

## STEEL WIRE CASTING OR CLEANING BRUSHES.

Moulders'.  $8\frac{1}{2}$  Inches Long; Hardwood Block.

| Nos.                   | 322    | 323  | 324  | 424  | 524  | 425  | 525  | 426  |
|------------------------|--------|------|------|------|------|------|------|------|
| Rows wide              | 2      | 3    | 3    | 4    | 5    | 4    | 5    | 4    |
| Rows long              | 12     | 12   | 12   | 12   | 12   | 12   | 12   | 12   |
| Length exposed, inches | 2      | 3    | 4    | 4    | 4    | 5    | 5    | 6    |
| Per dozen              | \$3.25 | 4.00 | 4.50 | 6.00 | 6.50 | 6.75 | 7.50 | 7.75 |

NOTE.—STATE WHETHER FINE OR COARSE WIRE IS WANTED.

Average Weight per Dozen 14 lbs.

## BRUSHES.



No. 1.

No. 2.  
Moulders'.

No. 3.

Selected Russia Bristles, Wire Drawn; Hardwood Block.

Per Dozen

|                                                                             |         |
|-----------------------------------------------------------------------------|---------|
| No. 1—14 inches Long; Bristles 4 inches Long; Weight per dozen about 8 lbs. | \$15.00 |
| No. 2—14 inches Long; Bristles 4 inches Long; Weight per dozen about 8 lbs. | 9.00    |
| No. 3—14 inches Long; Bristles 4 inches Long; Weight per dozen about 8 lbs. | 9.00    |

## RELIANCE STEEL WIRE BRUSHES.



Complete.



Complete Section or Filler.

## MOULDERS'.

Suitable for Cleaning all kinds of Castings; Can be used on an Ordinary Emery Grinder.

Complete, Including Metal Hubs.

| No.    | Diameter, inches. | Width of Face, inches. | Each.   |
|--------|-------------------|------------------------|---------|
| No. 50 | 15                | 2½                     | \$15.00 |
| No. 53 | 12                | 2                      | 13.50   |
| No. 54 | 10                | 1½                     | 12.00   |
| No. 55 | 8                 | 1½                     | 10.50   |

Weight Each about 10 lbs.

Sections or Fillers for Steel Wire Brushes.

| No.      | For Brush No. | Sections Per Set. | Per Set. |
|----------|---------------|-------------------|----------|
| No. 3314 | 50            | 6                 | \$7.50   |
| No. 3411 | 53            | 5                 | 6.50     |
| No. 358  | 54            | 5                 | 6.00     |
| No. 365  | 55            | 4                 | 5.50     |

Weight per Set about 5 lbs.

NOTE.—Brushes Nos. 50, 53 and 54 are regularly made for Arbors  $1\frac{1}{2}$  inches and Smaller. No. 55 for Arbors 1 inch and Smaller. For Larger Size Arbors there will be an Additional Cost. ALWAYS SPECIFY SIZE OF ARBOR FOR WHICH BRUSH IS WANTED. Packed Loose.

## MOULDERS' SWABS.



Per Dozen  
**No. 17H**—HEMP; 24 inches Long;  
 Weight per dozen about  
 2 lbs. .... \$2.00  
**No. 17F**—FLAX; 24 inches Long;  
 Weight per dozen about  
 2 lbs. .... 2.75

## FLOOR RAMMERS.

Complete.



Per Dozen  
**No. 77**—4 feet 6 inches Long; Polished Iron Butts and Peans;  
 Hickory Handle; Weight per dozen about 90 lbs. .... \$20.00

## BENCH RAMMERS.

Moulders' Hardwood.



Per Pair  
**No. 78**—Made of very best Hardwood, Well Seasoned and Oiled; 13 inches Long, with 4 inch Butts; Weight per pair about 2½ lbs. .... \$2.00

## BRASS PARTING SAND RIDDLES.



Per Dozen  
**No. 97**—Wood Rim; 18 inches in Diameter; 4 inches Deep; 20 to 26 mesh Brass Wire; Weight per dozen about 40 lbs. .... \$36.00

Packed Loose.

## FOUNDRY SPRINKLING CANS.



Per Dozen  
**No. 80**—Made of Galvanized Iron, with Double Bottoms and are Very Strong; Capacity 14 quarts; 12½ inches High; Length of Spout 14 inches; Weight per dozen about 50 lbs. .... \$30.00

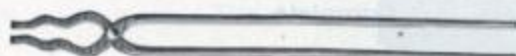
## MOULDERS' SPRAY CANS.



Per Dozen  
**No. 105B**—BRASS; 3¼ inches High; Weight per dozen about 6 lbs. .... \$18.00  
**No. 105T**—ENAMELED TIN; 3¼ inches High; Weight per dozen about 6 lbs. .... 9.00

# PICK-UP TONGS.

Brass Moulders'.



Steel, Hand Made; Plain Finish.

No. 220—Length 4 feet; Weight each about 8 lbs. Each \$10.00

# MORTARS AND PESTLES.



Cast Iron.

Each  
 No. 8—Capacity 1 Gallon; Diameter over Top 9½ inches; Depth inside, 9 inches.....\$15.00  
 No. 9—Capacity 2 Gallons; Diameter over Top 11 inches; Depth inside, 8 inches..... 20.00  
 No. 10—Capacity 3½ Gallons; Diameter over Top 13½ inches; Depth inside, 12 inches..... 40.00  
 Average Weight Each about 90 lbs.

# INGOT MOULDS.



Malleable Iron.

No. 212—Inside Measure 13x3½x2½ inches; Weight each about 21 lbs. Each \$4.00

Packed Loose.

# IRON FLASK CLAMPS.

THOMPSON'S ADJUSTABLE.



Save time and do away with Wooden Wedges; The most Practical and Economical Flask Clamps on the market.

| Nos.          | 1      | 2     | 3     | 4     | 5     | 6     | 7     |
|---------------|--------|-------|-------|-------|-------|-------|-------|
| Length, in... | 10     | 14    | 18    | 24    | 30    | 36    | 42    |
| Per dozen...  | \$9.60 | 12.00 | 14.40 | 16.80 | 20.40 | 24.00 | 31.20 |

Average Weight per Dozen about 60 lbs.

# SNAP FLASK.

THE BERMAYER.



Perfect Acting and Reliable; Always Ready; Hardwood, with Malleable Iron Trimmings.

Each  
 All Sizes up to 16 by 16 inch.....\$6.00  
 Larger than 16 by 16 inch..... 8.00

NOTE.—These Flasks are made to order. When ordering, STATE SIZE (INSIDE MEASUREMENTS), DEPTH OF COPE AND NOWEL OR DRAG.

NEW DIAMOND.



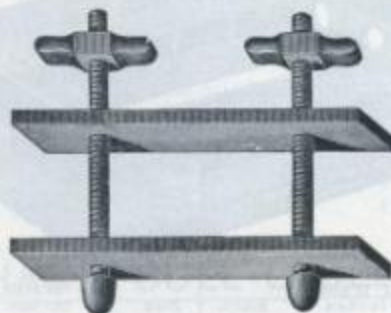
Hardwood, with Malleable Trimmings.

Each  
 All Sizes up to 16 by 16 inch.....\$6.00  
 Larger than 16 by 16 inch..... 8.00

NOTE.—These Flasks are made to order. When ordering, STATE SIZE (INSIDE MEASUREMENTS), DEPTH OF COPE AND NOWEL OR DRAG.

## WOODEN FLASK CLAMPS.

For Iron Flasks.



Per Dozen

|                                                                                                                                                     |         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| No. 0—Bars 12 inches between Screws; 2½ inches Wide; 1 inch Thick; Screws 15 inches under Head; 1 inch in Diameter; Nuts 6 inches Long.....         | \$14.00 |
| No. 1—Bars 16 inches between Screws; 2¾ inches Wide; 1¼ inches Thick; Screws 16 inches under Head; 1¼ inches in Diameter; Nuts 6 inches long.....   | 18.00   |
| No. 2—Bars 16½ inches between Screws; 2¾ inches Wide; 1¼ inches Thick; Screws 16 inches under Head; 1¼ inches in Diameter; Nuts 8½ inches Long..... | 27.00   |
| No. 3—Bars 22 inches between Screws; 2¾ inches Wide; 1½ inches Thick; Screws 16 inches under Head; 1½ inches in Diameter; Nuts 8½ inches Long.....  | 27.00   |

Packed Loose; Weight per Dozen about 50 lbs.

## LEATHER PATTERN FILLETS.



Sizes run in Sixteenths from 1/16 to 3/8; in Eighths from 3/8 to 1 inch.

The Flexible Leather Fillet can be applied to any Corner and is as easily handled upon a Compound Curve as in a Straight Line. It is not affected by Heat, Cold or Moisture any more than is the Pattern itself, while its Lightness, Durability and Neatness make it the most desirable Fillet on the market. It is furnished in Lengths of 4 and 5 feet and put up in Bunches of 100 feet each, ready for shipment by mail or express.

| Nos.           | 1      | 2    | 3    | 4    | 5    | 6    | 8    | 10    | 12    | 14    | 16    |
|----------------|--------|------|------|------|------|------|------|-------|-------|-------|-------|
| Radius, inches | 1/16   | 1/8  | 3/16 | 1/4  | 5/16 | 3/8  | 1/2  | 5/8   | 3/4   | 7/8   | 1     |
| Per 100 feet   | \$2.00 | 2.00 | 3.00 | 4.00 | 5.00 | 6.00 | 8.00 | 10.00 | 12.00 | 14.00 | 16.00 |

## WOOD PATTERN FILLETS.

Made in Eleven Sizes, viz., from 1/4 to 2 inch Radius, in 3 feet Lengths. It is made of the Best Clear White

Pine, Kiln-dried and Free from Knots, Sap and Blemishes; Works in Cove to Better Edge.

| Nos.           | 4      | 6    | 8    | 10   | 12   | 14   | 16   | 20    | 24    | 28    | 32    |
|----------------|--------|------|------|------|------|------|------|-------|-------|-------|-------|
| Radius, inches | 1/4    | 3/8  | 1/2  | 5/8  | 3/4  | 7/8  | 1    | 1 1/4 | 1 1/2 | 1 3/4 | 2     |
| Per 100 feet   | \$2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 10.50 | 12.00 | 13.00 | 15.00 |

NOTE.—ALWAYS ORDER BY NUMBER AND BE SURE TO STATE WHETHER WOOD OR LEATHER IS WANTED. Use Wood Fillet for Straight Work, and Leather Fillet of same number for all Curved Lines.

Packed in Light Wooden Cases. 33 Yards is the Smallest Quantity for which we will accept orders. This Material is Very Light and can be Sent by Mail or Express.

# RIBBED AND BEVELED IRON FLASKS.

Brass Moulders' Improved.



| Nos. | Width, inches. | Length, inches. | Depth of Whole Flask, inches. | Each.  | Nos. | Width, inches. | Length, inches. | Depth of Whole Flask, inches. | Each.  |
|------|----------------|-----------------|-------------------------------|--------|------|----------------|-----------------|-------------------------------|--------|
| 1    | 8              | 8               | 6                             | \$5.00 | 43   | 12             | 16              | 5                             | \$5.50 |
| 2    | 8              | 20              | 26                            | 7.00   | 44   | 12             | 16              | 5½                            | 5.00   |
| 3    | 8              | 40              | 5                             | 9.50   | 45   | 12             | 16              | 6                             | 6.00   |
| 4    | 9              | 12              | 7½                            | 6.00   | 46   | 12             | 16              | 7                             | 6.00   |
| 5    | 9              | 12              | 4                             | 4.00   | 47   | 12             | 16              | 8                             | 7.00   |
| 6    | 10             | 12              | 5                             | 4.50   | 48   | 12             | 16              | 9                             | 10.00  |
| 7    | 10             | 12              | 6                             | 5.00   | 49   | 12             | 17              | 3                             | 5.50   |
| 8    | 10             | 12              | 9                             | 6.00   | 50   | 12             | 30              | 5                             | 9.50   |
| 9    | 10             | 15              | 4                             | 5.00   | 51   | 12             | 30              | 6                             | 9.50   |
| 10   | 10             | 15              | 5                             | 5.00   | 52   | 12             | 30              | 7                             | 10.00  |
| 11   | 10             | 15              | 6                             | 5.50   | 53   | 12             | 36              | 5                             | 11.00  |
| 12   | 10             | 17              | 6                             | 6.00   | 54   | 12½            | 18              | 4½                            | 6.00   |
| 13   | 10             | 17              | 7                             | 6.50   | 55   | 12½            | 18              | 5                             | 6.00   |
| 14   | 10             | 17              | 8                             | 7.00   | 56   | 12½            | 18              | 5½                            | 6.50   |
| 15   | 10             | 18              | 6                             | 6.50   | 57   | 12½            | 18              | 6                             | 6.50   |
| 16   | 10             | 27              | 5                             | 8.50   | 58   | 12½            | 18              | 6½                            | 6.50   |
| 17   | 10             | 27              | 6                             | 8.50   | 59   | 12½            | 18              | 7                             | 7.00   |
| 18   | 10             | 27              | 7                             | 9.00   | 60   | 12½            | 18              | 8                             | 8.00   |
| 19   | 10             | 27              | 8                             | 9.00   | 61   | 12½            | 18              | 9                             | 8.50   |
| 20   | 11             | 14              | 4                             | 5.00   | 62   | 12½            | 18              | 10                            | 9.00   |
| 21   | 11             | 14              | 4½                            | 5.25   | 63   | 12½            | 18              | 12                            | 10.00  |
| 22   | 11             | 14              | 5                             | 5.00   | 64   | 12½            | 20½             | 5                             | 6.50   |
| 23   | 11             | 14              | 5½                            | 5.25   | 65   | 12½            | 20½             | 5½                            | 6.75   |
| 24   | 11             | 14              | 6                             | 5.50   | 66   | 12½            | 20½             | 6                             | 7.00   |
| 25   | 11             | 14              | 8                             | 6.50   | 67   | 12½            | 20½             | 6                             | 7.00   |
| 26   | 11             | 15              | 4                             | 5.00   | 68   | 12½            | 20½             | 7                             | 7.50   |
| 27   | 11             | 16              | 4                             | 5.00   | 69   | 12½            | 20½             | 8                             | 8.50   |
| 28   | 11             | 16              | 5                             | 5.00   | 70   | 12½            | 20½             | 9                             | 9.50   |
| 29   | 11             | 16              | 5½                            | 5.25   | 71   | 12½            | 20½             | 10                            | 10.50  |
| 30   | 11             | 16              | 6                             | 5.50   | 72   | 13             | 16              | 5                             | 7.00   |
| 31   | 11             | 16              | 6½                            | 5.75   | 73   | 13             | 16              | 5½                            | 7.00   |
| 32   | 12             | 12              | 6                             | 6.00   | 74   | 13             | 16              | 6                             | 7.00   |
| 33   | 12             | 12              | 8                             | 6.00   | 75   | 13             | 16              | 8                             | 7.50   |
| 34   | 12             | 12              | 9                             | 7.00   | 76   | 14             | 18              | 5                             | 7.00   |
| 35   | 12             | 12              | 9½                            | 9.00   | 77   | 14             | 18              | 6                             | 7.50   |
| 36   | 12             | 12              | 12                            | 10.00  | 78   | 14             | 18              | 7                             | 8.00   |
| 37   | 12             | 14              | 4                             | 5.00   | 79   | 14             | 18              | 10                            | 9.00   |
| 38   | 12             | 14              | 5                             | 5.00   | 80   | 14             | 20              | 5                             | 7.50   |
| 39   | 12             | 14              | 6                             | 5.50   | 81   | 14             | 20              | 6                             | 8.00   |
| 40   | 12             | 14              | 8                             | 6.50   | 82   | 14             | 20              | 7                             | 8.50   |
| 41   | 12             | 16              | 4                             | 5.00   | 83   | 14             | 20              | 7½                            | 8.50   |
| 42   | 12             | 16              | 4½                            | 5.25   | 84   | 14             | 20              | 8                             | 9.00   |

Packed Loose.

Vary in Weight according to Size. The Weight of a 12 by 16 by 6 inch is about 30 lbs. each.

MT



## HAND LADLE BOWLS AND SHANKS.

Cast Iron, with Malleable Iron Shanks.



For Moulders.

|        | Capacity, lbs. | Dia. at Top, inches. | Dia. at Bottom, inches. | Depth, inches. | Weight each about, lbs. | Each.  |
|--------|----------------|----------------------|-------------------------|----------------|-------------------------|--------|
| No. 30 | 30             | 7                    | 6                       | 7              | 13                      | \$4.60 |
| No. 50 | 50             | 8                    | 7                       | 8              | 15                      | 5.00   |
| No. 60 | 60             | 8½                   | 7                       | 8½             | 18                      | 5.80   |

## HAND BULL LADLES.

With Swiveled Shanks.

For Moulders.

|         | Capacity, lbs. | Dia. at Top, inches. | Dia. at Bottom, inches. | Depth, inches. | Weight each about, lbs. | Each.   |
|---------|----------------|----------------------|-------------------------|----------------|-------------------------|---------|
| No. 100 | 100            | 10                   | 8¾                      | 10             | 50                      | \$14.00 |
| No. 150 | 150            | 11                   | 9¾                      | 11             | 60                      | 16.00   |
| No. 200 | 200            | 12                   | 10½                     | 12             | 74                      | 20.00   |
| No. 250 | 250            | 13                   | 11¾                     | 13             | 83                      | 22.00   |
| No. 300 | 300            | 14                   | 12                      | 14             | 88                      | 24.00   |
| No. 400 | 400            | 15                   | 13                      | 15             | 100                     | 28.40   |
| No. 500 | 500            | 16½                  | 14½                     | 16½            | 134                     | 34.40   |

Packed Loose.

## BRASS FOUNDRY FURNACES.



Improved Draft; Cast Dumping Brace; Complete with Brick Lining.

|       | (For Crucibles Nos.) | Diameter, inches. | Height Inside, inches. | Weight each about, lbs. | Each.   |
|-------|----------------------|-------------------|------------------------|-------------------------|---------|
| No. 1 | 10 to 30             | 20                | 25¼                    | 420                     | \$76.00 |
| No. 2 | 35 to 60             | 23                | 28¾                    | 630                     | 84.00   |
| No. 3 | 70 to 100            | 26                | 31¾                    | 800                     | 116.00  |
| No. 4 | 125 to 300           | 32                | 37¾                    | 1050                    | 140.00  |

## CUPOLAS. THE WHITING.



The Heaviest and Best Designed Cupola on the market.

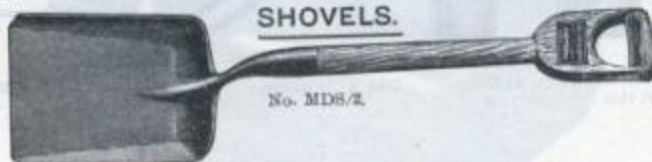
Specification Blanks Furnished on Application, and Price Quoted on receipt of Specifications Showing Measurements.

## SHOVELS AND SPADES.

MAYNARD.

BLADE, NECK AND SOCKET FORGED, BY PATENT PROCESS, FROM ONE PIECE OF HIGHEST GRADE CRUCIBLE STEEL; Thick Center Blade, Oil Tempered and Hardened; Neck 1 inch in Diameter; Closed Socket 6 1/2 inches Long, fitted with Highest Grade White Ash or Maple Handles, Securely Wedged into the Socket.

Made of One Piece  
of High Grade Crucible  
Steel.



## SHOVELS.

No. MDS/2.

Universally Recognized  
as the Highest  
Grade Shovels and  
Spades made in America.

D-Handle, Dirt.

## No. MDS/2—SQUARE POINT, POLISHED.

Blade 11 1/4 inches Long, 9 1/2 inches  
Wide; Handle, Socket and Neck, 26 1/2 inches  
Long; Weight per dozen about 64 lbs. ....\$16.50

Per Dozen

## No. MDR2—ROUND POINT, POLISHED, Blade

11 1/4 inches Long, 9 1/2 inches Wide;  
Handle, Socket and Neck, 26 1/2 inches Long;  
Weight per dozen about 64 lbs. ....\$16.50

Per Dozen



No. MLS/2.

Long Handle.

## No. MLS/2—DIRT; SQUARE POINT, POLISHED.

Blade 11 1/4 inches Long, 9 1/2 inches  
Wide; Handle, Socket and Neck, 48 inches  
Long; Weight per dozen about 66 lbs. ....\$16.50

Per Dozen

## No. MLR2—DIRT; ROUND POINT, POLISHED,

Blade 11 1/4 inches Long, 9 1/2 inches Wide;  
Handle, Socket and Neck, 48 inches Long;  
Weight per dozen about 66 lbs. ....\$16.50

Per Dozen

No. MLHR2—EXTRA HEAVY; RICE: ROUND  
POINT, POLISHED, Blade 11 1/4 inches

Long, 9 1/2 inches Wide; Handle, Socket and  
Neck, 48 inches Long; Weight per dozen about  
72 lbs. .... 18.50

The Blades are Rolled  
thicker in the Center than  
at the Edges, giving Great  
Stiffness where Rigidity  
is Most Needed.



PEERLESS, D-Handle, Dirt; Tapering Blade.

No. MPDS/2—SQUARE POINT, POLISHED, Blade 12 1/4 inches Long, 9 1/4 inches Wide at Top; 8 3/4 inches  
Wide at Point; Handle, Socket and Neck, 26 1/2 inches Long; Weight per dozen about 66 lbs. ....\$16.50

Per Dozen



PEERLESS, Long Handle, Dirt; Tapering Blade.

No. MPLS/2—SQUARE POINT, POLISHED, Blade 12 1/4 inches Long, 9 1/4 inches Wide at Top; 8 3/4 inches  
Wide at Point; Handle, Socket and Neck, 48 inches Long; Weight per dozen about 72 lbs. ....\$16.50

Per Dozen



## RAILROAD TAMPING.

Malleable Tamping D-Handle.

No. MTS/20—SQUARE POINT, BLACK, Blade 11 1/4 inches Long, 9 1/2 inches Wide; Handle, Socket and Neck,  
27 1/2 inches Long; Weight per dozen about 78 lbs. ....\$16.50

Per Dozen

One-half Dozen in a Bundle.

## SHOVELS AND SPADES.

MAYNARD'S.

BLADE, NECK AND SOCKET FORGED, BY PATENT PROCESS, FROM ONE PIECE OF HIGHEST GRADE CRUCIBLE STEEL; Full Polished Thick Center Blade, Oil Tempered and Hardened; Neck 1 inch in Diameter; Closed Socket  $6\frac{1}{2}$  inches Long; Fitted with Highest Grade White Ash or Maple Handles; Securely Wedged into the Socket.

## SHOVELS.



No. MDM2

## MOULDERS'.

Light D-Handle.

No. MDL2—SQUARE POINT, POLISHED, Blade  
11 $\frac{1}{2}$  inches Long, 9 $\frac{1}{2}$  inches Wide;  
Handle, Socket and Neck, 26 $\frac{1}{2}$  inches Long;  
Weight per dozen about 62 lbs.....\$16.50

Medium D-Handle.

No. MDM2—SQUARE POINT, POLISHED, Blade  
11 $\frac{1}{2}$  inches Long, 9 $\frac{1}{2}$  inches Wide;  
Handle, Socket and Neck, 26 $\frac{1}{2}$  inches Long;  
Weight per dozen about 73 lbs.....\$16.50



LONG HANDLE, GOLD AND SILVER  
MINERS', With Half Spring Blade.

No. MHS/2—ROUND POINT, POLISHED, Blade  
11 $\frac{1}{2}$  inches Long, 9 $\frac{1}{2}$  inches Wide;  
Handle, Socket and Neck, 48 inches Long;  
Weight per dozen about 69 lbs.....\$16.50

## FINCH'S.

SOCKET STRAP PATTERN; Blade and Straps Forged from High Carbon Steel, Full Polished Blade, Carefully Tempered; Fitted with High Grade Ash Handles.

## SHOVELS.



D-Handle, MOULDERS'.

No. FDM2—SQUARE POINT, POLISHED, Blade 12 inches Long, 10 inches Wide; Handle 26 inches Long;  
Weight per dozen about 64 lbs.....\$12.00  
One-half Dozen in a Bundle.

## SHOVELS.



No. MLI/2

LONG HANDLE, IRRIGATING.

ROUND POINT, POLISHED, Blade 11 $\frac{1}{2}$  inches  
Long, 9 $\frac{1}{2}$  inches Wide; Handle, Socket and Neck, 48  
inches Long.

No. MLI/2—Medium Lift, 4 $\frac{1}{2}$  inches.....\$16.50  
No. MLIH2—High Lift, 5 $\frac{1}{2}$  inches.....16.50  
Weight per Dozen about 60 lbs.

## SPADES.



D-Handle.

No. MSDS/2—SQUARE POINT, POLISHED, Blade  
11 $\frac{1}{2}$  inches Long, 7 $\frac{1}{2}$  inches Wide;  
Handle, Socket and Neck, 27 inches Long;  
Weight per dozen about 62 lbs.....\$16.50



Long Handle.

No. MSL2—SQUARE POINT, POLISHED, Blade  
12 inches Long, 7 $\frac{1}{2}$  inches Wide; Han-  
dle, Socket and Neck, 48 inches Long;  
Weight per dozen about 68 lbs.....\$16.50



## SHOVELS AND SPADES.

### CASTLENS.

PLAIN BACK PATTERN: Blade Forged from Medium Grade Steel, with Straps Securely Welded on; Fitted with Medium Grade Ash Handles.

### SHOVELS.



No. CDS/20.

D-Handle, Dirt.

No. CDS/20—SQUARE POINT, BLACK, Blade 11½ inches Long, 9½ inches Wide; Handle 26½ inches Long; Weight per dozen about 58 lbs. .... \$11.50

No. CDS/2—SQUARE POINT, POLISHED, Blade 11½ inches Long, 9½ inches Wide; Handle 26½ inches Long; Weight per dozen about 58 lbs. .... 11.50

No. CDR2—ROUND POINT, POLISHED, Blade 11½ inches Long, 9½ inches Wide; Handle 26½ inches Long; Weight per dozen about 55 lbs. .... 11.50



No. CLR2.

Long Handle, Dirt.

No. CLS/2—SQUARE POINT, POLISHED, Blade 11½ inches Long, 9½ inches Wide; Handle 51 inches Long; Weight per dozen about 62 lbs. .... \$11.50

No. CLR2—ROUND POINT, POLISHED, Blade 11½ inches Long, 9½ inches Wide; Handle 51 inches Long; Weight per dozen about 58 lbs. .... 11.50

### SPADES.



No. CSD2.

D-Handle.

No. CSD2—SQUARE POINT, POLISHED, Blade 12 inches Long, 7½ inches Wide; Handle 27 inches Long; Weight per dozen about 58 lbs. .... \$11.50

Long Handle.

No. CSL2—SQUARE POINT, POLISHED, Blade 12 inches Long, 7½ inches Wide; Handle 51 inches Long; Weight per dozen about 58 lbs. .... \$11.50

### CLAYBANK.

HOLLOW BACK PATTERN; One Piece Medium Grade Steel Blade and Socket; Fitted with Medium Grade Ash Handle.

### SHOVELS.



No. CCDS/2.

D-Handle, Dirt.

Per Dozen

No. CCDS/2—SQUARE POINT, POLISHED, Blade 11½ inches Long, 9½ inches Wide; Handle 27 inches Long; Weight per dozen about 58 lbs. .... \$12.50

No. CCR2—ROUND POINT, POLISHED, Blade 13 inches Long, 9½ inches Wide; Handle 27½ inches Long; Weight per dozen about 56 lbs. .... 13.50



No. CCLR/2.

Long Handle, Dirt.

Per Dozen

No. CCLS/2—SQUARE POINT, POLISHED, Blade 11½ inches Long, 9½ inches Wide; Handle 52 inches Long; Weight per dozen about 64 lbs. .... \$12.50

No. CCLR2—ROUND POINT, POLISHED, Blade 12 inches Long, 9½ inches Wide; Handle 52 inches Long; Weight per dozen about 66 lbs. .... 12.50

No. CCDC/10.  
COAL.

D-Handle, 27 inches Long; Square Point; Black.

| No.              | CCDC10    | CCDC20    | CCDC30    |
|------------------|-----------|-----------|-----------|
| Size             | 1         | 2         | 3         |
| Blade, inches    | 13½ x 13½ | 14½ x 14½ | 15½ x 14½ |
| Weight per dozen | 78        | 80        | 84        |
| Per dozen        | \$12.60   | 14.50     | 16.15     |

### SPADES.



D-Handle.

Per Dozen

No. CCSD2—SQUARE POINT, POLISHED, Blade 12 inches Long, 7½ inches Wide; Handle 27 inches Long; Weight per dozen about 67 lbs. .... \$10.00

One-half Dozen in a Bundle.

TRADE MARK  
"FAULTLESS" AND  
"CLAYBANK,"  
REGISTERED

MT



## GRAIN SCOOPS.



No. BDW1.

FAULTLESS\*.

Have the Proper  
Shape. Made of the  
Best Material. Select-  
ed Handles.

HOLLOW BACK PATTERN; One Piece, High Carbon Steel, Blade and Socket; Fitted with High Grade Ash Handle.

WESTERN PATTERN, D-Handle, Full Polished.

| Nos.                         | BDW4    | BDW5  | BDW6  | BDW7  | BDW8  | BDW9  | BDW10 | BDW12 |
|------------------------------|---------|-------|-------|-------|-------|-------|-------|-------|
| Size                         | 4       | 5     | 6     | 7     | 8     | 9     | 10    | 12    |
| Length of Blade, inches      | 15½     | 16    | 16½   | 17    | 17½   | 18    | 18½   | 19½   |
| Width of Blade, inches       | 12½     | 13½   | 14    | 14½   | 14½   | 14½   | 15    | 15½   |
| Length of Handle, inches     | 27½     | 27½   | 27½   | 27½   | 27½   | 27½   | 27½   | 27½   |
| Weight per dozen about, lbs. | 78      | 84    | 88    | 90    | 92    | 94    | 96    | 104   |
| Per dozen                    | \$15.50 | 16.50 | 17.35 | 18.25 | 19.25 | 20.75 | 22.25 | 23.50 |

EASTERN PATTERN, D-Handle, Half Polished.

| Nos.                         | BDE20   | BDE30 |
|------------------------------|---------|-------|
| Size                         | 2       | 3     |
| Length of Blade, inches      | 15      | 15½   |
| Width of Blade, inches       | 11      | 11½   |
| Length of Handle, inches     | 26½     | 26½   |
| Weight per dozen about, lbs. | 74      | 78    |
| Per dozen                    | \$13.25 | 14.00 |

## FURNACE SCOOPS.



CLAYBANK\*.

HOLLOW BACK PATTERN; One Piece, Medium Grade Steel, Blade and Socket; Fitted with Medium Grade Ash Handle.

Furnace; D-Handle; 16 Gauge.

|                                                                                                          |                      |
|----------------------------------------------------------------------------------------------------------|----------------------|
| No. C—BLACK; Blade 14 inches Long, 9¼ inches Wide; Handle 27 inches Long; Weight per dozen about 64 lbs. | Per Dozen<br>\$12.00 |
|----------------------------------------------------------------------------------------------------------|----------------------|



No. AF0.

AETNA\*.

RIVETED BACK PATTERN; Blade Forged from Medium Grade Steel, with Straps Securely Riveted On; Black Finish; Fitted with Medium Grade Ash Handle.

D-Handle; Square Point; 16 Gauge.

|                                                                                                      |                      |
|------------------------------------------------------------------------------------------------------|----------------------|
| No. AF0—Blade 14 inches Long, 9 inches Wide; Handle 27 inches Long; Weight per dozen about 64 lbs.   | Per Dozen<br>\$12.00 |
| No. AF1—Blade 15 inches Long, 10½ inches Wide; Handle 27 inches Long; Weight per dozen about 70 lbs. | 15.00                |
| One-half Dozen in a Bundle.                                                                          |                      |

-643-  
**BARROWS.**

**RUN EASY\*; CONTRACTORS'.**

Hardwood Frame and Legs, Extra Steel Braced and Bolted; Pressed, 16 Gauge Sheet Steel Tray, with Turned Wired Edges, Bolted to Frame; 16½ inch Steel Wheel; Capacity 4 cubic feet; Tray 28 inches Wide; 36 inches Long; 14 inches Greatest Depth; Height 26 inches.

Per Dozen

**No. 17—RUN EASY\*; PAINTED BROWN, WITH-OUT EXTENDED HANDLES;** Length over all 66 inches; Weight each about 60 lbs. ....\$60.00



Extra Heavy. Extra Braced and Bolted. The Best for Contractors, Graders, Etc.

**RUN EASY\*; CONTRACTORS'.**

Per Dozen

**No. 27—RUN EASY\*; Hardwood Frame; Bent Angle Steel Legs, Extra Braced and Bolted; Pressed 16 Gauge Sheet Steel Tray, Painted Brown, with Turned and Wired Edges, Bolted and Riveted to Frame; 16 inch Steel Wheel; Capacity 4 Cubic feet; Tray 28½ inches Wide; 35½ inches Long; Height 21½ inches; Length over all 62 inches; Weight each about 65 lbs.\$80.00**

**RUN EASY\*; CONCRETE.**

Bent Angle Steel Legs, Extra Steel Braced and Bolted at Front and Back; Pressed 16 Gauge Extra Large Sheet Steel Tray, with Turned Wired Edges, Bolted to Frame; 17½ inch Japanned Steel Wheel; Capacity 4 Cubic feet; Tray 25 inches Wide; 37 inches Long; 17½ inches Greatest Depth; Height 25 inches.

Per Dozen

**No. 29—RUN EASY\*, PAINTED BROWN, WITH HANDLES EXTENDED in Front of Wheel to afford Dumping Fulcrum and to protect Wheel; Length over all 65 inches; Weight each about 70 lbs.....\$75.00**  
One-twelfth Dozen in a Bundle; Knocked Down.



TRADE MARKS:  
"HERCULES"  
AND  
"RUN EASY,"  
REGISTERED.

**K. & J. CONTRACTORS'; EXTRA STRONG.**

Per Dozen

**No. 2B—Hardwood Frame; Tipped Handle Extension; Painted Brown; Bent Angle Steel Legs, Extra Braced and Bolted, Painted Black; Pressed 15 Gauge Steel Tray with Turned and Wired Edges, Bolted and Riveted to Frame; Heavy Tray Braces; Tray 28½ inches Wide, 38½ inches Long; 8½ inches Greatest Depth; Capacity 4 Cubic Feet; Painted Brown; Extreme Height 26 inches; Extreme Length 65 inches; Weight each about 75 lbs.....\$90.00**



Are Made of Selected Material and are Built to Stand the Wear and Tear of Mining and Contractors' Work.

No. H4.

**HERCULES\*; CONTRACTORS'.**

All Steel; Pressed Sheet Steel Tray, with Turned Wired Edges, Bolted and Riveted to One-piece Tubular Bent Handles; Steel Legs and Braces; 16½ inch Steel Wheel; Handles Extend in Front of Wheel to afford Dumping Fulcrum and protect Wheel; Painted Dark Maroon.

| Nos.                     | H 4     | H 6      | H 10     |
|--------------------------|---------|----------|----------|
| Capacity, cubic ft.....  | 3       | 4        | 6        |
| Steel Tray, Gauge.....   | 15      | 15       | 14       |
| Size of Tray, in.....    | 27x31x6 | 28x35½x7 | 33½x42x9 |
| Length over all, in..... | 68      | 68       | 68       |
| Height, inches.....      | 19½     | 21½      | 25½      |
| Wgt. each about lbs..... | 60      | 68       | 81       |
| Each.....                | \$10.75 | 14.25    | 20.00    |

**NOTE—No. H10 is particularly suitable for handling Coal and Coke.**

One-twelfth Dozen in a Bundle; Knocked Down.

**BARROW WHEELS.**

Extra Wheels for **RUN EASY\*** Contractors' Barrows.

Per Dozen

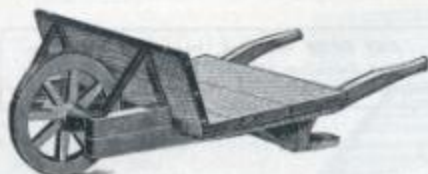
**No. 17W—STEEL WHEELS, 16 inches Diameter;**  
For Nos. 17 and 17½; Weight per dozen  
about 150 lbs. ....\$18.00  
Packed Loose.

MT



TRADE MARK:  
"CUMBERLAND"  
REGISTERED.

## STONE BARROWS.



Extra Heavy, Steel Braced and Bolted, Hardwood Frame and Handles; Hardwood Bottom and Front, Steel Bound; Extra Heavy Wood Wheels; Painted Red and Varnished.

**No. 13**—TOLEDO; Bent Handles; Length over all 73 inches; Height 14 inches; Tray 27 inches Wide, 29 inches Long; With Front Piece 6 inches Deep; Wheel 21 inches Diameter, with 1½ inch Steel Tire; Weight per dozen about 744 lbs. ....\$69.00

One-twelfth Dozen in a Bundle; Knocked Down.



Extra Heavy, Hardwood, Painted Red; Frame Heavily Ironed and Full Bolted; Bent Handles; Non-turning Axle Bolt; Iron-Strapped Bed.

**No. MS**—Steel Wheel, Painted Black, with 1½ inch Wide Heavy Tire, 17½ inches Diameter; Width of Tray 27 inches, Length 27 inches; Length over all 81½ inches; Height 18½ inches; Weight per dozen about 840 lbs...\$48.00

## HANDLES.



SINGLE BIT; Axe; Scroll End; Medium Size.



SINGLE BIT; Axe; Plain End; Medium Size.

HAND SHAVED FINISH; Made from Second Growth Swamp Hickory Butts; Standard Pattern; Extra Belted Finish and Thoroughly Seasoned.

### CUMBERLAND\*.

|                                                                     | Per Dozen |
|---------------------------------------------------------------------|-----------|
| <b>No. CSXXX</b> —FIRST SELECTION; Octagon; 36 inches Long. ....    | \$11.50   |
| <b>No. CSXXX34</b> —MEDIUM SELECTION; Octagon; 34 inches Long. .... | 9.40      |
| <b>No. CSXXX36</b> —MEDIUM SELECTION; Octagon; 36 inches Long. .... | 9.40      |
| <b>No. CSX</b> —THIRD SELECTION; Octagon; 36 inches Long. ....      | 7.20      |
| <b>No. CSAA</b> —FIRST SELECTION; Oval; 36 inches Long. ....        | 11.50     |
| <b>No. CSA34</b> —MEDIUM SELECTION; Oval; 34 inches Long. ....      | 9.40      |
| <b>No. CSA36</b> —MEDIUM SELECTION; Oval; 36 inches Long. ....      | 9.40      |
| <b>No. CSI</b> —THIRD SELECTION; Oval; 36 in. Long. ....            | 7.20      |

Weight per Crate, 34 inch, about 40 lbs.; Weight per Crate, 36 inch, about 44 lbs.

### CUMBERLAND\*.

SINGLE BIT; Axe; Plain End; Extra Heavy.

|                                                                  | Per Dozen |
|------------------------------------------------------------------|-----------|
| <b>No. CHXX</b> —MEDIUM SELECTION; Octagon; 36 inches Long. .... | \$8.60    |
| <b>No. CHX</b> —THIRD SELECTION; Octagon; 36 inches Long. ....   | 6.50      |
| <b>No. CHA</b> —MEDIUM SELECTION; Oval; 36 inches Long. ....     | 8.60      |

Weight per Crate about 48 lbs.

### CUMBERLAND\*.

DOUBLE BIT; Axe; Plain End; Medium Size.

|                                                                  | Per Dozen |
|------------------------------------------------------------------|-----------|
| <b>No. CDXX</b> —MEDIUM SELECTION; Octagon; 36 inches Long. .... | \$7.20    |
| <b>No. CDA</b> —FIRST SELECTION; Oval; 36 inches Long. ....      | 9.00      |
| <b>No. CDA</b> —MEDIUM SELECTION; Oval; 36 inches Long. ....     | 7.20      |
| <b>No. CDI</b> —THIRD SELECTION; Oval; 36 inches Long. ....      | 5.40      |

Weight per Crate about 45 lbs.



OVAL; COAL MINERS' PICK.

### CUMBERLAND\*.

|                                                                                                                         | Per Dozen |
|-------------------------------------------------------------------------------------------------------------------------|-----------|
| <b>No. CMP</b> —Medium Selection; 34 inches Long; Light Body, Medium Eye, 3x¼ inch; Weight per crate about 45 lbs. .... | \$2.25    |

Two Dozen in a Crate.



OVAL; DRIFTING PICK. Per Dozen

|                                                                                                                                           |        |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>No. CDP</b> —FORTY-NINER PATTERN; Medium Selection; 34 inches Long; Extra Heavy, with Button Head; Weight per crate about 60 lbs. .... | \$4.00 |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------|

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER.  
REGISTERED.

## HANDLES.

KEEN KUTTER Handles, Highest Grade Timber, Genuine Hand Made, Thoroughly Seasoned, Superior Finish.

## KEEN KUTTER®.

GENUINE HAND-MADE, on the Old Wooden Horse, from Highest Grade all White Second Growth Bastard Cut Swamp Hickory Butts; Extra Seasoned; Carefully Inspected and Warranted Uniform; Extra Belted; Wax Finished; Labeled and Stamped; Wrapped in Paper and Securely Crated.



No. KX36.

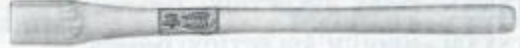
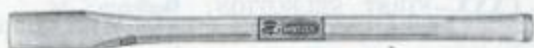


No. KR36.

## SINGLE BIT; Axe; Plain End.

|                                                                                   | Per Dozen |
|-----------------------------------------------------------------------------------|-----------|
| No. KX34—REGULAR PATTERN, OCTAGON; 34 inches Long; Weight per dozen about 26 lbs. | \$12.00   |
| No. KX36—REGULAR PATTERN, OCTAGON; 36 inches Long; Weight per dozen about 28 lbs. | 12.00     |

|                                                                                       | Per Dozen |
|---------------------------------------------------------------------------------------|-----------|
| No. KR34—REGULAR PATTERN, OVAL; 34 inches Long; Weight per dozen about 24 lbs.        | \$12.00   |
| No. KR36—REGULAR PATTERN, OVAL; 36 inches Long; Weight per dozen about 26 lbs.        | 12.00     |
| No. KN36—NORTHERN, SLIM PATTERN, OVAL; 36 inches Long; Weight per dozen about 23 lbs. | 12.00     |



## DOUBLE BIT; Axe.

|                                                                                    | Per Dozen |
|------------------------------------------------------------------------------------|-----------|
| No. KDX36—REGULAR PATTERN, OCTAGON; 36 inches Long; Weight per dozen about 26 lbs. | \$12.00   |

|                                                                                 | Per Dozen |
|---------------------------------------------------------------------------------|-----------|
| No. KDR36—REGULAR PATTERN, OVAL; 36 inches Long; Weight per dozen about 23 lbs. | \$12.00   |

One Dozen in a Crate.



## SLEDGE OR SPIKE MAUL; Extra Slim Neck; Oval.

| Nos.                         | KM32   | KM34 | KM36 |
|------------------------------|--------|------|------|
| Length, inches               | 32     | 34   | 36   |
| Weight per dozen about, lbs. | 18     | 20   | 22   |
| Per dozen                    | \$7.00 | 7.90 | 7.90 |

Two Dozen in a Crate.



RAILROAD PICK.



DRIFTING PICK.

|                                                              | Per Dozen |
|--------------------------------------------------------------|-----------|
| No. KRP—OVAL; 36 inches Long; Weight per dozen about 41 lbs. | \$13.90   |

|                                                              | Per Dozen |
|--------------------------------------------------------------|-----------|
| No. KDP—OVAL; 34 inches Long; Weight per dozen about 29 lbs. | \$12.00   |



## CARPENTER'S ADZE.

|                                                                                 | Per Dozen |
|---------------------------------------------------------------------------------|-----------|
| No. KA34—OVAL; 34 inches Long; with Squared Eye; Weight per dozen about 28 lbs. | \$12.00   |

One Dozen in a Crate.

TRADE MARKS:  
E. C. SIMMONS' KEEN KUTTER  
"NONPAREIL"  
REGISTERED.

-652-  
**HANDLES.**



MADE FROM HIGHEST GRADE all White Second Growth, Bastard Cut, Swamp Hickory Butts. Extra Seasoned, Carefully Inspected and Warranted Uniform; Extra Belted. Wax Finished and Labeled. Wrapped in Tissue Paper and Paper and Boxed.



**LATHING HATCHET.**

Per Dozen  
No. KL13—KEEN KUTTER\* 13½  
INCHES LONG;  
Slim Neck, Swell End; for  
Underhill Pattern Lathing  
Hatchets; Weight per dozen  
about 5 lbs. \$2.30  
One Dozen in a Cardboard Box.

**ADZE EYE; TACK HAMMER. KEEN KUTTER\***

Per Dozen  
No. K11—KEEN KUTTER\*: 11 INCHES LONG; for  
KEEN KUTTER\* Nos. K400, K500 and Bay State  
Nos. 600 and 650 Tack Hammers; Weight per  
dozen about 2 lbs. \$2.30

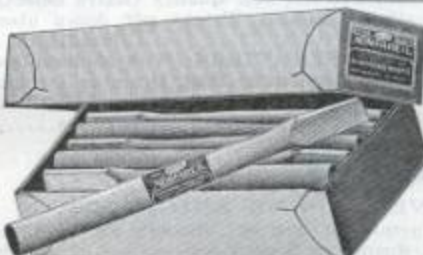
**ADZE EYE; NAIL HAMMER.**

| Nos.                         | K12     | K13     | K14      |
|------------------------------|---------|---------|----------|
| Length, inches               | 12      | 13      | 14       |
| For Nail Hammers, Sizes      | 3 and 4 | 2 and 3 | 1 and 1½ |
| Weight per dozen about, lbs. | 3¾      | 4¾      | 5¾       |
| Per dozen                    | \$2.30  | 2.30    | 2.30     |



**SHINGLING HATCHET.**

Per Dozen  
No. KS14—KEEN KUTTER\*: 14 INCHES LONG; for  
Standard Pattern, Sizes 2 and 3 Shing-  
ling. Half or Claw Hatchets; Weight per  
dozen about 5½ lbs. \$2.30  
One Dozen in a Cardboard Box.



MADE FROM EXTRA SELECT, ALL WHITE, Second Growth, Bastard Cut, Swamp Hickory Butts; Thoroughly Seasoned, Smooth Belted Finish.

**NONPAREIL\*.**

**ADZE EYE; NAIL HAMMER.**

Per Dozen  
No. N14—NONPAREIL\*: 14 INCHES LONG; for  
Nail Hammers, Sizes 1 and 1½ \$2.30  
No. N13—NONPAREIL\*: 13 INCHES LONG; for  
Nail Hammers, Size 2 2.30  
Weight per Dozen about 5 lbs.  
One Dozen in a Cardboard Box.



**SHINGLING HATCHET.**

Per Dozen  
No. NS14—NONPAREIL\*: 14 INCHES LONG;  
FOR STANDARD PATTERN, Size 2  
and 3 Shingling. Half or Claw Hatchets;  
Weight per dozen about 5½ lbs. \$2.30

No. NH14—NONPAREIL\*: 14 INCHES LONG;  
FOR HAINES' OR LIGHT PATTERN,  
Size 2 Shingling or Half Hatchets; Weight  
per dozen about 4¾ lbs. 2.30  
One Dozen in a Cardboard Box.



**BROAD HATCHET.**

For KEEN KUTTER Broad Hatchets.

| Nos.                         | KB16   | KB17 |
|------------------------------|--------|------|
| Length, inches               | 16     | 17   |
| Weight per dozen about, lbs. | 6      | 7    |
| Per dozen                    | \$2.50 | 2.75 |



**OVAL EYE; RIVETING HAMMER.**

For KEEN KUTTER Riveting Hammers.

| Nos.                         | KR12   | KR13 | KR14 |
|------------------------------|--------|------|------|
| Length, inches               | 12     | 13   | 14   |
| Weight per dozen about, lbs. | 1½     | 1¾   | 2    |
| Per dozen                    | \$2.30 | 2.30 | 2.30 |

Packed Loose.



**BROAD HATCHET.**

Per Dozen  
No. NBH2—NONPAREIL\*: 17 INCHES LONG;  
for Nos. 2, 3 and 4 Broad or Bench  
Hatchets; Weight per dozen about 7 lbs. \$2.80  
Packed Loose.



**NONPAREIL\*.**

**OVAL EYE; MACHINISTS' HAMMER;  
Spring Neck; Light.**

| Nos.                      | NM14   | NM16 | NM18    | NM20    |
|---------------------------|--------|------|---------|---------|
| Length, inches            | 14     | 16   | 18      | 20      |
| For Machinists' Hammers,  |        |      |         |         |
| Nos.                      | 00     | 0    | 1 and 2 | 3 and 4 |
| Wgt. per doz. about, lbs. | 4¾     | 4¾   | 4¾      | 5       |
| Per dozen                 | \$2.30 | 2.50 | 2.80    | 3.20    |

**OVAL EYE; BLACKSMITHS' HAND HAM-  
MER; Spring Neck; Heavy.**

| Nos.                           | NB16   | NB18 |
|--------------------------------|--------|------|
| Length, inches                 | 16     | 18   |
| For Blacksmiths' Hammers, Nos. | 1      | 2    |
| Weight per dozen about, lbs.   | 6½     | 6¾   |
| Per dozen                      | \$2.50 | 2.80 |



**OVAL EYE; HAND DRILLING HAMMER.**

Per Dozen  
No. ND18—NONPAREIL\*: 18 INCHES LONG;  
Straight Tapering Pattern for No. CHD  
Drilling or Nos. NLS, MRS and OSS Striking  
Hammers; Weight per dozen about 6 lbs. \$2.80  
Packed Loose.



## HANDLES.

HICKORY MACHINE MADE;  
PLAIN BELTED FINISH.

No. SPAA

OVAL; RAILROAD PICK. STANDARD.

Per Dozen

|                                                                           |        |
|---------------------------------------------------------------------------|--------|
| No. SPAA—EXTRA QUALITY; 36 inches Long; Weight per crate about 60 lbs.    | \$9.60 |
| No. SPA—EXCELSIOR QUALITY; 36 inches Long; Weight per crate about 58 lbs. | 7.60   |
| No. SP1—No. 1 QUALITY; 36 inches Long; Weight per crate about 57 lbs.     | 6.40   |
| No. SP2—No. 2 QUALITY; 36 inches Long; Weight per crate about 57 lbs.     | 4.10   |
| No. SP3—No. 3 QUALITY; 36 inches Long; Weight per crate about 60 lbs.     | 3.40   |

OVAL; MATTOCK.

Per Dozen

|                                                                       |        |
|-----------------------------------------------------------------------|--------|
| No. SM1—No. 1 QUALITY; 36 inches Long; Weight per crate about 60 lbs. | \$6.40 |
|-----------------------------------------------------------------------|--------|



No. DXX

Two Dozen in  
a Crate.

No. DSXX

## ECLIPSE\*, D SHOVEL AND SCOOP.

Bent Ash, with Wood D; Smooth Belted Finish; Not Chucked.

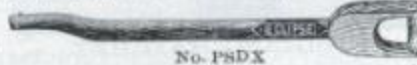
SHOVEL; With Full Double Bend, to fit Plain Back

SCOOP; With Extra Full Single Bend, to fit Samson  
or other Riveted Back or Plain Back Scoops.

| Shovels,<br>Nos.           | DXX               | DX         | DSXX              | DSX        |
|----------------------------|-------------------|------------|-------------------|------------|
| Grade                      | XX (Extra Select) | X (Select) | XX (Extra Select) | X (Select) |
| Length, inches             | 29                | 29         | 30                | 30         |
| Wgt. per dozen about, lbs. | 19                | 19         | 21                | 21         |
| Per dozen                  | \$4.25            | 3.50       | \$4.25            | 3.50       |



No. SDXX

ECLIPSE\*,  
D SPADE.

No. PSDX

Bent Ash, with Wood D; Smooth Belted Finish; Not Chucked.

REGULAR PATTERN; With Slight Double Bend, to  
fit Plain Back Spades.

| Nos.                       | SDXX              | SDX        |
|----------------------------|-------------------|------------|
| Grade                      | XX (Extra Select) | X (Select) |
| Length, inches             | 30                | 30         |
| Wgt. per dozen about, lbs. | 19                | 19         |
| Per dozen                  | \$4.10            | 3.35       |

No. ISDXX—ILLINOIS PATTERN; With Slight  
Double Bend to fit No. ISN2 Illinois  
Nursery Spades; XX Quality (Extra Select);  
Length 32 inches; Weight per dozen about  
21 lbs. \$4.10

No. PSDX—POST PATTERN; With Medium Dou-  
ble Bend to fit Post, Drain or Ditching  
Spades; X Quality (Select); Length 30  
inches; Weight per dozen about 20 lbs. 3.35



No. CXD

## ECLIPSE\*, CHISHOLM PATTERN; SHOVEL, SPADE AND SCOOP.

Select Ash; Slight Single Bend, but sawed for bending further, if desired; Smooth Belted Finish; Not  
Chucked; For Faultless, Claybank or other Hollow Back Shovels, Spades or Scoops. Per Dozen

|                                                                                    |        |
|------------------------------------------------------------------------------------|--------|
| No. CXD—X QUALITY; WOOD D HANDLE; Length 28 inches; Weight per dozen about 19 lbs. | \$3.35 |
| No. CXL—X QUALITY; LONG HANDLE; Length 54 inches; Weight per dozen about 21 lbs.   | 3.00   |



No. LXX

## ECLIPSE\*, LONG SHOVEL AND SPADE.

Bent Ash; Smooth Belted Finish; Not Chucked.

SHOVEL; With Full Double Bend; To fit Plain Back

SPADE; With Slight Double Bend; To fit Plain  
Back Spades.

| Shovels,<br>Nos.           | LXX               | LX         | SLXX              | SLX        |
|----------------------------|-------------------|------------|-------------------|------------|
| Grade                      | XX (Extra Select) | X (Select) | XX (Extra Select) | X (Select) |
| Length, inches             | 54                | 54         | 54                | 54         |
| Wgt. per dozen about, lbs. | 24                | 21         | 23                | 21         |
| Per dozen                  | \$4.00            | 3.00       | \$3.50            | 2.50       |



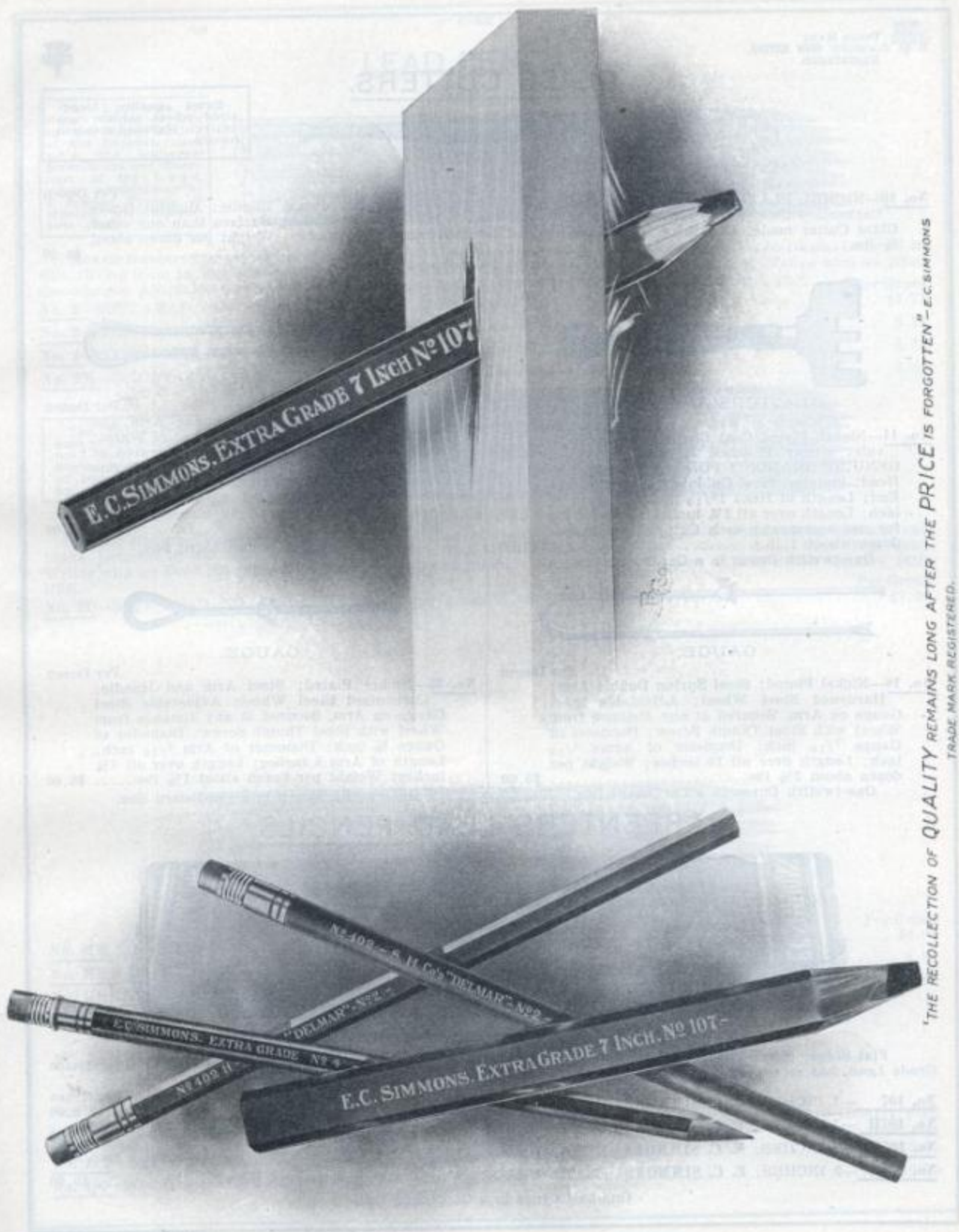
No. ML

## ECLIPSE\*, MAYNARD PATTERN; SHOVEL AND SPADE.

Extra Select Ash; Straight; Smooth Belted Finish; Chucked to fit Socket of Maynard and Challenge Shov-  
els and Spades. Per Dozen

|                                                                                                                          |        |
|--------------------------------------------------------------------------------------------------------------------------|--------|
| No. MD—XX QUALITY; WOOD D HANDLE; Regular Length, 23 inches Long; Weight per dozen about<br>16 lbs.                      | \$4.10 |
| No. MDD—XX QUALITY; WOOD D HANDLE; Extra Length, for No. MSDD2 Spades; 30 inches Long;<br>Weight per dozen about 19 lbs. | 4.10   |
| No. MI—XX QUALITY; LONG HANDLE; 48 inches Long; Weight per dozen about 23 lbs.                                           | 3.50   |

One Dozen in a Bundle.



THE RECOLLECTION OF QUALITY REMAINS LONG AFTER THE PRICE IS FORGOTTEN™—E.C. SIMMONS  
TRADE MARK REGISTERED.

TRADE MARK:  
E. C. SIMMONS' KEEN CUTTER,  
REGISTERED.

## GLASS CUTTERS.



KEEN CUTTER\*

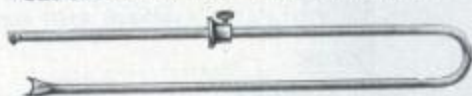
Extra quality large-sized wheel, which runs easier. Polished ebonized handle.

- No. 10—NICKEL PLATED Stampel Steel Frame and Ferrule; Ebonized Hardwood Handle; Highest Grade Carbonized Steel Large Size Wheel, which runs easier and has more Cutting Surface than any other Glass Cutter made; Length of Handle  $3\frac{1}{4}$  inches; Length over all  $5\frac{1}{2}$  inches; Weight per dozen about  $\frac{1}{2}$  lbs. .... \$6.00  
One Dozen in a Cardboard Box.



GLAZIERS' DIAMOND.

- No. 11—Nickel Plated Cast Steel Head and Ferrule; Ebony Finished Hardwood Handle; GENUINE DIAMOND POINT at one end of Head; Polished Steel Guide Wheel at Reverse End; Length of Head  $1\frac{5}{16}$  inches; Width  $\frac{1}{4}$  inch; Length over all  $3\frac{1}{4}$  inches; Instructions for use accompany each Cutter; Weight per dozen about 1 lb. .... \$50.00  
One-twelfth Dozen in a Cardboard Box.



GAUGE.

- No. 18—Nickel Plated; Steel Spring Double Arm; Hardened Steel Wheel; Adjustable Steel Gauge on Arm, Secured at any distance from Wheel with Steel Thumb Screw; Diameter of Gauge  $\frac{7}{16}$  inch; Diameter of Arms  $\frac{3}{16}$  inch; Length over all 10 inches; Weight per dozen about  $2\frac{1}{4}$  lbs. .... \$6.00  
One-twelfth Dozen in a Cardboard Box.



GAUGE.

- No. 36—Nickel Plated; Steel Double Arm and Spring Bow Handle; Hardened Steel Wheel; Adjustable Steel Gauge on Arm, Secured at any distance from Wheel with Steel Thumb Screw; Diameter of Gauge  $\frac{7}{16}$  inch; Diameter of Arms  $\frac{1}{4}$  inch; Length of Arm  $7\frac{1}{2}$  inches; Length over all 10 inches; Weight per dozen about 3 lbs. .... \$12.00  
One Dozen in a Cardboard Box.



GAUGE.

- No. 35—Nickel Plated; Steel Arm and Handle; Carbonized Steel Wheel; Adjustable Steel Gauge on Arm, Secured at any distance from Wheel with Steel Thumb Screw; Diameter of Gauge  $\frac{5}{16}$  inch; Diameter of Arm  $\frac{3}{16}$  inch; Length of Arm 6 inches; Length over all  $7\frac{1}{4}$  inches; Weight per dozen about  $1\frac{1}{2}$  lbs. .... \$6.00  
One-twelfth Dozen in a Cardboard Box.

## CARPENTERS' LEAD PENCILS.



E. C. SIMMONS\* EXTRA GRADE.

Flat Sides; Beveled Edges; Selected Cedar; Nicely Finished in Maroon and Black, Lettered in Gilt; Extra Grade Lead, has an evenness not found in any other Carpenters' Pencil.

- No. 107 —7 INCHES; E. C. SIMMONS\* EXTRA GRADE; Weight per gross about 5 lbs. .... \$ 8.00  
No. 107H —7 INCHES; E. C. SIMMONS\* EXTRA GRADE HARD LEAD; Weight per gross about 5 lbs. .... 8.00  
No. 107VH —7 INCHES; E. C. SIMMONS\* EXTRA GRADE VERY HARD LEAD; Wgt. per gross about 5 lbs. .... 8.00  
No. 109 —9 INCHES; E. C. SIMMONS\* EXTRA GRADE; Weight per gross about 6 lbs. .... 10.00  
One-half Gross in a Cardboard Box.

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**LEAD PENCILS.**

OFFICE.



The Excellence of these Pencils is Due to the High Quality of the Graphite used and the Universal Smoothness and Evenness of the Lead, which is Obtained by a Special Process of Making the Ingredients used.

**E. C. SIMMONS\* EXTRA GRADE.**

Round Rubber Tipped, Nickel Plated Ferrule; Finest Cedar, Nicely Finished in Maroon and Black, Lettered in Gilt, Giving them an Extremely High Grade Appearance; Extra Grade Lead, Free From Grit, Writes with an Even Smoothness, Adaptable to any Business; Will give Satisfaction; SHARPENED READY FOR USE.

|                                                                             | Per Gross |
|-----------------------------------------------------------------------------|-----------|
| No. 2—SOFT LEAD, NO. 2 GRADE; Weight per gross about 3 lbs. ....            | \$6.75    |
| No. 3—MEDIUM LEAD, NO. 3 GRADE; Weight per gross about 3 lbs. ....          | 6.75      |
| No. 4—HARD LEAD, NO. 4 GRADE; Weight per gross about 3 lbs. ....            | 6.75      |
| No. 2½—Scratch Book; Lead, NO. 2½ GRADE; Weight per gross about 2 lbs. .... | 6.00      |

The Entire Product of the Factory for the United States is Controlled and Distributed by us.

**E. C. SIMMONS\* EXTRA GRADE.**

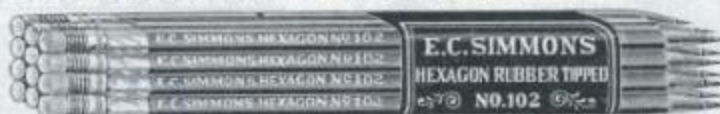
Round Rubber Tipped, Nickel Plated Pencil Point Protector; Finest Cedar, Nicely Finished in Maroon and Black, Lettered in Gilt, Giving them an Extremely High Grade Appearance; Extra Grade Lead, Free from Grit; Writes with an Even Smoothness, Adaptable to any Business; Will Give Satisfaction; SHARPENED READY FOR USE.

|                                                                   | Per Gross |
|-------------------------------------------------------------------|-----------|
| No. 2P—SOFT LEAD, NO. 2 GRADE; Weight per gross about 3 lbs. .... | \$7.00    |

**E. C. SIMMONS\* HEXAGON.**

Finest Cedar, Maroon Finish, Gilt Imprint; SHARPENED READY FOR USE.

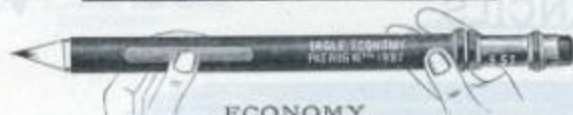
|                                                                             | Per Gross |
|-----------------------------------------------------------------------------|-----------|
| No. HH —MEDIUM SOFT LEAD, NO. 2 GRADE; Weight per gross about 2 lbs. ....   | \$8.00    |
| No. HHH —MEDIUM HARD LEAD, NO. 3 GRADE; Weight per gross about 2½ lbs. .... | 8.00      |
| No. HHHHH—VERY HARD LEAD, NO. 5 GRADE; Weight per gross about 2 lbs. ....   | 8.00      |

**E. C. SIMMONS\* HEXAGON.**

Rubber Tipped Nickel Plated Ferrule, Finest Cedar, Maroon Finish, Gilt Imprint; SHARPENED READY FOR USE.

|                                                               | Per Gross |
|---------------------------------------------------------------|-----------|
| No. 102—MEDIUM SOFT LEAD; Weight per gross about 3 lbs. ....  | \$10.00   |
| No. 103—MEDIUM HARD LEAD; Weight per gross about 2½ lbs. .... | 10.00     |

One-half Gross in a Cardboard Box.

**PENCIL HOLDERS.****ECONOMY.**

No. 551—BRASS, Japanned Case; Rubber Tip, with Adjustable Brass Nickel Plated Protector; Weight per gross about 5 lbs. .... \$9.00  
One-twelfth Gross on a Card; One-half Gross in a Carton.

**PENCIL POINT PROTECTORS.**

No. 367—BRASS, NICKEL PLATED; Screw Inserted Rubber; Weight per gross about 1 1/2 lbs. .... \$6.00  
One-half Gross in a Cardboard Box.

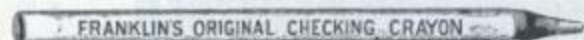
**RAILROAD CRAYONS.**

No. RR—WHITE; Enameled Hardened Surface; 1x4 1/4 inches; Weight per gross about 12 1/2 lbs. .... \$2.00  
One Gross in a Wood Box; Five Boxes in a Crate.

**METAL WORKERS' CRAYONS.**

Will Mark on Iron, Steel, Brass, Copper, Tin, Weather-Stained Lumber, Cloth, etc. The Mark will not burn off when used in a fire by Blacksmiths, Boiler Makers and Machinists. It is cheaper, stronger and more convenient than any other substance used for marking rough surfaces.

No. 5—5 INCH SOAPSTONE CRAYON; 1/2 x 3/4 inch; Not Covered; Weight per gross about 8 lbs. .... \$7.00  
One Gross in a Wood Box.

**CHECKING AND LUMBER PENCILS.**

Franklin's Oil Checking; Paper Covered; 5/16 x 3/8 inches. Will Write on all kinds of surfaces, Paper, Wood, Leather, Glass, Tin, Iron and Other Metals. Being covered with Thick Paper Shell, they can be cut with a knife like wood; Can be carried in the pocket or over the ear, and will not break in falling or dropping.

No. 2F—FRANKLIN'S BLACK Crayon Pencils... \$18.00  
No. 3F—FRANKLIN'S BLUE Crayon Pencils... 18.00  
No. 4F—FRANKLIN'S RED Crayon Pencils... 18.00  
One-twelfth Gross in a Cardboard Box; Six Gross in a Case; Weight per Gross about 3 1/2 lbs.

**LUMBER CRAYONS.**

SIMMONS' Hexagon Lumber; Paper Covered; 1/2 x 6 inches.

Made Entirely from Ozocerite Mineral (not Graphite); Ground and Moulded in Hexagon Form, the Mineral is Colored with High Grade Dyes; Will not rub or wash off; Will Mark Clearly on Wet or Dry Lumber.

No. 61—SIMMONS' BLACK ..... \$15.00  
No. 21—SIMMONS' BLUE ..... 21.00  
No. 20—SIMMONS' RED ..... 21.00  
No. 22—SIMMONS' GREEN ..... 21.00  
One-quarter Gross in a Cardboard Box; Three Gross in a Case; Weight per Gross about 14 lbs.



Standard Hexagon Lumber; Paper Covered; 1/2 x 4 1/2 inches.

No. 1361—BLACK ..... \$16.80  
No. 1521—BLUE ..... 16.80  
No. 1520—RED ..... 16.80  
Black, One-half Gross; Blue and Red, One-quarter Gross in a Cardboard Box; Weight per Gross about 10 lbs.



Dixon's Hexagon Lumber; Paper Covered; 1/2 x 4 1/2 inches.

No. 361—REGULAR GRADE BLACK ..... \$15.00  
No. 362—HARD GRADE BLACK ..... 15.00  
No. 365—SOFT GRADE BLACK ..... 15.00  
No. 521—BLUE ..... \$21.00  
No. 522—GREEN ..... 21.00  
No. 520—RED ..... 21.00  
No. 496—YELLOW ..... 21.00

One-half Gross in a Cardboard Box; Weight per Gross about 10 lbs.

**CRAYON HOLDERS.**

No. 503—1/2 x 4 1/4 inches; Brass, Nickel Plated; Knurled Slide for Tightening Crayon in Holder; Will Hold Securely any 1/2 inch Hexagon Crayon ..... \$4.00  
One Dozen in a Cardboard Box; Three Dozen in a Carton; Weight per Dozen about 5 1/2 lb.

**SCHOOL CRAYONS.**

School Crayons; WHITE; Weight per gross about 2 1/2 lbs. .... \$0.25  
One Gross in a Box; 100 Gross in a Case.



## MUCILAGE.

SPONGE TOP MUCILAGE.  
GLASS BOTTLES.

- No. 255—"GEM;" 2 oz. Bottles; Weight per dozen about 5 lbs. ....\$3.84  
No. 260—"ELECTRIC;" 3 oz. Bottles; Weight per dozen about 7 lbs. 5.20  
One Dozen in a Case.



## STUDIO PASTE.

WHITE, NO BRUSHES INCLUDED.

- No. 268—4 oz., Flint Glass, Round Stand, with Brush; Weight per  
dozen about 9 lbs. ....\$2.88  
One Dozen in a Box.

- No. 273—2 oz. Metal Screw Top, Glass Bottle; Weight per gross  
about 60 lbs. ....\$17.28  
Three Dozen in a Case.



## INDIA INK.



HIGGINS' AMERICAN.

A Superior Liquid Drawing Ink in  
One Ounce Bottles.

Regular.

- |                                 |           |
|---------------------------------|-----------|
|                                 | Per Dozen |
| No. 2—Black; For General Use.   | \$4.50    |
| Waterproof.                     |           |
|                                 | Per Dozen |
| No. 1—Black                     | \$4.50    |
| No. 3—Carmine                   | 4.50      |
| No. 4—Green                     | 4.50      |
| No. 5—Blue                      | 4.50      |
| No. 6—Yellow                    | 4.50      |
| No. 7—Orange                    | 4.50      |
| No. 8—Violet                    | 4.50      |
| No. 9—Brown                     | 4.50      |
| One Dozen in a Wood Box; Weight |           |
| per Dozen about 4 lbs.          |           |

LE PAGE'S.

For Wood, Leather, Glass,  
Iron, Stone, Paper and  
Cloth.



Le Page's "Ready-for use."  
Self-Sealing Tubes.

- No. R—"READY-FOR-USE,"  
Le Page's, Liquid Glue, \$1.07  
Weight per Dozen about 1½ lbs.  
One-twelfth Dozen in Carton; Two  
Dozen Cartons in a Cardboard Box,  
with Handsome Show Card, One  
Gross in a Case.

## MUCILAGE.

LE PAGE'S.



Gold Medal.

- Per Dozen  
Mucilage—2 oz. Cone Bottles,  
with Cap and Brush...\$1.20  
Weight per Dozen about 15 lbs.  
One Dozen in a Case; Three Dozen  
in a Large Case.

**ERASERS.**

ALL RUBBER.



Cut Full Size.

Per Pound  
**No. 7064**—A. W. Faber's Eclipse Pencil Rubber, Small Size; 24 Pieces to the pound, \$2.52  
 One-half Pound in a Cardboard Box.



Cut Full Size.

Per Dozen  
**No. 7081**—Circular Eraser, Mounted Between Nickel Plated Discs, Fine Quality Red Rubber; For Erasing Pencil Marks Only.....\$1.40  
 One Dozen on a Card, Six Dozen in a Carton.



Cut Full Size. Per Gross  
**No. 186**—Circular Eraser, Mounted with Metal Ring in Center; Weight per gross about 3 1/4 lbs. ....\$4.00  
 Per Dozen

**No. 52**—Bicycle Eraser, Mounted on Nickel Plated Discs; Erases both Ink and Pencil Marks; Has a Fine Continuous Edge; Weight per dozen about 1/2 lb. ....\$1.32  
 One Dozen on a Card.



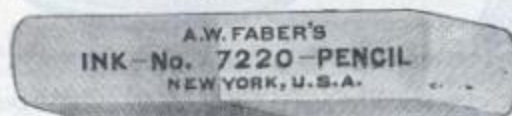
Cut Full Size.

Per Dozen  
**No. 7049**—Ink and Pencil Eraser; Small, Red Polished; Weight per dozen about 1/2 lb. ....\$2.60



Cut Full Size.

Per Dozen  
**No. 624**—School Ink and Pencil Eraser; Small, Wood center, one dozen on a card; Weight per dozen about 1/4 lb. ....\$1.32



Cut Full Size.

Per Dozen  
**No. 7220**—Ink and Pencil Eraser, Beveled Ends; Weight per dozen about 1/2 lb. ....\$1.36  
 One Dozen in a Cardboard Box.



Cut Full Size. Per Dozen  
**No. 110**—UNION; Double Bevel, Ink and Pencil Eraser; Weight per dozen about 1/4 lb. ....\$1.48



Cut Full Size. Per Dozen  
**No. 111**—Emerald Pencil Eraser; Flat, Double Beveled; Made of a Green Erasive Compound; For Pencil Marks.....\$1.32  
**No. 112**—Ruby Rubber; Flat, Double Beveled; Made of a Red Erasive Compound; For Pencil Marks ..... 1.32

Weight per Dozen about 1/2 lb.  
 One Dozen in a Cardboard Box.



