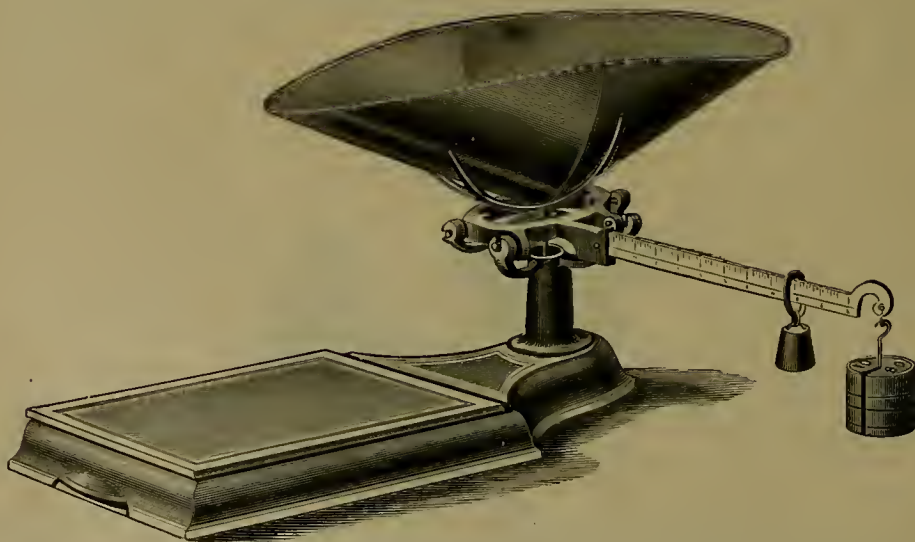
Scales—*Continued.*

No. 192.

No. 192, Turnbull's Family Scale, with Platform and Scoop. To weigh 12 lbs. by ounces.
Per dozen,

\$ 48 00

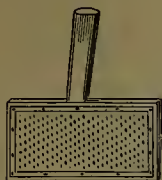
Union Platform Scales.



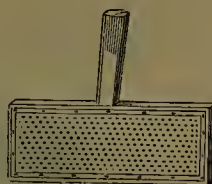
No. 15, Ornamented Scale, Tin Scoop, Brass Beam, Steel Bearings, weighing from $\frac{1}{2}$ oz. to
240 lbs., each,

\$ 8 50

Cards.

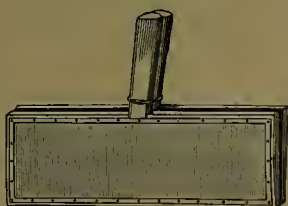


CURRY CARDS.

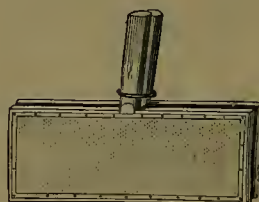


HORSE CARDS.

Curry Cards, per dozen,				\$ 1 25
Horse Cards, " "				1 50



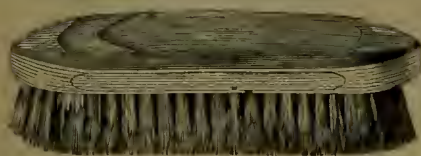
COTTON CARDS.



WOOL CARDS.

Cotton Cards, per dozen pairs,	10 B, \$ 5 50	10 A, \$ 6 00	10 AA, \$ 6 50
Wool Cards, per dozen pairs,			4 50

Dandy Corn Brushes.



No. 45, 3 x 11 inch Block, 1 1/2 inch Bristles, per dozen,		\$ 6 00
No. 55, 3 x 11 " " 1 3/4 " " "		8 00
No. 80, 3 x 11 " " Whalebone outside,		10 00

Scrubbing Brushes.



SINGLE WING.

No. 76, with Handle, per dozen,		\$ 4 00
No. 72, " " extra quality,		6 00

Flexible Leather Back Horse Brushes.



No. 30, Russet Leather, Heavy Plain Back, Unbleached Bristle, warranted, per dozen,	\$ 9 00
No. 10, " Unbleached Bristle, per dozen,	6 00
No. 28, " Black Center, White Outside, Bristle, warranted, per dozen,	8 00
No. 85, " " " " per dozen,	24 00
No. 87, " extra quality, Unbleached " "	30 00
No. 520, " " Bleached " "	21 00

Handled Shoe Brushes.



No. 2, Common, Plain Back, per dozen,	\$ 4 00
No. 3, Medium, " Varnished, per dozen,	5 00
No. 7, " " " "	6 00
No. 140, Extra, Oval Back, " "	9 00

Whitewash Heads.



No. 8, 7 inch Block, White and Colored Bristles, per dozen,	\$ 8 00
No. 10, 7½ " " " "	10 00
No. 12, 8 " " " "	12 00

Patent Covered Spring Harness Snaps.



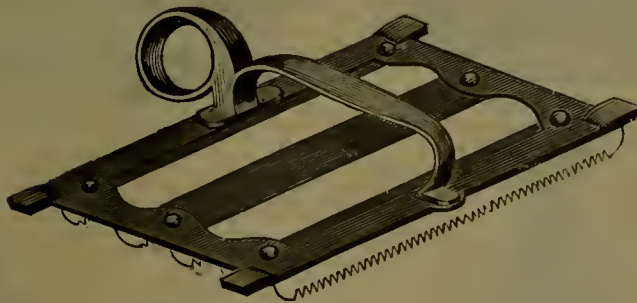
Full size cut of No. 114.

Tinned.

Nos.	110½	111	112	114	115	116	117	118
Size of Eye, inch,	¾	¾	¾	1	1¼	1½	1¾	2
Per gross,	\$ 7 50	8 00	9 00	9 50	15 50	17 50	19 50	21 00

Nos. 111 to 114, half gross in a box ; other numbers, quarter gross.

Hotchkiss' Patent "Novelty" Combs.

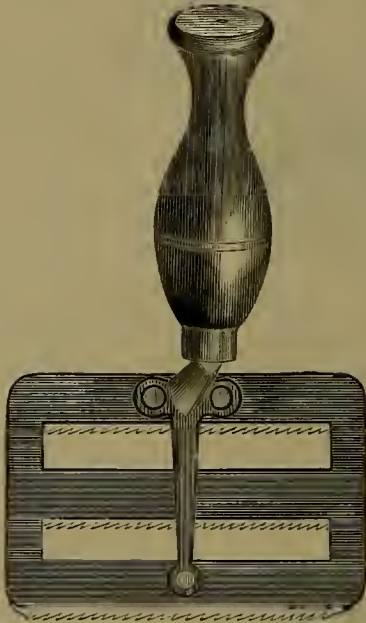


No. 600, 6 Bar, Iron, Japanned, Open Back, per dozen,	\$ 1 75
No. 601, 6 " Tinned, " "	2 00
No. 602, 8 " Japanned, " "	2 50
No. 603, 8 " Tinned, " "	2 50



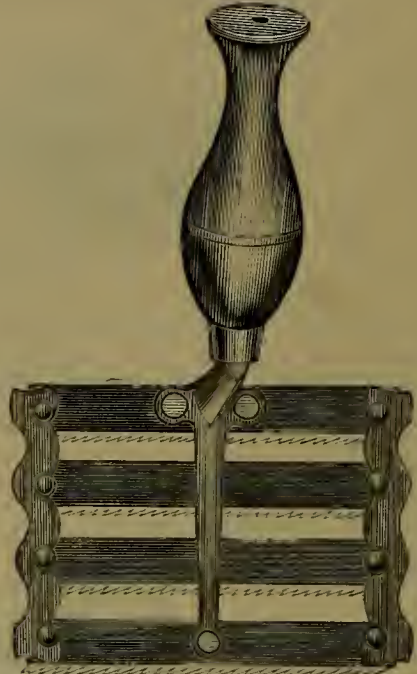
No. 610, 6 Bar, Iron, Japanned, Close Back, heavy, per dozen,	\$ 3 50
No. 611, 6 " Tinned, " "	4 00

Hotchkiss' Curry Combs.



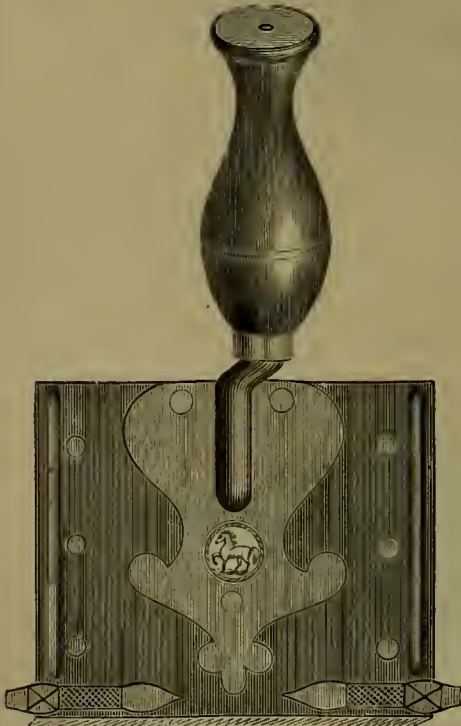
No. 00, 6 Bar, Iron, Japanned, per dozen,

\$ 1 00



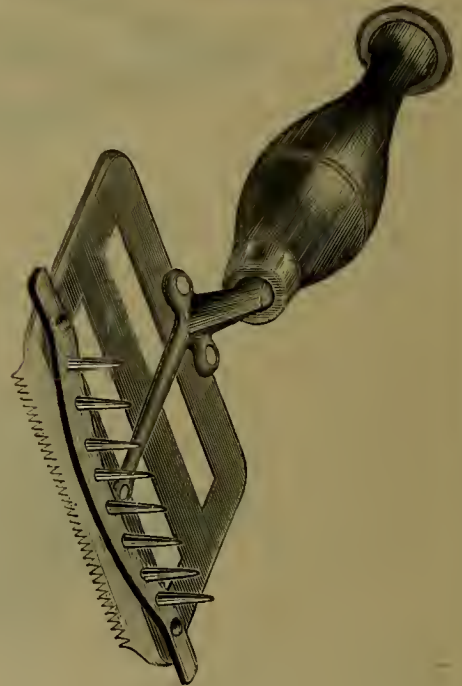
No. 81 8 Bar, Iron, Tinned, per dozen,

\$ 3 50



Nos. 222 and 1222.

- No. 222, 8 Bar, Iron, Oval Face, Japanned, per dozen,
- No. 1222, 8 " " " Tinned, "
- No. 314, 6 " " Tinned, per dozen,



No. 314.

3 00
3 25
3 00

Lawrence Perfect Curry Combs.



Nos. 20 and 120.

No. 20, 6 Bars, Iron, Japanned, per dozen,
 No. 120, 6 " " Tinned, "



Nos. 21 and 121.

3 00	No. 21, 8 Bars, Iron, Japanned, per dozen,	\$ 4 00
3 50	No. 121, 8 " " Tinned, "	4 50



Nos. 31 and 131.

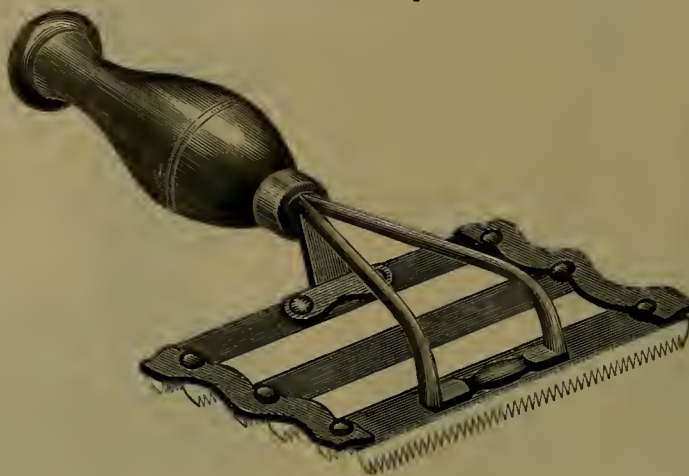
No. 31, 7 Bars, Iron, Japanned, per dozen,
 No. 131, 7 " " Tinned, "



Nos. 30 and 130.

\$ 4 50	No. 30, 6 Bars, Iron, Japanned, per dozen,	\$ 3 50
5 00	No. 130, 6 " " Tinned, "	4 00

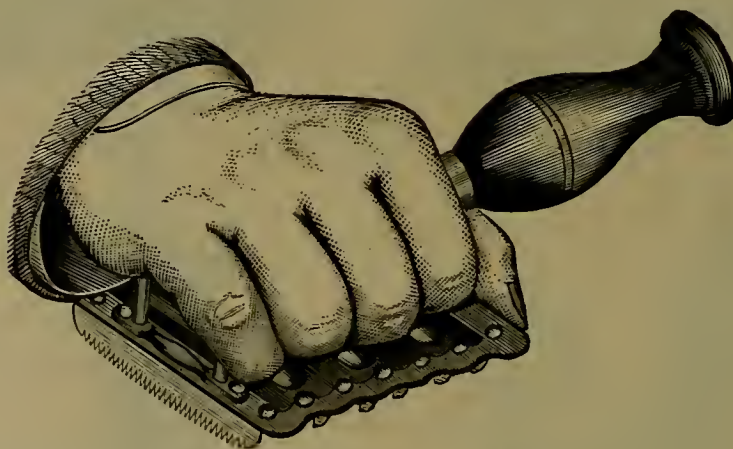
Hotchkiss' Patent "Superior" Combs.



Open Backs.

No. 856, 6 Bar, Iron, Japanned, per dozen,

\$ 2 50



Close Back, Extra Heavy.

No. 869, 8 Bar, Iron, Japanned, per dozen,

\$ 4 50

" 870, " " Tinned, "

5 00

Rubber Curry Combs.



Rubber Curry Combs, per dozen,

\$ 10 00

Dixon's Stove Polish.



Dixon's.
Per Gross, \$ 6 65

Gem.
\$ 5 50
One-half gross in a box.

Japanese.
\$ 4 50

Shoe Blacking.



Mason's.
No. 2, Shoe Blacking, Mason's, Medium, per gross, \$
No. 4, " " " Large, " "

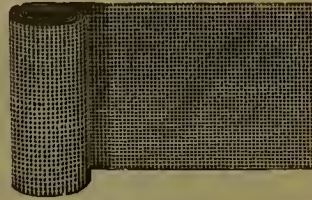
Axle Grease.

Hucks & Lambert, per case, \$ 3 75
Challenge, per case, 3 75
Paragon, " 3 75

Wire Cloth.

Green Wire Cloth, 24, 26, 28, 30, 32, 34, 36 inches wide, per square foot, \$
Drab " 24, 26, 28, 30, 32, 34, 36 " "

Regular Market Grade Iron Wire Cloth.



No.	Mesh	made from	No.	Wire,	Price
No. 2	Mesh	made from	No. 16	Wire,	12 cents per square foot.
2 1/2	"	"	17	"	12
3	"	"	18	"	12
4	"	"	20	"	12
5	"	"	21	"	12
6	"	"	22	"	12
7	"	"	23	"	12
8	"	"	24	"	12
9	"	"	25	"	12
10	"	"	26	"	12
12	"	"	27	"	12
14	"	"	29	"	12
16	"	"	30	"	12
18	"	"	32	"	12
20	"	"	34	"	12

TINNED WIRE CLOTH.

Any width made to order, not less than 100 feet. For price add 20 per cent to price of Iron Wire Cloth.

GALVANIZED WIRE CLOTH.

Same widths and Meshes as Iron Wire Cloth. For price add 25 per cent to the price of Iron Wire Cloth.

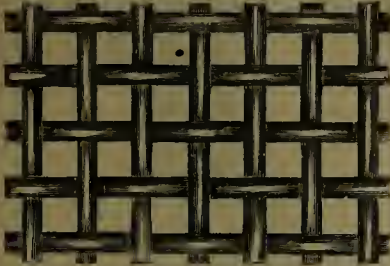
Regular Market Grade of Brass Wire Cloth.

No.	Mesh	Brass Wire Cloth,	made from	No.	Wire,	Price
No. 2	Mesh	Brass Wire Cloth,	made from	No. 16	Wire,	50 cents per square foot.
3	"	"	"	17	"	50
4	"	"	"	18	"	50
5	"	"	"	19	"	50
6	"	"	"	20	"	50
8	"	"	"	22	"	50
10	"	"	"	23	"	50
12	"	"	"	24	"	50
14	"	"	"	25	"	50
16	"	"	"	26	"	50
18	"	"	"	27	"	50
20	"	"	"	28	"	50
22	"	"	"	29	"	50
24	"	"	"	30	"	50
30	"	"	"	31	"	52
40	"	"	"	33	"	55
50	"	"	"	35	"	58
60	"	"	"	36	"	60
70	"	"	"	37	"	70
80	"	"	"	38	"	90
90	"	"	"	39	"	\$ 1 10
100	"	"	"	40	"	1 30
120	"	"	"	42	"	1 75
150	"	"	"	43	"	3 00

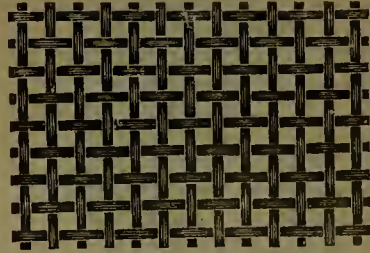
No length less than 100 feet shall be understood to be a Roll.
The Mesh in Wire Cloth is the distance from Center to Center of Wires.

Wire Cloth.

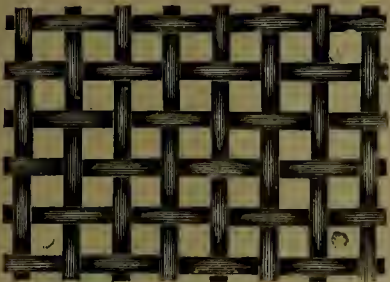
HEAVY CRIMPED FOR COAL BURNING LOCOMOTIVES.



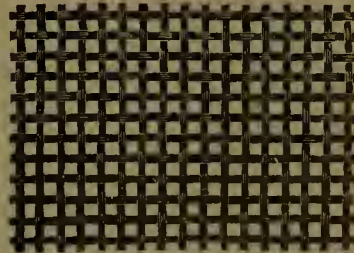
No. 3 Mesh, No. 12 Wire.



No. 6 Mesh, No. 16 Wire.



No. 4 Mesh, No. 14 Wire.



No. 8 Mesh, No. 18 Wire.

Price List of Heavy Crimped Spark Wire Cloth.

The Mesh in Wire Cloth is the distance from Center to Center of Wires. No length less than 100 feet shall be understood to be a Roll.

No. 3 Mesh, No. 12 Wire, per square foot,	38 cts.	No. 6 Mesh, No. 16 Wire, per square foot,	38 cts.
No. 3½ " " No. 13 " " " "	38 "	No. 8 " " No. 18 " " " "	38 "
No. 4 " " No. 14 " " " "	38 "	No. 9 " " No. 19 " " " "	38 "
No. 5 " " No. 15 " " " "	38 "	No. 10 " " No. 20 " " " "	38 "

Price List of Heavy Screen Wire Cloth.

The Space in Screen Cloth means the space between the Wires. No length less than 100 feet shall be understood to be a Roll.

1 inch space, 6 wire, per square foot,	40 cts.	½ inch space, 10 wire, per square foot,	40 cts.
¾ " " 7 " " " "	40 "	⅜ " " 11 " " " "	40 "
⅝ " " 9 " " " "	40 "		

Brass Milk Strainer Wire Cloth.

By the quantity (1,000 square feet and over) per square foot,
 In less quantity at an order, per square foot,

Sieve Cloth.

Brass Wire Sieve Cloth.

No. 20 Mesh, 26 inches wide, per square foot,	25 cts.	No. 24 Mesh, 26 inches wide, per square foot,	27 cts.
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Tin-plated Sieve Cloth

No. 18 Mesh, 26 inches wide, per square foot,	12 cts.	No. 24 Mesh, 26 inches wide, per square foot,	15 cts.
No. 20 " 26 " " " " "	13 "		

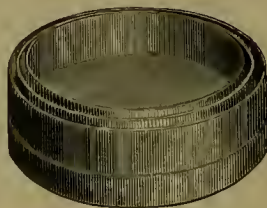
Chess Cloth or Long Mesh Wire Cloth.

For Grain Screens.

Mesh 1 x 4, per square foot,	15 cts.	Mesh 2 x 12, per square foot	15 cts.
" 3/4 x 5, " "	15 "	" 3 x 9, " "	15 "
" 2 x 6, " "	15 "	" 3 x 10, " "	15 "
" 2 x 7, " "	15 "	" 3 x 11, " "	15 "
" 2 x 8, " "	15 "	" 3 x 12, " "	15 "
" 2 x 9, " "	15 "	" 4 x 12, " "	15 "
" 2 x 10, " "	15 "	" 4 x 14, " "	15 "
" 2 x 11, " "	15 "	" 4 x 16, " "	15 "

CHESS CLOTH, *Extra Heavy*, 20 cents per square foot.

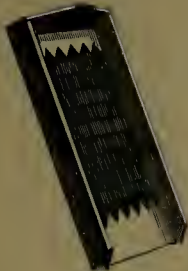
Flour and Meal Sieves.



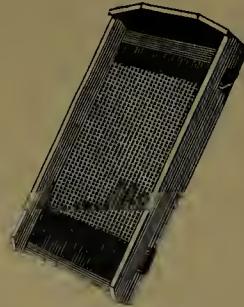
Nest of Three Sieves.

Plated Wire, 18 Mesh, 11, 12 and 13 inches diameter, per dozen,	\$ 2 50
" 20 " 11, 12 and 13 " " "	3 00
Brass " 20 " 11, 12 and 13 " " "	5 00
" " 24 " 11, 12 and 13 " " "	6 00
Mann's Tin Frame Sieves, per dozen,	4 50

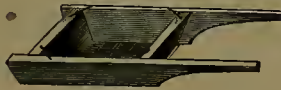
Screens, Riddles, Sieves, Etc.



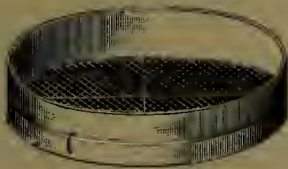
Sand Screen.



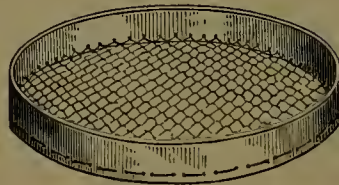
Coal and Ore Screen.



White Mortar Screen.



Foundry Riddle.



Barrel Cover.

Twisted 1½ inch Mesh, with Wood Rim, \$7.50 per dozen.

Coal and Ore Screens, 1 inch to 2 inch Mesh, each,		\$ 12 00
“ “ “ ½ “ 7/8 “ “ “		14 00
“ “ “ 1 “ 2 “ “ Heavy Oak Frames, Iron bound, each,		20 00
“ “ “ 1 ¼ “ 7/8 “ “ “ “ “ “ “		22 00
Improved Coal and Sand Screens, 1/8 inch Mesh, each,		10 00
“ “ “ 3/8 “ “ “		10 00
“ “ “ 1/2 “ “ “		10 00
“ “ “ 3/4 “ “ “		10 00
“ “ “ 1 “ “ “		10 00
“ “ “ 1 1/4 “ “ “		10 00
“ “ “ 1 1/2 “ “ “		10 00

Riddles for Foundry Use, Etc.