Per Pound  
**Multiplex**—Removes Pencil Marks without Smoothing; 12, 20, 30, and 60 Pieces to the pound, \$5.92  
 One Pound in a Cardboard Box.

## THERMOMETERS.



S. H. Co.'s\* Standard Grade.

## NOTE.

\*Thermometers vary in the number of degrees that they will register. Some will register Lower or Higher than others. We do not guarantee them to register exactly as shown on the scale in the cuts. The scale shown in cuts is approximate only.



S. H. Co.'s\* Extra Grade.

- No. 608**—LENGTH 8 INCHES; SPIRIT; Graduated for Air Temperature; Heavy Tin Case, Black Enameled; Heavy Wrought Brass Scale, Black Oxidized Finish; Figures and Lines Stamped, Filled White; Weight per dozen about 4 lbs. .... \$6.00
- No. 610**—LENGTH 10 INCHES; SPIRIT; Graduated for Air Temperature; Heavy Tin Case, Black Enameled; Heavy Wrought Brass Scale, Black Oxidized Finish; Figures and Lines Stamped, Filled White; Weight per dozen about 5 lbs. .... 8.00

- No. 110**—LENGTH 10 INCHES; MERCURY; Graduated for Air Temperature; Heavy Tin Case, Black Enameled; Heavy Wrought Brass Scale, Silvered; Figures and Lines Stamped, Filled Black; Weight per dozen about 6 lbs. ...\$12.00

- No. 210**—LENGTH 10 INCHES; SPIRIT; Graduated for Air Temperature; Heavy Tin Case, Black Enameled Finish; Heavy Wrought Brass Scale, Silvered; Figures and Lines Stamped, Filled Black; Weight per dozen about 6 lbs. ....12.00

One-half Dozen in a Wood Box.

## FURNITURE NAILS.



BRASS.

Solid Polished Brass Oval Heads; Steel Wire Point  $\frac{5}{16}$  inch Long.

| Diameter of Head $\frac{5}{16}$ inch. | Per 1000 |
|---------------------------------------|----------|
| <b>No. 41</b> —1000 in a Box .....    | \$2.00   |
| <b>No. F41</b> —50 in a Box .....     | 1.50     |

| Diameter of Head $\frac{5}{16}$ inch. | Per 1000 |
|---------------------------------------|----------|
| <b>No. 42</b> —1000 in a Box .....    | \$1.40   |
| <b>No. F42</b> —50 in a Box .....     | 1.30     |

| Diameter of Head $\frac{1}{4}$ inch. | Per 1000 |
|--------------------------------------|----------|
| <b>No. 43</b> —1000 in a Box .....   | \$1.20   |
| <b>No. F43</b> —50 in a Box .....    | 1.70     |



BRASS.

| Solid Polished Brass Half-Round Head; Steel Wire Point $\frac{5}{16}$ inch Long. Diameter of Head $\frac{1}{4}$ inch. | Per 1000 |
|-----------------------------------------------------------------------------------------------------------------------|----------|
| <b>No. 12</b> —1000 in a Box .....                                                                                    | \$1.30   |
| <b>No. F12</b> —50 in a Box .....                                                                                     | 1.80     |

Solid Steel Oval Heads, Brass Plated, Polished; Steel Wire Point  $\frac{5}{16}$  inches Long.

BRASS PLATED.

| Diameter of Head $\frac{5}{16}$ inch. | Per 1000 |
|---------------------------------------|----------|
| <b>No. 42BP</b> —1000 in a Box....    | \$1.40   |
| <b>No. F42BP</b> —50 in a Box....     | 1.90     |



BRASS PLATED.

| Diameter of Head $\frac{1}{4}$ inch. | Per 1000 |
|--------------------------------------|----------|
| <b>No. 43BP</b> —1000—in a Box....   | \$1.20   |
| <b>No. F43BP</b> —50 in a Box....    | 1.70     |

 $\frac{5}{16}$  inch Steel Head, Dead Black Enameled;  $\frac{5}{16}$  inch Steel Wire Point; Broad Sent at Base of Head prevents the Sharp Edge from Cutting Glump or Fibre.

METALENE.

| Per Dozen Papers                                     |        |
|------------------------------------------------------|--------|
| <b>No. 265F</b> —Weight per dozen                    |        |
| papers about 1 lb..                                  | \$3.30 |
| 50 Only in a Paper; One Dozen<br>Papers in a Carton. |        |

Weight per 1000 about 1 lb.

Nos. F41, F42, F42BP, F43, F43BP and F12, Twenty Boxes (1000) in a Carton.



## STEEL STAMPS.



Name and Figure Stamps; Hand Made.

Forged from Special Tool Steel, Tempered, Natural Finish; Average Length 4 inches.

LETTERS.

|                          | Per Letter |
|--------------------------|------------|
| $\frac{1}{32}$ inch..... | \$0.60     |
| $\frac{1}{24}$ inch..... | .50        |
| $\frac{1}{20}$ inch..... | .40        |
| $\frac{1}{16}$ inch..... | .30        |
| $\frac{1}{12}$ inch..... | .30        |
| $\frac{3}{32}$ inch..... | .30        |
| $\frac{1}{10}$ inch..... | .30        |
| $\frac{1}{8}$ inch.....  | .30        |
| $\frac{5}{32}$ inch..... | .36        |
| $\frac{3}{16}$ inch..... | .40        |
| $\frac{7}{32}$ inch..... | .50        |
| $\frac{1}{4}$ inch.....  | .60        |

FIGURES.

|                          | Per Figure |
|--------------------------|------------|
| $\frac{1}{32}$ inch..... | \$0.60     |
| $\frac{1}{24}$ inch..... | .50        |
| $\frac{1}{20}$ inch..... | .40        |
| $\frac{1}{16}$ inch..... | .30        |
| $\frac{1}{12}$ inch..... | .30        |
| $\frac{3}{32}$ inch..... | .30        |
| $\frac{1}{10}$ inch..... | .30        |
| $\frac{1}{8}$ inch.....  | .30        |
| $\frac{5}{32}$ inch..... | .36        |
| $\frac{3}{16}$ inch..... | .40        |
| $\frac{7}{32}$ inch..... | .50        |
| $\frac{1}{4}$ inch.....  | .60        |

NOTE.—In ordering Steel Stamps, always mention for what purpose the Stamps are to be used.  
INITIAL STAMPS:  $\frac{1}{16}$  to  $\frac{1}{8}$  inch, 40c per Letter; Other Sizes 25c Advance in List over Regular Name Stamps.  
Extra Charge for Forging will be made on Stamps Less Than Four Letters.

STEEL FIGURES AND LETTERS.

Forged from Special Tool Steel, Tempered; Natural Finish.

Steel Figures: In Sets: Machine Made.

| Size, inches    | $\frac{1}{16}$ | $\frac{1}{12}$ | $\frac{1}{8}$ | $\frac{3}{16}$ | $\frac{1}{4}$  | $\frac{3}{8}$  | $\frac{1}{2}$ |
|-----------------|----------------|----------------|---------------|----------------|----------------|----------------|---------------|
| Weight per set  |                |                |               |                |                |                |               |
| about, lbs..... | $\frac{3}{4}$  | $\frac{1}{2}$  | $\frac{3}{4}$ | $\frac{1}{4}$  | $1\frac{1}{4}$ | $2\frac{1}{4}$ | 3             |
| Per set.....    | \$0.90         | .90            | .90           | 1.25           | 1.50           | 2.50           | 4.50          |

One Set Complete in Wood Box.

Extra Single Steel Figures: Machine Made.

| Size, inches          | $\frac{1}{16}$ | $\frac{1}{12}$ | $\frac{1}{8}$ | $\frac{3}{16}$ | $\frac{1}{4}$ | $\frac{3}{8}$  | $\frac{1}{2}$  |
|-----------------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|
| Weight per dozen      |                |                |               |                |               |                |                |
| about, lbs.....       | $\frac{3}{4}$  | $\frac{3}{4}$  | $\frac{1}{2}$ | $\frac{3}{4}$  | 1             | $2\frac{1}{4}$ | $2\frac{3}{4}$ |
| Per single dozen..... | \$1.80         | 1.80           | 1.80          | 2.16           | 3.00          | 4.80           | 7.20           |

Steel Alphabets: In Sets: Machine Made.

| Size, inches    | $\frac{1}{16}$ | $\frac{1}{12}$ | $\frac{1}{8}$   | $\frac{3}{16}$ | $\frac{1}{4}$  | $\frac{3}{8}$  | $\frac{1}{2}$ |
|-----------------|----------------|----------------|-----------------|----------------|----------------|----------------|---------------|
| Weight per set  |                |                |                 |                |                |                |               |
| about, lbs..... | 1              | $1\frac{1}{4}$ | 1 $\frac{1}{2}$ | $2\frac{1}{4}$ | $3\frac{1}{4}$ | $6\frac{1}{4}$ | 8             |
| Per set.....    | \$2.70         | 2.70           | 2.70            | 3.75           | 4.50           | 7.50           | 13.50         |

Extra Single Steel Letters: Machine Made.

| Size, inches          | $\frac{1}{16}$ | $\frac{1}{12}$ | $\frac{1}{8}$ | $\frac{3}{16}$ | $\frac{1}{4}$ | $\frac{3}{8}$  | $\frac{1}{2}$  |
|-----------------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|
| Weight per dozen      |                |                |               |                |               |                |                |
| about, lbs.....       | $\frac{3}{4}$  | $\frac{3}{4}$  | $\frac{1}{2}$ | $\frac{3}{4}$  | 1             | $2\frac{1}{4}$ | $2\frac{3}{4}$ |
| Per single dozen..... | \$1.80         | 1.80           | 1.80          | 2.16           | 3.00          | 4.80           | 7.20           |

Packed Loose.

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ALUMINUM LETTERS.

Two inch Stamped Aluminum Letters A and B, used in connection with Aluminum House Numbers.

|                                                    | Per Dozen |
|----------------------------------------------------|-----------|
| No. A—Weight per dozen about $\frac{1}{4}$ lb..... | \$1.20    |
| No. B—Weight per dozen about $\frac{1}{4}$ lb..... | 1.20      |

One Dozen in a Box, packed with Silver Plated Escutcheon Pins.

HOUSE NUMBERS.

Showing Assortment. Per Assortment

Aluminum Assortments, House Numbers, Consisting of Ten Dozen 3 inch Aluminum Numbers 1, 2, 3, 4, 5, 6, 7, 8, 9, 0; Silver Plated Brass Nails furnished with each Assortment; Weight per assortment about  $1\frac{1}{2}$  lbs..... \$6.50  
One Complete Assortment in a Show Case Box.  
Per Dozen  
3 inch Aluminum House Numbers, Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 0; Silver Plated Brass Nails furnished with same; Weight per dozen about  $\frac{1}{4}$  lb ..... \$0.75  
One Dozen in a Cardboard Box.

PULLEY BLOCKS.

Nos. 4, 5 and 6.

**Sure Grip:** Steel; Japanned Finish; With Wrought Hooks; Automatic Brake to prevent Backward Slipping.

| Nos.                       | 3      | 4    | 5    | 6    | 4½    | 5½    | 6½    |
|----------------------------|--------|------|------|------|-------|-------|-------|
| Capacity, lbs....          | 600    | 1000 | 1800 | 2500 | 3000  | 3500  | 5000  |
| One Man can lift, lbs..... | 300    | 350  | 400  | 450  | 600   | 700   | 850   |
| Size Rope, in... ¾         | ¾      | ¾    | ¾    | ¾    | ¾     | ¾     | ¾     |
| Wgt. each about, lbs.....  | 5      | 8    | 14   | 25   | 12    | 22    | 38    |
| Each .....                 | \$3.00 | 5.50 | 7.00 | 8.50 | 10.00 | 12.00 | 14.00 |

THE ROPE IS NOT INCLUDED IN THE ABOVE PRICES. When Ordering, if Rope is wanted, Specify the Exact Distance Between the Lowest Starting Point and the Hook the Machine is suspended from.

Packed Loose.



# PULLEY BLOCKS.



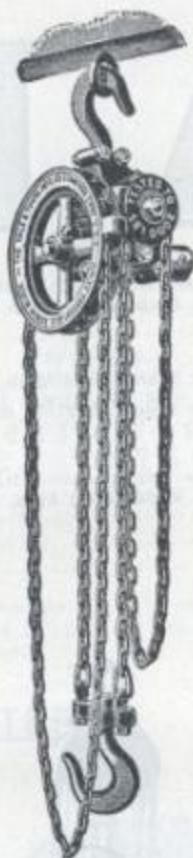
**Weston Pattern:** Differential or Direct; Malleable Frames; Cast Wheels; Wrought Hooks and Steel Chain.

| Capacity, tons.....                                      | $\frac{1}{4}$ | $\frac{1}{2}$ | 1     | 1½    | 2     |
|----------------------------------------------------------|---------------|---------------|-------|-------|-------|
| Will Hoist from Level on which operator stands, ft. .... | 6             | 7             | 8     | 8½    | 9     |
| Weight each about, lbs.                                  | 22            | 30            | 51    | 81    | 122   |
| Each .....                                               | \$18.00       | 21.00         | 28.00 | 36.00 | 45.00 |

**±EXTRA HOIST** per foot, comprising 4-foot Chain. \$2.80 2.80 3.00 3.20 3.40

NOTE.—If Block is wanted to Lift Higher than shown above, Extra Chain must be Ordered; Four feet of Chain for every Foot of Extra Hoist.

Packed Loose.



Showing Duplex.

**±YALE DUPLEX:** Screw Geared; Malleable Frame; Cast Wheel; Wrought Hooks; Steel Gears and Chain.

| Capacity, tons.....                                            | ±½      | ±1     | ±1½    | ±2     | ±3     |
|----------------------------------------------------------------|---------|--------|--------|--------|--------|
| Will hoist from level on which operator is standing, feet..... | 8       | 8      | 8      | 8      | 10     |
| Weight each complete about, lbs.....                           | 43      | 57     | 76     | 104    | 200    |
| Each.....                                                      | \$25.00 | 30.00  | 40.00  | 50.00  | 75.00  |
| ±EXTRA HOIST per foot, all chains included....                 | \$1.20  | 1.50   | 1.75   | 2.00   | 2.20   |
| Capacity, tons.....                                            | ±4      | ±5     | ±6     | ±8     | ±10    |
| Will hoist from level on which operator is standing, feet..... | 10      | 12     | 12     | 12     | 12     |
| Weight each complete about, lbs.....                           | 225     | 340    | 360    | 390    | 570    |
| Each.....                                                      | \$95.00 | 140.00 | 180.00 | 210.00 | 275.00 |
| ±EXTRA HOIST per foot, all chains included....                 | \$2.40  | 3.00   | 3.75   | 4.00   | 4.25   |

One in a Wood Box.

- 991 -

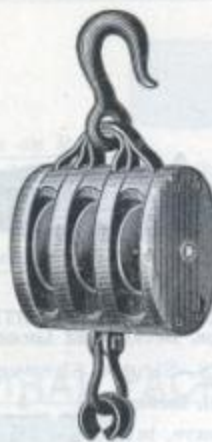
## TACKLE BLOCKS.



No. 100.



No. 200.



No. 300.

VARNISHED, HARDWOOD SHELL, Riveted together; Japanned, Cast Iron Sheave; Wrought Iron Straps; Loose Hook and Becket; With Steel Roller Bushed Sheaves.

## No. 100—Single Sheave; One-half with Beckets.

|                                 | 4      | 5     | 6     | 7     | 8      | 9     | 10     | 12     |
|---------------------------------|--------|-------|-------|-------|--------|-------|--------|--------|
| Length of Shell, inches.....    | 2 1/4  | 3     | 3 1/2 | 4 1/4 | 4 3/4  | 5 1/2 | 6 1/4  | 8      |
| Diameter of Sheave, inches..... | 1 1/2  | 2     | 2 1/2 | 3     | 3 1/2  | 4     | 4 1/2  | 5 1/2  |
| For Rope Diameter, inches.....  | 1 1/4  | 1 3/4 | 2     | 2 1/4 | 2 1/2  | 2 3/4 | 3      | 3 1/2  |
| Length over all, inches.....    | 9 1/4  | 13    | 14    | 15    | 18 1/2 | 20    | 21 1/2 | 25     |
| Weight each about, lbs.....     | 1 1/2  | 2 1/2 | 4     | 5 1/2 | 8 1/4  | 11    | 15     | 24 1/2 |
| Each.....                       | \$1.20 | 1.25  | 1.50  | 1.70  | 2.25   | 2.50  | 3.50   | 5.30   |

## No. 200—Double Sheave; One-half with Beckets.

|                                 | 4      | 5     | 6     | 7     | 8     | 10    | 12    |
|---------------------------------|--------|-------|-------|-------|-------|-------|-------|
| Length of Shell, inches.....    | 2 1/4  | 3     | 3 1/2 | 4 1/4 | 4 3/4 | 6 1/4 | 8     |
| Diameter of Sheave, inches..... | 1 1/2  | 2     | 2 1/2 | 3     | 3 1/2 | 4 1/2 | 5 1/2 |
| For Rope Diameter, inches.....  | 1 1/4  | 1 3/4 | 2     | 2 1/4 | 2 1/2 | 2 3/4 | 3     |
| Length over all, inches.....    | 9 1/4  | 13    | 14    | 17    | 19    | 23    | 27    |
| Weight each about, lbs.....     | 3 1/2  | 4 1/2 | 6 1/2 | 9 1/2 | 13    | 24    | 36    |
| Each.....                       | \$2.25 | 2.35  | 2.85  | 3.35  | 4.15  | 6.00  | 9.20  |

## No. 300—Triple Sheave; One-third with Beckets.

|                                 | 4      | 6     | 8      | 10     | 12    |
|---------------------------------|--------|-------|--------|--------|-------|
| Length of Shell, inches.....    | 2 1/4  | 3 1/2 | 4 3/4  | 6 1/4  | 8     |
| Diameter of Sheave, inches..... | 1 1/2  | 2 1/2 | 3 1/2  | 4 1/2  | 5 1/2 |
| For Rope Diameter, inches.....  | 1 1/4  | 2     | 2 1/2  | 3      | 3 1/2 |
| Length over all, inches.....    | 10     | 15    | 18 1/2 | 22 1/2 | 29    |
| Weight each about, lbs.....     | 3 1/2  | 9 1/2 | 18     | 34     | 52    |
| Each.....                       | \$3.25 | 4.40  | 6.00   | 8.50   | 13.20 |



WILCOX.

GALVANIZED, MALLEABLE IRON Shell; Cast Iron, Plain Bushed Sheaves; Wrought Iron Loose Hook.



## Wilcox; Single Sheave; All with Beckets.

| Nos.                           | 5      | 7     | 9     | 13     |
|--------------------------------|--------|-------|-------|--------|
| Length of Shell, inches.....   | 2 1/2  | 3     | 4     | 5      |
| Diameter Sheave, inches.....   | 1 1/2  | 2     | 2 1/2 | 3      |
| For Rope Diameter, inches..... | 1 1/4  | 1 3/4 | 2     | 2 1/4  |
| Length over all, inches.....   | 5 1/4  | 7     | 8 1/4 | 10 1/2 |
| Weight each about, lbs.....    | 1 1/2  | 1     | 1 1/2 | 3 1/2  |
| Each.....                      | \$0.30 | .45   | .85   | 1.10   |

## Wilcox; Double Sheave; One-half with Beckets.

| Nos.                            | 6      | 8     | 10    | 14    | 16     |
|---------------------------------|--------|-------|-------|-------|--------|
| Length of Shell, inches.....    | 2 1/2  | 3     | 4     | 5     | 6      |
| Diameter of Sheave, inches..... | 1 1/2  | 2     | 2 1/2 | 3     | 3 1/2  |
| For Rope Diameter, inches.....  | 1 1/4  | 1 3/4 | 2     | 2 1/4 | 2 1/2  |
| Length over all, inches.....    | 5 1/4  | 7     | 7 1/2 | 9 1/4 | 12 1/2 |
| Weight each about, lbs.....     | 1      | 1 1/2 | 2 1/2 | 5     | 7      |
| Each.....                       | \$0.50 | .70   | 1.25  | 1.75  | 2.40   |

Packed Loose.

## TACKLE BLOCKS.



## HARTZ.

JAPANNED PRESSED STEEL SHELL, with Steel Braces or Pins; Cast Iron Plain Bushed Sheaves; Wrought Iron Straps, Becket and Loose Hook, with Link; All with Beckets.

## No. HPS—Single Sheave.

| Lgth. Shell, inches. | 4      | 5     | 6     |
|----------------------|--------|-------|-------|
| Diam. Sheave, in...  | 2 1/4  | 2 3/4 | 3 1/4 |
| For Rope Diam., in.  | 1 1/2  | 2     | 2 1/2 |
| Length over all, in. | 9 1/2  | 12    | 13    |
| Wt. each about, lbs. | 1 1/4  | 3 3/4 | 4 1/2 |
| Each .....           | \$0.85 | .90   | 1.10  |
| Lgth. Shell, inches. | 8      | 10    |       |
| Diam. Sheave, in...  | 5      | 6     |       |
| For Rope Diam., in.  | 1      | 1 1/4 |       |
| Length over all, in. | 18     | 21    |       |
| Wt. each about, lbs. | 10     | 18    |       |
| Each .....           | \$1.65 | 2.75  |       |

## No. HPD—Double Sheave.

| Lgth. Shell, inches. | 4      | 5     | 6     |
|----------------------|--------|-------|-------|
| Diam. Sheave, in...  | 2 1/4  | 2 3/4 | 3 1/4 |
| For Rope Diam., in.  | 1 1/2  | 2     | 2 1/2 |
| Length over all, in. | 11 1/2 | 14    | 15    |
| Wt. each about, lbs. | 2 1/4  | 4 1/2 | 6 1/2 |
| Each .....           | \$1.60 | 1.75  | 2.00  |
| Lgth. Shell, inches. | 8      | 10    |       |
| Diam. Sheave, in...  | 5      | 6     |       |
| For Rope Diam., in.  | 1      | 1 1/4 |       |
| Length over all, in. | 19 1/2 | 22    |       |
| Wt. each about, lbs. | 14     | 27    |       |
| Each .....           | \$2.85 | 4.50  |       |

## No. HPT—Triple Sheave.

| Lgth. Shell, inches. | 4      | 6     | 8      |
|----------------------|--------|-------|--------|
| Diam. Sheave, in...  | 2 1/4  | 3 1/4 | 5      |
| For Rope Diam., in.  | 1 1/2  | 2 1/2 | 4      |
| Length over all, in. | 11     | 15    | 19     |
| Wt. Each about, lbs. | 4      | 9 1/4 | 19 1/4 |
| Each .....           | \$2.15 | 2.90  | 4.25   |
| Lgth. Shell, inches. | 10     |       |        |
| Diam. Sheave, in...  | 6      |       |        |
| For Rope Diam., in.  | 1 3/4  |       |        |
| Length over all, in. | 23 1/2 |       |        |
| Wt. each about, lbs. | 36     |       |        |
| Each .....           | \$6.25 |       |        |

## EDDY (New Pattern).

Steel Hook, Shell, Pin and Strap, Japanned, Regular Mortise, Plain Iron Bushed, with Becket.



## No. EPS—Single Sheave.

| Lgth. Block, in....  | 3 1/2  | 4     | 5     |
|----------------------|--------|-------|-------|
| Diam. Sheave, in.... | 2      | 2 1/4 | 2 3/4 |
| For Rope, Diam., in. | 1 1/2  | 2     | 2 1/2 |
| Wt. each about, lbs. | 3      | 4 1/4 | 5     |
| Each .....           | \$0.75 | .85   | .90   |
| Lgth. Block, in....  | 6      | 7     | 8     |
| Diam. Sheave, in.... | 3 1/4  | 4 1/4 | 4 3/4 |
| For Rope, Diam., in. | 2 1/4  | 3 1/4 | 4     |
| Wt. each about, lbs. | 3      | 4 3/4 | 6 3/4 |
| Each .....           | \$1.10 | 1.30  | 1.65  |

## No. EPD—Double Sheave.

| Lgth. Block, in....  | 3 1/2  | 4     | 5      |
|----------------------|--------|-------|--------|
| Diam. Sheave, in.... | 2      | 2 1/4 | 2 3/4  |
| For Rope, Diam., in. | 1 1/2  | 2     | 2 1/2  |
| Wt. each about, lbs. | 1 1/2  | 2     | 3 1/4  |
| Each .....           | \$1.45 | 1.60  | 1.75   |
| Lgth. Block, in....  | 6      | 7     | 8      |
| Diam. Sheave, in.... | 3 1/4  | 4 1/4 | 4 3/4  |
| For Rope, Diam., in. | 2 1/4  | 3 1/4 | 4      |
| Wt. each about, lbs. | 5      | 7 3/4 | 10 1/4 |
| Each .....           | \$2.00 | 2.40  | 2.85   |

## No. EPT—Triple Sheave.

| Lgth. Block, in....  | 3 1/2  | 4     | 5     |
|----------------------|--------|-------|-------|
| Diam. Sheave, in.... | 2      | 2 1/4 | 2 3/4 |
| For Rope, Diam., in. | 1 1/2  | 2     | 2 1/2 |
| Wt. each about, lbs. | 2      | 4     | 5     |
| Each .....           | \$2.00 | 2.15  | 2.25  |
| Lgth. Block, in....  | 6      | 7     | 8     |
| Diam. Sheave, in.... | 3 1/4  | 4 1/4 | 4 3/4 |
| For Rope, Diam., in. | 2 1/4  | 3 1/4 | 4     |
| Wt. each about, lbs. | 7      | 11    | 15    |
| Each .....           | \$2.90 | 3.50  | 4.25  |

Packed Loose.

## RUBBER PACKING.

-1034-

TRADE MARKS:  
"KOOCHOOK" AND  
"BALTIC,"  
REG.



Koo-Chook High Grade Packing Recommended for all Purposes where a Lasting and Tight Joint Packing is Required.

One Ply of Cloth for every  $\frac{1}{16}$  inch in Thickness; Each Cloth whether used as an Insertion or on the Outside counts as One Ply.

Sheet Packing.

## KOO-CHOOK\*: Cloth Insertion Packing.

| Thickness, inch               | $\frac{3}{32}$ | $\frac{1}{8}$ | $\frac{3}{16}$ | $\frac{1}{4}$ |
|-------------------------------|----------------|---------------|----------------|---------------|
| Wgt. per sq. yard about, lbs. | 8              | 12            | 15             | 20            |

|                |     |     |     |     |
|----------------|-----|-----|-----|-----|
| 2-Ply: Per lb. | .58 | .55 |     |     |
| 3-Ply: Per lb. |     |     | .55 |     |
| 4-Ply: Per lb. |     |     |     | .55 |

In Rolls, One Yard Wide and about Twenty Yards Long; Weight per Roll about 250 lbs.

## BALTIC\*: Cloth Insertion Packing.

| Thickness, inch               | $\frac{1}{16}$ | $\frac{3}{32}$ | $\frac{1}{8}$ | $\frac{3}{16}$ | $\frac{1}{4}$ |
|-------------------------------|----------------|----------------|---------------|----------------|---------------|
| Wgt. per sq. yard about, lbs. | 6              | 8              | 12            | 15             | 20            |

|                |        |     |     |     |     |
|----------------|--------|-----|-----|-----|-----|
| 1-Ply: Per lb. | \$0.60 | .57 |     |     |     |
| 2-Ply: Per lb. |        |     | .55 |     |     |
| 3-Ply: Per lb. |        |     |     | .55 |     |
| 4-Ply: Per lb. |        |     |     |     | .55 |

In Rolls, One Yard Wide and about Twenty Yards Long; Weight per Roll about 250 lbs.

## KOO-CHOOK\*: Red Sheet Packing; 36 Inches Wide.

For Steam, Air or Water Joints; Made from a Red Rubber Compound; Makes a Perfect Joint, and is Economical; Expansion and Superheated Steam Joints do not affect or shorten its term of service; It means a Saving to the user; Also made with Brass Wire, Lead and other Metal Insertions.

|                           | Per Pound |
|---------------------------|-----------|
| $\frac{1}{16}$ inch Thick | \$1.00    |
| $\frac{1}{8}$ inch Thick  | 1.00      |
| $\frac{3}{16}$ inch Thick | 1.00      |

In Rolls of about 250 lbs.

## S. H. Co's.\* Red Special Sheet Packing.

Made of a Red Rubber Compound which has Life and Strength to give Satisfaction for either Steam, Water or Air Joints; makes a Perfect Joint; Will Last Indefinitely.

|                           | Per Pound |
|---------------------------|-----------|
| $\frac{1}{16}$ inch Thick | \$1.00    |
| $\frac{1}{8}$ inch Thick  | 1.00      |
| $\frac{3}{16}$ inch Thick | 1.00      |

Full Rolls 36 inches Wide, Burlapped; Weight per Roll about 250 lbs.



## KOO-CHOOK\*: Square Piston Packing.

Square Piston Rubber Packing; Coarse Duck.

| Inches                    | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | 1   |
|---------------------------|---------------|---------------|---------------|-----|
| Wgt. per roll about, lbs. | 14            | 24            | 6             | 10  |
| Per lb.                   | \$0.85        | .85           | .85           | .85 |

Fifteen Feet in a Roll.

## ASBESTOS PACKING.



## Piston on Reels.

| Inches  | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
|---------|---------------|---------------|---------------|---------------|---------------|
| Per lb. | \$0.40        | .40           | .40           | .40           | .40           |

## Wick Packing in Balls.

| Pounds in a Ball | $\frac{1}{4}$ | $\frac{1}{2}$ | 1   |
|------------------|---------------|---------------|-----|
| Per lb.          | \$0.40        | .40           | .40 |

25 and 50 lb. Boxes.

## GENUINE SPIRAL PACKING.



Made of a Combination of Rubber and Cotton Fabrics; Made so that by Cutting off a Section, Ring of Any Size can be Formed; The Diameter Varies with the Thickness.

| Thickness, inches              | $\frac{1}{8}$  | $\frac{3}{16}$ | $\frac{1}{4}$  | $\frac{5}{16}$ |
|--------------------------------|----------------|----------------|----------------|----------------|
| Wgt. box of 12 ft. about, lbs. | $\frac{3}{4}$  | $\frac{3}{4}$  | $\frac{3}{4}$  | 1              |
| Per lb.                        | \$1.20         | 1.20           | 1.20           | 1.20           |
| Thickness, inches              | $\frac{3}{8}$  | $\frac{7}{16}$ | $\frac{1}{2}$  | $\frac{9}{16}$ |
| Wgt. box of 12 ft. about, lbs. | $1\frac{1}{2}$ | $1\frac{1}{2}$ | $2\frac{1}{2}$ | 3              |
| Per lb.                        | \$1.20         | 1.20           | 1.20           | 1.20           |
| Thickness, inches              | $\frac{5}{8}$  | $\frac{3}{4}$  |                |                |
| Wgt. box of 12 ft. about, lbs. | $3\frac{3}{4}$ | $5\frac{1}{4}$ |                |                |
| Per lb.                        | \$1.20         | 1.20           |                |                |

12 Feet in a Cardboard Box.

Made of a Combination of Rubber and Cotton Fabrics.



## Elastic Ring Packing.

| Thickness, inch | $\frac{1}{8}$ | $\frac{3}{16}$ | $\frac{1}{2}$ | $\frac{5}{16}$ | $\frac{3}{4}$ |
|-----------------|---------------|----------------|---------------|----------------|---------------|
| Per lb.         | \$1.20        | 1.20           | 1.20          | 1.20           | 1.20          |



## Sectional Ring Packing.

| Thickness, inch | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ |
|-----------------|---------------|---------------|---------------|---------------|---------------|
| Per lb.         | \$1.20        | 1.20          | 1.20          | 1.20          | 1.20          |

Made to Order Only; Give Piston Rod and Stuffing Box Measurements, and State whether to be Used for Steam, Water or Ammonia.

From One Week to Ten Days required to make up and fill Orders for Ring Packing. After One Lot has been received, the Order may be Duplicated by simply Giving the Numbers on the Boxes.

## HEMP PACKING.



|                                                              | Per Pound |
|--------------------------------------------------------------|-----------|
| No. 1—LONG FIBRE; Pure; $\frac{3}{4}$ inch in Diameter.....  | \$0.25    |
| No. 2—SHORT FIBRE; Pure; $\frac{3}{4}$ inch in Diameter..... | .20       |
| Italian; BEST QUALITY; $\frac{3}{4}$ inch in Diameter.....   | .30       |

Weight per Coil about 35 lbs.

About 160 feet to a Coil.

## WASTE.



Cotton; Machined.

WHITE.

| Nos.    | <u>1</u><br>Best | <u>2</u><br>Medium | <u>3</u><br>Regular |
|---------|------------------|--------------------|---------------------|
| Per lb. | \$.....          | .....              | .....               |

COLORED.

| Nos.    | <u>A</u><br>Best | <u>B</u><br>Medium | <u>C</u><br>Regular |
|---------|------------------|--------------------|---------------------|
| Per lb. | \$.....          | .....              | .....               |

Wool—Machined.

| Nos.    | <u>X</u><br>Best | <u>Y</u><br>Medium | <u>Z</u><br>Regular |
|---------|------------------|--------------------|---------------------|
| Per lb. | \$.....          | .....              | .....               |

Put up in Pressed Bales of about 50, 100 and 500 lbs. each. Always sold by Gross Weight of Bales.

-1037-

**CANVAS BELTS.****CHESAPEAKE RED CANVAS STITCHED BELTING.**

Made of 32 ounce Tightly Woven Duck; Closely Stitched; Well Stretched.

Canvas Stitched Belts are fast replacing Rubber Belts owing to the difference in price. The Strength is Due to the Quality and Weight of Duck.

List Adopted January 20, 1904.

|                | 1½                              | 2      | 2½   | 3    | 3½     | 4    | 4½   | 5    | 6    | 7    | 8     |
|----------------|---------------------------------|--------|------|------|--------|------|------|------|------|------|-------|
| <b>4-ply,</b>  | Width, inches.....              | 18     | 25   | 31   | 38     | 44   | 50   | 56   | 63   | 75   | 88    |
|                | Wt. per 100 ft. about, lbs..    | 18     | 25   | 31   | 38     | 44   | 50   | 56   | 63   | 75   | 88    |
|                | Per foot.....                   | \$0.15 | .20  | .25  | .30    | .35  | .40  | .45  | .50  | .60  | .70   |
| <b>4-ply,</b>  | Width, inches.....              |        |      |      | 9      | 10   | 11   | 12   | 13   | 14   | 15    |
|                | Wt. per 100 ft. about, lbs..... |        |      |      | 113    | 125  | 138  | 150  | 163  | 175  | 188   |
|                | Per foot.....                   |        |      |      | \$0.90 | 1.00 | 1.10 | 1.20 | 1.37 | 1.47 | 1.58  |
| <b>6-ply,</b>  | Width, inches.....              | 3      | 3½   | 4    | 4½     | 5    | 6    | 7    | 8    | 9    | 10    |
|                | Wt. per 100 ft. about, lbs..    | 55     | 65   | 75   | 84     | 94   | 112  | 132  | 150  | 168  | 188   |
|                | Per foot.....                   | \$0.44 | .51  | .58  | .65    | .73  | .87  | 1.02 | 1.16 | 1.31 | 1.45  |
| <b>6-ply,</b>  | Width, inches.....              | 13     | 14   | 15   | 16     | 18   | 20   | 22   | 24   | 26   | 28    |
|                | Wt. per 100 ft. about, lbs..    | 244    | 263  | 281  | 300    | 336  | 375  | 414  | 450  | 498  | 526   |
|                | Per foot.....                   | \$1.99 | 2.13 | 2.29 | 2.44   | 2.74 | 3.05 | 3.35 | 3.65 | 4.15 | 4.47  |
| <b>8-ply,</b>  | Width, inches.....              | 6      | 8    | 10   | 12     | 14   | 15   | 16   | 18   | 20   | 22    |
|                | Wt. per 100 ft. about, lbs..    | 150    | 200  | 250  | 300    | 350  | 375  | 400  | 450  | 500  | 550   |
|                | Per foot.....                   | \$1.14 | 1.52 | 1.90 | 2.28   | 2.79 | 3.00 | 3.19 | 3.59 | 3.99 | 4.39  |
| <b>±8-ply,</b> | Width, inches.....              | 30     | 32   | 34   | 36     | 38   | 40   | 42   | 44   | 46   | 48    |
|                | Wt. per 100 ft. about, lbs..    | 750    | 800  | 850  | 900    | 950  | 1000 | 1050 | 1100 | 1150 | 1200  |
|                | Per foot.....                   | \$6.27 | 6.69 | 7.11 | 7.52   | 7.94 | 8.36 | 8.78 | 9.20 | 9.62 | 10.04 |

A full Roll of Canvas Belting contains about 450 feet, but Will be Cut in Lengths to Suit Customer.

**CHESAPEAKE CANVAS ENDLESS THRESHER BELTS.**

Made of 32 ounce Tightly Woven Duck; Closely Stitched; Well Stretched.

|                | 6                               | 7      | 8   | 9   |     | Width, inches..... | ±6                             | ±7     | ±8  | ±9   |
|----------------|---------------------------------|--------|-----|-----|-----|--------------------|--------------------------------|--------|-----|------|
| <b>4-ply,</b>  | Wt. per 100 ft. about, lbs..    | 75     | 88  | 100 | 113 | <b>±5-ply,</b>     | Wt. per 100 ft. about, lbs.... | 85     | 95  | 120  |
|                | Per foot.....                   | \$0.60 | .70 | .80 | .90 |                    | Per foot.....                  | \$0.75 | .88 | 1.00 |
| <b>±6-ply,</b> | Width, inches.....              |        |     |     |     |                    |                                |        |     |      |
|                | Wt. per 100 ft. about, lbs..... |        |     |     |     |                    |                                |        |     |      |
|                | Per foot.....                   |        |     |     |     |                    |                                |        |     |      |

Made and Sold only in Lengths 120, 130, 140 and 150 feet.

Actual Lengths of Canvas Thresher Belts are 3 feet less than Lengths given, 3 feet being consumed in Splicing.

TRADE MARK:  
"BANNER"  
REGISTERED.



## LEATHER BELTING.

All Belting will be furnished Riveted, unless otherwise specified.  
For List of Double Belts, Double the Standard List.

Standard List, Adopted November 21st, 1906.

|                  |        |       |       |       |      |       |       |       |      |       |       |
|------------------|--------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|
| Width, inches    | 1      | 1 1/4 | 1 1/2 | 1 3/4 | 2    | 2 1/4 | 2 1/2 | 2 3/4 | 3    | 3 1/4 | 3 1/2 |
| Per Running Foot | \$0.24 | .30   | .36   | .42   | .48  | .54   | .60   | .66   | .72  | .78   | .84   |
| Width, inches    | 4      | 4 1/4 | 5     | 5 1/4 | 6    | 7     | 8     | 9     | 10   | 11    | 12    |
| Per Running Foot | \$0.96 | 1.08  | 1.20  | 1.32  | 1.44 | 1.68  | 1.92  | 2.16  | 2.40 | 2.64  | 2.88  |
| Width, inches    | 13     | 14    | 15    | 16    | 17   | 18    | 19    | 20    | 21   | 22    |       |
| Per Running Foot | \$3.12 | 3.36  | 3.60  | 3.84  | 4.08 | 4.32  | 4.56  | 4.80  | 5.04 | 5.28  |       |

FOR LIST OF DOUBLE BELTS, DOUBLE THE STANDARD LIST.

- No. CSL**—CLEARHIDE SHORT LAP, SINGLE; Not Waterproofed; Our First Grade; Made Entirely from Center Stock, Strictly Short Lap Throughout. A Good Heavy Belt and will stand comparison with any High Grade Belt. Uniform in the Thickness; Especially Adapted for Hard Service and High Speed; Made of Leather which has been Carefully Selected and Only the Choicest Parts are Used, and is Guaranteed to be Genuine Old Process Oak Bark Tannage; Weight per square foot 14 1/2 ozs. \$.....
- No. CX**—CLEARHIDE SHORT LAP, EXTRA HEAVY, SINGLE; Not Waterproofed; Same Grade as No. CSL; Made from Center Stock. For this Belt only the Extra Heavy Hides are used. Probably only one in Twenty would be Suitable to go in the Extra Heavy Clearhide Short Lap Belt; Weight per square foot 16 ozs. \$.....
- No. CD**—CLEARHIDE SHORT LAP, DOUBLE; Not Waterproofed; Same as No. CX, except it is a Double or Two-ply Belt; Thoroughly Cemented or Glued Together; Weight per square foot 28 ozs. \$.....
- All of the above are Strictly Guaranteed for the Most Severe Work.
- No. MCS**—MOUND CITY STAR, OAK TANNED, SINGLE; Not Waterproofed; The Next Grade to Clearhide Short Lap; Cut from the Side Stock instead of the Center Stock; For Ordinary Work this makes an Unusually Good Belt, but could not be used for the heaviest kind of work; Weight per square foot 13 ozs. \$.....
- No. AW**—AGRICULTURAL, LIGHT, SINGLE; WATERPROOFED; Made Only from 1 to 4 inches Wide and should be used for the Lightest Work only; Weight per square foot 11 ozs. \$.....
- No. CXR**—CLEARHIDE HEAVY RAWHIDE, SINGLE; Made Entirely from the Strongest Part of a Hide; As Strong a Single Belt as it is possible to Manufacture; Is Stronger than Oak Tanned Belts, Adheres Closer to Pulleys, and Will Transmit More Power; Weight per square foot 16 ozs. \$.....
- No. CLDR**—CLEARHIDE LIGHT RAWHIDE, DOUBLE; Has the same features as No. CXR, only this Belt is made of Two Light Single Belts into a Light Double one; Weight per square foot 18 ozs. \$.....
- No. CDR**—CLEARHIDE RAWHIDE, DOUBLE; Made of Two Piles of Regular Weight Single Rawhide Belts; Is Positively the Strongest Hide Belt Manufactured; Weight per square foot 32 ozs. \$.....

LISTS OF LEATHER APPLY TO RAWHIDE BELTS ALSO.

300 to 400 Feet in a Roll.

### AVERAGE WEIGHT OF SINGLE LEATHER BELTING.

|                                 |    |       |    |       |    |       |     |     |     |
|---------------------------------|----|-------|----|-------|----|-------|-----|-----|-----|
| Inches                          | 1  | 1 1/4 | 2  | 2 1/4 | 3  | 3 1/4 | 4   | 5   | 6   |
| Weight per 100 feet about, lbs. | 6  | 9     | 12 | 15    | 18 | 21    | 25  | 35  | 45  |
| Inches                          | 7  | 8     | 9  | 10    | 12 | 14    | 16  | 20  | 22  |
| Weight per 100 feet about, lbs. | 53 | 60    | 68 | 75    | 90 | 105   | 120 | 135 | 165 |

For Double Belts, Double the above Weights.

Leather Belting can be made Endless without charge, except what Leather is necessary to make the splice. Splices on Single Belts are as long as the Belt is wide. Splices on Double Belts up to and including 10 inch, are 3 inches longer than the Belt is wide; 12 inches and over, as long as the Belt is wide.

## LACE LEATHER.



|                                                                       |                 |
|-----------------------------------------------------------------------|-----------------|
|                                                                       | Per Square Foot |
| <b>BANNER</b> , RAWHIDE; Assorted 15 to 23 Square Feet                | \$0.56          |
| <b>No. IW</b> —WYOMING; Tanned Yellow, Assorted, 15 to 25 Square Feet | .56             |
| <b>WIZARD</b> —RAWHIDE; Assorted, 12 to 20 feet to the Side           | .44             |
| Weight per 100 Square Feet about 40 lbs.                              |                 |

## CUT LACING.



|                                                             |                                 |
|-------------------------------------------------------------|---------------------------------|
|                                                             | Rawhide.                        |
| Width, inches                                               | 1/4 5/16 3/8 1/2 5/8 3/4        |
| Wgt. per 100 ft. about, lbs.                                | 3/4 1 1 1/4 2 2 1/2             |
| Per 100 feet                                                | \$1.00 1.25 1.50 2.00 2.75 3.25 |
| 100 Feet in a Bundle; Assorted Lengths 3 1/2 to 7 1/2 Feet. |                                 |

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**LACE LEATHER CUTTERS.**

Malleable Iron Body,  
Japanned; Best Grade  
Tool Steel Blade, Polish-  
ed; Nickel Plated Set  
Screw.

Empire.

Per Dozen

No. 60—To Cut Lace from  $\frac{3}{16}$  to  $\frac{1}{4}$  inch Wide;  
Weight per dozen about  $2\frac{1}{2}$  lbs. \$6.00  
One Dozen in a Cardboard Box.

**WASHER CUTTERS.**

Cast Steel Shank and Hand  
Piece; Polished Taper File Steel  
Blades; With Vise Setting Ad-  
justment.

Per Dozen

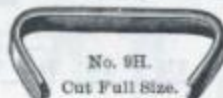
No. 313—To Cut Washers UP TO 3 INCHES in  
Diameter; Weight per dozen about  $4\frac{1}{2}$  lbs. \$11.00  
No. 315—To Cut Washers UP TO 7 INCHES in Di-  
ameter; Weight per dozen about 8 lbs. 14.00  
One Dozen in a Cardboard Box.

**BELT COUPLINGS.**

Cast Steel, Polished; Thread-  
ed Inside at Each End to Screw  
on Belt; Adapted for Round and  
Twisted Leather Belts.

| For Belts Sizes, inches.  | $\frac{1}{4}$ | $\frac{5}{16}$ | $\frac{3}{8}$  | $\frac{1}{2}$  | $\frac{5}{8}$  | $\frac{3}{4}$ |
|---------------------------|---------------|----------------|----------------|----------------|----------------|---------------|
| Length, inches            | $\frac{3}{4}$ | $1\frac{1}{8}$ | $1\frac{1}{4}$ | $1\frac{1}{2}$ | $2\frac{1}{4}$ | 2             |
| Wgt. per doz. about, lbs. | $\frac{3}{4}$ | $\frac{1}{4}$  | $\frac{1}{2}$  | $\frac{3}{4}$  | $1\frac{1}{2}$ | 2             |
| Per dozen                 | \$2.00        | 2.50           | 3.00           | 4.00           | 6.00           | 9.00          |

One Dozen in a Wood Box.

**BELT HOOKS.**

No. 9H.  
Cut Full Size.

Pointed.  
Cut From Flat  
Steel Wire.

| Nos.                 | 15H           | 14H           | 13H            | 12H           | 11H            |
|----------------------|---------------|---------------|----------------|---------------|----------------|
| Size, inches         | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{9}{16}$ | $\frac{1}{2}$ | $1\frac{1}{8}$ |
| Wgt. 100 about, lbs. | $\frac{1}{2}$ | $\frac{3}{4}$ | $\frac{1}{4}$  | $\frac{1}{2}$ | $\frac{1}{2}$  |
| Per 100              | \$0.20        | .24           | .26            | .28           | .30            |

| Nos.                 | 10H           | 9H             | 8H             | 7H             | 6H             |
|----------------------|---------------|----------------|----------------|----------------|----------------|
| Size, inches         | 1             | $1\frac{1}{8}$ | $1\frac{1}{4}$ | $1\frac{1}{2}$ | $1\frac{3}{4}$ |
| Wgt. 100 about, lbs. | $\frac{1}{2}$ | $\frac{3}{4}$  | 1              | $1\frac{1}{4}$ | 2              |
| Per 100              | \$0.35        | .40            | .50            | .60            | .85            |

| Nos.                 | 5H             | 4H             | 3H             | 2H             |
|----------------------|----------------|----------------|----------------|----------------|
| Size, inches         | $2\frac{1}{4}$ | $2\frac{3}{4}$ | $2\frac{1}{2}$ | $2\frac{1}{4}$ |
| Wgt. 100 about, lbs. | $2\frac{1}{4}$ | $2\frac{3}{4}$ | $2\frac{1}{2}$ | 3              |
| Per 100              | \$1.10         | 1.40           | 1.60           | 2.00           |

Nos. 15H to 5H, Two Hundred and Fifty. Nos. 4H to 2H,  
One Hundred in a Cardboard Box.

**BELT STUDS.**

No. 2LX

1LX

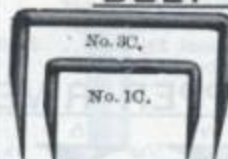
0LX

Cuts Full Size.

Stamped from Gun Me-  
tal; Cross Ends have  
Rounded Corners to Pre-  
vent Cutting the Belt and  
Insure Smooth Surface.

| Nos.                       | 2LX           | 1LX           | 0LX  |
|----------------------------|---------------|---------------|------|
| Weight per 100 about, lbs. | $\frac{1}{2}$ | $\frac{3}{4}$ | 1    |
| Per Box of 100             | \$1.25        | 1.65          | 2.00 |

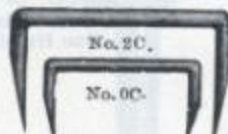
One Hundred in a Cardboard Box.

**BELT FASTENERS.**

No. 3C

No. 1C

Cuts Full  
Size.



No. 2C

No. 0C

**COVEL PATTERN.**

Cut from Steel Wire, Coppered.

No. 0C—For Single Leather and Light Rubber Belts;  
No. 1C—For All Belts Less than 4-ply; No. 2C—For  
Belts from 4 to 6-ply; No. 3C—For Belts from 6 to 10-ply.  
Nos. .... 0C 1C 2C 3C  
Wgt. Box of 200 about, lbs.  $\frac{1}{2}$   $\frac{3}{4}$  1  $1\frac{1}{2}$   
Per 100 ..... \$0.25 .25 .25 .25  
Two Hundred in a Cardboard Box.



3 in 4 Ply

Coppered Mal-  
leable Iron.  
For Single  
Leather Belts.

**No. 15F.  
STANDARD.**

| Nos.                                                                                           | 1F | 2F | 15F | 16F | 22F | 23F |
|------------------------------------------------------------------------------------------------|----|----|-----|-----|-----|-----|
| For 1, 2, $2\frac{1}{2}$ and 4 inch Belts; Weight<br>per 100 about 2 lbs.                      |    |    |     |     |     |     |
| No. 2F—For $1\frac{1}{2}$ , 3, $3\frac{1}{2}$ and 6 inch Belts; Weight<br>per 100 about 3 lbs. |    |    |     |     |     |     |
| For 4-ply Rubber and Double Leather Belts.                                                     |    |    |     |     |     |     |
| No. 3F—For 2 inch Belts; Weight per 100 about<br>7 lbs.                                        |    |    |     |     |     |     |
| No. 15F—For 3 inch Belts; Weight per 100 about<br>12 lbs.                                      |    |    |     |     |     |     |
| No. 16F—For 4 inch Belts; Weight per 100 about<br>16 lbs.                                      |    |    |     |     |     |     |
| For 5 and 6-ply Rubber and Heavy Double<br>Leather Belts.                                      |    |    |     |     |     |     |
| No. 22F—For 3 inch Belts; Weight per 100 about<br>20 lbs.                                      |    |    |     |     |     |     |
| No. 23F—For 4 inch Belts; Weight per 100 about<br>24 lbs.                                      |    |    |     |     |     |     |

For Belts Wider than above specified, use two or  
more Fasteners.  
Fifty in a Cardboard Box.

**BELT FASTENERS.**

Showing Method of Use.

Stamped from Cold Rolled Steel, Plain Finish; The Zig Zag Position of the Teeth Insures a Strong, Durable Joint.

|                                                                                                                                                | Per 100 |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| No. 1AAA—FOR SINGLE LEATHER, 3-ply Rubber, or Cotton Belts, $\frac{1}{2}$ to 4 inches Wide; Weight per 100 about $\frac{3}{4}$ lb. ....        | \$1.20  |
| No. 2AAA—FOR SINGLE OR LIGHT Double Leather, 4-ply Rubber, or Cotton Belts, 1 to 6 inches Wide; Weight per 100 about 1 $\frac{1}{4}$ lbs. .... | 2.00    |
| No. 3AAA—FOR DOUBLE LEATHER, 4 to 6-ply Rubber, or Cotton Belts, 1 inch Wide and Larger; Weight per 100 about 2 $\frac{3}{4}$ lbs. ....        | 3.40    |

One Hundred in a Cardboard Box.

**WIRE BELT LACING.**

Drawn from a Composition of Metals which is very Tough and Pliable.

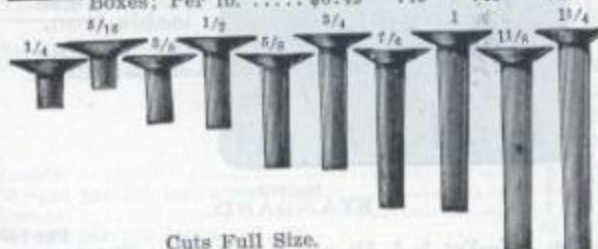
|                                                                                     | Per 1000 Feet |
|-------------------------------------------------------------------------------------|---------------|
| No. 0L—For Belts 3 inches Wide and Smaller; Weight per 1,000 feet about 5 lbs. .... | \$20.00       |
| No. 1L—For Belts from 3 to 5 inches Wide; Weight per 1,000 feet about 6 lbs. ....   | 20.00         |
| No. 2L—For Belts 5 to 15 inches Wide; Weight per 1,000 feet about 10 lbs. ....      | 20.00         |

Fifty Foot Coil in a Carton.

**COPPER RIVETS AND BURS**

Cuts Full Size.

| Length, inches                            | $\frac{5}{16}$ | $\frac{3}{8}$ | $\frac{7}{16}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$ | 1   | 1 $\frac{1}{8}$ | 1 $\frac{1}{4}$ | Assorted<br>$\frac{3}{8}$ to $\frac{3}{4}$ | $\frac{3}{4}$ to 1 |
|-------------------------------------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|-----|-----------------|-----------------|--------------------------------------------|--------------------|
| No. 7/H—IN HALF POUND Boxes; Per lb. .... | \$0.52         | .52           | .52            | .52           | .52           | .52           | .52           | .52 | .52             | .52             | .55                                        | .55                |
| No. 7/O—IN ONE POUND Boxes; Per lb. ....  | \$0.49         | .49           | .49            | .49           | .49           | .49           | .49           | .49 | .49             | .49             | .52                                        | .52                |



Cuts Full Size.

| Length, inches                            | $\frac{1}{4}$ | $\frac{5}{16}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$ | 1   | 1 $\frac{1}{8}$ | 1 $\frac{1}{4}$ | Assorted<br>$\frac{3}{8}$ to $\frac{3}{4}$ | $\frac{3}{4}$ to 1 |
|-------------------------------------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|-----|-----------------|-----------------|--------------------------------------------|--------------------|
| No. 8/H—IN HALF POUND Boxes; Per lb. .... | \$0.53        | .53            | .53           | .53           | .53           | .53           | .53           | .53 | .53             | .53             | .56                                        | .56                |
| No. 8/O—IN ONE POUND Boxes; Per lb. ....  | \$0.50        | .50            | .50           | .50           | .50           | .50           | .50           | .50 | .50             | .50             | .53                                        | .53                |
| Length, inches                            | $\frac{1}{4}$ | $\frac{5}{16}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$ | 1   | 1 $\frac{1}{8}$ | 1 $\frac{1}{4}$ | Assorted<br>$\frac{3}{8}$ to $\frac{3}{4}$ | $\frac{3}{4}$ to 1 |
| No. 9/H—IN HALF POUND Boxes; Per lb. .... | \$0.55        | .55            | .55           | .55           | .55           | .55           | .55           | .55 | .55             | .55             | .58                                        | .58                |
| No. 9/O—IN ONE POUND Boxes; Per lb. ....  | \$0.52        | .52            | .52           | .52           | .52           | .52           | .52           | .52 | .52             | .52             | .55                                        | .55                |

**COPPER BURS ONLY.**

Per Pound

No. 7—BURS ONLY; In Half Pound Boxes .... \$0.52



Per Pound

No. 8—BURS ONLY; In Half Pound Boxes .... \$0.53  
Cuts Full Size.

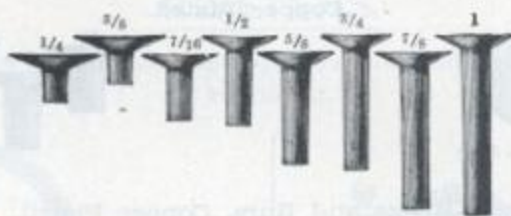


Per Pound

No. 9—BURS ONLY; In Half Pound Boxes .... \$0.55

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## COPPER RIVETS AND BURS.



| Length, inches                        | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{7}{16}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$ | $\frac{1}{1}$ | —Assorted—                     |                    |
|---------------------------------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|--------------------------------|--------------------|
| No. 10/H—IN HALF POUND Boxes; Per lb. | \$0.57        | .57           | .57            | .57           | .57           | .57           | .57           | .57           | $\frac{3}{8}$ to $\frac{3}{4}$ | $\frac{3}{4}$ to 1 |
| No. 10/O—IN ONE POUND Boxes; Per lb.  | \$0.54        | .54           | .54            | .54           | .54           | .54           | .54           | .54           | .57                            | .57                |



|                               |                |                                |               |
|-------------------------------|----------------|--------------------------------|---------------|
| Length, inches .....          | $\frac{5}{16}$ | $\frac{3}{8}$                  | $\frac{1}{2}$ |
| <b>No. 12/H—IN HALF-POUND</b> |                |                                |               |
| Boxes; Per lb. ....           | \$0.61         | .61                            | .61           |
|                               |                |                                | Assorted      |
| Length, inches .....          | $\frac{5}{8}$  | $\frac{3}{4}$ to $\frac{3}{4}$ |               |
| <b>No. 12/H—IN HALF-POUND</b> |                |                                |               |
| Boxes; Per lb. ....           | \$0.61         | .64                            |               |

|                       |             |                   |            |
|-----------------------|-------------|-------------------|------------|
| Length, inches .....  | <u>5/16</u> | <u>3/8</u>        | <u>1/2</u> |
| No. 12/0—IN ONE POUND |             |                   |            |
| Boxes; Per lb. ....   | \$0.58      | .58               | .58        |
| Assorted              |             |                   |            |
| Length, inches .....  | <u>5/8</u>  | <u>3/4 to 3/4</u> |            |
| No. 12/0—IN ONE POUND |             |                   |            |
| Boxes; Per lb. ....   | \$0.58      | .61               |            |

## BIFURCATED OR SLOTTED CLINCH RIVETS.



Soft Steel, Copper Plated; Self-clinching; Do not require Burs.

No. 50/S.

| Length, inches  | $\frac{4}{16}$ | $\frac{5}{16}$ | $\frac{6}{16}$ | $\frac{7}{16}$ | $\frac{8}{16}$ | $\frac{10}{16}$ |
|-----------------|----------------|----------------|----------------|----------------|----------------|-----------------|
| Per dozen Boxes | \$0.48         | .48            | .52            | .52            | .52            | .57             |

50 Rivets in a Cardboard Box, with Rivet Holder; 12 Boxes in a Carton; Weight per Carton about 1 1/2 lbs.

Per Dozen Boxes

No. 9—ASSORTED; 100 Rivets in a Box, 3/16 to 1/2 inch

100 Rivets Assorted in a Cardboard Box, with Rivet Holder; 12 Boxes in a Carton; Weight per Carton about 3 lbs.

Cuts Full Size.



| Length, inches                       | $\frac{3}{4}$ | $\frac{7}{8}$ | $\frac{1}{1}$ |
|--------------------------------------|---------------|---------------|---------------|
| No. 5/H—IN HALF-POUND Boxes; Per lb. | \$0.52        | .52           | .52           |
| No. 5/O—IN ONE POUND Boxes; Per lb.  | \$0.49        | .49           | .49           |

## COPPER BURS ONLY.



No. 10.



No. 12.



No. 1.

Per Pound

No. 10—BURS ONLY; In Half-Pound Boxes..... \$0.57

No. 12—BURS ONLY; In Half-Pound Boxes..... .61

No. 5—BURS ONLY; In Half-Pound Boxes..... .52

Cuts Full Size.

## COPPER RIVETS AND BURS.



In 1/4-lb. Papers. Per Doz. Papers

No. 84—ASSORTED No. 8, 3/8 to 3/4-inch..... \$1.74

No. 94—ASSORTED No. 9, 3/8 to 3/4-inch..... 1.80

One Dozen Papers in a Package.

# IRON RIVETS AND BURS.

Copper Plated.



Cut shows No. 7 Bur



No. 7.

Iron Rivets and Burs, Copper Plated.

Per Pound

|                                                                                        |        |
|----------------------------------------------------------------------------------------|--------|
| No. 7—ASSORTED, $\frac{3}{8}$ to $\frac{3}{4}$ inch; In $\frac{1}{2}$ -lb. Papers..... | \$9.43 |
| No. 8—ASSORTED, $\frac{3}{8}$ to $\frac{3}{4}$ inch; In $\frac{1}{2}$ -lb. Papers..... | .44    |
| No. 9—ASSORTED, $\frac{3}{8}$ to $\frac{3}{4}$ inch; In $\frac{1}{2}$ -lb. Papers..... | .45    |



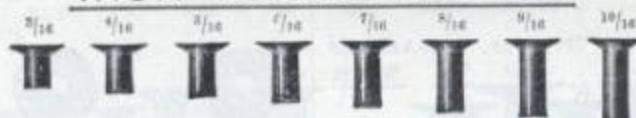
Iron Rivets and Burs, Copper Plated.

Per Dozen Papers

|                                                                                          |        |
|------------------------------------------------------------------------------------------|--------|
| No. 7CP—ASSORTED, $\frac{3}{8}$ to $\frac{3}{4}$ inch; In $\frac{1}{4}$ -lb. Papers..... | \$1.41 |
| No. 8CP—ASSORTED, $\frac{3}{8}$ to $\frac{3}{4}$ inch; In $\frac{1}{4}$ -lb. Papers..... | 1.44   |
| No. 9CP—ASSORTED, $\frac{3}{8}$ to $\frac{3}{4}$ inch; In $\frac{1}{4}$ -lb. Papers..... | 1.47   |

One Dozen Papers in a Package.

## IRON TUBULAR RIVETS.

No. 1 Size.  $\frac{9}{64}$ -inch. In Cartons of 12 Boxes each.

|                                             |                      |                                        |                |                |                |                |                |                |                 |
|---------------------------------------------|----------------------|----------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|
| No. 50 —JAPANNED; 50 Rivets in each Box.... | } Size, inches ..... | $\frac{3}{16}$                         | $\frac{4}{16}$ | $\frac{5}{16}$ | $\frac{6}{16}$ | $\frac{7}{16}$ | $\frac{8}{16}$ | $\frac{9}{16}$ | $\frac{10}{16}$ |
| No. 50C—COPPERED; 50 Rivets in each Box.... |                      | \$0.68                                 | .68            | .68            | .72            | .78            | .86            | .94            | 1.00            |
| No. A—JAPANNED; 50 Rivets in each Box....   | } Assorted .....     | $\frac{3}{16}$ to $\frac{1}{2}$ -inch. |                |                |                |                |                |                |                 |
| No. E—COPPERED; 50 Rivets in each Box....   |                      | Per dozen boxes .....                  |                |                |                |                |                |                |                 |
| No. C—JAPANNED; 50 Rivets in each Box....   | } Assorted .....     | $\frac{1}{4}$ to $\frac{5}{8}$ -inch.  |                |                |                |                |                |                |                 |
| No. G—COPPERED; 50 Rivets in each Box....   |                      | Per dozen boxes .....                  |                |                |                |                |                |                |                 |
| No. B—JAPANNED; 100 Rivets in each Box....  | } Assorted .....     | $\frac{3}{16}$ to $\frac{1}{2}$ -inch. |                |                |                |                |                |                |                 |
| No. F—COPPERED; 100 Rivets in each Box....  |                      | Per dozen boxes .....                  |                |                |                |                |                |                |                 |
| No. D—JAPANNED; 100 Rivets in each Box....  | } Assorted .....     | $\frac{1}{4}$ to $\frac{5}{8}$ -inch.  |                |                |                |                |                |                |                 |
| No. H—COPPERED; 100 Rivets in each Box....  |                      | Per dozen boxes .....                  |                |                |                |                |                |                |                 |

50 Rivets in a Cardboard Box; Weight per Carton about 1½ lbs.; 100 Rivets in a Cardboard Box; Weight per Carton about 3 lbs.

In Boxes of 1,000 Each.

|                                                      |                      |                |                |                |                |                |                 |                |                 |
|------------------------------------------------------|----------------------|----------------|----------------|----------------|----------------|----------------|-----------------|----------------|-----------------|
| No. 1 —JAPANNED, $\frac{9}{64}$ -inch Diameter ..... | } Size, inches ..... | $\frac{3}{16}$ | $\frac{4}{16}$ | $\frac{5}{16}$ | $\frac{6}{16}$ | $\frac{7}{16}$ | $\frac{8}{16}$  | $\frac{9}{16}$ | $\frac{10}{16}$ |
| No. 1C—COPPERED, $\frac{9}{64}$ -inch Diameter ..... |                      | \$0.95         | .95            | .95            | 1.05           | 1.15           | 1.25            | 1.35           | 1.45            |
| No. 3 —JAPANNED, $\frac{3}{16}$ -inch Diameter ..... | } Size, inches ..... | $\frac{5}{16}$ | $\frac{6}{16}$ | $\frac{7}{16}$ | $\frac{8}{16}$ | $\frac{9}{16}$ | $\frac{10}{16}$ |                |                 |
| No. 3C—COPPERED, $\frac{3}{16}$ -inch Diameter ..... |                      | \$1.85         | 1.95           | 2.05           | 2.15           | 2.25           | 2.35            |                |                 |

TRADE MARK:  
"KLINCHER,"  
REGISTERED.

MT



## RIVETERS.

Riveters can be Used Only in Connection with Tubular Rivets. No Punch or Rivet Set Required.



### SIMMONS.

Per Dozen

No. 4—Cast Iron, Japanned, with Raised Gilt Finish Letters, Polished Steel Plunger and Set; Oil Tempered Coil Spring; Height 6 1/4 inches; Base 5 9/16 x 1 15/16 inches; Weight per dozen about 48 lbs. ....\$12.00

One-twelfth Dozen in a Cardboard Box.



Per Dozen

No. M—MONARCH; Malleable Iron Handle; Balance Cast Iron; Steel Plunger; 6 inches High, 7 inches Long; Weight per dozen about 15 lbs. ....\$15.00

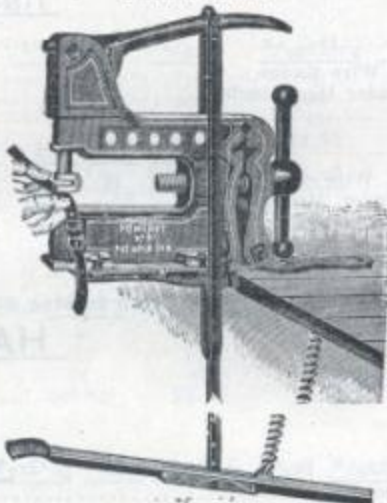
One-quarter Dozen in a Cardboard Carton.



Per Dozen

No. 500—"LITTLE GIANT" Riveters; Cast Iron, Japanned; Steel Plunger; 6 inches High, Base 1 1/4 inches Long; Weight per dozen about 42 lbs. ....\$10.50

Packed Loose.



Per Dozen

No. J301 1/4—Japanned; 9 inches High, 10 1/4 inches Long, with Attachments for Riveting Loops on Straps, also Pipe Vise with Steel Jaws; With Foot Power; Weight per dozen about 240 lbs. ....\$189.00

Packed Loose.

## COTTER PIN EXTRACTORS.



Per Dozen

No. 10—Tool Steel, Japanned, with Blued Ends; Length over all 8 inches; Weight per dozen about 2 1/4 lbs. ....\$6.00

One Dozen in a Cardboard Box.

## IRON RIVETS.



## BLACK IRON RIVETS.

| BLACK IRON RIVETS.        |        |       |        |       |       |       |       |       |       |       |       |       |       |      | 8      | 10    | 12     |
|---------------------------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|-------|--------|
| Ounces                    |        |       |        |       |       |       |       |       |       |       |       |       |       |      | 13 1/4 | 13    | 12 3/4 |
| Diameter, Wire Gauge      |        |       |        |       |       |       |       |       |       |       |       |       |       |      | 5/32   | 11/64 | 3/16   |
| Length Under Head, inches |        |       |        |       |       |       |       |       |       |       |       |       |       |      | \$0.20 | .22   | .24    |
| Per 1,000                 |        |       |        |       |       |       |       |       |       |       |       |       |       |      |        |       |        |
| Pounds                    | 1      | 1 1/4 | 1 1/2  | 1 3/4 | 2     | 2 1/2 | 3     | 4     | 5     | 6     | 7     | 8     | 10    | 12   |        |       |        |
| Diameter, Wire Gauge      | 11 1/4 | 11    | 10 1/4 | 10    | 9 1/4 | 9     | 8 1/4 | 7 1/4 | 6 3/4 | 6     | 5 1/4 | 4 3/4 | 4     | 3    |        |       |        |
| Length Under Head, in.    | 13/64  | 7/32  | 15/64  | 1/4   | 17/64 | 9/32  | 5/16  | 11/32 | 3/8   | 25/64 | 13/32 | 7/16  | 15/32 | 1/2  |        |       |        |
| Per 1,000                 | \$0.27 | .29   | .33    | .37   | .42   | .55   | .60   | .76   | .90   | 1.08  | 1.26  | 1.44  | 1.75  | 1.96 |        |       |        |

## TINNED IRON RIVETS.

|                           | TINNED WIRE      |                 |                  |                 |                 |                 |                 |                 |                 |       |                 |                 |       |      |                  |       |                  |
|---------------------------|------------------|-----------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------|-----------------|-----------------|-------|------|------------------|-------|------------------|
| Ounces                    |                  |                 |                  |                 |                 |                 |                 |                 |                 |       |                 |                 |       |      | 8                | 10    | 12               |
| Diameter, Wire Gauge      |                  |                 |                  |                 |                 |                 |                 |                 |                 |       |                 |                 |       |      | 13 $\frac{1}{4}$ | 13    | 12 $\frac{3}{4}$ |
| Length Under Head, inches |                  |                 |                  |                 |                 |                 |                 |                 |                 |       |                 |                 |       |      | 5/32             | 11/64 | 3/16             |
| Per 1,000                 |                  |                 |                  |                 |                 |                 |                 |                 |                 |       |                 |                 |       |      | \$0.28           | .31   | .35              |
| Pounds                    | 1                | 1 $\frac{1}{4}$ | 1 $\frac{1}{2}$  | 1 $\frac{3}{4}$ | 2               | 2 $\frac{1}{2}$ | 3               | 4               | 5               | 6     | 7               | 8               | 10    | 12   |                  |       |                  |
| Diameter, Wire Gauge      | 11 $\frac{1}{4}$ | 11              | 10 $\frac{1}{4}$ | 10              | 9 $\frac{1}{4}$ | 9               | 8 $\frac{1}{4}$ | 7 $\frac{1}{4}$ | 6 $\frac{3}{4}$ | 6     | 5 $\frac{1}{4}$ | 4 $\frac{3}{4}$ | 4     | 3    |                  |       |                  |
| Length Under Head, in.    | 13/64            | 7/32            | 15/64            | 1/4             | 17/64           | 9/32            | 5/16            | 11/32           | 3/8             | 25/64 | 13/32           | 7/16            | 15/32 | 1/2  |                  |       |                  |
| Per 1,000                 | \$0.42           | .48             | .55              | .64             | .72             | .83             | 1.05            | 1.36            | 1.65            | 1.98  | 2.31            | 2.64            | 3.25  | 3.76 |                  |       |                  |

1,000 in a Package.

For making Stove Pipe, 1 and 1 1/4 lbs. are used.

## HAME RIVETS.



No. 7—Hame Rivets.

|                    | 7/8        | 1   |
|--------------------|------------|-----|
| Size, inches ..... | \$0.21 1/2 | .21 |
| Per pound .....    |            |     |

## IRON RIVETING BURS.



No. 7.



No. 8.



No. 9.

Tinned Iron.

|                                | 7      | 8    | 9   |
|--------------------------------|--------|------|-----|
| For Rivets, Nos. ....          | 7      | 8    | 9   |
| Size of Hole, inches .....     | 3/4    | 3/4  | 3/4 |
| Outside Diameter, inches ..... | 1 1/2  | 7/16 | 3/8 |
| Gauge of Iron .....            | 16     | 18   | 18  |
| Number in a lb., about .....   | 350    | 525  | 620 |
| Per lb. ....                   | \$0.43 | .44  | .45 |



Showing Burr for 3/16 in B 4t.



Showing Burr for 1/4 in. Bolt

Wrought Iron, Self-Color.

|                                | 3/16   | 1/4   |
|--------------------------------|--------|-------|
| For Bolt, inches .....         | 3/16   | 1/4   |
| Size of Hole, inches .....     | 13/64  | 17/64 |
| Outside Diameter, inches ..... | 1/2    | 5/8   |
| Gauge of Iron, Number .....    | 18     | 18    |
| Number in a lb., about .....   | 450    | 300   |
| Per lb. ....                   | \$0.28 | .29   |

One Pound in a Package.

Cuts Full Size.

-1045-

# SPRING COTTERS.



Cuts Full Size.  
Half-round Spring Wire; Natural Finish.  
Length is from Point to Neck under Eye.