18 inch diameter, Iron Wire, per dozen,		\$ 10 00
20 “ “ Extra Heavy No. 2, per dozen,		12 00
18 “ Brass Wire, per dozen,		20 00
20 “ “ Extra Heavy No. 2, per dozen,		30 00

Miners' Steel Wire Riddles.

Heavy Steel Crimped Wire, 3/4 to 1 1/2 inch Mesh, per dozen,		\$ 36 00
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These are made out of heavy steel wire, 20 inches in diameter, and made especially for miners' use.

Iron.

Refined Rolled Iron.

Price per lb.

ROUND AND SQUARE, $\frac{3}{16}$ inch,	8 cts.	FLATS, $\frac{1}{4}$ and $\frac{5}{16}$ by $\frac{5}{8}$ inch,	5 $\frac{1}{2}$ cts.
" " $\frac{1}{4}$ inch,	6	" $\frac{1}{4}$ and $\frac{5}{16}$ by $\frac{1}{2}$ to 1 inch,	4 $\frac{1}{2}$
" " $\frac{3}{8}$ inch,	5 $\frac{1}{2}$	" " and $\frac{5}{16}$ by $\frac{1}{2}$ to 3 inch,	4 $\frac{1}{2}$
" " $\frac{1}{2}$ and $\frac{7}{16}$ inch,	5	" " and $\frac{5}{16}$ by $\frac{3}{4}$ to 5 inch,	4 $\frac{1}{2}$
" " $\frac{9}{16}$, $\frac{5}{8}$ and $\frac{11}{16}$ inch, 4 $\frac{1}{2}$	4 $\frac{1}{2}$	" " and $\frac{5}{16}$ by $\frac{3}{4}$ to 6 inch,	5
" " $\frac{1}{2}$ to 2 inch,	4	" " No. 12 to 2 inch thick by 7 and 8 in. 6	6
" " $\frac{2}{3}$ to 2 $\frac{3}{4}$ inch,	4 $\frac{1}{4}$	" " and $\frac{7}{16}$ by $\frac{1}{2}$ inch	5 $\frac{1}{2}$
" " $\frac{3}{4}$ to 3 $\frac{1}{4}$ inch,	4 $\frac{1}{4}$	" " to $\frac{9}{16}$ by $\frac{5}{8}$ inch,	5
" " $3\frac{1}{2}$ inch,	4 $\frac{3}{4}$	" " to by $\frac{3}{4}$ inch,	4 $\frac{1}{2}$
" " $3\frac{3}{4}$ and 4 inch,	5	" " to by and 1 inch,	4 $\frac{1}{4}$
" " $4\frac{1}{4}$ and 4 $\frac{1}{2}$ inch,	5 $\frac{1}{4}$	" " to 1 by $1\frac{1}{8}$ to 4 inch,	4
" " $4\frac{3}{4}$	5 $\frac{1}{2}$	" " to 1 by $4\frac{1}{4}$ to 6 inch,	4 $\frac{1}{2}$
" " 5 and 5 $\frac{1}{4}$ inch,	6	" " $1\frac{1}{8}$ to $1\frac{1}{2}$ by $1\frac{1}{2}$ to 4 inch,	4 $\frac{1}{2}$
" " 5 $\frac{1}{2}$ and 5 $\frac{3}{4}$ inch.	6 $\frac{1}{2}$	" " $1\frac{1}{8}$ to $1\frac{1}{2}$ by $4\frac{1}{4}$ to 6 inch,	4 $\frac{3}{4}$
" " 6 inch,	7	" " $1\frac{5}{8}$ to 2 by $2\frac{1}{4}$ to 4 inch,	4 $\frac{1}{2}$
		" " $1\frac{5}{8}$ to 2 by $4\frac{1}{4}$ to 6 inch,	5
ANGLE IRON, $\frac{1}{2}$ by $\frac{3}{4}$ to 1 inch,	7 cts.	OVAL, HALF OVAL AND HALF ROUND,	
" " by $1\frac{1}{4}$ and wider,	6 $\frac{1}{2}$	and $\frac{1}{2}$ inch,	6 cts.
" " $\frac{1}{2}$ by $\frac{7}{8}$ and 1 inch,	6 $\frac{1}{2}$	and wider,	5 $\frac{1}{2}$
" " $\frac{1}{2}$ by $1\frac{1}{2}$ and wider,	5 $\frac{1}{2}$	HAMMERED REFINED IRON, extra,	5
" " $\frac{1}{2}$ by 1 inch and wider,	5 $\frac{1}{2}$		
" " and thicker, all widths,	5		

Norway Iron.

NAIL RODS,	7 $\frac{1}{4}$ cts.	SHOE SHAPES,	6 $\frac{1}{2}$ cts.
ROUND AND SQUARE, $\frac{1}{4}$ and $\frac{5}{16}$ inch,	7 $\frac{1}{4}$	FLATS, $\frac{1}{4}$ and $\frac{3}{16}$ inch thick,	7 $\frac{1}{4}$
" " $\frac{3}{8}$ to $\frac{5}{8}$ inch,	6 $\frac{3}{4}$	" " $\frac{1}{2}$ and $\frac{5}{16}$ inch thick,	6 $\frac{3}{4}$
" " $\frac{1}{2}$ to 2 inch,	6 $\frac{1}{4}$	" " to $1\frac{1}{4}$ inch thick,	6 $\frac{1}{4}$
" " $\frac{2}{3}$ to 4 inch,	6 $\frac{3}{4}$	" " $1\frac{3}{8}$ to 2 inch thick	6 $\frac{3}{4}$
OVAL, HALF OVAL AND HALF ROUND,			6 $\frac{3}{4}$

Burden Best and Ulster Iron.

ROUND AND SQUARE, $\frac{1}{2}$ and $\frac{5}{16}$ inch,	6 $\frac{3}{4}$ cts.	ROUND AND SQUARE, $\frac{3}{4}$ to 2 inch,	5 $\frac{3}{4}$ cts.
" " $\frac{3}{8}$ and $\frac{7}{16}$ inch,	6 $\frac{1}{2}$	" " $\frac{2}{3}$ to 3 inch,	6 $\frac{1}{4}$
" " $\frac{1}{2}$ and $\frac{5}{8}$ inch,	6 $\frac{1}{4}$	" " $3\frac{1}{2}$ to 4 inch,	6 $\frac{3}{4}$
FLATS,	5 $\frac{3}{4}$	OVAL, HALF OVAL AND HALF ROUND,	6 $\frac{1}{4}$

Plate Iron.

Refined and C. No. 1, No. 12, and thicker,	cts.	No. 17 and 18,	cts.
C. H. No. 1, No. 12 and thicker,		No. 20,	
No. 13 to 15,		Boiler Heads, C. No. 1,	
No. 16,		Boiler Heads, C. H. No. 1,	

Band Iron.

No. 12 to $\frac{3}{16}$ by $\frac{1}{2}$ inch wide,	6 cts.	No. 12 to $\frac{3}{16}$ by 1 and $1\frac{1}{8}$ inch wide,	5 cts.
" " " $\frac{1}{4}$ " "	5 $\frac{3}{4}$	" " " $1\frac{1}{4}$ to 6	4 $\frac{3}{4}$
" " " $\frac{1}{2}$ " "	5 $\frac{1}{2}$		

Hoop Iron.

PRICES SUBJECT TO SPECIAL QUOTATIONS.

All Galvanized Iron.

3 $\frac{1}{2}$ cents advance on this list for Hoop and Band. | 3 cents advance on this list for Bar.

Weight of Round and Square Iron.

Weight of Round Iron Per Foot.

In sizes from $\frac{1}{4}$ inch to 12 inches in diameter.

Size. in.	Weight. lb.	Size. in.	Weight. lb.	Size. in.	Weight. lb.	Size. in.	Weight. lb.	Size. in.	Weight. lb.	Size. in.	Weight. lb.
$\frac{1}{4}$	0.2	$1\frac{3}{4}$	8.1	$3\frac{1}{4}$	28.0	$4\frac{3}{4}$	60.0	$6\frac{1}{2}$	112.2	$9\frac{1}{2}$	239.6
$\frac{3}{8}$	0.4	$1\frac{7}{8}$	9.3	$3\frac{3}{8}$	30.2	$4\frac{7}{8}$	63.1	$6\frac{3}{4}$	121.0	$9\frac{3}{4}$	252.4
$\frac{1}{2}$	0.7	2	10.6	$3\frac{1}{2}$	32.5	5	66.8	7	130.0	10	266.3
$\frac{5}{8}$	1.0	$2\frac{1}{8}$	12.0	$3\frac{5}{8}$	34.9	$5\frac{1}{8}$	69.7	$7\frac{1}{4}$	139.5	$10\frac{1}{4}$	278.9
$\frac{3}{4}$	1.5	$2\frac{1}{4}$	13.5	$3\frac{3}{4}$	37.3	$5\frac{1}{4}$	73.2	$7\frac{1}{2}$	149.3	$10\frac{1}{2}$	292.7
$\frac{7}{8}$	2.0	$2\frac{3}{8}$	15.0	$3\frac{7}{8}$	39.9	$5\frac{3}{8}$	76.7	$7\frac{3}{4}$	159.5	$10\frac{3}{4}$	306.8
1	2.7	$2\frac{1}{2}$	16.7	4	42.5	$5\frac{1}{2}$	80.0	8	169.9	11	321.2
$1\frac{1}{8}$	3.4	$2\frac{5}{8}$	18.8	$4\frac{1}{8}$	45.2	$5\frac{5}{8}$	84.3	$8\frac{1}{4}$	180.7	$11\frac{1}{4}$	336.0
$1\frac{1}{4}$	4.2	$2\frac{3}{4}$	20.1	$4\frac{1}{4}$	48.0	$5\frac{3}{4}$	87.8	$8\frac{1}{2}$	191.8	$11\frac{1}{2}$	351.1
$1\frac{3}{8}$	5.0	$2\frac{7}{8}$	21.9	$4\frac{3}{8}$	50.8	$5\frac{7}{8}$	91.6	$8\frac{3}{4}$	203.3	$11\frac{3}{4}$	366.5
$1\frac{1}{2}$	6.0	3	23.9	$4\frac{1}{2}$	53.8	6	95.6	9	215.0	12	382.2
$1\frac{5}{8}$	7.0	$3\frac{1}{8}$	25.9	$4\frac{5}{8}$	56.8	$6\frac{1}{4}$	103.7	$9\frac{1}{4}$	227.2		

Weight of Square Iron Per Foot.

In sizes from $\frac{1}{4}$ inch to 12 inches square.

Size. in.	Weight. lb.	Size. in.	Weight. lb.	Size. in.	Weight. lb.	Size. in.	Weight. lb.	Size. in.	Weight. lb.	Size. in.	Weight. lb.
$\frac{1}{4}$	0.2	$1\frac{3}{4}$	10.4	$3\frac{1}{4}$	35.7	$4\frac{3}{4}$	76.3	$6\frac{1}{2}$	142.8	$9\frac{1}{2}$	305.1
$\frac{3}{8}$	0.5	$1\frac{7}{8}$	11.9	$3\frac{3}{8}$	38.5	$4\frac{7}{8}$	80.3	$6\frac{3}{4}$	154.0	$9\frac{3}{4}$	321.3
$\frac{1}{2}$	0.8	2	13.5	$3\frac{1}{2}$	41.4	5	84.5	7	165.6	10	337.9
$\frac{5}{8}$	1.3	$2\frac{1}{8}$	15.3	$3\frac{5}{8}$	44.4	$5\frac{1}{8}$	88.8	$7\frac{1}{4}$	177.7	$10\frac{1}{4}$	355.1
$\frac{3}{4}$	1.9	$2\frac{1}{4}$	17.1	$3\frac{3}{4}$	47.5	$5\frac{1}{4}$	93.2	$7\frac{1}{2}$	190.1	$10\frac{1}{2}$	372.7
$\frac{7}{8}$	2.6	$2\frac{3}{8}$	19.1	$3\frac{7}{8}$	50.8	$5\frac{3}{8}$	97.7	$7\frac{3}{4}$	203.0	$10\frac{3}{4}$	390.6
1	3.4	$2\frac{1}{2}$	21.1	4	54.1	$5\frac{1}{2}$	102.2	8	216.3	11	409.0
$1\frac{1}{8}$	4.3	$2\frac{5}{8}$	23.3	$4\frac{1}{8}$	57.5	$5\frac{5}{8}$	107.0	$8\frac{1}{4}$	230.1	$11\frac{1}{4}$	427.8
$1\frac{1}{4}$	5.3	$2\frac{3}{4}$	25.6	$4\frac{1}{4}$	61.1	$5\frac{3}{4}$	111.8	$8\frac{1}{2}$	244.2	$11\frac{1}{2}$	447.0
$1\frac{3}{8}$	6.4	$2\frac{7}{8}$	27.9	$4\frac{3}{8}$	64.7	$5\frac{7}{8}$	116.7	$8\frac{3}{4}$	258.8	$11\frac{3}{4}$	466.7
$1\frac{1}{2}$	7.6	3	30.4	$4\frac{1}{2}$	68.4	6	121.7	9	273.8	12	486.7
$1\frac{5}{8}$	8.9	$3\frac{1}{8}$	33.0	$4\frac{5}{8}$	72.3	$6\frac{1}{4}$	132.0	$9\frac{1}{4}$	289.2		

Weight of Flat Iron per foot.

In widths from 1 to 6 inches, and thickness from $\frac{1}{4}$ inch to 1 inch.

Size.	Weight.	Size.	Weight.	Size.	Weight.	Size.	Weight.
in.	lb.	in.	lb.	in.	lb.	in.	lb.
1 x $\frac{1}{4}$	0.8	2 $\frac{3}{4}$ x $\frac{3}{8}$	3.5	4 $\frac{1}{2}$ x $\frac{1}{2}$	7.6	1 x $\frac{3}{4}$	2.5
1 $\frac{1}{4}$ x $\frac{1}{4}$	1.1	3 x $\frac{3}{8}$	3.8	4 $\frac{1}{4}$ x $\frac{1}{2}$	8.0	1 $\frac{1}{4}$ x $\frac{3}{4}$	3.2
1 $\frac{1}{2}$ x $\frac{1}{4}$	1.3	3 $\frac{1}{4}$ x $\frac{3}{8}$	4.1	5 x $\frac{1}{2}$	8.4	1 $\frac{1}{2}$ x $\frac{3}{4}$	3.8
1 $\frac{3}{4}$ x $\frac{1}{4}$	1.5	3 $\frac{1}{2}$ x $\frac{3}{8}$	4.4	5 $\frac{1}{4}$ x $\frac{1}{2}$	8.9	1 $\frac{3}{4}$ x $\frac{3}{4}$	4.4
2 x $\frac{1}{4}$	1.7	3 $\frac{3}{4}$ x $\frac{3}{8}$	4.8	5 $\frac{1}{2}$ x $\frac{1}{2}$	9.3	2 x $\frac{3}{4}$	5.1
2 $\frac{1}{4}$ x $\frac{1}{4}$	1.9	4 x $\frac{3}{8}$	5.1	5 $\frac{3}{4}$ x $\frac{1}{2}$	9.7	2 $\frac{1}{4}$ x $\frac{3}{4}$	5.7
2 $\frac{1}{2}$ x $\frac{1}{4}$	2.1	4 $\frac{1}{4}$ x $\frac{3}{8}$	5.4	6 x $\frac{1}{2}$	10.1	2 $\frac{1}{2}$ x $\frac{3}{4}$	6.3
2 $\frac{3}{4}$ x $\frac{1}{4}$	2.3	4 $\frac{1}{2}$ x $\frac{3}{8}$	5.7	1 x $\frac{5}{8}$	2.1	2 $\frac{3}{4}$ x $\frac{3}{4}$	7.0
3 x $\frac{1}{4}$	2.5	4 $\frac{3}{4}$ x $\frac{3}{8}$	6.0	1 $\frac{1}{4}$ x $\frac{5}{8}$	2.6	3 x $\frac{3}{4}$	7.6
3 $\frac{1}{4}$ x $\frac{1}{4}$	2.7	5 x $\frac{3}{8}$	6.3	1 $\frac{1}{2}$ x $\frac{5}{8}$	3.2	3 $\frac{1}{4}$ x $\frac{3}{4}$	8.2
3 $\frac{1}{2}$ x $\frac{1}{4}$	3.0	5 $\frac{1}{4}$ x $\frac{3}{8}$	6.7	1 $\frac{3}{4}$ x $\frac{5}{8}$	3.7	3 $\frac{1}{2}$ x $\frac{3}{4}$	8.9
3 $\frac{3}{4}$ x $\frac{1}{4}$	3.2	5 $\frac{1}{2}$ x $\frac{3}{8}$	7.0	2 x $\frac{5}{8}$	4.2	3 $\frac{3}{4}$ x $\frac{3}{4}$	9.5
4 x $\frac{1}{4}$	3.4	5 $\frac{3}{4}$ x $\frac{3}{8}$	7.3	2 $\frac{1}{4}$ x $\frac{5}{8}$	4.8	4 x $\frac{3}{4}$	10.1
4 $\frac{1}{4}$ x $\frac{1}{4}$	3.6	6 x $\frac{3}{8}$	7.6	2 $\frac{1}{2}$ x $\frac{5}{8}$	5.3	4 $\frac{1}{4}$ x $\frac{3}{4}$	10.8
4 $\frac{1}{2}$ x $\frac{1}{4}$	3.8	1 x $\frac{1}{2}$	1.7	2 $\frac{3}{4}$ x $\frac{5}{8}$	5.8	4 $\frac{1}{2}$ x $\frac{3}{4}$	11.4
4 $\frac{3}{4}$ x $\frac{1}{4}$	4.0	1 $\frac{1}{4}$ x $\frac{1}{2}$	2.1	3 x $\frac{5}{8}$	6.3	4 $\frac{3}{4}$ x $\frac{3}{4}$	12.0
5 x $\frac{1}{4}$	4.2	1 $\frac{1}{2}$ x $\frac{1}{2}$	2.5	3 $\frac{1}{4}$ x $\frac{5}{8}$	6.9	5 x $\frac{3}{4}$	12.7
5 $\frac{1}{4}$ x $\frac{1}{4}$	4.4	1 $\frac{3}{4}$ x $\frac{1}{2}$	3.0	3 $\frac{1}{2}$ x $\frac{5}{8}$	7.4	5 $\frac{1}{4}$ x $\frac{3}{4}$	13.3
5 $\frac{1}{2}$ x $\frac{1}{4}$	4.6	2 x $\frac{1}{2}$	3.4	3 $\frac{3}{4}$ x $\frac{5}{8}$	7.9	5 $\frac{1}{2}$ x $\frac{3}{4}$	13.9
5 $\frac{3}{4}$ x $\frac{1}{4}$	4.9	2 $\frac{1}{4}$ x $\frac{1}{2}$	3.8	4 x $\frac{5}{8}$	8.4	5 $\frac{3}{4}$ x $\frac{3}{4}$	14.6
6 x $\frac{1}{4}$	5.1	2 $\frac{1}{2}$ x $\frac{1}{2}$	4.2	4 $\frac{1}{4}$ x $\frac{5}{8}$	9.0	6 x $\frac{3}{4}$	15.2
1 x $\frac{2}{3}$	1.3	2 $\frac{3}{4}$ x $\frac{1}{2}$	4.6	4 $\frac{1}{2}$ x $\frac{5}{8}$	9.5	1 $\frac{1}{2}$ x 1	5.1
1 $\frac{1}{4}$ x $\frac{2}{3}$	1.6	3 x $\frac{1}{2}$	5.1	4 $\frac{3}{4}$ x $\frac{5}{8}$	10.0	2 x 1	6.8
1 $\frac{1}{2}$ x $\frac{2}{3}$	1.9	3 $\frac{1}{4}$ x $\frac{1}{2}$	5.5	5 x $\frac{5}{8}$	10.6	3 x 1	10.1
1 $\frac{3}{4}$ x $\frac{2}{3}$	2.2	3 $\frac{1}{2}$ x $\frac{1}{2}$	5.9	5 $\frac{1}{4}$ x $\frac{5}{8}$	11.1	4 x 1	13.5
2 x $\frac{2}{3}$	2.5	3 $\frac{3}{4}$ x $\frac{1}{2}$	6.3	5 $\frac{1}{2}$ x $\frac{5}{8}$	11.6	5 x 1	16.9
2 $\frac{1}{4}$ x $\frac{2}{3}$	2.9	4 x $\frac{1}{2}$	6.8	5 $\frac{3}{4}$ x $\frac{5}{8}$	12.1	6 x 1	20.3
2 $\frac{1}{2}$ x $\frac{2}{3}$	3.2	4 $\frac{1}{4}$ x $\frac{1}{2}$	7.2	6 x $\frac{5}{8}$	12.7		

Weight of Steel Tire per set of 54 feet.

Inch,	1 x $\frac{1}{2}$	1 x $\frac{5}{8}$	1 $\frac{1}{4}$ x $\frac{1}{2}$	1 $\frac{1}{2}$ x $\frac{1}{2}$	2 x $\frac{1}{2}$	2 x $\frac{3}{4}$	1 $\frac{1}{2}$ x $\frac{3}{4}$	1 $\frac{1}{4}$ x 1	1 $\frac{1}{2}$ x $\frac{1}{2}$
Lbs.,	23 $\frac{3}{4}$	58 $\frac{1}{2}$	59	124	18	20 $\frac{1}{4}$	40 $\frac{1}{2}$	74	142
Inch,	2 x $\frac{1}{2}$	1 x $\frac{7}{8}$	1 $\frac{1}{2}$ x $\frac{1}{4}$	1 $\frac{1}{4}$ x $\frac{3}{4}$	1 $\frac{1}{2}$ x $\frac{1}{2}$	2 x $\frac{5}{8}$	2 x $\frac{7}{8}$	2 x $\frac{1}{2}$	1 $\frac{1}{2}$ x $\frac{5}{8}$
Lbs.,	15 $\frac{1}{4}$	35 $\frac{1}{2}$	54	88 $\frac{1}{2}$	154	22 $\frac{3}{4}$	27	30 $\frac{1}{2}$	67 $\frac{1}{2}$
Inch,	1 $\frac{3}{4}$ x $\frac{3}{4}$	1 $\frac{3}{4}$ x $\frac{1}{2}$	2 x $\frac{1}{4}$	2 x $\frac{1}{4}$	1 x $\frac{1}{4}$	1 $\frac{1}{2}$ x $\frac{3}{4}$	1 $\frac{1}{2}$ x $\frac{3}{4}$	2 x $\frac{1}{2}$	
Lbs.,	98	165	35 $\frac{1}{2}$	40 $\frac{1}{4}$	47 $\frac{1}{2}$	81	107	190	

Steel.

Best Refined Tool Quality.