## IN BOXES.

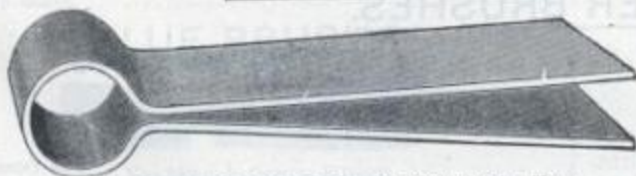
| Size.....                    | $\frac{3}{32} \times \frac{3}{4}$ | $\frac{3}{32} \times 1$            | $\frac{1}{8} \times 1$             | $\frac{1}{8} \times 1\frac{1}{4}$ | $\frac{1}{8} \times 1\frac{1}{2}$ | $\frac{1}{8} \times 2$            | $\frac{3}{16} \times 1\frac{1}{4}$ | $\frac{3}{16} \times 1\frac{1}{2}$ |
|------------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|
| No. Wire Gauge.....          | 13                                | 13                                 | 11                                 | 11                                | 11                                | 11                                | 7                                  | 7                                  |
| Quantity in a Box....        | 1000                              | 1000                               | 1000                               | 500                               | 500                               | 500                               | 500                                | 500                                |
| Wgt. 1000 about, lbs.        | 2 $\frac{1}{4}$                   | 2 $\frac{1}{4}$                    | 5                                  | 6                                 | 7                                 | 9                                 | 12                                 | 14                                 |
| Per 1000.....                | \$4.15                            | 4.80                               | 6.70                               | 7.55                              | 8.40                              | 10.10                             | 14.50                              | 16.20                              |
| Size.....                    | $\frac{3}{16} \times 2$           | $\frac{3}{16} \times 2\frac{1}{2}$ | $\frac{3}{16} \times 3$            | $\frac{1}{4} \times 1\frac{1}{4}$ | $\frac{1}{4} \times 1\frac{1}{2}$ | $\frac{1}{4} \times 1\frac{3}{4}$ | $\frac{1}{4} \times 2$             | $\frac{1}{4} \times 2\frac{1}{2}$  |
| No. Wire Gauge.....          | 7                                 | 7                                  | 7                                  | 4                                 | 4                                 | 4                                 | 4                                  | 4                                  |
| Quantity in a Box....        | 250                               | 250                                | 250                                | 250                               | 250                               | 250                               | 250                                | 250                                |
| Wgt. 1000 about, lbs.        | 16                                | 22                                 | 24                                 | 24                                | 25                                | 26                                | 28                                 | 32                                 |
| Per 1000.....                | \$19.60                           | 23.00                              | 26.40                              | 23.50                             | 27.00                             | 30.50                             | 34.00                              | 41.00                              |
| Size.....                    | $\frac{1}{4} \times 3$            | $\frac{5}{16} \times 2$            | $\frac{5}{16} \times 2\frac{1}{2}$ | $\frac{5}{16} \times 3$           |                                   |                                   |                                    |                                    |
| No. Wire Gauge.....          | 4                                 | 1                                  | 1                                  | 1                                 |                                   |                                   |                                    |                                    |
| Quantity in a Box.....       | 250                               | 250                                | 125                                | 125                               |                                   |                                   |                                    |                                    |
| Weight 1000 about, lbs. .... | 34                                | 46                                 | 48                                 | 50                                |                                   |                                   |                                    |                                    |
| Per 1000 .....               | \$48.00                           | 52.50                              | 62.50                              | 72.50                             |                                   |                                   |                                    |                                    |

## IN BULK.

| Size.....                      | $\frac{3}{8} \times 2$ | $\frac{3}{8} \times 2 \frac{1}{4}$ | $\frac{3}{8} \times 2 \frac{1}{2}$ | $\frac{3}{8} \times 3$ | $\frac{3}{8} \times 3 \frac{1}{2}$ | $\frac{3}{8} \times 4$ | $\frac{1}{2} \times 2 \frac{1}{2}$ | $\frac{1}{2} \times 3$ | $\frac{1}{2} \times 3 \frac{1}{2}$ | $\frac{1}{2} \times 4$ | $\frac{5}{8} \times 3$ | $\frac{5}{8} \times 3 \frac{1}{2}$ |
|--------------------------------|------------------------|------------------------------------|------------------------------------|------------------------|------------------------------------|------------------------|------------------------------------|------------------------|------------------------------------|------------------------|------------------------|------------------------------------|
| Weight per 1000 about, lbs.... | 70                     | 80                                 | 86                                 | 100                    | 110                                | 120                    | 125                                | 190                    | 210                                | 230                    | 320                    | 390                                |
| Per 1000.....                  | \$86.40                | 93.60                              | 100.80                             | 115.20                 | 129.60                             | 144.00                 | 178.50                             | 208.50                 | 238.50                             | 268.50                 | 384.00                 | 424.00                             |

No. 100A—ASSORTMENT OF 100 SPRING COTTERS; Consisting of 20 Each  $\frac{3}{32} \times \frac{3}{4}$ ,  $\frac{1}{8} \times 1$ ,  $\frac{5}{16} \times 1 \frac{1}{4}$  inch; 10 Each  $\frac{3}{16} \times 1 \frac{1}{2}$ ,  $\frac{3}{16} \times 1 \frac{3}{4}$ ,  $\frac{1}{4} \times 2$ ,  $\frac{5}{16} \times 2 \frac{1}{2}$  inch; Weight per box about  $1 \frac{1}{2}$  lbs. .... \$1.00

## FLAT SPRING KEYS.

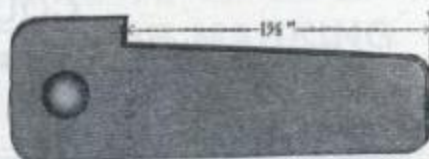


The Length is from Point to Neck under Eye.  
Stamped from Spring Steel  $\frac{1}{16}$  inch Thick; Natural Finish.

| Size.....                   | $\frac{1}{2} \times 2$ | $\frac{1}{2} \times 2 \frac{1}{2}$ | $\frac{1}{2} \times 3$ | $\frac{5}{8} \times 2 \frac{1}{2}$ | $\frac{5}{8} \times 3$ |
|-----------------------------|------------------------|------------------------------------|------------------------|------------------------------------|------------------------|
| Weight per 1000 about, lbs. | 40                     | 50                                 | 60                     | 70                                 | 80                     |
| Per 1000.....               | \$70.00                | 82.00                              | 94.00                  | 97.50                              | 110.50                 |

In Bulk.

## \*FLAT RIVETED KEYS.



Furnished in any size or style wanted.  
Prices quoted on application according to specifications.

**WHISK BROOMS.**

With Handles.



No. 02.

No. 01.

Per Dozen

No. 02—FULL BROOM CORN Stock; Length to Handle 7 inches; Stock Fastened to Handle by Bright Wound Wire; Black Enameled Wood Handle 3½ inches Long; Two Stitches; Width at Bottom 6½ inches; Weight per dozen about 3½ lbs. \$2.00

No. 01—MIXED BROOM CORN Stock; Length to Handle 8½ inches; Bright Wire Wound Handle 2½ inches Long; Velvet Tip; One Stitch; Width at Bottom 6 inches; Weight per dozen about 3½ lbs. 1.50  
One Dozen in a Cardboard Box.

**CASTING BRUSHES.**

Per Dozen

No. 2W/0—STEEL WIRE; 4 Rows Wide, 10 Rows Long, Securely Fastened to Block with Steel Wire Staples; Natural Finish Hardwood Block, Size 2½x8 inches; Length of Wire Exposed 4 inches; Weight per dozen about 15 lbs. \$7.50

Packed Loose.

**FLOOR BRUSHES.**

With Handles.



ALL BLACK SELECTED STIFF HORSE HAIR, 2¼ inch Stock, Wire Drawn to Lower Joint of Block; Can be used in Oil; Two-piece Hardwood Block, Cherry Stained Finish, Securely Screwed together, with Two Screw Holes for Handle; Complete with 4½ Foot Hardwood Handle.

| Nos.                         | 312F    | 314F  | 316F  |
|------------------------------|---------|-------|-------|
| Size of Face, inches         | 4x14    | 4x16  | 4x18  |
| Weight per dozen about, lbs. | 30      | 34    | 39    |
| Per dozen                    | \$20.00 | 26.00 | 32.00 |

One-quarter Dozen in a Cardboard Box.



MIXED GRAY AND BLACK TAMPICO 3 inch Stock, Wired to Lower Joint of Block; Two Piece Hardwood Block, Securely Nailed Together, Sand Papered, Natural Finish and Varnished, with Two Holes for Handles; 4½ foot Hardwood Handle, Natural Finish.

| Nos.                         | 412    | 414   |
|------------------------------|--------|-------|
| Size of Face, inches         | 4x15   | 4x17  |
| Weight per dozen about, lbs. | 8      | 10    |
| Per dozen                    | \$9.00 | 12.00 |

One-half Dozen in a Cardboard Box.

**STENCIL DAUBERS.**

Per Dozen

No. 60—MIXED GRAY AND BLACK 1½ INCH BRISTLES, Glued in Black Enameled Wood Handle; Length over all 5½ inches; Weight per dozen about 1½ lbs. \$2.00

**COUNTER BRUSHES.**

BLACK BRISTLE CENTER, WITH WHITE BRISTLE BORDER; 2¼ inch Stock, Glue Set; Solid Hardwood Block and Handle, Maroon Stained and Varnished.

| Nos.                         | 1      | 2    | 3     |
|------------------------------|--------|------|-------|
| Size of Face, inches         | 4x9½   | 4x11 | 4x11½ |
| Length over all, inches      | 15¼    | 16¼  | 17¼   |
| Weight per dozen about, lbs. | 5      | 7    | 7     |
| Per dozen                    | \$4.50 | 5.00 | 6.00  |

One-half Dozen in a Cardboard Box.



Per Dozen

No. 82—BLACK TAMPICO CENTER, WITH GRAY BRISTLE BORDER; 2¼ inch Stock, Glue Set; Solid Hardwood Block and Handle, Natural Finish and Varnished; Size of Face 3½x9 inches; Length over all 15½ inches; Weight per dozen about 6 lbs. \$3.00

**COUNTER BRUSHES.****COUNTER.**

BLACK TAMPICO CENTER WITH BLACK BRISTLE BORDER. Wired in Block; Solid Oak Wood Block and Handle, with Spliced Top, Nailed to Block; Natural Finish and Varnished.

No. 200—Size of Face 3½x9 inches; Length of Bristles 2 inches; Length over all 15 inches; Weight per dozen about 8 lbs. \$6.00

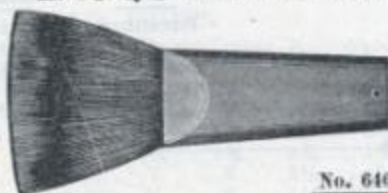
Per Dozen

One-half Dozen in a Cardboard Box.



Extra Heavy Quality 2½ inch Bristles; MIXED GRAY CENTER AND ENDS; WHITE CENTER BORDER; Glue Set; Solid Hardwood Block and Handle; Maroon Stained and Varnished.

| Nos.                             | 100    | 300  | 500   |
|----------------------------------|--------|------|-------|
| Size of Face, inches.....        | 4½x10  | 5x11 | 5½x12 |
| Length over all, inches.....     | 16½    | 17½  | 18½   |
| Weight per dozen about, lbs..... | 6      | 7    | 8     |
| Per dozen .....                  | \$6.00 | 8.00 | 10.00 |

**LACQUERING OR VARNISH BRUSHES.**

CAMEL HAIR. Glue Set; Metal Ferrule; Red or Black Enamelled Handle; Especially Adapted for Applying Third Coat or Transparent Varnish.

**No. 646—Round.**

| Size, Nos.                       | 1      | 2    | 3    | 4    | 5    | 6    | 1 to 6 Ass'd. |
|----------------------------------|--------|------|------|------|------|------|---------------|
| Diameter at Ferrule, inches..... | ¾      | 5/16 | ¾    | ¾    | 5/16 | 5/16 | ¾ to 5/16     |
| Length Bristles, inches.....     | 5      | ¾    | ¾    | 1    | 1½   | 1½   | ¾ to 1½       |
| Length over all, inches.....     | 7      | 7¼   | 7½   | 8    | 8½   | 8¾   | 7 to 8¾       |
| Weight per dozen about, lbs..... | ¾      | ¾    | ¾    | 3/16 | 3/16 | 3/16 | 3/16          |
| Per dozen .....                  | \$2.00 | 2.25 | 2.50 | 3.00 | 3.25 | 3.50 | 3.00          |

**No. 647—Flat.**

| Width at Ferrule, inches.....    | 3/8    | 1/2  | 5/8  | ¾    | 7/8  | 1    | 3/8 to 1 |
|----------------------------------|--------|------|------|------|------|------|----------|
| Length Bristles, inches.....     | 5      | 5    | 5    | 1    | 1½   | 1½   | ¾ to 1½  |
| Length over all, inches.....     | 6¾     | 7¾   | 8    | 8¼   | 9    | 9½   | 6¾ to 9½ |
| Weight per dozen about, lbs..... | ¾      | ¾    | ¾    | 3/16 | 3/16 | 3/16 | 3/16     |
| Per dozen .....                  | \$1.00 | 2.25 | 2.75 | 3.25 | 3.75 | 4.25 | 3.25     |

One Dozen in a Cardboard Box.

**GLUE BRUSHES.****No. 42—Round Rubberset.**

Best Quality All White Bristle; Vulcanized, Hard Rubber Bound; Natural Finish Hardwood Handle.

| Sizes                            | 1      | 2    | 3    | 4    | 5    | 6    | 7    |
|----------------------------------|--------|------|------|------|------|------|------|
| Diameter, inches.....            | ¾      | ¾    | ¾    | ¾    | 1    | 1½   | 1½   |
| Weight per dozen about, lbs..... | 1      | 1½   | 1½   | 2    | 2¼   | 2½   | 3    |
| Per dozen .....                  | \$1.64 | 2.09 | 2.42 | 3.10 | 4.00 | 5.20 | 6.60 |

**GLUE BRUSHES.****No. 181—Adams Extra.**

Selected Quality All Grey Bristle; Polished Stamped Steel Ferrule; Natural Finish Hardwood Handle.

| Sizes                            | 22     | 24   | 27   |
|----------------------------------|--------|------|------|
| Diameter, inches.....            | 1½     | 1½   | 1½   |
| Weight per dozen about, lbs..... | 6      | 7    | 8    |
| Per dozen .....                  | \$6.10 | 7.76 | 9.48 |

One Dozen in a Cardboard Box.

**ARTISTS OR MARKING BRUSHES.****No. 653—Double Ended.**

Selected Camel Hair; Polished Metal Ferrules; Natural Finish Hardwood Handle.

| Sizes                            | 2      | 4    | 6    | 8    |
|----------------------------------|--------|------|------|------|
| Weight per dozen about, lbs..... | ¼      | ¼    | ¾    | 1    |
| Per dozen .....                  | \$5.50 | 6.00 | 7.00 | 8.50 |

TRADE MARK:  
"PENNANT"  
REGISTERED.

-1054-

## FEATHER DUSTERS

All our Dusters are kept in CLOSED CLOSETS, LINED WITH TAR PAPER, and are Guaranteed to leave us in Good Condition. Makes our Dusters worth double what others ask for the Same Dusters not kept Free from Moths and other Insects, etc.

## TURKEY, SPLIT.

Feathers Wired to Block, STANDARD 100 COUNT; Detachable Black Enameled Wood Handle.

| Nos.                         | 10T    | 12T  | 14T  | 15T  | 16T  | 18T   |
|------------------------------|--------|------|------|------|------|-------|
| Length of Duster, inches     | 10     | 12   | 14   | 15   | 16   | 18    |
| Length of Handle, inches     | 10     | 11   | 13   | 15   | 15½  | 16    |
| Weight per dozen about, lbs. | 6      | 7    | 7    | 8    | 9    | 9     |
| Per dozen                    | \$4.50 | 6.00 | 8.00 | 8.50 | 9.50 | 11.00 |

Full and Soft Feathers, Wired to Block, STANDARD 100 COUNT; Detachable Black Enameled Wood Handle.

| Nos.                         | 13F        | 14C       | 15C   |
|------------------------------|------------|-----------|-------|
|                              | Furniture. | Carriage. | Car.  |
| Length of Duster, inches     | 13         | 14        | 15    |
| Length of Handle, inches     | 13½        | 14        | 15    |
| Weight per dozen about, lbs. | 7          | 8         | 9     |
| Per dozen                    | \$9.00     | 10.00     | 11.00 |



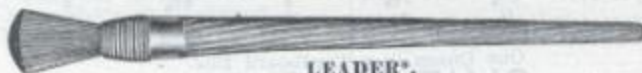
## OSTRICH, BELL.

Gray Feathers, Full Center, Glue Set; Detachable Black Enameled Wood Handle.

| Nos.                         | 6/O    | 8/O  | 10/O  | 12/O  | 14/O  | 16/O  | 18/O  | 20/O  | 22/O  |
|------------------------------|--------|------|-------|-------|-------|-------|-------|-------|-------|
| Length of Duster, inches     | 6      | 8    | 10    | 12    | 14    | 16    | 18    | 20    | 22    |
| Length Handle, inches        | 7½     | 9½   | 11½   | 12¾   | 15    | 17    | 19    | 21    | 22½   |
| Weight per dozen about, lbs. | 4      | 4    | 5     | 6     | 7     | 8     | 9     | 10    | 10    |
| Per dozen                    | \$3.25 | 5.75 | 10.00 | 16.00 | 25.00 | 40.00 | 46.00 | 51.00 | 55.00 |

Packed Loose; Wrapped in Paper.

## SASH BRUSHES.



## LEADER.

ALL WHITE BRISTLES, Glue Set; Red Enameled Wire Ferrule; Plain White Wood Handle.

| Nos.                         | 2W     | 4W   | 6W   |
|------------------------------|--------|------|------|
| Diameter at Ferrule, inches  | ½      | ¾    | ¾    |
| Length Bristles, inches      | 1½     | 1¾   | 1¾   |
| Length over all, inches      | 8½     | 9    | 10½  |
| Weight per dozen about, lbs. | ¾      | ¾    | 1    |
| Per dozen                    | \$0.75 | 1.00 | 1.25 |

## ROYAL.

FRENCH WHITE BRISTLES, Glue Set; Black Enameled Wire Ferrule; Plain White Wood Handle.

| Nos.                         | 13W    | 14W   | 15W   | 16W   | 18W  |
|------------------------------|--------|-------|-------|-------|------|
| Diameter at Ferrule, inches  | 9/16   | 11/16 | 12/16 | 12/16 | ¾    |
| Length Bristles, inches      | 1½     | 1¾    | 2½    | 2¾    | 2¾   |
| Length over all, inches      | 8½     | 8½    | 9½    | 9½    | 10   |
| Weight per dozen about, lbs. | ½      | ¾     | 1     | 1¾    | 1¾   |
| Per dozen                    | \$1.50 | 1.75  | 2.00  | 2.40  | 3.00 |



## PENNANT.

CHINESE FINE BLACK BRISTLES, Glue Set, Chisel Point; Metal Ferrule; Cedar Handle. Varnished and Polished.

| Nos.                         | 21B    | 22B   | 23B    | 24B    | 25B    | 26B   | 28B   | 30B  |
|------------------------------|--------|-------|--------|--------|--------|-------|-------|------|
| Diameter at Ferrule, inches  | ½      | ¾     | ¾      | ¾      | 15/16  | 1     | 1¾    | 1¾   |
| Length Bristles, inches      | 1½     | 19/16 | 11½/16 | 11½/16 | 11½/16 | 2     | 2¾/16 | 2¾   |
| Length over all, inches      | 8½     | 8¾    | 8½/16  | 9¾     | 9½/16  | 9½/16 | 10½   | 10½  |
| Weight per dozen about, lbs. | ½      | ¾     | ¾      | 1      | 1½     | 1¾    | 2     | 2¾   |
| Per dozen                    | \$2.00 | 2.25  | 2.50   | 3.00   | 3.50   | 4.00  | 5.00  | 6.00 |

One Dozen in a Cardboard Box.



TRADE MARK:  
"PENNANT"  
REGISTERED.

-1055-

# FLAT VARNISH BRUSHES.



## LEADER\*.

THIN FLAT WHITE BRISTLES, Glue Set; Metal Ferrule; Plain White Wood Handle.

| Nos.                         | 60W    | 61W | 62W  | 63W  |
|------------------------------|--------|-----|------|------|
| Width, inches                | 1      | 1½  | 2    | 2½   |
| Length Bristles, inches      | 1½     | 1½  | 1½   | 1½   |
| Length over all, inches      | 7      | 7¾  | 8¾   | 8¾   |
| Weight per dozen about, lbs. | ½      | ¾   | 1    | 1¼   |
| Per dozen                    | \$0.60 | .80 | 1.15 | 1.50 |



## BLACK CHIEF\*.

CHINESE BLACK BRISTLES, Glue Set, Chisel Point; Metal Ferrule; Yellow Stained Wood Handle.

| Nos.                         | 70B    | 71B  | 72B  | 73B  |
|------------------------------|--------|------|------|------|
| Width, inches                | 1      | 1½   | 2    | 2½   |
| Length Bristles, inches      | 1½     | 1½   | 1½   | 1½   |
| Length over all, inches      | 7      | 8    | 8½   | 9    |
| Weight per dozen about, lbs. | ½      | ¾    | 1¼   | 1½   |
| Per dozen                    | \$0.80 | 1.15 | 1.50 | 2.00 |



## METEOR\*.

WHITE BRISTLES, Glue Set, Chisel Point; Metal Ferrule; Round Wood Handle, Black Enamelled.

| Nos.                         | 80W    | 81W  | 82W  | 83W  |
|------------------------------|--------|------|------|------|
| Width, inches                | 1      | 1½   | 2    | 2½   |
| Length Bristles, inches      | 1½     | 1½   | 1½   | 1½   |
| Length over all, inches      | 6¼     | 6¾   | 7¾   | 8    |
| Weight per dozen about, lbs. | ½      | ¾    | 1¼   | 2    |
| Per dozen                    | \$1.15 | 1.50 | 2.00 | 2.75 |



## ELECTRIC\*.

CHINESE BLACK BRISTLES, Extra Thick, Glue Set, Chisel Point; Metal Ferrule; Varnished Wood Handle.

| Nos.                         | 110B   | 111B | 112B | 113B |
|------------------------------|--------|------|------|------|
| Width, inches                | 1      | 1½   | 2    | 2½   |
| Length Bristles, inches      | 1½     | 1½   | 1½   | 1½   |
| Length over all, inches      | 7¾     | 8¾   | 8¾   | 8¾   |
| Weight per dozen about, lbs. | ¾      | 1¼   | 1½   | 2¼   |
| Per dozen                    | \$1.50 | 2.50 | 3.25 | 4.00 |



## PENNANT\*.

CHINESE SELECTED BLACK BRISTLES, Extra Thick, Glue Set, Chisel Point; Metal Ferrule; Polished and Varnished Maroon Wood Handle.

| Nos.                         | 140B   | 141B | 142B | 143B  |
|------------------------------|--------|------|------|-------|
| Width Bristles, inches       | 1      | 1½   | 2    | 2½    |
| Length Bristles, inches      | 2      | 2¼   | 2¾   | 2¾    |
| Length over all, inches      | 8      | 8¾   | 9¾   | 10    |
| Weight per dozen about, lbs. | 1      | 1½   | 2¼   | 3¼    |
| Per Dozen                    | \$3.50 | 5.00 | 6.50 | 10.00 |

Economy Nos. 90B, 91B, 92B and 93B, One Dozen in a Package; Balance Page One Dozen in a Cardboard Box.



## ECONOMY\*.

CHINESE BLACK BRISTLES, Extra Thick, Glue Set, Chisel Point; Metal Ferrule; Yellow Stained Wood Handle.

| Nos.                         | 90B    | 91B  | 92B  | 93B  |
|------------------------------|--------|------|------|------|
| Width, inches                | 1      | 1½   | 2    | 2½   |
| Length Bristles, inches      | 1½     | 1½   | 1½   | 1½   |
| Length over all, inches      | 7½     | 8    | 8½   | 9    |
| Weight per dozen about, lbs. | 1      | 1½   | 2    | 3    |
| Per dozen                    | \$1.25 | 1.75 | 2.50 | 3.50 |



## KREOLE\*.

CHINESE SELECTED BLACK BRISTLES, Extra Thick, Glue Set, Chisel Point; Metal Ferrule; Varnished Maroon Wood Handle.

| Nos.                   | 120B   | 121B | 122B | 123B |
|------------------------|--------|------|------|------|
| Width Bristles, in...  | 1      | 1½   | 2    | 2½   |
| Length Bristles, in... | 1½     | 1½   | 1½   | 1½   |
| Length over all, in... | 7¾     | 8¾   | 8    | 9½   |
| Wgt. doz. about, lbs.  | ¾      | 1¼   | 1½   | 2¼   |
| Per dozen              | \$2.00 | 2.75 | 4.00 | 5.00 |



## DELMAR\*.

EXTRA QUALITY FRENCH WHITE BRISTLES, Extra Thick, Glue Set, Chisel Point; Metal Ferrule; Polished Cedar Handle.

| Nos.                         | 100W   | 101W | 102W | 103W |
|------------------------------|--------|------|------|------|
| Width, inches                | 1      | 1½   | 2    | 2½   |
| Length Bristles, inches      | 1½     | 1½   | 1½   | 1½   |
| Length over all, inches      | 7      | 8¾   | 9¾   | 9¾   |
| Weight per dozen about, lbs. | ¾      | 1¼   | 2    | 2½   |
| Per dozen                    | \$2.75 | 4.00 | 6.00 | 8.00 |



## KRUGER\*.

CHINESE SELECTED BLACK BRISTLES, Extra Thick, Glue Set, Chisel Point; Metal Ferrule; Polished and Varnished Maroon Wood Handle.

| Nos.                   | 130B   | 131B | 132B | 133B |
|------------------------|--------|------|------|------|
| Width Bristles, in...  | 1      | 1½   | 2    | 2½   |
| Length Bristles, in... | 1½     | 1½   | 1½   | 1½   |
| Length over all, in... | 8¾     | 8¾   | 9    | 9¾   |
| Wgt. doz. about, lbs.  | 1      | 1½   | 2¼   | 3    |
| Per dozen              | \$2.75 | 3.50 | 5.00 | 7.00 |

-1056-

## VARNISH OR PAINT BRUSHES.



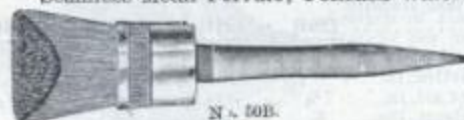
## EMPRESS\*.

Oval Shape; CHINESE SELECTED BLACK BRISTLES, Glue Set, Chisel End, Patent Open Center; Seamless Metal Ferrule; Polished White Wood Handle.

| Nos.                         | 40B     | 41B    | 42B    | 43B   | 44B     | 45B   | 46B     | 47B    | 48B    |
|------------------------------|---------|--------|--------|-------|---------|-------|---------|--------|--------|
| Diameter at Ferrule, inches  | 1 1/4   | 1 5/16 | 1 7/16 | 1 1/2 | 1 13/16 | 1 3/4 | 1 7/8   | 1 7/8  | 2      |
| Length Bristles, inches      | 2 5/16  | 2 1/2  | 2 1/2  | 2 3/4 | 2 3/4   | 2 3/4 | 3       | 3 3/16 | 3 1/2  |
| Length over all, inches      | 8 11/16 | 9      | 9      | 9 1/4 | 9 3/4   | 10    | 10 3/16 | 10 1/2 | 10 5/8 |
| Weight per dozen about, lbs. | 4       | 1 1/4  | 1 1/4  | 1 1/2 | 1 3/4   | 2 1/4 | 2 1/2   | 2 3/4  | 3      |
| Per dozen                    | \$6.00  | 7.00   | 8.00   | 9.50  | 10.75   | 12.00 | 13.00   | 15.00  | 19.00  |

## EMPEROR.

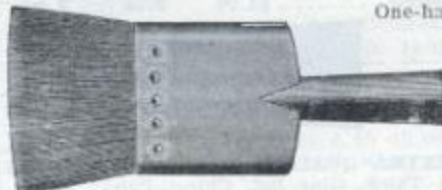
Oval Shape; CHINESE FINEST QUALITY BLACK BRISTLES, Glue Set, Chisel End, Patent Solid Center; Seamless Metal Ferrule; Polished White Wood Handle; Nickel Plated Metal Bridle.



No. 50B.

| Nos.                         | 50B     | 51B    | 52B    |
|------------------------------|---------|--------|--------|
| Diameter at Ferrule, inches  | 2 1/8   | 2 3/16 | 2 5/16 |
| Length Bristles, inches      | 4 1/16  | 4 1/4  | 4 1/2  |
| Length over all, inches      | 11 1/2  | 11 3/4 | 12     |
| Weight per dozen about, lbs. | 3 1/2   | 3 3/4  | 4      |
| Per dozen                    | \$22.00 | 28.00  | 32.00  |

One-half Dozen in a Cardboard Box.



No. 745.

## FITCH.

SOFT HAIR FLOWING BRISTLES, Glue Set, Nailed and Clinched; Metal Ferrule; Rosewood Stained Handle.

## No. 745—Square End.

|                              | 1      | 1 1/2 | 2     | 2 1/2 |
|------------------------------|--------|-------|-------|-------|
| Width at Ferrule, inches     | 1 1/4  | 1 3/4 | 1 3/4 | 1 3/4 |
| Length Bristles, inches      | 6 1/2  | 6 3/4 | 7     | 7 1/4 |
| Length over all, inches      | 1 1/2  | 3/4   | 1     | 1 1/4 |
| Weight per dozen about, lbs. | 3 1/2  | 5.00  | 7.00  | 9.00  |
| Per dozen                    | \$3.50 |       |       |       |

## No. 747—Chisel End.

|                              | 1      | 1 1/2 | 2     | 2 1/2 | 3     |
|------------------------------|--------|-------|-------|-------|-------|
| Width at Ferrule, inches     | 1 1/4  | 1 3/4 | 1 3/4 | 1 3/4 | 1 3/4 |
| Length Bristles, inches      | 6 1/4  | 6 3/4 | 7 1/4 | 7 3/4 | 7 3/4 |
| Length over all, inches      | 1 1/2  | 3/4   | 1     | 1 1/4 | 1 1/4 |
| Weight per dozen about, lbs. | 3 1/2  | 6.50  | 8.50  | 9.50  | 12.50 |
| Per dozen                    | \$4.50 |       |       |       |       |

One Dozen in a Cardboard Box.

## MARKING BRUSHES.



No. 2—NATIONAL GRAY BRISTLES, Glue Set; Metal Ferrule; Flat Cedar Handle; Width at Ferrule 1 1/4 inches; Length of Bristles Tapered from 3/4 to 1 1/4 inches; Length over all 9 1/4 inches; Weight per dozen about 1 1/2 lbs.; Especially Adapted for Marking Bales. \$4.00  
One Dozen in a Cardboard Box.



Per Dozen

No. 6—ALL WHITE BRISTLES, Glue Set; Assorted Sizes, Nos. 1 to 6; Metal Ferrules, Assorted, from 1/16 to 3/16 inch; Length of Bristles, Assorted, from 1/2 to 3/4 inch; Length over all 1 1/4 inches; Weight per dozen about 1 1/2 lbs. \$9.75  
Twelve Dozen Assorted Sizes in a Cardboard Box.



Per Dozen

No. 544—SIZE No. 6—FINE BEAU BLANC, Glue Set; Width of Bristles at Ferrule 3/4 inch; Length Bristles 1 1/4 inches; Weight per dozen about 1 1/2 lbs. \$1.25  
Twelve Dozen in a Cardboard Box.

-2072-

**SADDLERS' RULES.**

OSBORNE'S.

Per Dozen

- No. 160/2—Saddlers'; 2 FOOT; Varnished Boxwood; 1½ inches Wide; ¼ inch Thick; Figures and Lines Stamped in Black; Graduated in ¼ inch; 2 Sets of Figures on Each Side of Rule; Brass Tipped Ends; Weight per dozen about 3 lbs. .... \$7.50
- No. 160/3—Saddlers'; 3 FOOT; Otherwise same as No. 160/2; Weight per dozen about 4½ lbs. .... 10.50
- One-half Dozen in a Cardboard Box.

**HARNESS AWLS.**

OSBORNE'S.

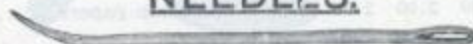


Best Grade Steel, Tempered, Hardened and Polished; Triangular Shape.

Assorted

| Nos.           | 43     | 44  | 45  | 46  | 47  | 48  | 49  | 50  | 51  | 52  | 43 to 48 |
|----------------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|
| Length, inches | 1½     | 2   | 2½  | 2½  | 2½  | 2½  | 3   | 3½  | 3½  | 3½  | 1½ to 2½ |
| Per dozen      | \$0.40 | .40 | .40 | .40 | .40 | .40 | .40 | .40 | .40 | .40 | .40      |

Twelve Dozen in a Package; Weight per Package about ½ lb.

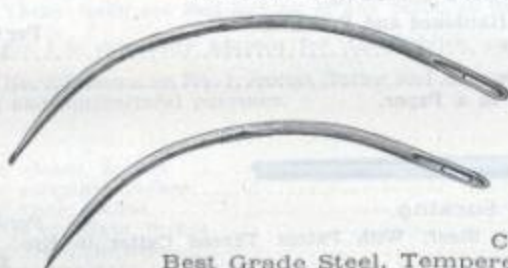
**NEEDLES.**

SPEYING.

Made of Best Grade Steel, Tempered, Hardened and Polished.

|                       |        |      |
|-----------------------|--------|------|
| Length, inches        | 3      | 3½   |
| Weight per gross, oz. | 8      | 12   |
| Per gross             | \$2.25 | 2.75 |

One-quarter Gross in a Package; One Gross in a Cardboard Box.



COLLAR.

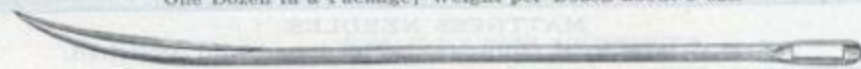
Best Grade Steel, Tempered, Hardened and Polished.

No. 92—Half Moon.

No. 92C—Half Curved.

|               |        |      |      |      |      |      |      |               |        |      |      |      |      |      |      |
|---------------|--------|------|------|------|------|------|------|---------------|--------|------|------|------|------|------|------|
| Size, inches. | 3      | 3½   | 4    | 4½   | 5    | 5½   | 6    | Size, inches. | 3      | 3½   | 4    | 4½   | 5    | 5½   | 6    |
| Per dozen..   | \$3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | Per dozen..   | \$3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |

One Dozen in a Package; Weight per Dozen about 3 ozs.



SACKING OR PACKING.

No. 99—Best Grade German Steel, Tempered, Hardened and Polished.

Assorted

|                              |        |      |      |      |      |      |      |          |
|------------------------------|--------|------|------|------|------|------|------|----------|
| Size, inches                 | 3      | 3½   | 4    | 4½   | 5    | 6    | 8    | Assorted |
| Weight per gross about, lbs. | 1      | 1½   | 1½   | 2    | 2½   | 3    | 4    | 3 to 5   |
| Per gross                    | \$2.25 | 2.50 | 2.70 | 3.00 | 3.50 | 4.50 | 8.00 | 3.25     |

One-quarter Gross in a Paper.

No. 5061—James' Best Grade English Steel, Bent Points, Tempered, Hardened and Polished.

|                              |        |      |      |      |      |
|------------------------------|--------|------|------|------|------|
| Size, inches                 | 5      | 5½   | 6    | 6½   | 7    |
| Weight per gross about, lbs. | 3      | 3½   | 4    | 4½   | 5    |
| Per gross                    | \$3.00 | 3.25 | 3.75 | 4.50 | 6.00 |

One-quarter Gross in a Cardboard Box.



Sizes: 00/E 0/E 1 2 3 4 5 6 7



# NEEDLES.

Sizes: 000 00 0 1 2 3 4 5 6 7


 Best Grade Steel,  
Tempered, Hardened  
and Polished; Fine  
Point.

## Egg Eye Harness Needles.

| Nos.                  | 00E    | 0E   | 1E   | 2E   | 3E   |
|-----------------------|--------|------|------|------|------|
| Per dozen papers..... | \$2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| Nos.                  | 4E     | 5E   | 6E   | 7E   |      |
| Per dozen papers..... | \$2.00 | 2.00 | 2.00 | 2.00 |      |

 Weight per Dozen Papers about 2 ounces.  
Twenty-five Needles of a Size in a Paper.

## Round Eye Glovers' Needles.

| Nos.                  | 000    | 00   | 0    | 1    | 2    |
|-----------------------|--------|------|------|------|------|
| Per dozen papers..... | \$3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| Nos.                  | 3      | 4    | 5    | 6    | 7    |
| Per dozen papers..... | \$3.00 | 3.00 | 3.00 | 3.00 | 3.00 |



## Cotton Baling and Seed Sacking.

Best Grade Steel, Tempered, Hardened and Polished.

Per Gross

|                                                            |         |
|------------------------------------------------------------|---------|
| No. 835—5 inches Long; Large Eye; Weight per gross 2½ lbs. | \$ 7.50 |
| No. 836—8 inches Long; Large Eye; Weight per gross 8 lbs.  | 11.50   |
| One-quarter Gross in a Paper.                              |         |



## Schrimpton's Sacking.

Per Gross

|                                                                                                     |         |
|-----------------------------------------------------------------------------------------------------|---------|
| No. 934—4 inches Long; Spring Eye; Polished English Spring Steel; With Patent Thread Cutter in Eye; |         |
| Weight per gross about 1 lb.                                                                        | \$30.00 |
| No. 935—5 inches Long; Spring Eye; Polished English Spring Steel; With Patent Thread Cutter in Eye; |         |
| Weight per gross about 1½ lbs.                                                                      | 36.00   |
| One-twelfth Gross in a Paper; One Gross in a Package.                                               |         |

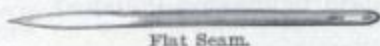


## MATTRESS NEEDLES.

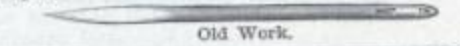
Best Grade Steel, Tempered, Hardened and Polished.

Per Dozen

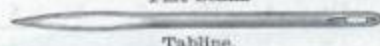
|                                           |        |
|-------------------------------------------|--------|
| Mattress; 12 INCHES LONG; DOUBLE POINTED. | \$1.35 |
| One Dozen in a Paper.                     |        |



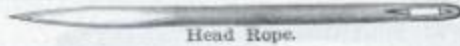
Flat Seam.



Old Work.



Tabline.



Head Rope.

Best Grade Steel, Tempered, Hardened and Polished.

Per 100

Per 100

|                               |        |                                |        |
|-------------------------------|--------|--------------------------------|--------|
| Flat Seam; 3 inches Long..... | \$2.50 | Old Work; 3 inches Long.....   | \$2.50 |
| Tabline; 3 inches Long.....   | 2.50   | Head Rope; 3¼ inches Long..... | 3.00   |

Fifty in a Paper; Weight per 100 about 8 ozs.

## AUTOMOBILE JACKS.

RELIABLE.



Malleable Iron Body, Gear and Thumb Wheel, Aluminum Finish; Machine Cut Steel Worm, Swivel Top; Malleable Iron Lever, with Reversible Pull Spring Ratchet Latch.

By means of the Thumb Wheel Gear on side, the Worm can be quickly run up to meet the Load, and by then making three or four strokes of the Lever, the Load will be raised.

In lowering the Load, the Spring Ratchet Latch on the Lever is reversed by Thumb Pressure, the Load is then lowered by the same stroke as it was raised.

These Jacks are Self-locking at any point, so that it is impossible for the Load to drop by accident.

No. 1 is especially adapted for Automobiles, and owing to its size, is a Light Handy Jack for its purpose.

No. 0 is same as No. 1, except Taller and is especially adapted for High Automobiles, Buggies, Cabs, Carriages and Agricultural purposes.

| Nos.                     | 1       | 0       |
|--------------------------|---------|---------|
| Height closed, inches    | 10½     | 15      |
| Height extended, inches  | 18      | 24      |
| Size of Base, inches     | 4½      | 4½      |
| Diameter of Worm, inches | ¾       | ¾       |
| Size of Head, inches     | 1½ x 1½ | 1½ x 1½ |
| Capacity, tons           | 2       | 2       |
| Weight each about, lbs   | 5½      | 6¾      |
| Per dozen                | \$36.00 | 36.00   |

## JACK SCREWS.

S. H. Co.'s.® BOSS LOCOMOTIVE.

Wrought Iron Screw; Cast Iron Stand, with Handle; Corrugated Head.



Nos. 1 to 6.

| Nos.                              | 1      | 2    | 3    | 4    | 6     |
|-----------------------------------|--------|------|------|------|-------|
| Diameter of Screw, inches         | 1½     | 1½   | 1½   | 1½   | 2     |
| Length of Screw, inches           | 10     | 12   | 14   | 16   | 18    |
| Diameter of Top, inches           | 3½     | 3½   | 3½   | 3½   | 4     |
| Diameter of Base, inches          | 6½     | 6½   | 7½   | 7½   | 8½    |
| Length over all, closed, inches   | 13½    | 15½  | 17½  | 20   | 22½   |
| Length over all, extended, inches | 24½    | 28   | 32   | 33½  | 43    |
| Lifting Capacity, tons            | 10     | 12   | 16   | 16   | 20    |
| Weight each about, lbs            | 14     | 20   | 28   | 28   | 45    |
| Each                              | \$3.80 | 5.25 | 6.75 | 7.50 | 10.25 |

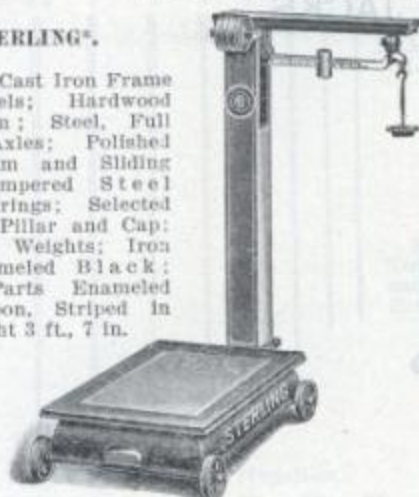
Packed Loose.

TRADE MARK:  
"STERLING"  
REGISTERED.

## PORTABLE PLATFORM SCALES.

### STERLING®.

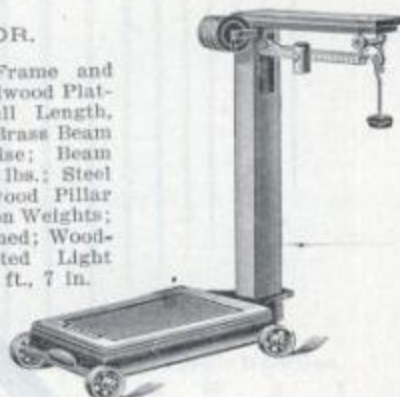
Heavy Cast Iron Frame and Wheels; Hardwood Platform; Steel, Full Length, Axles; Polished Brass Beam and Sliding Poise; Tempered Steel Knife Bearings; Selected Hardwood Pillar and Cap; Cast Iron Weights; Iron Parts Enameled Black; Wooden Parts Enameled Rich Maroon, Striped in Gold; Height 3 ft., 7 in.



Extra Weights should not be added to make scales weigh more than intended.

### VICTOR.

Cast Iron Frame and Wheels; Hardwood Platform; Steel, Full Length, Axles; Polished Brass Beam and Sliding Poise; Beam Graduated in 1/4 lbs.; Steel Bearings; Hardwood Pillar and Cap; Cast Iron Weights; Iron Parts Japanned; Wooden Parts Painted Light Green; Height 3 ft., 7 in.



### STERLING®.

Graduated in 1/4 pounds.

| Nos.                     | 600/S   | 800/S | 1000/S |
|--------------------------|---------|-------|--------|
| Capacity, lbs.           | 600     | 800   | 1000   |
| Size of Platform, inches | 16x22   | 16x25 | 17x26  |
| Weight each about, lbs.  | 135     | 155   | 170    |
| Each                     | \$25.00 | 30.00 | 35.00  |

Graduations in Kilos and Grammes.

| Nos.                     | 600/SK  |
|--------------------------|---------|
| Capacity, Kilos          | 300     |
| Size of Platform, inches | 16x22   |
| Weight each about, lbs.  | 135     |
| Each                     | \$25.00 |

### VICTOR.

| Nos.                     | 7126V   | 7128V | 7130V | 7132V |
|--------------------------|---------|-------|-------|-------|
| Capacity, lbs.           | 600     | 800   | 1,000 | 1,200 |
| Size of Platform, inches | 16x22   | 16x25 | 17x26 | 18x27 |
| Weight each about, lbs.  | 130     | 150   | 160   | 170   |
| Each                     | \$18.00 | 20.00 | 23.50 | 24.00 |

One in a Case.

### FAIRBANKS' STANDARD.

Heavy Cast Iron Frame and Wheels; Steel, Full Length Axles; Polished Brass Beam and Sliding Poise; Beam Graduated in 1/4 lbs.; Tempered Steel Knife Bearings; Hardwood Pillar, Platform and Cap; Cast Iron Weights; Iron Parts Enameled Black; Wooden Parts Enameled Blue, Striped in Gold; Height over all 4 feet.

Extra Weights should not be added to make scales weigh more than intended.



With Wheels.

| Nos.                     | 1128F   | 1126F | 1124F | 1122F |
|--------------------------|---------|-------|-------|-------|
| Capacity, lbs.           | 600     | 800   | 1,000 | 1,200 |
| Size of Platform, inches | 16x25   | 17x26 | 17x26 | 20x28 |
| Weight each about, lbs.  | 175     | 184   | 186   | 228   |
| Each                     | \$33.00 | 38.00 | 43.00 | 49.00 |
| Nos.                     | 1120F   | 1118F | 1116F |       |
| Capacity, lbs.           | 1,500   | 2,000 | 2,500 |       |
| Size of Platform, inches | 21x28   | 25x33 | 26x34 |       |
| Weight each about, lbs.  | 250     | 315   | 375   |       |
| Each                     | \$56.00 | 75.00 | 85.00 |       |

With Wheels and Drop Lever.

| Nos.                     | 1174F   | 1172F | 1170F |
|--------------------------|---------|-------|-------|
| Capacity, lbs.           | 1,000   | 1,200 | 1,500 |
| Size of Platform, inches | 17x26   | 20x28 | 21x28 |
| Weight each about, lbs.  | 210     | 285   | 390   |
| Each                     | \$51.00 | 59.00 | 70.00 |
| Nos.                     | 1168F   | 1166F |       |
| Capacity, lbs.           | 2,000   | 2,500 |       |
| Size of Platform, inches | 25x33   | 26x34 |       |
| Weight each about, lbs.  | 430     | 775   |       |
| Each                     | \$82.00 | 94.00 |       |

One in a Case.

TRADE MARK:  
"ROYAL"  
REGISTERED.

## COUNTER SCALES.



With Brass Scoop.  
High Grade.  
Beautifully Finished.



ROYAL COUNTER.

### ROYAL.

HEAVY CAST IRON FRAME, PLATFORM AND PILLAR; Polished Brass Single Beam; EXTRA HEAVY POLISHED BRASS SCOOP; Tempered Steel Knife Bearings; Cast Iron Weights and Hanging Poise; Size of Platform,  $10\frac{1}{2} \times 13\frac{1}{2}$  inches; Size of Scoop  $19\frac{1}{4} \times 10\frac{1}{2}$  inches; Iron Parts Finely Finished in Aluminum and Striped with Gold.

Each  
No. R—ROYAL; CAPACITY  $\frac{1}{2}$  OUNCE TO 240  
LBS.; Weight each about 42 lbs. .... \$15.00



S. H. Co.'s Scale. A most desirable Scale for general use. Each one carefully inspected.

UNION, S. H. Co.'s, COUNTER.  
CAPACITY  $\frac{1}{2}$  OUNCE TO 240 POUNDS.

Each

No. S—S. H. Co.'s; CAST IRON FRAME, PLATFORM AND PILLAR; Polished Brass Single Beam; HEAVY TIN SCOOP; Steel Bearings; Cast Iron Weights and Hanging Poise; Size of Platform,  $10\frac{1}{2} \times 13\frac{1}{2}$  inches; Size of Scoop,  $19\frac{1}{4} \times 10\frac{1}{2}$  inches; Iron Parts Painted Red, and Gold Striped; Weight each about 40 lbs. .... \$8.00

No. E—EXCELSIOR; Cast Iron Frame, Platform and Pillar; Polished Brass Single Beam; TIN SCOOP; Steel Bearings; Cast Iron Weights and Hanging Poise; Size of Platform,  $10\frac{1}{2} \times 13\frac{1}{2}$  inches; Size of Scoop,  $19\frac{1}{4} \times 10\frac{1}{2}$  inches; Iron Parts Japanned; Weight each about 40 lbs. .... 7.00

No. 6—AMERICAN; Iron Parts Painted Red and Gold Striped; DOUBLE BEAM; Otherwise same as No. E; Weight each about 43 lbs. .... 9.25



Single Beam, Platform and Fork.



Double Beam, Platform and Fork.

### FAIRBANKS' STANDARD. UNION.

CAPACITY  $\frac{1}{2}$  OUNCE TO 240 POUNDS.

Heavy Cast Iron Frame, Pillar, Platform, Levers, Poises, and Weights; Tempered Steel Knife Bearings; Polished Brass Beams with Hanging Poises; Made with Platform and Scoop Fork, or Two Platforms and Scoop with Foot; Size of Main Platform,  $10\frac{1}{2} \times 13\frac{1}{2}$  inches; Size of Scoop,  $19\frac{1}{4} \times 10\frac{1}{2}$  inches; Iron Parts Enameled Black and Striped with Gold.

#### SINGLE BEAM.

|                                            | Each    |
|--------------------------------------------|---------|
| No. 500F—TIN SCOOP, Platform and Fork..... | \$14.00 |
| No. 502F—BRASS SCOOP, Platform and Fork... | 15.00   |
| No. 508F—TIN SCOOP, TWO PLATFORMS.....     | 14.50   |
| No. 510F—BRASS SCOOP, TWO PLATFORMS...     | 15.50   |

#### DOUBLE BEAM.

|                                             | Each    |
|---------------------------------------------|---------|
| No. 504F—TIN SCOOP, Platform and Fork.....  | \$15.00 |
| No. 506F—BRASS SCOOP, Platform and Fork.... | 16.00   |
| No. 512F—TIN SCOOP, TWO PLATFORMS.....      | 15.50   |
| No. 514F—BRASS SCOOP, TWO PLATFORMS...      | 16.50   |

Weight Each about 57 lbs.  
One in a Case.

## COUNTER SCALES.

FAIRBANKS' STANDARD.

Even Balance.  
With Tin Scoop.

| Nos.                    | 685F            | 673F            | 661F             |
|-------------------------|-----------------|-----------------|------------------|
| Capacity                | 1/4oz to 4 lbs. | 1/4oz to 6 lbs. | 1/4oz to 10 lbs. |
| Size of Scoop, inches   | 16 1/2 x 8      | 18 1/2 x 8 1/2  | 19 1/2 x 10 1/2  |
| Weight each about, lbs. | 20              | 25              | 42               |
| Each                    | \$5.00          | 6.00            | 7.00             |

With Brass Scoop.

| Nos.                    | 686F            | 674F            | 662F             |
|-------------------------|-----------------|-----------------|------------------|
| Capacity                | 1/4oz to 4 lbs. | 1/4oz to 6 lbs. | 1/4oz to 10 lbs. |
| Size of Scoop, inches   | 16 1/2 x 8      | 18 1/2 x 8 1/2  | 19 1/2 x 10 1/2  |
| Weight each about, lbs. | 20              | 25              | 42               |
| Each                    | \$5.75          | 6.75            | 8.00             |

Even Balance, with Brass Side Beams and Hanging Poise.  
With Tin Scoop.

| Nos.                    | 687F            | 675F            | 663F             |
|-------------------------|-----------------|-----------------|------------------|
| Capacity                | 1/4oz to 4 lbs. | 1/4oz to 6 lbs. | 1/4oz to 10 lbs. |
| Size of Scoop, inches   | 16 1/2 x 8      | 18 1/2 x 8 1/2  | 19 1/2 x 10 1/2  |
| Weight each about, lbs. | 20              | 25              | 42               |
| Each                    | \$6.00          | 7.00            | 8.00             |

With Brass Scoop.

| Nos.                    | 688F            | 676F            | 664F             |
|-------------------------|-----------------|-----------------|------------------|
| Capacity                | 1/4oz to 4 lbs. | 1/4oz to 6 lbs. | 1/4oz to 10 lbs. |
| Size of Scoop, inches   | 16 1/2 x 8      | 18 1/2 x 8 1/2  | 19 1/2 x 10 1/2  |
| Weight each about, lbs. | 20              | 25              | 42               |
| Each                    | \$6.75          | 7.75            | 9.00             |

GROCERS' 2-PLATE TRIP  
AND SCOOP WITH  
FOOT.

Trip, with Brass Side Beam and Hanging Poise.

| Nos.                    | 752F            | 751F            | 750F             | 749F             |
|-------------------------|-----------------|-----------------|------------------|------------------|
| Capacity                | 1/4oz to 2 lbs. | 1/4oz to 6 lbs. | 1/4oz to 10 lbs. | 1/4oz to 16 lbs. |
| Size of Scoop, inches   | 12 1/2 x 6 1/4  | 16 1/2 x 8      | 19 1/2 x 10 1/2  | 24 x 10 1/2      |
| Weight each about, lbs. | 17              | 28              | 48               | 68               |
| Each                    | \$6.50          | 8.00            | 10.00            | 12.75            |

With Tin Scoop.

| Nos.                    | 760F            | 759F            | 758F             | 757F             |
|-------------------------|-----------------|-----------------|------------------|------------------|
| Capacity                | 1/4oz to 2 lbs. | 1/4oz to 6 lbs. | 1/4oz to 10 lbs. | 1/4oz to 16 lbs. |
| Size of Scoop, inches   | 12 1/2 x 6 1/4  | 16 1/2 x 8      | 19 1/2 x 10 1/2  | 24 x 10 1/2      |
| Weight each about, lbs. | 17              | 28              | 48               | 68               |
| Each                    | \$7.50          | 9.00            | 11.00            | 14.25            |

With Brass Scoop.

| Nos.                    | 756F            | 755F            | 754F             | 753F             |
|-------------------------|-----------------|-----------------|------------------|------------------|
| Capacity                | 1/4oz to 2 lbs. | 1/4oz to 6 lbs. | 1/4oz to 10 lbs. | 1/4oz to 16 lbs. |
| Size of Scoop, inches   | 12 1/2 x 6 1/4  | 16 1/2 x 8      | 19 1/2 x 10 1/2  | 24 x 10 1/2      |
| Weight each about, lbs. | 17              | 28              | 48               | 68               |
| Each                    | \$7.00          | 8.75            | 11.00            | 13.75            |

With Tin Scoop.

| Nos.                    | 764F            | 763F            | 762F             | 761F             |
|-------------------------|-----------------|-----------------|------------------|------------------|
| Capacity                | 1/4oz to 2 lbs. | 1/4oz to 6 lbs. | 1/4oz to 10 lbs. | 1/4oz to 16 lbs. |
| Size of Scoop, inches   | 12 1/2 x 6 1/4  | 16 1/2 x 8      | 19 1/2 x 10 1/2  | 24 x 10 1/2      |
| Weight each about, lbs. | 17              | 28              | 48               | 68               |
| Each                    | \$8.00          | 9.75            | 12.00            | 15.25            |

With Brass Scoop.



GROCERS'.



Trip, with Brass Side Beam and Hanging Poise.

| Nos.                    | 704F            | 703F            | 702F             | 701F             |
|-------------------------|-----------------|-----------------|------------------|------------------|
| Capacity                | 1/4oz to 2 lbs. | 1/4oz to 6 lbs. | 1/4oz to 10 lbs. | 1/4oz to 16 lbs. |
| Size of Scoop, inches   | 12 1/2 x 6 1/4  | 16 1/2 x 8      | 19 1/2 x 10 1/2  | 24 x 10 1/2      |
| Weight each about, lbs. | 15              | 25              | 41               | 62               |
| Each                    | \$5.50          | 7.00            | 9.00             | 11.75            |

With Tin Scoop.

| Nos.                    | 712F            | 711F            | 710F             | 709F             |
|-------------------------|-----------------|-----------------|------------------|------------------|
| Capacity                | 1/4oz to 2 lbs. | 1/4oz to 6 lbs. | 1/4oz to 10 lbs. | 1/4oz to 16 lbs. |
| Size of Scoop, inches   | 12 1/2 x 6 1/4  | 16 1/2 x 8      | 19 1/2 x 10 1/2  | 24 x 10 1/2      |
| Weight each about, lbs. | 15              | 25              | 41               | 62               |
| Each                    | \$6.50          | 8.00            | 10.00            | 13.25            |

With Brass Scoop.

| Nos.                    | 708F            | 707F            | 706F             | 705F             |
|-------------------------|-----------------|-----------------|------------------|------------------|
| Capacity                | 1/4oz to 2 lbs. | 1/4oz to 6 lbs. | 1/4oz to 10 lbs. | 1/4oz to 16 lbs. |
| Size of Scoop, inches   | 12 1/2 x 6 1/4  | 16 1/2 x 8      | 19 1/2 x 10 1/2  | 24 x 10 1/2      |
| Weight each about, lbs. | 15              | 25              | 41               | 62               |
| Each                    | \$6.00          | 7.75            | 10.00            | 12.75            |

With Tin Scoop.

| Nos.                    | 716F            | 715F            | 714F             | 713F             |
|-------------------------|-----------------|-----------------|------------------|------------------|
| Capacity                | 1/4oz to 2 lbs. | 1/4oz to 6 lbs. | 1/4oz to 10 lbs. | 1/4oz to 16 lbs. |
| Size of Scoop, inches   | 12 1/2 x 6 1/4  | 16 1/2 x 8      | 19 1/2 x 10 1/2  | 24 x 10 1/2      |
| Weight each about, lbs. | 15              | 25              | 41               | 62               |
| Each                    | \$7.00          | 8.75            | 11.00            | 14.25            |

With Brass Scoop.

One in a Case.

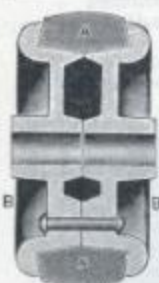
TRADE MARK:  
"RUN EASY,"  
REGISTERED.

-690-

## TRUCKS.



Select  
Oak  
Handles  
and  
Frame.  
Extra  
Fine  
Finish.



Method of Fastening Rubber  
Tire on Wheel.

Extra  
Heavy  
Wheels  
with  
Rubber  
Tires  
that  
will  
Stay On.



## RUN EASY®.

Select Varnished Heavy Oak Handles; Four Mortised Oak Cross Braces; FULL LENGTH HEAVY JAPANNED IRON HANDLE STRAPS and Nose Iron in One Piece; Heavy Cast Iron Japanned Wheels, WITH PATENT IN-SET RUBBER TIRES; Malleable Axle Brackets; Handle Grips Painted Red.

## RUN EASY®.

WAREHOUSE OR HOTEL, Iron Strapped Cross-Braces, with 9-inch Round Iron Welded Jointless Legs and Leg Braces; Top and Bottom Bolted Steel Cross Rods for Tightening.

| Nos.                          | RF1     | RF2   | RF3   |
|-------------------------------|---------|-------|-------|
| Length over all, inches.....  | 48      | 52    | 58    |
| Width, inches.....            | 19      | 20    | 22    |
| Diameter of Wheel, inches.... | 7½      | 8½    | 10½   |
| Weight each about, lbs.....   | 55      | 70    | 95    |
| Each .....                    | \$11.00 | 15.00 | 19.00 |

## RUN EASY®.

BOX OR GROCERY, without Legs; Cross Braces Reinforced by Oak Center Strip, all Painted Red; Extra Bent Handle Grips, ¾-inch Steel Axle.

| Nos.                           | RG      |
|--------------------------------|---------|
| Length over all, inches.....   | 47      |
| Width, inches.....             | 17      |
| Diameter of Wheel, inches..... | 6½      |
| Weight each about, lbs.....    | 30      |
| Each .....                     | \$10.00 |



No. WH1.



No. WF1.



No. H1.

## STANDARD, Warehouse and Hotel.

Varnished Hardwood Handles; Four Mortised Wood Cross Braces; Japanned Iron Handle Straps and Nose Iron in One Piece; Cast Iron Japanned Wheels; Malleable Iron Axle Brackets; Flat Steel Legs and Leg Braces, Riveted; ¾-inch Steel Axle.

STANDARD, WAREHOUSE;  
HALF IRONED; Handle  
Straps extend up about 23  
inches.

| Nos.                 | WH1    | WH2  | WH3   |
|----------------------|--------|------|-------|
| Lgth over all, in.   | 48     | 51   | 56    |
| Width, inches....    | 19     | 20   | 22    |
| Diam. of Wheel, in.  | 7      | 8½   | 9½    |
| Wgt. ea. about, lbs. | 45     | 65   | 85    |
| Each .....           | \$7.00 | 9.00 | 13.00 |

STANDARD, WAREHOUSE;  
FULL IRONED; Handle  
Straps extend up to  
Grips about 37 inches.

| Nos.                 | WF1    | WF2   | WF3   |
|----------------------|--------|-------|-------|
| Lgth over all, in.   | 48     | 51    | 56    |
| Width, inches....    | 19     | 20    | 22    |
| Diam. of Wheel, in.  | 7      | 8½    | 9½    |
| Wgt. ea. about, lbs. | 50     | 70    | 90    |
| Each .....           | \$8.00 | 10.50 | 15.00 |

STANDARD HOTEL; HALF  
IRONED; Handle Straps  
extend up about 26½ inches;  
Rubber-Tired Wheels;  
Handle Grips Painted Black.

| Nos.                     | H1      | H2    |
|--------------------------|---------|-------|
| Length over all, inches. | 49      | 51    |
| Width, inches.....       | 19      | 20    |
| Diam. of Wheels, inches  | 7½      | 8     |
| Weight each about, lbs.  | 45      | 65    |
| Each .....               | \$10.00 | 14.00 |

Packed Loose.

## TRUCKS.



Heavy Varnished Hardwood Handles; Four Mortised, Iron Strapped, Hardwood Cross Braces; Two Upright Iron Center Braces, and Full Length Heavy Japanned Iron Handle Straps and Nose Iron in One Piece; Extra Heavy Cast Iron Japanned Wheels; Malleable Iron Axle Brackets; Flat Steel Legs and Leg Braces, Riveted; 1 inch Steel Axle; Handle Grips Painted Black.

**STANDARD, RAILROAD; HEAVY FULL IRONED;** Handle Straps extend up to Grips, about 48 inches.

|                                |         |
|--------------------------------|---------|
| No. ....                       | R4      |
| Length over all, inches.....   | 63      |
| Width, inches.....             | 24      |
| Diameter of Wheel, inches..... | 10½     |
| Weight each about, lbs.....    | 115     |
| Each .....                     | \$20.00 |

**STANDARD, MEDIUM WEIGHT, FULL IRONED;** Handle Straps extend up to Grips, about 48 inches.

|                                |         |
|--------------------------------|---------|
| No. ....                       | RL4     |
| Length over all, inches.....   | 63      |
| Width, inches.....             | 24      |
| Diameter of Wheel, inches..... | 10½     |
| Weight each about, lbs.....    | 95      |
| Each .....                     | \$18.00 |

Packed Loose.

## ROLLER TRUCKS OR DOLLIES.



**Steel Frame, Flexible.**

Heavy Braced and Bolted Steel Frame, Painted Blue; 1½ inch Wrought Steel Axles, Sheathed with 1 inch Gas Pipe; Six Heavy Cast Wheels, 4 inch Diameter, 1¼ inch Face. Frame is Flexible, being Hinged on Center Axle so as to Fold Conveniently for Carrying and so that the Truck will quickly Adjust itself to Uneven Surfaces. Sharp Lower Corners of Each End of Frame Catch on the Floor when the Truck is Tilted by Throwing a Box upon it, and Preventing any Slipping of the Truck; Center Pair of Wheels is Lower set than the End Wheels, causing the Truck to Pivot on the Center Wheels and be Readily Turned in any Direction. Top of Frame has Projecting Points or Spurs at Each End to Prevent Slipping of a Box or Package.

Each

|                                                                                                                                                                |         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| No. SF—FLEXIBLE STEEL; Outside Dimensions of Frame 22 inches Long, 12½ inches Wide; Dimensions of Steel in Main Frame 1½x¼ inch; Weight each about 25 lbs..... | \$12.00 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|

Packed Loose.



**LITTLE GIANT, BOX.**

Varnished Hardwood Center Handle 1½ inches Square, with Rounded Hand-grip; Varnished Hardwood Axle Frame and Side-braces, Double Bolted and Strapped at Top and Bottom and with Steel Nose-pieces at Bottom; Steel Axle ¾ inch Square, with ¾ inch Round Wheel Bearings; Cast Iron Wheels, with 1¼ inch Tread; All Metal Parts Japanned Finish.

|                                      |        |
|--------------------------------------|--------|
| No. ....                             | L      |
| Length over all, inches.....         | 56½    |
| Extreme width at bottom, inches..... | 15     |
| Diameter of Wheels, inches.....      | 5      |
| Weight each about, lbs.....          | 13½    |
| Each .....                           | \$3.00 |

Packed Loose.



**WOOD FRAME.**

Extra Heavy Mortised and Bolted Hardwood Frame, Varnished; Japanned Malleable Axle Brackets; Heavy Wrought Steel Axle; Japanned Cast Iron Cylindrical Roller.

| Nos. ....                            | 1      | 2      | 3     |
|--------------------------------------|--------|--------|-------|
| Outside Dimensions of Frame, in..... | 16x19  | 19½x26 | 18x24 |
| Length of Roller, in.....            | 10     | 12     | 12    |
| Diameter of Roller, in.....          | 6      | 6      | 3     |
| Weight each about, lbs.....          | 70     | 80     | 45    |
| Each .....                           | \$7.50 | 10.00  | 5.00  |

-2439-

## GALVANIZED SHEET STEEL WARE.

All Dimensions on this page are Standard Measurements.  
WELL BUCKET BAILS.



Made of Wrought Iron, Galvanized; Width  $\frac{1}{2}$  inch; Length over all 7 inches; For Use on Galvanized Bored Well Buckets.

| Nos.                                                      | 3½     | 4    | 4½   | 5    | 6    |
|-----------------------------------------------------------|--------|------|------|------|------|
| Size, inches                                              | 3½     | 4    | 4½   | 5    | 6    |
| Per dozen                                                 | \$1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| One-half Dozen in a Bundle; Weight per Dozen about 5 lbs. |        |      |      |      |      |

WELL BUCKET BOTTOMS.

Made of Solid Maple; Leathered Valve; Tinned Iron Brace and Valve Opener.

| Size, inches                 | 3½     | 4    | 4½   | 5    | 6    |
|------------------------------|--------|------|------|------|------|
| Weight per dozen about, lbs. | 4      | 5    | 6    | 7½   | 9    |
| Per dozen                    | \$3.00 | 3.00 | 3.00 | 3.00 | 3.00 |

ASH CANS.MONITOR; WITHOUT COVERS.

Double Seamed; 27 Gauge;  $\frac{1}{2}$  inch Galvanized Steel Band, Riveted at Top Rim; Body Reinforced with 3 inch Corrugated Galvanized Iron Band, Riveted to Outside of Can; Galvanized Wire Handles, Riveted.

| Nos.                         | 2½      | 3     |
|------------------------------|---------|-------|
| Diameter, inches             | 14      | 15    |
| Depth, inches                | 18      | 26    |
| Capacity, gallons            | 13      | 18    |
| Weight per dozen about, lbs. | 108     | 228   |
| Per dozen                    | \$59.40 | 69.60 |

Packed Loose.

ASH CAN COVERS.

Seamless; One Piece; 25 Gauge; 1 inch Flanged Rim; Riveted Handle.

| Nos.              | 2C      | 3C    | 5C    |
|-------------------|---------|-------|-------|
| Diameter, inches  | 14      | 15    | 18    |
| Fits Ash Can Nos. | 2½      | 3     | 9     |
| Per dozen         | \$13.75 | 18.50 | 27.50 |

Packed Loose; Weight per Dozen about 25 lbs.

GARBAGE CANS.

Double Seamed; 27 Gauge; 10 Gauge Galvanized Wire Ball; Riveted Iron Ears; Seamless Galvanized Sheet Iron Cover, Rimmed Edge, with Riveted Handle, Fits over Outside of Can.

| Nos.                         | 60      | 63    |
|------------------------------|---------|-------|
| Size, inches                 | 12x10¼  | 14x14 |
| Capacity, gallons            | 4½      | 10    |
| Weight per dozen about, lbs. | 60      | 84    |
| Per dozen                    | \$34.80 | 48.60 |

GARBAGE CANS.KING; WITH COVERS.

Made of 21 Gauge Cold Rolled Annealed Steel; Heavily Galvanized; Double Seamed Corrugated Body, with Straight Uniform Corrugations; Seamless Stamped Steel Bottom, Securely Crimped and Riveted to Shoulder of Heavy Wrought Steel Bottom Band; 1 inch Wrought Steel Galvanized Top Hoop with Cleat Joint, Securely Riveted; Seamless Oval Shaped Tight Fitting Odorless Cover, with Riveted Galvanized Steel Handle; Malleable Iron Carrying Handles, Securely Riveted.

Bottom and Top Edges of Body are Smoothly Rolled which makes a Perfectly Smooth Joint, leaving no crevices into which Ashes or Garbage can gather; This adds greatly to the life of the Can, as it Prevents Acids from eating the Steel.

| Nos.                         | 1K      | 2K     | 3K     |
|------------------------------|---------|--------|--------|
| Size, inches                 | 15x26¾  | 18x26¾ | 21x26¾ |
| Capacity, gallons            | 17      | 25     | 34     |
| Weight per dozen about, lbs. | 240     | 324    | 384    |
| Per dozen                    | \$50.00 | 60.00  | 72.00  |

Packed Loose.



## OIL TANKS.

COAL OIL AND GASOLINE.



Each

**No. 60GT—FOR GASOLINE;** Capacity 60 Gallons;

Made of 27 Gauge Galvanized Iron, Double Seamed and Soldered; Beaded Body, 1 inch Galvanized Steel Rim at Bottom; 6 inch Zinc Screw Filler Cap;  $\frac{3}{4}$  inch Brass Faucet, Soldered on; Galvanized Iron Handles, Soldered; Diameter 25 inches; Height 30 inches; Weight each, crated, about 45 lbs.....

\$5.00



Each

**No. 60—FOR GASOLINE;** Capacity 60 Gallons;

Made of 27 Gauge Galvanized Iron, Double Seamed and Soldered; Beaded Body, Painted Green, Gold and Silver Decorated; Wood Bottom under Galvanized Iron Bottom;  $\frac{3}{4}$  inch Brass Faucet, Soldered on; Solid Brass Filler Cap, Diameter 2 inches; Tank Diameter 23 inches; Height 38 inches; Weight each, crated, about 45 lbs.....

\$9.00



Each

**Star—FOR COAL OIL;** Capacity 60 Gallons; Made of 27 Gauge Galvanized Iron, Double Seamed and Soldered; Beaded Body, Painted Green, Gold and Silver Decorated; Hood Painted Red, Gold Decorated, with Black Enameled Wood Knob; Wood Bottom under Galvanized Iron Bottom; 1 inch Steel Rim around Bottom Edge; Diameter 25 inches; Height 41 inches; Removable Tin Pump, Diameter  $3\frac{1}{2}$  inches; Length 38 inches; Coppered Steel Wire Plunger Rod; Black Enameled Wood Handle; Diameter of Spout 1 inch; Double Seamed and Soldered; Weight each, crated, about 60 lbs. ....

\$9.00

One in a Crate; Wrapped in Paper.

## OILY WASTE CANS.



Galvanized Sheet Steel Body, Double Seamed; Flat Steel Legs, Riveted; Galvanized Sheet Steel Handles; Rimmed Hinge Cover with Self-closing Spring, fitted with Flat Handle.

No Solder used on these Cans, they are Galvanized after being put together, which make them perfectly Rigid and Fire Proof.

| Nos.                    | 1      | 2    | 3               | 4    | 5                | 6     |
|-------------------------|--------|------|-----------------|------|------------------|-------|
| Gauge of Iron           | 28     | 28   | 28              | 24   | 24               | 24    |
| Weight each about, lbs. | 5      | 6    | 7 $\frac{1}{2}$ | 9    | 17 $\frac{1}{2}$ | 20    |
| Each                    | \$3.00 | 4.00 | 5.00            | 6.00 | 7.50             | 10.00 |

Packed Loose.

MT



## GLUE POTS.



Cast Iron Outside Jacket, Black Japanned; Inside Jacket Tinned Inside; Flanged Top Rests on Rim; Iron Wire Balls, Copper Finish.

| Nos. ....                        | 2/0    | 1/0   | 1     |       |
|----------------------------------|--------|-------|-------|-------|
| Standard Capacity, pts.....      | 35     | 45    | 51    |       |
| Weight per dozen about, lbs..... | 35     | 45    | 51    |       |
| Per dozen .....                  | \$5.50 | 6.00  | 6.75  |       |
| Nos. ....                        | 2      | 3     | 4     | 5     |
| Standard Capacity, pts.....      | 2      | 3     | 4     | 5     |
| Weight per dozen about, lbs..... | 67     | 75    | 98    | 116   |
| Per dozen .....                  | \$8.40 | 10.26 | 12.42 | 14.58 |

Packed Loose.



Extra Heavy Copper Throughout; Flanged Kerosene Oil Fount, 7 1/2 inches Diameter; Uprights Supporting Glue Pot, 6 1/2 inches Long, 1/2 inch Wide; Flame is Enclosed and can be instantly regulated so that Glue can be kept at desired Temperature; Brass Eyelet Pots; Extension Bottom, prevents tipping.

| No.                                     | 8/1     |
|-----------------------------------------|---------|
| Capacity of Glue Pot, Quarts            | 1       |
| Height over all, inches (Ball extended) | 20      |
| Weight each about, lbs.                 | 20      |
| Each                                    | \$10.00 |

One in a Box.

## METAL POLISH.

POLISHINE.  
Silver Polish.



Per Dozen Boxes  
**No. 12P**—For Cleaning and Polishing Gold, Silver, Copper, Nickel, Brass, Glass and all kinds of Metal Surfaces; Free from Grit or Acids; Put up in Round Cardboard Boxes, Containing 3 ounces; Weight per dozen boxes about 3 lbs. \$1.25

One Dozen Boxes in a Case.

## METAL POLISH.

PURITY\* PASTE.



For Cleaning and Polishing Gold, Silver, Cut Glass, Jewelry, China, Porcelain, Nickel, Burnished Brass and Marble Statuary; Excellent for Porcelain Bath Tubs, also Gloss Paint, Enamel, etc., Absolutely FREE FROM GRIT, ACIDS, ALKALIES OR GREASE; Will not Mar, Stain or Discolor Any Surface.

Per Dozen  
**No. 3MP**—PASTE: Put up in Round Glass Jars 5 1/4 inches High, 2 1/2 inches in Diameter; Weight per dozen about 14 1/4 lbs. \$4.00

DIRECTIONS ON EACH JAR.

One Dozen in a Wood Case, with Heavy Wire Display Stand and Advertising Card.



PUTZ POMADE.  
"Helmet Brand."

For Cleaning and Polishing all kinds of Metal.

Per Dozen Boxes  
**No. 0**—3 oz. Tin Boxes; Weight per dozen boxes about 2 lbs. \$1.25

One-half Dozen in a Package.

**No. 1**—1 lb. Cans; Weight per dozen cans about 12 lbs. 7.50

One-sixth Dozen in a Package.



POLISHINE.  
Pomade.

For Cleaning and Polishing all kinds of Metal or Glass Surfaces; Free from Grit or Acids.

Per Dozen Boxes  
**No. 7P**—3 oz. Tin Boxes; Weight per dozen boxes about 2 1/2 lbs. \$1.25

One Dozen Boxes in a Package.



## METAL POLISH.

### POLISHINE LIQUID.

For Cleaning and Polishing all kinds of Metal, Gold, Silver, Aluminum, Tin, Copper, Brass, Zinc, or Glass Surfaces; Free from Grit, Acids or Dangerous Explosives.

|         |                                                   | Per Dozen Cans         |
|---------|---------------------------------------------------|------------------------|
| No. 0P— | 1/2 Pint Cans; Weight per dozen cans about 3 lbs. | \$1.25                 |
| No. 1P— | 1/2 Pint Cans; Weight per dozen cans about 7 lbs. | 3.00                   |
| No. 2P— | 1 Pint Cans; Weight per dozen cans about 12 lbs.  | 5.40                   |
|         |                                                   | Three Dozen in a Case. |
| No. 3P— | 1 Quart Cans; Weight per dozen cans about 21 lbs. | 9.00                   |
|         |                                                   | Two Dozen in a Case.   |

## ENGINEERS' FILLERS.



Made of 20 Gauge Cold Rolled Coppered Steel; Seamed Bottom; Reinforced Bent Spout; Soldered Flat Handle; Threaded Filler Cap 5/8 inch Diameter.

|                                   |       | 210     |
|-----------------------------------|-------|---------|
| No. ....                          |       |         |
| Diameter at Bottom, inches .....  | 5     |         |
| Capacity, pints .....             | 2     |         |
| Length of Spout, inches .....     | 5 1/2 |         |
| Height, inches .....              | 5     |         |
| Weight per dozen about, lbs. .... | 12    |         |
| Per dozen .....                   |       | \$20.00 |

## MACHINE OILERS.

### MALLEABLE.

Solid Malleable Iron Tank, Copper Bronze Finish; Soldered Brass Bottom; With Threaded Steel Seamed and Brazed Spout, Tinned.



|                                   |        | 1M    | 2M    | 3M |
|-----------------------------------|--------|-------|-------|----|
| Nos. ....                         |        |       |       |    |
| Diameter at Bottom, inches ...    | 3 1/4  | 3 3/4 | 3 3/8 |    |
| Capacity, pints .....             | 1 1/2  | 1 1/2 | 2     |    |
| Length of Spout, inches .....     | 2      | 2     | 2     |    |
| Height over all, inches .....     | 6      | 6     | 6     |    |
| Weight per dozen about, lbs. .... | 2      | 3     | 4     |    |
| Per dozen .....                   | \$3.60 | 4.00  | 4.40  |    |

One Dozen in a Cardboard Box.