OCTAGON, $\frac{3}{8}$ inch,	FLAT, $\frac{3}{16}$ inch by $\frac{1}{4}$ and $\frac{5}{16}$ inch wide,
“ $\frac{1}{2}$ to 2 inch,	“ $\frac{3}{16}$ “ $\frac{3}{8}$ to $\frac{5}{8}$ “
ROUND AND SQUARE, $\frac{1}{8}$ inch,	“ $\frac{3}{16}$ “ $\frac{3}{4}$ “ 5 “
“ “ “ $\frac{3}{16}$ “	“ $\frac{1}{4}$ “ $\frac{5}{16}$ “ $\frac{1}{2}$ “
“ “ “ $\frac{1}{4}$ “	“ $\frac{1}{4}$ “ $\frac{5}{8}$ “ 6 “
“ “ “ $\frac{5}{16}$ “	“ $\frac{3}{8}$ “ $\frac{1}{2}$ “ 6 “
“ “ “ $\frac{3}{8}$ “	“ $\frac{1}{2}$ “ $\frac{5}{8}$ “ 6 “
“ “ “ $\frac{1}{2}$ to 2 “	“ $\frac{5}{8}$ “ $\frac{3}{4}$ “ 6 “
“ “ “ $2\frac{1}{8}$ to 3 “	“ $\frac{3}{4}$ “ $\frac{7}{8}$ “ 5 “
FLAT, $\frac{1}{8}$ inch by $\frac{1}{4}$ inch wide,	“ $\frac{3}{4}$ “ $5\frac{1}{4}$ “ 6 “
“ $\frac{1}{8}$ “ $\frac{3}{8}$ “	“ $\frac{7}{8}$ “ 1 “ 4 “
“ $\frac{1}{8}$ “ $\frac{1}{2}$ “	“ $\frac{7}{8}$ “ $4\frac{1}{4}$ “ 6 “
“ $\frac{1}{8}$ “ $\frac{5}{8}$ “	“ 1 “ $1\frac{1}{8}$ “ 4 “
“ $\frac{1}{8}$ “ $\frac{3}{4}$ to 1 “	“ 1 “ $4\frac{1}{4}$ “ 6 “
“ $\frac{1}{8}$ “ $1\frac{1}{8}$ to 4 “	

Hammer and Pick Quality.

SQUARE, $\frac{1}{4}$ inch,	SQUARE, $3\frac{1}{8}$ to 4 inch,
“ $\frac{5}{16}$ “	“ $4\frac{1}{8}$ to 5 “
“ $\frac{3}{8}$ “	“ $5\frac{1}{8}$ to 6 “
“ $\frac{1}{2}$ to 2 “	FLAT, $\frac{3}{8}$ to 1 inch, by $\frac{1}{2}$ to 4 inch wide,
“ $2\frac{1}{8}$ to 3 “	“ $\frac{3}{8}$ to 1 “ $4\frac{1}{4}$ to 6 “

Machinery Quality.

ROUND, $\frac{3}{8}$ inch,	ROUND, $3\frac{1}{8}$ to 4 inch,
“ $\frac{1}{2}$ to 2 inch,	“ $4\frac{1}{8}$ to 5 “
“ $2\frac{1}{8}$ to 3 inch,	“ $5\frac{1}{8}$ to 6 “

Miscellaneous.

TOE CALK,	FLOW,
TIRE,	SPRING,
HAMMERED GERMAN,	

Use a very gentle blast, with a good supply of fuel, and work at as low a heat as possible. HARDEN AT A VERY LOW CHERRY RED. OUR WARRANTY.—Any Steel proving defective when used for the purpose ordered, will be replaced; but no claims for labor or damages will be allowed. Prices subject to changes in the Market without notice.

List of Ordinary Sizes of Steel.

SQUARE— $\frac{3}{8}$ to 2 inches inclusive.

OCTAGON— $\frac{3}{8}$ to 2 inches inclusive.

ROUND— $\frac{3}{8}$ to 2 inches inclusive.

FLAT— $\frac{1}{2}$ x $\frac{5}{16}$ and over. $\frac{3}{4}$ x $\frac{1}{2}$ and over. $\frac{7}{8}$, 1 and 1 in. x $\frac{3}{16}$ and over. $1\frac{1}{2}$ to 2 in. inclusive x $\frac{1}{2}$ and over.
 $2\frac{1}{4}$ x $\frac{1}{4}$ to $1\frac{3}{4}$. $2\frac{1}{2}$ x $\frac{1}{8}$ to $1\frac{1}{2}$. $2\frac{3}{4}$ x $\frac{1}{8}$ to $1\frac{3}{4}$. 3 x $\frac{1}{4}$ to $1\frac{3}{4}$. $3\frac{1}{2}$ x $\frac{1}{2}$ to $1\frac{1}{2}$. 4 x $\frac{1}{2}$ to 1 . $4\frac{1}{2}$ x $\frac{1}{4}$ to $\frac{3}{4}$.
 5 x $\frac{1}{2}$ to $\frac{3}{4}$. 6 x $\frac{1}{2}$ to $\frac{3}{4}$.

List of Extra Sizes of Steel.

EXTRA, per lb. SQUARE,	19 $\frac{1}{8}$	11 $\frac{5}{32}$	6 $\frac{3}{16}$	3 $\frac{7}{32}$	2 $\frac{1}{4}$	1 $\frac{5}{16}$	1 2 $\frac{1}{8}$ to 3	2 3 $\frac{1}{2}$ to 4	3 4 $\frac{1}{2}$	cents. inches.
EXTRA, per lb. ROUND,	14 $\frac{1}{8}$	11 $\frac{5}{32}$	6 $\frac{3}{16}$	3 $\frac{7}{32}$	2 $\frac{1}{4}$	1 $\frac{5}{16}$	1 2 $\frac{1}{8}$ to 3	2 3 $\frac{1}{2}$ to 3 $\frac{1}{2}$	3 3 $\frac{3}{8}$ to 4	cents. inches.
EXTRA, per lb. FLAT,	11 $\frac{1}{4}$ x $\frac{1}{4}$	4 $\frac{3}{8}$ x $\frac{1}{8}$	1 $\frac{3}{8}$ x $\frac{1}{4}$	2 $\frac{1}{2}$ x $\frac{1}{8}$	1 $\frac{1}{2}$ x $\frac{3}{16}$ and $\frac{1}{4}$	2 $\frac{5}{8}$ x $\frac{1}{8}$	1 $\frac{5}{8}$ x $\frac{3}{16}$			cents. inches.
EXTRA, per lb. FLAT,	1 $\frac{3}{4}$, $\frac{7}{8}$ and 1 x $\frac{1}{2}$	1 2 $\frac{1}{2}$ x $1\frac{1}{2}$ & over	1 2 $\frac{3}{4}$ x $1\frac{1}{2}$ & over	1 3 x $1\frac{3}{8}$ & over	1 3 $\frac{1}{2}$ x $1\frac{1}{4}$ to 2 $\frac{1}{2}$	1 4 x $1\frac{1}{2}$ to 2 $\frac{1}{2}$				cents. inches.
EXTRA, per lb. FLAT,	2 4 x 2 $\frac{1}{2}$ to 3 $\frac{3}{4}$	1 4 $\frac{1}{2}$ x 1 to 2	2 4 $\frac{1}{2}$ x 2 $\frac{1}{4}$ to 3 $\frac{1}{2}$	1 5 x $\frac{1}{2}$ to 1 $\frac{7}{8}$	2 5 x 2 to 3	1 6 x $\frac{3}{4}$ to 1 $\frac{1}{2}$	2 6 x 1 $\frac{3}{4}$ to 2 $\frac{1}{2}$			cents. inches.

Cutting to length, $\frac{1}{4}$ c. extra per lb.

Weights of Bar Steel per foot.

Round.

Weight of one foot of Bar Steel.

Diameter—inch.	.166 lbs	Diameter—inch.	1 $\frac{1}{2}$	7.65 lbs.	Diameter—inch.	3	24.03 lbs.
" "	.375 "	" "	1 $\frac{3}{4}$	8.17 "	" "	3 $\frac{1}{4}$	26.12 "
" "	.667 "	" "	1 $\frac{7}{8}$	9.38 "	" "	3 $\frac{1}{2}$	28.20 "
" "	1.04 "	" "	2	10.68 "	" "	3 $\frac{3}{8}$	30.45 "
" "	1.50 "	" "	2 $\frac{1}{4}$	12.04 "	" "	3 $\frac{1}{2}$	32.70 "
" "	2.05 "	" "	2 $\frac{1}{2}$	13.51 "	" "	3 $\frac{3}{8}$	35.12 "
" "	2.67 "	" "	2 $\frac{3}{4}$	15.05 "	" "	3 $\frac{3}{4}$	37.54 "
" "	3.38 "	" "	2 $\frac{1}{2}$	16.68 "	" "	4	42.72 "
" "	4.17 "	" "	2 $\frac{3}{4}$	18.43 "	" "	4 $\frac{1}{4}$	48.22 "
" "	5.05 "	" "	2 $\frac{3}{4}$	20.19 "	" "	4 $\frac{1}{2}$	54.06 "
" "	6.00 "	" "	2 $\frac{7}{8}$	22.00 "	" "	5	66.75 "

Square.

Side—inch.	.213 lbs.	Side—inch.	1 $\frac{1}{2}$	9.00 lbs.	Side—inch.	3	30.60 lbs.
" "	.479 "	" "	1 $\frac{3}{4}$	10.44 "	" "	3 $\frac{1}{4}$	33.18 "
" "	.855 "	" "	1 $\frac{7}{8}$	11.98 "	" "	3 $\frac{1}{2}$	35.90 "
" "	1.33 "	" "	2	13.63 "	" "	3 $\frac{3}{8}$	38.78 "
" "	1.91 "	" "	2 $\frac{1}{4}$	15.35 "	" "	3 $\frac{1}{2}$	41.65 "
" "	2.61 "	" "	2 $\frac{1}{2}$	17.20 "	" "	3 $\frac{3}{8}$	44.17 "
" "	3.40 "	" "	2 $\frac{3}{4}$	19.17 "	" "	3 $\frac{3}{4}$	46.70 "
" "	4.34 "	" "	2 $\frac{3}{4}$	21.20 "	" "	4	54.40 "
" "	5.32 "	" "	2 $\frac{3}{4}$	23.30 "	" "	4 $\frac{1}{4}$	61.40 "
" "	6.44 "	" "	2 $\frac{3}{4}$	25.70 "	" "	4 $\frac{1}{2}$	68.85 "
" "	7.67 "	" "	2 $\frac{7}{8}$	27.74 "	" "	5	85.00 "

Octagon.

Diameter—inch.	.84 lbs.	Diameter—inch.	1 $\frac{3}{4}$	5.50 lbs.	Diameter—inch.	2 $\frac{1}{4}$	14.75 lbs.
" "	1.23 "	" "	1 $\frac{1}{2}$	6.45 "	" "	2 $\frac{3}{8}$	16.30 "
" "	1.75 "	" "	1 $\frac{3}{8}$	7.75 "	" "	2 $\frac{1}{2}$	17.85 "
" "	2.25 "	" "	1 $\frac{1}{2}$	9.20 "	" "	2 $\frac{3}{8}$	19.50 "
" "	2.75 "	" "	1 $\frac{3}{4}$	10.04 "	" "	2 $\frac{1}{2}$	21.25 "
" "	3.66 "	" "	2	11.60 "	" "	2 $\frac{3}{8}$	22.69 "
" "	4.55 "	" "	2 $\frac{1}{4}$	13.14 "	" "	3	25.00 "

Weight Flat Steel per foot.

Width—inch,	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	1 $\frac{7}{8}$	2	2 $\frac{1}{4}$	2 $\frac{3}{4}$
1 inch thick,	.852	.958	1.06	1.17	1.27	1.49	1.70	1.91	2.13
" "	1.027	1.043	1.59	1.75	1.91	2.23	2.55	2.87	3.20
" "	1.080	1.091	2.13	2.34	2.55	2.98	3.40	3.83	4.26
" "	2.013	2.039	2.66	2.92	3.19	3.72	4.26	4.79	5.32
" "	2.054	2.086	3.18	3.50	3.82	4.46	5.10	5.74	6.40
" "	2.098	3.034	3.72	4.09	4.46	5.21	5.96	6.70	7.46
1 "	3.040	3.082	4.26	4.68	5.10	5.96	6.80	7.66	8.52



Full size cut of No. 0.

Wrought Iron Open Links.

Nos.	0	1	2	3	4
For Chain—inch,	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{3}{16}$	$\frac{3}{8}$	$\frac{1}{2}$
Per gross,	\$ 5 50	6 20	9 00	12 30	24 00

Cold Shuts.

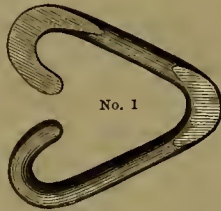
Cut No. 1 exhibits the Cold Shut as it appears before using, and cut No. 2 shows it as applied.

These Cold Shuts are put up in boxes containing 12 to 125 each, according to size.

Sizes assorted for Trappers and Farmers.

Per pound,

50 cts.



No. 2.

Vises.

HAND VISES.

WROUGHT BENCH VISE.

WOOD HANDLE HAND VISE.



No. 140.



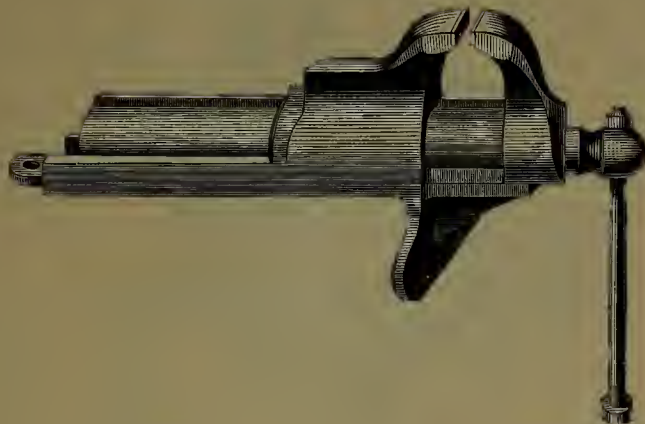
No. 152.



No. 144.

No. 140, $3\frac{1}{2}$ inch, per dozen,	\$ 9 00
No. 140, 4 " " "	9 00
No. 140, $4\frac{1}{2}$ " " "	9 50
No. 144, $3\frac{1}{2}$ " " "	12 00
No. 144, $4\frac{1}{2}$ " " "	12 50
No. 152, 3 pounds each, per dozen,	24 00
No. 152, $3\frac{1}{2}$ " " "	24 00
No. 152, 4 " " "	24 00

Parallel Bench Vises.



Jaws Faced with Best Steel, Screws Wrought Iron, Boxes Composition.

No. 00, $\frac{1}{2}$ Inch Screw, $2\frac{1}{4}$ Inch Jaw, each,	\$ 3 15
No. 0, $\frac{5}{8}$ " " $2\frac{1}{2}$ " " "	3 80
No. 1, $\frac{3}{4}$ " " 3 " " "	5 40

Cheney's Improved Combined Anvil and Vise.

WITH ADJUSTABLE JAW.



No. 10, Face of Anvil, $4\frac{1}{2} \times 2$ inches; Jaws, $2\frac{1}{2}$ inches; wide and open, 3 inches, price,	\$ 3 50
No. 20, " $6\frac{1}{2} \times 3$ " " $3\frac{1}{3}$ " " 4 " "	4 50
No. 30, " $8 \times 3\frac{1}{2}$ " " 4 " " 5 " "	5 50
No. 40, " $8\frac{1}{2} \times 4$ " " $4\frac{1}{2}$ " " 6 " "	6 50

No. 10 is adapted for use of Jewelers, Amateurs, Boys, or any one who wishes a small, strong and convenient tool.

No. 20 is especially the Householders' Tool, and no family can afford to do without it. With a hammer, a few rivets and nails, you can at odd times, with the help of this, make such repairs as are constantly needed about every house; besides, it will furnish your boys a useful amusement and encourage them in the study of mechanics and home improvements.

Nos. 30 and 40, to hold wedge or other odd shaped articles, which is done by removing the steel pin, allowing the jaw to turn on its pivot, and accommodate itself to the shape of the article, the great convenience of which will be appreciated by any one who has tried to hold a wedge in a common vise.

Parallel Bench Vises.



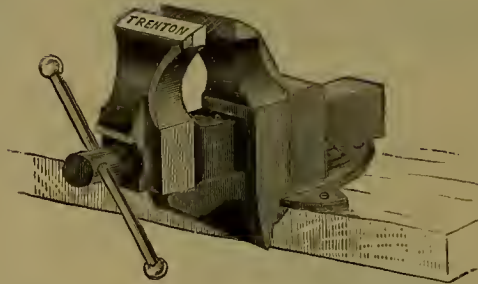
No. 9.

The Farmers' Vise.

FOR LIGHT WORK IN METAL OR WOOD.

Jaws, inch,	2	2½	3	3½	4	4½
Price, each,	\$ 2 50	2 70	3 00	4 65	6 70	9 65

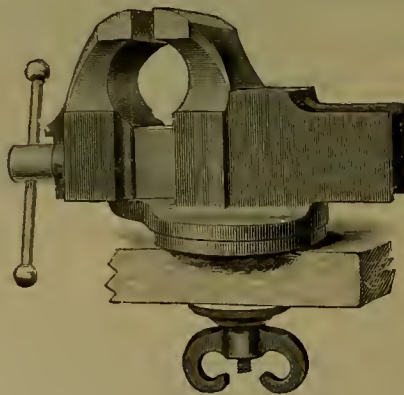
Trenton Improved Parallel Vises.



No. 4.

3 inch Jaws, each,	\$ 5 00
3½ " " "	5 75
4 " " "	7 50

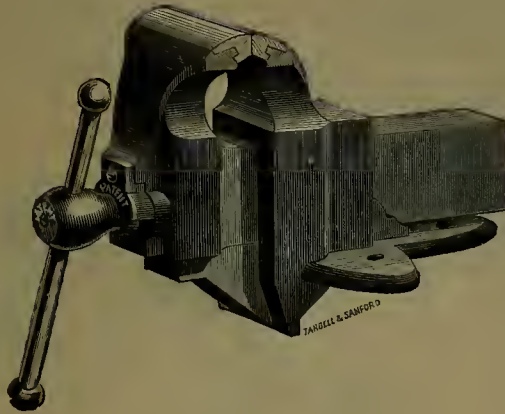
New Model Improved Swivel Vises.



No. 8.

3 inch Jaws, each,	\$ 5 50
3½ " " "	7 00

Parker's Patent Parallel Vises.



No. 3.

No. 1, Round Jaws, weight, 34 lbs.;	length of Jaws, $3\frac{5}{8}$ inches, each,	\$ 8 00
No. 2, " " 42½	" 4¼ "	10 00
No. 3, " " 61	" 4¾ "	13 00
No. 4, " " 83	" 5¾ "	19 00
No. 5, " " 127	" 6½ "	27 00

Parker's Patent Coach-makers' Vise.

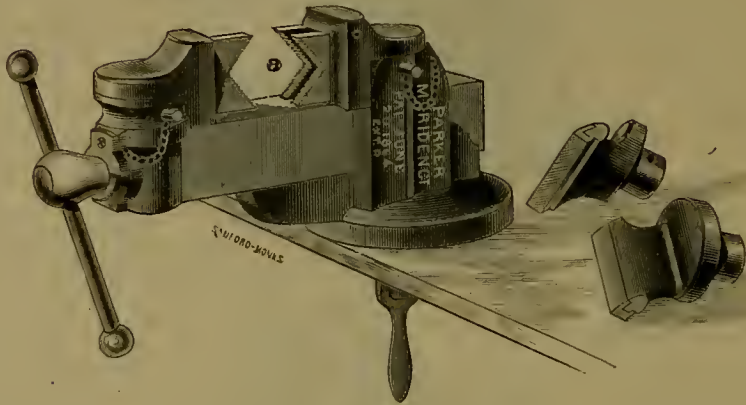


No. 40.

No. 40, $4\frac{1}{8}$ inch Jaws, opens 8 inches, each,	\$ 11 75
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Parker's Patent Pipers' Vises.

With Interchangeable Jaws.



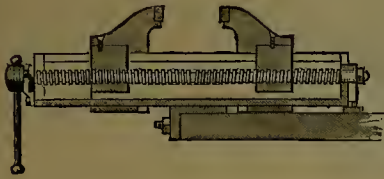
No. 86, with Two Sets Jaws, weight, 76 lbs., for holding 3-inch pipe and under, each, \$ 16 00

Patent Combination Pipe Vise.



No. 87, Round and Pipers' Jaws, weight 41 lbs., for holding 2-inch pipe and under, each, \$ 16 00

Mechanics' Vises



4 inch Jaw, each,	\$ 9 00
5 " " "	16 00

Blacksmiths' Solid Box Vises.



Sizes of Jaws, and Corresponding Weights.

3 3/4 inch Jaw, about,	35 lbs.	5 1/2 inch Jaw, about,	80 and 85 lbs.
4 " " "	40 "	5 3/4 " " "	90 " 95 "
4 1/4 " " "	45 "	6 " " "	100 " 110 "
4 1/2 " " "	50 "	6 1/2 " " "	120 " 130 "
4 3/4 " " "	55 "	7 " " "	140 " 150 "
5 " " "	60 "	7 1/4 " " "	160 " 170 "
5 " " "	65 "	7 1/2 " " "	180 "
5 1/4 " " "	70 and 75 "	7 3/4 " " "	190 "
		8 " " "	200 "

Price, per pound,

SOLE AGENTS ON PACIFIC COAST FOR

AMERICAN TUBE AND IRON CO'S
 Iron Pipe, Boiler Tubes, Artesian Well Tubing
 and Drive Pipe.

TABLE OF STANDARD DIMENSIONS AND SIZES.

Size.	Price per Foot Plain.	Price per Foot Galvanized.	Actual Outside Diameter.	Thickness.	Weight Per Foot.	Threads to Inch of Screw.
Inches.			Inches.	Inches.	Pounds.	
$\frac{1}{8}$	\$ 0 03		0.405	0.068	0.24	
$\frac{1}{4}$	03	\$ 0 05	0.54	0.088	0.42	18
$\frac{3}{8}$	$03\frac{3}{4}$	$05\frac{1}{2}$	0.675	0.091	0.56	18
$\frac{1}{2}$	$04\frac{3}{4}$	06	0.84	0.109	0.85	14
$\frac{3}{4}$	06	$07\frac{1}{2}$	1.05	0.113	1.12	14
1	08	$10\frac{1}{2}$	1.315	0.134	1.67	$11\frac{1}{2}$
$1\frac{1}{4}$	11	14	1.66	0.140	2.25	$11\frac{1}{2}$
$1\frac{1}{2}$	21	24	1.9	0.145	2.69	$11\frac{1}{2}$
2	26	30	2.375	0.154	3.66	$11\frac{1}{2}$
$2\frac{1}{2}$	38	47	2.875	0.204	5.77	8
3	50	62	3.5	0.217	7.54	8
$3\frac{1}{2}$	67	83	4.0	0.226	9.05	8
4	83	1 00	4.5	0.237	10.72	8
$4\frac{1}{2}$	1 00	1 25	5.0	0.247	12.49	8
5	1 10	1 50	5.563	0.259	14.56	8
6	1 50	2 00	6.625	0.280	18.76	8
7	2 00		7.625	0.301	23.41	8
8	2 75		8.625	0.322	28.34	8
9	3 70		9.68	0.344	34.07	8
10	4 75		10.75	0.366	40.64	8
12	6 50		13.00	0.410	54.65	8

Subject to change without notice. For Code for Ordering by Telegraph see page 416.

Order Wrought Iron Pipe by INSIDE MEASUREMENT.

IRON BOILER TUBES.

Outside Diam. Inches.	Thickness Wire Gauge.	Price Per Foot.	Weight Per Foot.	Outside Diam. Inches.	Thickness Wire Gauge.	Price Per Foot.	Weight Per Foot.
1	15	\$ 0 23	0.708	$3\frac{1}{4}$	11	\$ 0 38	3.958
$1\frac{1}{4}$	15	23	0.9	$3\frac{1}{2}$	11	41	4.272
$1\frac{1}{2}$	14	23	1.250	$3\frac{3}{4}$	11	45	4.590
$1\frac{3}{4}$	13	22	1.665	4	10	50	5.320
2	13	22	1.981	$4\frac{1}{2}$	10	60	6.010
$2\frac{1}{4}$	13	25	2.238	5	9	72	7.226
$2\frac{1}{2}$	12	28	2.755	6	8	1 00	9.346
$2\frac{3}{4}$	12	31	3.045	7	8	1 45	12.435
3	12	34	3.333	8	8	1 85	15.109

EXTRA LENGTHS.—The list prices cover all tubes up to, and including, 8 inch diameter and 20 feet long. For over that length, an extra charge of 10 per cent will be made on net of invoices. Order Boiler Tubes by *outside* measurement.

Malleable Pipe Fittings.



Cross.



Reducer.



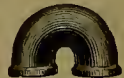
Elbow.



Tee.



Coupling.



Return Bend.

Class 1.

ELBOWS and TEES, 2 in. and larger, per lb.,

Class 2. (ADVANCE 2 CTS. ON CLASS 1.)

ELBOWS and TEES, $\frac{3}{4}$ to $1\frac{1}{2}$ inclusive.
STREET ELBOWS, $1\frac{1}{4}$ and larger.
CAPS and CROSSES, $1\frac{1}{4}$.

RETURN BENDS, 1 and larger.
REDUCERS and COUPLINGS, $1\frac{1}{4}$ and larger.

Class 3. (ADVANCE 4 CTS. ON CLASS 1.)

ELBOWS and TEES, $\frac{3}{8}$ and $\frac{1}{2}$ inclusive.
STREET ELBOWS, $\frac{3}{8}$ to 1 inclusive.
CAPS and CROSSES, $\frac{3}{8}$ to 1 "

RETURN BENDS, $\frac{3}{8}$ to $\frac{3}{4}$ inclusive.
REDUCERS and COUPLINGS, $\frac{3}{8}$ to 1 inclusive.
DROP ELBOWS and DROP TEES, all sizes.

Class 4. (ADVANCE 12 CTS. ON CLASS 1.)

ELBOWS, TEES, CAPS, SOCKETS and CROSSES, $\frac{1}{8}$ and $\frac{1}{4}$,

Galvanized Fittings, 5 cts. lb. extra.

PIPE STRAPS, Galvanized or Tinned, per pound,

25 cts.

Piece Fittings, Black.



Union.



Plug.



Bushing



Nipp'l.



Cap.



Lock-nut.

Sizes,	$\frac{1}{4}$ in.	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
UNIONS, each,	\$ 0 15	.15	.20	.25	.30	.40	.50	.75	1.50	2.50	4.00	5.00
PLUGS, each,	.05	.05	.05	.06	.08	.10	.12	.15	.30	.50	.75	1.00
BUSHINGS, each,	.05	.06	.06	.08	.10	.12	.15	.20	.35	.60	.80	1.25
CAPS, each,	.05	.05	.05	.10	.12	.15	.25	.30	.50	.70	.90	1.25
NIPPLES, Short, each,	.06	.06	.08	.10	.12	.15	.20	.25	.70	.75	1.00	1.25
" Long, "	.08	.08	.10	.12	.15	.20	.25	.35	.75	1.00	1.25	1.75
LOCK NUTS, "	.05	.05	.05	.06	.08	.10	.12	.15	.30	.50	.75	1.00
WROUGHT SOCKETS,	.06	.08	.10	.12	.15	.20	.25	.30	.50	.70	.90	1.25

For Galvanized Piece Goods, double above list.

Union Flanges—Per Pair with Bolts.

Sizes,	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Per pair, with Bolts,	\$ 1 00	1 25	1 50	1 75	2 00	2 75	3 75	4 75
Plain Pipe Flanges, per pound,								12 $\frac{1}{2}$ cts.

Heavy Artesian Well Tubing and Drive Pipe.

WITH LONG SOCKET OR FLUSH JOINT.

Sizes,	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
Price,	\$ 0 08	.10	.12	.15	.22	.30	.40	.50
Weight,	1.67	2.25	2.69	3.66	5.77	7.54	9.05	10.72
Sizes,	$4\frac{1}{2}$	5	6	7	8	9	10	12
Price,	\$ 0 60	.66	.90	1 20	1 65	2 20	3 00	4 50
Weight,	12.49	14.56	18.77	23.41	28.35	34.01	40.64	54.65

This List takes the place of all previous Lists, and is subject to change without notice.

Average Weight of 10 Pieces of Malleable Pipe Fittings.

SIZE OF PIPE, inches,	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
ELBOWS, pounds,	1	$1\frac{1}{2}$	$2\frac{1}{4}$	4	6	9	13	21	45	63	76	132
TEES, "	1	$1\frac{3}{4}$	$2\frac{1}{2}$	5	$7\frac{3}{4}$	12	16	27	50	75	80	145
SOCKETS, "	$\frac{3}{4}$	$1\frac{1}{4}$	2	$2\frac{1}{2}$	$4\frac{1}{2}$	6	9	14				
CROSSES, "	$1\frac{1}{2}$	2	$3\frac{1}{2}$	$4\frac{1}{2}$	6	11	14	22	58	72	95	170
REDUCERS, "		1	$1\frac{1}{2}$	$2\frac{1}{4}$	$3\frac{1}{2}$	5	7	10	25	35	50	60
CAPS, "	$\frac{3}{4}$	1	$1\frac{1}{2}$	2	3	4	6	8	12	20	38	40
RETURN BENDS, "			4	$10\frac{1}{2}$	14	21	20	43				

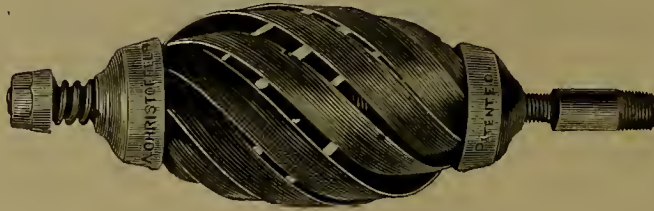
Nipples, Table of Sizes Known as Short and Long.

PIPE SIZES,	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
SHORT—measure as follows:	$\frac{3}{4}$ to $1\frac{1}{2}$	1 to $1\frac{1}{2}$	1 to $1\frac{1}{2}$	$1\frac{1}{4}$ to 2	$1\frac{1}{2}$ to 2	$1\frac{1}{2}$ to $2\frac{1}{2}$
PIPE SIZES,	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
SHORT—measure as follows:	$1\frac{1}{2}$ to $2\frac{1}{2}$	2 to $2\frac{1}{2}$	$2\frac{1}{2}$ to 3	$2\frac{1}{2}$ to 3	$2\frac{1}{2}$ to 4	3 to 4
PIPE SIZES,	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$
LONG—measure as follows:	2 to $3\frac{1}{2}$	2 to $3\frac{1}{2}$	2 to $3\frac{1}{2}$	$2\frac{1}{2}$ to 4	$2\frac{1}{2}$ to 4	3 to $4\frac{1}{2}$
PIPE SIZES,	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
LONG—measure as follows:	3 to $4\frac{1}{2}$	3 to $4\frac{1}{2}$	3 to 5	$3\frac{1}{2}$ to 5	$4\frac{1}{2}$ to 6	$4\frac{1}{2}$ to 6

Weight of Plain Pipe Flanges. Standard Sizes.

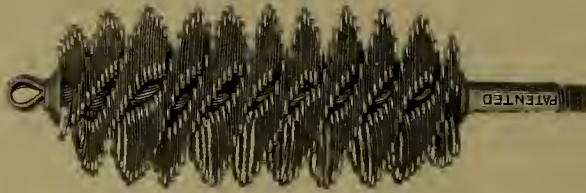
WEIGHT, each,	$1\frac{1}{2}$	$2\frac{1}{2}$	$3\frac{1}{2}$	4, 5, 7	5, 6 $\frac{1}{2}$	8 $\frac{1}{2}$, 11	8 to $10\frac{1}{2}$	$13\frac{1}{2}$	$12\frac{1}{2}$
SIZE OF PIPE,	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4
DIAMETER,	4	5	6	6, 7, 8	7, 8	8, 9	8, 9	10	10

Tube Scrapers.



ELLIPTIC SPRING TUBE SCRAPERS.

Inch,	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{4}$	3 $\frac{1}{2}$	4
Each,	\$ 2 00	2 00	2 00	2 00	2 25	2 50	2 75	3 00	3 25	3 50	4 00



STEEL COIL WIRE BRUSH TUBE SCRAPERS.

Inch,	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$	4
Each,	\$ 1 00	1 00	1 00	1 10	1 20	1 30	1 40	1 50	1 65	1 75	1 90	2 00

Whalebone Brushes.



Inch,	to 2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{4}$	3 $\frac{1}{2}$	4
Each,	\$ 1 00	1 15	1 25	1 40	1 50	1 60	1 75	2 00

J. M. KING & CO'S
Stocks and Dies and Taper Taps.

STOCKS AND DIES.



Style of Nos. 1 to 6½, 7, 9, 17, 10, 25, 27, 45, 47, 49, 51 and 60.



Style of Nos. 6, 11, 15, 21, 23, 32, 33, 34, 35, 37, 38, 41, 42 and 53.

Nos.	Price Each.	Size Right Hand.	Size Left Hand.	No. of Taps.	No. of Dies.	Nos.	Price Each.	Size Right Hand.	Size Left Hand.	No. of Taps.	No. of Dies.
1	\$60 00	2 to 1 in.	2 to 1 in.	8	4	6	\$20 00	1½ to 1 in.	1½ to 1 in.	4	2
2	60 00	2 " " "	2 " " "	8	4	11	10 00	1½ " " "	1½ " " "	4	3
3	45 00	1½ " " "	1½ " " "	8	4	15	10 00	1½ " " "	1½ " " "	5	3
4	45 00	1½ " " "	1½ " " "	8	4	21	6 00	1 " " "	1 " " "	4	3
5	35 00	1½ " " "	1½ " " "	8	4	23	5 00	1 " " "	1 " " "	3	3
5½	35 00	1½ " " "	1½ " " "	8	4	32	5 00	1 " " "	1 " " "	4	4
7	12 00	1½ " " "	1½ " " "	6	3	33	4 00	1 " " "	1 " " "	2	2
9	12 00	1½ " " "	1½ " " "	6	3	34	4 50	1 " " "	1 " " "	3	3
17	9 00	1 " " "	1 " " "	6	3	35	4 00	1 " " "	1 " " "	2	2
19	9 00	1 " " "	1 " " "	6	3	37	4 25	1 " " "	1 " " "	6	3
25	6 50	1 " " "	1 " " "	6	3	38	4 50	1 " " "	1 " " "	6	3
27	6 50	1 " " "	1 " " "	6	3	41	3 25	1 " " "	1 " " "	6	3
45	5 50	1 " " "	1 " " "	6	3	42	3 50	1 " " "	1 " " "	6	3
47	5 50	1 " " "	1 " " "	6	3	53	2 75	1 " " "	1 " " "	4	4
49	4 50	1 " " "	1 " " "	6	3						
51	4 50	1 " " "	1 " " "	6	3						
60	6 50	1 " " "	1 " " "	6	4						

TAPER TAPS.



Size.	Price Each Tap.	Hand.	Threads to the Inch.	Taps in Each Box.	Size.	Price Each Tap.	Hand.	Threads to the Inch.	Taps in Each Box.
1/8 inch.	\$0 30	R	30 32	6	1/8 inch.	\$0 50	L	10 12	4
3/16 "	30	R	24 26 28	6	" "	50	R	10 11 12 14	4
1/4 "	30	R	18 20 22 24 26	6	" "	65	L	10 12	4
5/16 "	30	R	16 18 20 22	6	" "	65	R	7 8 9 10 12	6
3/8 "	35	R	12 14 16 18	6	" "	90	L	9	4
7/16 "	40	L	14	6	" "	90	R	9 10	4
1/2 "	40	R	12 14 16 18	6	1 "	1 25	L	8 9	2
3/4 "	40	L	12 14	4	1 "	1 25	R	7 8 9	2
1 "	40	R	12 14 16	6	1 1/4 "	1 75	L	8 9	2
1 1/8 "	50	L	12	4	1 1/4 "	1 75	R	6 7 8 9	2
1 1/4 "	50	R	12 14	6	1 1/2 "	3 00	L	6 7 8	2
					1 1/2 "	3 00	R	6 7 8	2

Buffalo Portable Forges.

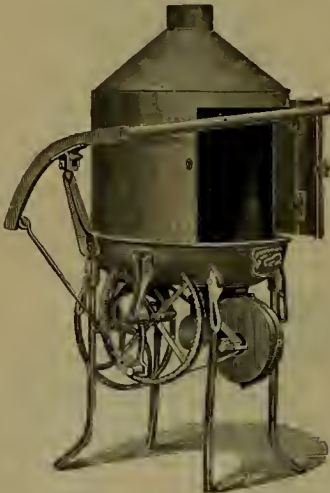


Forge No. 0. Price, \$50.00.

Height, 30 inches; size of hearth, 28 x 40 in.; fan, 12 in.; weight, 250 lbs.

Forge No. 0 is especially adapted for heavy blacksmith work, having a large fire-place, with sufficient blast to do heaviest kind of work; will heat $3\frac{1}{2}$ to 4 in. round iron in ten minutes.

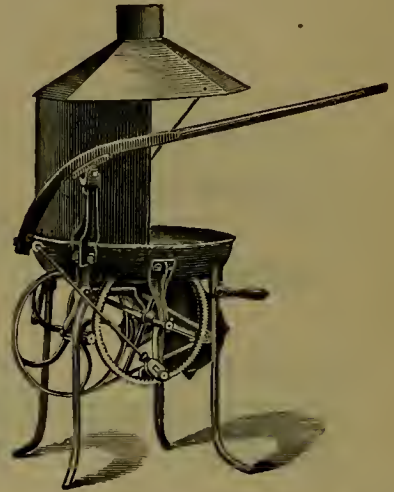
This forge is a general favorite with carriage and wagon blacksmiths. It economizes space and time, and is much more convenient and effective than a brick forge and bellows.



Forge No. 2. Price, \$42.00.

Forge No. 2, closed hood, same capacity as Blacksmiths Forge No. 1; weight, 155 lbs.

On Forge No. 2 we place a "closed hood," which is strongly made of sheet iron, completely inclosing the fire-place, and having in front a large double door for manipulating the fire, etc. The closed hood prevents the escape of sparks or fumes and smoke, and is especially adapted to the use of jewelers, dentists, locksmiths, tinsmiths, etc.; also for annealing or refining metals.

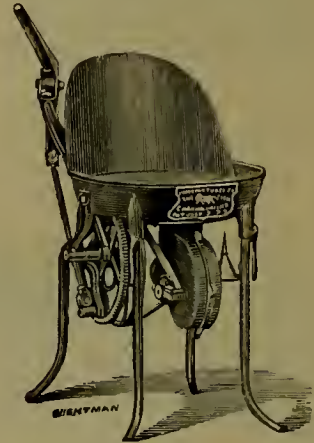


Forge No. 1, with Hood. Price, \$40.00.

Forge No. 1, height, 29 in.; fan, 8 in.; hearth, 21 x 27 in.; weight, 145 lbs.

Forge No. 1 will produce a welding heat on iron $2\frac{1}{2}$ inches in diameter in five minutes, and on heavier iron if required. It is especially adapted for the use of machinists, railroad shops, etc.

These are the only portable forges that have no dead center or back motion, and which have the easy motion of operating same by lever, which does not confine the operator close to the fire, as all others do.



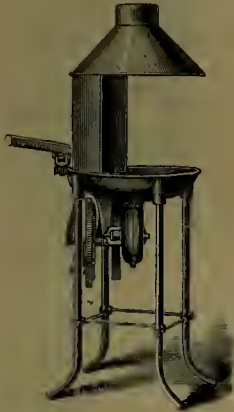
Forge No. 3. Price, \$36.00.

Forge No. 3, height, 29 in.; fan, 8 in.; hearth, 21 x 27 inches; weight, 140 lbs.

Forge No. 3 has four drop handles for convenience of moving from place to place, with deep fire-place. It is especially adapted for the use of boiler-makers, iron bridge and ship builders, and a great favorite for railroads, etc.

We guarantee all our Forges and Blowers to give perfect satisfaction in every respect. More durable and economical than any other made.

Buffalo Portable Forges.

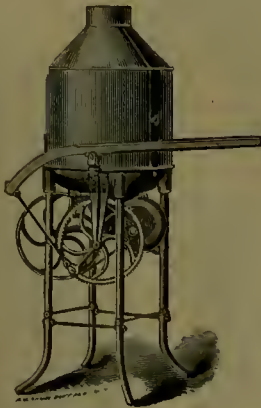


Forge No. 4, with Hood. Price, \$27.00.

Forge No. 4, half-open hood, height 33 inches; size of hearth, 18 inches diameter; weight, 75 lbs.

Forges Nos. 4 and 5 will produce a welding heat on iron one and a half inch in diameter in five minutes. Heavier work can be done on either of these Forges; but on account of their size of fire-place and general capacity, they are specially recommended for work specified.

This Forge is peculiarly adapted for use of machinists, model-makers, plumbers, tinsmiths, and manufacturers in general, for heating and tempering tools of all kinds.

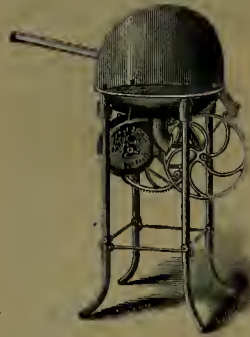


Forge No. 6. Price, \$30.00.

Forge No. 6, closed hood, same capacity as Blacksmiths' Forge No. 4; weight, 80 lbs.

This Forge has closed hood, with large double doors, and is especially adapted for the use of jewelers, dentists, locksmiths, planing-mills, etc.

The most durable, compact and effective Portable Forges in use, and needed by every farmer, boiler-maker, miner, dentist, jeweler, plumber, ship-builder, bridge-builder, steamboat and iron worker, etc., throughout the country.



Forge No. 5. Price, \$24.00.

Forge No. 5, height, 33 inches; size of hearth, 18 inches diameter; weight, 70 lbs.

Forge No. 5, same capacity as No. 4, and is especially adapted for the use of boiler-makers, repairers, tank-builders, miners and prospectors, being light, strong and compact. It is easily carried around the country.



Forge No. 7. Price, \$16.00.

Forge No. 7—Height, 15 in.; hearth, 15 in. diam.; fan, 6 in.; weight, 40 lbs.

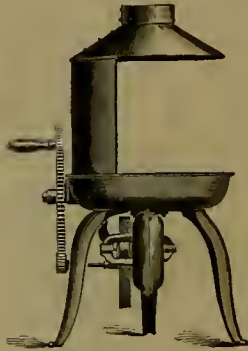
Case, 19 in. long, 19 in. wide, 19 in. deep; weight, 15 lbs.; price, 75 cents net.

This Forge is especially intended for light work. Being very compact and light, it can be easily moved about. It has short legs; so, when used, it is to be set on a box or bench, and will produce a welding heat on one-inch iron in five minutes. Heavier work can be done, if desired.

Forge No. 7 is especially adapted for miners and prospectors. Our case for same has ample room for carrying the necessary blacksmith's tools, and the whole outfit can be easily packed on a mule's back for transportation.

We guarantee all our Forges and Blowers to give perfect satisfaction in every respect. More durable and economical than any other made.

Buffalo Portable Forges.

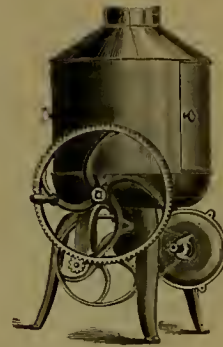


Forge No. 8. Price, \$18.00.

Forge No. 8—Height, 15 in.; hearth, 15 in. diam.; fan, 6 in.; weight, 50 lbs.

Forge No. 8 has half-open hood, same capacity as No. 7, and is especially adapted for tinsmiths, jewelers, locksmiths, farmers, etc.

Farmers will find this a very valuable tool, enabling them to make their own small repairs, saving much time and money.



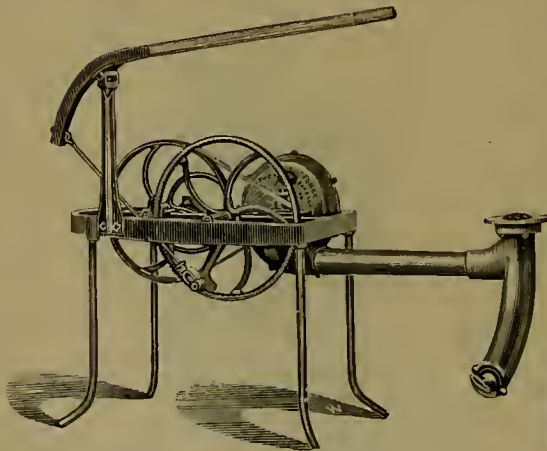
Forge No. 9. Price, \$20.00

Forge No. 9—Size of hearth, 15 in. diam.; fan, 6 in.; weight, 55 lbs.

Forge No. 9 has entirely closed hood, with large double door in front and single door in rear, so that it can be opened at front and rear.

It is especially intended for charcoal fires, the closed hood preventing the escape of sparks, smoke or gas, when starting the fire. Same capacity as No. 7.

Blacksmiths' Hand Blowers.



(Tuyere same as shown in cut of No. 3 Blower.)

Blower No. 2. Price, \$32.00, with Tuyere complete.

Blower No. 2. Price, \$30.00, without Tuyere.

Blower No. 4. Price, \$36.00, with Tuyere complete.

Blower No. 2—Size of fan, 14 in.; height, 35 in.; length, 32 in.; weight, 150 lbs.

Blower No. 4—Size of fan, 17 in.; height, 35 in.; length, 35 in.; weight, 200 lbs.

Blower No. 2 is especially designed for all ordinary blacksmith purposes. If used with our improved Tuyere, is guaranteed to produce a welding heat on 3-inch iron in five minutes, and on 4-inch iron in ten minutes; heavier work can be done, if desired.

Blower No. 4 is especially designed for extra heavy blacksmith purposes, and flange fires in boiler shops.

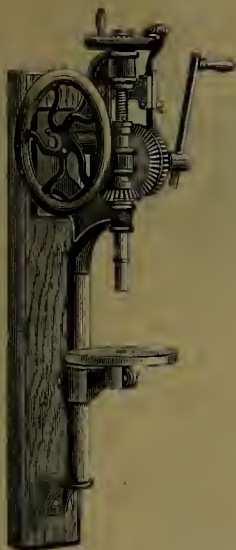


Upright Blower No. 3. Price, \$25, with Tuyere complete.

Upright Blower No. 3. Price, \$23, without Tuyere.

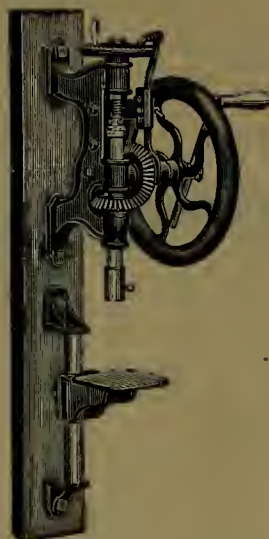
This Blower is of an entirely new design. The construction is so simple, the operation so easy, and the speed and efficacy so great, as to be truly marvelous. It gives a strong, steady blast, with but little labor, and will heat quicker than any bellows or blowers made. It is operated by means of a lever which has the swivel motion, most natural to the blacksmith, and which does not tire him. It takes less room and has all the advantages of the old-fashioned bellows, in that the blast continues for some moments after the lever is at rest. In short, it is the best, cheapest, most effective, durable and positive Blower made, and is guaranteed to give perfect satisfaction in every respect, if used with our Tuyere.