## MACHINE OILERS.



### CHACE.

Seamless Tank; Soldered Spring Bottom; Threaded Straight Spout, Seamed and Soldered.

### ZINC; TIN BOTTOM.

|                                   |        | 0Z     | 1Z    | 2Z    | 3Z |
|-----------------------------------|--------|--------|-------|-------|----|
| Nos. ....                         |        |        |       |       |    |
| Diameter at Bottom, inches ....   | 2 1/4  | 2 1/4  | 3 1/4 | 3 3/4 |    |
| Capacity, pints .....             | 1 1/2  | 3 1/16 | 3 1/2 | 3 1/2 |    |
| Length of Spout, inches .....     | 2 1/4  | 2 1/4  | 4 1/4 | 4 1/4 |    |
| Height over all, inches .....     | 4      | 4 1/2  | 7     | 7     |    |
| Weight per dozen about, lbs. .... | 1 1/2  | 1 1/2  | 3 1/2 | 3 1/2 |    |
| Per dozen .....                   | \$1.25 | 1.50   | 2.00  | 2.25  |    |
| Nos. ....                         |        | 4Z     | 5Z    | 6Z    |    |
| Diameter at Bottom, inches ....   | 4 1/4  | 4 1/2  | 4 3/4 | 4 3/4 |    |
| Capacity, pints .....             | 3 1/2  | 3 1/2  | 3 1/2 | 3 1/2 |    |
| Length of Spout, inches .....     | 4 1/4  | 5      | 5     | 5     |    |
| Height over all, inches .....     | 7 1/4  | 8 1/2  | 9     | 9     |    |
| Weight per dozen about, lbs. .... | 3 1/2  | 1 1/4  | 1 1/4 | 1 1/4 |    |
| Per dozen .....                   | \$3.75 | 3.50   | 4.50  |       |    |

### BRASS; BRASS BOTTOM.

|                                   |        | 3/CB  | 4/CB   | 5/CB   |
|-----------------------------------|--------|-------|--------|--------|
| Nos. ....                         |        |       |        |        |
| Diameter at Bottom, inches ....   | 3 3/4  | 4 1/4 | 4 1/4  | 4 1/4  |
| Capacity, pints .....             | 3 1/2  | 3 1/2 | 3 1/2  | 3 1/2  |
| Length of Spout, inches .....     | 8      | 8     | 8      | 8      |
| Height over all, inches .....     | 10 1/2 | 11    | 11 1/4 | 11 1/4 |
| Weight per dozen about, lbs. .... | 3 1/2  | 4     | 4 1/4  | 4 1/4  |
| Per dozen .....                   | \$4.42 | 4.75  | 6.00   |        |

### COPPER; BRASS BOTTOM.

|                              |        | 2/C   | 3/C   | 4/C   | 5/C   | 6/C   |
|------------------------------|--------|-------|-------|-------|-------|-------|
| Nos. ....                    |        |       |       |       |       |       |
| Diameter at Bottom, in. .... | 3 1/4  | 3 3/4 | 4 1/4 | 4 1/4 | 4 3/4 | 4 3/4 |
| Capacity, pints .....        | 1 1/2  | 1 1/2 | 3 1/2 | 3 1/2 | 3 1/2 | 3 1/2 |
| Length of Spout, in. ....    | 4 1/4  | 4 1/4 | 5     | 5     | 6     | 6     |
| Height over all, in. ....    | 7      | 7     | 8 1/2 | 9     | 9     | 9     |
| Wgt. Doz. about, lbs. ....   | 3 1/2  | 3 1/2 | 3 1/2 | 1 1/4 | 1 1/4 | 1 1/4 |
| Per dozen .....              | \$3.75 | 4.25  | 5.00  | 6.25  | 8.00  |       |

No. 0Z, One Dozen; Balance One-half Dozen in a Cardboard Box.

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## COPPERITE STEEL OILERS.



Seamless Coppered Steel Tank; Soldered Copper Bottom; Straight Steel Threaded Coppered Spout, Seamed and Brazed.

| Nos.                             | 12     | 13    | 14A   |
|----------------------------------|--------|-------|-------|
| Diameter at Bottom, inches.....  | 2 3/4  | 3 3/4 | 3 3/4 |
| Capacity, pints.....             | 1 1/2  | 3     | 3 1/2 |
| Length of Spout, inches.....     | 2 1/2  | 3 3/4 | 3 3/4 |
| Height over all, inches.....     | 4 1/2  | 7 1/2 | 7 1/2 |
| Weight per dozen about, lbs..... | 1 1/2  | 1 1/2 | 2 1/4 |
| Per dozen.....                   | \$4.50 | 5.50  | 7.50  |

Extra Spouts for No. 14A Oilers..... \$2.75

One Dozen in a Cardboard Box.



Seamless Coppered Steel Tank and Oval Top, Soldered to Lower Section; 3/4 inch Threaded Filler Cap, with Vent Hole; Flat Coppered Steel Handle 3/4 inch Wide; Bent Steel Reversible Coppered Spout, Extra Long, Seamed and Brazed, with Threaded Hood.

| Nos.                             | 10      | 11     |
|----------------------------------|---------|--------|
| Diameter at Bottom, inches.....  | 3 3/4   | 4 1/4  |
| Capacity, pints.....             | 1       | 2      |
| Length of Spout, inches.....     | 12      | 18     |
| Height over all, inches.....     | 16      | 24 1/4 |
| Weight per dozen about, lbs..... | 5       | 10     |
| Per dozen.....                   | \$14.00 | 18.00  |

One-half Dozen in a Cardboard Box.



Seamless Coppered Steel Tank; Soldered Copper Bottom; Bent Steel Threaded Coppered Spout, Seamed and Brazed.

| Nos.                             | 14     | 16     |
|----------------------------------|--------|--------|
| Diameter at Bottom, inches.....  | 3 3/4  | 4 1/4  |
| Capacity, pints.....             | 3      | 3 1/2  |
| Length spout, in. 9              | 9      | 9      |
| Height over all, inches.....     | 11 1/2 | 12 1/4 |
| Weight per dozen about, lbs..... | 4      | 5      |
| Per dozen.....                   | \$6.50 | 10.50  |

Per Dozen

Extra Spouts for No. 14 Oilers..... \$4.25

One Dozen in a Cardboard Box.



Seamless Coppered Steel Tank; Soldered Copper Bottom; Straight Steel Threaded Coppered Spout, Seamed and Brazed.

| No.                           | 13A    |
|-------------------------------|--------|
| Diameter Bottom, inches.....  | 3 3/4  |
| Capacity, pints.....          | 3      |
| Length of Spout, inches.....  | 5      |
| Height over all, inches.....  | 7 1/2  |
| Wgt. per doz. about, lbs..... | 1 1/2  |
| Per dozen.....                | \$6.00 |

Per Dozen

Extra Spouts for No. 13A Oilers..... \$3.25

One Dozen in a Cardboard Box.



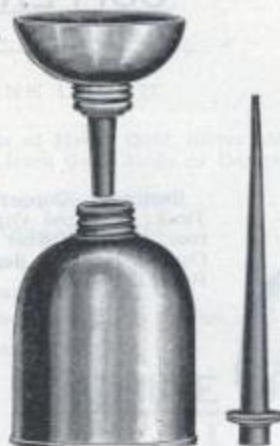
Seamless Coppered Steel Tank and Seamless Coppered Steel Oval Top, Soldered to Lower Section; 1 inch Threaded Filler Cap with Vent Hole; Flat Coppered Steel Handle, 3/4 inch Wide, with Reinforced Grip; Bent Steel Reversible Coppered Spout, Seamed and Brazed, with Threaded Hood.

| No.                           | 101     |
|-------------------------------|---------|
| Diameter at Bottom, in. 4 1/4 | 4 1/4   |
| Capacity, quarts.....         | 1       |
| Length of Spout, inches.....  | 12      |
| Height over all, inches.....  | 18      |
| Wgt. per doz. about, lbs..... | 10      |
| Per dozen.....                | \$18.00 |

One-half Dozen in a Cardboard Box.

## COMBINATION OILER AND FUNNEL.

WILLIAMSON'S.



Showing No. 832 taken apart—  
Funnel being inserted in  
Body of Oiler.

No. 832—Capacity  $\frac{1}{2}$  Pint; Diameter 3 inches; Height to Top of Body  $3\frac{1}{4}$  inches; Length of Oiler, over all, 9 inches; Diameter of Funnel  $2\frac{3}{4}$  inches; Length of Funnel, over all,  $2\frac{3}{4}$  inches; Length of Funnel Spout  $1\frac{1}{2}$  inches; Weight per dozen about 5 lbs. . . . . Per Dozen \$4.00

Copper Plated Seamless Sheet Steel Body, with Stamped Threaded Collar and Spring Steel Bottom, Securely Soldered on.

Fitted with Combination Removable Funnel and Spout Retainer, made of Copper Plated Seamless Sheet Steel with Stamped Collar and Soldered Spout.

5 inch Copper Plated Steel Oiler Spout, fitted with Steel Flange and Leather Washer.

The Patent Removable Top on this Oiler is a Complete Funnel in Itself and can be used as such wherever a Funnel is required, making it a very handy arrangement for Filling Oilers, etc.

To Adjust the Spout, Insert through the Bottom of Funnel, which will fit snugly into the Collar, the Funnel or Top can then be screwed to the Oiler, making it ready for use.

One Dozen in a Cardboard Box.

## INDESTRUCTIBLE ENGINEERS' OILER SETS.



Nos. C30 to N80.

Made of No. 20 B. & S. Gauge Brass. Bottoms are made of Tempered Spring Steel. Highly Polished and Lacquered. Bushings of solid Brass, Machine Cut. Leather Washers are cut from split sides. These Oilers can be furnished with Brass Bottoms if desired, at no extra expense.

## WITH ROUND TRAY.

|                                                       |              |
|-------------------------------------------------------|--------------|
| No. C/30—5 Pieces, Copper Plated (counting Tray)..... | Each \$ 5.00 |
| No. C/40—6 Pieces, Copper Plated (counting Tray)..... | 7.00         |
| No. N50—5 Pieces, Nickel Plated (counting Tray).....  | 7.00         |
| No. N80—6 Pieces, Nickel Plated (counting Tray).....  | 10.00        |

One Set in a Cardboard Box.

Nos. C/30 and C/40 about 4 lbs per Set, Nos. N50 and N80 about 5 lbs per Set.

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## ENGINEERS' OILERS.



## BALL VALVE.

1C Tin, Seamed and Soldered;  
Stamped Tin Concave Screw Cap;  
Patent Clamped Air Valve Spout  
with Lead Ball for Regulating Air  
Inlet, which Causes a Drip without  
Thumb Pressure; Galvanized Iron  
Bottom; Flat Tin Handle.



| Nos.                      | 2E     | 3E     |
|---------------------------|--------|--------|
| Diameter at Bottom, in.   | 3 1/4  | 3 1/2  |
| Capacity, pints           | 1      | 2 1/2  |
| Length of Spout, inches   | 7      | 7      |
| Height over all, inches   | 12     | 12 1/4 |
| Wgt. per doz. about, lbs. | 6      | 8      |
| Per dozen                 | \$3.25 | 3.75   |

## DRIP.

IXX Polished Tin, Double  
Seamed and Soldered; Cone Top;  
1/2 inch Screw Filler Cap, with  
Vent Hole; Flat Tin Handle; Sheet  
Steel Threaded Bent Spout.



| Nos.                            | 220    | 221   | 222    |
|---------------------------------|--------|-------|--------|
| Diameter at Bottom,<br>inches   | 3      | 3 1/2 | 3 3/4  |
| Capacity, pints                 | 1      | 1 1/2 | 2      |
| Length of Spout, in.            | 7      | 7     | 7      |
| Height over all, in.            | 12 1/2 | 13    | 13 1/2 |
| Weight per dozen<br>about, lbs. | 6      | 8     | 10     |
| Per dozen                       | \$3.75 | 4.25  | 4.50   |

One-half Dozen in a Cardboard Box.

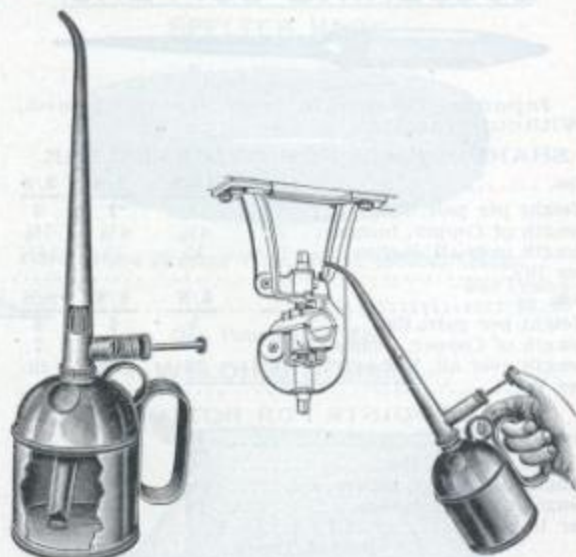
## GOODWIN'S.

IXX Tin, Double Seamed and  
Soldered; Double Beaded Body;  
Cone Shaped Top, with Spring  
Lever Shut-off to Regulate Flow;  
1/2 inch Screw Filler Cap, with Vent  
Hole; Flat Tin Reinforced Handle;  
Threaded Bent Spout.



| Nos.                      | 617    | 521   |
|---------------------------|--------|-------|
| Diameter at Bottom, in.   | 3 1/4  | 4     |
| Capacity, pints           | 1      | 2     |
| Length of Spout, inches   | 4 1/2  | 6 1/2 |
| Height over all, inches   | 17     | 21    |
| Wgt. per doz. about, lbs. | 7      | 10    |
| Per dozen                 | \$7.00 | 8.00  |

Packed Loose.



## CANNON.

The Cannon Oiler has full Control of the Flow of  
Oil in any position in which the Can may be held. The  
Patent Plunge Cylinder makes it possible to either de-  
posit in any place where the Spout will enter, One Drop  
of Oil, or the Tank may be entirely emptied with a few  
strokes of the Plunger.

Double Seamed and Soldered; Oval Top; 1/2 inch  
Screw Filler Cap, with Vent Hole; Fitted with Pump  
Cylinder and Thumb Plunger, which Pumps the Oil  
through the Spout; Flat Braced Handle and Finger  
Grip; Threaded Bent Spout, Seamed and Soldered.

IX TIN, WITH BRASS CYLINDER AND  
PLUNGER.

| Nos.                         | 20T    | 21T   | 22T    | 23T   |
|------------------------------|--------|-------|--------|-------|
| Diameter at Bottom, inches   | 3      | 3 1/2 | 3 3/4  | 4     |
| Capacity, pints              | 1/2    | 1     | 1 1/2  | 2     |
| Length of Spout, inches      | 6      | 8     | 12     | 20    |
| Height over all, inches      | 9 1/4  | 13    | 17 1/2 | 26    |
| Weight per dozen about, lbs. | 6      | 8     | 10     | 12    |
| Per dozen                    | \$9.00 | 10.00 | 11.00  | 13.00 |

## ALL BRASS.

| Nos.                         | 21B     | 22B    | 23B   |
|------------------------------|---------|--------|-------|
| Diameter at Bottom, inches   | 3 1/2   | 3 3/4  | 4     |
| Capacity, pints              | 1       | 1 1/2  | 2     |
| Length of Spout, inches      | 8       | 12     | 20    |
| Height over all, inches      | 12      | 17 1/2 | 26    |
| Weight per dozen about, lbs. | 8       | 10     | 12    |
| Per dozen                    | \$16.00 | 18.00  | 21.00 |

One-half Dozen in a Cardboard Box.

TRADE MARK:  
"STERLING" AND "KEEP KOO!"  
REGISTERED.

## SOLDERING COPPERS.



Showing Sharp Point.  
Japanned Wrought Iron Welded Shank,  
Without Handle.

### SHARP POINTS FOR ORDINARY USE.

| Nos.                      | 1/8   | 1 1/8 | 2/8    | 3/8    |
|---------------------------|-------|-------|--------|--------|
| Weight per pair, lbs.     | 1     | 1 1/2 | 2      | 3      |
| Length of Copper, inches. | 3     | 4 1/4 | 4 1/2  | 5 1/2  |
| Length over all, inches.  | 11    | 12    | 13     | 14 1/2 |
| Per lb.                   | \$    |       |        |        |
| Nos.                      | 4/8   | 5/8   | 6/8    | 8/8    |
| Weight per pair, lbs.     | 4     | 5     | 6      | 8      |
| Length of Copper, inches. | 5 1/4 | 6     | 5 1/4  | 7      |
| Length over all, inches.  | 16    | 16    | 17 1/4 | 19     |
| Per lb.                   | \$    |       |        |        |

### FLAT POINTS FOR BOTTOMS.

| Nos.                      | 4F    | 5F    | 6F     |
|---------------------------|-------|-------|--------|
| Weight per pair, lbs.     | 4     | 5     | 6      |
| Length of Copper, inches. | 4 1/2 | 5 1/4 | 6      |
| Length over all, inches.  | 16    | 16    | 17 1/4 |
| Per lb.                   | \$    |       |        |

Packed Loose.

When One (1) Only is Wanted, Order as Half-Pair.

## SOLDERING COPPER HANDLES.



No. 15—Plain Pine Wood, Natural Finish, with  
Wired Shank; Diameter 1 1/2 inches; Length  
5 1/4 inches; Weight per dozen about 2 1/2 lbs. \$0.75  
Packed Loose.

## SOLDERING KITS.

For Family Use.



Economy—Consists of Soldering Iron, Scraper,  
Box of Rosin and Small Bar of Solder;  
Ready for Family Use \$3.00  
Length of Iron over all 10 1/4 inches.  
Put up in a Wood Box; Weight per Dozen about 4 lbs.

## SOLDER.



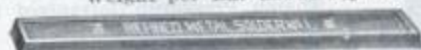
Tinkers' put up in Two and Quarter Ounce Bars  
for Tinkers' and Family use \$24.00  
One Gross in a Box; Weight per Box about 22 lbs.

## SOLDER.

A Composition of Lead and Tin.



Sterling\*, Warranted Strictly Half and Half  
Solder ..... Per Pound  
Weight per Bar about 2 1/4 lbs. \$....



No. 1—ROOFING SOLDER; Weight per bar  
about 1 1/2 lbs. .... Per Pound \$....

No. X—REGULAR HALF AND HALF SOLDER;  
Weight per bar about 2 1/2 lbs. .... \$....

No. XX—STRICTLY HALF AND HALF SOLDER;  
Weight per bar about 2 lbs. .... \$....  
100 lbs. in a Wood Box.



Electric, For mending Tin, Enameled and Alumi-  
num Ware ..... Per Dozen \$1.20  
100 Bunches in a Box; Weight per Box about 3 1/2 lbs.

## BABBIT METAL.



A Composition  
of Lead, Tin  
and Anti-  
mony.

No. 1905—E. C. Simmons' Keep Kool\*, Highest  
Grade, Anti-friction Babbit Metal, Three  
Sections to the Bar ..... Per Pound \$....  
18 Bars in a Wood Box; Weight about, per Bar, 6 lbs.;  
per Box 120 lbs.



Banner\*, High Grade Babbit Metal ..... Per Pound \$....  
Weight per Bar about 5 lbs.; 8 Bars in a Box; Weight  
per Box about 65 lbs.



"Magnolia," Anti-friction ..... Per Pound \$....  
Weight per Bar about 7 lbs.; 8 Bars in a Wood Box;  
Weight per Box about 65 lbs.



|                                                                                      |    |    |     |
|--------------------------------------------------------------------------------------|----|----|-----|
| Nos.                                                                                 | X  | XX | XXX |
| Weight per bar about, lbs.                                                           | 7  | 7  | 7   |
| Per pound                                                                            | \$ | \$ | \$  |
| Packed 8 Bars in a Box; Weight per Box about 65 lbs.                                 |    |    |     |
| Per Pound                                                                            |    |    |     |
| Genuine—BABBIT METAL; A Composition of Tin,<br>Antimony and Copper ..... \$....      |    |    |     |
| Weight per Bar about 4 lbs.; Packed 8 Bars in a Box;<br>Weight per Box about 45 lbs. |    |    |     |



## BRAZING MATERIALS.

### SPELTER.



Medium.

Cuts show actual size of grain.

No. 20—Medium Grain ..... Per Pound .50

One Pound in a Paper Box.

### BRAZOL



Brazol will Braze Cast Iron, Steel, Malleable Iron Castings and Cast Steel; The only Compound that will Successfully Braze Cast Iron as well as other materials. Box contains  $\frac{1}{2}$  pound each No. 1 and No. 2 Brazol, to be used with Spelter.

No. 150—Brazol ..... Per Box \$1.00

Shipped in Original Boxes only; Weight Each about 1 lb.

### SPELTER WIRE.



Soft Brass Brazing Wire, No. 25 (Stubs) Gauge.

No. 25 ..... Per Pound \$0.60

One Pound in a Roll.

### WELDING BORAX.



Borax, Crushed, for Welding Purposes; Packed in Sacks of about 100 lbs. each ..... Per Pound \$0.25

### SOAPSTONE.

Dries the Inside of Casing and makes it easy to Insert Inner Tube in Double-tube Tire. Will not Lajure the Tire.

No. 433—Powdered, Best Quality ..... Per Pound \$0.20

Packed Loose.

## METAL HAND LAMPS.

WE MAKE NO CHARGE FOR PACKING.

FOR  
COAL OIL.



Polished Brass; Height to Top of Burner  $3\frac{1}{4}$  inches; Capacity  $\frac{3}{4}$  Pint; Simplex Burner and No. 1 Flat Wick; BURNS WITHOUT CHIMNEY.

No. 22F ..... Per Dozen \$2.50



Polished Brass; Height to Top of Burner  $3\frac{1}{4}$  inches; Capacity  $\frac{3}{4}$  Pint; Union Ratchet (Round) Burner and Pet Round Wick; BURNS WITHOUT CHIMNEY.

No. 22R ..... Per Dozen \$2.50

One-half Dozen in a Cardboard Box; Weight per Dozen about 2 lbs.

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# **BLOW TORCHES.**

FOR GASOLINE.



Heavy Drawn Seamless Brass Top and Body; Heavy Brass, Soldered, Concave Bottom, with Cast Brass Filler Plug; Can be Filled without the use of a Funnel; Pump in Handle, Soldered to Body; Cast Brass Burner and Pipe, Screwed to Tank; Cast Iron Drip Cup.  
Cast Iron Grip on Needle Valve.

No. 2—Capacity about 1 Pint; Weight each about 1½ lbs. . . . . Each \$4.50



Wood Handle on Needle Valve.  
Pump in Handle, with Check Valve.

No. 18—Capacity 1 Pint; Weight each about 3½ lbs. . . . . Each \$4.50



Heavy Brass Body; Cast Brass Top and Bottom Plates; Entire Tank 2 inches Thick, with Cast Iron Side Support; Cast Brass Filler Plug; Pump in Handle (with Check Valve), Soldered to Body; Cast Brass Burner Screwed to Tank; Cast Iron Drip Cup; Wood Handle on Needle Valve.

No. 47—Capacity 1 Pint; Weight each about 5 lbs. \$6.00  
Each  
Wrapped in Paper; Three in a Wood Box.



Heavy Drawn Seamless Brass Top and Body; Heavy Brass, Soldered Concave Bottom, with Cast Brass Filler Plug; Can be Filled without the use of a Funnel; Pump in Tank; Handle Screwed to Tank; Cast Brass Burner with Soldering Iron Attachment; Cast Iron Drip Cup and Pipe, Screwed to Tank; Cast Iron Grip on Needle Valve.

No. 32—Capacity 1 Quart; Weight each about 5 lbs. . . . . Each \$6.50



Heavy Drawn Seamless Brass Top and Body; Heavy Brass, Soldered, Concave Bottom, with Cast Brass Filler Plug; Can be Filled without the use of a Funnel; Pump in Handle with Check Valve, Soldered to Body; Cast Brass Burner; Cast Iron Drip Cup and Pipe, Screwed to Tank; Wood Handle on Needle Valve.

No. 29—WITHOUT SOLDERING IRON ATTACHMENT; Capacity 1 Quart; Weight each about 5 lbs. . . . . Each \$5.50



No. 30—WITH SOLDERING IRON ATTACHMENT; Capacity 1 Quart; Weight each about 5½ lbs. . . . . Each \$6.00

Wrapped in Paper; One in a Wood Box.

DIRECTIONS FOR OPERATING ACCOMPANIES EACH TORCH.

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## SOLDERING FURNACES.



GEM GASOLINE.

The Burner is Cylindrical in shape, made of Cast Iron, and cannot burn out. It is so constructed, and the shape is such, that the SOLDER from the Soldering Coppers CANNOT FALL INTO THE PERFORATIONS. It is Noiseless and a Powerful Heater. The heat is distributed full length of Coppers. It is Light and Provided with a Handle, making it Portable. It is supplied with Pneumatic Reservoir, which cannot be filled while burning. By the use of same all accidents are prevented. The Resting Plate on which Coppers rest, is but five inches from workman's bench, and Hood Opening is of sufficient size to admit the largest Coppers, which can be readily heated in a short time. It is also provided with a Sliding Cut-off and Drip Cup, of which knob is always cool. The Patent Rubber Bulbs used on our Furnace are of the best quality, and will wear for an indefinite time.

Sheet Steel Riveted Base; Compressed Air; Gasoline Reservoir; Riveted and Soldered; Shut-off Valve and Rubber Air Bulb; Cast Iron Hood; Riveted Handle; Complete with Burner.

Length over all 21 inches; Width of Base 7 inches; Height to Top of Reservoir 14½ inches.

|                                        |              |
|----------------------------------------|--------------|
| No. 21—GEM; With Tin Reservoir.....    | Each \$10.00 |
| No. 22—GEM; With Copper Reservoir..... | 12.00        |

One in a Crate; Weight each about 20 lbs.

## EXTRA PARTS FOR GEM FURNACES.

|                                                           |             |
|-----------------------------------------------------------|-------------|
| No. 1—Bulbs, Good Quality; Weight each about ½ lbs.....   | Each \$0.75 |
| No. 2—Bulbs, Common Quality; Weight each about ½ lbs..... | .60         |
| POTS—For Plumbers use; Weight each about 4 lbs.....       | .75         |
| HOODS—For Plumbers use; Weight each about 4 lbs.....      | .75         |
| BURNERS—Weight each about 1½ lbs.....                     | .75         |

Packed Loose.

## TINNERS' STOVES.

### FOR CHARCOAL.

Japanned Sheet Iron Body; 3 Cast Iron Legs and Base; Cast Iron Trap and Front Door; Cast Iron Top, with Sliding Door and Flue Hole for Stove Pipe Joint; 13 Gauge Wrought Iron Bail.

Per Dozen

|                                                                                            |
|--------------------------------------------------------------------------------------------|
| No. 2—Diameter 8 inches; Height to Top Plate 15¼ inches; Weight each about 13 lbs. \$60.00 |
| One-half Dozen in a Wood Box.                                                              |



## MELTING LADLES.



Malleable Iron Solid Lipped Cup; Riveted Iron Handle.

| Diameter of Ladle, inches.....   | 3      | 4    | 5    |
|----------------------------------|--------|------|------|
| Depth of Ladle, inches.....      | 1½     | 2½   | 3½   |
| Length over all, inches.....     | 11½    | 12½  | 14½  |
| Weight per dozen about, lbs..... | 11     | 13   | 20   |
| Per dozen.....                   | \$2.00 | 3.00 | 4.25 |

Packed Loose.

-2563-

**FIRE POTS.**

FOR GASOLINE.

One Gallon per Burner for Eight Hours Steady Work.



No. 1, One Burner.



No. 5, One Burner.

Heavy Galvanized Iron Tank, Lacquered; Bottom Protected by Heavy Cast Iron Ring, Soldered to Body; Brass Pump in Tank; Brass Filler Plug; Heavy Sheet Steel Black Japanned Removable Hood and Cover; Can Heat Kettle of Lead and a Pair of Soldering Irons at same time; Brass Burner on Swivel Joint; Iron Supply Pipe; Cast Iron Grip on Needle Valve; Bail  $\frac{5}{32}$  inch Wire, with Wood Handle, Black Japanned.

|                          |         |
|--------------------------|---------|
| No. 1—Capacity 1 Gallon; | Each    |
| Weight each about 14     |         |
| lbs. ....                | \$12.00 |

|                                      |        |
|--------------------------------------|--------|
| No. 5—Capacity $\frac{1}{2}$ Gallon; | Each   |
| Weight each about 12                 |        |
| lbs. ....                            | \$9.00 |



No. 10, with Bulb.



No. 20, with Pump.

Heavy Galvanized Iron Tank; Galvanized Cast Iron Top Plate and Bottom Ring, Soldered to Body; Brass Filler Plug; Removable Hood, Heavy Sheet Steel; COILED IRON BURNER and Stand Pipe; Brass Fittings; Cast Iron Grip on Needle Valve; Top Grate Cast Iron, fastened by Three  $\frac{1}{4}$  inch Steel Rods screwed to Top Plate of Tank;  $\frac{1}{8}$  inch Iron Wire Bail, with Wood Handle, Black Japanned.

Rubber Bulb and Hose Fastened to Brass Fitting, with Check Valve.

|                                                         |        |
|---------------------------------------------------------|--------|
| No. 10—Capacity $\frac{1}{2}$ Gallon; Weight each about | Each.  |
| 13 lbs. ....                                            | \$6.00 |

Brass Pump in Tank.

|                                                         |        |
|---------------------------------------------------------|--------|
| No. 20—Capacity $\frac{1}{2}$ Gallon; Weight each about | Each.  |
| 13 lbs. ....                                            | \$6.50 |

Wrapped in Paper, One in a Wood Box.

DIRECTIONS FOR OPERATING ACCOMPANY EACH FIRE POT.

**EXTRA METAL POTS.**

Cast Iron, with Bail.

Per Dozen

|                                                                                 |        |
|---------------------------------------------------------------------------------|--------|
| No. MP5—4 $\frac{1}{2}$ inches in Diameter; Weight per dozen about 40 lbs. .... | \$6.00 |
|---------------------------------------------------------------------------------|--------|

|                                                                               |      |
|-------------------------------------------------------------------------------|------|
| No. 6—5 $\frac{1}{2}$ inches in Diameter; Weight per dozen about 65 lbs. .... | 8.00 |
|-------------------------------------------------------------------------------|------|

Packed Loose.



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## STEEL WIRE.



## Annealed Plain, Smooth Fence Wire: In 100 lb. Bundles.

| Nos.    | 6      | 7   | 8   | 9   | 10  | 11  | 12   | 12½  | 13   | 14   | 15  | 16  |
|---------|--------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|
| Per lb. | \$0.10 | .10 | .10 | .10 | .11 | .11 | .11½ | .11½ | .12½ | .12½ | .14 | .14 |

Nos. 13, 14, 15, 16 Annealed Fence Wire are USED FOR BAILING WIRE.

## Galvanized Smooth Fence Wire: In 100 lb. Bundles.

| Nos.    | 6      | 7   | 8   | 9   | 10  | 11  | 12   | 12½  | 13   | 14   | 15  | 16  |
|---------|--------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|
| Per lb. | \$0.10 | .10 | .10 | .10 | .11 | .11 | .11½ | .11½ | .12½ | .12½ | .14 | .14 |

## Bright Market Wire: In 100 lb. Bundles.

| Nos.    | 6      | 7   | 8   | 9   | 10  | 11  | 12   | 14   | 16  |
|---------|--------|-----|-----|-----|-----|-----|------|------|-----|
| Per lb. | \$0.10 | .10 | .10 | .10 | .11 | .11 | .11½ | .12½ | .14 |

## Coppered Market Wire: In 100 lb. Bundles.

| Nos.    | 6      | 7   | 8   | 9   | 10  | 11  | 12   | 14   |
|---------|--------|-----|-----|-----|-----|-----|------|------|
| Per lb. | \$0.10 | .10 | .10 | .10 | .11 | .11 | .11½ | .12½ |

## NUMBERS AND SIZES OF WIRE BY STANDARD WIRE GAUGE.

Our Stock Spring Steel is Premier, which is Best Grade Made.

Table of Sizes, Weights and Lengths of Iron and Steel Wire.

| Diam. Inches | Gauge No. | Diam. Inches | Pounds per Foot | Pounds per Mile | Feet per Pound | Feet per 3000 lbs. | Diam. Inches | Gauge No. | Diam. Inches | Pounds per Foot | Pounds per Mile | Feet per Pound | Feet per 3000 lbs. |
|--------------|-----------|--------------|-----------------|-----------------|----------------|--------------------|--------------|-----------|--------------|-----------------|-----------------|----------------|--------------------|
| 1/2          | .....     | .500         | .6625           | 3498.00         | 1.50           | 3018               | .....        | 5         | .207         | .1135           | 559.28          | 8.81           | 17621              |
| .....        | 7/0       | .490         | .6363           | 3359.66         | 1.51           | 3023               | .....        | 6         | .192         | .0977           | 515.85          | 10.23          | 20471              |
| 1 1/32       | .....     | .468         | .5804           | 3064.51         | 1.72           | 3445               | 3/16         | .....     | .187         | .0926           | 488.92          | 10.79          | 21598              |
| .....        | 6/0       | .460         | .5608           | 2961.02         | 1.78           | 3566               | .....        | 7         | .177         | .0830           | 438.24          | 12.04          | 24096              |
| 7/16         | .....     | .437         | .5061           | 2672.21         | 1.97           | 3952               | .....        | 8         | .162         | .0696           | 367.48          | 14.36          | 28735              |
| .....        | 5/0       | .430         | .4901           | 2587.72         | 2.04           | 4081               | 5/32         | .....     | .156         | .0644           | 340.03          | 15.52          | 31056              |
| 1 1/8        | .....     | .406         | .4368           | 2306.30         | 2.28           | 4578               | .....        | 9         | .148         | .0580           | 306.24          | 17.24          | 34482              |
| .....        | 4/0       | .393         | .4094           | 2161.63         | 2.44           | 4885               | .....        | 10        | .135         | .0483           | 255.02          | 20.72          | 41408              |
| 3/8          | .....     | .375         | .3726           | 1967.33         | 2.68           | 5367               | 1/8          | .....     | .125         | .0414           | 218.59          | 24.15          | 48309              |
| .....        | 3/0       | .362         | .3473           | 1833.74         | 2.87           | 5758               | .....        | 11        | .120         | .0382           | 201.69          | 26.17          | 52356              |
| 1 1/4        | .....     | .343         | .3117           | 1645.78         | 3.20           | 6412               | .....        | 12        | .105         | .0292           | 154.17          | 34.24          | 68493              |
| .....        | 00        | .331         | .2904           | 1523.31         | 3.44           | 6887               | 3/32         | .....     | .093         | .0229           | 120.91          | 43.66          | 87336              |
| 5/16         | .....     | .312         | .2579           | 1361.71         | 3.87           | 7755               | .....        | 13        | .092         | .0224           | 118.27          | 44.64          | 89286              |
| .....        | 0         | .297         | .2497           | 1318.41         | 4.00           | 8011               | .....        | 14        | .080         | .0169           | 89.23           | 59.17          | 118343             |
| .....        | 1         | .283         | .2123           | 1120.94         | 4.71           | 9420               | .....        | 15        | .072         | .0137           | 72.33           | 72.99          | 145985             |
| 9/32         | .....     | .281         | .2092           | 1104.57         | 4.78           | 9560               | .....        | 16        | .063         | .0105           | 55.44           | 95.23          | 190476             |
| .....        | 2         | .263         | .1834           | 968.35          | 5.45           | 10905              | 1/16         | .....     | .062         | .0101           | 53.22           | 99.00          | 198020             |
| 1 1/8        | .....     | .250         | .1656           | 874.36          | 6.03           | 12077              | .....        | 17        | .054         | .00772          | 40.76           | 129.53         | 259068             |
| .....        | 3         | .244         | .1578           | 733.18          | 6.33           | 12674              | .....        | 18        | .047         | .00585          | 30.89           | 170.94         | 341882             |
| .....        | 4         | .225         | .1342           | 708.57          | 7.45           | 14903              | .....        | 19        | .041         | .00445          | 22.49           | 224.71         | 449438             |
| 7/32         | .....     | .218         | .1259           | 664.75          | 7.94           | 15885              | .....        | 20        | .035         | .00324          | 17.10           | 308.66         | 617328             |



## ANNEALED WIRE (Am. Steel &amp; Wire Co. Gauge).

Per Dozen

No. 19A—ANNEALED WIRE;  $\frac{1}{4}$  lb. Coils; No. 19 Wire; 50 Feet in Coil ..... \$1.00

One Dozen Coils in a Box.

## ANNEALED STEEL WIRE.

| Nos.             | AB17   | AB18 | AB19 | AB20 | AB22 | AB24 |
|------------------|--------|------|------|------|------|------|
| Wire Gauge, Nos. | 17     | 18   | 19   | 20   | 22   | 24   |
| Per lb.          | \$0.15 | .16  | .19  | .20  | .22  | .24  |

One Stone (12 lbs.) in a Bundle.

## BRASS SPRING WIRE (Brown &amp; Sharpe's Gauge).

| Nos.             | BB2    | BB3  | BB4  | BB5  | BB6  | BB7  | BB8  | BB9  | BB10 |
|------------------|--------|------|------|------|------|------|------|------|------|
| Wire Gauge, Nos. | 2      | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
| Per lb.          | \$0.50 | .50  | .50  | .50  | .50  | .50  | .50  | .51  | .51  |
| Nos.             | BB11   | BB12 | BB13 | BB14 | BB15 | BB16 | BB18 | BB20 | BB24 |
| Wire Gauge, Nos. | 11     | 12   | 13   | 14   | 15   | 16   | 18   | 20   | 24   |
| Per lb.          | \$0.51 | .51  | .51  | .51  | .52  | .52  | .54  | .55  | .64  |

Sold Only in 5 lb. Bundles.

## COPPER WIRE (Brown &amp; Sharpe's Gauge).

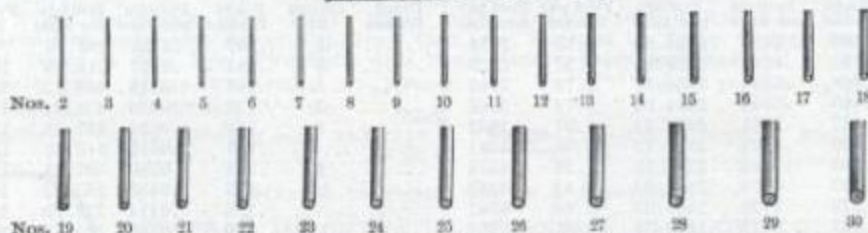
| Nos.             | CB2    | CB4  | CB6  | CB8  | CB10 | CB12 | CB13 | CB14 |
|------------------|--------|------|------|------|------|------|------|------|
| Wire Gauge, Nos. | 2      | 4    | 6    | 8    | 10   | 12   | 13   | 14   |
| Per lb.          | \$0.56 | .56  | .56  | .56  | .57  | .57  | .57  | .57  |
| Nos.             | CB15   | CB16 | CB17 | CB18 | CB19 | CB20 | CB22 | CB24 |
| Wire Gauge, Nos. | 15     | 16   | 17   | 18   | 19   | 20   | 22   | 24   |
| Per lb.          | \$0.64 | .64  | .66  | .66  | .66  | .70  | .76  | .76  |

Sold Only in 5 lb. Bundles.

## BRASS AND COPPER WIRE GAUGES.

Some Manufacturers use Brown and Sharpe Gauge, While Others use a Stubbs Gauge. The difference, however, in above Gauges when No. 10 is passed is very slight. Annealed Wire is Drawn almost entirely to American Steel & Wire Co. Gauge.

## MUSIC WIRE.



## MUSIC WIRE (Nos. by Music Wire Gauge).

Drawn from Finest Steel, Spring Tempered; Particularly Adapted for Musical Instruments; Also used by Sewing Machine and other Manufacturers who Require First-class Springs, without Tempering; Is very Tough and Springy and is ready for use when Wound.

|         |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Nos.    | <u>2</u>  | <u>3</u>  | <u>4</u>  | <u>5</u>  | <u>6</u>  | <u>7</u>  | <u>8</u>  | <u>9</u>  | <u>10</u> | <u>11</u> | <u>12</u> | <u>13</u> | <u>14</u> | <u>15</u> | <u>16</u> |
| Per lb. | \$7.00    | 6.25      | 4.80      | 5.00      | 3.00      | 2.00      | 2.00      | 2.00      | 1.50      | 1.50      | 1.50      | 1.50      | 1.50      | 1.50      | 1.50      |
| Nos.    | <u>17</u> | <u>18</u> | <u>19</u> | <u>20</u> | <u>21</u> | <u>22</u> | <u>23</u> | <u>24</u> | <u>25</u> | <u>26</u> | <u>27</u> | <u>28</u> | <u>29</u> | <u>30</u> |           |
| Per lb. | \$1.50    | 1.50      | 1.50      | 1.50      | 1.50      | 1.50      | 1.50      | 1.50      | 1.50      | 1.50      | 1.50      | 1.50      | 1.50      | 1.50      | 1.50      |

One Pound in a Coil; Sold only in Full Coils.

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**WIRE ON SPOOLS****ANNEALED HAIR WIRE; 1 OZ. SPOOLS.**

|                  |        |       |       |       |
|------------------|--------|-------|-------|-------|
| Wire Gauge, Nos. | AS/28  | AS/30 | AS/32 | AS/34 |
| Per dozen spools | \$0.50 | .50   | .50   | .50   |

**TINNED HAIR WIRE; 1 OZ. SPOOLS.**

|                  |        |     |     |     |     |
|------------------|--------|-----|-----|-----|-----|
| Wire Gauge Nos.  | 28T    | 30T | 32T | 34T | 36T |
| Per dozen spools | \$0.70 | .70 | .70 | .70 | .70 |

**ANNEALED STEEL WIRE; ¼ LB. SPOOLS.**

Shellac Coated; Old English Gauge.

|                   |        |       |       |       |       |       |       |
|-------------------|--------|-------|-------|-------|-------|-------|-------|
| Nos.              | AS/17  | AS/18 | AS/19 | AS/20 | AS/22 | AS/24 | AS/26 |
| Wire Gauge, Nos.  | 17     | 18    | 19    | 20    | 22    | 24    | 26    |
| No. feet on spool | 33     | 45    | 55    | 78    | 119   | 178   | 268   |
| Per dozen spools  | \$0.96 | .96   | 1.02  | 1.02  | 1.10  | 1.14  | 1.20  |

**TINNED ANNEALED STEEL WIRE; ¼ LB. SPOOLS.**

|                  |        |      |      |      |
|------------------|--------|------|------|------|
| Nos.             | 18T    | 20T  | 22T  | 24T  |
| Per dozen spools | \$1.20 | 1.25 | 1.32 | 1.40 |

**SOFT COPPER WIRE; 1 OZ. SPOOLS.**

|                  |        |      |      |      |
|------------------|--------|------|------|------|
| Nos.             | 18C    | 20C  | 22C  | 24C  |
| Per dozen spools | \$1.00 | 1.00 | 1.00 | 1.00 |

**SOFT COPPER WIRE; ¼ LB. SPOOLS.**

|                  |        |       |       |       |       |       |
|------------------|--------|-------|-------|-------|-------|-------|
| Nos.             | CS/16  | CS/18 | CS/20 | CS/22 | CS/24 | CS/26 |
| Wire Gauge, Nos. | 16     | 18    | 20    | 22    | 24    | 26    |
| Per dozen spools | \$2.20 | 2.20  | 2.20  | 2.40  | 2.60  | 2.70  |

**SOFT COPPER WIRE; 1 LB. SPOOLS.**

|                  |         |         |         |         |         |         |
|------------------|---------|---------|---------|---------|---------|---------|
| Nos.             | CS/16/1 | CS/18/1 | CS/20/1 | CS/22/1 | CS/24/1 | CS/26/1 |
| Wire Gauge, Nos. | 16      | 18      | 20      | 22      | 24      | 26      |
| Per dozen spools | \$7.50  | 7.50    | 7.50    | 8.20    | 8.60    | 9.20    |

**SOFT BRASS WIRE; 1 OZ. SPOOLS.**

|                  |        |     |     |     |
|------------------|--------|-----|-----|-----|
| Nos.             | 18B    | 20B | 22B | 24B |
| Per dozen spools | \$0.80 | .80 | .80 | .80 |

**BRASS SPRING WIRE; ¼ LB. SPOOLS.**

|                  |        |       |       |       |       |       |
|------------------|--------|-------|-------|-------|-------|-------|
| Nos.             | BS/18  | BS/20 | BS/22 | BS/24 | BS/26 | BS/28 |
| Wire Gauge, Nos. | 18     | 20    | 22    | 24    | 26    | 28    |
| Per dozen spools | \$2.15 | 2.21  | 2.35  | 2.55  | 2.80  | 3.33  |

**BRASS SPRING WIRE; 1 LB. SPOOLS.**

|                  |         |         |         |         |         |         |
|------------------|---------|---------|---------|---------|---------|---------|
| Nos.             | BS/18/1 | BS/20/1 | BS/22/1 | BS/24/1 | BS/26/1 | BS/28/1 |
| Wire Gauge, Nos. | 18      | 20      | 22      | 24      | 26      | 28      |
| Per dozen spools | \$6.60  | 6.84    | 7.24    | 8.40    | 9.02    | 10.40   |

One Dozen Spools in a Box. Spools Counted in Weight of Wire.

**WIRE ASSORTMENT.**

In Wood Display Case.



Per Case

No. 76 Case—Assorted Spool Wire; Containing 147 Spools; Size of Case 15x13½x3 inches.....\$15.00

**CONTENTS:**

- 18—Small Spools SOFT COPPER WIRE, Six each Nos. 20C, 22C and 24C.
- 18—Small Spools SOFT BRASS WIRE, Six each Nos. 20B, 22B and 24B.
- 15—¼ lb. Spools BLACK ANNEALED STEEL WIRE, Three each Nos. AS/18, AS/20, AS/22, AS/24 and AS/26.
- 48—Small Spools BLACK ANNEALED STEEL WIRE, Twelve each Nos. AS/28, AS/30, AS/32 and AS/34.
- 12—¼ lb. Spools TINNED ANNEALED STEEL WIRE, Three each Nos. 18T, 20T, 22T and 24T.
- 36—Small Spools TINNED ANNEALED STEEL WIRE, Twelve each Nos. 28T, 30T and 32T.

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Weight per Case about 16 lbs.

NOTE—The following Numbers contained in Assortment No. 76, are carried in Stock and can be bought separately for refilling purposes: Nos. 20C, 22C, 24C, 20B, 22B, 24B, AS/18, AS/20, AS/22, AS/24, AS/26, AS/28, AS/30, AS/32, AS/34, 18T, 20T, 22T, 24T, 28T, 30T and 32T.

**HIGH BRASS.**

The Term High Brass Designates Quality and not Temper. Contains a Larger Percentage of Zinc, and Less Copper than Low Brass.



**In Rolls:** 12 inches Wide; Suitable for

Spinning and General Use.

|                |        |     |     |     |     |     |     |     |     |
|----------------|--------|-----|-----|-----|-----|-----|-----|-----|-----|
| Gauge No. .... | 12     | 14  | 16  | 18  | 20  | 22  | 24  | 26  | 28  |
| Per lb .....   | \$0.23 | .23 | .23 | .23 | .23 | .23 | .23 | .24 | .24 |

Full Rolls vary from 25 to 50 lbs. on each size.

Sold in any Quantity.

**In Sheets:** Half Hard, 24x48 inches.

|                                   |        |     |     |     |
|-----------------------------------|--------|-----|-----|-----|
| Gauge No .....                    | 16     | 18  | 20  | 24  |
| Weight per sheet about, lbs. .... | 18     | 16  | 13  | 8   |
| Per pound .....                   | \$0.34 | .34 | .40 | .56 |

Sold Only in Full Sheets.

High Brass Measured with Brown and Sharpe's Gauge.

**HOOP BRASS.**

For Use on Wood Pails and Harness Trimmings.

No. 22-22 Gauge Hoop Brass.



|                                       |        |     |      |     |       |
|---------------------------------------|--------|-----|------|-----|-------|
| Width, inches .....                   | 1/2    | 3/4 | 7/8  | 1   | 1 1/2 |
| Weight per foot about, lbs. ....      | 1/16   | 1/8 | 3/16 | 1/4 | 3/8   |
| Per lb. IN FULL ROLLS .....           | \$0.40 | .35 | .35  | .35 | .35   |
| Per lb. in LESS THAN FULL ROLLS ..... | \$0.45 | .40 | .40  | .40 | .40   |

Weight per Full Roll, from 15 to 30 lbs.; Put up in Rolls Securely Wired.

**STENCIL SETS, STENCIL LETTERS AND FIGURES.**

Reese's Patent Adjustable.  
Stamped from Sheet Brass.



Showing Use.

**Reese's Alphabet, 33 Pieces, COMPLETE IN BOXES;**

Consisting of 26 Letters, 1 Beginner; 1 Ender, 1 Period, 1 Apostrophe, 1 Comma, 1 Blank and 1 &.

|                                 |        |     |     |       |
|---------------------------------|--------|-----|-----|-------|
| Size of Letters, inches .....   | 1/2    | 3/4 | 1   | 1 1/2 |
| Weight per set about, ozs. .... | 4      | 6   | 7   | 8     |
| Per set .....                   | \$0.65 | .70 | .80 | 1.00  |

One Set in a Box.

**Extra Single Stencil Letters.**

|                               |        |     |     |       |
|-------------------------------|--------|-----|-----|-------|
| Size of Letters, inches ..... | 1/2    | 3/4 | 1   | 1 1/2 |
| Per single dozen .....        | \$0.34 | .35 | .43 | .53   |

**Reese's Figures, 15 Pieces: COMPLETE IN BOXES;**

Consisting of 1 Figure each, Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 0; \$ Mark, 1 Cent Mark, 1 Period, 1 Beginner, 1 Ender.

|                                 |        |     |       |       |
|---------------------------------|--------|-----|-------|-------|
| Size of Figures, inches .....   | 1/2    | 3/4 | 1     | 1 1/2 |
| Weight per set about, ozs. .... | 2      | 3   | 3 1/2 | 4     |
| Per set .....                   | \$0.25 | .30 | .35   | .45   |

One Set in a Box.

**Extra Single Stencil Figures.**

|                               |        |     |     |       |
|-------------------------------|--------|-----|-----|-------|
| Size of Figures, inches ..... | 1/2    | 3/4 | 1   | 1 1/2 |
| Per single dozen .....        | \$0.34 | .38 | .43 | .53   |

Packed Loose.

The Reese's Letters and Figures are made with a Beaded Lock on the Edge, so that they can be Joined Together, thereby enabling you to form any Word, Name or Address, and after using they can be distributed and formed again for another address.

The Letters, when Joined, are Perfectly Level on the Under Side, and are Accurately Spaced, making a Perfect Print. The most practicable thing for Shippers, Manufacturers, Merchants, Real Estate Men, Millers, Distillers, Farmers, Planters—in fact, a great time saver to anyone having any marking or stencilling to do. Especially Adapted for Printing Signs, Show Cards and Prices, Marking Bags, Boxes, Barrels, Bales, Robes, Trunks, Packages, Etc.

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## \*DIXON'S CRUCIBLES.



## Dixon's Crucibles and Covers.

| Nos.                                     | 0      | 00    | 000   | 0000  | 1     | 2     | 3     | 4     |
|------------------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Height Outside, inches.....              | 2      | 2 1/2 | 2 1/2 | 3     | 3 1/2 | 4 1/2 | 5 1/4 | 5 5/8 |
| Diameter at Top, Outside, inches.....    | 1 1/2  | 1 7/8 | 1 7/8 | 2 1/8 | 2 3/8 | 3 1/4 | 4 1/4 | 4 5/8 |
| Diameter at Bilge, Outside, inches.....  | 1 5/8  | 1 7/8 | 2 1/8 | 2 1/2 | 3     | 3 5/8 | 4 1/8 | 4 1/2 |
| Diameter at Bottom, Outside, inches..... | 1 1/4  | 1 5/8 | 1 1/2 | 1 3/4 | 2 1/4 | 2 3/4 | 3     | 3 1/4 |
| Without Covers, each.....                | \$0.20 | .20   | .20   | .20   | .30   | .35   | .40   | .45   |
| Covers only, each.....                   | \$0.16 | .16   | .16   | .16   | .18   | .18   | .18   | .18   |

| Nos.                                     | 5      | 6     | 7     | 8     | 9     | 10    | 12    | 14    | 16    | 18    |
|------------------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Capacity, quarts.....                    | 2 1/4  | 1     | 1 1/8 | 1 1/4 | 1 3/8 | 1 1/2 | 2     | 2 1/2 | 2 1/2 | 3 1/2 |
| Height Outside, inches.....              | 6      | 6 1/2 | 6 3/4 | 7 1/4 | 7 1/8 | 8     | 8     | 8 1/2 | 8 3/4 | 9 3/4 |
| Diameter at Top, Outside, inches.....    | 4 1/8  | 5 1/4 | 5 1/2 | 5 3/4 | 6     | 6     | 6 1/4 | 6 3/4 | 7     | 7 3/8 |
| Diameter at Bilge, Outside, inches.....  | 4 3/4  | 5 1/8 | 5 1/2 | 5 3/4 | 6 1/4 | 6 1/2 | 6 3/4 | 7 1/4 | 7 1/2 | 8     |
| Diameter at Bottom, Outside, inches..... | 3 1/2  | 3 3/4 | 4     | 4 1/4 | 4 1/2 | 4 3/4 | 5     | 5 1/2 | 5 1/2 | 5 3/4 |
| Without Covers, each.....                | \$0.50 | .55   | .60   | .65   | .70   | .75   | 1.20  | 1.40  | 1.60  | 1.80  |
| Covers only, each.....                   | \$0.18 | .23   | .23   | .23   | .23   | .23   | .33   | .33   | .33   | .33   |

| Nos.                                     | 20     | 25     | 30    | 35     | 40     | 45     | 50     | 60     | 70     | 80     |
|------------------------------------------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| Capacity, gallons.....                   | 1      | 1 1/8  | 1 1/4 | 1 1/2  | 2      | 2 1/4  | 2 3/4  | 3      | 3 1/4  | 3 3/8  |
| Height Outside, inches.....              | 10 1/4 | 10 1/4 | 11    | 11 1/2 | 12 3/8 | 13     | 13 1/2 | 14     | 14 1/2 | 15 3/8 |
| Diameter at Top, Outside, inches.....    | 7 3/4  | 8      | 8 5/8 | 9 1/4  | 9 1/4  | 9 3/4  | 10 1/8 | 10 3/8 | 10 7/8 | 11 1/8 |
| Diameter at Bilge, Outside, inches.....  | 8 3/8  | 8 5/8  | 9 1/4 | 9 3/4  | 10 1/4 | 10 1/2 | 11 1/4 | 11 1/8 | 12     | 12 3/8 |
| Diameter at Bottom, Outside, inches..... | 6      | 6 1/4  | 6 1/2 | 7      | 7 1/4  | 7 3/8  | 7 7/8  | 8      | 8 1/4  | 8 5/8  |
| Without Covers, each.....                | \$2.00 | 2.25   | 2.70  | 3.15   | 3.60   | 4.05   | 4.50   | 5.40   | 6.30   | 7.20   |
| Covers only, each.....                   | \$0.33 | .37    | .38   | .44    | .50    | .57    | .63    | .75    | .88    | 1.00   |

| Nos.                                     | 90     | 100    | 125    | 150    | 175    | 200    | 225    | 250    | 275    | 300    |
|------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Capacity, gallons.....                   | 4      | 4 5/8  | 4 7/8  | 6 1/4  | 7 1/8  | 9 1/8  | 10 3/8 | 10 3/4 | 11 1/4 | 12 1/2 |
| Height Outside, inches.....              | 15 7/8 | 16     | 16 5/8 | 18 1/4 | 19 1/2 | 20 1/2 | 20 3/4 | 20 3/4 | 22 3/8 | 22     |
| Diameter at Top, Outside, inches.....    | 11 1/2 | 11 7/8 | 12 1/2 | 13 1/4 | 14 1/4 | 15     | 15 1/4 | 15 1/4 | 16     | 16 1/4 |
| Diameter at Bilge, Outside, inches.....  | 12 1/2 | 13 3/8 | 13 3/4 | 14 3/8 | 15 1/4 | 16 1/2 | 16 3/4 | 17     | 16 5/8 | 17 1/2 |
| Diameter at Bottom, Outside, inches..... | 9      | 9 3/8  | 9 1/2  | 10 3/8 | 10 3/4 | 11 1/4 | 12 1/2 | 11 3/4 | 12 1/2 | 12 1/2 |
| Without Covers, each.....                | \$8.10 | 9.00   | 11.25  | 13.50  | 16.75  | 18.00  | 20.25  | 22.50  | 24.75  | 27.00  |
| Covers only, each.....                   | \$1.13 | 1.25   | 1.57   | 1.88   | 2.19   | 2.50   | 2.82   | 3.13   | 3.44   | 3.75   |

Packed as Ordered.



## \*DIXON'S PURE FLAKE LUBRICATING GRAPHITE.

## NUMBERS AND SIZES OF PACKAGES.

|                                                          | Per Case  |
|----------------------------------------------------------|-----------|
| No. 632— 1 pound Paper Cans (36 in a Case).....          | \$14.40   |
| No. 633— 5 pound Tin Cans, Screw Top (10 in a Case)..... | 17.00     |
| No. 634— 10 pound Tin Cans, Screw Top (5 in a Case)..... | 16.00     |
|                                                          | Per Pound |
| No. 644— 25 pound Paper Bag enclosed in Case.....        | .35       |
| No. 645— 50 pound Paper Bag enclosed in Case.....        | .33       |
| No. 646— 100 pound Keg.....                              | .30       |
| No. 646— 200 pound Half Barrel.....                      | .30       |
| No. 647— 350 pound Barrel.....                           | .28       |

The above Packages are Regular Graphite; If Finely Pulverized Graphite (known as No. 2) is Wanted, Specify on Order.

TRADE MARK:  
E. C. SIMMONS' **KEEN KUTTER**.  
REGISTERED.



# Prizes Awarded **KEEN KUTTER** Cutlery



Fac-Simile Certificate of Grand Prize Awarded to Simmons Hardware Company  
for **KEEN KUTTER** Cutlery.

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## Prizes Awarded **KEEN KUTTER** Cutlery.



### GRAND PRIZE

Awarded to the Simmons Hardware Company for the Superior Excellence of Quality and Finish of their **KEEN KUTTER** Cutlery in competition with the World's Best Productions, by the International Jury of Awards, at the Louisiana Purchase Exposition, held at St. Louis, Mo., U. S. A. 1904.



### HIGHEST AWARD.

Given to the Walden Knife Company and Simmons Hardware Company for the Superior Excellence of Quality and Finish of their Walden and **KEEN KUTTER** Pocket Knives, in competition with the World's Best Productions at the Lewis and Clark Centennial Exposition, Portland, Oregon, U. S. A. 1905



## KEEN KUTTER POCKET KNIVES.

HOW THEY ARE MADE.



The above is a photograph of Mr. Holden, one of the workmen of the Walden Knife Company, who for over thirty years has been **Forging by Hand** the Blades for our **KEEN KUTTER** Pocket Knives.

Mr Holden is now 72 years of age, and has spent his entire life in the manufacture of Pocket Knives, having learned the trade directly from his father, and after learning the trade, has spent a number of years in the factories of Joseph Rodgers & Sons, and Geo. Wostenholm & Son, Sheffield, England.

He is a man of artistic temperament in many ways, thoroughly honorable in every respect, and absolutely loyal to his faith in the superiority of **KEEN KUTTER** Hand Forged Pocket Knives over all other brands. He fairly represents the type of English workmen by whom nearly every number of our entire line of **KEEN KUTTER** Pocket Knives is made.



WHERE **KEEN KUTTER** POCKET KNIVES ARE MADE—NEW YORK STATE.  
THE LARGEST FACTORY OF ITS KIND IN THE UNITED STATES.



Water Power  
from these Falls  
used to run our  
**KEEN KUTTER**  
Tool Factory.

Location of one  
of our  
**KEEN KUTTER**  
Tool Factories  
in  
New Hampshire.

WHERE **KEEN KUTTER** TOOLS ARE MADE.

The Mark



—AND—

The Motto

"The Recollection of QUALITY  
Remains long after the PRICE  
is forgotten."

E. C. Simmons

TRADE MARK REGISTERED

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**KEEN KUTTER POCKET KNIVES**

HOW THEY ARE MADE.

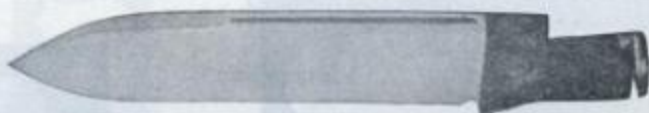
Pocket Blades.



No. 1—Pocket Blade, for No. K2420, Partially Forged; Showing Steel Bar from which it is being Fashioned.



No. 2—Pocket Blade Forged, Ready for Hardening and Tempering or Grinding.



No. 3—Pocket Blade Ground, Ready for Drilling and Filing, or Drilling and Squaring.



No. 4—Pocket Blade Ready for Assembling, Filed and Dressed, or Drilled, Squared and Dressed.

Pen Blades.



No. 1—Pen Blade for No. K2420, Partially Forged; Showing Steel Bar from which it is being Fashioned.



No. 2—Pen Blade Forged, Ready for Hardening and Tempering or Grinding.



No. 3—Pen Blade Ground, Ready for Drilling and Filing, or Drilling and Squaring.

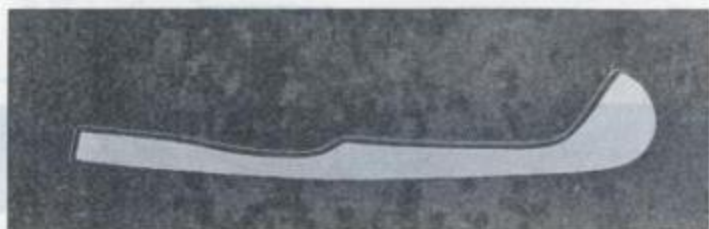


No. 4—Pen Blade Ready for Assembling, Drilled, Filed and Dressed, or Drilled, Squared and Dressed.

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# KEEN KUTTER POCKET KNIVES.

HOW THEY ARE MADE.



No. 5—Spring Steel, from which Spring is Produced.



No. 6—Spring, Dressed and Drilled, Ready for Adjusting.

No. 7—Spring Adjusted, Filed, Hardened, Tempered and Dressed.



No. 8—Sheet Brass, from which Linings are Pressed.



No. 9—German Silver, from which Bolsters are made.



No. 10—Blank for Bolster, Pressed Ready for Stamping.

No. 11—Bolster Stamped up, Ready to Fasten to Lining.



No. 12—Brass Strip, Pierced, Ready to Receive Bolster.



No. 13—Bolsters "Chopped on" Lining, Ready for Passing through Pattern Dies.



No. 14—Scale Pressed, Ready for Drilling.

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# KEEN KUTTER POCKET KNIVES.

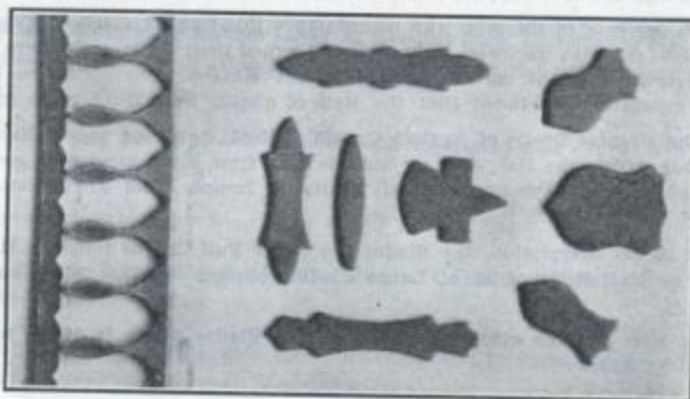
HOW THEY ARE MADE.



No. 15—Handle Covering Ready for Fitting.



No. 16—Covering Fitted, Ready for Name Plate.



No. 17—Name Plates, or Shields, and German Silver from which they are made.



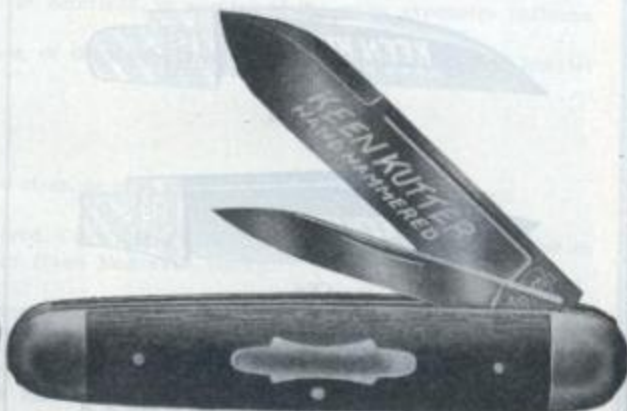
No. 18—Scales, with Covering Fitted, Showing Name Plate and Reverse Side, Ready for Assembling into Handle.



No. 19—Division Scale, or Center Lining.



No. 20—Knife Ready for Final Adjusting—Note Loose Rivets and General Rough Appearance of Knife.



No. 21—The Finished Article.



## INFORMATION

### REGARDING **KEEN KUTTER** POCKET KNIVES.

It is our aim to furnish, under the **KEEN KUTTER** Brand, the Highest Quality of Pocket Cutlery which can be produced. That we have accomplished this is shown by the Awards for the Highest Quality, granted to this line at the Louisiana Purchase Exposition, held in St. Louis, Mo., in 1904, and the Lewis & Clark Exposition, held in Portland, Ore., in 1905, illustrations of which are shown on pages 2634 and 2635. We believe this result cannot fail to follow from the method which we use in the manufacture of the goods.

It is our constant aim to see that everything about the line is of absolutely the Highest Quality, from the selection of the Raw Material to the Wrapping and Packing of the finished product.

**Workmanship**—Nearly 90 per cent of the men who manufacture this line were schooled in the art of making Fine Cutlery in the best English factories, where they learned their trade, and where their fathers and grandfathers spent their lives in the manufacture of Pocket Knives. The men are liberally paid for their work, and are constantly reminded that the item of quality is of much more importance than quantity.

**Blades** are made from the Highest Grade of English Crucible Steel imported especially for the purpose. They are Forged by hand from the Bar, and not stamped out from sheet steel (the method employed by many makers of Knives). They have an absolutely Uniform Temper, and are Whetted by Hand on an Oil Stone to a Sharp Cutting Edge, Ready for Use.

As specified in the description, the Blades are either Full Crocus Polished (i. e., each Blade Polished on Both Sides) or Half Polished (i. e., Large Blade Polished on One Side and other Blades Glazed Finish).

**Patterns of Blades**—The line contains every possible shape of Blades which is at all practical, as is shown by the following illustrations:



Razor.



Saber.



Wharncliffe.



Clip.



Spear.



Budding.



Spey.



Pruning.



Sheep Foot.



Razor.

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TRADE MARK:  
E. C. SIMMONS' **KEEN KUTTER**,  
REGISTERED.



## Information Regarding **KEEN KUTTER** Pocket Knives (Continued).

**Coverings**—As Illustrated in their Natural Colors

**German Silver**—Producing an appearance quite similar to Sterling Silver.

**Pearl**—Obtained through the London markets from the Dutch East Indies and Australian Fisheries, where the Highest Quality of Pearl is found.

**Genuine Ivory**—Obtained from the elephants of the West Coast of Africa, where the Ivory is found to be much Superior in Quality—especially in hardness—to that of the Eastern Coast, and of Asia.

**Cut Stag**—Made by Artificially Cutting the Second Layer of Genuine Stag, or sometimes Bone, and carefully coloring until it so closely resembles Genuine Stag, both in its irregular surface, and color, as to be difficult to distinguish from the real article.

**White Bone**—The shin bone of beef cattle, which, when carefully selected and cured, gives a covering capable of High Finish and Good Wearing Qualities.

**Aluminum**—Which is especially adapted for Engraving Fancy Decorations.

**Genuine Stag**—Outside cut of the horn, obtained from Hungary, Bohemia, Ceylon and China, which countries produce the Highest Quality of Stag.

**Tortoise Shell**—Obtained chiefly from the Hawk's Bill Tortoise, found in various parts of the world, especially in Asia and Australia.

**Buffalo Horn**—From the Buffaloes of Siam and India.

**Cocobolo**—A hard, red wood of very fine grain, which grows chiefly on the Isthmus of Panama.

**Genuine Ebony**—A hard, black wood of very fine grain, obtained chiefly from the East Coast of Africa and Madagascar.

**Celluloid**—A manufactured composition; produced either Transparent or in a great Variety of Colors. It may be made in Imitation of almost any of the other coverings which are used on the Knives, except German Silver.

**Linings**—The Linings are of German Silver, Brass or Steel, whichever is best adapted to the particular Knife on which it is used. The outside edges are Milled (or Knurled), in several of the more expensive patterns.

**Bolsters**—The Bolsters are, in the great majority of cases, of German Silver, or in a few cases, on the heavier Knives, of Steel.

**Rivets**—The Rivets are of German Silver and Steel.

**Shields** are made of German Silver, in various shapes and sizes, as best adapted to each individual pattern.

**Back Springs** are made of Forged Steel, Uniformly Tempered, Carefully Fitted and Full Polished, as specified in the descriptions; some of the patterns have Fancy Hand Engraved Backs.

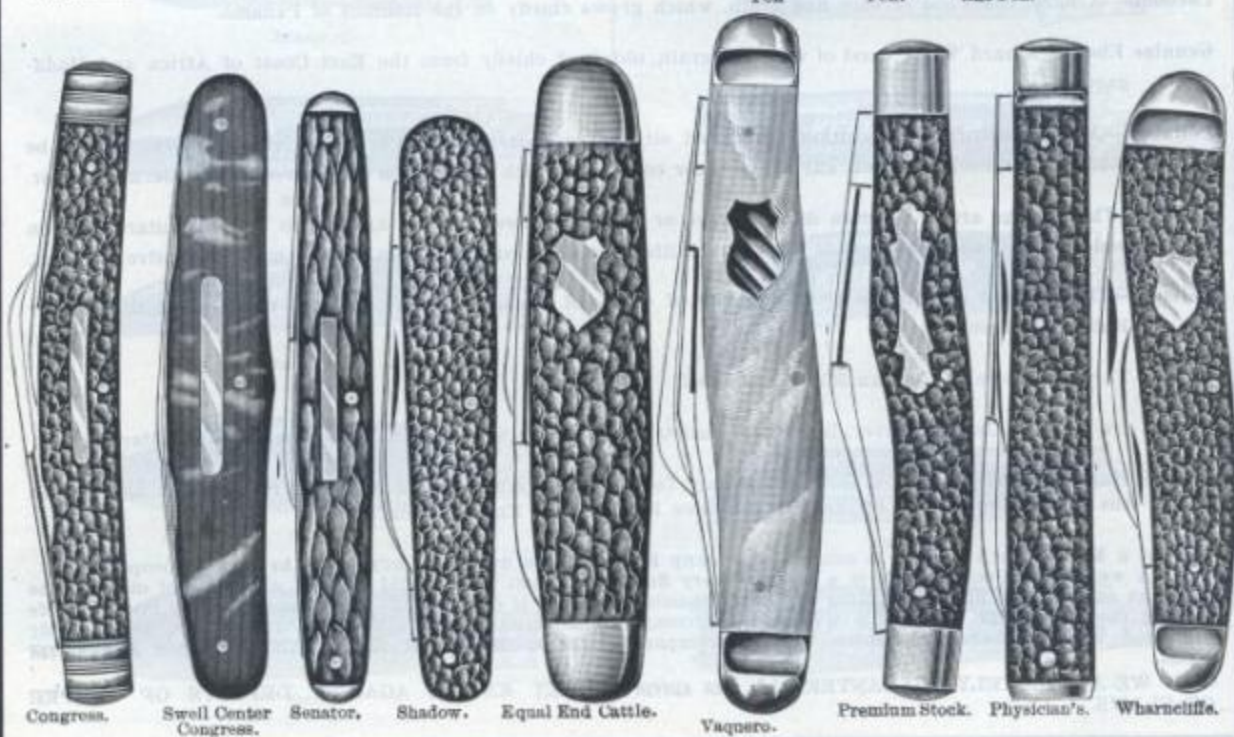
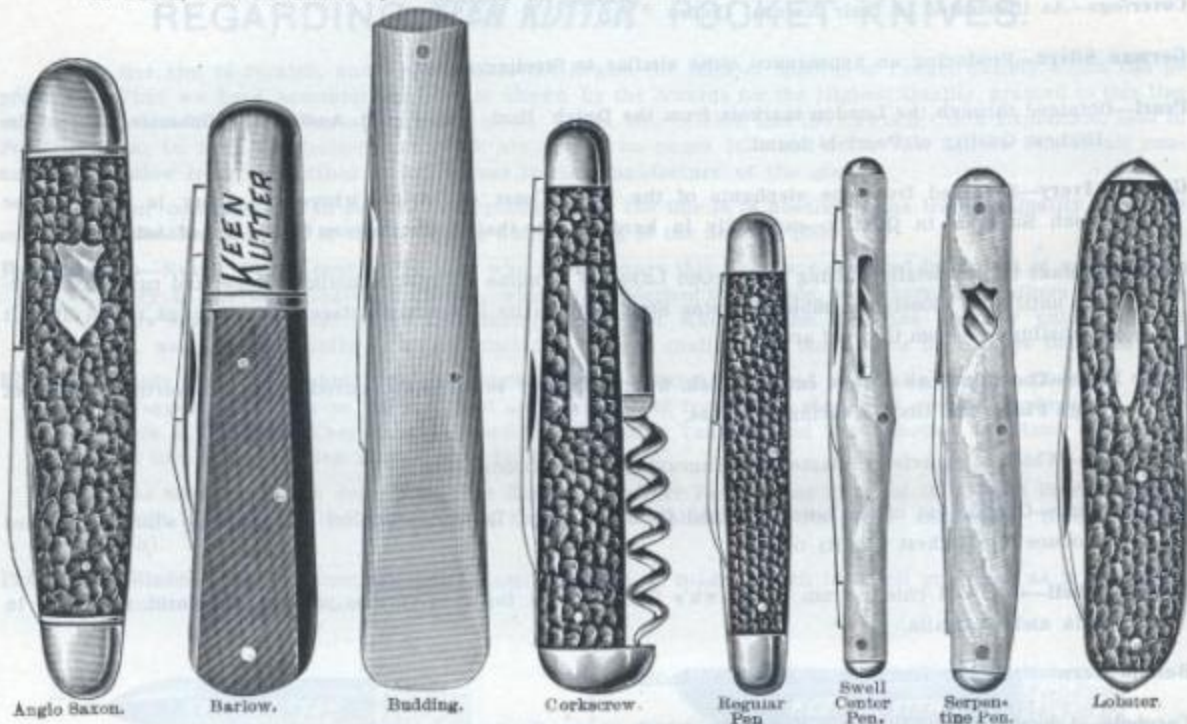
**Care of a Knife**—Much trouble is caused, and many Knives prove unsatisfactory from the lack of proper care.

A well made Pocket Knife is a piece of very fine mechanism, and should be kept cleaned and oiled at the joints as carefully as any other piece of fine mechanism. If this is done we are confident that every Pocket Knife bearing the **KEEN KUTTER** Brand will give the user complete and lasting satisfaction. If it does not, he is amply protected by the liberal guarantee which accompanies **KEEN KUTTER** Pocket Knives, and all other **KEEN KUTTER** goods.

**WE ABSOLUTELY GUARANTEE ALL KEEN KUTTER POCKET KNIVES AGAINST DEFECTS OF TEMPER OR FLAWS.**

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER.  
REGISTERED.

Information regarding **KEEN KUTTER** Pocket Knives (Continued).  
Patterns of Handles—A great variety of shapes and designs of Handles are used in this line, the principal ones of which, with the names by which they are most commonly known are given below:



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TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER,  
REGISTERED.



# Information regarding **KEEN KUTTER** Pocket Knives (Continued).

Patterns of Handles—A great variety of shapes and designs of Handles are used in this line, the principal ones of which, with the names by which they are most commonly known are given below:



Balloon



Easy Opener.



Crown Jack.



Equal End Jack



Fish Jack.



Gun Stock Jack.



Regular Jack.



Serpentine Jack.



Sway Back Jack.



Swell Center Jack.



Swell End Jack.



Pruning.

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER,  
REGISTERED.

## POCKET KNIVES

## KEEN KUTTER®.

Highest Grade English Crucible Steel  
Blades, Uniformly Tempered, Hand  
Hammered, SHARPENED AND  
WHETTED ON AN OIL  
STONE, BY HAND,  
READY FOR  
USE.



No. K343.

Full Polished Blades; German Silver Tips and  
Shield; Brass Lining; Milled Back. Per Dozen

- No. K343—3 1/4 INCH PEARL HANDLE; THREE  
BLADES, 1 Large Spear Point, 1 Pen  
and 1 File .....\$26.00
- No. K32566—3 1/4 INCH GENUINE STAG HAN-  
DLE; THREE BLADES, 1 Large  
Spear Point, 1 Pen and 1 File ..... 20.00
- No. K42566—3 1/4 INCH GENUINE STAG HAN-  
DLE; FOUR BLADES, 1 Large Spear  
Point, 2 Pen and 1 File ..... 21.00



No. K3113.

Full Polished Blades; German Silver Tips; Brass  
Lining; Milled Back.

- Per Dozen
- No. K3113—3 INCH PEARL HANDLE; THREE  
BLADES, 1 Large Spear Point, 1 Pen  
and 1 File .....\$25.50
- No. K4408—3 INCH PEARL HANDLE; FOUR  
BLADES, 1 Large Spear Point, 2 Pen  
and 1 File ..... 24.00



No. K429.

FOUR BLADES, 1 Large Sheep Foot Point, 2 Pen  
and 1 File, Full Polished. Per Dozen

- No. K429—3 5/16 INCH PEARL HANDLE; Ger-  
man Silver Bolsters and Shield; Brass  
Lining; Milled Back .....\$24.00
- No. K4979—3 1/2 INCH PEARL HANDLE; Steel  
Bolsters and Lining ..... 24.00
- No. K4679—3 1/4 INCH PEARL HANDLE; Brass  
Lining; WITHOUT BOLSTERS;  
MILLED BACK ..... 27.00



Per Dozen

- No. K4849—3 INCH PEARL HANDLE; FOUR  
BLADES, 1 Large Spear Point, 2 Pen  
and 1 File, Full Polished; German Silver Tips  
and Shield; Brass Lining .....\$24.00



Per Dozen

- No. K3483—3 1/4 INCH PEARL HANDLE; THREE  
BLADES, 1 Large Spear Point and 2  
Pen, Half Polished; German Silver Tips and  
Shield; Brass Lining; Milled Back .....\$24.00



No. K4299.

FOUR BLADES, 2 Large Sheep Foot Point, 1 Pen  
and 1 File, Half Polished. Per Dozen

- No. K4299—3 INCH PEARL HANDLE; Steel  
Bolsters; Brass Lining .....\$21.00
- No. K4297—3 INCH STAG HANDLE; Steel  
Bolsters; Brass Lining ..... 13.00
- No. K3769—3 5/16 INCH PEARL HANDLE;  
THREE BLADES, 1 Large Spear Point,  
1 Pen and 1 File, Full Polished; Steel  
Bolsters; Brass Lining ..... 24.00



Per Dozen

- No. K3808—2 1/2 INCH PEARL HANDLE; THREE  
BLADES, 1 Large Spear Point, 1 Pen  
and 1 File; Full Polished; German Silver  
Shield and Lining .....\$24.00

One-half Dozen in a Cardboard Box; Weight per Dozen about 1 1/2 lbs.

TRADE MARK:  
H. C. SIMMONS' KEEN KUTTER,  
REGISTERED.

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## POCKET KNIVES.

## KEEN KUTTER®.

Highest Grade English Crucible Steel Blades, Uniformly Tempered, Hand Hammered, SHARPENED AND WHETTED ON AN OIL STONE, BY HAND, READY FOR USE.



No. K488.

Full Polished Blades; German Silver Tips; Brass Lining; Milled Back.

No. K488—2 3/4 INCH PEARL HANDLE; FOUR BLADES, 1 Large Spear Point, 2 Pen and 1 File ..... \$24.00

No. K0488—2 3/4 INCH PEARL HANDLE; TWO BLADES, 1 Large Spear Point and 1 Pen ..... 15.00

No. K3908—2 3/4 INCH PEARL HANDLE; THREE BLADES, 1 Large Spear Point, 1 Pen and 1 File; GERMAN SILVER SHIELD..... 24.00



No. K3489.

THREE BLADES, 1 Large Spear Point, 1 Pen and 1 File, Full Polished.

No. K3489—3 1/2 INCH PEARL HANDLE; Hand Engraved Aluminum Bolster; German Silver Lining; Milled Back ..... \$24.00

No. K3486—3 1/2 INCH STAG HANDLE; German Silver Bolsters and Shield; Brass Lining ..... 16.00

No. K3488—3 1/2 INCH PEARL HANDLE; German Silver Bolsters and Shield; Brass Lining ..... 21.00



Per Dozen

No. K4328—3 INCH STAG HANDLE; FOUR BLADES, 1 Large Sheep Foot Point, 2 Pen and 1 File, Full Polished; Polished Steel Bolsters; GERMAN SILVER SHIELD ON EACH SIDE; Brass Lining ..... \$24.00



No. K02339.

Half Polished Blades; German Silver Tips, Shield and Lining.

No. K02339—3 INCH PEARL HANDLE; TWO BLADES, 1 Large Spear Point and 1 Pen ..... \$21.00

No. K02337—3 INCH STAG HANDLE; TWO BLADES, 1 Large Spear Point and 1 Pen ..... 15.00

No. K32339—3 INCH PEARL HANDLE; THREE BLADES, 1 Large Spear Point, 1 Pen and 1 File ..... 24.00

No. K32337—3 INCH STAG HANDLE; THREE BLADES, 1 Large Spear Point, 1 Pen and 1 File ..... 16.00



No. K0382.

Full Polished Blades; German Silver Tips and Shield; Brass Lining.

No. K0382—3 1/2 INCH PEARL HANDLE; TWO BLADES, 1 Large Spear Point and 1 Pen ..... \$21.00

No. K0383—3 1/2 INCH GENUINE STAG HANDLE; TWO BLADES, 1 Large Spear Point and 1 Pen ..... 15.00

No. K38333—3 1/2 INCH GENUINE STAG HANDLE; THREE BLADES, 1 Large Spear Point, 1 Pen and 1 File ..... 24.00

No. K48333—3 1/2 INCH GENUINE STAG HANDLE; FOUR BLADES, 1 Large Spear Point, 2 Pen and 1 File ..... 24.00



Per Dozen

No. K3389—2 3/4 INCH PEARL HANDLE; THREE BLADES, 1 Large Spear Point and 2 Pen, Full Polished; Hand Engraved Aluminum Bolsters; German Silver Lining ..... \$21.00

One-half Dozen in a Cardboard Box; Weight per Dozen about 1 1/2 lbs.

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER.  
REGISTERED.

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## POCKET KNIVES.

KEEN KUTTER®.

Highest Grade English Crucible Steel Blades, Uniformly Tempered, Hand Hammered, SHARPENED AND WHETTED ON AN OIL STONE, BY HAND, READY FOR USE.



No. K4429.

FOUR BLADES, 1 Large Clip, 1 Large Sheep Foot, 1 Large Spey Point and 1 Pen, Full Polished; German Silver Shield and Lining.

|                                                                             | Per Dozen |
|-----------------------------------------------------------------------------|-----------|
| No. K4429—4 INCH PEARL HANDLE; German Silver Bolsters .....                 | \$32.00   |
| No. K4429E—4 INCH PEARL HANDLE; Engraved Back; German Silver Bolsters ..... | 36.00     |
| No. K4428S—4 INCH GENUINE STAG HANDLE; German Silver Bolsters .....         | 24.00     |
| No. K4428—4 INCH STAG HANDLE; German Silver Bolsters .....                  | 21.00     |
| No. K4426—4 INCH BUFFALO HORN HANDLE; German Silver Bolsters .....          | 24.00     |
| No. K4829—4 INCH PEARL HANDLE; Hand Engraved Aluminum Bolsters .....        | 37.00     |



Per Dozen

No. K3008—3 3/4 INCH STAG HANDLE; THREE BLADES, 1 Large Clip, 1 Large Sheep Foot Point and 1 Pen, Half Polished; German Silver Bolsters and Shield; Brass Lining; Lock Back .....

\$27.00



Per Dozen

No. K44833—3 3/4 INCH GENUINE STAG HANDLE; FOUR BLADES, 1 Large Clip, 1 Large Sheep Foot, 1 Large Spey Point, and 1 Pen, Full Polished; German Silver Bolsters and Shield; Brass Lining; Milled Back .....

\$24.00

One-half Dozen in a Cardboard Box; Weight per Dozen about 2 1/2 lbs.



No. K3219.

THREE BLADES, 1 Large Spear, 1 Large Sheep Foot Point, and 1 Pen, Half Polished; German Silver Bolsters and Shield; Brass Lining.

Per Dozen

|                                                 |         |
|-------------------------------------------------|---------|
| No. K3219—3 3/4 INCH PEARL HANDLE .....         | \$24.00 |
| No. K3216—3 3/4 INCH EBONY HANDLE .....         | 15.00   |
| No. K3218S—3 3/4 INCH GENUINE STAG HANDLE ..... | 16.00   |



Per Dozen

No. K3215A—3 3/4 INCH HAND ENGRAVED ALUMINUM HANDLE; THREE BLADES, 1 Large Spear, 1 Large Sheep Foot Point and 1 Pen, Half Polished .....

\$18.00



Per Dozen

No. K37288—3 3/4 INCH GENUINE STAG HANDLE; THREE BLADES, 1 Large Sheep Foot, 1 Large Clip Point, and 1 Pen, Half Polished; German Silver Bolsters and Shield; Brass Lining .....

\$17.00

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER.  
REGISTERED.

## POCKET KNIVES.

KEEN KUTTER®.

Highest Grade English Crucible Steel  
Blades, Uniformly Tempered, Hand  
Hammered, SHARPENED AND  
WHETTED ON AN OIL  
STONE, BY HAND,  
READY FOR  
USE.



No. K3433.

THREE LARGE BLADES, 1 Clip, 1 Sheep Foot and  
1 Spey Point, Half Polished; German Silver Shield.

German Silver Bolsters and Lining. Per Dozen:

No. K3433 — 4 INCH STAG HANDLE.....\$17.00

No. K3433 — 4 INCH GENUINE STAG HANDLE. 19.00

No. K3434 — 4 INCH PEARL HANDLE ..... 30.00

Polished Steel Bolsters; Brass Lining.

Per Dozen

No. K3232 — 4 INCH GENUINE STAG HANDLE \$18.00

German Silver Bolsters; Brass Lining.

Per Dozen

No. K3828 — 4 INCH STAG HANDLE .....\$16.00

No. K3825 — 4 INCH BUFFALO HORN HANDLE 16.00

No. K3829 — 4 INCH PEARL HANDLE ..... 33.00

No. K3903 — 4 1/2 INCH STAG HANDLE ..... 18.00

No. K8433 — 4 INCH STAG HANDLE; THREE  
LARGE BLADES, 1 Clip, 1 Wharn-  
cliffe, 1 Spey Point, Half Polished; German  
Silver Bolsters, Shield and Lining..... 17.00



No. K3278.

THREE LARGE BLADES, 1 Spear, 1 Clip and 1  
Spey Point, Half Polished; German Silver Shield.

German Silver Bolsters; Brass Lining.

Per Dozen

No. K3278 — 3 1/2 INCH STAG HANDLE .....\$16.00

No. K3278 — 3 1/2 INCH GENUINE STAG HANDLE 18.00

No. K3276 — 3 1/2 INCH BUFFALO HORN HAN-  
DLE ..... 16.00

No. K3277 — 3 1/2 INCH WHITE BONE HANDLE. 16.00

Polished Steel Bolsters; Steel Lining.

Per Dozen

No. K3375 — 3 1/2 INCH GRANADILLA HANDLE..\$13.00

No. K3378 — 3 1/2 INCH STAG HANDLE ..... 13.00



No. K72085.



Showing Possi-  
bilities of Leather  
Punch Blade.

TWO BLADES, 1 Spear Point; 1 PATENT LEATHER PUNCH, Half Polished; German Silver Bolster and  
Shield, Brass Lining.

No. K72085 — 3 1/2 inch ROSEWOOD HANDLE ..... Per Dozen \$9.00

No. K72086 — 3 1/2 inch EBONY HANDLE ..... \* 9.00

No. K72088 — 3 1/2 inch STAG HANDLE ..... 9.00



Per Dozen

No. K73834 — 3 1/2 INCH STAG HANDLE; THREE  
BLADES, 1 Large Clip, 1 Large Spey  
Point and 1 PATENT LEATHER PUNCH.  
Half Polished; German Silver Bolster and  
Shield, Brass Lining.....\$17.00



Per Dozen

No. K73878 — 3 1/2 INCH STAG HANDLE; THREE  
BLADES, 1 Large Spear, 1 Large Sheep  
Foot Point and 1 PATENT LEATHER PUNCH.  
Half Polished; German Silver Bolster and  
Shield, Brass Lining.....\$16.00

One-half Dozen in a Cardboard Box; Weight per Dozen about 2 1/2 lbs.

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER  
REGISTERED.

## POCKET KNIVES.

KEEN KUTTER®.

Highest Grade English Crucible Steel Blades, Uniformly Tempered, Hand Hammered, SHARPENED AND WHETTED ON AN OIL STONE, BY HAND, READY FOR USE.



No. K1201.

TWO BLADES, 1 Large Spear Point and 1 Pen; German Silver Bolster, Cap and Shield; Brass Lining.

No. K1201—3½ INCH STAG HANDLE; Half Polished Blades ..... \$12.00

No. K1200—3½ INCH EBONY HANDLE; Half Polished Blades ..... 12.00

No. K22033—3½ INCH GENUINE STAG HANDLE; Half Polished Blades ..... 13.00

No. K1203—3½ INCH PEARL HANDLE; Full Polished Blades ..... 24.00



No. K2621.

TWO BLADES, 1 Large Spear Point and 1 Pen, Half Polished; Steel Bolster and Cap; German Silver Shield; Brass Lining.

No. K2621—3½ INCH EBONY HANDLE ..... \$ 9.00

No. K2623—3½ INCH STAG HANDLE ..... 9.00

No. K26233—3½ INCH GENUINE STAG HANDLE 11.00

TWO BLADES, 1 Large Clip Point and 1 Pen, Half Polished; Steel Bolster and Cap; German Silver Shield; Brass Lining.

No. K26233—3½ INCH STAG HANDLE ..... \$9.00

TWO BLADES, 1 Large Spear Point and 1 Pen, Half Polished; German Silver Shield.

No. K25233—3½ INCH GENUINE STAG HANDLE; Steel Bolster, Cap and Lining..\$10.00

No. K21988—4 INCH GENUINE STAG HANDLE; Polished Steel Bolster and Cap; Steel Lining ..... 12.00

One-half Dozen in a Cardboard Box; Weight per Dozen about 2 lbs.



No. K2613.

TWO BLADES, 1 Large Spear Point and 1 Pen, Half Polished; German Silver Bolster, Cap and Shield; Brass Lining.

No. K2613—3½ INCH STAG HANDLE ..... \$12.00

No. K2611—3½ INCH EBONY HANDLE ..... 12.00



No. K204834.

No. K204834—3½ INCH STAG HANDLE; TWO BLADES, 1 Large Clip Point and 1 Pen, Half Polished; German Silver Bolster, Cap and Shield; Brass Lining ..... \$12.00

No. K22733—3½ INCH STAG HANDLE, WITHOUT CAP; Otherwise same as No. K204834 ..... 11.00



No. K2063.

TWO BLADES, 1 Large Spear Point and 1 Pen, Half Polished; German Silver Bolster and Shield; Brass Lining.

No. K2063—3½ INCH STAG HANDLE ..... \$11.00

No. K20633—3½ INCH GENUINE STAG HANDLE 12.00

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER.  
REGISTERED.

-2679-

## POCKET KNIVES.

KEEN KUTTER®.

Highest Grade English Crucible Steel Blades, Uniformly Tempered, Hand Hammered, SHARPENED AND WHETTED ON AN OIL STONE, BY HAND, READY FOR USE.



No. K2850.

Half Polished Blades; German Silver Bolster and Shield; Brass Lining.

Two Blades, 1 Large Spear Point and 1 Pen.

No. K2850 — 3% INCH GRANADILLA HANDLE... \$ 8.00

No. K2851 — 3% INCH EBONY HANDLE..... \$ 8.00

No. K2853 — 3% INCH STAG HANDLE ..... \$ 9.00

No. K28533 — 3% INCH GENUINE STAG HANDLE 11.00

Two Blades, 1 Large Clip Point and 1 Pen.

No. K28513 — 3% INCH EBONY HANDLE ..... \$ 8.00

No. K28533 — 3% INCH STAG HANDLE ..... \$ 9.00

No. K2695 — 3% INCH ROSEWOOD HANDLE;  
TWO BLADES, 1 Large Spear Point  
and 1 Pen; Steel Bolster; Otherwise same as  
No. K2850 ..... \$ 8.00



No. K98.  
EASY OPENER.

TWO BLADES, 1 Large Spear Point and 1 Pen, Half Polished; German Silver Bolster, Cap and Shield; Brass Lining.

No. K98 — 3% INCH STAG HANDLE ..... \$ 8.00

No. K95 — 3% INCH COCOBOLO HANDLE .... \$ 8.00

No. K93 — 3% INCH STAG HANDLE, Without  
Cap ..... \$ 7.50

No. K90 — 3% INCH COCOBOLO HANDLE;  
Without Cap ..... \$ 7.00

No. K2719 — 3% INCH GERMAN SILVER HANDLE; Without Cap ..... \$ 8.00



No. K50.

TWO BLADES, 1 Large Spear Point and 1 Pen, Glazed Finish; German Silver Shield; Polished Steel Bolster and Cap; Brass Lining.

No. K50 — 3% INCH ROSEWOOD HANDLE ..... \$ 7.00  
No. K51 — 3% INCH EBONY HANDLE ..... \$ 7.00

TWO BLADES, 1 Large and 1 Pen, Half Polished; German Silver Shield; Polished Steel Bolster, Cap and Lining.

No. K2778 — 3% INCH STAG HANDLE; Spear  
Point Large Blade ..... \$ 8.00  
No. K27783 — 3% INCH STAG HANDLE; Clip  
Point Large Blade ..... \$ 8.00

TWO BLADES, 1 Large and 1 Pen, Half Polished; German Silver Shield, Bolster and Cap; Brass Lining.

Spear Point Large Blade.

No. K2780 — 3% INCH GRANADILLA HANDLE... \$ 8.00  
No. K2781 — 3% INCH EBONY HANDLE ..... \$ 8.00  
No. K2783 — 3% INCH STAG HANDLE ..... \$ 9.00  
No. K20333 — 3% INCH GENUINE STAG HANDLE 10.00  
No. K2030/SC — 3% INCH SILVER CELLULOID  
HANDLE ..... 10.00

Clip Point Large Blade.

No. K27803 — 3% INCH GRANADILLA HANDLE \$ 8.00  
No. K27813 — 3% INCH EBONY HANDLE ..... \$ 8.00  
No. K27833 — 3% INCH STAG HANDLE ..... \$ 9.00



No. K26755.

TWO BLADES, 1 Large Spear Point and 1 Pen, Half Polished; German Silver Bolster, Shield and Lining.

No. K26755 — 3% INCH COCOBOLO HANDLE .... \$ 8.00  
No. K26756 — 3% INCH EBONY HANDLE ..... \$ 8.00  
No. K23758 — 3% INCH STAG HANDLE, Polished  
Steel Bolster and Steel Lining; Otherwise same as No. K26755..... \$ 8.00

One-half Dozen in a Cardboard Box; Weight per Dozen about 1 1/4 lbs.

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER,  
REGISTERED.

## POCKET KNIVES.

### KEEN KUTTER®

Highest Grade English Crucible Steel Blades, Uniformly Tempered, Hand Hammered, -SHARPENED AND WHETTED ON AN OIL STONE, BY HAND, READY FOR USE.



No. K601.

### BARLOW PATTERN.

ONE LARGE BLADE, Glazed Finished; Polished Steel Bolster; Steel Lining.

|                                                           | Per Dozen |
|-----------------------------------------------------------|-----------|
| No. K601—5 INCH BROWN BONE HANDLE; Clip Point Blade.....  | \$6.00    |
| No. K600—5 INCH BROWN BONE HANDLE; Spear Point Blade..... | 6.00      |



No. K2305.

TWO BLADES, 1 Large and 1 Pen, Glazed Finish; Polished Steel Bolster; German Silver Shield; Steel Lining.

|                                                                  | Per Dozen |
|------------------------------------------------------------------|-----------|
| No. K2305 —3% INCH COCOBOLO HANDLE; Spear Point Large Blade..... | \$4.00    |
| No. K2305½ —3% INCH COCOBOLO HANDLE; Clip Point Large Blade..... | 4.00      |
| No. K2306 —3% INCH EBONY HANDLE; Spear Point Large Blade.....    | 4.00      |
| No. K2306½ —3% INCH EBONY HANDLE; Clip Point Large Blade.....    | 4.00      |

TWO BLADES, 1 Large and 1 Pen, Glazed Finish; Polished Steel Bolster; Steel Lining.

|                                                                                      | Per Dozen |
|--------------------------------------------------------------------------------------|-----------|
| No. K2105 —3% INCH COCOBOLO HANDLE; Spear Point Large Blade.....                     | \$4.00    |
| No. K2105½ —3% INCH COCOBOLO HANDLE; Clip Point Large Blade.....                     | 4.00      |
| No. K2106 —3% INCH EBONY HANDLE; Spear Point Large Blade.....                        | 4.00      |
| No. K2160R —3% INCH COCOBOLO HANDLE; with Long Bolster; Spear Point Large Blade..... | 4.00      |

One-half Dozen in a Cardboard Box; Weight per Dozen about 2 lbs.



No. K510.

### BARLOW PATTERN.

TWO BLADES, 1 Large and 1 Pen, Glazed Finish; Polished Steel Bolster; Steel Lining.

|                                                                  | Per Dozen |
|------------------------------------------------------------------|-----------|
| No. K510—3% INCH BROWN BONE HANDLE; Spear Point Large Blade..... | \$4.50    |
| No. K511—3% INCH BROWN BONE HANDLE; Clip Point Large Blade.....  | 4.50      |
| No. K512—3% INCH BROWN BONE HANDLE; Spear Point Large Blade..... | 5.00      |
| No. K513—3% INCH BROWN BONE HANDLE; Razor Point Large Blade..... | 4.50      |
| No. K514—3% INCH WHITE BONE HANDLE; Spear Point Large Blade..... | 6.00      |

ONE LARGE BLADE, Glazed Finish; Polished Steel Bolster; Steel Lining.

|                                                              | Per Dozen |
|--------------------------------------------------------------|-----------|
| No. K500 —3% INCH BROWN BONE HANDLE; Spear Point Blade.....  | \$3.00    |
| No. K1883 —3% INCH BROWN BONE HANDLE; Razor Point Blade..... | 3.00      |



No. K2583.

TWO BLADES, 1 Large and 1 Pen, Glazed Finish; Polished Steel Bolster; German Silver Shield; Steel Lining.

|                                                                        | Per Dozen |
|------------------------------------------------------------------------|-----------|
| No. K2583 —3% INCH STAG HANDLE; Spear Point Large Blade.....           | \$4.00    |
| No. K2583½ —3% INCH STAG HANDLE; Sheep Foot Point Large Blade.....     | 4.00      |
| No. K2580 —3% INCH COCOBOLO HANDLE; Spear Point Large Blade.....       | 4.00      |
| No. K2580½ —3% INCH COCOBOLO HANDLE; Sheep Foot Point Large Blade..... | 4.00      |

-2726-

## PRESS BUTTON POCKET KNIVES.



First Quality English Crucible Steel Blades, Hand Hammered, Highly Tempered, SHARPENED READY FOR USE.



No. 1005WG—5 INCH STAG HANDLE; One Large Clip Point Blade, Full Polished; German Silver Bolster and Folding Guard; Steel Lining..... \$17.00



No. 115PB.

No. 115PB—3% INCH STAG HANDLE; Two Large Blades, 1 Clip Point and 1 Spey Point, Half Polished; Brass Lining..... \$15.00

No. 116PB—3% INCH STAG HANDLE; Two Blades, 1 Large Spear Point and 1 Pen, Half Polished; Brass Lining..... 15.00



Showing Possibilities of Leather Punch Blade.

No. 117PB—3% INCH STAG HANDLE; Two Blades, 1 Large Clip Point and 1 PATENT LEATHER PUNCH BLADE, Half Polished; Brass Lining..... \$15.00



No. 100PB.

ONE LARGE BLADE, Full Polished; German Silver Bolster; Steel Lining. Per Dozen

No. 1000PB—5 INCH STAG HANDLE; Clip Point Blade..... \$14.00

No. 1100PB—5 INCH STAG HANDLE; Spear Point Blade..... 14.00

No. 1007PB—5 INCH EBONY HANDLE; Clip Point Blade..... 14.00

No. 1200PB—5 INCH STAG HANDLE; Clip Point Saber Pattern Blade..... 15.00



No. 500PB.

ONE LARGE BLADE, Full Polished; German Silver Bolster; Steel Lining. Per Dozen

No. 500PB—4 INCH STAG HANDLE; Spear Point Blade..... \$12.00

No. 501PB—4 INCH STAG HANDLE; Clip Point Blade..... 12.00

No. 507PB—4 INCH EBONY HANDLE; Spear Point Blade..... 12.00

No. 517PB—4 INCH EBONY HANDLE; Clip Point Blade..... 12.00



No. 105PB.

TWO BLADES, 1 Large Spear Point and 1 Pen, Full Polished; Brass Lining. Per Dozen

No. 105PB—3% INCH PEARL HANDLE..... \$30.00

No. 100PB—3% INCH STAG HANDLE..... 12.00

No. 102PB—3% INCH IMITATION SHELL HANDLE..... 15.00

No. 103PB—3% INCH WHITE CELLULOID HANDLE..... 15.00

No. 107PB—3% INCH BLACK CELLULOID HANDLE..... 15.00

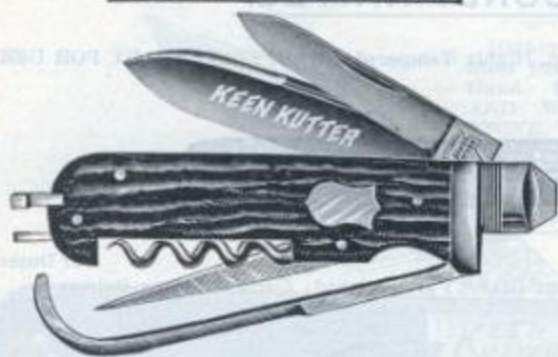
One-half Dozen in a Cardboard Box; Weight per Dozen about 2 lbs.

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER.  
REGISTERED.

-2728-



## POCKET KNIVES.



**KEEN KUTTER®.**

Combination Knife; Highest Grade English Crucible Steel Blades, Uniformly Tempered, Hand Hammered, Full Polished, SHARPENED READY FOR USE; TWO BLADES, 1 Large Spear Point and 1 Pen; One Each, Polished Steel Combination Hoof Cleaner and Nut Cracker, Cork Screw, Screw Driver, Tweezers, Pipe Cleaner, Gouge and Tempered Steel Fleam.

No. K830—KEEN KUTTER®; 4 INCH GENUINE STAG HANDLE; Polished Steel Bolster; German Silver Shield; Steel Lining ..... \$24.00

Per Dozen



Combination Knife; First Quality English Crucible Steel Blade, Highly Tempered, Half Polished; 1 Large Spear Point Blade, and 1 Each Polished Steel Gouge, Hoof Cleaner, Screw Driver and Combination Pliers and Wire Cutter.

No. 3H—STAG HANDLE; Length Over All  $4\frac{1}{2}$  inches; German Silver Bolsters; Brass Lining ..... \$21.00

Per Dozen

One-half Dozen in a Cardboard Box; Weight per Dozen about  $1\frac{1}{2}$  lbs.

## VETERINARY FLEAMS.



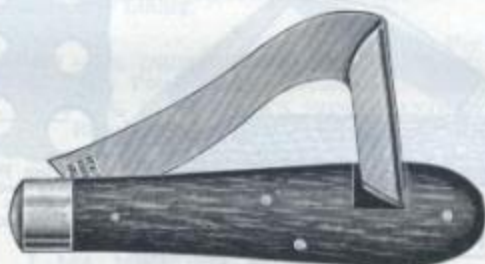
No. 829.

First Quality English Crucible Steel Blades, Highly Tempered, Glazed Finish.

No. 829—3 INCH BRASS HANDLE, with THREE BLADES ..... \$7.00  
No. 828—3 INCH BRASS HANDLE, with TWO BLADES ..... 6.00

Per Dozen

## RASE KNIVES.



LUMBERMAN'S.

No. 135R—3 INCH COCOBOLO HANDLE; First Quality Crucible Steel Blade, Highly Tempered, Glazed Finish; Polished Steel Bolster; Steel Lining ..... \$12.00

Per Dozen

## BUDDING KNIVES.



No. 3—3 INCH COCOBOLO HANDLE,  $2\frac{1}{2}$  inch Extra Grade Crucible Steel Blade, Glazed Finish, with Tang extending half way into the Handle, secured by Two Brass Pins ..... \$4.00

Per Dozen

One Dozen in a Cardboard Box; Weight per Dozen about  $1\frac{1}{2}$  lbs.

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER,  
REGISTERED.

-2758 B-

## SAFETY RAZORS.

KEEN KUTTER\*



Showing Separate Parts of Razor.  
(Cut Actual Size.)



Showing method of packing Blades.  
(Cut Actual Size.)



Showing Razor ready for Use.  
(Cut Actual Size.)



Showing Razor and Blades in Case.  
(Cut 2/3 Actual Size.)

- No. K1—KEEN KUTTER\*: TRIPLE SILVER PLATED FRAME AND HANDLE, 4 inches Long, with Knurled Center; Twelve Blades, made of Highest Grade Norwegian Cutlery Steel, Highly Tempered, Carefully Ground, Stropped by Hand, and Tested (Six Blades in Oil Paper Booklets, in Sealed Envelopes); EACH BLADE WILL GIVE FROM SIX TO TWENTY SHAVES; Black Morocco Leather Case, Bottom Silk Plush Covered, Size 4 1/4 x 2 x 1 1/2 inches; Weight each about 4 1/2 ozs. .... \$60.00
- No. K3—KEEN KUTTER\*: GOLD PLATED FRAME AND HANDLE, with Triple Silver Plated Knurled Center; Genuine Pigskin Case, with Skiver Leather Lining, and Two Removable Cases for Holding Blades, Marked USED and UNUSED in Gold Letters; Otherwise same as No. K1 ..... 90.00  
Six Sets in a Cardboard Box.
- No. K1B—Extra Blades Only for KEEN KUTTER Safety Razor; Packed Five in Oil Paper Booklets, in Sealed Envelopes ..... \$0.75

20 Packages (100 Blades) in a Cardboard Box.

-2758C-

TRADE MARK:  
B. C. SIMMONS' KEEN KUTTER,  
REGISTERED.

## SAFETY RAZORS.

KEEN KUTTER® TRAVELING SETS.

Gold and Silver  
Plated.

Highest Grade  
Norwegian Steel  
Blades, Stropped  
and Tested by  
hand. Genuine  
Badger Hair  
Brush and Best  
Soap.



No Stropping.  
No Honing.

- |                                                                                                                                                                                                     |                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| No. K4—KEEN KUTTER® Traveling Set; Genuine Pigskin Case, with Smooth Leather Lining Throughout; Rich Tan Color; Size of Case 5x4½x1½ inches.....                                                    | Per Set<br>\$18.00 |
| No. K2—KEEN KUTTER® Traveling Set; Magellan Lizard (Black Pebbled) Morocco Case; Black Smooth Leather Lining Throughout; Fittings same as No. K4, except TRIPLE SILVER PLATED INSTEAD OF GOLD ..... | 10.00              |

### CONTENTS OF No. K4 SET.

- 1 KEEN KUTTER® Safety Razor; GOLD PLATED FRAME AND HANDLE, 4 inches Long, with Knurled Center.
- 12 KEEN KUTTER® Blades, made of Highest Grade Norwegian Cutlery Steel, Highly Tempered, Carefully Ground, Stropped by Hand and Tested (SIX Blades in an Oiled Paper Booklet, Each Booklet in Sealed Envelope.) EACH BLADE WILL GIVE FROM SIX TO TWENTY SHAVES.
- 2 Smooth Leather Covered Removable Cases for Holding Blades, marked "Used" and "Unused" in Gold Letters.
- 1 GOLD PLATED Case, with Removable Bottom, Length 3¼ inches; Diameter 1¼ inches; Contains Large Size Stick of Williams' Shaving Soap.
- 1 GOLD PLATED Case, with Removable Bottom; Length 3¼ inches; Diameter 1¼ inches; Contains a First Quality Genuine Badger's Hair Shaving Brush, with White Bone Tipped Horn Handle.

One Set in a Cardboard Box; Weight per Set about 1 lb.

TRADE MARK:  
"ENDERS' DOLLAR,"  
REGISTERED.

-2759-

## SAFETY RAZORS.

ENDERS' DOLLAR®.



Showing Separate Parts of Razor.



Showing Razor Ready for Use.



Showing Method of Sealing Blades.



Showing Method of Packing Blades.



Showing Razor and Blades in Case.

**ENDERS' DOLLAR®:** Solid Nickel Silver Frame; Steel Handle, Heavily Nickel Plated, Length 4 inches, with Knurled Center and Seven Blades, made of Highest Grade Norwegian Cutlery Steel, Carefully Ground and Highly Tempered; EACH BLADE WILL GIVE FROM SIX TO TWENTY SHAVES. Put up One Razor and Seven Blades in a Hinged Case, Covered with Black Karatol, Purple Silk Plush Lined, with Button Clasp; Size of Case  $4\frac{1}{2}$  inches Long, 2 inches Wide and  $\frac{3}{4}$  inch High; Weight per dozen about 2 lbs. ....

One Dozen in a Cardboard Box.

Per Dozen

\$12.00

**Extra Blades Only for Enders' Dollar® Safety Razor, FIVE in a sealed package.....**

Per Package of Five

\$0.50

20 Packages (100 Blades) in a Cardboard Box; Weight per Box of 100 Blades about 8 ozs.

- 2760 -

# SAFETY RAZORS. ENDERS' TRAVELING SETS.



No Honing.  
No Stropping.

Just Lather  
and Shave.

**No. 82—ENDERS' Traveling Set;** Morocco Case, with Leather Flaps, and Purple Silk Plush Lining; Size of Case  $5 \times 2\frac{3}{4} \times 1\frac{3}{4}$  inches; Weight per set about 12 ozs. Per Dozen Sets \$60.00  
One-half Dozen Sets in a Carton.

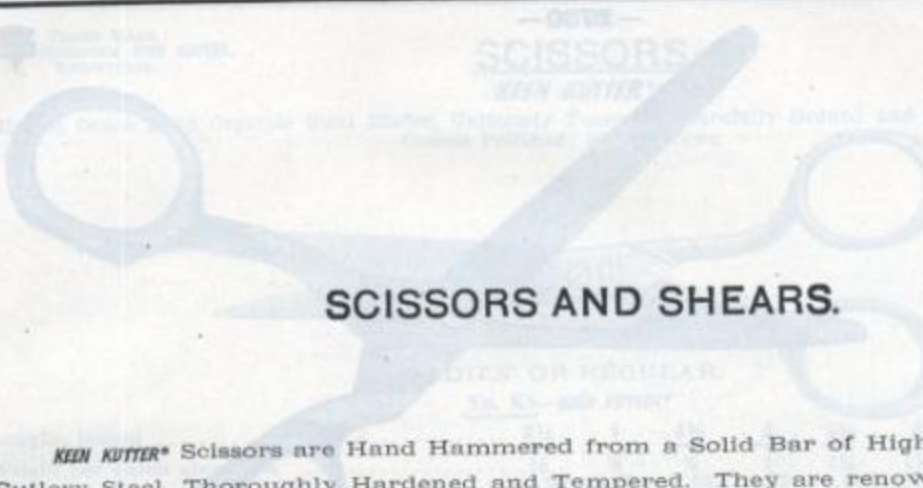
## CONTAINS.

- 1 Enders' Safety Razor; Solid Nickel Silver Frame, Steel Handle Heavily Nickel Plated, 4 inches Long, with Knurled Center.
- 12 (Two Packages) Wafer Pattern Blades, made of the Highest Grade Norwegian Cutlery Steel, Carefully Ground and Highly Tempered; Each Blade will Give from Six to Twenty Shaves.
- 1 Stick Colgate's Shaving Soap, in Nickel Plated Case.
- 1 Nickel Plated Collapsible Finest Badger Hair Shaving Brush.



Size of Case  $5 \times 2\frac{3}{4} \times 1\frac{3}{4}$  inches.

Cuts Full Size.



## SCISSORS AND SHEARS.

**KEEN KUTTER®** Scissors are Hand Hammered from a Solid Bar of Highest Grade Crucible Cutlery Steel, Thoroughly Hardened and Tempered. They are renowned for their Perfection in every particular. The Greatest Possible Care is given to each process of their manufacture. As an illustration, each Screw is Hand Made for the particular Pair of Scissors to which it belongs. Special Attention is paid to the fitting of the Scissors—as a result of which we Guarantee Every Pair to cut perfectly at the Extreme Points of the Blades—a particular in which many so-called first-class Scissors are deficient.

We carry a complete stock of all Shapes and Sizes, including Embroidery, Ladies', Pocket, Nail, Manicure, Buttonhole and Barbers'.

The **KEEN KUTTER®** Shears are "Steel Laid" Shears, manufactured by welding a Bar of Highest Grade Crucible Cast Steel to a Malleable Iron Base, moulded in the Rough Shape of a Shear Blade. This combination produces a Shear much less liable to break than the solid Steel Shear, and yet with fully as High Cutting Qualities which will be retained as long as any part of the blade remains. These Shears are fitted also with the Strauss Patent Bolt and Nut, the Bolt having two threads, one for the Blade of the Shear being cut in one direction, and one for the Nut in the other direction. This combination Absolutely Prevents the Nut working loose on the blade of the Shear, a tendency very common and very annoying on other brands. The greatest care is taken to see that the Blades are correctly fitted so that each pair will cut satisfactorily to the Extreme Points of the Blades.

The line includes both full Nickel Plated and Japanned Bows, both Straight and Bent Patterns of ordinary Trimmers, Bankers', Barbers' and Tailors' Shears.

-2730-



17 Years--And Just See What They Were Used For.

St. Louis, Mo., March 3rd, 1903.

Simmons Hardware Co.,  
St. Louis, Mo.,

Gentlemen:--

In Nov. 1886, I bought of Freeman Evans Hdw Co., of Marshfield, Mo., a pair of Keen Kutter Scissors. For several years they were used as they generally are, when I considered them old and about worthless and allowed the men at the Ranch to use them for various purposes, such as trimming Horses' Manes, Tails and Fetlocks, and lastly shearing cattle for finding brands. After a few years of this use they were sharpened and I used them four years at Dressmaking, when I returned them to Simmons Hdw. Co., for new ones on Feb. 26th, 1903.

Mrs. L. C. Gurney.  
4233 McRee Ave.



Used 13 Years--Sharpened 3 Times.

T. S. HEATH & SON.

Dealers in  
Everything for Cash.  
Weaubleau, Mo., 9/21/03.

Simmons Hardware Co.,  
St. Louis, Mo.,

Gentlemen:--

In reply to yours of the 18th inst., I will say that I used the little K. K. Shears for thirteen years, and do not think that they were sharpened more than two or three times. I never in my experience of thirty-one years in the retail business had a pair of scissors that were in an any manner to be compared with them, as they always cut as fine as a Razor. I have always used the K. K. goods, and found them a very superior line, but these little shears were par Excellence in every respect.

Yours truly,  
Thos. S. Heath.

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER,  
REGISTERED.

-2731-  
**SCISSORS.**  
**KEEN KUTTER®.**

Highest Grade Solid Crucible Steel Blades, Uniformly Tempered, Carefully Ground and Set; Fitted Bows; Full Crocus Polished; Plain Screws.



Blades are  
Correctly  
Fitted so that  
Each Pair  
Will Cut  
Satisfactory  
to the  
Extreme Point  
of the  
Blades.

**LADIES' OR REGULAR.**

**No. K8—KEEN KUTTER®.**

|                                   |        |      |      |      |      |       |       |       |       |
|-----------------------------------|--------|------|------|------|------|-------|-------|-------|-------|
| Length, inches .....              | 3½     | 4    | 4½   | 5    | 5½   | 6     | 6½    | 7     | 8     |
| Weight per dozen about, lbs. .... | ½      | ¾    | ¾    | 1    | 1¼   | 1½    | 1¾    | 2     | 3     |
| Per dozen .....                   | \$6.00 | 6.75 | 7.50 | 8.25 | 9.00 | 10.50 | 12.00 | 13.50 | 15.75 |

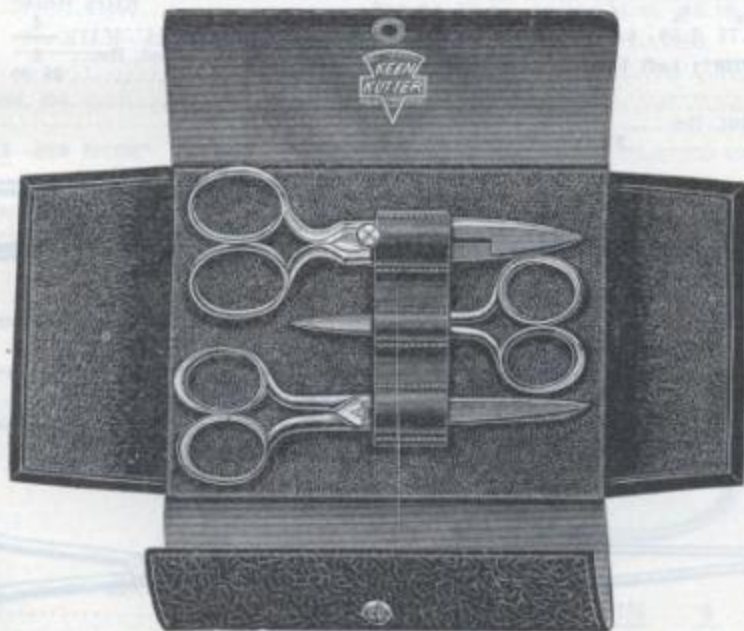


**EMBROIDERY OR LACE.**

**No. K7—KEEN KUTTER®.**

|                                   |        |      |      |      |      |       |
|-----------------------------------|--------|------|------|------|------|-------|
| Length, inches .....              | 3      | 3½   | 4    | 4½   | 5½   | 6½    |
| Weight per dozen about, lbs. .... | ½      | ½    | ¾    | ¾    | 1½   | 1¾    |
| Per dozen .....                   | \$6.00 | 6.50 | 7.00 | 7.50 | 9.00 | 12.00 |

One-half Dozen in a Cardboard Box.



**KEEN KUTTER®.**

**No. K30—Genuine Seal Grain Folding Leather Case, Green Plush Lined; Size, Closed, 5½x4½ inches..... \$4.00**

**CONTAINS:**

- 1 Pair KEEN KUTTER Ladies' Scissors, 5 inches.
- 1 Pair KEEN KUTTER Embroidery Scissors, 3½ inches.
- 1 Pair KEEN KUTTER Button Hole Scissors No. 1, 4¾ inches.

Packed Loose; Weight Each about ¼ lb.

Per Case

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER.  
REGISTERED.

-2732-  
**SCISSORS.**  
**KEEN KUTTER®.**

Highest Grade Solid Crucible Steel Blades, Uniformly Tempered, Carefully Ground and Set, Full Crocus Polished; Plain Screws.



**BUTTON HOLE.**

**KEEN KUTTER®; Round Bows; Brass Set Screw.**

| No.                          | K1BH   |
|------------------------------|--------|
| Length, inches               | 4 1/4  |
| Weight per dozen about, lbs. | 1 1/2  |
| Per dozen                    | \$9.00 |



**BUTTON HOLE.**

**KEEN KUTTER®; Shear Bows; Brass Set Screw.**

| No.                          | K2BH    |
|------------------------------|---------|
| Length, inches               | 5 1/2   |
| Weight per dozen about, lbs. | 1 1/2   |
| Per dozen                    | \$10.50 |



**POCKET.**

**No. K6P—KEEN KUTTER®;**

**Fitted Bows.**

| Length, inches   | 3      | 3 1/2 | 4    | 4 1/2 | 5     | 6     |
|------------------|--------|-------|------|-------|-------|-------|
| Wgt. dozen, lbs. | 1/2    | 3/4   | 1    | 1 1/4 | 1 1/2 | 1 3/4 |
| Per dozen        | \$6.75 | 7.50  | 8.25 | 9.00  | 10.50 | 12.00 |

**No. K66P—KEEN KUTTER®; Left Hand; Fitted Bows.**

| Length, inches               | 4       | 4 1/2 | 5     |
|------------------------------|---------|-------|-------|
| Weight per dozen about, lbs. | 1       | 1 1/4 | 1 1/2 |
| Per dozen                    | \$16.00 | 18.00 | 20.00 |

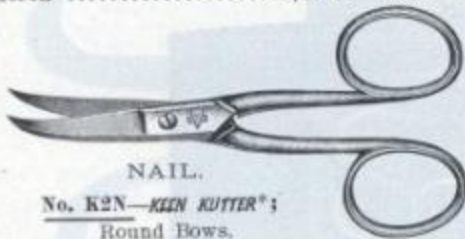


**POCKET.**

**No. K389P—KEEN KUTTER®; Fitted Bows; Bevel Blades;**

**Extra Heavy.**

| Length, inches             | 4      | 4 1/2 | 5     | 5 1/2 |
|----------------------------|--------|-------|-------|-------|
| Wgt. per dozen about, lbs. | 1      | 1 1/4 | 1 1/2 | 1 3/4 |
| Per dozen                  | \$8.00 | 10.00 | 11.00 | 12.00 |



**NAIL.**

**No. K2N—KEEN KUTTER®;**

**Round Bows.**

| Length, inches               | 2 3/4   | 3 1/4 |
|------------------------------|---------|-------|
| Weight per dozen about, lbs. | 1/2     | 3/4   |
| Per dozen                    | \$11.25 | 11.25 |



**NAIL.**

**KEEN KUTTER®; Round Bows;  
Extra Heavy.**

| No.                          | K3N     |
|------------------------------|---------|
| Length, inches               | 4       |
| Weight per dozen about, lbs. | 1       |
| Per dozen                    | \$12.00 |



**MANICURE.**

**No. K1M—KEEN KUTTER®; Round Bows; Straight Shank.**

| Length, inches               | 3       | 3 1/2 | 4 1/4 |
|------------------------------|---------|-------|-------|
| Weight per dozen about, lbs. | 3/4     | 1 1/2 | 1 3/4 |
| Per dozen                    | \$11.25 | 11.25 | 11.25 |



**MANICURE.**

**KEEN KUTTER®; Round Bows.**

| No.                          | K4M     |
|------------------------------|---------|
| Length, inches               | 4 1/4   |
| Weight per dozen about, lbs. | 1 1/2   |
| Per dozen                    | \$15.00 |

One-half Dozen in a Cardboard Box.

- 2742 -

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER.  
REGISTERED.

## SHEARS.

KEEN KUTTER®.

Highest Grade Crucible Steel Laid Blades, Uniformly Tempered, Carefully Ground and Set; Fitted Bows; Patent Screw and Nut.



U. S. Patent No. 226,128 Screw and Nut.

This Patent Screw and Nut is used exclusively on KEEN KUTTER Shears. It consists of a Right and Left Hand Screw, and a Left Hand Nut. The Main Screw holds the Blades Together; the Left Hand Threaded End of the Screw extending through the Shears, with Left Hand Nut Attachment, makes it IMPOSSIBLE FOR THE BLADES TO WORK LOOSE.

The Whole  
Construction  
of the  
Shear  
is made by  
the most  
Careful  
Workmen  
and under  
the most  
Rigid  
Inspection.



## STRAIGHT TRIMMERS.

No. K1—KEEN KUTTER®; FULL NICKEL PLATED.

|                              |         |       |       |       |       |       |       |       |
|------------------------------|---------|-------|-------|-------|-------|-------|-------|-------|
| Length, inches               | 6       | 6½    | 7     | 7½    | 8     | 8½    | 9     | 10    |
| Weight per dozen about, lbs. | 1¾      | 2     | 2½    | 3     | 3½    | 4     | 4½    | 6     |
| Per dozen                    | \$12.00 | 13.00 | 14.00 | 15.00 | 16.00 | 17.00 | 19.00 | 25.00 |

No. K1LH—KEEN KUTTER®; LEFT HAND; FULL NICKEL PLATED.

|                              |         |       |
|------------------------------|---------|-------|
| Length, inches               | 7½      | 8½    |
| Weight per dozen about, lbs. | 3       | 4     |
| Per dozen                    | \$19.00 | 21.00 |

No. K2—KEEN KUTTER®; BLACK JAPANNED HANDLES; NICKEL PLATED BLADES.

|                              |         |       |       |       |       |       |       |       |
|------------------------------|---------|-------|-------|-------|-------|-------|-------|-------|
| Length, inches               | 6       | 6½    | 7     | 7½    | 8     | 8½    | 9     | 10    |
| Weight per dozen about, lbs. | 1¾      | 2     | 2½    | 3     | 3½    | 4     | 4½    | 6     |
| Per dozen                    | \$12.00 | 13.00 | 14.00 | 15.00 | 16.00 | 17.00 | 19.00 | 25.00 |



## BENT TRIMMERS.

No. K2—KEEN KUTTER®; FULL NICKEL PLATED.

|                              |         |       |       |       |       |       |       |       |
|------------------------------|---------|-------|-------|-------|-------|-------|-------|-------|
| Length, inches               | 6       | 6½    | 7     | 7½    | 8     | 8½    | 9     | 10    |
| Weight per dozen about, lbs. | 1¾      | 2     | 2½    | 3     | 3½    | 4     | 4½    | 6     |
| Per dozen                    | \$13.00 | 14.00 | 15.00 | 16.00 | 17.00 | 20.00 | 22.00 | 27.00 |

No. K4—KEEN KUTTER®; BLACK JAPANNED HANDLES; NICKEL PLATED BLADES.

|                              |         |       |       |       |       |       |       |       |       |       |       |
|------------------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Length, inches               | 6       | 6½    | 7     | 7½    | 8     | 8½    | 9     | 10    | 12    | 13    | 14    |
| Weight per dozen about, lbs. | 1¾      | 2     | 2½    | 3     | 3½    | 4     | 4½    | 6     | 7     | 8     | 8½    |
| Per dozen                    | \$13.00 | 14.00 | 15.00 | 16.00 | 17.00 | 20.00 | 22.00 | 27.00 | 33.00 | 36.00 | 51.00 |

One-half Dozen in a Cardboard Box.

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER;  
CHIPAWAY.  
REGISTERED.

## SHEARS.

BARBERS'.



Highest Grade Solid Crucible Steel Blades, Uniformly Tempered, Carefully Ground and Set; Fitted Bows; Full Nickel Plated; Patent Screw and Nut.

No. K25—KEEN KUTTER\*.

|                                   |         |       |
|-----------------------------------|---------|-------|
| Length, inches .....              | 7½      | 8     |
| Weight per dozen about, lbs. .... | 2       | 2½    |
| Per dozen .....                   | \$13.50 | 15.00 |



Highest Grade Crucible Steel Laid Blades, Uniformly Tempered, Carefully Ground and Set; Fitted Bows; Patent Screw and Nut.

No. K17—KEEN KUTTER\*; FULL NICKEL PLATED.

|                                   |         |       |       |       |
|-----------------------------------|---------|-------|-------|-------|
| Length, inches .....              | 7       | 7½    | 8     | 8½    |
| Weight per dozen about, lbs. .... | 2       | 2¼    | 2½    | 2¾    |
| Per dozen .....                   | \$15.00 | 15.00 | 16.00 | 17.00 |

No. K18—KEEN KUTTER\*; BLACK JAPANNED HANDLES; Nickel Plated Blades.

|                                   |         |       |       |       |
|-----------------------------------|---------|-------|-------|-------|
| Length, inches .....              | 7       | 7½    | 8     | 8½    |
| Weight per dozen about, lbs. .... | 2       | 2¼    | 2½    | 2¾    |
| Per dozen .....                   | \$15.00 | 15.00 | 16.00 | 17.00 |

KEEN KUTTER\*; LEFT HAND; FULL NICKEL PLATED.

|                                   |         |
|-----------------------------------|---------|
| No. ....                          | K19LH   |
| Length, inches .....              | 8½      |
| Weight per dozen about, lbs. .... | 2½      |
| Per dozen .....                   | \$22.00 |

PAPER OR BANKERS'.



Highest Grade Solid Crucible Steel Blades, Uniformly Tempered, Carefully Ground and Set, Full Crocus Polished; Gold Plated Fancy Fitted Bows; Patent Screw and Nut.

No. K204—KEEN KUTTER\*.

|                                   |         |       |
|-----------------------------------|---------|-------|
| Length, inches .....              | 8       | 9     |
| Weight per dozen about, lbs. .... | 2¼      | 2¾    |
| Per dozen .....                   | \$15.00 | 16.00 |

One-half Dozen in a Cardboard Box.

TRADE MARK!  
E. C. SIMMONS' KEEN KUTTER,  
REGISTERED.

## SHEARS.

PAPER OR BANKERS'.



Highest Grade Crucible Steel Laid Blades, Uniformly Tempered, Carefully Ground and Set; Fitted Bows; Patent Screw and Nut.

No. K15—KEEN KUTTER\*; FULL NICKEL PLATED.

|                              |         |       |       |
|------------------------------|---------|-------|-------|
| Length, inches               | 12      | 14    | 16    |
| Weight per dozen about, lbs. | 7       | 8½    | 11    |
| Per dozen                    | \$32.00 | 42.00 | 54.00 |

No. K16—KEEN KUTTER\*; BLACK JAPANNED HANDLES;  
Nickel Plated Blades.

|                              |         |       |       |
|------------------------------|---------|-------|-------|
| Length, inches               | 12      | 14    | 16    |
| Weight per dozen about, lbs. | 7       | 8½    | 11    |
| Per dozen                    | \$32.00 | 42.00 | 54.00 |

## TAILORS' SHEARS.



KEEN KUTTER\*.

Highest Grade Crucible Steel Laid Blades, Uniformly Tempered, Carefully Ground and Set, Glazed Finish; Brass Bolt and Nut.

Black Japanned Handles.

| Nos.                        | K3     | K3½  | K4   | K4½  | K5   | K6   | K7    | K8    | K9    | K10   | K12   |
|-----------------------------|--------|------|------|------|------|------|-------|-------|-------|-------|-------|
| Length, inches              | 12     | 12½  | 12¾  | 13   | 13½  | 14   | 14½   | 15    | 15½   | 16½   | 16¾   |
| Weight per pair about, lbs. | 1½     | 1¾   | 1¾   | 1¾   | 2    | 2½   | 2½    | 2¾    | 3     | 3¾    | 4¾    |
| Per pair                    | \$3.50 | 4.00 | 5.00 | 6.00 | 8.00 | 9.00 | 10.00 | 11.00 | 12.00 | 13.00 | 15.00 |

Full Nickel Plated Handles and Blades.

| Nos.                        | K3T    | K3½T |
|-----------------------------|--------|------|
| Length, inches              | 12     | 13   |
| Weight per pair about, lbs. | 1½     | 2    |
| Per pair                    | \$5.00 | 5.50 |

One Pair in a Cardboard Box.

## COGGED SHEARS.

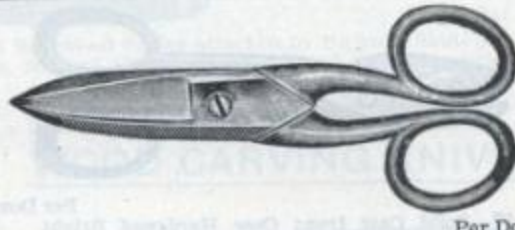


Solid Crucible Tempered Steel Blades; Black Japanned Handles; Solid Steel Bolt; Cutting Blade Carefully Ground and Sharpened; Lower Blade has Cogged Edge which Absolutely Prevents the material from slipping while cutting. Adapted for Cutting Rope, Belting, Linoleum, Rubber, Rubber Hose, Wire Cloth, etc.

|                          |                   |
|--------------------------|-------------------|
| No. 23—Length 8½ inches  | Per Dozen \$20.00 |
| No. 24—Length 10½ inches | 25.00             |

One-half Dozen in a Package; Weight per Dozen about 4½ lbs.

## ELECTRICIANS' SCISSORS.



Per Dozen

No. 551—Electricians' Scissors; First Quality Solid Crucible Steel; Blades Highly Tempered, with File on Back of Each Blade; Full Nickel Plated; Length over all 5 inches. \$8.00

One-half Dozen in a Cardboard Box; Weight per Dozen about 4 lbs.

TRADE MARKS:  
E. C. SIMMONS' **KEEN KUTTER**;  
REGISTERED.

## TINNERS' TOOLS.

### TINNERS' SNIPS.

For Quality, Finish and General Utility They Are Not to be Equaled.



Two Snips in One Very Useful in the Work Shop.

#### KEEN KUTTER\*.

**BUFFALO PATTERN**; Combination Circular and Straight; Jaws Ground and Shaped in such a manner that they can be used readily for Cutting Curves and Irregular Shapes as well as for Straight Work, thus combining all the advantages of both the Circular and Straight Snips in One Tool; Black Japanned Drop Forged Handles; Highest Grade Crucible Steel Laid Blades.

| Nos.                         | 6½     | 7    | 8    | 9    | 10   | 11   | 12   |
|------------------------------|--------|------|------|------|------|------|------|
| Length of Cut, inches.....   | 4½     | 4    | 3½   | 3    | 2½   | 2¼   | 2½   |
| Length over all, inches..... | 15     | 13¾  | 13¼  | 12¾  | 11½  | 9    | 8½   |
| For Cutting Iron, Nos.....   | 24     | 25   | 26   | 27   | 28   | 28   | 30   |
| Weight each about, lbs.....  | 3      | 3    | 2½   | 2    | 1    | ¾    | ¾    |
| Each .....                   | \$3.50 | 3.00 | 2.50 | 2.00 | 1.90 | 1.70 | 1.55 |

Nos. 6½ to 10, One in a Box. Nos. 11 and 12, One-half Dozen in a Box.

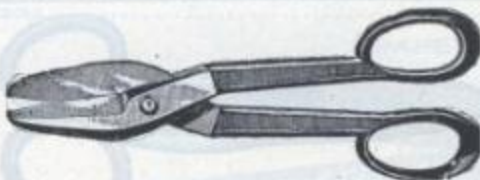


#### P. S. & W., CIRCULAR.

Steel Laid Blades and Black Japanned Drop Forged Handles.

| Nos.                         | 7C     | 8C   | 9C   | 10C  |
|------------------------------|--------|------|------|------|
| Length of Cut, inches.....   | 4      | 3½   | 3    | 2½   |
| Length over all, inches..... | 13¾    | 13¼  | 12   | 10¾  |
| For Cutting Iron, Nos.....   | 25     | 26   | 27   | 28   |
| Weight each about, lbs.....  | 2½     | 2    | 1½   | 1    |
| Each .....                   | \$3.50 | 3.00 | 2.50 | 2.25 |

Packed Loose.



#### DENTAL SNIPS.



**No. 97**—Solid Cast Iron; Case Hardened Bright Blades; Black Japanned Handles; Length of Cut 3 inches; Length over all 12 inches; Adapted for 28 Gauge Iron; Weight per dozen about 15 lbs. .... \$9.00

One Dozen in a Cardboard Box.

For Cutting Screen Wire Cloth, Light Bench Work and General Use on Store Counter.

#### KEEN KUTTER\*

**No. 11D**—Solid Cast Steel; Nickel Plated Blades; Black Japanned Handles; Length of Cut 1½ inches; Length over all 7½ inches; Weight per dozen about 4 lbs. .... \$15.00  
One-half Dozen in a Cardboard Box.

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER,  
REGISTERED.

## FARRIERS' KNIVES.



KEEN KUTTER\*

Per Dozen

No. K10—Solid Bone Handle; Highest Grade Crucible Steel Blade  $\frac{5}{8}$  inch Wide, Uniformly Tempered, Highly Polished. CAREFULLY GROUND AND SHARPENED, READY FOR USE..... \$5.50  
One-half Dozen in a Cardboard Box; Weight per Dozen about 3 lbs.

## SPATULAS.



KEEN KUTTER\*

No. K9803—Scale Tang Cocobolo Handle; Polished Steel Bolster; Highest Grade Crucible Steel Blade, Glazed Finish.

|                              |                 |                 |                 |                 |
|------------------------------|-----------------|-----------------|-----------------|-----------------|
| Length of Blade, inches..... | 3               | 4               | 5               | 6               |
| Width of Blade, inches.....  | $\frac{5}{8}$   | $\frac{3}{4}$   | $\frac{7}{8}$   | 1 $\frac{1}{8}$ |
| Weight per dozen about, lbs. | 1               | 1 $\frac{1}{4}$ | 1 $\frac{3}{4}$ | 2               |
| Per dozen .....              | \$4.00          | 4.50            | 5.50            | 6.50            |
| Length of Blade, inches..... | 8               | 10              | 12              | 14              |
| Width of Blade, inches.....  | 1 $\frac{1}{8}$ | 1 $\frac{3}{8}$ | 2               | 2 $\frac{1}{4}$ |
| Weight per dozen about, lbs. | 3               | 4 $\frac{1}{2}$ | 6               | 7               |
| Per dozen .....              | \$10.00         | 16.00           | 27.00           | 36.00           |

One Dozen in a Cardboard Box.

## CHIP CARVING KNIFE.



KEEN KUTTER\*

Per Dozen

No. K16—Solid Cocobolo Handle; Length of Handle 3 $\frac{1}{2}$  inches, with Blade inserted and fastened by 3 pins; Highest Grade Crucible Steel Blade, 1 $\frac{1}{4}$  inches Long, Highly Tempered, Glazed Finish..... \$6.00  
One Dozen in a Package.

## SLOYD KNIVES.



KEEN KUTTER\*

For Manual Training School and Carpenters' Use.

Per Dozen

No. K15—Stained Solid Beechwood Handle; Brass Ferrule; Highest Grade Crucible Steel Blade, Saber Pattern, 2 $\frac{1}{2}$  inches Long, with Tang Riveted at end of Handle..... \$4.50  
One Dozen in a Package; Weight per dozen about 1 lb.



For Manual Training School and Carpenters' Use.

Stained Solid Beechwood Handle; Brass Ferrule; First Quality Swedish Steel Blade, Saber Pattern, with Tang Riveted at End of Handle.

|                                  |                 |                 |
|----------------------------------|-----------------|-----------------|
| Nos. ....                        | 8A              | 10A             |
| Length of Blade, inches.....     | 3 $\frac{1}{2}$ | 2 $\frac{1}{2}$ |
| Weight per dozen about, lbs..... | 1 $\frac{1}{2}$ | 1               |
| Per dozen .....                  | \$3.50          | 2.50            |

One Dozen in a Package.

## PATTERN MAKERS' KNIVES.



Per Dozen

No. 1—Bolster and Lining of Handle One Piece Brass, with Rosewood Scales attached by Screws; Blade Detachable, Highest Grade Crucible Steel, 7 inches Long, Natural Finish; Complete with One Detachable Blade; Weight per dozen about 3 lbs..... \$17.00  
Extra Blades for No. 1—7 inches Long,  $\frac{1}{2}$  inch Wide; Weight per dozen about  $\frac{1}{4}$  lb..... 3.50  
One Dozen in a Package.

## WOOD OR LEATHER WORKERS' KNIVES.



Per Dozen

No. 3—Stained Solid Wood Handle; First Quality Steel Blade, 3 $\frac{1}{4}$  inches Long; Glazed Finish; Brass Ferrule; Length over all 7 $\frac{1}{2}$  inches; Weight per dozen about 1 lb..... \$3.00  
One Dozen in a Cardboard Box.

## WOOD CARVING KNIVES.



Per Dozen

No. 2—Solid Stained Wood Handle; First Quality Steel Blade, 1 $\frac{1}{4}$  inches Long; Glazed Finish; Brass Ferrule; Length over all 5 $\frac{1}{2}$  inches; Weight per dozen about 1 lb..... \$3.00

TRADE MARKS:  
E. C. SIMMONS' KEEN KUTTER  
AND TRIPLEX  
REGISTERED.

## PUTTY KNIVES.



KEEN KUTTER\*

Scale Tang Rosewood Handle; Polished Brass Bolster; Two Brass Saw Rivets; Highest Grade Crucible Steel Blade  $3\frac{1}{2}$  inches Long,  $1\frac{1}{2}$  inches Wide, Glazed Finish; Length over all  $7\frac{1}{2}$  inches.

No. K111—STIFF BLADE..... \$ 4.50  
No. K112—ELASTIC BLADE..... 4.50



KEEN KUTTER\*

Scale Tang Cocobolo Handle; Polished Steel Lap Bolsters, Two Brass Rivets; Highest Grade Crucible Steel Blade  $3\frac{1}{2}$  inches Long, 2 inches Wide, Glazed Finish.

No. K106—STIFF BLADE..... \$6.00  
No. K107—ELASTIC BLADE..... 6.00



KEEN KUTTER\*

Solid Cocobolo Handle; Polished Brass Ferrule; Highest Grade Crucible Steel Blade 3 inches Long,  $1\frac{1}{2}$  inches Wide, Glazed Finish.

No. K104—STIFF BLADE..... \$5.00  
No. K105—ELASTIC BLADE..... 5.00

## TWEEZERS.



No. A—4 inches Long; Steel, Nickel Plated..... \$3.00



No. B— $4\frac{1}{2}$  inches Long; Steel, Nickel Plated.... \$3.00



Barbers'.

No. C— $3\frac{1}{2}$  inches Long; Steel, Nickel Plated.... \$4.50



Skeleton— $4\frac{1}{2}$  inches Long; Steel, Nickel Plated.. \$4.25



Surgeons'—Steel, Nickel Plated; File Back.  
Length, inches ..... 4  
Per dozen ..... \$6.00



Swiss—Polished Steel.

Length, inches ..... 3 ..... 4 ..... 5 ..... 6  
Per dozen ..... \$1.35 ..... 1.35 ..... 2.00 ..... 3.00  
One Dozen in a Package; Weight per Dozen about  $\frac{1}{2}$  lb.

## LUBRICATING OILS.

TRIPLEX\*.

The most thoroughly satisfactory light Lubricating Oil on the Market. Used more sparingly, it does the work better, and goes farther than any other.

For LUBRICATING all light Mechanical Devices, Bicycles, Clocks, Phonographs, Typewriters, Sewing Machines, Cameras, Cutlery and all Dental, Surgical, Mathematical, Astronomical, Surveying or other delicate instruments; for sharpening and holding the edge on Razors and other instruments.

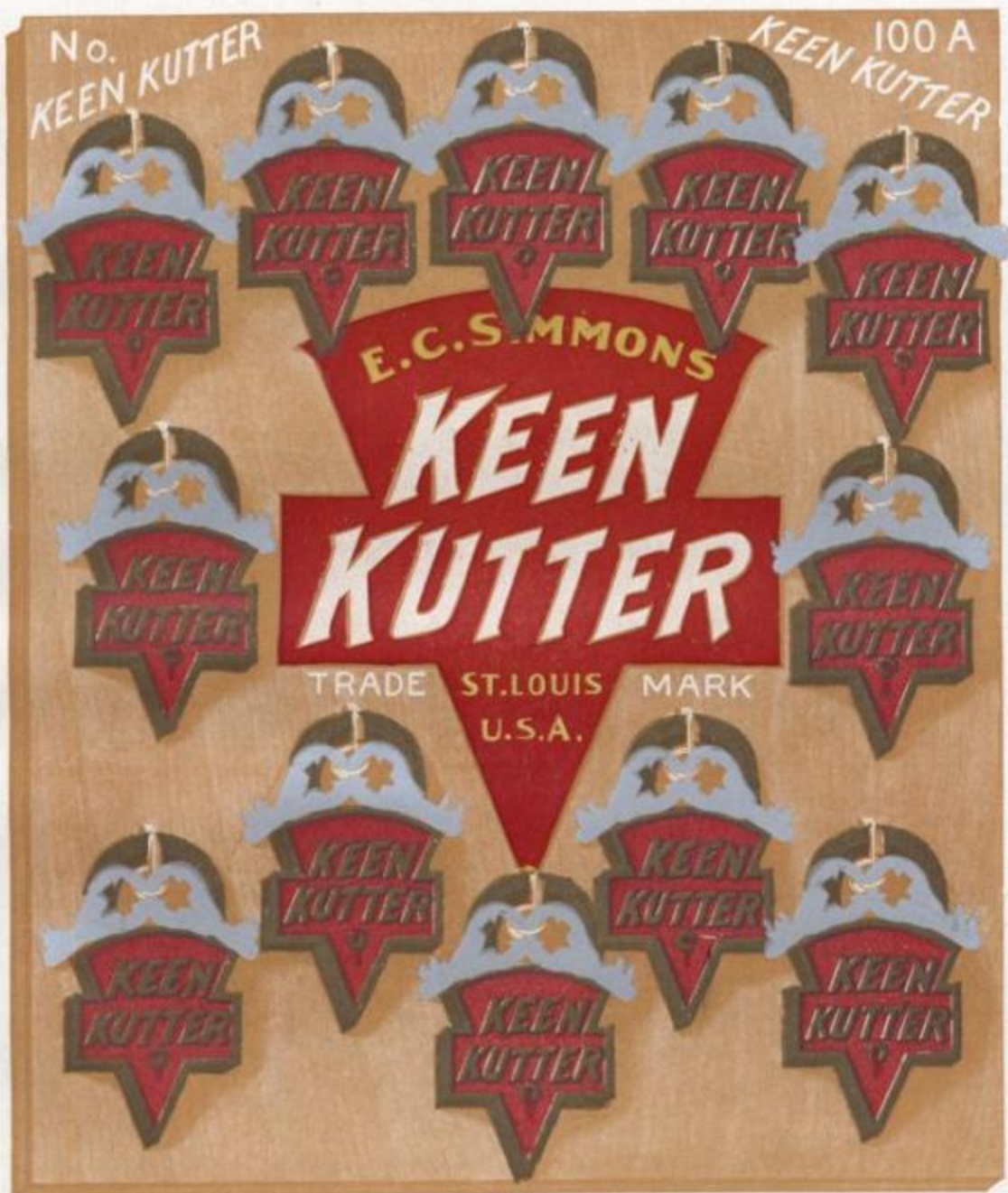
Guaranteed to be entirely free from Acids, and Non-corrosive; is Odorless, Light, Clean and effective; WILL NOT SOIL THE HANDS OR CLOTHING OR

COLLECT DUST; Cannot Thicken, Gum or Become Rancid anywhere. Each Bottle in a Separate Carton.

No. 114—1 OZ. BOTTLES; Weight per dozen about  $3\frac{1}{4}$  lbs..... \$1.20  
No. 115—3 OZ. BOTTLES; Weight per dozen about  $6\frac{1}{4}$  lbs..... 3.00  
No. 114, Two Dozen; No. 115, One Dozen in a Wooden Box with a Collapsible Cardboard Show Case Display Box in Each.



- 1120A -

PADLOCKS.

No. 100A—ASSORTMENT: Consists of One Dozen *KEEN KUTTER* Padlocks<sup>®</sup> Mounted on Heavy Cardboard  
 Display Stand, 13x16 inches..... Per Card \$10.00

(For General Description see Page 1107.)



## PADLOCKS.

Per Card

**No. 100A—KEEN KUTTER\* Assortment;** Consist of One Dozen **KEEN KUTTER** Padlocks, Mounted on a Heavy Cardboard Display Stand 13x16 inches; Each Card has an Eyelet by which it may be Hung up; Also a Wire Easel by which it may be made to Stand on Show Case; The Illustration is a Reproduction of Front of Card; The Back is Printed with our **KEEN KUTTER** Trade Mark in its Original Colors; Each Lock is Fastened to Card with Ringed Staple; The Keys are so arranged they can be Unhooked and used to remove Locks .....\$10.00

One Card, with Locks Mounted, in a Cardboard Box.

Weight per card about 8 lbs.

For Price and Detailed Description on Locks Only see Page 1107.

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PADLOCKS



## PADLOCKS.

TRADE MARK:  
E. C. SIMMONS' KEEN KUTTER  
AND  
"LACED,"  
REGISTERED.



No. 100.



Cuts Full Size.

KEEN KUTTER\*



No. 101.