The Worcester Self-feeding Drills.



No. 0. Drills from $\frac{1}{16}$ to $\frac{3}{8}$ inch hole.
Length, 26 inches. Weight, 30 lbs.

The above is fitted for a No. 2 Beach Chuck, or can be used without.
Price, \$20.00. The Chuck would be extra.



No. 1. Drills from $\frac{1}{8}$ to $\frac{7}{8}$ inch hole.
Length, 42 inches. Weight, 98 lbs.
Price, \$28.00.

Price with Pulleys for power, \$31.00.



No. 13. Length, 44 inches. Weight, 120 lbs.
Price, \$34.00. Price arranged for power with Pulleys, \$37.00.

This machine has nearly a continuous feed which may be quickly adjusted by a thumb-screw to three rates of speed. A fast or slow motion may be given the drill by changing the handle from shaft (A) to shaft (B), as desired by the operator. By this arrangement the capacity of the drill has been increased nearly one-third. Will drill to the center of a 10-inch circle.

No. 13. Drills from $\frac{1}{4}$ to 1 inch hole.



No. 2. Length, 54 in. Weight, 160 lbs. Price, \$48.00.

No. 2 is similar to No. 13, and has all the late improvements. The Swing Table, as applied to these machines, will be found useful in many ways, and much more convenient than the old method of driving them in and out with a hammer, thereby running the risk of breaking the foot-piece. It is out of the way when not in use, and may be quickly swung into position when wanted. Will drill to the center of a 15-inch circle.

No. 2.

Blacksmiths' Drills.

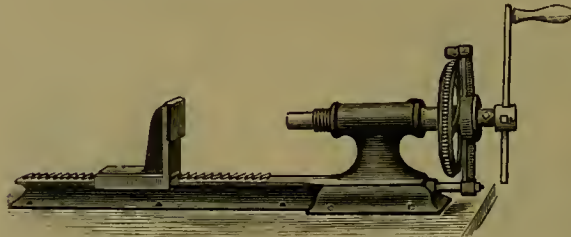


Japanned.

No. 5, each,

\$ 5 00

Machinist-blacksmiths' Drills.

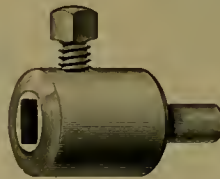


Japanned.

No. 2, Self-feeding; length, 33 inches; weight, 45 lbs.; each,

\$ 10 00

Sockets for Square Shank Drills.



Half size cut.

To fit both No. 5 and No. 2 Blacksmiths' Drills

Each,

\$ 1 00

Kinsley Tire Benders.

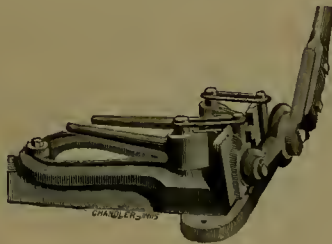
With Cranks Complete.



Style of Double Gear, Nos. 3 and 4.

No. 1, Single Gear, Bends Iron	$2 \times \frac{1}{2}$,	weight, 102 lbs, price,			\$ 12 00
No. 2, " " "	$3 \times \frac{5}{8}$,	" 125 "			16 50
No. 3, Double Gear, " "	$3\frac{1}{2} \times \frac{3}{4}$,	" 163 "			20 00
No. 4, " " "	6×1 ,	" 322 "			32 50

Yount's Improved Blacksmiths' Tire Upsetter.



Cheap, durable, strong.

Price, each, \$ 25 00

This excellent machine meets with universal favor, pleases everybody, and is the most powerful, most durable, and most useful Upsetter for all kinds of Tire, in use.

It will upset Tire from one-quarter inch wide to a heavy log wagon Tire four inches wide and three-quarter inch thick, at one heat.

It operates upon the tire when lying horizontally, which is vastly easier and more convenient for the smith, and better on the tire, than the vertical machines. It can be fastened down firmly by two bolts to an ordinary bench, which may be moved to any place, to suit the workman. It is operated with rapidity and ease, does not mar the edge of the tire, but grasps it on the inside, and which, when shrunk, can be instantly released. By its peculiar construction it is less liable to kink the tire than any other machine ever introduced. When preferred, it can be bolted to a post and used vertically. *It will upset Bar-iron or Iron Buggy Axles from one and a half inch down.*

INSTRUCTIONS: In using the Tire Shrinker it is necessary to bring the iron to a white heat. Heat as little of the tire (lengthwise) as possible. After placing the iron in the Shrinker, press the clamps against the tire, and bear down on the lever enough to bring the tire to the circle in the Shrinker. After getting the tire set to the Shrinker, open one clamp, throw up the lever, then close the clamp against the tire, bearing down on the lever; and in case the tire is not shrunk as much as desired, raise the lever and try again. *One heat* is all that is required to shrink the iron an inch or more. In case the iron crimps in shrinking, tap it a few times with a hammer, till it is driven against the curved sides of the Shrinker. Bolt the Shrinker securely to a bench before trying to use it.

Toe Calks.

EVERY CALK WARRANTED TO HARDEN.



Cuts full size.

Average Number of Calks to a Pound.

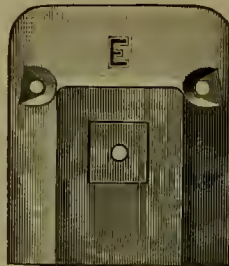
No. 1.	No. 2.	No. 3.	No. 4.	No. 5.	
20	10	7	5	3	
Price, per pound,					15 cts
Twenty-five pounds in a box.					

Tuyere Irons—California Water.



No. 1, Length, 12 inches, Weight 40 lbs.,	\$ 4 50
No. 2, " 16 " " 65 "	7 00

Light Forge Backs and Tubes.



Weight, 22 lbs., each,	\$ 3 00
Tube only,	1 00

Tuyere Irons—*Continued.*

“PERFECTION.”

Patent Improved Self-cleaning Bottom Tuyere.

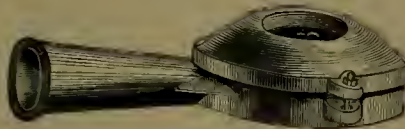
It is easily connected, by merely putting it over the nozzle of your Bellows or Blast Pipe. It is ready for use. No water; no slide; no bolts; no crank; no rod. It will never burn out or choke up, and is the only Tuyere suitable for general Blacksmithing for Bellows or Blower.

There are four sizes, and two grates to each, for large and small fires.



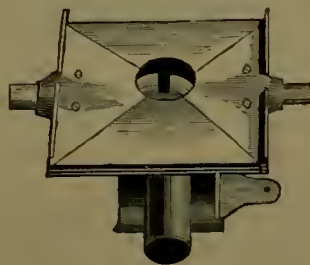
- | | |
|---|---------|
| No. 1, for Rivet Forges and Small Work in general, complete with pipe, | \$ 3 00 |
| No. 2, for Carriage Work and Horseshoeing, complete with pipe, | 4 50 |
| No. 3, for Heavy Work and General Jobbing, complete with pipe, | 6 00 |
| No. 4, for Very Heavy Work and can be used for Light Work also, complete with pipe, | 7 50 |

DUCK-NEST TUYERE.



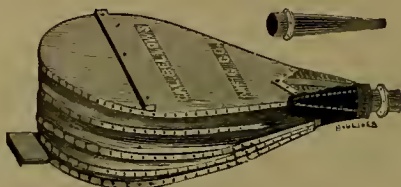
- | | |
|-------------------------|---------|
| Duck-nest Tuyere, each, | \$ 2 00 |
|-------------------------|---------|

SQUARE TUYERE.



- | | |
|----------------------|---------|
| Square Tuyere, each, | \$ 6 00 |
|----------------------|---------|

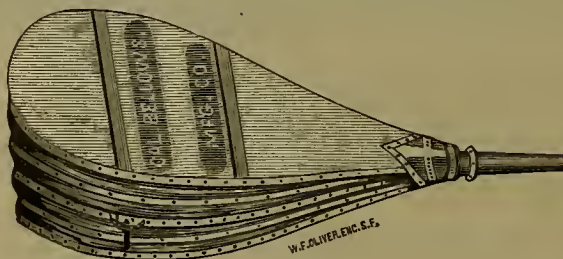
Bellows.



CALIFORNIA STANDARD BELLOWS WITH PATENT NOZZLES.

Size—inch,	24	26	28	30	32	34	36	38	40
Each,	\$ 12 00	13 00	14 00	15 00	16 00	17 00	19 00	21 00	22 50

CALIFORNIA EXTRA BELLOWS.



Size—inch,	36	38	40	42	44	46	48	50
Each,	\$ 27 00	28 50	30 00	31 50	44 00	57 50	72 00	87 50

HAND BELLOWS.



Inch,	5	6	7	8	9	10	12
Per dozen,	\$ 5 00	6 00	7 00	8 00	9 00	10 00	12 00

MOLDER'S BELLOWS.

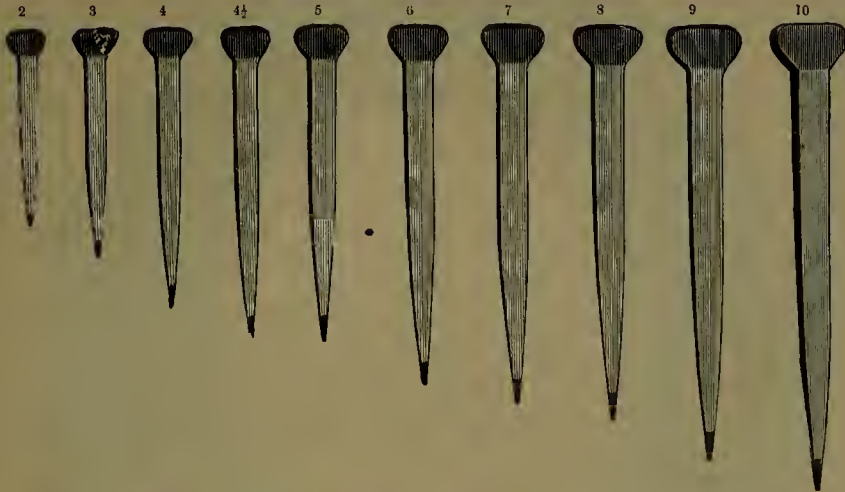
Inch,	8	10	12	14	16
Per dozen.	\$ 18 00	24 00	30 00	33 00	36 00

PACIFIC COAST AGENTS FOR

Northwestern Horse Nail Company.

The Best Horse Nails Made.

Heads for City Use.



Heads for Country Use.



Cuts full size.

Our nails are forged from a rod on the same principle that a nail is made by hand. They are pointed and polished, ready for driving, and are admitted to be the most uniform and best horse-nail in the market.

Hammered and finished plate nails for trotting and race horses. Drawn hot, perfect in shape and finish. The best shoers of racing-horses in Kentucky pronounce them the finest and best Plate Nails ever produced.

We offer our finished Nail to the Trade with confidence that it has no equal in any market. It is the genuine "Northwestern" Nail, finished, and we give it our unqualified guaranty. Beware of imitations, and use only the genuine "Northwestern." Samples sent on application.

Prices of Northwestern Finished Horse Nails.

Nos.	4	5	6	7	8	9	10
Per pound,	53	33	30	28	27	26	25 cts.

We also have a stock of Globe and Putnam Nails constantly on hand.

Burdens and Perkins' Horse Shoes.



WEIGHTS OF SHOES.

Horse Shoes.	Light Pattern.	Medium Pattern.	Heavy Pattern.
No. 0, Fore,	12 oz.	..	..
" 1, "	14 "	15 oz.	16 oz.
" 2, "	17 "	19 "	21 "
" 3, "	20 "	23 "	26 "
" 4, "	24 "	28 "	32 "
" 5, "	29 "	34 "	39 "
" 6, "	36 "	41 "	46 "
" 7, "	..	48 "	..
No. 0, Hind,	10 oz.	..	..
" 1, "	11 "	13 oz.	13 oz.
" 2, "	14 "	16 "	16 "
" 3, "	18 "	20 "	23 "
" 4, "	22 "	24 "	27 "
" 5, "	27 "	29 "	32 "
" 6, "	32 "	35 "	38 "
" 7, "	..	38 "	..

AVERAGE NUMBER OF SHOES IN A KEG.

Horse Shoes.	Light Pattern.	Medium Pattern.	Heavy Pattern.
No. 0, Fore,	133	..	..
" 1, "	114	107	100
" 2, "	94	84	76
" 3, "	80	70	62
" 4, "	67	57	50
" 5, "	55	47	41
" 6, "	44	39	35
" 7, "	..	33	..
No. 0, Hind,	160	..	..
" 1, "	145	123	123
" 2, "	114	100	100
" 3, "	89	80	70
" 4, "	73	67	59
" 5, "	59	55	50
" 6, "	50	46	42
" 7, "	..	42	..

Price per Keg,

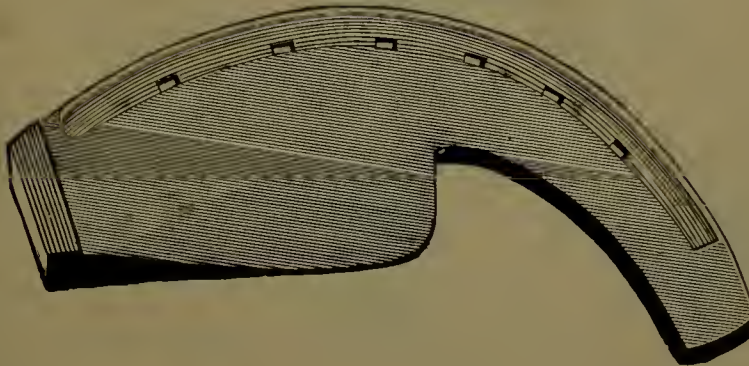
Burdens and Perkins' Mule Shoes.



Full size cut of No. 2.

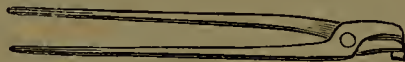
No.	7	29	40
Weight, ozs.,	6	25	50
No. in keg,	5	22	67
Price per keg,	4	18	84
	3	15	107
	2	12	133
	1	10	160

Ox Shoes.



No.	1	2	3	4
Full length, inches.	5 $\frac{1}{4}$	5 $\frac{1}{2}$	5 $\frac{3}{4}$	6 $\frac{1}{4}$
Weight per set of eight, lbs.,	3	3 $\frac{1}{2}$	4	5 $\frac{3}{4}$
In 50-pound boxes assorted or separate, per pound,				20 cts.

Blacksmiths' Tongs—*Continued.*



Norway Iron Pick Tongs.

Each, \$ 2 00



Norway Iron Gad Tongs.

Each, \$ 1 50



Bolt Tongs.

Each, \$ 1 50

Solid Cast Steel Punches, Chisels, Drills and Hammers.

Round and Square Eye Punches.

$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$
\$ 0 75	1 00	1 25	1 50	1 85

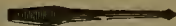
Hand Punches.

(ROUND AND SQUARE.)

$\frac{5}{8}$ inch and upwards, per pound, 38 cents
 $\frac{3}{4}$ and $\frac{1}{2}$ inch, less than 7 inches long, per pound, 50 "

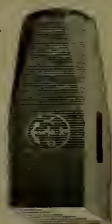
Hand Cold Chisels

Per pound, 40 cents.



Ratchet Drills.

From $\frac{1}{8}$ to 1 inch, per dozen, \$ 6 00



Set Hammers.

Size, inches,	1	$1\frac{1}{2}$	$1\frac{1}{4}$	$1\frac{3}{4}$	$1\frac{1}{2}$
Each,	\$ 1 00	1 12	1 25	1 37	1 50

Solid Cast Steel Flatters, Hardies, Fullers and Swedges.



Flatters.

Size, inches,	2	2½	3	3½	4
Each,	\$ 2 00	2 50	3 00	3 50	4 00



Hardies.

Size, inches,	⅝	¾	⅞	1	1¼	1½
Each,	\$ 0 75	.75	.90	1 00	1 25	1 50



Top Fullers.

Size, inches,	¼	⅓	½	1	1¼	1½	2
Each,	\$ 0 75	1 00	1 25	1 50	1 75	2 00	2 50



Bottom Fullers.

Size, inches,	¼	⅓	½	1	1¼	1½	2
Each,	\$ 0 75	.75	.75	1 00	1 25	1 50	1 75



Top Swedges.

Size, inches,	¼	⅓	½	⅝	¾	⅞	1	1¼	1½
Each,	\$ 1 25	1 50	1 50	1 50	1 75	1 75	2 00	2 25	2 50
Size, inches,	1¼	2	2½	2½	2½	3	3½	4	
Each,	\$ 2 75	3 00	3 50	4 00	4 50	5 00	6 00	7 00	



Bottom Swedges.

Size, inches,	¼ and ⅓	½ and ⅝	¾	⅞	1	1¼	1½	1¾	2	2¼	2½	2¾	3	3½	4
Each,	\$ 2 00	2 25	1 25	1 25	1 50	1 75	2 00	2 25	2 50	2 75	3 00	3 25	3 50	3 75	4 00

Solid Cast Steel Chisels and Hammers.



Hot Eye Chisel.

Size, inches,	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$
Each,	\$ 0 75	.75	1 00	1 15	1 25



Railroad Cold Eye Chisel.

Size, inches,	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$
Each,	\$ 0 75	.75	1 00	1 15	1 25

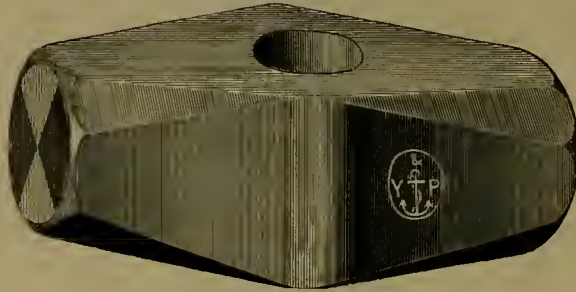


Hand Drilling Hammer

From 3 to 5 pounds.

Weight, pounds,	3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$
Per dozen, handled,	\$ 18 00	18 00	21 00	24 00

Solid Cast Steel Sledges.



Sledges, California Pattern

Of any Desired Weight.

Solid Cast Steel, 6 to 30 lbs., black, unhandled, per lb.,	30 cents.
“ “ “ 6 “ 16 “ polished and handled, per lb.,	35 “



Blacksmith Sledges.

(CROSS PIEN.)

Of any Desired Weight.

Black, unhandled, per pound,	35 cents.
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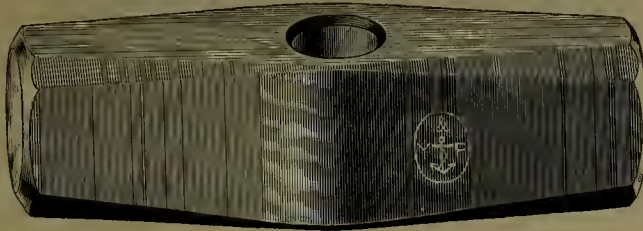
Blacksmith Sledges.

(STRAIGHT PIEN.)

Of any Desired Weight.

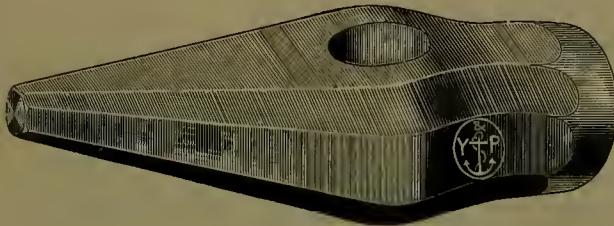
Black, unhandled, per pound,	35 cents.
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Coal Sledge.



Solid Cast Steel, 8 pounds, 11½ inches long, each, \$ 2 75

Ship or Top Maul.



Watt's	4 to 5 pounds, each,	\$ 2 50
Horton's	4 " 5 " "	2 50
Yerkes & Plumb,	8 pounds, handled,	3 50

Wood Choppers' Wedge.



TRUCKEE PATTERN.

"Vulcan,"	Solid Cast Steel,	4 to 10 pounds, per pound,	20 cents.
"California,"	"	4 " 10 " "	30 "

Crow-bars.



Pinch or Wedge Point, with Steel Point,	10 to 25 pounds, per pound,	12½ cents.
" " "	Solid Steel, 10 to 25 pounds, per pound,	15 "

Lag Screws.



Price per Hundred.

Diameter, Length, 1 1/2 in.	5/16	3/8	7/16	1/2	5/8	3/4
2 1/4	\$ 2 80	\$ 3 20	\$ 4 15	\$ 4 45	\$.....	\$.....
2 1/2	2 90	3 30	4 25	4 90	.....	.....
2 3/4	3 10	3 50	4 50	5 00	7 90	.....
3	3 30	3 70	4 75	5 30	8 30	12 00
3 1/4	3 50	3 90	5 00	5 70	8 70	12 47
3 1/2	3 70	4 10	5 25	6 10	9 10	13 10
3 3/4	3 90	4 30	5 50	6 60	9 60	13 60
4	4 10	4 50	5 75	7 10	10 10	14 10
4 1/4	4 30	4 70	6 00	7 60	10 60	14 60
4 1/2	4 50	4 90	6 25	8 10	11 10	15 10
4 3/4	.....	.....	6 75	9 20	12 20	16 40
5	.....	.....	7 25	10 60	13 55	18 00
5 1/4	.....	.....	7 75	12 00	14 90	19 60
5 1/2	.....	.....	.....	13 20	16 30	21 20
5 3/4	.....	.....	.....	14 40	17 70	22 80
6	.....	.....	.....	15 75	19 10	24 40

Machine Bolts.



Price per Hundred.