Per Dozen

|                                                                                                                                                                                                                                                                  |  |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|
| <b>No. 100—KEEN KUTTER*</b> ; 2 inch CAST BRASS CASE; Hardened Brass Spring Shackle; Spacing of Shackle, Closed, $\frac{3}{4} \times 1\frac{1}{16}$ inch; 2 Flat Steel Nickel Plated Keys; 6 Secure Brass Levers; 36 CHANGES; Weight per dozen about 6 lbs. .... |  | \$10.00 |
| <b>No. 100L</b> —Same as No. 100, except Keyed All Alike.....                                                                                                                                                                                                    |  | \$10.00 |
| <b>No. 101</b> —Same as No. 100, except with 9 INCH BRIGHT STEEL PATENT LINK CHAIN .....                                                                                                                                                                         |  | 12.00   |
| <b>No. 101L</b> —Same as No. 101, except Keyed All Alike.....                                                                                                                                                                                                    |  | 12.00   |

No. 100 KEEN KUTTER\* Padlock is an exact reproduction of our KEEN KUTTER Trade Mark.

**THE CONSTRUCTION**—The interior workings are of brass, excepting the spring, which is made of Heavy Phosphor Bronze; the brass rivets are cast in the case and so arranged as to form a support for the case as well as binding posts, thus protecting the mechanism from a crushing force; A Lubricant of Graphite and Oil is used in each Lock, insuring Positive and Easy Action of the Levers.

**THE CASE**—Is of polished cast brass. The Trade Mark on front of lock has a raised polished brass margin with the words KEEN KUTTER in raised, polished brass letters, relieved by red enameled matted back ground.

**THE SHACKLE**—The shackle is of hardened polished brass, with the words "E. C. Simmons" embossed on one side and St. Louis, U. S. A. on the other, and the interior construction is so arranged as to lock both front and back, making it almost impossible for the shackle to be forced open.

**THE KEYS**—Each Padlock is furnished with two flat steel nickel plated keys, showing a miniature perforation of the Trade Mark in the bow.

**THE CHANGES**—Locks are made regularly in 36 CHANGES, thus giving unusual security and making all locks different in a dozen.

One-half Dozen in a Cardboard Box.

TRADE MARK:  
"BULL DOG"  
REGISTERED.



## PADLOCKS.



No. 500.

**BULL DOG\*.**

Wrought Steel, IVORY BLACK FINISH CASE;  
Self-locking Malleable Nickel Plated Spring Shackle;  
1 Galvanized Steel Lever; 2 Nickeled Flat Steel Keys to  
each Lock.

|                                                                                                          | Per Dozen |
|----------------------------------------------------------------------------------------------------------|-----------|
| No. 500—1½ INCH; 6 CHANGES; Spacing of Shackle, Closed, 11/16x11/16 inch; Weight per dozen about 1½ lbs. | \$1.80    |
| No. 502—1¼ INCH; 6 CHANGES; Spacing of Shackle, Closed, 7/8x7/8 inch; Weight per dozen about 2½ lbs.     | 2.40      |
| One Dozen in a Cardboard Box.                                                                            |           |
| No. 504—2 INCH; 12 CHANGES; Spacing of Shackle, Closed, 1x1 inch; Weight per dozen about 3 lbs.          | 3.00      |
| No. 506—2½ INCH; 24 CHANGES; Spacing of Shackle, Closed, 1½x1½ inch; Weight per dozen about 5 lbs.       | 4.20      |



No. 512.

**BULL DOG\*.**

WROUGHT BRASS CASE; Self-locking Malleable Black Enamelled Spring Shackle; 1 Galvanized Steel Lever; 2 Nickeled Flat Steel Keys.

|                                                                                                        | Per Dozen |
|--------------------------------------------------------------------------------------------------------|-----------|
| No. 508—1½ INCH; 6 CHANGES; Spacing of Shackle, Closed, 11/16x7/8 inch; Weight per dozen about 1½ lbs. | \$3.00    |
| No. 510—1¼ INCH; 6 CHANGES; Spacing of Shackle, Closed, 7/8x7/8 inch; Weight per dozen about 2½ lbs.   | 4.20      |
| One Dozen in a Cardboard Box.                                                                          |           |
| No. 512—2 INCH; 12 CHANGES; Spacing of Shackle, Closed, 1x1 1/16 inch; Weight per dozen about 3 lbs.   | 4.80      |
| No. 514—2½ INCH; 24 CHANGES; Spacing of Shackle, Closed, 1½x1½ inch; Weight per dozen about 5 lbs.     | 6.00      |

One-half Dozen in a Cardboard Box.

**BULL DOG\*.**

Per Dozen

|                                                                                                                                                                                                                                                                           |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| No. 521—2 INCH; WROUGHT STEEL CASE, Ivory Black Finish; Self-locking Malleable Nickel Plated Spring Shackle; Spacing of Shackle, Closed, 7/8x1 inch; 1 Galvanized Steel Lever; 2 Steel Nickel Plated Drilled Keys to each Lock; 12 CHANGES; Weight per dozen about 3 lbs. | \$3.25 |
| No. 5210—2 INCH; Same as No. 521 except has Brass Case and Black Enamelled Shackle.                                                                                                                                                                                       | 5.00   |
| One-half Dozen in a Cardboard Box.                                                                                                                                                                                                                                        |        |

**BULL DOG\*.**

Per dozen

|                                                                                                                                                                                                                                                                           |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| No. 496/C—1¼ inch WROUGHT STEEL CASE, Black Enamelled; Malleable Iron Nickel Plated Self-locking Spring Shackle; Spacing of Shackle, Closed, 7/8x7/8 inch; 12 inch Nickel Plated Steel Chain; 1 Galvanized Lever; 2 Flat Steel Nickel Plated Keys to each Lock; 6 CHANGES | \$4.50 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|

**BULL DOG\*.**

Per dozen

|                                                                                                                                                                                                                                                                              |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| No. 498/C—1¼ inch WROUGHT BRASS CASE, Satin Dip Finish; Malleable Iron Black Enamelled Self-locking Spring Shackle; Spacing of Shackle, Closed, 7/8x7/8 inch; 12 inch Nickel Plated Steel Chain; 1 Galvanized Lever; 2 Flat Steel Nickel Plated Keys to each Lock; 6 CHANGES | \$5.50 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|

Weight per dozen about 2 lbs.  
One Dozen in a Cardboard Box.

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**PADLOCKS.****MENTOR®.**

Per Dozen

No. 65—2 INCH WROUGHT STEEL CASE, BLACK ENAMELED, with Raised Parts Brass Plated; Malleable Iron Self-locking Spring Shackle, Brass Plated; Spacing of Shackle, Closed,  $\frac{3}{4} \times 1\frac{1}{2}$  inch; Warded; 2 Rolled Steel Nickel Plated Barrel Keys to each Lock; 6 CHANGES; Weight per dozen about 3 lbs.

\$4.50

One Dozen in a Cardboard Box.

**WIRELESS®.**

Cast Brass Polished Self-locking Spring Shackle; Spacing of Shackle, Closed,  $\frac{3}{4} \times 1\frac{1}{2}$  inches; Brass Works; One Lever; 2 Flat Steel Keys, Nickel Plated; 12 CHANGES.

Per Dozen

No. 90—2 INCH CAST BRASS CASE, with Green Enameled Front, Raised Parts Polished; Plain Matted Back, Raised Parts Polished; Weight per dozen about 4 lbs.

\$5.00



Blued Steel Self-locking Spring Shackle; Spacing of Shackle, Closed,  $1 \times 1\frac{1}{2}$  inch; 2 Secure Levers; 2 Nickel Plated Flat Steel Keys; Brass Interior Works; 12 CHANGES.

Per Dozen

No. 64072½—2 INCH WROUGHT BRASS CASE, Satin Dip Finish, with Raised Polished Surface; Weight per dozen about 4 lbs.

\$6.50

One-half Dozen in a Cardboard Box.



Showing Back of Lock.



Showing Front of Lock.

**SIMMONS® SIX LEVER.**

Per Dozen

No. 5—2½ INCH WROUGHT STEEL CASE, BLACK ENAMELED, with Raised Parts Polished; Malleable Iron Self-locking Spring Shackle, Brass Plated; Spacing of Shackle, Closed,  $\frac{3}{4} \times 1\frac{1}{2}$  inches; 6 Brass Levers; 2 Malleable Barrel Keys; 12 CHANGES; Weight per dozen about 4½ lbs.

\$4.60

**BULL'S EYE®.**

Per Dozen

No. 732—2 INCH STEEL CASE, BLACK ENAMELED, with Raised Polished Letters; Plain Wrought Brass Polished Re-enforced Ends; Malleable Iron Black Enameled Self-locking Spring Shackle; Spacing of Shackle, Closed,  $\frac{3}{4} \times 1\frac{1}{2}$  inches; 2 Corrugated Steel Nickel Plated Keys to Each Lock; 6 CHANGES; Weight per dozen about 4 lbs.

\$6.50



Per Dozen

No. 412—2 INCH CAST IRON CASE, BOWER-BARFF FINISH, with Wrought Steel Brass Plated Panel; Steel Self-locking Spring Shackle, Brass Plated, Swings either Right or Left; Spacing of Shackle, Closed,  $1 \times 1$  inch; 2 Flat Steel Nickel Plated Keys to each Lock; 4 CHANGES; Weight per dozen about 5 lbs.

\$6.60

-1111-  
**PADLOCKS.**



**No. 1233**—2 INCH CAST BRASS POLISHED CASE; Self-locking Brass Spring Shackle; Spacing of Shackle, Closed,  $\frac{13}{16} \times \frac{3}{4}$  inch; Spring Keyhole Drop; 1 Brass Lever and Ward; 2 Cast Brass Drilled Keys to each Lock; 6 CHANGES; Weight per dozen about  $4\frac{1}{2}$  lbs. .... \$10.00



**SEAMLESS STEEL CASE, BOWER-BARFF FINISH**; Steel Nickel Plated Self-locking Spring Shackle; Spacing of Shackle, Closed,  $\frac{9}{16} \times \frac{3}{4}$  inch; Brass Rivets; 3 Lever Tumblers; 2 Flat Steel Keys (No. 77) to each Lock; 48 CHANGES. .... Per Dozen

**No. 230**—1½ INCH CASE; Weight per dozen about 4 lbs. .... \$11.35  
**No. 430**—2 INCH CASE; Weight per dozen about  $6\frac{3}{4}$  lbs. .... 13.90



**SIMMONS\***. .... Per Dozen  
**No. 80**—2 INCH WROUGHT BRASS CASE, SATIN DIP FINISH; Wrought Brass Self-locking Spring Shackle, Polished; Spacing of Shackle, Closed,  $\frac{11}{16} \times 1$  inch; 3 Brass Levers; 2 Rolled Steel Nickel Plated Barrel Keys to each Lock; 12 CHANGES; Weight per dozen about  $3\frac{1}{2}$  lbs. .... \$17.75

One-half Dozen in a Cardboard Box.



**No. 4059**—2 INCH WROUGHT STEEL EMBOSSED CASE, ANTIQUE SILVER FINISH; Brass Rivets; Heavy Cast Brass Self-locking Spring Shackle; Spacing of Shackle, Closed,  $1 \times 1$  inch; 4 Brass Secure Levers; Brass Revolving Keyway; 2 Flat Steel Keys to each Lock; 12 CHANGES; Weight per dozen about 5 lbs. .... \$10.00



**LACLEDE\***.

**CAST BRASS POLISHED CASE**, with Raised Polished Letters; Cast Brass Self-locking Spring Shackle; Spacing of Shackle, Closed,  $\frac{9}{16} \times \frac{3}{4}$  inch; Wrought Brass Inside Works; 6 Secure Levers; 2 Nickel Plated Flat Steel Keys to each Lock; 36 CHANGES. .... Per Dozen

**No. 1M**—2½ INCH CASE; Weight per dozen about 5 lbs. .... \$11.50

**No. 10M**—2½ INCH CASE; 9 INCH POLISHED STEEL CHAIN; Weight per dozen about 7 lbs. .... \$14.00



**No. 326**—2½ INCH CAST IRON CASE, Bower-Barff Finish; Steel Discs, Copper Plated Polished; Self-locking Steel Spring Shackle, Copper Plated Polished; Spacing of Shackle, Closed,  $\frac{9}{16} \times \frac{3}{4}$  inch; 2 Wards; 2 Flat Steel Nickel Plated Keys No. 412 to each Lock; 6 CHANGES; Weight per dozen about 7 lbs. .... \$11.95

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**PADLOCKS.**



**HEAVY CAST BRONZE CASE**, with Polished Raised Surface; Cast Bronze Polished Self-locking Spring Shackle; Cast Bronze Inside Works; 2 Nickel Plated Flat Steel Keys to each Lock, all different.

Per Dozen

- No. 813—1 INCH; 3 Tumblers; 54 CHANGES; Spacing of Shackle, Closed,  $\frac{5}{8} \times \frac{1}{2}$  inch; Weight per dozen about 2 lbs. .... \$20.00
- No. 823—1 1/4 INCH; 3 Tumblers; 54 CHANGES; Spacing of Shackle, Closed,  $\frac{1}{2} \times \frac{11}{16}$  inch; Weight per dozen about 2 1/2 lbs. .... 22.00
- No. 833—1 1/2 INCH; 3 Tumblers; 54 CHANGES; Spacing of Shackle, Closed,  $\frac{9}{16} \times \frac{3}{4}$  inch; Weight per dozen about 4 lbs. .... 25.00
- No. 843—1 3/4 INCH; 4 Tumblers; 82 CHANGES; Spacing of Shackle, Closed,  $\frac{5}{8} \times \frac{3}{4}$  inch; Weight per dozen about 5 lbs. .... 28.05
- No. 853—2 INCH; 4 Tumblers; 144 CHANGES; Spacing of Shackle, Closed,  $\frac{3}{4} \times 1$  inch; Weight per dozen about 7 lbs. .... 31.00
- One-half Dozen in a Cardboard Box.



Per Dozen

- No. 8653—2 INCH HEAVY CAST BRONZE CASE, Raised Surfaces Buffed; Cast Bronze Self-locking Spring Shackle; Spacing of Shackle, Closed,  $1 \frac{1}{2} \times 1$  inch; 9 INCH TINNED IRON CHAIN; 4 Tumblers; 2 Flat Steel Keys to each Lock, 144 CHANGES; Weight per dozen about 8 lbs. .... \$35.20
- One-quarter Dozen in a Cardboard Box.



Per Dozen

- ±No. 851—2 INCH HEAVY CAST BRONZE CASE; Self-locking Bright Steel Spring Shackle; Spacing of Shackle, Closed,  $1 \frac{1}{2} \times \frac{1}{4}$  inch; 5 Pin Tumblers; 2 Paracentric Steel Keys; CHANGES UNLIMITED; Weight per dozen about 8 lbs. .... \$49.55
- One-half Dozen in a Cardboard Box.



**HEAVY WROUGHT STEEL CASE**, Bower-Barff Rustless Finish, Brass Caps, Brass Rivets; Self-locking Forged Steel Spring Shackle; 2 Corrugated Steel Keys to each Lock.

Per Dozen

- No. 8434—1 1/2 INCH; Spacing of Shackle, Closed,  $\frac{9}{16} \times \frac{3}{8}$  inch; 3 Bronze Tumblers; 48 CHANGES; Weight per dozen about 3 lbs. .... \$16.90
- No. 8454—2 INCH; 4 Bronze Tumblers; 144 CHANGES; Spacing of Shackle, Closed,  $\frac{3}{4} \times 1$  inch; Weight per dozen about 6 lbs. .... 20.85
- No. 84654—2 INCH; Same as No. 8454, except 9 INCH TINNED IRON CHAIN; Weight per dozen about 7 lbs. .... 23.85
- One-half Dozen in a Cardboard Box.



Note—Use no Oil in this Lock. To operate, put Key in Cylinder and pull down on Shackle or push up on Key.

Per Dozen

- No. 9005—2 INCH CAST IRON CASE, BOWER-BARFF RUSTLESS FINISH, with Polished Raised Surface; Heavy Cast Bronze Polished Self-locking Spring Shackle, Swings both ways; Spacing of Shackle, Closed,  $1 \frac{1}{2} \times \frac{3}{4}$  inch; 9 INCH GALVANIZED IRON CHAIN; Bronze Works; 4 Pin Tumblers; 2 Corrugated Steel Keys No. 106 1/2 to each Lock; 144 CHANGES; Weight per dozen about 9 lbs. .... \$24.85

One-half Dozen in a Cardboard Box.

Keys for No. 9005 Yale Padlocks cannot be duplicated by numbers, one of the originals must be returned if possible, or if these are lost the Lock itself must be returned for new Keys.



## WROUGHT STAPLES.



Wrought Iron, Pointed.

| Inches                                                        | 1      | 1 1/4 | 1 1/2 | 1 3/4 | 2     | 2 1/4 | 2 1/2 | 3    | 3 1/2 | 4         |
|---------------------------------------------------------------|--------|-------|-------|-------|-------|-------|-------|------|-------|-----------|
| Weight per gross about, lbs.                                  | 3/4    | 1     | 1 1/2 | 2     | 2 1/2 | 3     | 4     | 6    | 8 1/2 | 11        |
| Per gross                                                     | \$1.20 | 1.20  | 1.25  | 1.50  | 1.70  | 2.00  | 2.35  | 3.20 | 3.70  | 5.25      |
|                                                               |        |       |       |       |       |       |       |      |       | Per Gross |
| Assorted, from 1 1/2 to 3 inch; Weight per gross about 3 lbs. |        |       |       |       |       |       |       |      |       | \$2.00    |

One Gross in a Cardboard Box.

## HOOKS AND STAPLES.



WROUGHT IRON.

|                                  |          |          |           |          |
|----------------------------------|----------|----------|-----------|----------|
| Inches .....                     | <u>3</u> | <u>4</u> | <u>4½</u> | <u>5</u> |
| Weight per gross about, lbs....  | 12       | 15       | 18        | 21       |
| Per gross .....                  | \$8.00   | 10.00    | 11.00     | 12.00    |
| Inches .....                     | <u>6</u> | <u>7</u> | <u>8</u>  |          |
| Weight per gross about, lbs..... | 25       | 40       | 44        |          |
| Per gross .....                  | \$14.00  | 22.00    | 25.00     |          |

HEAVY WROUGHT IRON.

| Inches                       | 4       | 5     | 6     |
|------------------------------|---------|-------|-------|
| Weight per gross about, lbs. | 21      | 32    | 40    |
| Per gross                    | \$13.00 | 16.00 | 19.00 |

One-quarter Gross in a Cardboard Box.



Heavy Wire, Polished.

|                                                                      |  | Per Gross |
|----------------------------------------------------------------------|--|-----------|
| No. 14—1/4 inch Wire, 4 inches Long; Weight per gross about 20 lbs.  |  | \$4.00    |
| No. 15—5/16 inch Wire, 5 inches Long; Weight per gross about 30 lbs. |  | 5.25      |
| No. 16—5/16 inch Wire, 6 inches Long; Weight per gross about 37 lbs. |  | 5.60      |

One-quarter Gross in a Cardboard Box.

## GATE HOOKS AND STAPLES.



PROCTOR'S SAFETY.

Malleable Iron Hook, with 3 inch Wrought Staples.

SELF-COLORED.

| No.                          | 1       | 2     |
|------------------------------|---------|-------|
| Length, inches               | 4 1/2   | 7     |
| Weight per gross about, lbs. | 48      | 66    |
| Per gross                    | \$14.50 | 18.00 |

TINNED.

| Nos.                         | 3       | 4     |
|------------------------------|---------|-------|
| Length, inches               | 4 1/2   | 7     |
| Weight per gross about, lbs. | 48      | 66    |
| Per gross                    | \$18.00 | 21.50 |

One-twelfth Gross in a Cardboard Box.



No. 100—Safety, Tinned; Malleable Hooks, Wrought Staple.

| Inches                       | 4       | 5     | 6     |
|------------------------------|---------|-------|-------|
| Weight per gross about, lbs. | 24      | 27    | 30    |
| Per gross                    | \$13.00 | 15.00 | 17.00 |

One-sixth Gross in a Cardboard Box.

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HASPS AND STAPLES.

WROUGHT IRON.

|                                  |        |     |      |      |      |      |
|----------------------------------|--------|-----|------|------|------|------|
| Inches .....                     | 4      | 5   | 6    | 7    | 8    | 10   |
| Weight per dozen about, lbs..... | 1      | 1½  | 2    | 2½   | 3½   | 4½   |
| Per dozen .....                  | \$0.84 | .90 | 1.00 | 1.10 | 1.30 | 2.00 |

HOOKS, HASPS AND STAPLES.

WROUGHT IRON.

|                                          |        |      |      |      |      |      |
|------------------------------------------|--------|------|------|------|------|------|
| Inches .....                             | 5      | 6    | 7    | 8    | 9    | 10   |
| Wgt. per doz. about, lbs. 1½ 2½ 3 4 4½ 5 |        |      |      |      |      |      |
| Per dozen .....                          | \$1.20 | 1.40 | 1.60 | 1.80 | 2.20 | 2.50 |

EXTRA HEAVY HOOKS, HASPS AND STAPLES.

EXTRA HEAVY; ½ INCH WROUGHT IRON.

|                                  |        |      |      |
|----------------------------------|--------|------|------|
| Inches .....                     | 8      | 9    | 10   |
| Weight per dozen about, lbs..... | 7      | 8    | 9    |
| Per dozen .....                  | \$4.00 | 4.50 | 5.00 |

HASPS AND STAPLES.

PERFECT.

|                                               |           |
|-----------------------------------------------|-----------|
| No. 210—7 inch, STEEL; Weight per dozen about | Per Dozen |
| 2½ lbs .....                                  | \$1.10    |

One Dozen in a Cardboard Box,

BENT HASPS AND STAPLES.

WROUGHT IRON.

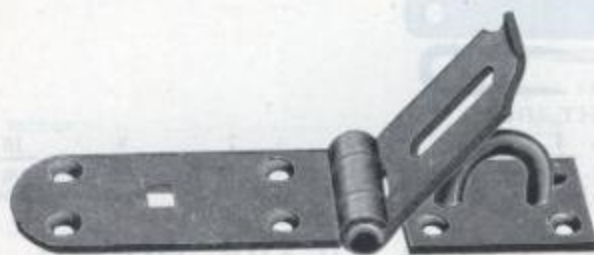
|                                  |        |      |
|----------------------------------|--------|------|
| Inches .....                     | 6      | 8    |
| Weight per dozen about, lbs..... | 2      | 3½   |
| Per dozen .....                  | \$1.30 | 1.60 |

TRAP DOOR RINGS WITH STAPLES.Trap Door Rings, with Staples;  
Wrought Iron.

|                                  |         |       |       |
|----------------------------------|---------|-------|-------|
| Inches .....                     | 2       | 2½    | 3     |
| Weight per gross about, lbs..... | 18      | 26    | 36    |
| Per gross .....                  | \$16.00 | 19.00 | 26.00 |

One-quarter Gross in a Cardboard Box.

## HINGE HASPS.



No. 941.  
Extra Heavy Steel.

HASP,  $7\frac{1}{2} \times 1\frac{1}{4} \times \frac{5}{32}$  inches. Countersunk for No. 12 Screw. STAPLE PLATE,  $2\frac{1}{2} \times 1\frac{1}{4} \times \frac{5}{32}$  inches.

## BRIGHT.

|                                          |        |
|------------------------------------------|--------|
| No. ....                                 | 941    |
| Weight per single dozen about, lbs. .... | 10     |
| Per single dozen .....                   | \$6.75 |

## JAPANNED.

|                                          |        |
|------------------------------------------|--------|
| No. ....                                 | 941J   |
| Weight per single dozen about, lbs. .... | 11     |
| Per single dozen .....                   | \$7.75 |

One Single Dozen in a Cardboard Box, without Screws.



No. 915.  
Safety, Wrought Steel.

## No. 915—BRIGHT.

|                                          |        |      |      |
|------------------------------------------|--------|------|------|
| Inches .....                             | 3      | 4½   | 6    |
| Size Screw, No. ....                     | 7      | 7    | 9    |
| Weight per single dozen about, lbs. .... | 3      | 3½   | 8½   |
| Per single dozen .....                   | \$0.90 | 1.20 | 1.70 |

## No. 915J—JAPANNED.

|                                          |        |      |      |
|------------------------------------------|--------|------|------|
| Inches .....                             | 3      | 4½   | 6    |
| Size Screw, No. ....                     | 7      | 7    | 9    |
| Weight per single dozen about, lbs. .... | 3      | 3½   | 8½   |
| Per single dozen .....                   | \$1.10 | 1.50 | 2.20 |

Packed Loose, without Screws.

## No. 915A—BRONZE PLATED.

|                                          |        |      |      |
|------------------------------------------|--------|------|------|
| Inches .....                             | 3      | 4½   | 6    |
| Size Screw, No. ....                     | 7      | 7    | 9    |
| Weight per single dozen about, lbs. .... | 3      | 3½   | 8½   |
| Per single dozen .....                   | \$1.75 | 2.20 | 3.00 |

One Single Dozen in a Cardboard Box, without Screws.

## Safety, Wrought Steel.

Per Single Dozen

|                                                                                                                                                              |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| No. 922—6 inch; Wrought Steel, BRIGHT FINISH;<br>Double Hinged; Adapted for either a Tool<br>Box or Hinge Hasp on Door; Countersunk for<br>No. 9 Screw ..... | \$2.25 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|

|                                                            |      |
|------------------------------------------------------------|------|
| No. 922/J—Same as No. 922, except JAPANNED<br>FINISH ..... | 2.65 |
|------------------------------------------------------------|------|

One Single Dozen in a Cardboard Box; Without Screws;  
Weight per Single Dozen about 10 lbs.

## Wrought Steel.

## No. 912—PLAIN STEEL.

| Inches .....                       | 3      | 4½  | 6   | 8    | 10   |
|------------------------------------|--------|-----|-----|------|------|
| Width of Joints, inches .....      | 1½     | 1½  | 1½  | 1½   | 2½   |
| Size Screw, No. ....               | 6      | 7   | 9   | 10   | 10   |
| Weight per dozen about, lbs. ....  | 2      | 2½  | 5   | 7½   | 12½  |
| Single dozen in a barrel .....     | 250    | 180 | 96  | 60   | 40   |
| Weight per barrel about, lbs. .... | 600    | 650 | 650 | 650  | 600  |
| Per single dozen .....             | \$0.50 | .60 | .80 | 1.05 | 1.50 |

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**CASTERS.****TUCKER'S PATENT.**

Bronze Finished; Cast Iron Frames, Plates and Stems; Steel Axles and Frame Pins; Polished Lignumvitae Wheels.



No. 227.

No. 228.

**ROUND PLATE.**

| Nos                           | 227    | 237   | 247   | 257   |
|-------------------------------|--------|-------|-------|-------|
| Diameter of Wheels, inches... | 1 1/2  | 1 1/2 | 1 1/2 | 1 1/2 |
| Diameter of Plate, inches...  | 1 1/2  | 1 1/2 | 1 1/2 | 2     |
| Weight per set about, lbs...  | 3/4    | 1 1/4 | 1 1/2 | 2     |
| Per set of 4...               | \$0.40 | .45   | .50   | .60   |

**OBLONG PLATE.**

| Nos                           | 228    | 238     | 248    | 258   |
|-------------------------------|--------|---------|--------|-------|
| Diameter of Wheels, inches... | 1 1/2  | 1 1/2   | 1 1/2  | 1 1/2 |
| Length of Plate, inches...    | 1 1/2  | 1 15/16 | 2 3/16 | 2 1/2 |
| Weight per set about, lbs...  | 3/4    | 1 1/4   | 1 1/2  | 2     |
| Per set of 4...               | \$0.40 | .45     | .50    | .60   |

**STEM.**

| Nos                           | 229    | 239   | 249   | 259     |
|-------------------------------|--------|-------|-------|---------|
| Diameter of Wheels, inches... | 1 1/2  | 1 1/2 | 1 1/2 | 1 1/2   |
| Diameter of Plate, inches...  | 1 1/2  | 1 3/8 | 1 5/8 | 1 13/16 |
| Length of Stem, inches...     | 3/4    | 1     | 1 1/4 | 1 1/2   |
| Weight per set about, lbs...  | 3/4    | 1 1/4 | 1 1/2 | 2 1/4   |
| Per set of 4...               | \$0.40 | .45   | .50   | .60     |

One Set in a Cardboard Box.

**PAYSON'S ANTI-FRICTION.**

Bronze Finish Cast Iron Frames and Plates; Steel Stems, Axles and Roller Bearings.



No. 372.

No. 373.

**OBLONG PLATE.  
IRON WHEEL.**

| Nos                          | 372    | 373   | 374   | 376   |
|------------------------------|--------|-------|-------|-------|
| Diameter of Wheel, inches... | 1 1/2  | 1 1/2 | 1 1/2 | 2     |
| Length of Plate, inches...   | 2      | 2 3/8 | 2 3/4 | 3 1/4 |
| Weight per set about, lbs... | 1      | 1 1/2 | 2 3/4 | 4     |
| Per set of 4...              | \$0.60 | .75   | .95   | 1.25  |

**LIGNUMVITAE WHEEL.**

| Nos                          | 382    | 383   | 384   | 386   |
|------------------------------|--------|-------|-------|-------|
| Diameter of Wheel, inches... | 1 1/2  | 1 1/2 | 1 1/2 | 2     |
| Length of Plate, inches...   | 2      | 2 3/8 | 2 3/4 | 3 1/4 |
| Weight per set about, lbs... | 1 1/2  | 1 1/2 | 3     | 3     |
| Per set of 4...              | \$0.65 | .80   | 1.00  | 1.35  |

**COMMON STEM.  
IRON WHEEL.**

| Nos                          | 333    | 334     |
|------------------------------|--------|---------|
| Diameter of Wheel, inches... | 1 1/2  | 1 1/2   |
| Diameter of Plate, inches... | 1 5/8  | 1 13/16 |
| Weight per set about, lbs... | 1 1/2  | 2 1/4   |
| Per set of 4...              | \$0.75 | .95     |

**LIGNUMVITAE WHEEL.**

| Nos                          | 343    | 344   |
|------------------------------|--------|-------|
| Diameter of Wheel, inches... | 1 1/2  | 1 1/2 |
| Diameter of Plate, inches... | 1 1/2  | 1 1/2 |
| Weight per set about, lbs... | 1 1/2  | 2     |
| Per set of 4...              | \$0.80 | 1.00  |

**PHILADELPHIA STEM.  
IRON WHEEL.**

Per Set of 4  
No. 452—Diameter of Wheel  
1 1/2 inches; Diameter  
of Plate 1 1/2 inches;  
Weight per set about 2  
lbs. .... \$0.60  
One Set in a Cardboard Box.



## CASTERS.



ROUND PLATE; EXTRA HEAVY.  
BRONZED.  
Iron Wheels.

| Nos.                          | M21    | M31   | M41   | M51   | M61   |
|-------------------------------|--------|-------|-------|-------|-------|
| Diameter of Wheels, inches... | 1      | 1 1/4 | 1 1/2 | 1 3/4 | 2     |
| Diameter of Plate, inches...  | 1 1/4  | 1 1/2 | 1 3/4 | 2 1/4 | 2 3/4 |
| Weight per set about, lbs.    | 1 1/2  | 2     | 3     | 4     | 5     |
| Per set of 4                  | \$0.80 | .85   | .90   | 1.00  | 1.25  |

## Lignumvitae Wheels.

| Nos.                          | M27    | M37   | M47   | M57   |
|-------------------------------|--------|-------|-------|-------|
| Diameter of Wheels, inches... | 1      | 1 1/4 | 1 1/2 | 1 3/4 |
| Diameter of Plate, inches...  | 1 1/4  | 1 1/2 | 1 3/4 | 2 1/4 |
| Weight per set about, lbs.    | 1      | 1 1/2 | 2 1/4 | 3     |
| Per set of 4                  | \$0.85 | .90   | .95   | 1.05  |

One Set in a Cardboard Box.



STEM PLATE.  
BRONZED.  
Iron Wheels.

| Nos.                       | M23    | M33   | M43   |
|----------------------------|--------|-------|-------|
| Diameter of Wheels, inches | 1      | 1 1/4 | 1 1/2 |
| Diameter of Stem, inches   | 3/8    | 7/16  | 1/2   |
| Length of Stem, inches     | 1      | 1 1/4 | 1 1/2 |
| Diameter of Plate, inches  | 1 1/4  | 1 1/2 | 1 3/4 |
| Weight per set about, lbs. | 1 1/2  | 2 1/4 | 3     |
| Per set of 4               | \$0.80 | .85   | .90   |

## Lignumvitae Wheels.

| Nos.                       | M29    | M39   | M49   |
|----------------------------|--------|-------|-------|
| Diameter of Wheels, inches | 1      | 1 1/4 | 1 1/2 |
| Diameter of Stem, inches   | 3/8    | 7/16  | 1/2   |
| Length of Stem, inches     | 1      | 1 1/4 | 1 1/2 |
| Diameter of Plate, inches  | 1 1/4  | 1 1/2 | 1 3/4 |
| Weight per set about, lbs. | 1      | 2     | 2 1/4 |
| Per set of 4               | \$0.85 | .90   | .95   |

One Set in a Cardboard Box.



OBLONG PLATE; EXTRA HEAVY.  
BRONZED.  
Iron Wheels.

| Nos.                          | M22    | M32   | M42   | M52   | M62   |
|-------------------------------|--------|-------|-------|-------|-------|
| Diameter of Wheels, inches... | 1      | 1 1/4 | 1 1/2 | 1 3/4 | 2     |
| Length of Plate, inches...    | 1 1/4  | 1 1/2 | 1 3/4 | 2 1/4 | 2 3/4 |
| Width of Plate, inches...     | 1 1/4  | 1 1/2 | 1 3/4 | 2 1/4 | 2 3/4 |
| Weight per set about, lbs.    | 1 1/2  | 2     | 3     | 4     | 5     |
| Per set of 4                  | \$0.80 | .85   | .90   | 1.00  | 1.25  |

## Lignumvitae Wheels.

| Nos.                          | M28    | M38   | M48   | M58   |
|-------------------------------|--------|-------|-------|-------|
| Diameter of Wheels, inches... | 1      | 1 1/4 | 1 1/2 | 1 3/4 |
| Length of Plate, inches       | 1 1/4  | 1 1/2 | 1 3/4 | 2 1/4 |
| Width of Plate, inches        | 1 1/4  | 1 1/2 | 1 3/4 | 2 1/4 |
| Weight per set about, lbs.    | 1 1/2  | 2     | 3     | 4     |
| Per set of 4                  | \$0.85 | .90   | .95   | 1.05  |

One Set in a Cardboard Box.



TRUCK.  
OBLONG PLATE; EXTRA HEAVY.  
PLAIN FINISH.

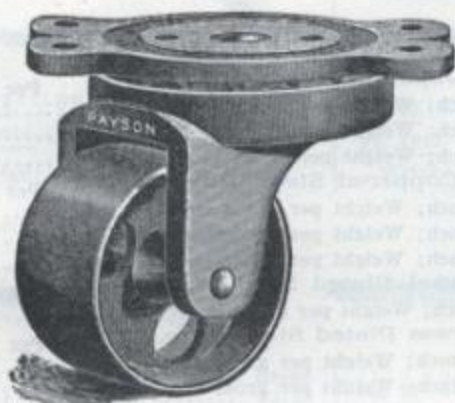
## Iron Wheels.

| Nos.                       | M82    | M102  | M112  |
|----------------------------|--------|-------|-------|
| Diameter of Wheels, inches | 2 1/2  | 3 1/4 | 3 3/4 |
| Length of Plate, inches    | 4 1/2  | 4 3/4 | 5     |
| Width of Plate, inches     | 3 1/4  | 3 3/4 | 3 3/4 |
| Weight per set about, lbs. | 12     | 14    | 20    |
| Per set of 4               | \$2.00 | 2.50  | 3.75  |

Packed Loose.

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## TRUCK CASTERS.



PAYSON'S OBLONG PLATE.

Natural Finish Heavy Cast Iron Frame, Wheel and Plate; Steel Axle, Riveted to Frame; Steel Roller Bearings under Plate; Plate attached to Frame by Heavy Iron Rivet.

- |                                                                                                                            | Per set of 4 |
|----------------------------------------------------------------------------------------------------------------------------|--------------|
| No. 188—Diameter of WHEEL 2½ INCHES; Size of Plate 2½x4¼ inches; Width of Wheel 1½ inches; Weight per set about 8 lbs..... | \$2.75       |
| No. 190—Diameter of WHEEL 3½ INCHES; Size of Plate 3x5 inches; Width of Wheel 1½ inches; Weight per set about 14 lbs.....  | 4.50         |
| No. 192—Diameter of WHEEL 4 INCHES; Size of Plate 3½x6 inches; Width of Wheel 2¼ inches; Weight per set about 36 lbs.....  | 13.00        |



STATIONARY.

Japanned Cast Iron Frame, Wheel and Plate; Steel Axles.

- |                                                                                                                                                                                                                   | Per Single Dozen |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| No. 3289—With Riveted Axle; Diameter of WHEEL 2¼ INCHES; Width of Wheel Face ¾ inch; Size of Plate 4¼x2¼ inches; Height over all 3¼ inches; Weight per dozen about 18 lbs. ....                                   | \$2.65           |
| No. 5489—With Bolt and Nut Axle; Noiseless Turned Wheel Face; Diameter of WHEEL 4 INCHES; Width of Wheel Face 1¼ inches; Size of Plate 5¼x3¼ inches; Height over all 5½ inches; Weight per dozen about 48 lbs.... | 8.50             |



SWIVEL.

Japanned Cast Iron Frame, Wheel, Plate and Stem; Steel Riveted Axles.

- |                                                                                                                                                                                                                    | Per Single Dozen |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| No. 3389—Diameter of WHEEL 2¼ INCHES; Width of Wheel Face ¾ inch; Size of Plate 2¼x2¼ inches; Length of Stem 1½ inches; Diameter of Stem ¾ inch; Height over all 5½ inches; Weight per dozen about 19 lbs. ....    | \$3.00           |
| No. 5389—Diameter of WHEEL 4 INCHES; Width of Wheel Face 1¼ inches; Size of Plate 2¼x2¼ inches; Length of Stem 1¼ inches; Diameter of Stem 1¼ inches; Height over all 7¼ inches; Weight per dozen about 50 lbs.... | 5.10             |



STATIONARY.

- |                                                                                                                                                                                                                                   | Per Single Dozen |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| No. 3089—Natural Finish Cast Iron Frame, Wheel and Plate; Steel Riveted Axle; Diameter of WHEEL 3½ INCHES; Width of Wheel Face 1 inch; Size of Plate 3¼x3¼ inches; Height over all 4½ inches; Weight per dozen about 37 lbs. .... | \$4.10           |

Packed Loose.



## COAT AND HAT HOOKS.



### Japaned Steel Wire.

|                                                     | Per Gross |
|-----------------------------------------------------|-----------|
| No. 60—2½ inch; Weight per gross about 6 lbs. ....  | \$2.30    |
| No. 70—3 inch; Weight per gross about 9 lbs. ....   | 2.55      |
| No. 80—3½ inch; Weight per gross about 11 lbs. .... | 3.20      |

### Coppered Steel Wire.

|                                                      | Per Gross |
|------------------------------------------------------|-----------|
| No. 160—2½ inch; Weight per gross about 6 lbs. ....  | \$2.20    |
| No. 170—3 inch; Weight per gross about 9 lbs. ....   | 2.40      |
| No. 180—3½ inch; Weight per gross about 11 lbs. .... | 3.00      |

### Nickel Plated Steel Wire.

|                                                     | Per Gross |
|-----------------------------------------------------|-----------|
| No. 170N—3 inch; Weight per gross about 9 lbs. .... | \$4.50    |

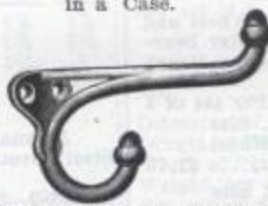
### Brass Plated Steel Wire.

|                                                       | Per Gross |
|-------------------------------------------------------|-----------|
| No. 1170—3 inch; Weight per gross about 9 lbs. ....   | \$4.00    |
| No. 1180—3½ inch; Weight per gross about 11 lbs. .... | 5.00      |

No. 60 and 160, One Gross in a Cardboard Box; Others One-half Gross in a Cardboard Box; Twelve Gross in a Case.



No. 578B—3½ inch; Weight per gross about 11 lbs. .... \$2.00



Copper Bronzed, Cast Iron.  
No. 89B—4 inch; Weight per gross about 36 lbs. .... \$2.25  
One-half Gross in a Box.



No. 923B—3 inch; Weight per gross about 16 lbs. .... \$2.75

## BRASS SCREW HOOKS.



No. 180, ¾ inch.



No. 180, 1 inch.

### Wrought Brass Cup.

#### No. 180—Polished and Lacquered.

| Inches .....               | 1/2    | 5/8  | 3/4   | 7/8   | 1    | 1 1/4 | 1 1/2 |
|----------------------------|--------|------|-------|-------|------|-------|-------|
| Wgt. gross abt., lbs. .... | 3/4    | 1    | 1 1/4 | 1 1/2 | 2    | 2 1/2 | 3     |
| Per gross .....            | \$3.75 | 3.85 | 4.00  | 4.50  | 5.25 | 9.00  | 11.00 |

One Gross in a Cardboard Box.



### Desk Hooks or Paper Files.

|                                                                                     | Per Gross |
|-------------------------------------------------------------------------------------|-----------|
| No. 191—2½x1½ inches; Wrought Brass; Brass Base; Weight per gross about 2 lbs. .... | \$8.00    |

### Wrought Brass Screws.

#### No. 2145—Brass Wire, Polished and Lacquered.

| Inches .....                      | 1/2    | 5/8  | 3/4   | 1     | 1 1/4 | 1 1/2 |
|-----------------------------------|--------|------|-------|-------|-------|-------|
| Weight per gross about, lbs. .... | 3/4    | 1    | 1 1/4 | 1 1/2 | 2     | 2 1/2 |
| Per gross .....                   | \$3.75 | 3.85 | 4.00  | 5.25  | 9.00  | 11.00 |

One-half Gross in a Cardboard Box.



No. 2145, 1 inch.

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**WIRE SCREW HOOKS.**

Cuts Full Size.




Per Gross  
No. 11 —BRIGHT ..... \$1.80  
No. 1014—BRASS ..... 3.25  
 Weight per Gross about  $\frac{1}{2}$  lb.



Per Gross  
No. 13 —BRIGHT ..... \$1.90  
No. 1013—BRASS ..... 4.25  
 Weight per Gross about  $\frac{1}{2}$  lb.



Per Gross  
No. 12 —BRIGHT ..... \$2.00  
No. 1012—BRASS ..... 5.50  
 Weight per Gross about  $\frac{3}{4}$  lb.



Per Gross  
No. 11 —BRIGHT ..... \$2.20  
No. 1011—BRASS ..... 7.50  
 Weight per Gross about 1 lb.



Per Gross  
No. 10 —BRIGHT ..... \$2.40  
No. 1010—BRASS ..... 9.50  
 Weight per Gross about  $1\frac{1}{4}$  lbs.



Per Gross  
No. 9 —BRIGHT ..... \$2.80  
No. 1009—BRASS ..... 12.00  
 Weight per Gross about  $1\frac{1}{2}$  lbs.



Per Gross  
No. 8 —BRIGHT ..... \$3.50  
No. 1008—BRASS ..... 15.00  
 Weight per Gross about 2 lbs.



Per Gross  
No. 7—BRIGHT; Weight per gross about 3 lbs... \$4.00

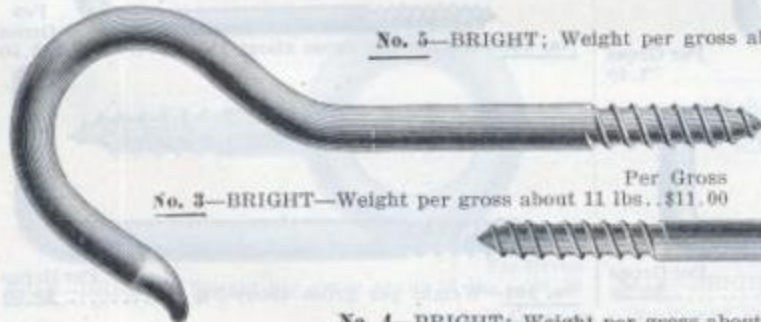
One Gross in a Cardboard Box.



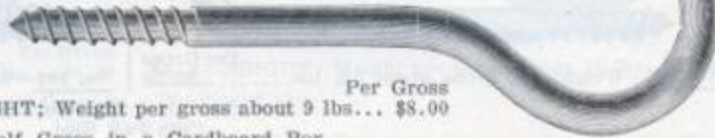
Per Gross  
No. 6—BRIGHT; Weight per gross about 6 lbs... \$5.50



Per Gross  
No. 5—BRIGHT; Weight per gross about 7 lbs... \$6.50



Per Gross  
No. 3—BRIGHT—Weight per gross about 11 lbs... \$11.00



Per Gross  
No. 4—BRIGHT; Weight per gross about 9 lbs... \$8.00  
 One-half Gross in a Cardboard Box.

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**BRIGHT WIRE SCREW HOOKS.**

**No. 2**—Weight per gross  
about 13 lbs. .... \$13.00



**No. 1**—Weight per gross  
about 16 lbs. .... \$15.50  
One-half Gross in a Cardboard Box.



**No. 6**—Weight per gross  
about 20 lbs. .... \$18.00



**No. 114**—Weight per gross about  $\frac{1}{4}$  lb. .... \$1.80



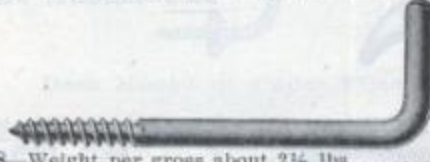
**No. 110**—Weight per gross about  $1\frac{1}{2}$  lbs. .... \$2.40



**No. 106**—Weight per gross about  $3\frac{3}{4}$  lbs. .... \$5.50



**No. 112**—Weight per gross about  $\frac{1}{2}$  lb. .... \$2.00



**No. 108**—Weight per gross about  $2\frac{1}{2}$  lbs. .... \$3.50



**No. 104**—Weight per gross about 5  $\frac{1}{4}$  lbs. .... \$8.00

One Gross in a Cardboard Box.  
Cuts Full Size.

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## WIRE SCREW EYES.



|                                          |                                     |                                     |                                     |
|------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Per Gross<br>No. 14—BRIGHT ..\$1.30      | Per Gross<br>No. 13—BRIGHT ..\$1.40 | Per Gross<br>No. 12—BRIGHT ..\$1.50 | Per Gross<br>No. 11—BRIGHT ..\$1.75 |
| No. 1014—BRASS ... 3.00                  | No. 1013—BRASS ... 3.50             | No. 1012—BRASS ... 4.50             | No. 1011—BRASS ... 6.50             |
| Weight per Gross about $\frac{1}{2}$ lb. |                                     | Weight per Gross about 1 lb.        |                                     |



|                                            |                                            |                                        |
|--------------------------------------------|--------------------------------------------|----------------------------------------|
| Per Gross<br>No. 10—BRIGHT ..... \$2.00    | Per Gross<br>No. 9—BRIGHT ..... \$2.25     | Per Gross<br>No. 8—BRIGHT ..... \$2.50 |
| No. 1010—BRASS ..... 8.00                  | No. 1009—BRASS ..... 10.00                 | No. 1008—BRASS ..... 12.00             |
| Weight per Gross about $1\frac{1}{4}$ lbs. | Weight per Gross about $2\frac{1}{4}$ lbs. | Weight per Gross about 3 lbs.          |



|                                                                        |                                                                        |                                                                        |
|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| Per Gross<br>No. 7—BRIGHT; Weight per<br>gross about 5 lbs..... \$3.00 | Per Gross<br>No. 6—BRIGHT; Weight per<br>gross about 6 lbs..... \$3.50 | Per Gross<br>No. 5—BRIGHT; Weight per<br>gross about 7 lbs..... \$4.50 |
|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|



|                                                                   |                                                                   |
|-------------------------------------------------------------------|-------------------------------------------------------------------|
| Per Gross<br>No. 4—BRIGHT; Weight per gross about 9 lbs... \$5.50 | Per Gross<br>No. 3—BRIGHT; Weight per gross about 11 lbs.. \$7.00 |
| One Gross in a Cardboard Box.                                     |                                                                   |



|                                                                   |                                                                    |
|-------------------------------------------------------------------|--------------------------------------------------------------------|
| Per Gross<br>No. 2—BRIGHT; Weight per gross about 13 lbs.. \$8.50 | Per Gross<br>No. 1—BRIGHT; Weight per gross about 16 lbs.. \$11.00 |
| One-half Gross in a Cardboard Box.<br>Cuts Full Size.             |                                                                    |

## BRIGHT WIRE SCREW EYES.

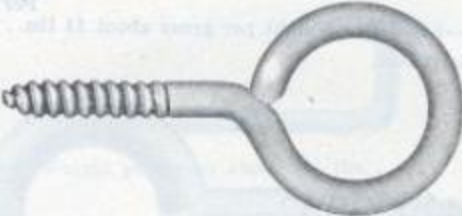


|                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |
| Per Gross<br>No. 114—Weight<br>per gross<br>about ½ lb..\$1.20                    | Per Gross<br>No. 113—Weight<br>per gross<br>about ½ lb..\$1.20                    | Per Gross<br>No. 112—Weight<br>per gross<br>about ¾ lb..\$1.40                    | Per Gross<br>No. 111—Weight<br>per gross<br>about 1 lb..\$1.60                     | Per Gross<br>No. 110—Weight<br>per gross<br>about 1 ¼ lbs.\$1.80                    |

|                                                                                   |                                                                                   |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| Per Gross<br>No. 109—Weight per gross<br>about 1 ¼ lbs.....\$2.00                 | Per Gross<br>No. 108—Weight per gross<br>about 2 lbs.....\$2.30                   | Per Gross<br>No. 107—Weight per gross<br>about 2 ½ lbs.....\$2.75                   |

|                                                                                   |                                                                                   |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| Per Gross<br>No. 106—Weight per gross<br>about 3 ¼ lbs.....\$3.25                 | Per Gross<br>No. 105—Weight per gross<br>about 4 lbs.....\$4.00                   | Per Gross<br>No. 104—Weight per gross<br>about 5 lbs.....\$5.00                     |

|                                                                                     |
|-------------------------------------------------------------------------------------|
|  |
| No. 12 ½—MOSQUITO; Weight per gross about 6 lbs.....\$7.80                          |

|                                                                                                            |                                                                                                                               |
|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
|                         |                                           |
| Straight.<br>No. 406—No. 5 Wire; Diameter of Eye ¾ inch, Inside; Weight per Gross about 6 ¼ lbs.....\$7.20 | Bent.<br>No. 0406—No. 6 Wire; Extreme Length 2 ¾ inches; Diameter of Opening, ¾ inch; Weight per gross about 7 lbs.....\$8.70 |

One Gross in a Cardboard Box.

Cuts Full Size.

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**WIRE SCREW EYES.**


No. 214 1/2—BRIGHT ..... Per Gross \$1.10



No. 214—BRIGHT ..... Per Gross \$1.10  
No. 1214—BRASS ..... 3.00  
Weight per Gross about 1 lb.



No. 213—BRIGHT ..... Per Gross \$1.20  
No. 1213—BRASS ..... 3.00



No. 212—BRIGHT ..... Per Gross \$1.30  
No. 1212—BRASS ..... 3.75



No. 211—BRIGHT ..... Per Gross \$1.40  
No. 1211—BRASS ..... 5.25



No. 210—BRIGHT ..... Per Gross \$1.70  
No. 1210—BRASS ..... 6.00  
Weight per Gross about 1 1/2 lbs.



No. 209—BRIGHT ..... Per Gross \$1.90  
No. 1209—BRASS ..... 7.00  
Weight per Gross about 1 1/2 lbs.



No. 208—BRIGHT ..... Per Gross \$2.20  
No. 1208—BRASS ..... 9.00



No. 207—BRIGHT ..... Per Gross \$2.50



No. 206—BRIGHT; Weight per gross about 2 1/2 lbs ..... Per Gross \$3.00

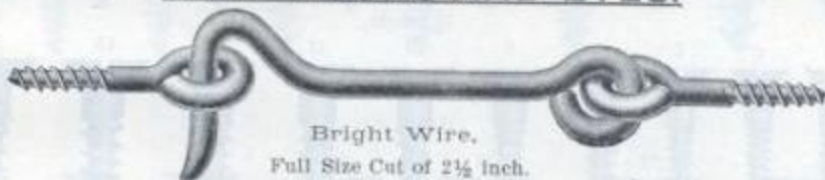


No. 205—BRIGHT; Weight per gross about 4 1/2 lbs ..... Per Gross \$3.50



No. 204—BRIGHT; Weight per gross about 3 1/2 lbs ..... Per Gross \$4.50

One Gross in a Cardboard Box. Cuts Full Size.

**GATE HOOKS AND EYES.**

Bright Wire.

Full Size Cut of 2 1/2 inch.

| Nos.                         | 1 1/2 BW | 2 BW | 2 1/2 BW | 3 BW  | 3 1/2 BW | 4 BW  | 4 1/2 BW | 5 BW  | 6 BW  |
|------------------------------|----------|------|----------|-------|----------|-------|----------|-------|-------|
| Inches                       | 1 1/2    | 2    | 2 1/2    | 3     | 3 1/2    | 4     | 4 1/2    | 5     | 6     |
| Weight per gross about, lbs. | 3 1/2    | 5    | 6 1/2    | 8     | 10       | 12    | 15       | 17    | 20    |
| Per gross                    | \$6.00   | 7.50 | 8.50     | 10.00 | 12.50    | 13.50 | 17.00    | 20.00 | 25.00 |

Brass Wire.

| Nos.                         | 1 1/2 B | 2 B   | 2 1/2 B | 3 B   | 3 1/2 B | 4 B   |
|------------------------------|---------|-------|---------|-------|---------|-------|
| Inches                       | 1 1/2   | 2     | 2 1/2   | 3     | 3 1/2   | 4     |
| Weight per gross about, lbs. | 3 1/2   | 5     | 6 1/2   | 8     | 10      | 12    |
| Per gross                    | \$21.00 | 27.00 | 34.00   | 46.00 | 58.00   | 61.50 |

One-half Gross in a Cardboard Box.

**HAND RAIL SCREWS.**

Wrought Iron.



No. 156—1 Nut; 4 1/2 x 7/16 inch; Weight per gross about 16 lbs. .... Per Gross \$10.00

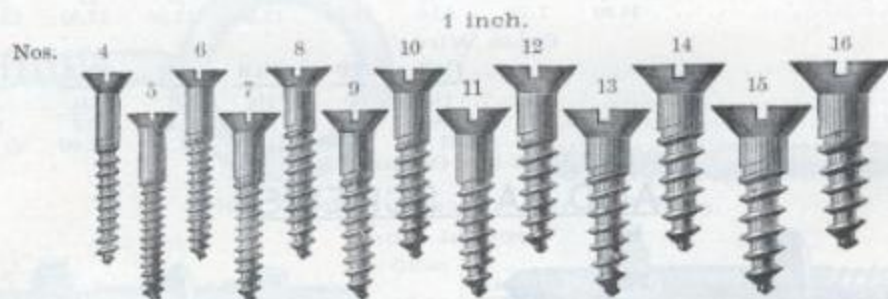
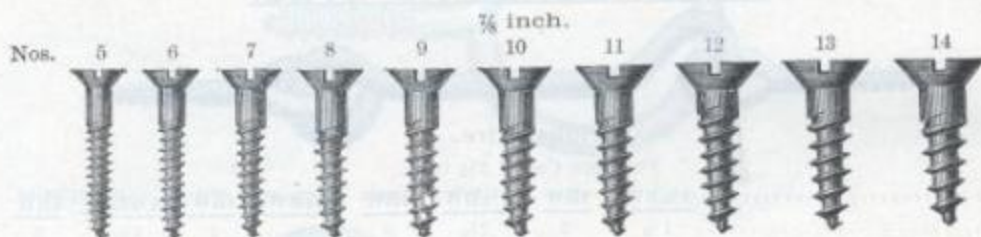
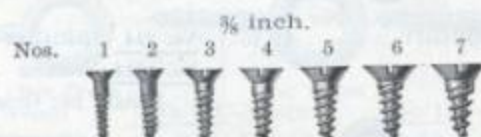
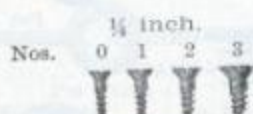


No. 256—2 Nuts; 4 1/2 x 7/16 inch; Weight per gross about 24 lbs. .... Per Gross \$11.25

One-quarter Gross in a Cardboard Box.



# SCREWS.



For Price List See Pages 1567 and 1568.

Cuts Full Size.

—1563—

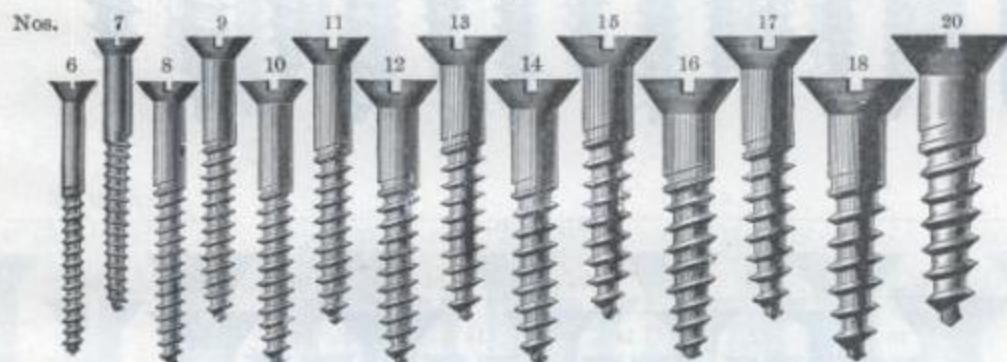


# SCREWS.

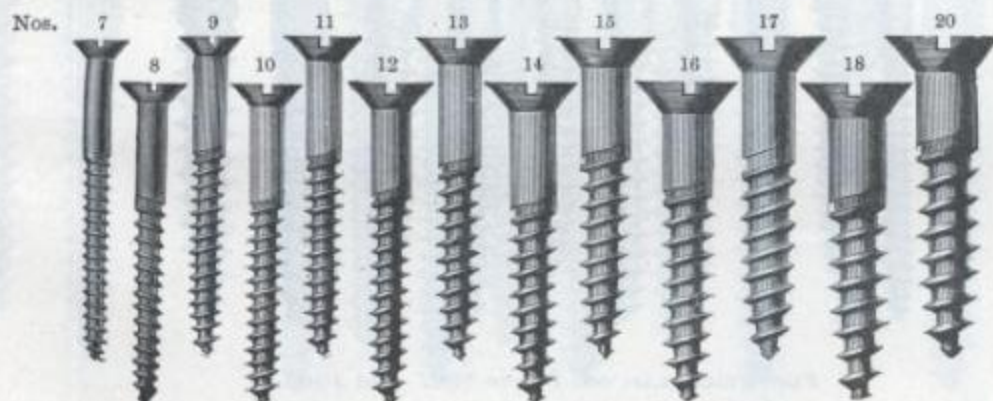
1 1/4 inch.



1 1/2 inch.



1 3/4 inch.



For Price List see Pages 1567 and 1568.

Cuts Full Size.



# SCREWS.

2 inch.



2 1/4 inch.



For Price List see Pages 1567 and 1568.

Cuts Full Size.

- 1565 -



## SCREWS.

2 1/4 inch.



2 3/4 inch.

3 inch.



For Price List see Pages 1567 and 1568.

Cuts Full Size.

— 1566 —

# SCREWS.

3½ inch.

Nos. 14



16



18



20



22



24



4 inch.

Nos. 16



18



20



22



24



For Price List see Pages 1567 and 1568.  
Cuts Full Size.

-1567-

## PRICE LIST OF IRON SCREWS.

Flat Head; Bright. Adopted July 22d, 1903.

| No.              | Per Gro. | No.                | Per Gro. | No.                | Per Gro. | No.                | Per Gro. | No.                | Per Gro. | No.                | Per Gro. |
|------------------|----------|--------------------|----------|--------------------|----------|--------------------|----------|--------------------|----------|--------------------|----------|
| <u>3/4 inch.</u> |          | <u>3/4 inch.</u>   |          | <u>1 inch.</u>     |          | <u>1 1/4 inch.</u> |          | <u>2 1/4 inch.</u> |          | <u>3 1/2 inch.</u> |          |
| 0.....           | \$0.72   | 2.....             | \$0.72   | 14.....            | \$1.70   | 6.....             | \$1.35   | 20.....            | \$5.30   | 10.....            | \$4.10   |
| 1.....           | .72      | 3.....             | .75      | 15.....            | 2.00     | 7.....             | 1.45     | 22.....            | 6.10     | 11.....            | 4.20     |
| 2.....           | .72      | 4.....             | .78      | 16.....            | 2.50     | 8.....             | 1.50     | 24.....            | 6.90     | 12.....            | 4.30     |
| 3.....           | .72      | 5.....             | .82      | 17.....            | 2.70     | 9.....             | 1.55     | <u>2 1/2 inch.</u> |          | 13.....            | 4.40     |
| 4.....           | .72      | 6.....             | .85      | 18.....            | 2.80     | 10.....            | 1.60     | 8.....             | \$2.20   | 14.....            | 4.50     |
| <u>5/8 inch.</u> |          | 7.....             | .90      | 20.....            | 3.50     | 11.....            | 1.70     | 9.....             | 2.30     | 15.....            | 4.75     |
| 0.....           | \$0.72   | 8.....             | .95      | <u>1 1/2 inch.</u> |          | 12.....            | 1.80     | 10.....            | 2.40     | 16.....            | 4.95     |
| 1.....           | .72      | 9.....             | 1.00     | 4.....             | \$0.92   | 13.....            | 2.00     | 11.....            | 2.50     | 17.....            | 5.40     |
| 2.....           | .72      | 10.....            | 1.10     | 5.....             | .98      | 14.....            | 2.25     | 12.....            | 2.60     | 18.....            | 6.15     |
| 3.....           | .72      | 11.....            | 1.15     | 6.....             | 1.05     | 15.....            | 2.60     | 13.....            | 2.70     | 20.....            | 7.30     |
| 4.....           | .72      | 12.....            | 1.25     | 7.....             | 1.10     | 16.....            | 2.90     | 14.....            | 2.90     | 22.....            | 8.70     |
| 5.....           | .75      | 13.....            | 1.35     | 8.....             | 1.15     | 17.....            | 3.50     | 15.....            | 3.30     | 24.....            | 10.20    |
| 6.....           | .78      | 14.....            | 1.50     | 9.....             | 1.20     | 18.....            | 4.00     | 16.....            | 3.65     | 26.....            | 12.00    |
| 7.....           | .82      | 15.....            | 1.65     | 10.....            | 1.30     | 20.....            | 4.50     | 17.....            | 4.20     | <u>4 inch.</u>     |          |
| 8.....           | .88      | 16.....            | 1.80     | 11.....            | 1.40     | 22.....            | 5.20     | 18.....            | 4.70     | 12.....            | \$5.40   |
| 9.....           | .94      | <u>3/4 inch.</u>   |          | 12.....            | 1.55     | 24.....            | 6.00     | 20.....            | 5.80     | 14.....            | 5.90     |
| <u>1/2 inch.</u> |          | 2.....             | \$0.74   | 13.....            | 1.70     | <u>2 inch.</u>     |          | 22.....            | 6.70     | 16.....            | 6.50     |
| 1.....           | \$0.72   | 3.....             | .78      | 14.....            | 1.90     | 6.....             | \$1.50   | 24.....            | 7.50     | 18.....            | 7.60     |
| 2.....           | .72      | 4.....             | .82      | 15.....            | 2.15     | 7.....             | 1.55     | <u>2 1/2 inch.</u> |          | 20.....            | 8.60     |
| 3.....           | .72      | 5.....             | .85      | 16.....            | 2.50     | 8.....             | 1.60     | 10.....            | \$2.90   | 22.....            | 9.70     |
| 4.....           | .75      | 6.....             | .90      | 17.....            | 2.75     | 9.....             | 1.65     | 11.....            | 3.00     | 24.....            | 11.20    |
| 5.....           | .78      | 7.....             | .94      | 18.....            | 3.30     | 10.....            | 1.75     | 12.....            | 3.10     | 26.....            | 14.00    |
| 6.....           | .80      | 8.....             | 1.00     | 20.....            | 4.00     | 11.....            | 1.85     | 13.....            | 3.20     | <u>4 1/2 inch.</u> |          |
| 7.....           | .84      | 9.....             | 1.05     | 22.....            | 4.80     | 12.....            | 2.00     | 14.....            | 3.30     | 16.....            | \$8.15   |
| 8.....           | .90      | 10.....            | 1.15     | 24.....            | 5.40     | 13.....            | 2.20     | 15.....            | 3.60     | 18.....            | 9.15     |
| 9.....           | .96      | 11.....            | 1.25     | <u>1 3/4 inch.</u> |          | 14.....            | 2.45     | 16.....            | 3.90     | 20.....            | 9.85     |
| 10.....          | 1.05     | 12.....            | 1.35     | 4.....             | \$1.05   | 15.....            | 2.75     | 17.....            | 4.50     | 22.....            | 11.20    |
| 11.....          | 1.10     | 13.....            | 1.45     | 5.....             | 1.10     | 16.....            | 3.10     | 18.....            | 5.00     | 24.....            | 13.50    |
| 12.....          | 1.20     | 14.....            | 1.55     | 6.....             | 1.15     | 17.....            | 3.70     | 20.....            | 6.10     | 26.....            | 16.00    |
| <u>3/4 inch.</u> |          | 15.....            | 1.75     | 7.....             | 1.20     | 18.....            | 4.20     | 22.....            | 7.20     | <u>5 inch.</u>     |          |
| 1.....           | \$0.72   | 16.....            | 2.00     | 8.....             | 1.30     | 20.....            | 4.80     | 24.....            | 8.50     | 18.....            | \$11.00  |
| 2.....           | .72      | <u>1 inch.</u>     |          | 9.....             | 1.35     | 22.....            | 5.50     | <u>3 inch.</u>     |          | 20.....            | 11.50    |
| 3.....           | .72      | 3.....             | \$0.80   | 10.....            | 1.40     | 24.....            | 6.40     | 10.....            | \$3.15   | 22.....            | 13.00    |
| 4.....           | .75      | 4.....             | .84      | 11.....            | 1.50     | <u>2 1/2 inch.</u> |          | 11.....            | 3.20     | 24.....            | 15.00    |
| 5.....           | .78      | 5.....             | .87      | 12.....            | 1.65     | 8.....             | \$1.75   | 12.....            | 3.30     | 26.....            | 18.00    |
| 6.....           | .82      | 6.....             | .92      | 13.....            | 1.80     | 9.....             | 1.85     | 13.....            | 3.40     | 28.....            | 21.00    |
| 7.....           | .86      | 7.....             | .98      | 14.....            | 2.00     | 10.....            | 1.95     | 14.....            | 3.50     | <u>6 inch.</u>     |          |
| 8.....           | .92      | 8.....             | 1.05     | 15.....            | 2.35     | 11.....            | 2.05     | 15.....            | 3.80     | 20.....            | \$16.00  |
| 9.....           | .98      | 9.....             | 1.10     | 16.....            | 2.80     | 12.....            | 2.20     | 16.....            | 4.20     | 22.....            | 18.00    |
| 10.....          | 1.07     | 10.....            | 1.20     | 17.....            | 3.20     | 13.....            | 2.35     | 17.....            | 4.80     | 24.....            | 20.00    |
| 11.....          | 1.12     | 11.....            | 1.30     | 18.....            | 3.80     | 14.....            | 2.65     | 18.....            | 5.50     | 26.....            | 23.00    |
| 12.....          | 1.20     | 12.....            | 1.40     | 20.....            | 4.30     | 15.....            | 3.10     | 20.....            | 6.50     | 28.....            | 27.00    |
| 13.....          | 1.25     | 13.....            | 1.60     | 22.....            | 5.10     | 16.....            | 3.50     | 22.....            | 7.50     | 30.....            | 30.50    |
| 14.....          | 1.30     | <u>1 1/4 inch.</u> |          | 24.....            | 5.90     | 17.....            | 3.85     | 24.....            | 8.70     |                    |          |
|                  |          | <u>1 1/2 inch.</u> |          |                    |          | 18.....            | 4.55     | 26.....            | 10.50    |                    |          |

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### PRICE LIST OF BRASS SCREWS.

Flat and Round Head. Adopted July 22d, 1903.

| Gross in a Package |   | No.                 | Per Gro. | Gross in a Package |   | No.                  | Per Gro. | Gross in a Package |   | No.                  | Per Gro. | Gross in a Package |   | No.                  | Per Gro. |   |   |      |         |
|--------------------|---|---------------------|----------|--------------------|---|----------------------|----------|--------------------|---|----------------------|----------|--------------------|---|----------------------|----------|---|---|------|---------|
|                    |   | $\frac{1}{4}$ inch. |          |                    |   | $\frac{3}{4}$ inch.  |          |                    |   | $1\frac{1}{2}$ inch. |          |                    |   | $2\frac{1}{4}$ inch. |          |   |   |      |         |
| 10                 | { | ± 0                 | \$0.84   | 10                 | { | ± 2                  | \$1.12   | 10                 | { | 9                    | \$2.80   | 5                  | { | ± 15                 | \$7.60   | 5 | { | ± 8  | \$ 6.88 |
|                    |   | ± 1                 | .84      |                    |   | 3                    | 1.18     |                    |   | 10                   | 3.15     |                    |   | ± 16                 | 8.35     |   |   | ± 9  | 6.95    |
|                    |   | ± 2                 | .88      |                    |   | 4                    | 1.25     |                    |   | 11                   | 3.65     |                    |   | ± 17                 | 9.15     |   |   | ± 10 | 7.05    |
|                    |   | ± 3                 | .92      |                    |   | 5                    | 1.40     |                    |   | 12                   | 4.10     |                    |   | ± 18                 | 10.85    |   |   | ± 11 | 7.25    |
|                    |   | ± 4                 | .97      |                    |   | 6                    | 1.55     |                    |   | 13                   | 4.55     |                    |   | ± 20                 | 12.65    |   |   | ± 12 | 7.90    |
|                    |   | $\frac{3}{8}$ inch. |          |                    |   | $1$ inch.            |          |                    |   | $1\frac{3}{4}$ inch. |          |                    |   | $1\frac{1}{2}$ inch. |          |   |   |      |         |
| 10                 | { | ± 0                 | \$0.84   | 10                 | { | ± 7                  | 1.75     | 5                  | { | ± 6                  | \$ 3.95  | 10                 | { | ± 6                  | \$ 3.95  | 1 | { | ± 14 | 9.80    |
|                    |   | ± 1                 | .87      |                    |   | 8                    | 2.00     |                    |   | ± 7                  | 4.00     |                    |   | ± 15                 | 10.75    |   |   | ± 15 | 10.75   |
|                    |   | ± 2                 | .92      |                    |   | 9                    | 2.30     |                    |   | ± 8                  | 4.10     |                    |   | ± 16                 | 11.90    |   |   | ± 16 | 11.90   |
|                    |   | ± 3                 | .97      |                    |   | 10                   | 2.65     |                    |   | ± 9                  | 4.20     |                    |   | ± 17                 | 13.00    |   |   | ± 17 | 13.00   |
|                    |   | ± 4                 | 1.04     |                    |   | 11                   | 3.00     |                    |   | ± 10                 | 4.70     |                    |   | ± 18                 | 15.40    |   |   | ± 18 | 15.40   |
| 10                 | { | ± 5                 | 1.12     | 10                 | { | ± 12                 | 3.35     | 5                  | { | ± 11                 | 5.35     | 1                  | { | ± 20                 | 18.00    | 1 | { | ± 22 | 20.95   |
|                    |   | ± 6                 | 1.20     |                    |   | 13                   | 3.70     |                    |   | ± 12                 | 6.05     |                    |   | ± 22                 | 20.95    |   |   |      |         |
|                    |   | ± 7                 | 1.35     |                    |   | 14                   | 4.10     |                    |   | ± 13                 | 6.70     |                    |   | ± 22                 | 20.95    |   |   |      |         |
|                    |   | ± 8                 | 1.45     |                    |   | 15                   | 4.55     |                    |   | ± 14                 | 7.35     |                    |   | ± 22                 | 20.95    |   |   |      |         |
|                    |   | ± 9                 | 1.60     |                    |   | 16                   | 5.05     |                    |   | ± 15                 | 8.65     |                    |   | ± 22                 | 20.95    |   |   |      |         |
|                    |   | $\frac{1}{2}$ inch. |          |                    |   | $1\frac{1}{2}$ inch. |          |                    |   | $2$ inch.            |          |                    |   | $3$ inch.            |          |   |   |      |         |
| 10                 | { | ± 1                 | \$0.92   | 10                 | { | ± 2                  | \$1.40   | 5                  | { | ± 6                  | \$ 5.15  | 1                  | { | ± 10                 | \$13.70  | 1 | { | ± 10 | \$13.70 |
|                    |   | ± 2                 | .96      |                    |   | 3                    | 1.50     |                    |   | ± 7                  | 5.20     |                    |   | ± 11                 | 13.85    |   |   | ± 11 | 13.85   |
|                    |   | ± 3                 | 1.02     |                    |   | 4                    | 1.55     |                    |   | ± 8                  | 5.25     |                    |   | ± 12                 | 14.00    |   |   | ± 12 | 14.00   |
|                    |   | ± 4                 | 1.08     |                    |   | 5                    | 1.60     |                    |   | ± 9                  | 5.30     |                    |   | ± 13                 | 14.10    |   |   | ± 13 | 14.10   |
|                    |   | ± 5                 | 1.20     |                    |   | 6                    | 1.65     |                    |   | ± 10                 | 5.40     |                    |   | ± 14                 | 14.30    |   |   | ± 14 | 14.30   |
| 10                 | { | ± 6                 | 1.30     | 10                 | { | ± 7                  | 1.90     | 5                  | { | ± 11                 | 6.15     | 1                  | { | ± 15                 | 14.60    | 1 | { | ± 15 | 14.60   |
|                    |   | ± 7                 | 1.45     |                    |   | 8                    | 2.20     |                    |   | ± 12                 | 6.85     |                    |   | ± 16                 | 15.40    |   |   | ± 16 | 15.40   |
|                    |   | ± 8                 | 1.65     |                    |   | 9                    | 2.50     |                    |   | ± 13                 | 7.55     |                    |   | ± 17                 | 19.95    |   |   | ± 17 | 19.95   |
|                    |   | ± 9                 | 1.90     |                    |   | 10                   | 2.90     |                    |   | ± 14                 | 8.45     |                    |   | ± 18                 | 23.40    |   |   | ± 18 | 23.40   |
|                    |   | ± 10                | 2.15     |                    |   | 11                   | 3.35     |                    |   | ± 15                 | 9.75     |                    |   | ± 20                 | 27.10    |   |   | ± 20 | 27.10   |
|                    |   | $\frac{3}{8}$ inch. |          |                    |   | $1$ inch.            |          |                    |   | $2$ inch.            |          |                    |   | $3$ inch.            |          |   |   |      |         |
| 10                 | { | ± 2                 | \$1.00   | 10                 | { | ± 12                 | 3.70     | 5                  | { | ± 16                 | 10.80    | 1                  | { | ± 22                 | 25.50    | 1 | { | ± 24 | 25.50   |
|                    |   | ± 3                 | 1.08     |                    |   | 13                   | 4.10     |                    |   | ± 17                 | 11.70    |                    |   | ± 23                 | 26.00    |   |   | ± 23 | 26.00   |
|                    |   | ± 4                 | 1.15     |                    |   | 14                   | 4.55     |                    |   | ± 18                 | 12.40    |                    |   | ± 24                 | 26       |   |   |      |         |

Approximate Weight per Gross of the Largest Selling Sizes of Wood Screws.

| Approximate Weight per Gross of the Largest Sizing |      |                |                |      |               |                |      |                 |                |      |                |
|----------------------------------------------------|------|----------------|----------------|------|---------------|----------------|------|-----------------|----------------|------|----------------|
| Inches.                                            | Nos. | Pounds.        | Inches.        | Nos. | Pounds.       | Inches.        | Nos. | Pounds.         | Inches.        | Nos. | Pounds.        |
| $\frac{1}{8}$                                      | 2    | $\frac{1}{16}$ | $\frac{3}{8}$  | 12   | 1             | $1\frac{1}{8}$ | 14   | 2               | 2              | 10   | $1\frac{1}{2}$ |
| $\frac{1}{4}$                                      | 3    | $\frac{1}{8}$  | $\frac{1}{2}$  | 8    | $\frac{1}{2}$ | $1\frac{1}{2}$ | 10   | $1\frac{1}{2}$  | 2              | 16   | $3\frac{1}{2}$ |
| $\frac{3}{8}$                                      | 4    | $\frac{1}{5}$  | 1              | 6    | $\frac{1}{2}$ | $1\frac{3}{8}$ | 16   | 2               | $2\frac{1}{4}$ | 12   | $2\frac{1}{2}$ |
| $\frac{1}{2}$                                      | 3    | $\frac{1}{5}$  | $\frac{3}{4}$  | 1    | $\frac{3}{4}$ | $1\frac{3}{4}$ | 8    | $1\frac{1}{16}$ | $2\frac{1}{2}$ | 8    | $1\frac{1}{2}$ |
| $\frac{5}{8}$                                      | 5    | $\frac{3}{4}$  | 1              | 9    | $\frac{1}{2}$ | $1\frac{1}{2}$ | 14   | $2\frac{1}{2}$  | $2\frac{1}{2}$ | 14   | $3\frac{1}{2}$ |
| $\frac{3}{4}$                                      | 8    | $\frac{1}{2}$  | $1\frac{1}{4}$ | 9    | 1             | $1\frac{1}{2}$ | 14   | $2\frac{1}{2}$  | $2\frac{1}{2}$ | 14   | $3\frac{1}{2}$ |

NOTE.—The above weights are of very Good Sellers; for weights of sizes not mentioned above, figure a basis of nearest size given.