Diameter, Length, 1 in.	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1
1 1/4	\$ 3 80	\$ 4 00	\$ 4 75	\$ 5 50	\$ 6 00	\$ 9 50	\$.....	\$.....	\$.....
1 1/2	3 90	4 10	4 87	5 55	6 50	9 75	.....	.....	.....
1 3/4	3 90	4 10	4 87	5 55	6 50	9 75	15 10	.....	.....
2	4 00	4 25	5 02	5 70	6 75	10 00	15 50	.....	.....
2 1/4	4 00	4 25	5 02	5 70	6 75	10 00	15 50	20 87	30 75
2 1/2	4 10	4 40	5 17	5 85	6 87	10 25	15 90	21 50	31 62
2 3/4	4 10	4 40	5 17	5 85	6 87	10 25	15 90	21 50	31 62
3	4 20	4 55	5 32	6 00	7 00	10 50	16 20	22 12	32 50
3 1/4	4 20	4 55	5 32	6 00	7 00	10 50	16 20	22 12	32 50
3 1/2	4 35	4 70	5 47	6 15	7 25	10 75	16 50	22 75	33 37
3 3/4	4 35	4 70	5 47	6 15	7 25	10 75	16 50	22 75	33 37
3 1/2	4 50	4 85	5 62	6 30	7 50	11 25	16 80	24 62	36 00
4	4 50	4 85	5 62	6 30	7 50	11 25	16 80	24 62	36 00
4 1/4	4 65	5 00	5 74	6 45	7 75	11 50	17 15	25 25	36 87
4 1/2	4 80	5 15	5 86	6 60	8 00	11 75	17 50	25 75	37 75
4 3/4	4 95	5 30	5 98	6 75	8 25	12 00	17 85	26 37	38 62
5	5 10	5 45	6 10	6 90	8 50	12 50	18 25	27 12	39 50
5 1/4	5 25	5 60	6 22	7 10	9 00	13 00	18 70	27 75	40 37
5 1/2	5 40	5 75	6 34	7 30	9 25	13 25	19 20	28 37	41 25
5 3/4	5 55	5 90	6 46	7 50	9 50	13 75	19 70	29 00	42 12
6	5 70	6 05	6 58	7 75	10 00	14 00	20 25	29 62	43 00
6 1/4	5 85	6 20	6 66	8 00	10 25	14 75	20 60	30 25	43 87
6 1/2	6 00	6 35	6 75	8 25	10 50	15 50	21 00	30 87	44 75
6 3/4	6 15	6 50	7 00	8 50	11 25	16 25	21 50	31 50	45 62
7	6 30	6 65	7 25	8 75	12 00	17 00	22 00	32 25	46 50
7 1/4	.....	.....	7 75	9 25	12 50	17 65	22 50	32 87	47 37
7 1/2	.....	.....	8 00	10 25	13 00	18 25	23 00	33 50	48 25
7 3/4	.....	.....	8 50	10 50	13 50	19 50	23 50	34 12	49 12
8	.....	.....	9 00	10 75	14 00	20 00	24 00	35 12	50 00

The Average Weight in Pounds of 100 Square Head Wood or Lag Screws.

OF VARIOUS SIZES AND LENGTHS.

Diameter,	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Length $1\frac{1}{2}$ in.	2 $\frac{3}{4}$	4 $\frac{1}{2}$	7	10	..	..	..	..	..	..
" 2 "	3 $\frac{1}{2}$	5 $\frac{1}{2}$	8 $\frac{1}{2}$	12	17	24	27 $\frac{1}{2}$	..	..	..
" 2 $\frac{1}{2}$ "	4 $\frac{1}{4}$	6 $\frac{1}{4}$	9 $\frac{3}{4}$	14	19	26	31	..	..	..
" 3 "	4 $\frac{3}{4}$	7 $\frac{1}{2}$	11	16	21	28	34	51	..	..
" 3 $\frac{1}{2}$ "	5 $\frac{1}{4}$	8 $\frac{1}{2}$	12 $\frac{1}{2}$	18	24	31	38	55	..	..
" 4 "	5 $\frac{3}{4}$	9 $\frac{1}{4}$	14	20	26	34	42	60	85	112
" 4 $\frac{1}{2}$ "	6 $\frac{1}{2}$	10 $\frac{1}{2}$	15 $\frac{1}{2}$	22	28	37	46	65	91	121
" 5 "	7	11 $\frac{1}{2}$	17	24	32	40	50	70	97	130
" 5 $\frac{1}{2}$ "	7 $\frac{1}{2}$	12 $\frac{1}{2}$	18 $\frac{1}{2}$	26	34	43	54	76	103	140
" 6 "	8	13 $\frac{1}{2}$	20	28	36	46	58	81	110	150
" 6 $\frac{1}{2}$ "	..	..	21 $\frac{1}{2}$	30	38	49	62	86	117	160
" 7 "	..	..	23	32	41	52	65	92	125	170
" 7 $\frac{1}{2}$ "	..	..	24	34	44	55	69	97	132	180
" 8 "	..	..	26	36	47	58	73	103	140	190
" 8 $\frac{1}{2}$ "	..	..	..	..	..	..	77	108	148	200
" 9 "	..	..	..	..	..	..	81	113	156	210
" 9 $\frac{1}{2}$ "	..	..	..	..	..	..	85	118	164	220
" 10 "	..	..	..	..	..	..	89	123	172	230

No. of Threads to an Inch in V Thread Screws.

Diameter, Inches.	Threads, No.	Diameter, Inches.	Threads, No.	Diameter, Inches.	Threads, No.	Diameter, Inches.	Threads, No.	Diameter, Inches.	Threads, No.	Diameter, Inches.	Threads, No.
$\frac{1}{4}$	20	$\frac{3}{8}$	10	$1\frac{1}{2}$	6	$2\frac{1}{2}$	4	$3\frac{3}{4}$	3	5	2 $\frac{3}{4}$
$\frac{1}{8}$	18	$\frac{7}{16}$	9	$1\frac{5}{8}$	5	$2\frac{3}{4}$	3 $\frac{1}{2}$	4	3	5 $\frac{1}{4}$	2 $\frac{5}{8}$
$\frac{3}{16}$	16	1	8	$1\frac{7}{8}$	5	3	3 $\frac{3}{4}$	4 $\frac{1}{4}$	2 $\frac{3}{4}$	5 $\frac{1}{2}$	2 $\frac{3}{4}$
$\frac{1}{2}$	14	$1\frac{1}{8}$	7	$1\frac{9}{8}$	4 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	4 $\frac{1}{2}$	2 $\frac{3}{4}$	5 $\frac{3}{4}$	2 $\frac{1}{2}$
$\frac{5}{8}$	12	$1\frac{1}{4}$	7	2	4	3 $\frac{1}{2}$	3 $\frac{1}{4}$	4 $\frac{3}{4}$	2 $\frac{3}{4}$	6	2 $\frac{1}{2}$
$\frac{3}{4}$	11	$1\frac{3}{8}$	6	2 $\frac{1}{4}$	4	..	..	..	..	..	..

The depth of the Threads should be half their pitch.

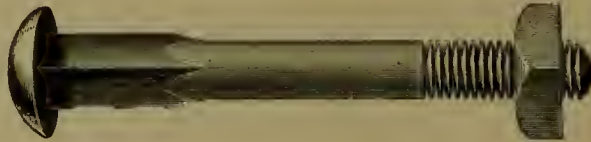
Weight of Machine Bolts

Having Square Heads and Square Nuts.

IN POUNDS, PER 100.

Diameter,	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Length $1\frac{1}{2}$ in.	3.85	6.85	10.36	15.15	22.40	39.40	..	..	..
" 1 $\frac{3}{4}$ "	4.25	7.35	11.00	16.15	23.70	41.51	..	..	..
" 2 "	4.65	7.85	11.75	17.30	25.00	43.65	68.95	..	..
" 2 $\frac{1}{4}$ "	5.00	8.35	12.65	18.35	26.41	45.80	71.50	..	..
" 2 $\frac{1}{2}$ "	5.40	8.90	13.35	19.45	27.70	47.90	74.60	116.00	..
" 2 $\frac{3}{4}$ "	5.60	9.35	14.15	20.55	29.00	50.10	75.50	121.25	..
" 3 "	6.15	9.85	14.85	21.65	30.40	52.15	80.50	125.50	..
" 3 $\frac{1}{4}$ "	6.90	10.85	16.35	23.80	33.00	56.35	86.50	133.75	..
" 4 "	7.65	11.90	17.85	26.00	35.60	60.65	92.60	142.00	206.50
" 4 $\frac{1}{4}$ "	8.42	12.85	19.35	28.20	38.30	64.90	98.50	150.50	217.00
" 5 "	9.20	13.75	20.85	30.40	40.95	69.15	104.70	159.05	228.00
" 5 $\frac{1}{4}$ "	9.85	14.75	21.35	32.70	43.60	73.35	110.70	167.50	239.00
" 6 "	10.65	15.75	23.85	34.90	46.25	77.65	116.80	176.10	250.00
" 6 $\frac{1}{4}$ "	..	..	25.35	37.10	48.90	81.90	122.85	184.50	261.00
" 7 "	..	..	26.85	39.30	51.55	86.15	128.90	193.15	272.00
" 7 $\frac{1}{4}$ "	..	..	28.35	41.50	54.15	90.45	134.50	201.50	283.00
" 8 "	..	..	29.85	43.70	56.80	94.62	141.00	210.20	294.00
" 9 "	..	..	..	45.85	64.80	103.14	153.10	227.25	316.00
" 10 "	..	..	..	48.10	70.10	111.64	165.20	224.30	338.00
" 11 "	..	..	..	50.30	75.40	120.16	177.30	261.35	359.00
" 12 "	..	..	..	51.45	80.70	128.62	189.40	278.40	387.00
" 13 "	..	..	..	..	86.00	137.21	201.50	295.45	403.00
" 14 "	..	..	..	..	91.30	145.62	213.60	312.50	425.00
" 15 "	..	..	..	..	96.60	154.18	225.70	329.55	447.00
" 16 "	..	..	..	..	101.00	162.64	237.80	346.60	469.00
" 17 "	..	..	..	..	106.25	170.90	249.90	363.65	491.00
" 18 "	..	..	..	..	112.50	179.40	262.10	380.70	513.00
" 19 "	..	..	..	..	117.60	187.80	274.20	397.75	535.00
" 20 "	..	..	..	..	123.10	206.40	286.30	414.80	557.00

Improved Refined Square Iron Carriage Bolts.



Diameter, Length, 1 in.,	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
\$ 2 40	\$	\$	\$	\$	\$	\$	\$
" 1 $\frac{1}{4}$ "	2 40	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
" 1 $\frac{1}{2}$ "	2 40	3 00	. . . .	. . . .	. . . .	. . . .	. . . .
" 1 $\frac{3}{4}$ "	2 45	3 10	. . . .	. . . .	. . . .	. . . .	. . . .
" 2 "	2 50	3 20	4 00	6 00	7 25	. . . .	. . . .
" 2 $\frac{1}{4}$ "	2 55	3 30	4 15	6 20	7 50	. . . .	. . . .
" 2 $\frac{1}{2}$ "	2 60	3 40	4 30	6 40	7 75	. . . .	. . . .
" 2 $\frac{3}{4}$ "	2 65	3 50	4 45	6 60	8 00	. . . .	. . . .
" 3 "	2 70	3 60	4 60	6 80	8 25	15 00	17 20
" 3 $\frac{1}{4}$ "	2 75	3 70	4 75	7 00	8 50	15 40	17 90
" 3 $\frac{1}{2}$ "	2 80	3 80	4 90	7 20	8 75	15 80	18 60
" 3 $\frac{3}{4}$ "	2 85	3 90	5 05	7 40	9 00	16 20	19 60
" 4 "	2 90	4 00	5 20	7 60	9 25	16 60	20 00
" 4 $\frac{1}{4}$ "	2 95	4 10	5 35	7 80	9 50	17 00	21 50
" 4 $\frac{1}{2}$ "	3 00	4 20	5 50	8 00	9 75	17 40	22 25
" 4 $\frac{3}{4}$ "	3 05	4 30	5 65	8 20	10 00	17 80	22 75
" 5 "	3 10	4 40	5 80	8 40	10 25	18 20	23 00
" 5 $\frac{1}{2}$ "	3 20	4 60	6 10	8 80	10 75	19 00	24 50
" 6 "	3 30	4 80	6 40	9 20	11 25	19 80	26 00
" 6 $\frac{1}{2}$ "	3 40	5 00	6 70	9 60	11 75	20 60	27 50
" 7 "	3 50	5 20	7 00	10 00	12 25	21 40	29 00
" 7 $\frac{1}{2}$ "	. . . .	5 40	7 30	10 40	12 75	22 20	30 50
" 8 "	. . . .	5 60	7 60	10 80	13 25	23 00	32 00
" 8 $\frac{1}{2}$ "	. . . .	5 80	7 90	11 20	13 75	23 80	33 50
" 9 "	. . . .	6 00	8 20	11 60	14 25	24 60	35 00
" 9 $\frac{1}{2}$ "	. . . .	6 20	8 50	12 00	14 75	25 40	36 50
" 10 "	. . . .	6 40	8 80	12 40	15 25	26 20	38 00
" 11 "	. . . .	. . . .	9 40	13 20	16 25	27 80	41 00
" 12 "	. . . .	. . . .	10 00	14 00	17 25	29 40	44 00
" 13 "	. . . .	. . . .	. . . .	14 80	18 25	31 00	47 00
" 14 "	. . . .	. . . .	. . . .	15 60	19 25	32 60	50 00
" 15 "	. . . .	. . . .	. . . .	. . . .	20 25	34 20	. . . .
" 16 "	. . . .	. . . .	. . . .	. . . .	21 25	35 80	. . . .

COLEMAN'S
Eagle Norway Carriage Bolts.

Price per Hundred.

$\frac{1}{8}$, $\frac{3}{16}$ and $\frac{1}{4}$ Diameter.	$\frac{5}{16}$ Diameter.	$\frac{3}{8}$ Diameter.	$\frac{7}{16}$ Diameter.	$\frac{1}{2}$ Diameter.
1 inch, \$ 2.50	1 $\frac{1}{8}$ inch, \$ 3.68	2 inch, \$ 5.00	2 inch, \$ 6.16	2 inch, \$ 7.64
1 $\frac{1}{4}$ " 2.65	1 $\frac{3}{8}$ " 3.85	2 $\frac{1}{4}$ " 5.20	2 $\frac{1}{4}$ " 6.35	2 $\frac{1}{2}$ " 8.06
1 $\frac{1}{2}$ " 2.80	2 " 4.03	2 $\frac{1}{2}$ " 5.40	2 $\frac{1}{2}$ " 6.54	3 " 8.48
1 $\frac{3}{4}$ " 2.95	2 $\frac{1}{4}$ " 4.20	2 $\frac{3}{4}$ " 5.58	2 $\frac{3}{4}$ " 6.74	3 $\frac{1}{2}$ " 8.90
2 " 3.10	2 $\frac{1}{2}$ " 4.35	3 " 5.78	3 " 6.94	4 " 9.34
2 $\frac{1}{4}$ " 3.24	2 $\frac{3}{4}$ " 4.50	3 $\frac{1}{4}$ " 5.96	3 $\frac{1}{4}$ " 7.30	4 $\frac{1}{2}$ " 9.76
2 $\frac{1}{2}$ " 3.36	3 " 4.68	3 $\frac{1}{2}$ " 6.16	4 " 7.70	5 " 10.18
2 $\frac{3}{4}$ " 3.50	3 $\frac{1}{4}$ " 4.84	3 $\frac{3}{4}$ " 6.36	4 $\frac{1}{2}$ " 8.08	5 $\frac{1}{2}$ " 10.60
3 " 3.65	3 $\frac{1}{2}$ " 5.00	4 " 6.56	5 " 8.46	6 " 11.02
3 $\frac{1}{4}$ " 3.78	3 $\frac{3}{4}$ " 5.16	4 $\frac{1}{2}$ " 6.92	5 $\frac{1}{2}$ " 8.86	6 $\frac{1}{2}$ " 11.44
3 $\frac{1}{2}$ " 3.92	4 " 5.30	5 " 7.34	6 " 9.24	7 " 11.88
3 $\frac{3}{4}$ " 4.06	4 $\frac{1}{2}$ " 5.65	5 $\frac{1}{2}$ " 7.70	6 $\frac{1}{2}$ " 9.62	7 $\frac{1}{2}$ " 12.30
4 " 4.20	5 " 5.98	6 " 8.08	7 " 10.10	8 " 12.72
4 $\frac{1}{4}$ " 4.34	5 $\frac{1}{2}$ " 6.30	6 $\frac{1}{2}$ " 8.44	7 $\frac{1}{2}$ " 10.48	8 $\frac{1}{2}$ " 13.14
4 $\frac{1}{2}$ " 4.48	6 " 6.62	7 " 8.80	8 " 10.86	9 " 13.56
5 " 4.75	6 $\frac{1}{2}$ " 6.92	7 $\frac{1}{2}$ " 9.16	8 $\frac{1}{2}$ " 11.24	9 $\frac{1}{2}$ " 14.00
5 $\frac{1}{2}$ " 5.02	7 " 7.24	8 " 9.52	9 " 11.62	10 " 14.42
6 " 5.30	7 $\frac{1}{2}$ " 7.55	8 $\frac{1}{2}$ " 9.88	9 $\frac{1}{2}$ " 12.10	10 $\frac{1}{2}$ " 14.84
6 $\frac{1}{2}$ " 5.58	8 " 7.88	9 " 10.24	10 " 12.48	11 " 15.26
7 " 5.85	8 $\frac{1}{2}$ " 8.00	9 $\frac{1}{2}$ " 10.60	11 " 12.86	12 " 16.12
7 $\frac{1}{2}$ " 6.12	9 " 8.35	10 " 10.96	12 " 13.24	14 " 17.80

Pointed Tire Bolts.



Price per Hundred.

$\frac{3}{16}$ Diameter.	$\frac{1}{4}$ Diameter.	$\frac{5}{16}$ Diameter.	$\frac{3}{8}$ Diameter.
1 inch, \$ 1.50	1 $\frac{1}{4}$ inch, \$ 1.85	1 $\frac{1}{2}$ inch, \$ 2.24	2 inch, \$ 3.20
1 $\frac{1}{4}$ " 1.50	1 $\frac{3}{8}$ " 1.85	1 $\frac{3}{4}$ " 2.32	2 $\frac{1}{4}$ " 3.30
1 $\frac{1}{2}$ " 1.50	2 " 1.85	2 " 2.41	2 $\frac{1}{2}$ " 3.40
1 $\frac{3}{4}$ " 1.50	2 $\frac{1}{4}$ " 1.85	2 $\frac{1}{2}$ " 2.50	2 $\frac{3}{4}$ " 3.50
2 " 1.55	2 $\frac{1}{2}$ " 1.85	2 $\frac{3}{4}$ " 2.58	3 " 3.60
2 $\frac{1}{4}$ " 1.60	2 $\frac{3}{4}$ " 1.85	3 " 2.66	3 $\frac{1}{2}$ " 3.80
2 $\frac{1}{2}$ " 1.65	3 " 1.92	3 $\frac{1}{4}$ " 2.74	4 " 4.00
2 $\frac{3}{4}$ " 1.70	3 $\frac{1}{4}$ " 2.00	3 $\frac{1}{2}$ " 2.90	4 $\frac{1}{2}$ " 4.20
3 " 1.75	3 $\frac{1}{2}$ " 2.08	4 " 3.06	5 " 4.40
3 $\frac{1}{4}$ " 1.80	3 $\frac{3}{4}$ " 2.16	4 $\frac{1}{2}$ " 3.23	5 $\frac{1}{2}$ " 4.60
3 $\frac{1}{2}$ " 1.85	4 " 2.30	5 " 3.38	6 " 4.80

1-8 Tire.
@ \$1.50 per hundred.

Philadelphia Plow Bolts.



Round Head, Short, Square.

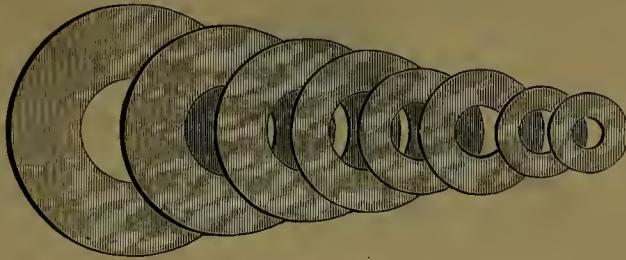


One Tit.

Price per Hundred.

$\frac{3}{8}$ Diameter.	$\frac{1}{2}$ Diameter.	$\frac{1}{2}$ Diameter.
1 $\frac{1}{4}$ inch, \$ 4.55	1 $\frac{1}{2}$ inch, \$ 5.60	1 $\frac{1}{2}$ inch, \$ 7.64
1 $\frac{1}{2}$ " 4.55	1 $\frac{3}{4}$ " 5.60	1 $\frac{3}{4}$ " 7.64
1 $\frac{3}{4}$ " 4.55	2 " 5.60	2 " 7.64
2 " 4.55	2 $\frac{1}{4}$ " 5.76	2 $\frac{1}{4}$ " 7.85
2 $\frac{1}{4}$ " 4.74	2 $\frac{1}{2}$ " 5.95	2 $\frac{1}{2}$ " 8.06
2 $\frac{1}{2}$ " 4.90	2 $\frac{3}{4}$ " 6.11	2 $\frac{3}{4}$ " 8.27
2 $\frac{3}{4}$ " 5.08	3 " 6.30	3 " 8.48
3 " 5.25	3 $\frac{1}{4}$ " 6.46	3 $\frac{1}{4}$ " 8.69
3 $\frac{1}{4}$ " 5.43	3 $\frac{1}{2}$ " 6.65	3 $\frac{1}{2}$ " 8.90
3 $\frac{1}{2}$ " 6.60	3 $\frac{3}{4}$ " 6.80	3 $\frac{3}{4}$ " 9.17
3 $\frac{3}{4}$ " 5.78	4 " 7.00	4 " 9.34
4 " 5.98		

Wrought Iron Washers.



$\frac{1}{2}$ in. Diameter,	$\frac{1}{4}$ in. hole,	No. 18, thickness of gauge,	$\frac{3}{16}$ in. bolt, per lb.,	25 cts.
$\frac{5}{8}$ "	$\frac{5}{16}$ "	No. 16	$\frac{1}{4}$ "	22 "
$\frac{3}{4}$ "	$\frac{5}{16}$ "	No. 16	$\frac{1}{4}$ "	19 "
$\frac{7}{8}$ "	$\frac{3}{8}$ "	No. 16	$\frac{5}{16}$ "	17 "
1 "	$\frac{7}{16}$ "	No. 14	$\frac{3}{8}$ "	15 "
$1\frac{1}{8}$ "	$\frac{1}{2}$ "	No. 14	$\frac{7}{16}$ "	15 "
$1\frac{1}{4}$ "	$\frac{1}{2}$ "	No. 14	$\frac{7}{16}$ "	13 "
$1\frac{3}{8}$ "	$\frac{9}{16}$ "	No. 12	$\frac{1}{2}$ "	13 "
$1\frac{1}{2}$ "	$\frac{5}{8}$ "	No. 12	$\frac{9}{16}$ "	12 $\frac{1}{2}$ "
$1\frac{1}{2}$ "	$\frac{11}{16}$ "	No. 10	$\frac{5}{8}$ "	12 $\frac{1}{2}$ "
$1\frac{3}{4}$ "	$\frac{11}{16}$ "	No. 10	$\frac{5}{8}$ "	12 $\frac{1}{2}$ "
$1\frac{3}{4}$ "	$\frac{13}{16}$ "	No. 10	$\frac{3}{4}$ "	12 $\frac{1}{2}$ "
2 "	$\frac{13}{16}$ "	No. 10	$\frac{3}{4}$ "	12 $\frac{1}{2}$ "
$2\frac{1}{4}$ "	$\frac{15}{16}$ "	No. 9	$\frac{7}{8}$ "	12 $\frac{1}{2}$ "
$2\frac{1}{4}$ "	$1\frac{1}{16}$ "	No. 9	1 "	12 $\frac{1}{2}$ "

In paper boxes of 5 pounds each and cases of 100 pounds.

Bolt Ends.



Size of Iron, inch,	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2
Per pound,	16	14	12	12	12	12	14	14	14	16	16	16	16 cts.

Square Nuts.



HOT PRESSED.