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## IRON SCREWS.

Round Head, Blued.



| <u>1/2 inch.</u>   |           | <u>1 inch.</u>     |           | <u>1 1/2 inch.</u> |           |
|--------------------|-----------|--------------------|-----------|--------------------|-----------|
| Nos.               | Per Gross | Nos.               | Per Gross | Nos.               | Per Gross |
| 3                  | \$0.72    | 5                  | \$0.87    | 7                  | \$1.45    |
| <u>3/4 inch.</u>   |           | 6                  | .92       | 8                  | 1.50      |
| 3                  | .72       | 7                  | .98       | 9                  | 1.55      |
| 6                  | .80       | 8                  | 1.05      | 10                 | 1.60      |
| <u>7/8 inch.</u>   |           | 9                  | 1.10      | 11                 | 1.70      |
| 4                  | .75       | 10                 | 1.20      | 12                 | 1.80      |
| 5                  | .78       | 11                 | 1.30      | 14                 | 2.25      |
| 6                  | .82       | 12                 | 1.40      | <u>2 inch.</u>     |           |
| <u>1 1/4 inch.</u> |           | <u>1 1/2 inch.</u> |           | 8                  | 1.60      |
| 5                  | .82       | 6                  | 1.05      | 10                 | 1.75      |
| 6                  | .85       | 7                  | 1.10      | 12                 | 2.00      |
| 7                  | .90       | 8                  | 1.15      | 14                 | 2.45      |
| 8                  | .95       | 9                  | 1.20      | <u>2 1/2 inch.</u> |           |
| 9                  | 1.00      | 10                 | 1.30      | 8                  | 2.20      |
| 10                 | 1.10      | 11                 | 1.40      | 10                 | 2.40      |
| <u>7/8 inch.</u>   |           | 12                 | 1.55      | 12                 | 2.60      |
| 6                  | .90       | 14                 | 1.90      | 14                 | 2.90      |
| 7                  | .94       | <u>1 1/2 inch.</u> |           | 16                 | 3.65      |
| 8                  | 1.00      | 7                  | 1.20      | <u>3 inch.</u>     |           |
| 9                  | 1.05      | 8                  | 1.30      | 8                  | 2.20      |
| 10                 | 1.15      | 9                  | 1.35      | 10                 | 2.40      |
|                    |           | 10                 | 1.40      | 12                 | 2.60      |
|                    |           | 11                 | 1.50      | 14                 | 2.90      |
|                    |           | 12                 | 1.65      |                    |           |
|                    |           | 14                 | 2.00      |                    |           |

Round Head, Nickel Plated.



| <u>½ inch.</u> |             | <u>¾ inch.</u>  |             | <u>1½ inch.</u> |             |
|----------------|-------------|-----------------|-------------|-----------------|-------------|
| Nos.           | Per Gross   | Nos.            | Per Gross   | Nos.            | Per Gross   |
| <u>4</u>       | .....\$0.75 | <u>6</u>        | .....\$0.90 | <u>8</u>        | .....\$1.30 |
| <u>5</u>       | ......78    | <u>7</u>        | ......94    | <u>9</u>        | .....1.35   |
| <u>6</u>       | ......80    | <u>8</u>        | .....1.00   | <u>10</u>       | .....1.40   |
| <u>¾ inch.</u> |             | <u>9</u>        | .....1.05   | <u>11</u>       | .....1.50   |
| <u>4</u>       | ......75    | <u>10</u>       | .....1.15   | <u>12</u>       | .....1.65   |
| <u>5</u>       | ......78    | <u>1 inch.</u>  |             | <u>1¾ inch.</u> |             |
| <u>6</u>       | ......82    | <u>6</u>        | ......92    | <u>8</u>        | .....1.50   |
| <u>7</u>       | ......86    | <u>7</u>        | ......98    | <u>9</u>        | .....1.55   |
| <u>8</u>       | ......92    | <u>8</u>        | .....1.05   | <u>10</u>       | .....1.60   |
| <u>¾ inch.</u> |             | <u>9</u>        | .....1.10   | <u>11</u>       | .....1.70   |
| <u>5</u>       | ......82    | <u>10</u>       | .....1.20   | <u>12</u>       | .....1.80   |
| <u>6</u>       | ......85    | <u>1¼ inch.</u> |             | <u>2 inch.</u>  |             |
| <u>7</u>       | ......90    | <u>7</u>        | .....1.10   | <u>9</u>        | .....1.65   |
| <u>8</u>       | ......95    | <u>8</u>        | .....1.15   | <u>10</u>       | .....1.75   |
| <u>9</u>       | .....1.00   | <u>9</u>        | .....1.20   | <u>11</u>       | .....1.85   |
| <u>10</u>      | .....1.10   | <u>10</u>       | .....1.30   | <u>12</u>       | .....2.00   |
|                |             | <u>11</u>       | .....1.40   | <u>14</u>       | .....2.45   |
|                |             | <u>12</u>       | .....1.55   | <u>16</u>       | .....3.10   |

## BRASS SCREWS.

Oval Head.

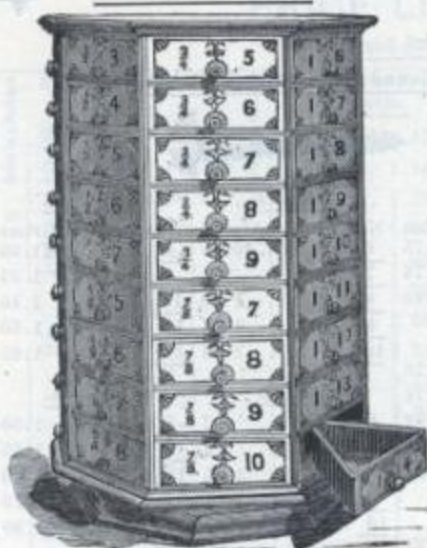


Prices Adopted July 22d, 1903.

| <u>1/2 inch.</u> |           | <u>3/4 inch.</u>   |           | <u>1 1/2 inch.</u> |           |
|------------------|-----------|--------------------|-----------|--------------------|-----------|
| Nos.             | Per Gross | Nos.               | Per Gross | Nos.               | Per Gross |
| 2                | \$0.96    | 6                  | \$1.65    | 8                  | \$3.30    |
| 4                | 1.08      | 8                  | 2.20      | 10                 | 4.25      |
| 5                | 1.20      | 10                 | 2.90      | 12                 | 5.35      |
| 6                | 1.30      | <u>1 inch.</u>     |           | <u>1 1/4 inch.</u> |           |
| 8                | 1.65      | 5                  | 1.75      | 8                  | 4.10      |
| <u>5/8 inch.</u> |           | 6                  | 1.80      | 10                 | 4.70      |
| 4                | 1.15      | 8                  | 2.45      | 12                 | 6.05      |
| 5                | 1.30      | 10                 | 3.15      | 14                 | 7.35      |
| 6                | 1.40      | 12                 | 4.10      | <u>2 inch.</u>     |           |
| 8                | 1.85      | <u>1 1/4 inch.</u> |           | 8                  | 5.25      |
| <u>3/4 inch.</u> |           | 5                  | 2.25      | 10                 | 5.40      |
| 6                | 1.55      | 6                  | 2.35      | 12                 | 6.85      |
| 8                | 2.00      | 8                  | 2.85      | 14                 | 8.45      |
| 10               | 2.65      | 10                 | 3.50      | 16                 | 10.70     |
|                  |           | 12                 | 4.65      |                    |           |
|                  |           | 14                 | 5.85      |                    |           |
|                  |           | 16                 | 7.20      |                    |           |

One Gross in a Package.

## \*SCREW CASES.



## AMERICAN.

Octagon Shape; Made of Selected White Pine, Varnished; Metal Drawers, with Wood Fronts; White Porcelain Knob on each Drawer; Top part revolves on Base.

The Drawers are all provided with Stops to prevent their removal from the Case. Each Drawer holds a Package of Bolts or Screws of the Size and Number indicated on the front of the Drawer.

- Each
- No. 1—12 DRAWERS: Height 34 inches, Width 21 inches, Depth 21 inches; Weight each about 80 lbs. \$25.00
- No. 2—80 DRAWERS: Height 36 inches, Width 21 inches, Depth 21 inches; Weight each about 85 lbs. 30.00
- No. 3—88 DRAWERS: Height 40 inches, Width 25 inches, Depth 25 inches; Weight each about 90 inches. 35.00
- No. 4—96 DRAWERS: Height 42 inches, Width 25 inches, Depth 25 inches; Weight each about 90 lbs. 40.00

No. 1 SCREW CASE Contains Drawers labeled for following sizes of Screws:

- |                                  |                                    |
|----------------------------------|------------------------------------|
| 1/4-in. x 3, 4, 5, 6, 7,         | 1 1/2-in. x 8, 9, 10, 11, 12, 13,  |
| 5/16-in. x 5, 6, 7, 8,           | 14, 15, 16,                        |
| 3/8-in. x 5, 6, 7, 8, 9,         | 1 3/4-in. x 9, 10, 11, 12, 13, 14, |
| 7/8-in. x 7, 8, 9, 10,           | 15, 16, 17,                        |
| 1-in. x 6, 7, 8, 9, 10, 11, 12,  | 2-in. x 10, 11, 12, 13, 14, 15,    |
| 13, 14,                          | 16, 17, 18,                        |
| 1 1/4-in. x 7, 8, 9, 10, 11, 12, | 2 1/2-in. x 12, 13, 14, 15, 16,    |
| 13, 14, 15,                      | 3-in. x 16, 18, 20, 22,            |

No. 2 SCREW CASE Contains Drawers labeled for following sizes of Screws:

- |                                      |                                    |
|--------------------------------------|------------------------------------|
| 1/4-in. x 2, 3, 4,                   | 1 1/2-in. x 8, 9, 10, 11, 12, 13,  |
| 5/16-in. x 3, 4, 5, 6, 7,            | 14, 15, 16,                        |
| 3/8-in. x 4, 5, 6, 7, 8,             | 1 3/4-in. x 9, 10, 11, 12, 13, 14, |
| 7/8-in. x 4, 5, 6, 7, 8, 9, 10,      | 15, 16, 17,                        |
| 1-in. x 6, 7, 8, 9, 10, 11,          | 2-in. x 10, 11, 12, 13, 14, 15,    |
| 13, 14,                              | 16, 17, 18,                        |
| 1 1/4-in. x 7, 8, 9, 10, 11, 12, 13, | 2 1/2-in. x 12, 13, 14, 15, 16,    |
| 14, 15,                              | 3-in. x 16, 18, 20, 22,            |

No. 3 SCREW CASE Contains Drawers labeled for following sizes of Screws:

- |                                      |                                    |
|--------------------------------------|------------------------------------|
| 1/4-in. x 1, 2,                      | 1 1/2-in. x 8, 9, 10, 11, 12, 13,  |
| 5/16-in. x 2, 3, 4, 5, 6,            | 14, 15, 16,                        |
| 3/8-in. x 3, 4, 5, 6, 7, 8,          | 1 3/4-in. x 9, 10, 11, 12, 13, 14, |
| 7/8-in. x 4, 5, 6, 7, 8, 9,          | 15, 16, 17,                        |
| 1-in. x 6, 7, 8, 9, 10, 11, 12,      | 2-in. x 10, 11, 12, 13, 14, 15,    |
| 13, 14, 15,                          | 16, 17, 18,                        |
| 1 1/4-in. x 7, 8, 9, 10, 11, 12, 13, | 2 1/2-in. x 12, 13, 14, 15, 16,    |
| 14, 15, 16,                          | 3-in. x 16, 18, 20, 22,            |

No. 4 SCREW CASE Contains Drawers labeled for following sizes of Screws:

- |                                     |                                    |
|-------------------------------------|------------------------------------|
| 1/4-in. x 1, 2,                     | 1 1/2-in. x 8, 9, 10, 11, 12, 13,  |
| 5/16-in. x 2, 3, 4, 5, 6,           | 14, 15, 16,                        |
| 3/8-in. x 3, 4, 5, 6, 7, 8,         | 1 3/4-in. x 9, 10, 11, 12, 13, 14, |
| 7/8-in. x 4, 5, 6, 7, 8, 9, 10, 11, | 15, 16, 17,                        |
| 1-in. x 6, 7, 8, 9, 10, 11, 12,     | 2-in. x 10, 11, 12, 13, 14, 15,    |
| 13, 14, 15,                         | 16, 17, 18,                        |
| 1 1/4-in. x 7, 8, 9, 10, 11, 12,    | 2 1/2-in. x 12, 13, 14, 15, 16,    |
| 13, 14, 15,                         | 3-in. x 16, 18, 20, 22,            |
|                                     | 3 1/2-in. x 16, 18, 20,            |

## \*BOLT CASES.



- Each
- No. 1—88 DRAWERS: Height of Base 15 inches; Height over all 60 inches; Size of Base 31x31 inches; Size of Top 30x30 inches; Weight each about 250 lbs. \$50.00

- No. 2—104 DRAWERS: Height of Base 20 inches; Height over all 65 inches; Size of Base 31x31 inches; Size of Top 30x30 inches; Weight each about 300 lbs. 55.00

No. 1 BOLT CASE Contains Drawers labeled for following sizes of Bolts:

## Tire Bolts.

- |                                                           |
|-----------------------------------------------------------|
| 1/2-in. x 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 2 3/4, 3, |
| 3/4-in. x 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 2 3/4, 3,        |
| 7/8-in. x 2, 2 1/4, 2 1/2,                                |

## Carriage Bolts.

- |                                                                                         |
|-----------------------------------------------------------------------------------------|
| 1/4-in. x 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 2 3/4, 3, 3 1/4, 3 1/2, 3 3/4, 4,       |
| 4 1/4, 4 1/2, 4 3/4, 5,                                                                 |
| 5/16-in. x 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 2 3/4, 3, 3 1/4, 3 1/2, 3 3/4, 4,      |
| 4 1/4, 4 1/2, 4 3/4, 5, 5 1/4, 5 1/2, 5 3/4, 6,                                         |
| 3/8-in. x 2, 2 1/4, 2 1/2, 2 3/4, 3, 3 1/4, 3 1/2, 3 3/4, 4, 4 1/4, 4 1/2, 4 3/4, 5, 6, |
| 7/16-in. x 2, 2 1/4, 3, 3 1/4, 4, 4 1/2, 5, 5 1/2, 6, 6 1/2, 7, 8, 9, 10,               |
| 1/2-in. x 2, 2 1/4, 3, 3 1/4, 4, 4 1/2, 5, 5 1/2, 6, 6 1/2, 7, 8, 9, 10, 11, 12,        |

No. 2 BOLT CASE Contains Drawers labeled for following sizes of Bolts:

## Tire Bolts.

- |                                                           |
|-----------------------------------------------------------|
| 1/2-in. x 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 2 3/4, 3, |
| 3/4-in. x 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 2 3/4, 3,        |
| 7/8-in. x 2, 2 1/4, 2 1/2,                                |

## Carriage Bolts.

- |                                                                                         |
|-----------------------------------------------------------------------------------------|
| 1/4-in. x 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 2 3/4, 3, 3 1/4, 3 1/2, 3 3/4, 4,       |
| 4 1/4, 4 1/2, 4 3/4, 5,                                                                 |
| 5/16-in. x 1 1/4, 1 1/2, 1 3/4, 2, 2 1/4, 2 1/2, 2 3/4, 3, 3 1/4, 3 1/2, 3 3/4, 4,      |
| 4 1/4, 4 1/2, 4 3/4, 5, 5 1/4, 5 1/2, 5 3/4, 6,                                         |
| 3/8-in. x 2, 2 1/4, 2 1/2, 2 3/4, 3, 3 1/4, 3 1/2, 3 3/4, 4, 4 1/4, 4 1/2, 4 3/4, 5, 6, |
| 7/16-in. x 2, 2 1/4, 3, 3 1/4, 4, 4 1/2, 5, 5 1/2, 6, 6 1/2, 7, 7 1/2, 8, 8 1/2,        |
| 9, 9 1/2, 10,                                                                           |
| 1/2-in. x 2, 2 1/4, 3, 3 1/4, 4, 4 1/2, 5, 5 1/2, 6, 6 1/2, 7, 7 1/2, 8, 8 1/2,         |
| 9, 9 1/2, 10, 11, 12,                                                                   |

One in a Crate.

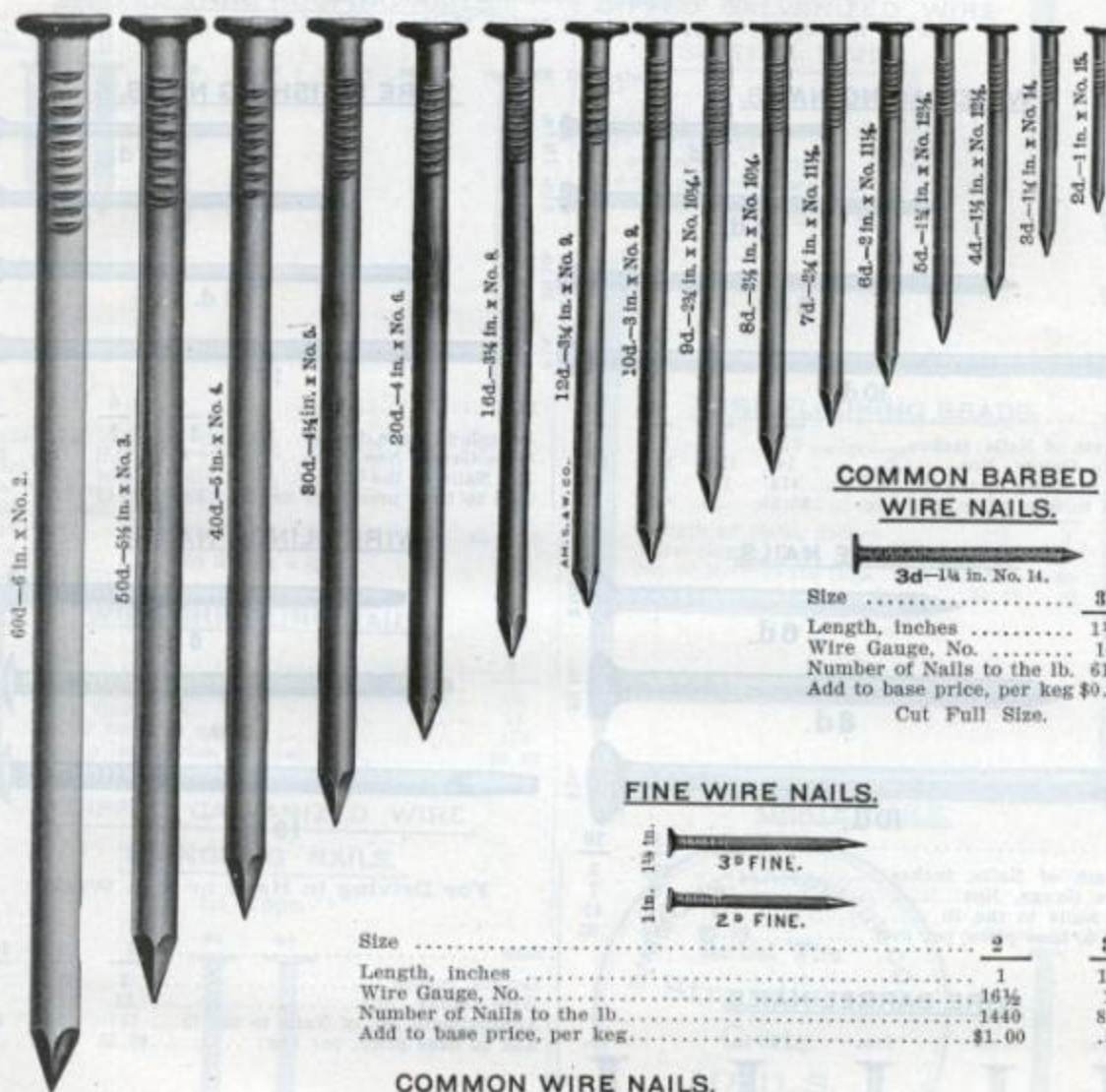
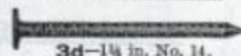
-1587-

## STANDARD WIRE NAILS.

Kegs Contain 100 Pounds of Nails, Exclusive of Keg.

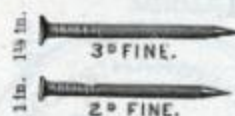
Price List Adopted December 1st, 1896.

We do not carry any Standard Wire Nails in Half Kegs.

COMMON BARBED  
WIRE NAILS.

|                                   |       |
|-----------------------------------|-------|
| Size .....                        | 3     |
| Length, inches .....              | 1 1/4 |
| Wire Gauge, No. ....              | 14    |
| Number of Nails to the lb. ....   | 615   |
| Add to base price, per keg \$0.60 |       |
| Cut Full Size.                    |       |

## FINE WIRE NAILS.



|                                  |        |       |
|----------------------------------|--------|-------|
| Size .....                       | 2      | 3     |
| Length, inches .....             | 1      | 1 1/4 |
| Wire Gauge, No. ....             | 16 1/2 | 15    |
| Number of Nails to the lb. ....  | 1440   | 810   |
| Add to base price, per keg ..... | \$1.00 | .50   |

## COMMON WIRE NAILS.

|                                  |        |       |        |        |        |        |        |
|----------------------------------|--------|-------|--------|--------|--------|--------|--------|
| Size .....                       | 2      | 3     | 4      | 5      | 6      | 7      | 8      |
| Length, inches .....             | 1      | 1 1/4 | 1 1/2  | 1 3/4  | 2      | 2 1/4  | 2 1/2  |
| Wire Gauge, No. ....             | 15     | 14    | 12 1/2 | 12 1/4 | 11 1/2 | 11 1/4 | 10 1/4 |
| Number of Nails to the lb. ....  | 900    | 615   | 322    | 254    | 200    | 154    | 106    |
| Add to base price, per keg ..... | \$0.70 | .45   | .30    | .30    | .20    | .20    | .10    |

|                                  |        |     |       |       |       |       |       |       |       |
|----------------------------------|--------|-----|-------|-------|-------|-------|-------|-------|-------|
| Size .....                       | 9      | 10  | 12    | 16    | 20    | 30    | 40    | 50    | 60    |
| Length, inches .....             | 2 3/4  | 3   | 3 1/4 | 3 1/2 | 4     | 4 1/2 | 5     | 5 1/2 | 6     |
| Wire Gauge, No. ....             | 10 1/4 | 9   | 8     | 8     | 6     | 5     | 4     | 3     | 2     |
| Number of Nails to the lb. ....  | 85     | 74  | 57    | 46    | 29    | 23    | 17    | 14    | 11    |
| Add to base price, per keg ..... | \$0.10 | .05 | .05   | .05   | Base. | Base. | Base. | Base. | Base. |

Cuts Full Size.



# STANDARD WIRE NAILS.

In Kegs.

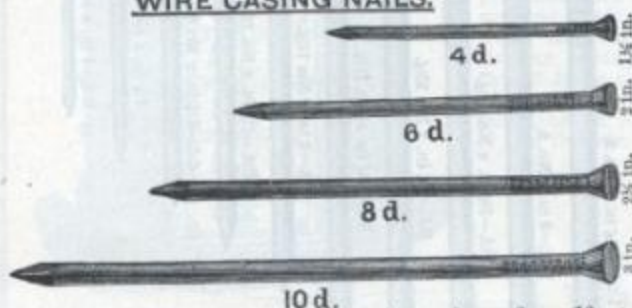
Kegs contain 100 pounds of Nails exclusive of Keg.

Price List Adopted December 1st, 1896.

We do not carry any Standard Wire Nails in Half Kegs.

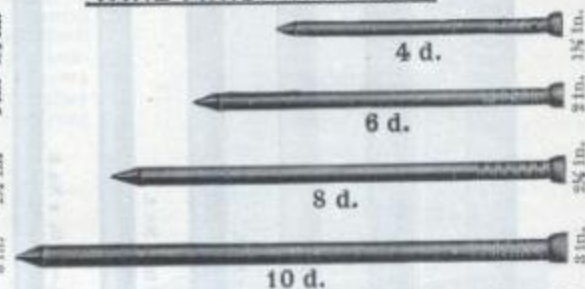
## WIRE CASING NAILS.

Cuts Full Size.



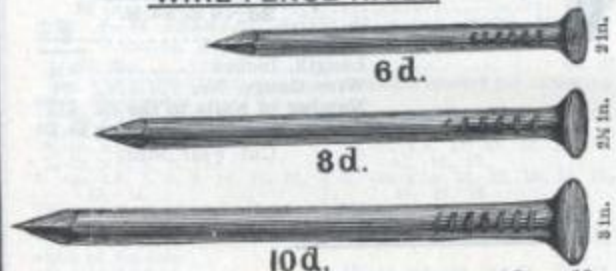
| Size                       | 4      | 6   | 8   | 10  |
|----------------------------|--------|-----|-----|-----|
| Length of Nails, inches    | 1½     | 2   | 2½  | 3   |
| Wire Gauge, Nos.           | 14     | 12½ | 11½ | 10½ |
| No. of Nails to the lb.    | 473    | 180 | 112 | 90  |
| Add to base price, per keg | \$0.50 | .35 | .25 | .15 |

## WIRE FINISHING NAILS.



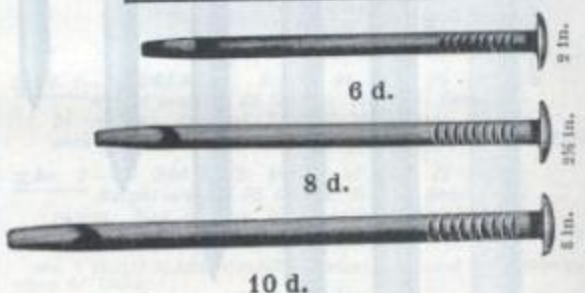
| Size                       | 4      | 6   | 8   | 10  |
|----------------------------|--------|-----|-----|-----|
| Length of Nails, inches    | 1½     | 2   | 2½  | 3   |
| Wire Gauge, Nos.           | 15     | 13½ | 12½ | 11½ |
| No. Nails to the lb.       | 584    | 300 | 190 | 134 |
| Add to base price, per keg | \$0.65 | .45 | .35 | .25 |

## WIRE FENCE NAILS.



| Size                       | 6      | 8   | 10  |
|----------------------------|--------|-----|-----|
| Length of Nails, inches    | 2      | 2½  | 3   |
| Wire Gauge, Nos.           | 10     | 9   | 7   |
| No. Nails to the lb.       | 114    | 74  | 42  |
| Add to base price, per keg | \$0.20 | .10 | .05 |

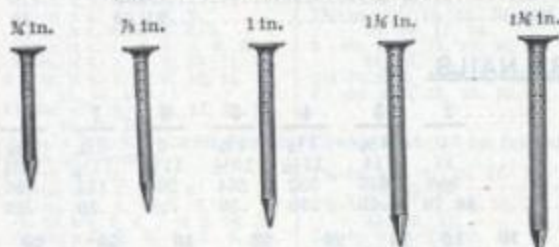
## WIRE CLINCH NAILS.



For Driving in Hard or Soft Wood.

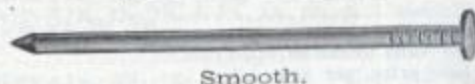
| Size                                | 6      | 8   | 10  |
|-------------------------------------|--------|-----|-----|
| Length, inches                      | 2      | 2½  | 3   |
| Wire Gauge, Nos.                    | 11     | 10  | 9   |
| Approximate No. of Nails to the lb. | 157    | 99  | 69  |
| Add to base price, per keg          | \$0.55 | .45 | .35 |

## WIRE BARREL NAILS.



| Inches                     | ¾      | 7/8 | 1   | 1 1/8 | 1 1/2 |
|----------------------------|--------|-----|-----|-------|-------|
| Wire Gauge, Nos.           | 15½    | 14½ | 14½ | 14½   | 13    |
| No. Nails to the lb.       | 1270   | 975 | 784 | 700   | 542   |
| Add to base price, per keg | \$1.00 | .85 | .70 | .60   | .50   |

## WIRE BOX NAILS.



Smooth.

| Size                                | 4      | 5   | 6   | 7   | 8   | 10  |
|-------------------------------------|--------|-----|-----|-----|-----|-----|
| Length, inches                      | 1½     | 1¾  | 2   | 2¼  | 2½  | 3   |
| Wire Gauge, Nos.                    | 14     | 14  | 12½ | 12½ | 11½ | 10½ |
| Approximate No. of Nails to the lb. | 473    | 406 | 236 | 210 | 145 | 94  |
| Add to base price, per keg          | \$0.50 | .50 | .35 | .35 | .25 | .15 |

Cuts Full Size.

-1589-

## STANDARD WIRE NAILS.

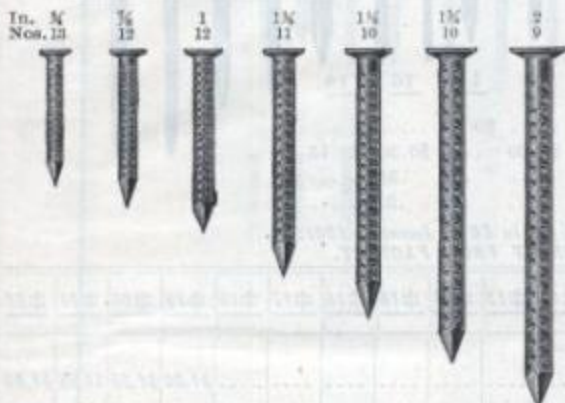
In Kegs.

Kegs contain 100 pounds of Nails exclusive of Keg.

Price List Adopted December 1st, 1896.

We do not carry any Standard Wire Nails in Half Kegs.

## BARBED WIRE ROOFING NAILS.



|                            |        |     |     |       |       |       |     |
|----------------------------|--------|-----|-----|-------|-------|-------|-----|
| Inches                     | 3/4    | 7/8 | 1   | 1 1/4 | 1 1/2 | 1 3/4 | 2   |
| Wire Gauge, Nos.           | 13     | 12  | 12  | 11    | 10    | 10    | 9   |
| No. of Nails to lb.        | 648    | 413 | 384 | 231   | 154   | 135   | 90  |
| Add to base price, per keg | \$0.75 | .65 | .60 | .55   | .45   | .45   | .35 |

100 lbs. in a Keg.

## WIRE SHINGLING NAILS.

|                            |        |
|----------------------------|--------|
| Size                       | 3      |
| Length, inches             | 1 3/4  |
| Wire Gauge, No.            | 13     |
| No. of Nails to the lb.    | 450    |
| Add to Base price, per keg | \$0.45 |

100 lbs. in a Keg.

## DIPPED GALVANIZED WIRE

## SHINGLING NAILS.

In Kegs.



|                                     |        |       |
|-------------------------------------|--------|-------|
| Size                                | 3      | 4     |
| Length, inches                      | 1 3/4  | 1 1/2 |
| Wire Gauge, No.                     | 13     | 12    |
| Approximate No. of Nails to the lb. | 568    | 250   |
| Add to base price, per keg          | \$1.20 | 1.05  |

Cuts Full Size.

## DIPPED GALVANIZED WIRE

## SLATING NAILS.

|                            |        |        |
|----------------------------|--------|--------|
| Size                       | 3      | 4      |
| Length, inches             | 1 3/4  | 1 1/2  |
| Wire Gauge, Nos.           | 10 1/2 | 10 1/2 |
| No. of Nails to the lb.    | 190    | 160    |
| Add to base price, per keg | \$1.60 | 1.40   |

100 lbs. in a Keg.



## WIRE FLOORING BRADS.

In Kegs.

|                            |        |     |
|----------------------------|--------|-----|
| Size                       | 8      | 10  |
| Length of Nails, inches    | 2 1/2  | 3   |
| Wire Gauge, Nos.           | 10     | 9   |
| No. of Nails to the lb.    | 98     | 69  |
| Add to base price, per keg | \$0.10 | .05 |

100 lbs. in a Keg.



## CRATE NAILS.



Showing Brand on Keg.

Strawberry Crate Nails.

1 inch, No. 10.

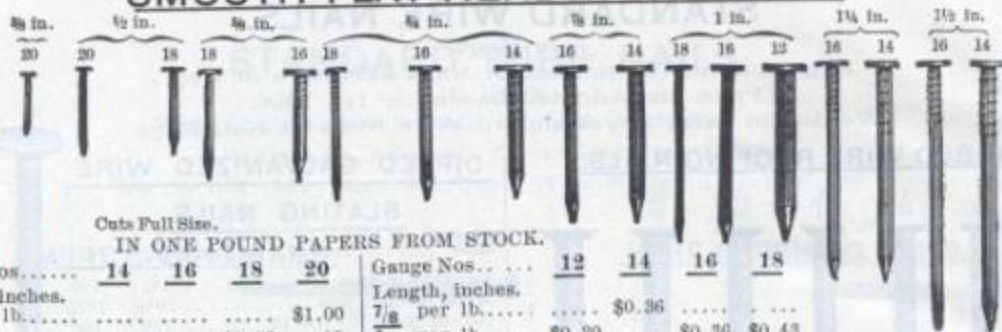


In Kegs.

Add to Base Price, Per Keg  
 S. H. CO.\* Barbed Wire Nails, Large Head, 1 inch,  
 16 gauge, 100 lbs in a keg. \$1.15

Suitable also for all Fruit and Vegetable Cases.

-1590-  
**SMOOTH FLAT HEAD WIRE NAILS.**



Outs Full Size.

IN ONE POUND PAPERS FROM STOCK.

| Gauge Nos.            | 14     | 16     | 18     | 20     |
|-----------------------|--------|--------|--------|--------|
| Length, inches.       |        |        |        |        |
| $\frac{3}{8}$ per lb. |        |        |        | \$1.00 |
| $\frac{1}{2}$ per lb. |        |        | \$0.65 | .85    |
| $\frac{5}{8}$ per lb. |        | \$0.50 | .58    |        |
| $\frac{3}{4}$ per lb. | \$0.38 | .43    | .52    |        |

| Gauge Nos.             | 12     | 14     | 16     | 18 |
|------------------------|--------|--------|--------|----|
| Length, inches.        |        |        |        |    |
| $\frac{7}{8}$ per lb.  | \$0.36 |        |        |    |
| $1$ per lb.            | \$0.30 | \$0.36 | \$0.43 |    |
| $1\frac{1}{8}$ per lb. |        | .31    | .34    |    |
| $1\frac{1}{4}$ per lb. |        | .30    | .33    |    |

Standard Price List Adopted and put in Effect January, 1901.  
IN ONE POUND PAPERS DIRECT FROM FACTORY.

| Gauge Nos.     | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|----------------|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Length, in.    |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $\frac{1}{4}$  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $\frac{3}{8}$  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $\frac{1}{2}$  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $\frac{5}{8}$  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $\frac{3}{4}$  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $\frac{7}{8}$  |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $1$            |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $1\frac{1}{8}$ |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $1\frac{1}{4}$ |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $1\frac{1}{2}$ |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $1\frac{3}{4}$ |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $2$            |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $2\frac{1}{4}$ |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $2\frac{1}{2}$ |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $2\frac{3}{4}$ |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $3$            |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $3\frac{1}{4}$ |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $3\frac{1}{2}$ |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |
| $4$            |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |

LIST EXTRAS—Subject to Discount.

Same Price as Above for 5 Pound Packages.  
Same Price as Above for 10 Pound Packages.  
Add to list 4 cents per pound for  $\frac{1}{2}$  pound Paper Boxes.  
Add to list 3 cents per pound for  $\frac{1}{4}$  pound Paper Boxes.  
Add to list 2 cents per pound for Barbing.  
Add to list 2 cents per pound for Annealing.  
Add to list 2 cents per pound for Cone Heads, Special Heads and Headless.

REBATES FROM LIST PRICES.

Rebate for 25 and 50 pound Boxes, 1 cent per pound.

Add to list 2 cents per pound for Needle Points and Special Points.

For Nails combining several specialties, add as above for each.

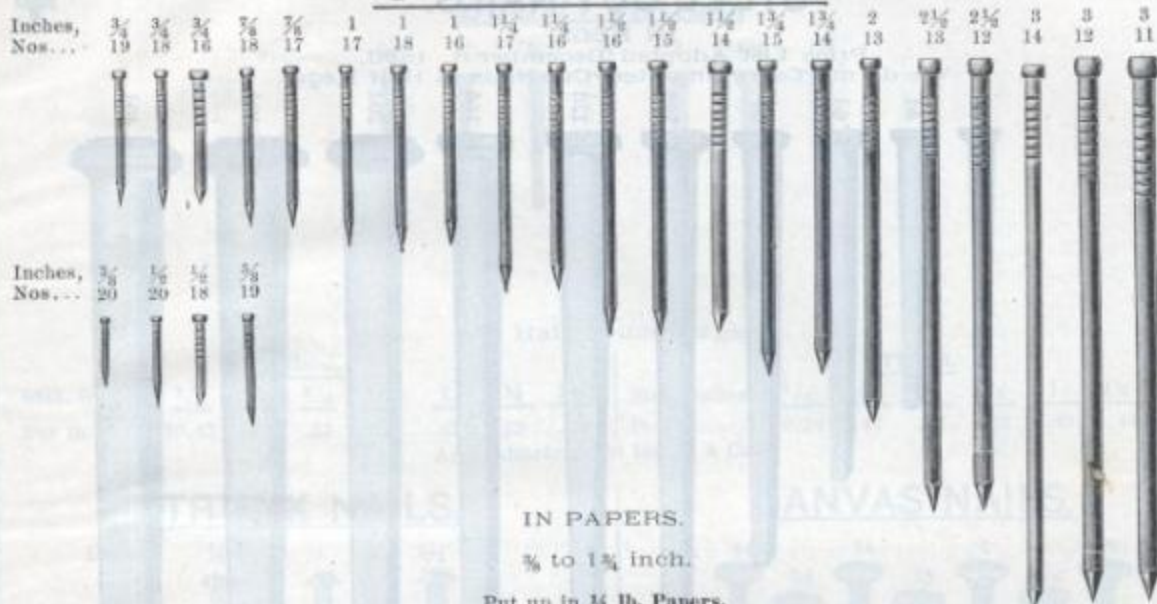
For sizes not appearing on the list, use the list prices for in the desired Gauge in the nearest shorter length.

Nails heavier than listed, at special net prices, according to quantity.

Rebate for Nails in 100 pound Kegs, 2 cents per pound.

-1592-

## STEEL WIRE BRADS.



IN PAPERS.

 $\frac{3}{8}$  to  $1\frac{1}{4}$  inch.Put up in  $\frac{1}{4}$  lb. Papers.

| Size, inches                        | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$ | $\frac{7}{8}$ | 1    | 1    | $1\frac{1}{4}$ | $1\frac{1}{2}$ | $1\frac{3}{4}$ |
|-------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|------|------|----------------|----------------|----------------|
| Wire Gauge, Nos.                    | 20            | 20            | 19            | 18            | 18            | 17            | 18   | 16   | 16             | 15             | 15             |
| Approximate number Brads to the lb. | 10000         | 7500          | 4267          | 2758          | 2364          | 1781          | 2069 | 1143 | 913            | 584            | 500            |
| Per dozen papers                    | \$3.24        | 2.79          | 2.19          | 1.80          | 1.59          | 1.53          | 1.53 | 1.32 | 1.26           | 1.23           | 1.14           |

 $1\frac{1}{4}$  to 2 inch.Put up in  $\frac{1}{2}$  lb. Papers.

| Size, inches                        | $1\frac{1}{4}$ | $1\frac{1}{2}$ | $1\frac{3}{4}$ | 2    |
|-------------------------------------|----------------|----------------|----------------|------|
| Wire Gauge, Nos.                    | 16             | 15             | 14             | 13   |
| Approximate number Brads to the lb. | 913            | 584            | 406            | 268  |
| Per dozen papers                    | \$2.28         | 2.10           | 1.98           | 1.92 |

One Dozen Papers in a Package.

Put up in One Pound Papers.

| Size, inches                        | $\frac{1}{2}$  | $\frac{5}{8}$  | $\frac{3}{4}$  | $\frac{3}{4}$ | $\frac{7}{8}$ | $\frac{7}{8}$ | 1              | 1              | 1              | $1\frac{1}{4}$ | $1\frac{1}{4}$ | $1\frac{1}{2}$ |
|-------------------------------------|----------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Wire Gauge, Nos.                    | 20             | 19             | 19             | 18            | 18            | 17            | 18             | 17             | 16             | 17             | 16             | 16             |
| Approximate number Brads to the lb. | 7500           | 4267           | 3556           | 2758          | 2364          | 1781          | 2069           | 1558           | 1143           | 1246           | 913            | 761            |
| Per lb.                             | \$0.85         | .65            | .60            | .52           | .45           | .43           | .43            | .40            | .36            | .39            | .34            | .33            |
| Size, inches                        | $1\frac{1}{2}$ | $1\frac{3}{4}$ | $1\frac{3}{4}$ | 2             | 2             | 2             | $2\frac{1}{2}$ | $2\frac{1}{2}$ | $2\frac{1}{2}$ | 3              | 3              | 3              |
| Wire Gauge, Nos.                    | 15             | 15             | 14             | 14            | 16            | 13            | 15             | 13             | 12             | 12             | 11             | 11             |
| Approximate number Brads to the lb. | 584            | 500            | 406            | 350           | 385           | 268           | 235            | 214            | 164            | 150            | 137            | 105            |
| Per lb.                             | \$0.31         | .30            | .29            | .29           | .28           | .28           | .28            | .26            | .28            | .26            | .25            | .25            |

IN BULK.

| Size, inches                        | $\frac{1}{2}$  | $\frac{1}{2}$  | $\frac{5}{8}$  | $\frac{3}{4}$  | $\frac{3}{4}$  | $\frac{7}{8}$ | $\frac{7}{8}$ | 1              | 1              | 1    | $1\frac{1}{4}$ | $1\frac{1}{4}$ |
|-------------------------------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|----------------|----------------|------|----------------|----------------|
| Wire Gauge, Nos.                    | 20             | 18             | 19             | 19             | 18             | 18            | 17            | 18             | 17             | 16   | 17             | 16             |
| Approximate number Brads to the lb. | 7500           | 7200           | 4267           | 3556           | 2758           | 2600          | 2364          | 1781           | 2069           | 1558 | 1143           | 1246           |
| Per lb.                             | \$0.84         | .64            | .64            | .59            | .51            | .42           | .44           | .42            | .42            | .39  | .35            | .38            |
| Size, inches                        | $1\frac{1}{2}$ | $1\frac{1}{2}$ | $1\frac{1}{2}$ | $1\frac{3}{4}$ | $1\frac{3}{4}$ | 2             | 2             | $2\frac{1}{2}$ | $2\frac{1}{2}$ | 3    | 3              | 3              |
| Wire Gauge, Nos.                    | 16             | 15             | 14             | 15             | 14             | 14            | 13            | 13             | 12             | 14   | 12             | 11             |
| Approximate number Brads to the lb. | 761            | 584            | 500            | 500            | 406            | 350           | 268           | 214            | 164            | 150  | 137            | 105            |
| Per lb.                             | \$0.32         | .30            | .29            | .29            | .28            | .28           | .27           | .27            | .26            | .28  | .26            | .25            |

Twenty-five Pounds in a Wood Box.

Cuts Full Size.

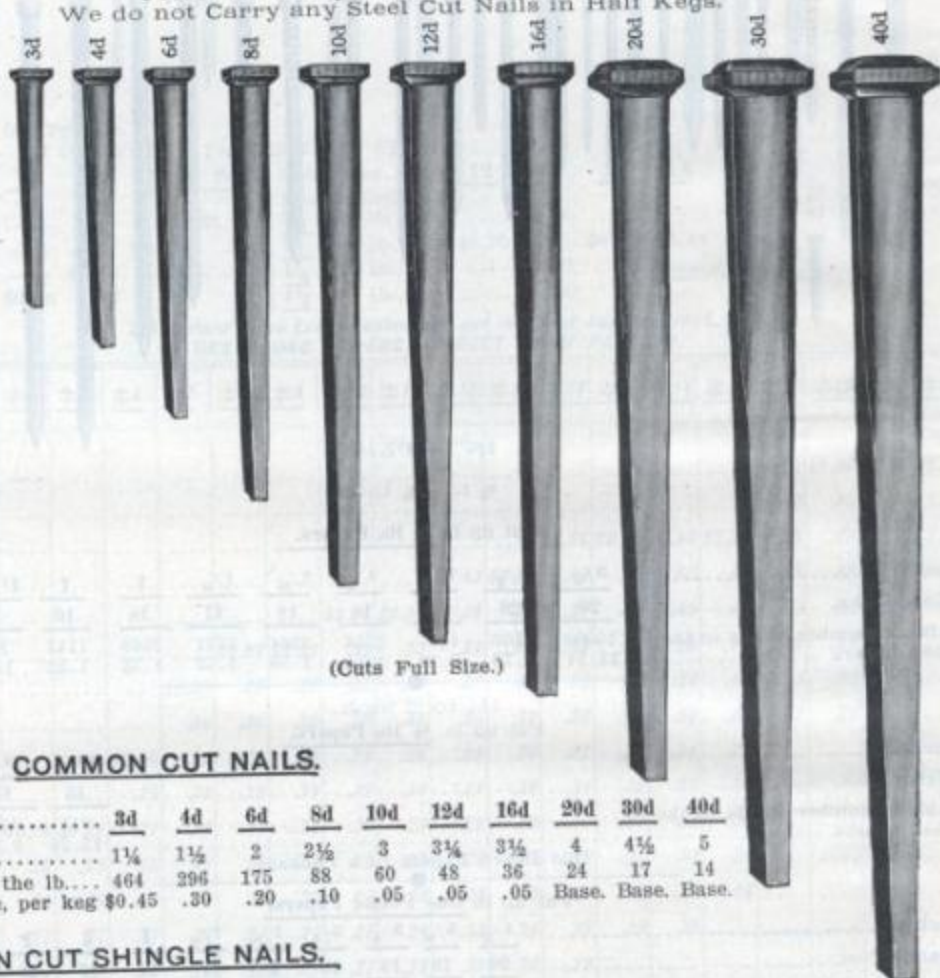
-1593-

## STEEL CUT NAILS.

IN KEGS.

Price List Adopted December 1, 1896.

We do not Carry any Steel Cut Nails in Half Kegs.



(Cuts Full Size.)

## COMMON CUT NAILS.

| Sizes.....                 | 3d     | 4d    | 6d  | 8d    | 10d | 12d   | 16d   | 20d   | 30d   | 40d   |
|----------------------------|--------|-------|-----|-------|-----|-------|-------|-------|-------|-------|
| Length, inches .....       | 1 1/4  | 1 1/2 | 2   | 2 1/2 | 3   | 3 1/4 | 3 1/2 | 4     | 4 1/2 | 5     |
| Number Nails to the lb.... | 464    | 296   | 175 | 88    | 60  | 48    | 36    | 24    | 17    | 14    |
| Add to base price, per keg | \$0.45 | .30   | .20 | .10   | .05 | .05   | .05   | Base. | Base. | Base. |

## IRON CUT SHINGLE NAILS.



Edge Grip, Large Heads.

| Sizes .....                     | 3d     | 3 1/2d | 4d    |
|---------------------------------|--------|--------|-------|
| Length of Nails, inches.....    | 1 1/4  | 1 1/2  | 1 3/4 |
| Number of Nails to the lb.....  | 360    | 270    | 200   |
| Add to base price, per keg..... | \$0.45 | .40    | .30   |

## STEEL CUT CLINCH NAILS.



| Sizes .....                     | 6d     | 8d    | 10d |
|---------------------------------|--------|-------|-----|
| Length, inches .....            | 2      | 2 1/2 | 3   |
| Number of Nails to the lb.....  | 100    | 72    | 54  |
| Add to base price, per keg..... | \$0.65 | .55   | .45 |

100 lbs. in a Keg.

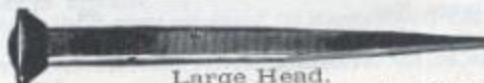
## STEEL CUT CASING NAILS.



| Sizes .....                     | 6d     | 8d    | 10d |
|---------------------------------|--------|-------|-----|
| Length, inches .....            | 2      | 2 1/2 | 3   |
| Number of Nails to the lb.....  | 224    | 130   | 91  |
| Add to base price, per keg..... | \$0.35 | .25   | .15 |

100 lbs. in a Keg.

## HINGE NAILS.



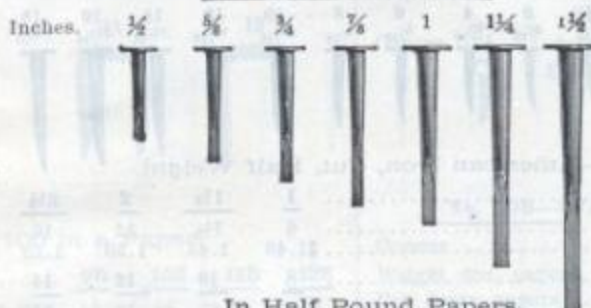
Large Head.

Made from Specially Annealed Steel.  
Specially adapted for use with Strap and T Hinges.  
No. 25—COUNTERSUNK HEAD.

| Size, inches .....     | 2       | 2 1/2 | 3     |
|------------------------|---------|-------|-------|
| Per box of 25 lbs..... | \$..... | ..... | ..... |

SOLD ONLY IN FULL BOXES.

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**CLOUT NAILS.**

In Half Pound Papers.

| Blued.         |               |               |               |               |     |                |                | Tinned.        |               |               |               |               |     |                |                |
|----------------|---------------|---------------|---------------|---------------|-----|----------------|----------------|----------------|---------------|---------------|---------------|---------------|-----|----------------|----------------|
| Size, inches.. | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$ | 1   | $1\frac{1}{4}$ | $1\frac{1}{2}$ | Size, inches.. | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$ | 1   | $1\frac{1}{4}$ | $1\frac{1}{2}$ |
| Per lb. ....   | \$0.43        | .36           | .33           | .31           | .29 | .29            | .29            | Per lb. ....   | \$0.54        | .47           | .44           | .42           | .40 | .40            | .40            |

Approximately 100 lbs. in a Case.

Approximately 100 lbs. in a Case.

**TRUNK NAILS.**

In One Pound Papers.

| Blued.             |        |     |       | Tinned.            |        |     |       |
|--------------------|--------|-----|-------|--------------------|--------|-----|-------|
| Size, inches ..... | 3/8    | 1   | 1 1/4 | Size, inches ..... | 3/8    | 1   | 1 1/4 |
| Per lb. ....       | \$0.29 | .27 | .27   | Per lb. ....       | \$0.40 | .38 | .38   |

Approximately 100 lbs. in a Case.

**CANVAS NAILS.**

BOLSTER'S\*, Japanned.

| Size, inches.. | 1/2    | 5/8 | 3/4 | 7/8 | 1   | 1 1/4 | 1 3/4 |
|----------------|--------|-----|-----|-----|-----|-------|-------|
| Per lb. ....   | \$0.48 | .41 | .38 | .36 | .35 | .35   | .35   |

Are used for fastening the Canvas to the Slats on Grain Binders.

One-half Pound in a Paper.

**ESCUTCHEON PINS.**

BRASS.

| Size, inches ..... | 1/2    | 1/2  | 1/2 | 5/8 | 5/8 | 5/8 | 5/8 | 3/4 | 3/4 | 3/4 |
|--------------------|--------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| Nos. ....          | 20     | 19   | 16  | 18  | 17  | 16  | 17  | 16  | 15  | 15  |
| Per lb. ....       | \$1.20 | 1.10 | .82 | .94 | .87 | .80 | .85 | .78 | .76 | .76 |
| Size, inches ..... | 3/4    | 3/4  | 7/8 | 7/8 | 7/8 | 7/8 | 1   | 1   | 1   | 1   |
| Nos. ....          | 14     | 13   | 16  | 15  | 14  | 13  | 16  | 14  | 12  | 12  |
| Per lb. ....       | \$0.75 | .74  | .76 | .75 | .74 | .73 | .75 | .73 | .71 | .71 |

One Pound in a Cardboard Box.

Cuts Full Size.

- 1596 -

**CUT TACKS.**

|             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |
|-------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Ounces..... | 1                                                                                 | 1 1/4                                                                             | 2                                                                                 | 2 1/4                                                                             | 3                                                                                 | 4                                                                                 | 6                                                                                 | 8                                                                                 | 10                                                                                | 12                                                                                | 14                                                                                | 16                                                                                | 18                                                                                | 20                                                                                  |
| Inches..... | 7/16                                                                              | 3/8                                                                               | 1/2                                                                               | 5/8                                                                               | 3/4                                                                               | 7/8                                                                               | 1                                                                                 | 1 1/8                                                                             | 1 1/4                                                                             | 1 1/2                                                                             | 1 3/4                                                                             | 1 7/8                                                                             | 2                                                                                 | 2 1/8                                                                               |
|             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**No. KA2—American Iron, Cut, Half Weight.**

|                                   |        |       |      |       |      |      |      |
|-----------------------------------|--------|-------|------|-------|------|------|------|
| Ounces .....                      | 1      | 1 1/4 | 2    | 2 1/4 | 3    | 4    | 6    |
| Weight per dozen papers, ozs..... | 6      | 7 1/2 | 12   | 15    | 18   | 24   | 36   |
| Per dozen papers .....            | \$1.40 | 1.45  | 1.50 | 1.55  | 1.60 | 1.85 | 2.35 |
| Ounces .....                      | 8      | 10    | 12   | 14    | 16   | 18   | 20   |
| Weight per dozen papers, ozs..... | 48     | 60    | 72   | 84    | 96   | 108  | 120  |
| Per dozen papers .....            | \$2.95 | 3.60  | 4.25 | 5.00  | 5.70 | 6.40 | 7.10 |

One Dozen Papers in a Package.

**UPHOLSTERERS' TACKS.****No. U2—Half Weight, Swedes Soft Steel.**

|                                   |        |       |      |      |      |      |      |      |      |      |
|-----------------------------------|--------|-------|------|------|------|------|------|------|------|------|
| Ounces .....                      | 2      | 2 1/4 | 3    | 4    | 6    | 8    | 10   | 12   | 14   | 16   |
| Weight per dozen papers, ozs..... | 12     | 15    | 18   | 24   | 36   | 48   | 60   | 72   | 84   | 96   |
| Per dozen papers .....            | \$1.75 | 1.85  | 2.10 | 2.35 | 3.10 | 3.85 | 4.60 | 5.35 | 6.10 | 6.85 |

One Dozen Papers in a Package.

**No. U1—Swedes Soft Steel, in 1 lb. Papers**

|             |        |      |       |      |      |      |      |      |      |      |      |
|-------------|--------|------|-------|------|------|------|------|------|------|------|------|
| Ounces..... | 1 1/2  | 2    | 2 1/2 | 3    | 4    | 6    | 8    | 10   | 12   | 14   | 16   |
| Per lb..... | \$2.56 | 2.01 | 1.76  | 1.61 | 1.46 | 1.36 | 1.26 | 1.21 | 1.16 | 1.16 | 1.16 |

**No. UB25—Swedes Soft Steel in 25 lb. Boxes.**

|              |        |      |       |      |      |      |      |      |      |      |      |
|--------------|--------|------|-------|------|------|------|------|------|------|------|------|
| Ounces ..... | 1 1/2  | 2    | 2 1/4 | 3    | 4    | 6    | 8    | 10   | 12   | 14   | 16   |
| Per lb.....  | \$2.48 | 1.93 | 1.60  | 1.53 | 1.38 | 1.28 | 1.18 | 1.13 | 1.08 | 1.08 | 1.08 |

**BILL POSTERS' TACKS.**

|            |                                                                                    |                                                                                    |                                                                                    |                                                                                    |
|------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Ounces.... | 3                                                                                  | 4                                                                                  | 6                                                                                  | 8                                                                                  |
|            |  |  |  |  |

Railroad Card or Bill Posters'.

**No. RR1—BLUED, IRON, CUT, Large Heads; in 1 lb. Papers.**

|              |        |      |      |      |
|--------------|--------|------|------|------|
| Ounces ..... | 3      | 4    | 6    | 8    |
| Per lb.....  | \$1.53 | 1.38 | 1.28 | 1.18 |

**No. RR5—BLUED, IRON CUT, Large Heads, in 5 lb. Papers.**

|              |        |      |      |      |
|--------------|--------|------|------|------|
| Ounces ..... | 3      | 4    | 6    | 8    |
| Per lb.....  | \$1.53 | 1.38 | 1.28 | 1.18 |

|           |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Ounces... | 3                                                                                   | 4                                                                                   | 6                                                                                   | 8                                                                                   |
|           |  |  |  |  |

Railroad Card or Bill Posters'.

**No. WRR1—BLUED, WIRE; Large Heads; in 1 lb. Papers.**

|              |        |      |      |      |
|--------------|--------|------|------|------|
| Ounces ..... | 3      | 4    | 6    | 8    |
| Per lb.....  | \$1.61 | 1.46 | 1.36 | 1.26 |

**No. WRR5—BLUED, WIRE; Large Heads; in 5 lb. Papers.**

|              |        |      |      |      |
|--------------|--------|------|------|------|
| Ounces ..... | 3      | 4    | 6    | 8    |
| Per lb.....  | \$1.61 | 1.46 | 1.36 | 1.26 |

100 lbs. in a Case.

Cuts Full Size.

**CARPET TACKS.**

|             |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Ounces....  | 4                                                                                   | 6                                                                                   | 8                                                                                     | 10                                                                                    | 12                                                                                    | 14                                                                                    |
| Inches..... | 1/16                                                                                | 3/16                                                                                | 1/2                                                                                   | 5/8                                                                                   | 3/4                                                                                   | 7/8                                                                                   |
|             |  |  |  |  |  |  |

Large Flat Head Carpet Tacks.

**No. CB2—BLUED, HALF WEIGHT.**

|                          |        |      |      |      |      |      |
|--------------------------|--------|------|------|------|------|------|
| Ounces .....             | 4      | 6    | 8    | 10   | 12   | 14   |
| Weight doz. papers, ozs. | 24     | 36   | 48   | 60   | 72   | 84   |
| Per dozen papers.....    | \$1.60 | 2.10 | 2.70 | 3.35 | 4.00 | 4.75 |

**No. CFT4—TINNED, QUARTER WEIGHT.**

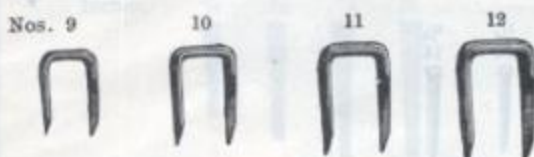
|                          |        |      |      |      |      |      |
|--------------------------|--------|------|------|------|------|------|
| Ounces .....             | 4      | 6    | 8    | 10   | 12   | 14   |
| Weight doz. papers, ozs. | 12     | 18   | 24   | 30   | 36   | 42   |
| Per dozen papers.....    | \$1.35 | 1.60 | 2.00 | 2.35 | 2.70 | 3.26 |

**No. CFT2—TINNED, HALF WEIGHT.**

|                          |        |      |      |      |      |
|--------------------------|--------|------|------|------|------|
| Ounces .....             | 6      | 8    | 10   | 12   | 14   |
| Weight doz. papers, ozs. | 36     | 48   | 60   | 72   | 84   |
| Per dozen papers.....    | \$3.00 | 3.70 | 4.50 | 5.35 | 6.15 |

One Dozen Papers in a Package.

-1598-

**DOUBLE POINTED TACKS.**

Blued, 100 in a Paper.

| Nos.                         | 9B     | 10B  | 11B  | 12B  |
|------------------------------|--------|------|------|------|
| Weight per doz. papers, ozs. | 15     | 16   | 21   | 22   |
| Per dozen papers.....        | \$1.20 | 1.30 | 1.40 | 1.95 |

Tinned, 100 in a Paper.

| Nos.                         | 9T     | 10T  | 11T  | 12T  |
|------------------------------|--------|------|------|------|
| Weight per doz. papers, ozs. | 15     | 16   | 21   | 22   |
| Per dozen papers.....        | \$1.55 | 1.65 | 1.80 | 2.50 |

One Dozen Papers in a Package.

Blued, in Bulk.

| Nos.    | B9/25  | B10/25 | B11/25 | B12/25 |
|---------|--------|--------|--------|--------|
| Per lb. | \$0.46 | .42    | .41    | .40    |

25 lbs. in a Wood Box.

**GIMP TACKS.**

| Ounces... | 2      | 2 1/2  | 3      | 4      | 6      | 8       | 10     |
|-----------|--------|--------|--------|--------|--------|---------|--------|
| Inches... | 2 1/16 | 2 3/16 | 3 1/16 | 3 3/16 | 3 7/16 | 3 11/16 | 4 1/16 |

No. GB2—BLUED; HALF WEIGHT.

| Ounces                        | 2      | 2 1/2 | 3    | 4    | 6    | 8    | 10   |
|-------------------------------|--------|-------|------|------|------|------|------|
| Weight per dozen papers, ozs. | 6      | 7 1/2 | 9    | 12   | 18   | 24   | 30   |
| Per dozen papers.....         | \$2.35 | 2.50  | 2.85 | 3.25 | 3.85 | 4.75 | 5.60 |

One Dozen Papers in a Package.

**LINING TACKS.**

| Ounces... | 2 1/2 | 4 | 6 | 8 | 10 |
|-----------|-------|---|---|---|----|
|-----------|-------|---|---|---|----|

No. LOB—OVAL SOLID HEAD, BRIGHT.

| Ounces                   | 2 1/2  | 4   | 6   | 8   | 10  |
|--------------------------|--------|-----|-----|-----|-----|
| Weight doz. papers, ozs. | 8      | 11  | 14  | 16  | 17  |
| Per dozen papers.....    | \$0.60 | .60 | .60 | .60 | .60 |

| Ounces... | 2 1/2 | 4 | 6 | 8 | 10 |
|-----------|-------|---|---|---|----|
|-----------|-------|---|---|---|----|

No. LOJ—OVAL SOLID HEAD, JAPANNED.

| Ounces                   | 2 1/2  | 4   | 6   | 8   | 10  |
|--------------------------|--------|-----|-----|-----|-----|
| Weight doz. papers, ozs. | 8      | 11  | 14  | 16  | 17  |
| Per dozen papers.....    | \$0.60 | .60 | .60 | .60 | .60 |

75 Tacks in a Paper; One Dozen Papers in a Package.

**SHANK TACKS.**

| Inches..... | 4/8 | 5/8 | 6/8 |
|-------------|-----|-----|-----|
|-------------|-----|-----|-----|

No. 80B2—OVAL HEAD, BLUED; PUT UP IN 1/2 LB. PAPERS.

| Inches  | 4/8         | 5/8      | 6/8      |
|---------|-------------|----------|----------|
| Per lb. | \$0.21 2/10 | .21 3/10 | .21 4/10 |

**SHOE TACKS.**

| Ounces..... | 1 | 1 1/2 | 2 | 2 1/2 |
|-------------|---|-------|---|-------|
|-------------|---|-------|---|-------|

No. STS—FLAT HEAD, BRIGHT, TO CLINCH.

| Ounces                       | 1      | 1 1/2 | 2   | 2 1/2 |
|------------------------------|--------|-------|-----|-------|
| Weight per doz. papers, ozs. | 18     | 18    | 18  | 18    |
| Per dozen papers.....        | \$0.54 | .50   | .44 | .42   |

Put up in 2 oz. Papers; One Dozen Papers in a Package.

Cuts Full Size.

-1599-

## CORRUGATED SHOE NAILS.

|              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Inches ..... | $\frac{3}{8}$                                                                     | $\frac{3\frac{1}{2}}{8}$                                                          | $\frac{4}{8}$                                                                     | $\frac{4\frac{1}{2}}{8}$                                                          | $\frac{5}{8}$                                                                     | $\frac{6}{8}$                                                                     |
| Ounces ..... | 3                                                                                 | 4                                                                                 | 6                                                                                 | 8                                                                                 | 10                                                                                | 14                                                                                |
|              |  |  |  |  |  |  |

No. 5—BRASS SHOE NAILS, FLAT HEAD; Put up in 2 oz. TIN BOXES; Tack Points.

|                       |               |                          |                    |                          |                    |                    |
|-----------------------|---------------|--------------------------|--------------------|--------------------------|--------------------|--------------------|
| Inches .....          | $\frac{3}{8}$ | $\frac{3\frac{1}{2}}{8}$ | $\frac{4}{8}$      | $\frac{4\frac{1}{2}}{8}$ | $\frac{5}{8}$      | $\frac{6}{8}$      |
| Ounces .....          | 3             | 4                        | 6                  | 8                        | 10                 | 14                 |
| Per dozen boxes ..... | \$0.57        | .57                      | .54 $\frac{1}{10}$ | .54 $\frac{1}{10}$       | .54 $\frac{1}{10}$ | .54 $\frac{1}{10}$ |

One Dozen Boxes in a Package; 1 $\frac{1}{2}$  lbs. to the Dozen.

No. BPN2—"SURE GRIP"; COBBLER'S IRON SHOE NAILS, BRASS PLATED, FLAT HEAD; Put up in 2 OZ. PAPERS; Tack Points.

|                      |               |                          |               |                          |               |               |               |
|----------------------|---------------|--------------------------|---------------|--------------------------|---------------|---------------|---------------|
| Inches .....         | $\frac{3}{8}$ | $\frac{3\frac{1}{2}}{8}$ | $\frac{4}{8}$ | $\frac{4\frac{1}{2}}{8}$ | $\frac{5}{8}$ | $\frac{6}{8}$ | $\frac{7}{8}$ |
| Ounces .....         | 3             | 4                        | 6             | 8                        | 10            | 14            | 14            |
| Dozen papers \$..... |               |                          |               |                          |               |               |               |

No. BPN4—"SURE GRIP"; COBBLER'S IRON SHOE NAILS, BRASS PLATED, FLAT HEAD; Put up in  $\frac{1}{4}$  LB. PAPERS; Tack Points.

|                      |               |                          |               |                          |               |               |               |
|----------------------|---------------|--------------------------|---------------|--------------------------|---------------|---------------|---------------|
| Inches .....         | $\frac{3}{8}$ | $\frac{3\frac{1}{2}}{8}$ | $\frac{4}{8}$ | $\frac{4\frac{1}{2}}{8}$ | $\frac{5}{8}$ | $\frac{6}{8}$ | $\frac{7}{8}$ |
| Ounces .....         | 3             | 4                        | 6             | 8                        | 10            | 14            | 14            |
| Dozen papers \$..... |               |                          |               |                          |               |               |               |

No. CBN4—"SURE GRIP"; COBBLER'S IRON SHOE NAILS, FLAT HEAD; Put up in  $\frac{1}{4}$  LB. PAPERS; Tack Points.

|                        |                       |                          |                    |                          |                    |                    |
|------------------------|-----------------------|--------------------------|--------------------|--------------------------|--------------------|--------------------|
| Inches .....           | $\frac{3}{8}$         | $\frac{3\frac{1}{2}}{8}$ | $\frac{4}{8}$      | $\frac{4\frac{1}{2}}{8}$ | $\frac{5}{8}$      | $\frac{6}{8}$      |
| Ounces .....           | 3                     | 4                        | 6                  | 8                        | 10                 | 14                 |
| Per dozen papers ..... | \$0.52 $\frac{5}{10}$ | .52 $\frac{5}{10}$       | .52 $\frac{5}{10}$ | .52 $\frac{5}{10}$       | .47 $\frac{7}{10}$ | .47 $\frac{7}{10}$ |

One Dozen Papers in a Package; 3 lbs. to the Dozen.

## HUNGARIAN NAILS.

|              |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Inches ..... | $\frac{3}{8}$                                                                     | $\frac{3\frac{1}{2}}{8}$                                                          | $\frac{4}{8}$                                                                     | $\frac{4\frac{1}{2}}{8}$                                                          | $\frac{5}{8}$                                                                     | $\frac{6}{8}$                                                                     |
| Ounces ..... | 3                                                                                 | 4                                                                                 | 6                                                                                 | 8                                                                                 | 10                                                                                | 14                                                                                |
|              |  |  |  |  |  |  |

Round Head.

No. 20—American Iron; Put up in  $\frac{1}{4}$  LB. PAPERS.

|                        |               |                          |               |                          |               |               |
|------------------------|---------------|--------------------------|---------------|--------------------------|---------------|---------------|
| Inches .....           | $\frac{3}{8}$ | $\frac{3\frac{1}{2}}{8}$ | $\frac{4}{8}$ | $\frac{4\frac{1}{2}}{8}$ | $\frac{5}{8}$ | $\frac{6}{8}$ |
| Ounces .....           | 3             | 4                        | 6             | 8                        | 10            | 14            |
| Per dozen papers ..... | \$1.26        | 1.14                     | 1.14          | 1.14                     | 1.14          | 1.14          |

3 lbs. to the Dozen.

One Dozen Papers in a Package.

|              |                                                                                    |                                                                                     |                                                                                      |                                                                                      |                                                                                      |                                                                                      |
|--------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Inches ..... | $\frac{3}{8}$                                                                      | $\frac{3\frac{1}{2}}{8}$                                                            | $\frac{4}{8}$                                                                        | $\frac{4\frac{1}{2}}{8}$                                                             | $\frac{5}{8}$                                                                        | $\frac{6}{8}$                                                                        |
| Ounces ..... | 3                                                                                  | 4                                                                                   | 6                                                                                    | 8                                                                                    | 10                                                                                   | 14                                                                                   |
|              |  |  |  |  |  |  |

Cone Head.

No. 30—American Iron; Put up in  $\frac{1}{4}$  LB. PAPERS.

|                        |               |                          |               |                          |               |               |
|------------------------|---------------|--------------------------|---------------|--------------------------|---------------|---------------|
| Inches .....           | $\frac{3}{8}$ | $\frac{3\frac{1}{2}}{8}$ | $\frac{4}{8}$ | $\frac{4\frac{1}{2}}{8}$ | $\frac{5}{8}$ | $\frac{6}{8}$ |
| Ounces .....           | 3             | 4                        | 6             | 8                        | 10            | 14            |
| Per dozen papers ..... | \$1.26        | 1.14                     | 1.14          | 1.14                     | 1.14          | 1.14          |

3 lbs. to the Dozen.

## HOB NAILS.

|              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Inches ..... | $\frac{3}{8}$                                                                       | $\frac{3\frac{1}{2}}{8}$                                                            | $\frac{4}{8}$                                                                       | $\frac{4\frac{1}{2}}{8}$                                                            | $\frac{5}{8}$                                                                       |
| Ounces ..... | 3                                                                                   | 4                                                                                   | 6                                                                                   | 8                                                                                   | 10                                                                                  |
|              |  |  |  |  |  |

Hob Nails, Star Head, in  $\frac{1}{2}$  LB PAPERS.

|              |                      |                          |                   |                          |                   |
|--------------|----------------------|--------------------------|-------------------|--------------------------|-------------------|
| Inches ..... | $\frac{3}{8}$        | $\frac{3\frac{1}{2}}{8}$ | $\frac{4}{8}$     | $\frac{4\frac{1}{2}}{8}$ | $\frac{5}{8}$     |
| Ounces ..... | 3                    | 4                        | 6                 | 8                        | 10                |
| Per lb. .... | \$0.12 $\frac{1}{2}$ | .12 $\frac{1}{2}$        | .12 $\frac{1}{2}$ | .12 $\frac{1}{2}$        | .12 $\frac{1}{2}$ |

Cuts Full Size.

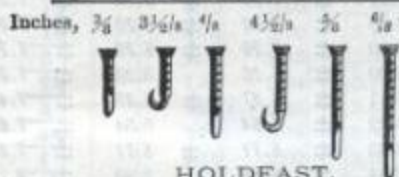
-1600-

**SHOE NAILS.**

Iron Shoe Nails.

**No. 14—MEDIUM; IN 1 LB. PAPERS**

| Inches  | $\frac{1}{2}$        | $\frac{3}{4}$      | $\frac{5}{8}$      | $\frac{3}{4}$      |
|---------|----------------------|--------------------|--------------------|--------------------|
| Per lb. | \$.09 $\frac{3}{10}$ | .09 $\frac{3}{10}$ | .09 $\frac{3}{10}$ | .09 $\frac{3}{10}$ |

**CLINCHING NAILS.**

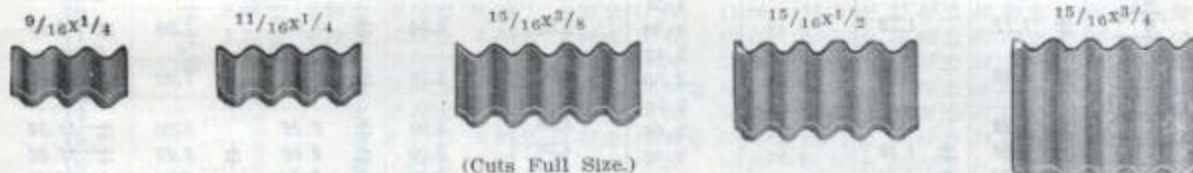
HOLDFAST.

**No. HFN4—IRON WIRE; No. 16 WIRE, IN 1/4 LB. PAPERS.**

| Inches       | $\frac{3}{8}$ | $\frac{3}{4}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{1}{2}$ |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Dozen papers | \$.068        | .68           | .68           | .68           | .68           | .68           | .68           |

One Dozen Papers in a Package; 3 lbs to the Dozen.