In paper boxes of 10 pounds each, and cases of 100 pounds.

in. square,	$\frac{5}{32}$ in. thickness,	$\frac{3}{32}$ in. diameter of hole,	$\frac{1}{8}$ in. size of bolt,	Average No. in 100 lbs.	Per lb.
$\frac{11}{32}$	$\frac{3}{32}$	$\frac{5}{32}$	$\frac{1}{8}$	30,000	50 cents.
$\frac{13}{32}$	$\frac{3}{16}$	$\frac{7}{32}$	$\frac{1}{8}$	15,000	20 "
$\frac{1}{2}$	$\frac{1}{4}$	$\frac{9}{32}$	$\frac{1}{4}$	8,000	20 "
$\frac{5}{8}$	$\frac{5}{16}$	$\frac{11}{32}$	$\frac{5}{16}$	4,000	17 "
$\frac{3}{4}$	$\frac{3}{8}$	$\frac{13}{32}$	$\frac{3}{8}$	3,000	15 "
$\frac{7}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{7}{16}$	1,400	13 $\frac{1}{2}$ "
$\frac{7}{8}$	$\frac{1}{2}$	$\frac{7}{16}$	$\frac{1}{2}$	1,320	13 $\frac{1}{2}$ "
1	$\frac{1}{2}$	$\frac{7}{16}$	$\frac{1}{2}$	1,000	12 $\frac{1}{2}$ "
$1\frac{1}{8}$	$\frac{9}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	700	12 $\frac{1}{2}$ "
$1\frac{1}{8}$	$\frac{5}{8}$	$\frac{9}{16}$	$\frac{5}{8}$	650	12 $\frac{1}{2}$ "
$1\frac{1}{4}$	$\frac{5}{8}$	$\frac{9}{16}$	$\frac{5}{8}$	450	12 "
$1\frac{3}{8}$	$\frac{3}{4}$	$\frac{21}{32}$	$\frac{3}{4}$	300	12 "
$1\frac{1}{2}$	$\frac{3}{4}$	$\frac{21}{32}$	$\frac{3}{4}$	250	11 $\frac{1}{2}$ "
$1\frac{5}{8}$	$\frac{7}{8}$	$\frac{25}{32}$	$\frac{7}{8}$	200	11 $\frac{1}{2}$ "
$1\frac{3}{4}$	$\frac{7}{8}$	$\frac{25}{32}$	$\frac{7}{8}$	175	11 $\frac{1}{2}$ "
$1\frac{3}{4}$	1	$\frac{7}{8}$	1	150	11 $\frac{1}{2}$ "
2	1	$\frac{7}{8}$	1	120	11 $\frac{1}{2}$ "
2	$1\frac{1}{8}$	$\frac{15}{16}$	$1\frac{1}{8}$	100	11 $\frac{1}{2}$ "
$2\frac{1}{4}$	$1\frac{1}{8}$	$\frac{15}{16}$	$1\frac{1}{8}$	80	11 $\frac{1}{2}$ "
$2\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{16}$	$1\frac{1}{4}$	.....	12 $\frac{1}{2}$ "
$2\frac{1}{2}$	$1\frac{1}{4}$	$1\frac{1}{16}$	$1\frac{1}{4}$	.....	12 $\frac{1}{2}$ "
$2\frac{1}{2}$	$1\frac{3}{8}$	$1\frac{3}{16}$	$1\frac{3}{8}$	.....	12 $\frac{1}{2}$ "
3	$1\frac{1}{2}$	$1\frac{5}{16}$	$1\frac{1}{2}$	.....	13 "
$3\frac{1}{4}$	$1\frac{5}{8}$	$1\frac{7}{16}$	$1\frac{5}{8}$	.....	13 "
$3\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{9}{16}$	$1\frac{3}{4}$	.....	14 "
$3\frac{3}{4}$	$1\frac{7}{8}$	$1\frac{11}{16}$	$1\frac{7}{8}$	.....	14 "
4	2	$1\frac{13}{16}$	2	.....	14 "

Turnbuckles.



Size of Iron—inch,	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	Size of Iron—inch,	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$
Each,	\$ 1 00	1 25	1 50	Per pound,	20	18	17	17	16	16 cts.

Hexagon Nuts.

HOT PRESSED.



Manufacturers' Standard List.

½ in. width, ¼ in. thickness, 7/32 in. hole, ½ in. bolt, 8,280 in 100 pounds, per pound,						30 cts.
5/8	5/16	9/32	5/16	4,440		25
3/4	3/8	11/32	3/8	2,330		20
7/8	7/16	13/32	7/16	1,430		18
7/8	1/2	7/16	1/2	1,330		18
1	1/2	7/16	1/2	1,010		16
1 1/8	9/16	1/2	9/16	723		16
1 1/8	5/8	9/16	5/8	625		16
1 1/4	5/8	9/16	5/8	514		15
1 1/4	3/4	9/16	5/8	435		15
1 3/8	3/4	31/32	3/4	376		15
1 1/2	7/8	21/32	3/4	250		14 1/2
1 5/8	7/8	25/32	7/8	213		14 1/2
1 5/8	1	25/32	7/8	197		14 1/2
1 3/4	1	7/8	1	170		14 1/2
1 3/4	1 1/8	7/8	1	151		14 1/2
2	1 1/4	15/16	1 1/8	100		14 1/2
2 1/4	1 3/8	1 1/16	1 1/4	72		15 1/2
2 1/2	1 1/2	1 3/16	1 3/8	54		15 1/2
2 3/4	1 5/8	1 5/16	1 1/2	41		15 1/2
3	1 3/4	1 7/16	1 3/4	37		16
3 1/4	1 7/8	1 9/16	1 3/4	30		16
3 1/2	2	1 11/16	1 7/8	20		17
3 1/2	2	1 13/16	2	15		17

Half Patent Axles.

Size—inch,	3/4	7/8	1	1 1/8	1 1/4
No. 13, Best Steel, Short Bed,	\$ 7 25	\$ 7 75	\$ 8 50	\$ 10 00	\$ 12 00
No. 14, " Long Bed Fan Tail,	9 00	9 50	10 50	13 50	15 00
No. " " " "	8 00	8 50	9 50	11 25	13 50
No. " Short Bed,	6 00	6 50	7 50	9 00	11 00
Size—inch,	3/4 & 7/8	1	1 1/8	1 1/4	1 1/2
No. 7, Best Steel Converted, Short Bed,	\$ 6 50	\$ 7 00	\$ 8 00	\$ 9 00	\$. . .
No. 8, " " Long Bed Fan Tail,	8 00	9 00	10 00	11 50	. . . .
Size—inch,	7/8 & 1	1 1/8	1 1/4	1 1/2	1 3/4
No. 0, Case Hardened Short Bed,	\$ 5 50	\$ 6 50	\$ 7 75	\$. . .	\$
No. 00, " Long Bed Fan Tail,	7 00	8 00	9 25	. . . .	. . . .
Size—inch,	7/8 & 1	1 1/8	1 1/4	1 1/2	1 3/4
No. 3, Not Hardened, Short Bed,	\$ 3 50	\$ 4 50	\$ 5 50	\$ 7 00	\$ 9 00
No. 4, " Long Bed Fan Tail,	5 25	6 25	7 50	8 75	. . . .

Kinsley Axles.



Sizes and Approximate Weights of Common Iron Axles.

All sizes, 1 to 4 inch, per lb.,	6 inch Arm,	Average weight per set, 41 lbs.	\$
1 inch Bed,	6 $\frac{1}{2}$ "	"	43 "
1 "	7 "	"	45 "
1 $\frac{1}{8}$ "	6 "	"	54 "
1 $\frac{1}{8}$ "	6 $\frac{1}{2}$ "	"	56 "
1 $\frac{1}{8}$ "	7 "	"	58 "
1 $\frac{1}{4}$ "	6 "	"	65 "
1 $\frac{1}{4}$ "	6 $\frac{1}{2}$ "	"	68 "
1 $\frac{1}{4}$ "	7 "	"	71 "
1 $\frac{1}{4}$ "	7 $\frac{1}{2}$ "	"	75 "
1 $\frac{3}{8}$ "	6 "	"	80 "
1 $\frac{3}{8}$ "	6 $\frac{1}{2}$ "	"	82 "
1 $\frac{3}{8}$ "	7 "	"	84 "
1 $\frac{3}{8}$ "	7 $\frac{1}{2}$ "	"	86 "
1 $\frac{3}{8}$ "	8 "	"	87 "
1 $\frac{1}{2}$ "	7 "	"	96 "
1 $\frac{1}{2}$ "	7 $\frac{1}{2}$ "	"	98 "
1 $\frac{1}{2}$ "	8 "	"	101 "
1 $\frac{1}{2}$ "	8 $\frac{1}{2}$ "	"	103 "
1 $\frac{1}{2}$ "	9 "	"	105 "
1 $\frac{5}{8}$ "	8 "	"	118 "
1 $\frac{5}{8}$ "	8 $\frac{1}{2}$ "	"	121 "
1 $\frac{5}{8}$ "	9 "	"	124 "
1 $\frac{3}{4}$ "	8 $\frac{1}{2}$ "	"	141 "
1 $\frac{3}{4}$ "	9 "	"	144 "
1 $\frac{3}{4}$ "	9 $\frac{1}{2}$ "	"	148 "
1 $\frac{3}{4}$ "	10 "	"	150 "
1 $\frac{3}{4}$ "	10 $\frac{1}{2}$ "	"	153 "
2 "	9 "	"	192 "
2 "	9 $\frac{1}{2}$ "	"	196 "
2 "	10 "	"	200 "
2 "	10 $\frac{1}{2}$ "	"	205 "
2 $\frac{1}{4}$ "	10 "	"	246 "
2 $\frac{1}{4}$ "	10 $\frac{1}{2}$ "	"	250 "
2 $\frac{1}{4}$ "	11 "	"	254 "
2 $\frac{1}{2}$ "	10 $\frac{1}{2}$ "	"	295 "
2 $\frac{1}{2}$ "	11 "	"	301 "
2 $\frac{1}{2}$ "	12 "	"	330 "
2 $\frac{3}{4}$ "	12 "	"	375 "
3 "	12 "	"	460 "

Kinsley & Brown's Genuine Concord Axles.

All sizes, 1 to 2½ inch, per lb.,

Sizes and Approximate Weights of Concord or Express Wagon Axles.

1½ inch Bed,	6 inch Arm,	Average weight per set, 44 lbs.
1½	6½	47
1½	7	49
1¼	6½	56
1¼	7	57½
1¼	7½	59
1⅜	6½	66
1⅜	7	70
1⅜	7½	73
1⅜	8	76
1½	7	81
1½	7½	84
1½	8	88
1½	8½	90
1½	9	93
1⅝	8	101
1⅝	8½	104
1⅝	9	106
1¾	8½	118
1¾	9	122
1¾	9½	125
1¾	10	128
2	9	151
2	9½	154
2	10	167
2	10½	172
2¼	10	200
2¼	10½	212
2¼	11	216
2½	10½	245
2½	11	255

Cumberland Coal.

Price, Sacks, per ton,	\$
“ Casks, “	“
“ Bulk, “	“

Side and End Springs.



Weight of Elliptic Springs.

1 1/4 x 3 x 34 inch weigh about 29 lbs. per pair.	1 3/4 x 5 x 38 inch weigh about 66 lbs. per pair.
1 1/4 x 3 x 36 " " 34 "	1 1/4 x 5 x 40 " " 69 "
1 1/4 x 4 x 34 " " 35 "	1 1/4 x 6 x 36 " " 69 "
1 1/4 x 4 x 36 " " 36 "	1 1/4 x 6 x 38 " " 75 "
1 1/4 x 4 x 38 " " 38 "	1 1/4 x 6 x 40 " " 77 "
1 1/4 x 3 x 34 " " 34 "	2 x 4 x 36 " " 54 "
1 1/4 x 4 x 34 " " 40 "	2 x 4 x 38 " " 60 "
1 1/4 x 4 x 36 " " 44 "	2 x 4 x 40 " " 65 "
1 1/4 x 4 x 38 " " 46 "	2 x 5 x 36 " " 69 "
1 1/4 x 5 x 36 " " 53 "	2 x 5 x 38 " " 76 "
1 1/4 x 5 x 38 " " 55 "	2 x 5 x 40 " " 79 "
1 1/4 x 4 x 36 " " 52 "	2 x 6 x 36 " " 79 "
1 1/4 x 4 x 38 " " 55 "	2 x 6 x 38 " " 85 "
1 1/4 x 5 x 36 " " 60 "	2 x 6 x 40 " " 89 "
Price, per pound,	\$

Painted Seat Springs.



1 1/4 inch wide, 2 leaf, 24 inches long, per pair,	\$ 1 50
1 1/4 " " 3 " 29 " " "	2 00
1 1/4 " " 2 " 28 " " "	1 75
1 1/2 " " 3 " 29 " " "	2 50

Bright Seat Springs.

1 1/4 inch wide, 2 leaf, 28 inches long, per pair,	\$
1 1/4 " " 2 " 30 " " "	....
1 1/4 " " 3 " 28 " " "	....
1 1/4 " " 3 " 30 " " "	....
1 1/2 " " 2 " 28 " " "	....
1 1/2 " " 2 " 30 " " "	....
1 1/2 " " 3 " 30 " " "	....
1 1/2 " " 3 " 32 " " "	....

Axle Nuts—For Iron Axles.



	$\frac{1}{2}$ inch hole x $1\frac{7}{8}$ inches flange ; 1 inch nut.	
$\frac{11}{16}$	" " x 2 " "	$1\frac{1}{8}$ " "
$\frac{13}{16}$	" " x $2\frac{1}{4}$ " "	$1\frac{1}{4}$ " "
$\frac{7}{8}$	" " x $2\frac{1}{2}$ " "	$1\frac{3}{8}$ " "
$\frac{15}{16}$	" " x $2\frac{3}{4}$ " "	$1\frac{1}{2}$ " "
$1\frac{1}{8}$	" " x $3\frac{5}{16}$ " "	$2\frac{1}{16}$ " "
$1\frac{1}{4}$	" " x $3\frac{3}{4}$ " "	$2\frac{1}{8}$ " "
$1\frac{3}{8}$	" " x 4 " "	$2\frac{1}{4}$ " "

(Measure taken inside of hole at top or outside of nut.)

Thimble Skeins.

$2\frac{1}{2}$ x 7 per set,	\$ 4 00	$3\frac{1}{2}$ x 11 per set,	\$ 8 25
$2\frac{1}{2}$ x 8 " "	5 00	$3\frac{1}{2}$ x 12 " "	8 50
$2\frac{3}{4}$ x 8 " "	6 00	$3\frac{3}{4}$ x 11 " "	9 00
$2\frac{3}{4}$ x $8\frac{1}{2}$ " "	6 00	$3\frac{3}{4}$ x 12 " "	9 00
3 x 9 " "	7 00	4 x 12 " "	10 50
$3\frac{1}{4}$ x 10 " "	8 00	$4\frac{1}{4}$ x 13 " "	16 50
$3\frac{1}{2}$ x 10 " "	8 25	$4\frac{1}{2}$ x 13 " "	18 00

\$1.25 per set extra for oil cups.

Felloe Plates.



Wrought Iron.

Plates for $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{3}{8}$, $1\frac{1}{2}$, $1\frac{5}{8}$, $1\frac{3}{4}$, 2 inch Rims, per pound \$

Rubber Spring Bumpers.

No. 1, $1\frac{1}{2}$ in. wide, 3 in. high, 7 in. long, per pound,	\$
No. 2, $1\frac{3}{4}$ " " $3\frac{1}{2}$ " " $8\frac{1}{2}$ " " "	\$
No. 3, 2 " " 4 " " 9 " " "	\$

Flat, Sharp-center Axle Clips.



Cut C

No. 0, Size of Shank $\frac{5}{16}$, Flat part $2\frac{3}{4}$ in. long, $\frac{5}{8}$ and $\frac{7}{8}$ wide, per dozen,	\$ 85
No. 1, " " " $3\frac{1}{4}$ " " " " "	85
No. 2, " " " $3\frac{3}{4}$ " " " " "	85
No. 3, " " " $4\frac{1}{4}$ " " " " "	90
No. 4, " " " $4\frac{3}{4}$ " " " " "	1 05
No. 5, " " " $5\frac{1}{4}$ " " " " "	1 20

Put up in boxes of 4 dozen each.

Please Order by Cut C.

Axle Clips.



Clips for Buggies.

No. 00,	Size of Shank	$\frac{5}{16}$	Flat Part	$2\frac{1}{4}$	in. long,	$\frac{5}{8}$, $\frac{3}{4}$ and $\frac{7}{8}$	wide, per dozen	\$ 80
No. 0,	"	"	"	$2\frac{3}{4}$	"	"	"	80
No. 1,	"	"	"	$3\frac{1}{4}$	"	"	"	80
No. 2,	"	"	"	$3\frac{3}{4}$	"	"	"	80
No. 3,	"	"	"	$4\frac{1}{4}$	"	"	"	85
No. 4,	"	"	"	$4\frac{3}{4}$	"	"	"	1 00
No. 5,	"	"	"	$5\frac{1}{4}$	"	"	"	1 15
No. 6,	"	"	"	6	"	"	"	1 35

Clips for Heavy Wagons and Rockaways.

No. 00,	Size of Shank	$\frac{3}{8}$	Flat Part	$3\frac{1}{2}$	in. long,	$1\frac{1}{4}$	wide, per dozen,	\$ 1 00
No. 0,	"	"	"	4	"	"	"	1 00
No. 1,	"	"	"	$4\frac{1}{2}$	"	"	"	1 00
No. 2,	"	"	"	5	"	"	"	1 15
No. 3,	"	"	"	$5\frac{1}{2}$	"	"	"	1 25
No. 4,	"	"	"	6	"	"	"	1 40
No. 5,	"	"	"	$6\frac{1}{2}$	"	"	"	1 75
No. 6,	"	"	"	$7\frac{1}{4}$	"	"	"	2 25

Put up in boxes of 4 dozen each.

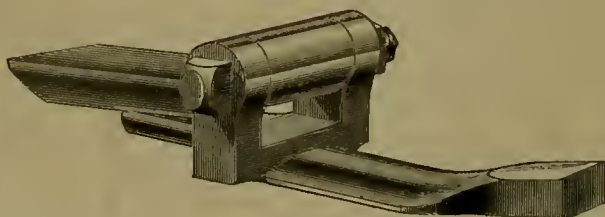
New Pattern Superior Axle Clips.



No. 0,	Size of Shank	$\frac{5}{16}$	Flat Part	$2\frac{3}{4}$	in. long and	$\frac{7}{8}$	in. wide, per dozen,	\$ 70
No. 1,	"	"	"	$3\frac{1}{4}$	"	"	"	70
No. 2,	"	"	"	$3\frac{3}{4}$	"	"	"	70
No. 3,	"	"	"	$4\frac{1}{4}$	"	"	"	78
No. 4,	"	"	"	$4\frac{3}{4}$	"	"	"	97
No. 5,	"	"	"	$5\frac{1}{4}$	"	"	"	1 10
No. 00,	Size of Shank	$\frac{3}{8}$	Flat Part	$3\frac{1}{2}$	in. long,	$1\frac{1}{4}$	wide, per dozen,	1 00
No. 0,	"	"	"	4	"	"	"	1 00
No. 1,	"	"	"	$4\frac{1}{2}$	"	"	"	1 00
No. 2,	"	"	"	5	"	"	"	1 15
No. 3,	"	"	"	$5\frac{1}{2}$	"	"	"	1 25
No. 4,	"	"	"	6	"	"	"	1 40
No. 5,	"	"	"	$6\frac{1}{2}$	"	"	"	1 75
No. 6,	"	"	"	$7\frac{1}{4}$	"	"	"	2 25
No. 7,	"	"	"	8	"	"	"	2 35

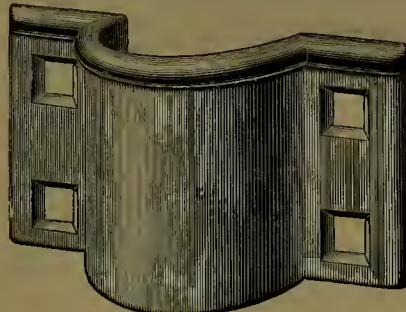
Put up in boxes of 4 dozen each.

Shaft Couplings.



$\frac{7}{8}$	inch, per pair,	\$
1	"	"
$1\frac{1}{8}$	"	"
$1\frac{1}{4}$	"	"
$1\frac{1}{2}$	"	"
1	"	"
2	"	"

Wagon Stake Irons.



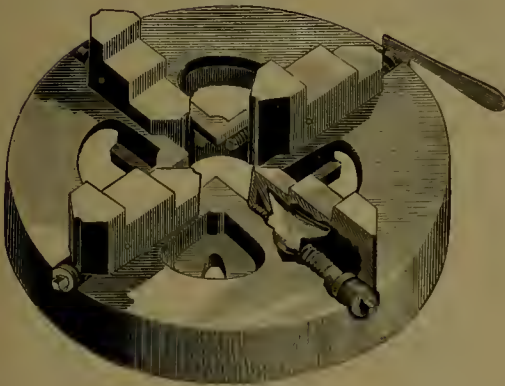
Half size cut of 2 inch.

Per pound,

cts.

Roberts' Lathe and Planer Chuck.

JUDSON'S PATENT.



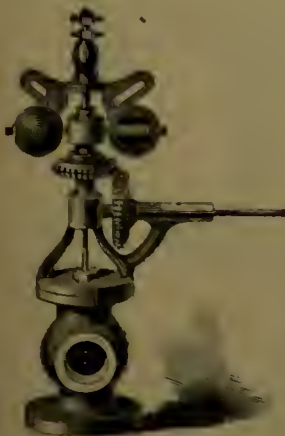
This cut of a $\frac{1}{2}$ section of the nut and jaw shows the special feature of this Chuck in the angles of the nut and jaw, by which, when the jaw comes against a piece of work in the Chuck, the pressure of the screw towards the center also presses the jaw firmly against the face of the Chuck, so the jaw can never tip up, thus holding the work firmer than any other Chuck. We make all sizes independent Jaws, and from 6 to 15 inch with Universal Jaws. The screws in the Universal Chuck are geared together in the center, thus making the only Universal Chuck with a direct motion. The working parts are made of steel and wrought iron. The jaws on all Chucks above 6 inch are reversible.

4½ in.,	\$ 15 00	18 in.,	\$ 45 00
6 "	20 00	20 "	55 00
9 "	25 00	24 "	70 00
12 "	30 00	28 "	90 00
15 "	35 00	30 "	100 00
	36 in.,		\$ 150 00

Every Chuck fully warranted, and sent out on trial.

Roberts' Engine Governor.

With Adjustable Valve; Sutcliffe's patent; the most sensitive Governor in use.



Size of Valve, or Diameter of Steam Pipe.	Finished.	Plain.	Diameter of Cylinder suitable for.
$\frac{3}{4}$ inch, each,	\$ 17 00	\$ 15 00	2 to 3 inch.
1 "	17 00	16 00	2 " 3 "
1½ "	20 00	18 00	3 " 4 "
1¾ "	23 00	20 00	4 " 5 "
2 "	28 00	24 00	5 " 7 "
2½ "	33 00	28 00	7 " 9 "
3 "	44 00	38 00	9 " 12 "
3½ "	54 00	48 00	12 " 14 "
4 "	62 00	53 00	14 " 17 "
	71 00	61 00	17 " 20 "

The speed for each Governor is stamped on it.

The valve in this Governor is hollow and turned to fit the chamber, and suspended by a brass rod, the sides of the chamber forming a seat for the valve, thereby avoiding all friction. The steam passes through into the valve and then into the steam-chest, preventing the cutting of the seat, as in other Governors. The balls have a hole bored through the center, then counter-bored, to admit a spiral spring. A steel pin is turned with a collar on the outer end, so that it may fit loosely each end of the balls, and fastened to the lower sleeve, permitting only of a lateral motion to the balls, due the centrifugal force. The balls are connected to the top sleeve by brass strips, which give a direct motion to the valve below. At the top is a hand wheel and jam nut, by which the valve may readily be adjusted to regulate the speed of the engine while the Governor is in motion. These Governors are warranted to give perfect satisfaction, and are sent out on trial.

Leather Belting.

BEST OAK TANNED.

Inch,	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3
Per foot,	9	12	15	18	21	24	27	30	33 cts.
Inch,		3 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$	4	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$	6
Per foot,		36	39	42	45	51	57	63	69 cts.
Inch,		6 $\frac{1}{2}$	7	8	9	10	11	12	13
Per foot,		\$ 0 75	.81	.93	1 05	1 17	1 29	1 41	1 53
Inch,	14	15	16	17	18	19	20	22	24
Per foot,	\$ 1 65	1 80	1 94	2 10	2 26	2 42	2 58	2 90	3 22

Double Belt twice price of single.

ROUND LEATHER BELTING.

Inch,	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
Per foot,	12	18	24	30	40 cts.

Rubber Belting.

Three Ply.

2 inches,	cts.	7 inches,	\$	15 inches,	\$
2 $\frac{1}{2}$ "	"	8 "	"	16 "	"
3 "	"	9 "	"	18 "	"
3 $\frac{1}{2}$ "	"	10 "	"	20 "	"
4 "	"	11 "	"	22 "	"
4 $\frac{1}{2}$ "	"	12 "	"	24 "	"
5 "	"	13 "	"	26 "	"
6 "	"	14 "	"	28 "	"

Four Ply.

2 inches,	\$	11 inches,	\$	30 inches,	\$
2 $\frac{1}{2}$ "	"	12 "	"	32 "	"
3 "	"	13 "	"	34 "	"
3 $\frac{1}{2}$ "	"	14 "	"	36 "	"
4 "	"	15 "	"	38 "	"
4 $\frac{1}{2}$ "	"	16 "	"	40 "	"
5 "	"	18 "	"	42 "	"
6 "	"	20 "	"	44 "	"
7 "	"	22 "	"	46 "	"
8 "	"	24 "	"	48 "	"
9 "	"	26 "	"		
10 "	"	28 "	"		

Lace Leather.

PAGE'S BEST.

No. 1, per dozen sides,	\$ 45 00
No. 2, " "	40 00
No. 3, " "	36 00

Rubber or Gum Packing with Cloth Insertion.

OR CLOTH ON ONE OR BOTH SIDES.

$\frac{1}{6}$ inch, Regular, per lb., \$	Extra Quality, per lb., \$	White Para, per lb., \$
$\frac{1}{8}$ " " "	" " "	" " "
$\frac{1}{4}$ " " "	" " "	" " "
$\frac{3}{8}$ " " "	" " "	" " "
$\frac{1}{2}$ " " "	" " "	" " "
$\frac{5}{8}$ " " "	" " "	" " "
$\frac{3}{4}$ " " "	" " "	" " "
$\frac{7}{8}$ " " "	" " "	" " "
1 " " "	" " "	" " "

Goodyear's Pure Gum Packing.

$\frac{1}{8}$ to 1 inch, Regular, per lb., \$	Extra quality, per lb., \$
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Goodyear's Round and Square Piston Packing.

$\frac{1}{4}$ to $1\frac{3}{4}$ inch, Regular, per lb., \$	Rubber Back, per lb., \$
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Weight per Square Yard of Sheet Rubber Packing.

Thickness, inch,	$\frac{1}{32}$	$\frac{1}{16}$	$\frac{3}{32}$	$\frac{1}{8}$	$\frac{7}{16}$	$\frac{1}{4}$
Pounds, about,	$2\frac{1}{2}$	5	$7\frac{1}{2}$	10	15	20

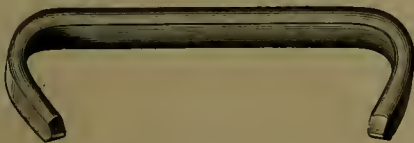
Italian Hemp Packing.

In Coils, about 25 lbs., per lb., 30 cts.

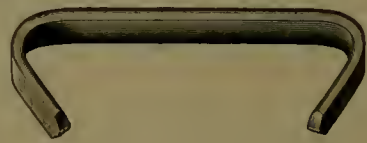
Cotton Waste.

In Bale 100 lbs., per lb.,

Pointed Belt Hooks.



No. 4.



No. 5.



No. 6.



No. 7.



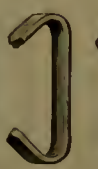
No. 8.



No. 9.



No. 10.



No. 11.



No. 12.



No. 13.



No. 14.



No. 15.

Cuts are full size.

Nos. Per 100.	2 \$ 2 00	3 1 60	4 1 40	5 1 10	6 .85	7 .60	8 .50
Nos. Per 100.	9 40	10 35	11 30	12 28	13 26	14 24	15 20 cts.

Nos. 2 to 5, 100 in a box ; 6 to 8, 200 ; 9 and 10, 300 ; 11 to 15, 500.

Thermometers.



Japanned, 8 inch, per dozen,
 " 10 " "

4 50
 5 00

Oak Well Buckets.



Gallons,	3	4	5
Per dozen, black hoop,	\$ 12 00	\$ 15 00	\$ 18 00
" galv. "	13 50	16 50	20 00

Clothes-pins.

Common Turned Head (5 gross in a box) per box, 56
 Smith's Spring, (1 " ") " "

Butter-molds.

1 Pound, per dozen, 56
 2 " " "

Hardware Paper.

Size, 18 x 24, 20 x 30, 22 x 32, 24 x 36, per pound, 56

Bath Bricks.

English (2 dozen in a case) per case, 56

Wash-boards.

Common Zinc, per dozen, 56
 Double " " "

Chopping Trays.

Oval, large, per dozen,	56
“ medium, per dozen,	
“ small, “	

Round Bowls.

In Nests of Six, per nest,	56
----------------------------	----

Brooms.

No. 1, per dozen,	56
“ 2, “	
“ 3, “	
Mill, “	

Rattan Brooms, for Stables, Streets, Etc.

10 inch, per dozen,	56
12 “ “	
14 “ “	

Needles.

Sail Needles.

	Flat Seam.	Tabline.	Oldwork.	Store.	Head Rope.	Small Bolt Rope.	Middle Bolt Rope.	Large Bolt Rope.
Inches,	2 $\frac{1}{2}$	2 $\frac{3}{8}$	2 $\frac{3}{4}$	2	3 $\frac{7}{8}$	3 $\frac{1}{4}$	3 $\frac{1}{2}$	4
Per 100	\$ 1 25	1 25	1 25	1 50	1 75	2 25	2 50	3 00

Spring Eye Needles—California Pattern.

Straight, inches,	4	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$
Per dozen,				

Bent Packing Needles.

Nos.	6	7	8	9	10	11	12	13	14
Inches,	8 $\frac{1}{2}$	7	6 $\frac{1}{2}$	6	5	4 $\frac{1}{2}$	4	3 $\frac{3}{4}$	3
Per gross,									

Pails.

Painted, per dozen,	56
Varnished B. H., per dozen,	
“ G. H. “	
White G. H. “	
“ “ large “	

Tubs.

No. 1, Painted, per dozen,	56
No. 2, “ “	
No. 3, “ “	
Nest of 3, Painted, per nest,	
No. 1, Varnished, per dozen,	
No. 2, “ “	
No. 3, “ “	
Nest of 3, Varnished, per nest,	
No. 1, White G. H. E., per dozen,	
No. 2, “ “ “	
No. 3, “ “ “	
Nest of 3, White G. H. E., per nest,	

Cipher for Ordering Pipe by Telegraph.

Number Feet.	PLAIN.	GALVANIZED.	ENAMELED.
	Size.	Size.	Size.
100—Asia.	$\frac{1}{8}$ —Allegheny.	$\frac{1}{4}$ —Amazon.	$\frac{1}{4}$ —Aliee.
200—Belgium.	$\frac{1}{4}$ —Baltimore.	$\frac{3}{8}$ —Bay.	$\frac{3}{8}$ —Bertha.
300—Chili.	$\frac{3}{8}$ —Camden.	$\frac{1}{2}$ —Colorado.	$\frac{1}{2}$ —Constance.
400—Denmark.	$\frac{1}{2}$ —Detroit.	$\frac{3}{4}$ —Danube.	$\frac{3}{4}$ —Dora.
500—Egypt.	$\frac{3}{4}$ —Erie.	1 —Elbe.	1 —Edith.
600—France.	1 —Fairmount.	$1\frac{1}{4}$ —Firth.	$1\frac{1}{4}$ —Flora.
700—Germany.	$1\frac{1}{4}$ —Galena.	$1\frac{1}{2}$ —Ganges	$1\frac{1}{2}$ —Graee.
800—Holland.	$1\frac{1}{2}$ —Harrisburg.	2 —Hudson.	2 —Helena.
900—Ireland.	2 —Ithaca.	$2\frac{1}{2}$ —Indus.	$2\frac{1}{2}$ —Isabel.
1000—Japan.	$2\frac{1}{2}$ —Jamestown.	3 —Juanita.	3 —Julia.
2000—Kentucky.	3 —Kensington.	$3\frac{1}{2}$ —Kenawha.	$3\frac{1}{2}$ —Kate.
3000—Liberia.	$3\frac{1}{2}$ —Lancaster.	4 —Lake.	4 —Luey.
4000—Maine.	4 —Macon.	$4\frac{1}{2}$ —Miami.	$4\frac{1}{2}$ —Maud.
5000—Nevada.	$4\frac{1}{2}$ —Quincy.	5 —Nilc.	5 —Nora.
6000—Ohio.	5 —Newark.	6 —Osage.	6 —Olivia.
7000—Peru.	6 —Oneida	7 —Po.	7 —Pauline.
8000—Russia.	7 —Paris.	8 —Rhine.	8 —Rose.
9000—Spain.	8 —Reading.	9 —Seine.	9 —Sibyl.
10000—Texas.	9 —Salem.	10 —Tweed.	10 —Theresa.
	10 —Troy.		

Thus an order for 100 feet $\frac{1}{2}$ inch, 200 feet $\frac{3}{8}$, 300 feet $\frac{3}{4}$ Plain, and 500 of $1\frac{1}{4}$ Galvanized, would read—"Ship Asia-Detroit, Belgium-Camden, Chili-Erie, Egypt-Firth."

Telegraph Cipher for Use in Ordering Nails.

	3 Fine.	Common.	4d.	6d.	8d.	10d.	12d.	20d.	30d.	40d.	50d.	60d.
1	Keg,	Homer	Finis	Flesh	Golden	Graceful	Greet	Hannah	Hammer	Harvest	Hearse	Howard
2	"	Hopkins	Foe	Flame	Gondola	Grammar	Grieve	Hudson	Hamilton	Harem	Helmet	Hours
3	"	Horace	Fix	Flask	Goose	Granpus	Groan	Hammond	Hamper	Harlem	Help	Hogshead
4	"	Hornet	Fit	Flock	Gospel	Gramby	Ground	Harding	Hamlet	Harlot	Here	Hollow
5	"	Hotel	Flour	Flora	Gotham	Granite	Crowl	Harris	Hampton	Haste	Herb	Holt
10	"	Hub	Float	Fade	Gossip	Grapes	Crudge	Harold	Handle	Hinge	Heaven	Homage
15	"	Hurry	Floss	Fame	Govern	Grace	Grumble	Harry	Hang	Harvard	Hemp	Home
20	"	Hurt	Flow	Fagot	Grafton	Grade	Grunst	Hawkins	Handcuff	Harvey	Herald	Homely
25	"	Husking	Fluid	Farce	Graham	Graduate	Guest	Hayden	Handsome	Hastings	Hebrew	Honest
30	"	Hunkey	Flute	Falcon	Grayson	Graft	Guitar	Habit	Hannibal	Hatch	Hemlock	Horn
40	"	Hug	Fox	Fallow	Grimes	Grain	Gum	Ham	Happen	Halter	Herring	Hostage
50	"	Humble	Fop	Falter	Gray	Granulate	Gunner	Handy	Happy	Helen	Hickory	Hoax
60	"	Humblebug	Income	Family	Green	Grapple	Guthrie	Hark	Harbor	Henry	Hindoo	Hominy
75	"	Humor	Indian	Famous	Gravy	Grasp	Guide	Harsh	Harm	Herbert	Hand	Honor
100	"	Husband	Indigo	Fatal	Greek	Gratify	Gurgle	Havoc	Harness	Headache	Binder	Hospital
150	"	Hush	Infant	Father	Grog	Gravel	Gush	Hawk	Harp	Health	History	House
200	"	Idea	Ingonar	Fathom	Grotto	Graze	Gun	Hagar	Harrow	Headlong	Hoffman	Hogarth
250	"	Idiot	Ingrate	Fairy	Group	Grease	Gauge	Halifax	Hatter	Heathen	Holmes	Holland

Telegraph Cipher—Continued.

	6 in. Cut Spike.	7 in. Cut Spike.	8 in. Cut Spike.	6d Brad.	8d Brad.	10d Brad.	12d Brad.
1 Keg	Ingress	Jaunt	Juniper	Kennel	Knuckle	Lantern	Lapland
2 "	Insipid	Jennie	Jupiter	Kidney	Knife	Lawful	Lazy
3 "	Include	Jersey	Justice	Kimbo	Knight	Labor	Lace
4 "	Increase	Jest	Judge	Kindred	Knit	Lament	Land
5 "	Infest	Jew	Jump	Kimball	Knob	Large	Last
10 "	Inflate	Jewel	Justify	King	Knock	Lather	Lath
15 "	Influet	Jilt	Katie	Kitchen	Koran	Lavish	Leonard
20 "	Inspect	Jingle	Kasson	Kiek	Laura	Lewis	Legend
25 "	Invade	John	Kearny	Kidnap	Ladder	Leghorn	League
30 "	Irving	Jordan	Kerner	Kill	Lager	Leather	Legacy
40 "	Issue	Joyful	Kedron	Kiss	Lane	Lemon	Let
50 "	Italy	Jockey	Keep	Kite	Laurel	Lehigh	Learn
60 "	Jargon	Join	Kettle	Kitten	Law	Lecture	Letter
75 "	Jasper	Joint	Key	Knec	Lawless	Level	Libbie
100 "	Javelin	Judith	Kelly	Knell	Lawyer	Life	Linen
150 "	Jaeket	Julia	Kendal	Knap	Laxity	Lion	Liquid
200 "	Jade	Judson	Kent	Knox	Lady	Limped	Lisbon
250 "	Japan	Juliet	Kennedy	Knave	Lamb	Lisbon	Limit

Telegraph Cipher for Common Sizes Iron.

Round Refined.

Abbot, . 3-16 in.	Abolish, . $\frac{1}{2}$ in.	Accomplish, 1 in.	Adverb, . $1\frac{3}{4}$ in.
Abner, . $\frac{1}{4}$ "	Absent, . 9-16 "	Account, . $1\frac{1}{8}$ "	Addison, . 2 "
Able, . 5-16 "	Abstain, . $\frac{5}{8}$ "	Adams, . $1\frac{1}{4}$ "	Adrian, . $2\frac{1}{8}$ "
Abortion, . $\frac{3}{8}$ "	Abstract, 11-16 "	Adage, . $1\frac{3}{8}$ "	Adriatic, . $2\frac{1}{4}$ "
Abigail, . 7-16 "	Abuse, . $\frac{3}{4}$ "	Adamant, . $1\frac{1}{2}$ "	Adjourn, . $2\frac{3}{8}$ "
	Academy, . $\frac{7}{8}$ "	Adjective, . $1\frac{5}{8}$ "	

Square Refined.

Age, . $\frac{1}{4}$ in.	Albany, . $\frac{5}{8}$ in.	Alacrity, . $1\frac{1}{8}$ in.	Almanac, . $1\frac{3}{4}$ in.
Ague, . 5-16 "	Albert, . $\frac{3}{4}$ "	Alcove, . $1\frac{1}{4}$ "	Almond, . 2 "
Aid, . $\frac{3}{8}$ "	Alfred, . $\frac{7}{8}$ "	Alike, . $1\frac{1}{2}$ "	Antimony . $2\frac{1}{4}$ "
Akron, . $\frac{1}{2}$ "	Allen, . 1 "	All, . $1\frac{5}{8}$ "	Alloes, . $2\frac{1}{2}$ "

Flat Refined.

Amateur, $\frac{1}{8} \times \frac{3}{4}$ in.	Amount, $\frac{1}{8} \times 1\frac{3}{4}$ in.	Anderson, 3-16x $\frac{3}{4}$ in.	Appian, 3-16 x $1\frac{1}{2}$ in.
Amber, " $\frac{7}{8}$ "	Andrew, " 2 "	Animate, " $\frac{7}{8}$ "	Apple, " $1\frac{3}{4}$ "
America, " 1 "	Aucony, " $2\frac{1}{4}$ "	Annex, " 1 "	Apricot, " 2 "
Amanda, " $1\frac{1}{8}$ "	Anguish, " $2\frac{1}{2}$ "	Anoint, " $1\frac{1}{8}$ "	Appeal, " $2\frac{1}{4}$ "
Ambush, " $1\frac{1}{4}$ "	Ankle, " $2\frac{3}{4}$ "	Apostle, " $1\frac{1}{4}$ "	Applaud, " $2\frac{1}{2}$ "
Amend, " $1\frac{3}{8}$ "	Antelope, " 3 "	Apron, " $1\frac{3}{8}$ "	Apprentice, " 3 "
Anna, " $1\frac{1}{2}$ "			

Flat Refined.

Alone, $\frac{1}{4} \times \frac{3}{4}$ in.	Astor, $\frac{1}{4} \times 3$ in.	Bawl, $\frac{3}{8} \times 2$ in.	Barber, $\frac{1}{2} \times 1\frac{1}{2}$ in.
Arnold, " 1 "	Baker, $\frac{3}{2} \times \frac{3}{4}$ "	Barn, " $2\frac{1}{4}$ "	Bargain, " $1\frac{5}{8}$ "
Armenia, " $1\frac{1}{8}$ "	Baldwin, " $\frac{7}{8}$ "	Barney, " $2\frac{1}{2}$ "	Barter, " $1\frac{3}{4}$ "
Aroma, " $1\frac{1}{4}$ "	Bates, " 1 "	Bagdad, " 3 "	Bayonet, " 2 "
Arthur, " $1\frac{1}{2}$ "	Baby, " $1\frac{1}{8}$ "	Bandage, $\frac{1}{2} \times 1$ "	Bag, " $2\frac{1}{4}$ "
Arch, " $1\frac{3}{4}$ "	Bad, " $1\frac{1}{4}$ "	Banish, " $1\frac{1}{8}$ "	Belinda, " $2\frac{1}{2}$ "
Argue, " 2 "	Bank, " $1\frac{1}{2}$ "	Banquet, " $1\frac{1}{4}$ "	Betsy, " $2\frac{3}{4}$ "
Amica, " $2\frac{1}{4}$ "	Bashful, " $1\frac{3}{4}$ "	Baptize, " $1\frac{3}{8}$ "	Benton, " 3 "
Ashland, " $2\frac{1}{2}$ "			

Telegraph Cipher for Common Sizes Iron.

Bedford, . . .	$\frac{5}{8} \times 1$ in.	Briekford, . . .	$\frac{3}{4} \times 1\frac{1}{2}$ in.	Bosom, . . .	$\frac{7}{8} \times 2\frac{1}{4}$ in.
Belgian, . . .	$\frac{5}{8} \times 1\frac{1}{8}$ "	Bishop, . . .	$\frac{3}{4} \times 1\frac{5}{8}$ "	Boy, . . .	$\frac{7}{8} \times 2\frac{3}{4}$ "
Belmont, . . .	$\frac{5}{8} \times 1\frac{1}{4}$ "	Biseay, . . .	$\frac{3}{4} \times 1\frac{3}{4}$ "	Bogus, . . .	$\frac{7}{8} \times 3$ "
Bengal, . . .	$\frac{5}{8} \times 1\frac{3}{8}$ "	Blaek, . . .	$\frac{3}{4} \times 2$ "	Borgia, . . .	$\frac{7}{8} \times 3\frac{1}{2}$ "
Berger, . . .	$\frac{5}{8} \times 1\frac{1}{2}$ "	Blue, . . .	$\frac{3}{4} \times 2\frac{1}{4}$ "	Bombay, . . .	$\frac{7}{8} \times 4$ "
Bellow, . . .	$\frac{5}{8} \times 1\frac{5}{8}$ "	Blanket, . . .	$\frac{3}{4} \times 2\frac{1}{2}$ "	Bowels, . . .	$1 \times 1\frac{1}{4}$ "
Bender, . . .	$\frac{5}{8} \times 1\frac{3}{4}$ "	Bliss, . . .	$\frac{3}{4} \times 2\frac{3}{4}$ "	Boast, . . .	$1 \times 1\frac{1}{2}$ "
Benefit, . . .	$\frac{5}{8} \times 2$ "	Blonde, . . .	$\frac{3}{4} \times 3$ "	Boil, . . .	$1 \times 1\frac{3}{4}$ "
Berlin, . . .	$\frac{5}{8} \times 2\frac{1}{4}$ "	Blot, . . .	$\frac{7}{8} \times 1\frac{1}{2}$ "	Bolster, . . .	1×2 "
Bethel, . . .	$\frac{5}{8} \times 2\frac{1}{2}$ "	Blubber, . . .	$\frac{7}{8} \times 1\frac{5}{8}$ "	Brooks, . . .	$1 \times 2\frac{1}{4}$ "
Betray, . . .	$\frac{5}{8} \times 3$ "	Bluff, . . .	$\frac{7}{8} \times 1\frac{3}{4}$ "	Brown, . . .	$1 \times 2\frac{1}{2}$ "
Billiards, . . .	$\frac{3}{4} \times 1$ "	Blunder, . . .	$\frac{7}{8} \times 2$ "	Bread, . . .	$1 \times 2\frac{3}{4}$ "
Billions, . . .	$\frac{3}{4} \times 1\frac{1}{4}$ "	Blush, . . .	$\frac{7}{8} \times 2\frac{1}{4}$ "	Bride, . . .	1×3 "

Round Norway.

Champagne, . . .	$\frac{1}{4}$ in.	Chandler, . . .	$\frac{5}{8}$ in.	Children, . . .	$1\frac{1}{2}$ in.
Chaste, . . .	$\frac{5}{16}$ "	Chatham, . . .	$\frac{3}{4}$ "	China, . . .	$1\frac{3}{4}$ "
Chestnut, . . .	$\frac{3}{8}$ "	Cherub, . . .	$\frac{7}{8}$ "	Chorus, . . .	2 "
Chadwick, . . .	$\frac{7}{16}$ "	Chaff, . . .	1 "		
Champion, . . .	$\frac{1}{2}$ "	Chieken, . . .	$1\frac{1}{4}$ "		

Square Norway.

Cheat, . . .	$\frac{3}{4}$ in.	Choke, . . .	$1\frac{1}{8}$ in.	Clara, . . .	$1\frac{3}{4}$ in.
Cheek, . . .	$\frac{7}{8}$ "	Churn, . . .	$1\frac{1}{4}$ "	Clendora, . . .	2 "
Chemise, . . .	1 "	Cireus, . . .	$1\frac{1}{2}$ "		