(Cuts Full Size.)

**CORRUGATED STEEL FASTENERS.**

(Cuts Full Size.)

Are used in Making Boxes and Repairing Picture Frames or any Wood Article where a Joint Fastener is required. Have a Sharp Penetrating Lower Edge and can be Driven into Soft or Hard Wood.

**No. 500.**

| Size, inches                    | $\frac{9}{16} \times \frac{1}{4}$  | $\frac{9}{16} \times \frac{3}{8}$  | $\frac{11}{16} \times \frac{1}{4}$ | $\frac{11}{16} \times \frac{3}{8}$ | $\frac{11}{16} \times \frac{1}{2}$ | $\frac{11}{16} \times \frac{5}{8}$ | $\frac{11}{16} \times \frac{3}{4}$ |
|---------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Number of corrugations          | 3                                  | 3                                  | 4                                  | 4                                  | 4                                  | 4                                  | 4                                  |
| Weight per thousand about, lbs. | 7 $\frac{1}{2}$                    | 1 $\frac{1}{4}$                    | 1 $\frac{1}{2}$                    | 1 $\frac{1}{4}$                    | 2 $\frac{1}{2}$                    | 2 $\frac{1}{2}$                    | 3 $\frac{1}{4}$                    |
| Per 1,000                       | \$.060                             | .75                                | .75                                | .95                                | 1.00                               | 1.25                               | 1.45                               |
| Size, inches                    | $\frac{15}{16} \times \frac{1}{4}$ | $\frac{15}{16} \times \frac{3}{8}$ | $\frac{15}{16} \times \frac{1}{2}$ | $\frac{15}{16} \times \frac{5}{8}$ | $\frac{15}{16} \times \frac{3}{4}$ | $\frac{15}{16} \times \frac{5}{8}$ | $\frac{11}{8} \times \frac{1}{2}$  |
| Number of corrugations          | 5                                  | 5                                  | 5                                  | 5                                  | 5                                  | 6                                  | 6                                  |
| Weight per thousand about, lbs. | 1 $\frac{1}{2}$                    | 2 $\frac{1}{4}$                    | 3                                  | 3 $\frac{1}{4}$                    | 4 $\frac{1}{2}$                    | 5                                  | 3 $\frac{1}{2}$                    |
| Per 1,000                       | \$.090                             | 1.20                               | 1.25                               | 1.55                               | 1.80                               | 1.85                               | 1.50                               |

One-half Thousand in a Package.

**No. 100.**

| Size, inches                    | $\frac{9}{16} \times \frac{1}{4}$  | $\frac{9}{16} \times \frac{3}{8}$  | $\frac{11}{16} \times \frac{1}{4}$ | $\frac{11}{16} \times \frac{3}{8}$ | $\frac{11}{16} \times \frac{1}{2}$ | $\frac{11}{16} \times \frac{5}{8}$ | $\frac{11}{16} \times \frac{3}{4}$ |
|---------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Number of corrugations          | 3                                  | 3                                  | 4                                  | 4                                  | 4                                  | 4                                  | 4                                  |
| Weight per thousand about, lbs. | 1                                  | 1 $\frac{1}{4}$                    | 1 $\frac{1}{2}$                    | 1 $\frac{1}{4}$                    | 2 $\frac{1}{2}$                    | 3                                  | 3 $\frac{1}{4}$                    |
| Per 1,000                       | \$.060                             | .75                                | .75                                | .95                                | 1.05                               | 1.30                               | 1.45                               |
| Size, inches                    | $\frac{15}{16} \times \frac{1}{4}$ | $\frac{15}{16} \times \frac{3}{8}$ | $\frac{15}{16} \times \frac{1}{2}$ | $\frac{15}{16} \times \frac{5}{8}$ | $\frac{15}{16} \times \frac{3}{4}$ | $\frac{15}{16} \times \frac{5}{8}$ | $\frac{11}{8} \times \frac{1}{2}$  |
| Number of corrugations          | 5                                  | 5                                  | 5                                  | 5                                  | 5                                  | 6                                  | 6                                  |
| Weight per thousand about, lbs. | 1 $\frac{1}{2}$                    | 2 $\frac{1}{4}$                    | 3                                  | 3 $\frac{1}{4}$                    | 4 $\frac{1}{2}$                    | 5                                  | 3 $\frac{1}{2}$                    |
| Per 1,000                       | \$.090                             | 1.20                               | 1.30                               | 1.70                               | 1.85                               | 1.85                               | 1.50                               |

One Hundred in a Package.

**CHANNEL NAILS.**

Channel Nails, Swedes Iron, put up in 1/2 lb. Papers.

| Inches  | $3\frac{1}{2}$       | 4                  | $4\frac{1}{2}$     | 5   | $5\frac{1}{2}$ |
|---------|----------------------|--------------------|--------------------|-----|----------------|
| Per lb. | \$.28 $\frac{2}{10}$ | .25 $\frac{5}{10}$ | .23 $\frac{8}{10}$ | .22 | .22            |

**ZINC GLAZIERS' POINTS.**

No. 2.



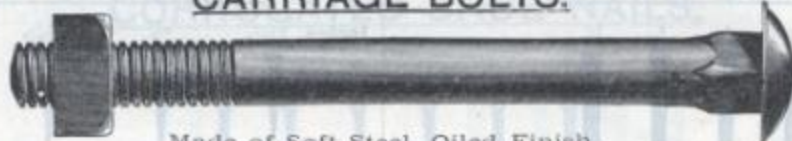
No. 0.

Per Dozen Papers

No. 2 $\frac{1}{4}$ —One-quarter Pound Papers .....\$.66No. 1 $\frac{1}{4}$ —One-quarter Pound Papers ..... .66No. 0 $\frac{1}{4}$ —One-quarter Pound Papers ..... .66

One Dozen Papers in a Package; Twenty-eight Dozen in a Case.

## CARRIAGE BOLTS.



Made of Soft Steel, Oiled Finish.

Standard List, Adopted and Effective June 1st, 1908.  
Per 100.

| Length,<br>Inches | Diameter, Inches |        |        |        |          |          |          |          |          |
|-------------------|------------------|--------|--------|--------|----------|----------|----------|----------|----------|
|                   | 3/16             | 1/4    | 5/16   | 3/8    | 7/16     | 1/2      | 9/16     | 5/8      | 3/4      |
| 1                 | \$1.00           | \$1.00 | \$1.40 | \$1.90 | ‡ \$2.20 | ‡ \$3.00 | ‡ \$5.20 | ‡ \$5.20 | ‡ \$7.20 |
| 1 1/2             | 1.00             | 1.00   | 1.40   | 1.90   | ‡ 2.20   | ‡ 3.00   | ‡ 5.20   | ‡ 5.20   | ‡ 7.20   |
| 1 3/4             | 1.00             | 1.00   | 1.40   | 1.90   | ‡ 2.20   | ‡ 3.00   | ‡ 5.20   | ‡ 5.20   | ‡ 7.20   |
| 1 7/8             | 1.04             | 1.04   | 1.46   | 1.98   | ‡ 2.29   | ‡ 3.00   | ‡ 5.20   | ‡ 5.20   | ‡ 7.20   |
| 2                 | 1.08             | 1.08   | 1.52   | 2.06   | ‡ 2.38   | ‡ 3.00   | ‡ 5.20   | ‡ 5.20   | ‡ 7.20   |
| 2 1/4             | 1.12             | 1.12   | 1.58   | 2.14   | ‡ 2.47   | ‡ 3.00   | ‡ 5.20   | ‡ 5.20   | ‡ 7.20   |
| 2 1/2             | 1.16             | 1.16   | 1.64   | 2.22   | ‡ 2.56   | ‡ 3.00   | ‡ 5.20   | ‡ 5.20   | ‡ 7.20   |
| 2 3/4             | ‡ 1.20           | 1.20   | 1.70   | 2.30   | ‡ 2.65   | ‡ 3.11   | ‡ 5.37   | ‡ 5.37   | ‡ 7.43   |
| 3                 | 1.24             | 1.24   | 1.76   | 2.38   | ‡ 2.74   | ‡ 3.22   | ‡ 5.54   | ‡ 5.54   | ‡ 7.66   |
| 3 1/4             | ‡ 1.28           | 1.28   | 1.82   | 2.46   | ‡ 2.83   | ‡ 3.33   | ‡ 5.71   | ‡ 5.71   | ‡ 7.89   |
| 3 1/2             | ‡ 1.32           | 1.32   | 1.88   | 2.54   | ‡ 2.92   | ‡ 3.44   | ‡ 5.88   | ‡ 5.88   | ‡ 8.12   |
| 3 3/4             | ‡ 1.36           | 1.36   | 1.94   | 2.62   | ‡ 3.01   | ‡ 3.55   | ‡ 6.05   | ‡ 6.05   | ‡ 8.35   |
| 4                 | ‡ 1.40           | 1.40   | 2.00   | 2.70   | ‡ 3.10   | ‡ 3.66   | ‡ 6.22   | ‡ 6.22   | ‡ 8.58   |
| 4 1/4             | ‡ 1.44           | 1.44   | 2.06   | 2.78   | ‡ 3.19   | ‡ 3.77   | ‡ 6.39   | ‡ 6.39   | ‡ 8.81   |
| 4 1/2             | ‡ 1.48           | 1.48   | 2.12   | 2.86   | ‡ 3.28   | ‡ 3.88   | ‡ 6.56   | ‡ 6.56   | ‡ 9.04   |
| 4 3/4             | ‡ 1.52           | 1.52   | 2.18   | 2.94   | ‡ 3.37   | ‡ 3.99   | ‡ 6.73   | ‡ 6.73   | ‡ 9.27   |
| 5                 | ‡ 1.56           | 1.56   | 2.24   | 3.02   | ‡ 3.46   | ‡ 4.10   | ‡ 6.90   | ‡ 6.90   | ‡ 9.50   |
| 5 1/4             |                  |        |        | 3.10   |          |          |          |          |          |
| 5 1/2             | ‡ 1.64           | 1.64   | 2.36   | 3.18   | ‡ 3.64   | ‡ 4.32   | ‡ 7.24   | ‡ 7.24   | ‡ 9.96   |
| 5 3/4             |                  |        |        | 3.26   |          |          |          |          |          |
| 6                 | ‡ 1.72           | 1.72   | 2.48   | 3.34   | ‡ 3.82   | ‡ 4.54   | ‡ 7.58   | ‡ 7.58   | ‡ 10.42  |
| 6 1/4             |                  |        |        | 3.42   |          |          |          |          |          |
| 6 1/2             | ‡ 1.80           | 1.80   | 2.60   | 3.50   | ‡ 4.00   | ‡ 4.76   | ‡ 7.92   | ‡ 7.92   | ‡ 10.88  |
| 6 3/4             |                  |        |        | 3.58   |          |          |          |          |          |
| 7                 | ‡ 1.88           | 1.88   | 2.72   | 3.66   | ‡ 4.18   | ‡ 4.98   | ‡ 8.26   | ‡ 8.26   | ‡ 11.34  |
| 7 1/4             | ‡ 1.96           | ‡ 1.96 | 2.84   | 3.82   | ‡ 4.36   | ‡ 5.20   | ‡ 8.60   | ‡ 8.60   | ‡ 11.80  |
| 7 1/2             | ‡ 2.04           | ‡ 2.04 | 2.96   | 3.98   | ‡ 4.54   | ‡ 5.42   | ‡ 8.94   | ‡ 8.94   | ‡ 12.26  |
| 8                 | ‡ 2.12           | ‡ 2.12 | ‡ 3.08 | 4.14   | ‡ 4.72   | ‡ 5.64   | ‡ 9.28   | ‡ 9.28   | ‡ 12.72  |
| 8 1/4             | ‡ 2.20           | ‡ 2.20 | ‡ 3.20 | 4.30   | ‡ 4.90   | ‡ 5.86   | ‡ 9.62   | ‡ 9.62   | ‡ 13.18  |
| 9                 | ‡ 2.28           | ‡ 2.28 | ‡ 3.32 | 4.46   | ‡ 5.08   | ‡ 6.08   | ‡ 9.96   | ‡ 9.96   | ‡ 13.64  |
| 9 1/4             | ‡ 2.36           | ‡ 2.36 | ‡ 3.44 | 4.62   | ‡ 5.26   | ‡ 6.30   | ‡ 10.30  | ‡ 10.30  | ‡ 14.10  |
| 10                |                  |        |        | 4.78   |          | ‡ 6.52   |          |          |          |
| 10 1/4            | ‡ 2.52           | ‡ 2.52 | ‡ 3.68 | 4.94   | ‡ 5.62   | ‡ 6.74   | ‡ 10.98  | ‡ 10.98  | ‡ 15.02  |
| 11                | ‡ 2.68           | ‡ 2.68 | ‡ 3.92 | 5.26   | ‡ 5.98   | ‡ 7.18   | ‡ 11.66  | ‡ 11.66  | ‡ 15.94  |
| 12                | ‡ 2.84           | ‡ 2.84 | ‡ 4.16 | 5.58   | ‡ 6.34   | ‡ 7.62   | ‡ 12.34  | ‡ 12.34  | ‡ 16.86  |
| 13                | ‡ 3.00           | ‡ 3.00 | ‡ 4.40 | 5.90   | ‡ 6.70   | ‡ 8.06   | ‡ 13.02  | ‡ 13.02  | ‡ 17.78  |
| 14                | ‡ 3.16           | ‡ 3.16 | ‡ 4.64 | ‡ 6.22 | ‡ 7.06   | ‡ 8.50   | ‡ 13.70  | ‡ 13.70  | ‡ 18.70  |
| 15                | ‡ 3.32           | ‡ 3.32 | ‡ 4.88 | ‡ 6.54 | ‡ 7.42   | ‡ 8.94   | ‡ 14.38  | ‡ 14.38  | ‡ 19.62  |
| 16                | ‡ 3.48           | ‡ 3.48 | ‡ 5.12 | ‡ 6.86 | ‡ 7.78   | ‡ 9.38   | ‡ 15.06  | ‡ 15.06  | ‡ 20.54  |
| 17                | ‡ 3.64           | ‡ 3.64 | ‡ 5.36 | ‡ 7.18 | ‡ 8.14   | ‡ 9.82   | ‡ 15.74  | ‡ 15.74  | ‡ 21.46  |
| 18                | ‡ 3.80           | ‡ 3.80 | ‡ 5.60 | ‡ 7.50 | ‡ 8.50   | ‡ 10.26  | ‡ 16.42  | ‡ 16.42  | ‡ 22.38  |
| 19                | ‡ 3.96           | ‡ 3.96 | ‡ 5.84 | ‡ 7.82 | ‡ 8.86   | ‡ 10.70  | ‡ 17.10  | ‡ 17.10  | ‡ 23.30  |
| 20                |                  |        |        |        |          | ‡ 11.58  |          |          |          |
| 22                |                  |        |        |        |          | ‡ 12.46  |          |          |          |
| 24                |                  |        |        |        |          |          |          |          |          |

5/16 and 1/4 inch, One Hundred in a Package.  
 3/8 above 9 inch, One-quarter Hundred in a Package.  
 1/2 above 8 1/2 inch, One-quarter Hundred in a Package.  
 1/2 above 7 1/2 inch, One-quarter Hundred in a Package.

5/8 and 3/4 up to 9 inch, One-half Hundred in a Package.  
 7/8 up to 7 1/2 inch, One-half Hundred in a Package.  
 1 up to 7 1/2 inch, One-half Hundred in a Package.  
 3/4 inch, One-quarter Hundred in a Package.

Number of Carriage Bolts packed in case varies with size of Bolt. Bolts are packed 300 to 400 lbs. in a case.  
 For Table of Weights see Page 2119.

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## MACHINE BOLTS.



U. S. STANDARD THREAD.

Made of Soft Steel, Oiled Finish.

With Square Heads, Square Nuts and Finished Points.

Standard List, Adopted Sept. 20th, 1899, to take effect Oct. 1st, 1899.

Per 100.

| Length, Inches. | Diameter, Inches. |          |         |          |         |          |         |         |         |        |           |           |
|-----------------|-------------------|----------|---------|----------|---------|----------|---------|---------|---------|--------|-----------|-----------|
|                 | 1/4 in.           | 5/16 in. | 3/8 in. | 7/16 in. | 1/2 in. | 9/16 in. | 5/8 in. | 3/4 in. | 7/8 in. | 1 in.  | 1 1/8 in. | 1 1/4 in. |
| 1               | \$ 1.70           | \$ 2.00  | \$ 2.40 | \$ 2.80  | \$ 3.00 | \$....   | \$....  | \$....  | \$....  | \$.... | \$....    | \$....    |
| 1 1/2           | 1.70              | 2.00     | 2.40    | 2.80     | 3.00    | 5.20     | 5.20    | 7.20    | 10.50   | 15.10  | 22.50     | 30.00     |
| 1 3/4           | 1.70              | 2.00     | 2.40    | 2.80     | 3.00    | 5.58     | 5.58    | 7.70    | 11.20   | 16.00  | 23.70     | 31.50     |
| 2               | 1.78              | 2.12     | 2.50    | 3.00     | 3.86    | 5.96     | 5.96    | 8.20    | 11.90   | 16.90  | 24.90     | 33.00     |
| 2 1/2           | 1.80              | 2.24     | 2.72    | 3.20     | 4.12    | 6.34     | 6.34    | 8.70    | 12.60   | 17.80  | 26.10     | 34.50     |
| 3               | 1.94              | 2.36     | 2.88    | 3.40     | 4.38    | 6.72     | 6.72    | 9.20    | 13.30   | 18.70  | 27.30     | 36.00     |
| 3 1/2           | 2.02              | 2.48     | 3.04    | 3.60     | 4.64    | 7.10     | 7.10    | 9.70    | 14.00   | 19.60  | 28.50     | 37.50     |
| 4               | 2.10              | 2.60     | 3.20    | 3.80     | 4.90    | 7.48     | 7.48    | 10.20   | 14.70   | 20.50  | 29.70     | 39.00     |
| 4 1/2           | 2.18              | 2.72     | 3.36    | 4.00     | 5.16    | 7.86     | 7.86    | 10.70   | 15.40   | 21.40  | 30.90     | 40.50     |
| 5               | 2.26              | 2.84     | 3.52    | 4.20     | 5.42    | 8.24     | 8.24    | 11.20   | 16.10   | 22.30  | 32.10     | 42.00     |
| 5 1/2           | 2.34              | 2.96     | 3.68    | 4.40     | 5.68    | 8.62     | 8.62    | 11.70   | 16.80   | 23.20  | 33.30     | 43.50     |
| 6               | 2.42              | 3.08     | 3.84    | 4.60     | 5.94    | 9.00     | 9.00    | 12.20   | 17.50   | 24.10  | 34.50     | 45.00     |
| 6 1/2           | 2.50              | 3.20     | 4.00    | 4.80     | 6.20    | 9.38     | 9.38    | 12.70   | 18.20   | 25.00  | 35.70     | 46.50     |
| 7               | 2.58              | 3.32     | 4.16    | 5.00     | 6.46    | 9.76     | 9.76    | 13.20   | 18.90   | 25.90  | 36.90     | 48.00     |
| 7 1/2           | 2.66              | 3.44     | 4.32    | 5.20     | 6.72    | 10.14    | 10.14   | 13.70   | 19.60   | 26.80  | 38.10     | 49.50     |
| 8               | 2.74              | 3.56     | 4.48    | 5.40     | 6.98    | 10.50    | 10.50   | 14.20   | 20.30   | 27.70  | 39.30     | 51.00     |
| 9               | 2.90              | 3.80     | 4.80    | 5.80     | 7.50    | 11.66    | 11.66   | 15.70   | 22.40   | 30.40  | 42.90     | 55.50     |
| 10              | 3.06              | 4.04     | 5.12    | 6.20     | 8.02    | 12.42    | 12.42   | 16.70   | 23.80   | 32.20  | 45.30     | 58.50     |
| 11              | 3.22              | 4.28     | 5.44    | 6.60     | 8.54    | 13.18    | 13.18   | 17.70   | 25.20   | 34.00  | 47.70     | 61.50     |
| 12              | 3.38              | 4.52     | 5.76    | 7.00     | 9.06    | 13.94    | 13.94   | 18.70   | 26.60   | 35.80  | 50.10     | 64.50     |
| 13              | .....             | .....    | 6.08    | 7.40     | 9.58    | 14.70    | 14.70   | 19.70   | 28.00   | 37.60  | 52.50     | 67.50     |
| 14              | .....             | .....    | 6.40    | 7.80     | 10.10   | 15.46    | 15.46   | 20.70   | 29.40   | 39.40  | 54.90     | 70.50     |
| 15              | .....             | .....    | 6.72    | 8.20     | 10.62   | 16.22    | 16.22   | 21.70   | 30.80   | 41.20  | 57.30     | 73.50     |
| 16              | .....             | .....    | 7.04    | 8.60     | 11.14   | 16.98    | 16.98   | 22.70   | 32.20   | 43.00  | 59.70     | 76.50     |
| 17              | .....             | .....    | .....   | .....    | 11.66   | 17.74    | 17.74   | 23.70   | 33.60   | 44.80  | 62.10     | 79.50     |
| 18              | .....             | .....    | .....   | .....    | 12.18   | 18.50    | 18.50   | 24.70   | 35.00   | 46.60  | 64.50     | 82.50     |
| 19              | .....             | .....    | .....   | .....    | 12.70   | 19.26    | 19.26   | 25.70   | 36.40   | 48.40  | 66.90     | 85.50     |
| 20              | .....             | .....    | .....   | .....    | 13.22   | .....    | .....   | 26.70   | 37.80   | 50.20  | 69.30     | 88.50     |
| 21              | .....             | .....    | .....   | .....    | .....   | .....    | .....   | 27.70   | 39.20   | 52.00  | 71.70     | 91.50     |
| 22              | .....             | .....    | .....   | .....    | .....   | .....    | .....   | 28.70   | 40.60   | 53.80  | 74.10     | 94.50     |
| 23              | .....             | .....    | .....   | .....    | .....   | .....    | .....   | 29.70   | 42.00   | 55.60  | 76.50     | 97.50     |
| 24              | .....             | .....    | .....   | .....    | 15.30   | .....    | 23.30   | 30.70   | 43.40   | 57.40  | 78.90     | 100.50    |
| 25              | .....             | .....    | .....   | .....    | 16.34   | .....    | 23.82   | 31.70   | 44.80   | 59.20  | 81.30     | 103.50    |
| 26              | .....             | .....    | .....   | .....    | .....   | .....    | .....   | 32.70   | 46.20   | 61.00  | 83.70     | 106.50    |
| 27              | .....             | .....    | .....   | .....    | .....   | .....    | .....   | 33.70   | 47.60   | 62.80  | 86.10     | 109.50    |
| 28              | .....             | .....    | .....   | .....    | .....   | .....    | .....   | 34.70   | 49.00   | 64.60  | 88.50     | 112.50    |
| 29              | .....             | .....    | .....   | .....    | .....   | .....    | .....   | 35.70   | 50.40   | 66.40  | 90.90     | 115.50    |
| 30              | .....             | .....    | .....   | .....    | .....   | .....    | .....   | .....   | .....   | .....  | .....     | .....     |

† Extras.

† Bolts with Hexagon Heads or Hexagon Nuts, 10% extra.

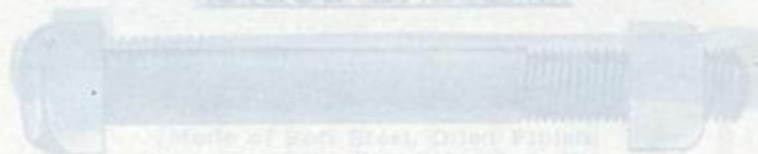
† If both Hexagon Heads and Hexagon Nuts, 20% extra.

† Joint Bolts with Oblong Nuts, Bolts with Tee Heads, Askew Heads and Eccentric Heads, 20% extra.

1/4 inch, One Hundred in a Package; 5/16, 3/8, 7/16 and 1/2 inch up to 7 inches, One-half Hundred in a Package; 3/4 inch and above 8 inches, One-quarter Hundred in a Package; 1 inch and 1 1/4 inches, One-quarter Hundred in a Package.

Number of Machine Bolts Packed in a Case varied with Size of Bolt. Machine Bolts are Packed 300 to 400 lbs. in a Case.

For Table of Weights see Page 2119.



## COACH OR LAG SCREWS.



GIMLET POINTED.

Made of Soft Steel, Oiled Finish.

Manufacturers' List, Adopted and Effective Nov. 12th, 1908.

Square Heads.

Per 100.

| Length,<br>Inches | Diameter, Inches. |               |                |               |               |               |               |         |
|-------------------|-------------------|---------------|----------------|---------------|---------------|---------------|---------------|---------|
|                   | $\frac{5}{16}$    | $\frac{3}{8}$ | $\frac{7}{16}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$ | 1       |
| $1\frac{1}{2}$    | \$2.25            | \$2.70        | ± \$ 3.15      | ± \$ 3.75     | \$            | \$            | \$            | \$      |
| 2                 | 2.45              | 2.95          | ± 3.47         | 4.11          | ± 6.00        | ....          | ....          | ....    |
| $2\frac{1}{2}$    | 2.65              | 3.22          | ± 3.79         | 4.47          | ± 6.50        | ± 9.20        | ....          | ....    |
| 3                 | 2.85              | 3.48          | ± 4.11         | 4.83          | 7.00          | ± 9.90        | ± 15.00       | ....    |
| $3\frac{1}{2}$    | 3.05              | 3.74          | ± 4.43         | 5.19          | 7.50          | ± 10.60       | ± 16.00       | ± 22.00 |
| 4                 | 3.25              | 4.00          | ± 4.75         | 5.55          | 8.00          | 11.30         | ± 17.00       | ± 23.30 |
| $4\frac{1}{2}$    | 3.45              | 4.26          | ± 5.07         | 5.91          | ± 8.50        | ± 12.00       | ± 18.00       | ± 24.60 |
| 5                 | 3.65              | 4.52          | ± 5.39         | 6.27          | 9.00          | 12.70         | ± 19.00       | ± 25.90 |
| $5\frac{1}{2}$    | 3.85              | 4.78          | ± 5.71         | 6.63          | ± 9.50        | ± 13.40       | ± 20.00       | ± 27.20 |
| 6                 | 4.05              | 5.04          | ± 6.03         | 6.99          | 10.00         | 14.10         | ± 21.00       | ± 28.50 |
| $6\frac{1}{2}$    | ....              | ....          | ± 6.35         | 7.35          | ± 10.50       | ± 14.80       | ± 22.00       | ± 29.80 |
| 7                 | ....              | ....          | ± 6.67         | 7.71          | 11.00         | 15.50         | ± 23.00       | ± 31.10 |
| $7\frac{1}{2}$    | ....              | ....          | ± 6.99         | ± 8.07        | ± 11.50       | ± 16.20       | ± 24.00       | ± 32.40 |
| 8                 | ....              | ....          | ± 7.31         | 8.43          | 12.00         | 16.90         | ± 25.00       | ± 33.70 |
| 9                 | ....              | ....          | ± 7.63         | 9.15          | 13.00         | 18.30         | ± 27.00       | ± 36.30 |
| 10                | ....              | ....          | ....           | ± 9.87        | 14.00         | 19.70         | ± 29.00       | ± 38.90 |
| 11                | ....              | ....          | ....           | ± 10.59       | ± 15.00       | ± 21.10       | ± 31.00       | ± 41.50 |
| 12                | ....              | ....          | ....           | ± 11.31       | ± 16.00       | 22.50         | ± 33.00       | ± 44.10 |

± Extra.

± Hexagon Heads, 10% Extra.

± Oro-Washery Screws, 20% Extra.

$\frac{5}{16}$ ,  $\frac{3}{8}$  and  $\frac{1}{2}$  inch, One-half Hundred in a Package;  $\frac{7}{16}$  and  $\frac{1}{2}$  inch, One-quarter Hundred in a Package.

Number of Coach Screws Packed in a Case varies with Size of Screw; Coach Screws are Packed 300 to 400 lbs. in a Case.

For Weights on Lag Screws see Page 2119.

-2121-

## STOVE BOLTS.

BESSEMER STEEL.

Standard List, Adopted March 1, 1907.



3/16 in.



1/4 in.



5/16 in.

## Flat Head.

3/16 inch Diameter.

|                            |        |     |       |       |       |       |       |       |       |       |
|----------------------------|--------|-----|-------|-------|-------|-------|-------|-------|-------|-------|
| Length, inches             | 1/2    | 5/8 | 3/4   | 7/8   | 1     | 1 1/4 | 1 1/2 | 1 3/4 | 2     | 2 1/2 |
| Weight per 100 about, lbs. | 3/4    | 1   | 1 1/4 | 1 3/4 | 1 3/4 | 1 3/4 | 1 3/4 | 2     | 2 1/4 | 2 3/4 |
| Per 100                    | \$0.85 | .85 | .85   | .90   | .90   | 1.00  | 1.10  | 1.15  | 1.20  | 1.30  |

1/4 inch Diameter.

|                            |        |       |       |       |       |       |       |       |       |       |       |       |
|----------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Length, inches             | 1/2    | 5/8   | 3/4   | 7/8   | 1     | 1 1/4 | 1 1/2 | 1 3/4 | 2     | 2 1/4 | 2 1/2 | 3     |
| Weight per 100 about, lbs. | 2      | 2 1/4 | 2 1/4 | 2 3/4 | 2 3/4 | 3 1/4 | 3 1/2 | 3 3/4 | 4 1/4 | 4 1/4 | 4 3/4 | 5 1/2 |
| Per 100                    | \$1.20 | 1.20  | 1.20  | 1.25  | 1.30  | 1.40  | 1.50  | 1.55  | 1.60  | 1.70  | 1.80  | 2.00  |

5/16 inch Diameter.

|                            |        |      |       |       |      |       |       |
|----------------------------|--------|------|-------|-------|------|-------|-------|
| Length, inches             | 3/4    | 1    | 1 1/4 | 1 1/2 | 2    | 2 1/4 | 3     |
| Weight per 100 about, lbs. | 3      | 4    | 4 1/4 | 5     | 6    | 7 1/2 | 8 3/4 |
| Per 100                    | \$1.75 | 1.85 | 1.95  | 2.05  | 2.30 | 2.50  | 2.70  |

100 in a Package.



3/16 in.



1/4 in.

## Round Head.

5/32 inch Diameter.

|                            |        |     |     |       |       |
|----------------------------|--------|-----|-----|-------|-------|
| Length, inches             | 1/2    | 5/8 | 3/4 | 1     | 1 1/4 |
| Weight per 100 about, lbs. | 1/2    | 3/4 | 1   | 1 1/4 | 1 3/4 |
| Per 100                    | \$0.85 | .85 | .85 | .90   | 1.00  |

3/16 inch Diameter.

|                            |        |       |       |       |       |       |       |       |       |       |
|----------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Length, inches             | 1/2    | 5/8   | 3/4   | 7/8   | 1     | 1 1/4 | 1 1/2 | 1 3/4 | 2     | 2 1/2 |
| Weight per 100 about, lbs. | 1      | 1 1/4 | 1 1/4 | 1 1/2 | 1 3/4 | 2     | 2 1/4 | 2 1/4 | 2 3/4 | 3 3/4 |
| Per 100                    | \$0.85 | .85   | .85   | .90   | .90   | 1.00  | 1.10  | 1.15  | 1.20  | 1.30  |

1/4 inch Diameter.

|                            |        |       |       |       |       |       |       |       |       |       |       |       |
|----------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Length, inches             | 1/2    | 5/8   | 3/4   | 7/8   | 1     | 1 1/4 | 1 1/2 | 1 3/4 | 2     | 2 1/4 | 2 1/2 | 3     |
| Weight per 100 about, lbs. | 2 1/4  | 2 1/4 | 2 3/4 | 2 3/4 | 2 3/4 | 3 1/4 | 3 1/2 | 3 3/4 | 4 1/4 | 4 1/4 | 5 1/4 | 6 1/4 |
| Per 100                    | \$1.20 | 1.20  | 1.20  | 1.25  | 1.30  | 1.40  | 1.50  | 1.55  | 1.60  | 1.70  | 1.80  | 2.00  |

100 in a Package.

Per Assortment

S. H. CO.\* Assortment Contains 10 each of the following Stove Bolts: Flat Head 3/16x3/4, 3/16x1, 1/4x3/4, 1/4x1.

1/4x1 1/4, 1/4x1 1/2; Round Head, 3/16x3/4, 3/16x1, 1/4x3/4, 1/4x1 inch; Weight per Assortment 1 1/2 lbs. .... \$0.92

One Hundred (One Assortment) in a Cardboard Box.

-2122-

**BOLTS.**

For Repairing Baby Carriages, with Square Nuts.

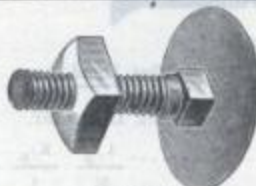
**Handy Assortment**—Consisting of Special Oval Head, Tinned: 64  $\frac{3}{16}$ x $\frac{1}{2}$  inch; 12  $\frac{1}{2}$  inch; 12  $\frac{3}{4}$  inch; Round Head, Slotted Stove, Tinned: 12  $\frac{3}{16}$ x1 inch..... \$2.00  
One Hundred in a Paper; Weight per 100 about 2 lbs.

Per Assortment

**ELEVATOR BOLTS.****Eclipse.**

Wrought Iron, Slotted Head.

$\frac{3}{4}$ x $\frac{3}{4}$  inch ..... Per 100 \$2.20  
Weight per 100 about 3 lbs.

**Excelsior.**

Wrought Iron.

Inches .....  $\frac{1}{4}$ x $\frac{1}{4}$   $\frac{1}{2}$ x $\frac{1}{2}$   $\frac{3}{4}$ x $\frac{3}{4}$   
Weight per 100 about, lbs. .... 3 $\frac{1}{2}$  3 $\frac{1}{2}$  3 $\frac{1}{2}$   
Per 100 ..... \$2.20 2.30 2.40

One Hundred in a Package; Packed Loose.

**Samson.**

Wrought Iron.

$\frac{1}{4}$ x $\frac{7}{8}$  inch Wide,  $1\frac{1}{16}$  inch ..... Per 100  
Head ..... \$2.50  
Weight per 100 about 3 $\frac{1}{2}$  lbs.

**IRON SET SCREWS.**

V Thread, Cup Point, Case Hardened. Per 100.

Diameter and Length of Head, same as Diameter of Screw.

| Diameter of Screw, Inches.     | $\frac{1}{4}$ | $\frac{5}{16}$ | $\frac{3}{8}$ | $\frac{7}{16}$ | $\frac{1}{2}$ | $\frac{9}{16}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$ | 1        | $1\frac{1}{8}$ | $1\frac{1}{4}$ |
|--------------------------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|---------------|---------------|----------|----------------|----------------|
| $\frac{1}{4}$ in.              | \$ 1.80       | \$ 2.00        | \$ 2.35       | \$ 2.50        | \$ 2.90       | \$ 3.40        | \$ 5.00       | \$ 5.00       | \$ 10.00      | \$ 15.50 | \$ 22.00       | \$ 24.00       |
| $\frac{3}{8}$ in.              | 2.00          | 2.20           | 2.50          | 2.90           | 3.40          | 5.00           | 5.00          | 10.00         | 15.50         | 22.00    | 24.00          | 24.00          |
| 1 in.                          | 2.15          | 2.35           | 2.65          | 3.10           | 3.80          | 5.75           | 5.75          | 10.00         | 15.50         | 22.00    | 24.00          | 24.00          |
| $1\frac{1}{8}$ in.             | 2.30          | 2.50           | 2.85          | 3.50           | 4.30          | 6.50           | 6.50          | 11.00         | 17.00         | 24.00    | 24.00          | 24.00          |
| $1\frac{1}{4}$ in.             | 2.50          | 2.70           | 3.10          | 4.00           | 4.80          | 7.25           | 7.25          | 12.00         | 18.00         | 24.00    | 24.00          | 24.00          |
| $1\frac{3}{8}$ in.             | 2.75          | 3.00           | 3.50          | 4.50           | 5.40          | 8.00           | 8.00          | 12.80         | 19.00         | 24.00    | 24.00          | 24.00          |
| 2 in.                          | 3.25          | 3.50           | 4.00          | 5.15           | 6.00          | 8.80           | 8.80          | 13.60         | 19.20         | 26.00    | 26.00          | 26.00          |
| $2\frac{1}{8}$ in.             | 3.75          | 4.00           | 4.50          | 5.75           | 6.75          | 9.60           | 9.60          | 14.50         | 20.70         | 28.00    | 28.00          | 28.00          |
| $2\frac{1}{4}$ in.             | 4.25          | 4.50           | 5.00          | 6.35           | 7.50          | 10.40          | 10.40         | 15.40         | 22.20         | 30.00    | 30.00          | 30.00          |
| $2\frac{3}{8}$ in.             | 4.75          | 5.00           | 5.50          | 6.75           | 8.25          | 11.20          | 11.20         | 16.30         | 23.70         | 32.00    | 32.00          | 32.00          |
| 3 in.                          | 5.25          | 5.50           | 6.00          | 7.20           | 9.00          | 12.00          | 12.00         | 17.30         | 25.20         | 34.00    | 34.00          | 34.00          |
| $3\frac{1}{8}$ in.             | 5.75          | 6.00           | 6.50          | 7.60           | 9.75          | 12.75          | 12.75         | 18.40         | 26.70         | 36.00    | 36.00          | 36.00          |
| $3\frac{1}{4}$ in.             | 6.25          | 6.50           | 7.00          | 8.00           | 10.50         | 13.50          | 13.50         | 19.50         | 28.20         | 38.00    | 38.00          | 38.00          |
| $3\frac{3}{8}$ in.             | 6.75          | 7.00           | 7.50          | 8.50           | 11.25         | 14.30          | 14.30         | 20.75         | 29.70         | 40.00    | 40.00          | 40.00          |
| 4 in.                          | 7.25          | 7.50           | 8.00          | 9.00           | 12.00         | 15.10          | 15.10         | 22.00         | 31.20         | 42.00    | 42.00          | 42.00          |
| $4\frac{1}{8}$ in.             | 7.75          | 8.00           | 8.50          | 9.50           | 12.75         | 15.90          | 15.90         | 23.50         | 32.70         | 44.00    | 44.00          | 44.00          |
| $4\frac{1}{4}$ in.             | 8.25          | 8.50           | 9.00          | 10.00          | 13.50         | 16.70          | 16.70         | 25.00         | 34.20         | 46.00    | 46.00          | 46.00          |
| $4\frac{3}{8}$ in.             | 8.75          | 9.00           | 9.50          | 10.50          | 14.30         | 17.50          | 17.50         | 26.50         | 35.70         | 48.00    | 48.00          | 48.00          |
| 5 in.                          | 9.25          | 9.50           | 10.00         | 11.00          | 15.10         | 18.30          | 18.30         | 28.00         | 37.20         | 50.00    | 50.00          | 50.00          |
| No. of Threads                 | 20            | 18             | 16            | 14             | 12            | 12             | 11            | 10            | 9             | 8        | 7              | 7              |
| Add for each $\frac{1}{4}$ in. | \$0.50        | .60            | .70           | .80            | .90           | 1.10           | 1.10          | 1.50          | 1.70          | 2.25     | 3.30           | 4.30           |

Approximate Weights, per Hundred, of Iron Set Screws;  $\frac{3}{8}$ x $\frac{1}{4}$ , 3 lbs.;  $\frac{1}{2}$ x1, 5 lbs.;  $\frac{7}{16}$ x $1\frac{1}{4}$ , 13 $\frac{1}{2}$  lbs.;  $\frac{3}{4}$ x $1\frac{1}{2}$ , 15 $\frac{1}{2}$  lbs.;  $\frac{3}{4}$ x1 $\frac{3}{4}$ , 28 lbs.;  $\frac{3}{4}$ x2, 30 lbs.;  $\frac{3}{4}$ x2 $\frac{1}{2}$ , 35 lbs.;  $\frac{3}{4}$ x3, 40 lbs.

Packed Loose.

Smaller sizes same price as  $\frac{1}{2}$  inch. None longer than 3 inch carried in stock.

Case Hardened Iron Set Screws are for many purposes, as good as Steel.

-2123-



Hexagon Head.

## CAP SCREWS.

BESSEMER STEEL.



Square Head.

## Square Finished Heads, V Thread, per 100.

| Diam. of Screw, in.                             | $\frac{1}{4}$      | $\frac{5}{16}$ | $\frac{3}{8}$ | $\frac{7}{16}$ | $\frac{1}{2}$ | $\frac{9}{16}$  | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$  | 1              | $1\frac{1}{8}$ | $1\frac{1}{4}$ |
|-------------------------------------------------|--------------------|----------------|---------------|----------------|---------------|-----------------|---------------|---------------|----------------|----------------|----------------|----------------|
| Diam. of Head, in.                              | $\frac{5}{8}$      | $\frac{7}{16}$ | $\frac{1}{2}$ | $\frac{9}{16}$ | $\frac{5}{8}$ | $\frac{11}{16}$ | $\frac{3}{4}$ | $\frac{7}{8}$ | $1\frac{1}{8}$ | $1\frac{1}{4}$ | $1\frac{3}{8}$ | $1\frac{1}{2}$ |
| Length of Head, in.                             | $\frac{1}{4}$      | $\frac{5}{16}$ | $\frac{3}{8}$ | $\frac{7}{16}$ | $\frac{1}{2}$ | $\frac{9}{16}$  | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$  | 1              | $1\frac{1}{8}$ | $1\frac{1}{4}$ |
| Length<br>under<br>Head to<br>Extreme<br>Point, | $\frac{1}{8}$ in.  | \$ 3.00        | \$ 3.25       | \$ 3.75        | \$ ...        | \$ ...          | \$ ...        | \$ ...        | \$ ...         | \$ ...         | \$ ...         | \$ ...         |
|                                                 | $\frac{9}{16}$ in. | 3.00           | 3.25          | 3.75           | 4.50          | 5.70            | .....         | .....         | .....          | .....          | .....          | .....          |
|                                                 | 1 in.              | 3.25           | 3.50          | 4.00           | 4.90          | 5.90            | 9.25          | 9.25          | .....          | .....          | .....          | .....          |
|                                                 | $1\frac{1}{8}$ in. | 3.50           | 3.75          | 4.25           | 5.30          | 6.50            | 9.50          | 9.50          | 12.50          | .....          | .....          | .....          |
|                                                 | $1\frac{1}{2}$ in. | 3.75           | 4.00          | 4.50           | 5.70          | 7.10            | 10.00         | 10.00         | 13.50          | 18.40          | .....          | .....          |
|                                                 | $1\frac{3}{8}$ in. | 4.00           | 4.25          | 4.85           | 6.10          | 7.70            | 10.75         | 10.75         | 14.50          | 19.70          | 22.75          | .....          |
|                                                 | 2 in.              | 4.25           | 4.85          | 5.20           | 6.50          | 8.30            | 11.50         | 11.50         | 15.50          | 21.00          | 25.00          | 34.00          |
|                                                 | $2\frac{1}{8}$ in. | 4.70           | 5.35          | 5.55           | 7.15          | 8.90            | 12.60         | 12.60         | 16.50          | 22.40          | 27.25          | 36.75          |
|                                                 | $2\frac{1}{2}$ in. | 5.25           | 5.80          | 6.00           | 7.50          | 9.50            | 13.80         | 13.00         | 17.50          | 23.70          | 29.50          | 39.50          |
|                                                 | $2\frac{3}{8}$ in. | 5.75           | 6.30          | 6.65           | 7.90          | 10.10           | 14.40         | 14.40         | 19.00          | 25.00          | 31.75          | 42.25          |
|                                                 | 3 in.              | 6.25           | 6.80          | 7.20           | 8.40          | 10.70           | 15.20         | 15.20         | 20.60          | 26.40          | 34.00          | 45.00          |
|                                                 | $3\frac{1}{8}$ in. | .....          | 7.30          | 7.80           | 9.15          | 11.50           | 16.00         | 16.00         | 22.10          | 28.20          | 36.25          | 47.75          |
|                                                 | $3\frac{1}{2}$ in. | .....          | .....         | 8.40           | 9.75          | 12.30           | 17.30         | 17.30         | 23.70          | 30.00          | 38.50          | 50.50          |
|                                                 | $3\frac{3}{8}$ in. | .....          | .....         | .....          | 10.50         | 13.10           | 18.60         | 18.60         | 25.30          | 31.80          | 40.75          | 53.25          |
|                                                 | 4 in.              | .....          | .....         | .....          | .....         | 13.30           | 19.90         | 19.90         | 26.90          | 33.60          | 43.00          | 56.00          |
|                                                 | $4\frac{1}{8}$ in. | .....          | .....         | .....          | .....         | .....           | 21.20         | 21.20         | 28.50          | 35.40          | 45.25          | 58.75          |
| $4\frac{1}{2}$ in.                              | .....              | .....          | .....         | .....          | .....         | .....           | 22.50         | 30.10         | 37.20          | 47.50          | 61.50          |                |
| $4\frac{3}{8}$ in.                              | .....              | .....          | .....         | .....          | .....         | .....           | .....         | 31.70         | 39.00          | 49.75          | 64.25          |                |
| 5 in.                                           | .....              | .....          | .....         | .....          | .....         | .....           | .....         | .....         | 40.80          | 52.00          | 67.00          |                |
| No. of Threads in.                              | 20                 | 18             | 16            | 14             | 12            | 12              | 11            | 10            | 9              | 8              | 7              | 7              |
| Add for each $\frac{1}{8}$ in.                  | 80.40              | .50            | .60           | .70            | .80           | 1.30            | 1.30          | 1.60          | 1.80           | 2.25           | 2.75           | 3.50           |



**FLAT HEAD IRON MACHINE SCREWS.**

### Rolled Thread.

| Threads<br>to<br>Inch | 12           | 14           | 16           | 18           | 20           | 22           | 24           | 26           | 28           | 30           | 34<br>or 36  |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Number                | 12           | 14           | 16           | 18           | 20           | 22           | 24           | 26           | 28           | 30           | 34<br>or 36  |
| Inches                | Per<br>Gross | Per<br>Gross | Per<br>Gross | Per<br>Gross | Per<br>Gross | Per<br>Gross | Per<br>Gross | Per<br>Gross | Per<br>Gross | Per<br>Gross | Per<br>Gross |
| 3/16                  | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 1/4                   | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 5/16                  | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 3/8                   | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 7/16                  | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 1/2                   | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 9/16                  | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 5/8                   | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 3/4                   | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 7/8                   | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 1                     | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 1 1/8                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 1 1/4                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 1 3/8                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 1 1/2                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 1 3/4                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 2                     | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 2 1/4                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 2 1/2                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 2 3/4                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 3                     | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 3 1/4                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 3 1/2                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 3 3/4                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 4                     | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 4 1/4                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 4 1/2                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 4 3/4                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 5                     | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 5 1/4                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 5 1/2                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 5 3/4                 | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |
| 6                     | 50.55        | 50.68        | 50.81        | 50.94        | 51.07        | 51.20        | 51.33        | 51.46        | 51.59        | 51.72        | 51.85        |

One Gross in a Package.

Weights per Gross of Some of the Principal Sellers.

|                                            |                   |                                            |                      |                                             |        |
|--------------------------------------------|-------------------|--------------------------------------------|----------------------|---------------------------------------------|--------|
| $\frac{1}{4}$ inch, No. 6, 32 Thread.....  | $\frac{1}{4}$ lb. | $\frac{1}{4}$ inch, No. 14, 26 Thread..... | $1\frac{1}{16}$ lbs. | 1 inch, No. 24, 16 Thread.....              | 5 lbs. |
| $\frac{1}{8}$ inch, No. 10, 24 Thread..... | $\frac{1}{2}$ lb. | $\frac{3}{8}$ inch, No. 14, 20 Thread..... | $\frac{1}{2}$ lbs.   | $1\frac{1}{2}$ inch, No. 16, 20 Thread..... | 2 lbs. |
| $\frac{1}{2}$ inch, No. 8, 32 Thread.....  | $\frac{3}{4}$ lb. | $\frac{1}{2}$ inch, No. 18, 18 Thread..... | $\frac{3}{4}$ lbs.   | $1\frac{1}{2}$ inch, No. 16, 18 Thread..... | 3 lbs. |
|                                            |                   | $\frac{3}{4}$ inch, No. 14, 20 Thread..... | 2 lbs.               |                                             |        |





ROUND HEAD BRASS MACHINE SCREWS.

[illegible]

One Gross In a Package.

Weights per Gross of Some of the Principal Sellers.

|                                   |            |                                    |            |
|-----------------------------------|------------|------------------------------------|------------|
| 1 1/4 inch, No. 6, 32 Thread..... | 3/8 lbs.   | 3/8 inch, No. 8, 32 Thread.....    | 4/5 lbs.   |
| 3/8 inch, No. 6, 32 Thread.....   | 3/2 lbs.   | 1 inch, No. 10, 24 Thread.....     | 1 1/2 lbs. |
| 3/8 inch, No. 10, 24 Thread.....  | 4/5 lbs.   | 1 1/2 inch, No. 14, 20 Thread..... | 3 lbs.     |
| 1 1/2 inch, No. 8, 32 Thread..... | 3 1/2 lbs. |                                    |            |





## NUTS.

BESSEMER STEEL.



Plain Square; Hot Punched.

United States Standard List, Adopted February 17th, 1899.

| Size of Bolt, inches | $\frac{1}{4}$  | $\frac{5}{16}$  | $\frac{3}{8}$     | $\frac{7}{16}$  | $\frac{1}{2}$   | $\frac{9}{16}$  | $\frac{5}{8}$      | $\frac{3}{4}$     | $\frac{7}{8}$      |
|----------------------|----------------|-----------------|-------------------|-----------------|-----------------|-----------------|--------------------|-------------------|--------------------|
| Width, inches        | $\frac{3}{8}$  | $\frac{10}{32}$ | $\frac{11}{16}$   | $\frac{25}{32}$ | $\frac{3}{4}$   | $\frac{31}{32}$ | $1\frac{1}{16}$    | $1\frac{3}{8}$    | $1\frac{7}{8}$     |
| Thickness, inches    | $\frac{3}{8}$  | $\frac{5}{16}$  | $\frac{3}{8}$     | $\frac{7}{16}$  | $\frac{3}{4}$   | $\frac{9}{16}$  | $\frac{5}{8}$      | $\frac{3}{4}$     | $\frac{7}{8}$      |
| Hole, inches         | $\frac{3}{16}$ | $\frac{1}{4}$   | $\frac{10}{64}$   | $\frac{11}{32}$ | $\frac{13}{32}$ | $\frac{29}{64}$ | $\frac{1}{2}$      | $\frac{5}{8}$     | $\frac{67}{64}$    |
| Number in 100 lbs.   | 6680           | 3540            | 2735              | 1694            | 1265            | 917             | 684                | 408               | 276                |
| Per lb.              | \$0.13         | .12             | .10 $\frac{1}{2}$ | .10             | .09             | .09             | .08 $\frac{7}{10}$ | .08 $\frac{1}{2}$ | .08 $\frac{4}{10}$ |

| Size of Bolt, inches | 1                     | $\frac{1\frac{1}{8}}$ | $\frac{1\frac{1}{4}}$ | $\frac{1\frac{3}{8}}$ | $\frac{1\frac{1}{2}}$ | $\frac{1\frac{5}{8}}$ | $\frac{1\frac{3}{4}}$ | $\frac{1\frac{7}{8}}$ | 2                  |
|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|
| Width, inches        | $1\frac{5}{8}$        | $1\frac{13}{16}$      | 2                     | $2\frac{1}{16}$       | $2\frac{3}{8}$        | $2\frac{11}{16}$      | $2\frac{3}{4}$        | $2\frac{13}{16}$      | $3\frac{1}{8}$     |
| Thickness, inches    | 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                  |
| Hole, inches         | $\frac{3}{16}$        | $\frac{15}{16}$       | $\frac{1}{2}$         | $\frac{13}{32}$       | $\frac{19}{32}$       | $\frac{125}{64}$      | $\frac{1}{2}$         | $\frac{15}{16}$       | $\frac{123}{32}$   |
| Number in 100 lbs.   | 188                   | 234                   | 103                   | 73                    | 60                    | 48                    | 37                    | 32                    | 27                 |
| Per lb.              | \$0.08 $\frac{4}{10}$ | .08 $\frac{4}{10}$    | .08 $\frac{4}{10}$    | .08 $\frac{1}{2}$     | .08 $\frac{6}{10}$    | .09                   | .09 $\frac{3}{10}$    | .09 $\frac{1}{2}$     | .09 $\frac{7}{10}$ |



Plain Hexagon; Hot Punched.

| Size of Bolt, inches | $\frac{1}{2}$  | $\frac{5}{16}$  | $\frac{3}{8}$   | $\frac{7}{16}$  | $\frac{1}{2}$      | $\frac{9}{16}$     | $\frac{5}{8}$     | $\frac{3}{4}$  | $\frac{7}{8}$      |
|----------------------|----------------|-----------------|-----------------|-----------------|--------------------|--------------------|-------------------|----------------|--------------------|
| Width, inches        | $\frac{1}{2}$  | $\frac{19}{32}$ | $\frac{11}{16}$ | $\frac{25}{32}$ | $\frac{1}{2}$      | $\frac{21}{32}$    | $1\frac{1}{16}$   | $1\frac{1}{4}$ | $1\frac{1}{8}$     |
| Thickness, inches    | $\frac{1}{4}$  | $\frac{5}{16}$  | $\frac{3}{8}$   | $\frac{7}{16}$  | $\frac{1}{2}$      | $\frac{9}{16}$     | $\frac{5}{8}$     | $\frac{3}{4}$  | $\frac{7}{8}$      |
| Hole, inches         | $\frac{9}{16}$ | $\frac{1}{4}$   | $\frac{10}{64}$ | $\frac{11}{32}$ | $\frac{13}{32}$    | $\frac{29}{64}$    | $\frac{1}{2}$     | $\frac{5}{8}$  | $\frac{67}{64}$    |
| Number in 100 lbs.   | 8700           | 4600            | 3000            | 2000            | 1500               | 1064               | 770               | 499            | 314                |
| Per lb.              | \$0.20         | .18             | .14             | .13             | .11 $\frac{2}{10}$ | .11 $\frac{2}{10}$ | .10 $\frac{1}{2}$ | .10            | .09 $\frac{7}{10}$ |

| Size of Bolt, inches | 1                     | $\frac{1\frac{1}{8}}$ | $\frac{1\frac{1}{4}}$ | $\frac{1\frac{3}{8}}$ | $\frac{1\frac{1}{2}}$ | $\frac{1\frac{5}{8}}$ | $\frac{1\frac{3}{4}}$ | $\frac{1\frac{7}{8}}$ | 2                  |
|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|
| Width, inches        | $1\frac{3}{8}$        | $1\frac{13}{16}$      | 2                     | $2\frac{1}{16}$       | $2\frac{3}{8}$        | $2\frac{11}{16}$      | $2\frac{3}{4}$        | $2\frac{13}{16}$      | $3\frac{1}{8}$     |
| Thickness, inches    | 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                  |
| Hole, inches         | $\frac{3}{16}$        | $\frac{15}{16}$       | $\frac{1}{2}$         | $\frac{13}{32}$       | $\frac{19}{32}$       | $\frac{125}{64}$      | $\frac{1}{2}$         | $\frac{15}{16}$       | $\frac{123}{32}$   |
| Number in 100 lbs.   | 218                   | 144                   | 125                   | 91                    | 72                    | 58                    | 48                    | 40                    | 31                 |
| Per lb.              | \$0.00 $\frac{8}{10}$ | .08 $\frac{8}{10}$    | .09 $\frac{8}{10}$    | .10                   | .10 $\frac{8}{10}$    | .10 $\frac{1}{2}$     | .10 $\frac{8}{10}$    | .11                   | .11 $\frac{2}{10}$ |

In 5 and 25 lb. Boxes; In 200 lb. Kegs.

2132

## IRON NUTS.



Threaded Square.

| For Bolt, inches    | 1/4     | 5/16  | 3/8   | 7/16  | 1/2   | 5/8    | 3/4   | 7/8    | 1     |
|---------------------|---------|-------|-------|-------|-------|--------|-------|--------|-------|
| Width, inches       | 1/2     | 19/32 | 11/16 | 25/32 | 7/8   | 1 1/16 | 1 3/4 | 1 7/16 | 1 5/8 |
| Thickness, inches   | 3/8     | 5/16  | 3/8   | 7/16  | 1/2   | 5/8    | 3/4   | 7/8    | 1     |
| Hole, inches        | 3/16    | 1/4   | 19/64 | 11/32 | 15/32 | 3/4    | 5/8   | 47/64  | 27/32 |
| Threads to the inch | 20      | 18    | 16    | 14    | 13    | 11     | 10    | 9      | 9     |
| Number in 100 lbs.  | 6680    | 3540  | 2739  | 1804  | 1265  | 684    | 408   | 276    | 199   |
| Per 100 lbs.        | \$15.00 | 13.50 | 11.60 | 10.90 | 9.70  | 9.20   | 8.90  | 8.80   | 8.80  |

In 5 and 25 lb. Boxes; In 200 lb. Kegs.



Threaded Hexagon.

Hot Punched; United States Standard.

| For Bolt, inches    | 3/8     | 1/2   | 5/8    | 3/4   | 7/8    | 1     |
|---------------------|---------|-------|--------|-------|--------|-------|
| Width, inches       | 1 1/16  | 7/8   | 1 1/16 | 1 3/4 | 1 7/16 | 1 5/8 |
| Thickness, inches   | 5/8     | 1 1/2 | 5/8    | 3/4   | 7/8    | 1     |
| Hole, inches        | 19/64   | 13/32 | 1/2    | 5/8   | 47/64  | 27/32 |
| Threads to the inch | 16      | 13    | 11     | 10    | 9      | 8     |
| Number in 100 lbs.  | 3200    | 1500  | 850    | 520   | 340    | 230   |
| Per 100 lbs.        | \$15.60 | 12.20 | 11.20  | 10.60 | 10.50  | 10.50 |

In 5 and 25 lb. Boxes; In 200 lb. Kegs.



Semi-Finished Hexagon.

Showing Finish of Bottom.

Chamfered, Trimmed and Reamed; Tapped and Bottom Faced True with V Thread.

| For Bolt, inches    | 1/4    | 5/16  | 3/8   | 7/16  | 1/2   | 5/8    | 3/4   | 7/8    | 1     | 1 1/8   |
|---------------------|--------|-------|-------|-------|-------|--------|-------|--------|-------|---------|
| Thickness, inches   | 1/2    | 9/16  | 3/4   | 7/16  | 1 1/2 | 5/8    | 3/4   | 7/8    | 1     | 1 1/8   |
| Diameter, inches    | 1/2    | 19/32 | 11/16 | 25/32 | 7/8   | 1 1/16 | 1 3/4 | 1 7/16 | 1 5/8 | 1 13/16 |
| Threads to the inch | 20     | 18    | 16    | 14    | 12    | 11     | 10    | 9      | 8     | 7       |
| Number in package   | 100    | 100   | 100   | 100   | 100   | 100    | 50    | 50     | 50    | 25      |
| Per 100             | \$2.00 | 2.50  | 3.25  | 3.75  | 4.50  | 6.50   | 8.50  | 12.00  | 16.50 | 22.00   |

Semi-Finished Hexagon Nuts are finished on the under side only, and not case hardened.

For Use on Cap and Set Screws.

— 2133 —

## MALLEABLE IRON THUMB NUTS.

Drilled and Tapped, with V Thread.

Threaded to Fit Cap and Set Screws.

100 in a Package.



Per 100

**No. T6**—Tapped Thumb Nuts,  
Malleable Iron,  $\frac{1}{4}$   
inch Diameter, 36 Threads  
to inch ..... \$1.50  
Weight per 100 about  $\frac{3}{4}$  lb.



Per 100

**No. TS—Tapped Thumb Nuts,**  
Malleable Iron,  $\frac{3}{16}$  inch  
Diameter, 24 Threads to  
inch ..... \$1.50  
Weight per 100 about  $1\frac{1}{4}$  lbs.



Per 100

**No. T10—Tapped Thumb**  
Nuts, Malleable Iron,  
 $\frac{1}{4}$  inch in Diameter, 20  
Threads to inch..... \$1.50  
Weight per 100 about  $1\frac{3}{4}$  lbs.



Per 100

**No. T12—Tapped Thumb**  
Nuts, Malleable Iron.  
 $\frac{5}{16}$  inch Diameter, 18  
Threads to inch ..... \$2.00  
Weight per 100 about  $2\frac{1}{2}$  lbs.



Per 100

**No. T14—Tapped Thumb**  
Nuts, Malleable Iron,  
¾ inch Diameter, 16  
Threads to inch..... \$2.50  
Weight per 100 about 4¾ lbs.



Per 100

**No. T16—Tapped Thumb**  
Nuts, Malleable Iron,  
 $\frac{1}{2}$  inch Diameter, 12  
Threads to inch..... \$4.00  
Weight per 100 about  $5\frac{1}{2}$  lbs.

## FORGED STEEL THUMB NUT BLANKS.



Per 100

**No. 1TN**—Thumb  
Nut Blanks, \$2.60  
Will Tap for  $\frac{5}{16}$  in. Bolt.  
Wgt. per 100 about 5 lbs.



Per 100

**No. 2TN—Thumb**  
Nut Blanks, \$3.25  
Will Tap for  $\frac{1}{2}$  in. Bolt.  
Wgt. per 100 about 10 lbs.



Per 100

**No. 3TN**—T h u m b  
Nut Blanks, \$4.00  
Will Tap for  $\frac{7}{16}$  in. Bolt.  
Wgt. per 100 about 12 lbs.



Per 100

**No. 4TN—T h u m b**  
Nut Blanks, \$5.00  
Will Tap for  $\frac{1}{2}$  in. Bolt.  
Wgt. per 100 about 18 lbs.

## FORGED STEEL THUMB-SCREW BLANKS.

Plain Finish.

[illegible]

-2134-

**WROUGHT WASHERS.**

Manufacturers' List, Adopted October 9th, 1895.

Wrought.

| Size of Bolt, inches           | $\frac{3}{16}$ | $\frac{1}{4}$     | $\frac{5}{16}$    | $\frac{3}{8}$     | $\frac{7}{16}$     | $\frac{1}{2}$     | $\frac{9}{16}$     | $\frac{5}{8}$  |
|--------------------------------|----------------|-------------------|-------------------|-------------------|--------------------|-------------------|--------------------|----------------|
| Diameter, inches               | $\frac{9}{16}$ | $\frac{3}{4}$     | $\frac{7}{8}$     | 1                 | $1\frac{1}{4}$     | $1\frac{1}{2}$    | $1\frac{3}{4}$     | $1\frac{7}{8}$ |
| Size of Hole, inches           | $\frac{3}{4}$  | $\frac{5}{8}$     | $\frac{3}{4}$     | $\frac{7}{8}$     | $1\frac{1}{8}$     | $1\frac{1}{4}$    | $1\frac{3}{8}$     | $1\frac{1}{2}$ |
| Thickness, Wire Gauge, Numbers | 18             | 16                | 14                | 12                | 10                 | 8                 | 6                  | 4              |
| Number in 100 lbs.             | 39400          | 13900             | 11250             | 6800              | 4300               | 3600              | 2255               | 1300           |
| Per pound                      | \$0.14         | .12 $\frac{1}{2}$ | .11 $\frac{2}{5}$ | .10 $\frac{1}{2}$ | .09 $\frac{7}{10}$ | .09 $\frac{1}{5}$ | .09 $\frac{1}{10}$ | .09            |

| Size of Bolt, inches           | $\frac{3}{4}$        | $\frac{7}{8}$     | 1                 | $1\frac{1}{4}$ | $1\frac{1}{2}$    |
|--------------------------------|----------------------|-------------------|-------------------|----------------|-------------------|
| Diameter, inches               | 2                    | $2\frac{1}{4}$    | $2\frac{1}{2}$    | 3              | $3\frac{1}{2}$    |
| Size of Hole, inches           | $1\frac{15}{16}$     | $1\frac{15}{16}$  | $1\frac{11}{16}$  | $1\frac{1}{2}$ | $1\frac{1}{8}$    |
| Thickness, Wire Gauge, Numbers | 10                   | 9                 | 9                 | 9              | 8                 |
| Number in 100 lbs.             | 1000                 | 867               | 634               | 400            | 260               |
| Per pound                      | \$0.08 $\frac{4}{5}$ | .08 $\frac{4}{5}$ | .08 $\frac{4}{5}$ | .09            | .09 $\frac{1}{5}$ |

In 5 and 25 lb. Boxes; In 200 lb. Kegs.

**MALLEABLE WASHERS.**Weight One-third of Cast  
Iron Washers.

Malleable.

| Size of Bolt, inches | $\frac{1}{2}$  | $\frac{5}{8}$  | $\frac{3}{4}$ | $\frac{7}{8}$  | 1              | $1\frac{1}{4}$ | $1\frac{1}{2}$ |
|----------------------|----------------|----------------|---------------|----------------|----------------|----------------|----------------|
| Diameter, inches     | $2\frac{1}{2}$ | 3              | 3             | $3\frac{1}{2}$ | 4              | 5              | 6              |
| Thickness, inches    | $\frac{3}{16}$ | $\frac{7}{16}$ | $\frac{1}{2}$ | $\frac{9}{16}$ | $\frac{9}{16}$ | $\frac{3}{4}$  | $\frac{3}{4}$  |
| Per pound            | .....          | .....          | .....         | .....          | .....          | .....          | .....          |

Comparative Weight of Malleable Iron Washers, Against the Old Style Cast Washers.

| Size of Bolt, inches                 | $\frac{1}{2}$  | $\frac{5}{8}$   | $\frac{3}{4}$  | $\frac{7}{8}$ | 1  | $1\frac{1}{4}$ | $1\frac{1}{2}$ |
|--------------------------------------|----------------|-----------------|----------------|---------------|----|----------------|----------------|
| Malleable Iron Washers, ounces, each | $2\frac{1}{3}$ | $3\frac{1}{3}$  | $5\frac{1}{3}$ | 8             | 11 | 24             | 30             |
| Cash Iron Washers, ounces, each      | 7              | $10\frac{1}{2}$ | 16             | 24            | 32 | 72             | 92             |

Packed Loose.

**JACK CHAINS.**

Double Iron.



Per Dozen Yards  
No. 10D—Gauge No. 8; Weight per package about  
5 lbs. .... \$0.95



Per Dozen Yards  
No. 15D—Gauge No. 13; Weight per package about  
1 $\frac{1}{4}$  lbs. .... \$0.43



Per Dozen Yards  
No. 18D—Gauge No. 17; Weight per package about  
 $\frac{3}{4}$  lb. .... \$0.33



Per Dozen Yards  
No. 12D—Gauge No. 11; Weight per package about  
4 lbs. .... \$0.65



Per Dozen Yards  
No. 16D—Gauge No. 15; Weight per package about  
1 lb. .... \$0.33



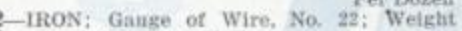
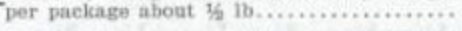
Per Dozen Yards  
No. 20D—Gauge No. 19; Weight per package about  
 $\frac{1}{2}$  lb. .... \$0.33

Twelve Yards in a Package.

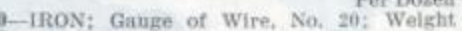
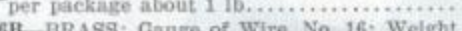
Cuts Actual Size.

**JACK CHAINS.**

Iron and Brass.

|                                                                                                                                                                       | Per Dozen Yards |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <br>No. 22—IRON; Gauge of Wire, No. 22; Weight<br>per package about 1/4 lb.....      | \$0.25          |
| <br>No. 22B—BRASS; Gauge of Wire, No. 22; Weight<br>per package about 1/4 lb.....    | .40             |
| <br>No. 18—IRON; Gauge of Wire, No. 18; Weight<br>per package about 1/2 lb.....      | \$0.28          |
| <br>No. 18B—BRASS; Gauge of Wire, No. 18; Weight<br>per package about 1/2 lb.....    | .60             |
| <br>No. 14—IRON; Gauge of Wire, No. 14; Weight<br>per package about 1 1/4 lbs.....   | \$0.40          |
| <br>No. 14B—BRASS; Gauge of Wire, No. 14; Weight<br>per package about 2 lbs.....     | 1.35            |
| <br>No. 10—IRON; Gauge of Wire, No. 10; Weight<br>per package about 4 lbs.....       | \$0.80          |
| <br>No. 10B—BRASS; Gauge of Wire, No. 10; Weight<br>per package about 4 1/4 lbs..... | 3.50            |

Twelve Yards in a Package.  
Cuts Full Size.

|                                                                                                                                                                        | Per Dozen Yards |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <br>No. 20—IRON; Gauge of Wire, No. 20; Weight<br>per package about 1/2 lb.....      | \$0.26          |
| <br>No. 20B—BRASS; Gauge of Wire, No. 20; Weight<br>per package about 1/2 lb.....    | .50             |
| <br>No. 16—IRON; Gauge of Wire, No. 16; Weight<br>per package about 1 lb.....        | \$0.30          |
| <br>No. 16B—BRASS; Gauge of Wire, No. 16; Weight<br>per package about 1 1/4 lbs..... | .86             |
| <br>No. 12—IRON; Gauge of Wire, No. 12; Weight<br>per package about 2 1/4 lbs.....   | \$0.44          |
| <br>No. 12B—BRASS; Gauge of Wire, No. 12; Weight<br>per package about 2 1/2 lbs..... | 2.06            |
| <br>No. 8—IRON; Gauge of Wire, No. 8.....                                            | \$0.95          |
| <br>No. 8G—GALV. IRON; Gauge of Wire, No. 8....                                      | 1.60            |
| <br>No. 8B—BRASS; Gauge of Wire, No. 8.....                                          | 5.25            |

Weight per Package about 6 1/2 lbs.

**SAFETY CHAINS.**

Brass.

|                                                                                                                                      | Per Dozen Yards |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <br>No. 3/0—Weight per package about 1/2 lb.....  | \$1.15          |
| <br>No. 2/0—Weight per package about 3/4 lb.....  | \$1.25          |
| <br>No. 0—Weight per package about 1 lb.....      | \$1.50          |
| <br>No. 1—Weight per package about 1 1/2 lbs..... | \$1.85          |
| <br>No. 2—Weight per package about 1 3/4 lbs..... | \$2.30          |
| <br>No. 3—Weight per package about 2 1/2 lbs..... | \$3.15          |

Twelve Yards in a Package.  
Cuts Full Size.

Nickel Plated.



No. N/0

Brass Safety Chain.

|                                                | Per Dozen Yards |
|------------------------------------------------|-----------------|
| No. N00—Weight per package about 3/4 lb.....   | \$1.50          |
| No. N0—Weight per package about 1 lb.....      | 1.75            |
| No. N1—Weight per package about 1 1/4 lbs..... | 2.10            |

**LADDER CHAIN.**

Brass.



No. L18

Brass Ladder Chain.

|                                                 | Per Dozen Yards |
|-------------------------------------------------|-----------------|
| No. L17—Weight per package about 1 1/2 lbs..... | \$2.50          |
| No. L18—Weight per package about 1 3/4 lbs..... | 2.25            |
| No. L19—Weight per package about 1 lb.....      | 2.00            |
| No. L20—Weight per package about 3/4 lb.....    | 1.75            |

-2137-

## COIL CHAINS.



Coil, Self Color, Welded and Proof Tested.

## Standard.

| Inches                             | 3/16 | 1/4  | 5/16 | 3/8  | 7/16 | 1/2  | 5/8  | 3/4   | 7/8   | 1     |
|------------------------------------|------|------|------|------|------|------|------|-------|-------|-------|
| Number of Links to the foot....    | 13   | 12   | 10   | 9    | 9    | 9    | 6    | 5     | 4     | 4     |
| Weight per 100 feet, lbs.....      | 45   | 75   | 110  | 150  | 200  | 250  | 400  | 590   | 790   | 1000  |
| Admiralty Proof Test Strain, lbs., | 700  | 1200 | 2500 | 3500 | 4800 | 6200 | 9000 | 13800 | 18800 | 24600 |
| Straight, per lb.....              | \$   |      |      |      |      |      |      |       |       |       |
| Twist, per lb.....                 | \$   |      |      |      |      |      |      |       |       |       |

Coil, B. B. B. Special High Grade Iron.

## B. B. B.

| Inches                             | 3/16 | 1/4  | 5/16 | 3/8  | 7/16 | 1/2  | 5/8   | 3/4   | 7/8   | 1     |
|------------------------------------|------|------|------|------|------|------|-------|-------|-------|-------|
| Number of Links to the foot....    | 16   | 15   | 14   | 12   | 11   | 10   | 7 1/2 | 6 1/2 | 5 1/2 | 5     |
| Weight per 100 feet, lbs.....      | 45   | 75   | 110  | 150  | 200  | 250  | 400   | 590   | 790   | 1000  |
| Admiralty Proof Test Strain, lbs., | 900  | 1500 | 3200 | 4425 | 6100 | 7850 | 12150 | 17475 | 23780 | 31200 |
| Straight, per lb.....              | \$   |      |      |      |      |      |       |       |       |       |
| Twist, per lb.....                 | \$   |      |      |      |      |      |       |       |       |       |

1000 lbs. in a Cask.

Coil, Genuine Swedes or Norway Iron.

## Norway.

| Inches                             | 3/16 | 1/4  | 5/16 | 3/8    | 7/16  | 1/2   | 5/8   | 3/4   | 7/8   | 1     |
|------------------------------------|------|------|------|--------|-------|-------|-------|-------|-------|-------|
| Number of Links to the foot....    | 14   | 13   | 12   | 10 1/2 | 9 1/2 | 8 1/2 | 7     | 6     | 5 1/4 | 4 1/4 |
| Weight per 100 feet, lbs.....      | 45   | 75   | 110  | 150    | 200   | 250   | 400   | 590   | 790   | 1000  |
| Admiralty Proof Test Strain, lbs., | 900  | 1500 | 3200 | 4425   | 6100  | 7850  | 12150 | 17475 | 23780 | 31200 |
| Straight, per lb.....              | \$   |      |      |        |       |       |       |       |       |       |

1000 lbs. in a Cask.

SAFE WORKING LOAD should be about one-half the above Proof Tests.

THE BREAKING STRAIN is about double the above Proof Tests.

Above scale is in conformity with the requirements of the United States and British Naval Departments.

To find the weight a chain will lift when rigged as a tackle: Multiply the ordinary safe load, which is one-half of the proof test shown in table, by the number of Sheaves at the movable block and subtract one-quarter for resistance.

To find the size chain necessary to lift a given weight: Divide the weight to be lifted by the number of Sheaves at the movable block, and add one-third for friction, then find from the safe working load one-half of the proof test shown in table, the corresponding strain and size chain.

## Estimated Weight Common Straight Link Coil Chain.

| Size Chain, inch. | Weight. | Size Chain, inch. | Weight. | Size Chain, inch. | Weight. | Size Chain, inch. | Weight. |
|-------------------|---------|-------------------|---------|-------------------|---------|-------------------|---------|
| 3/16              | 50      | 7/16              | 200     | 1 1/16            | 500     | 7/8               | 800     |
| 1/4               | 75      | 1/2               | 265     | 5/8               | 590     | 15/16             | 900     |
| 5/16              | 110     | 9/16              | 325     | 13/16             | 700     | 1                 | 1000    |
| 3/8               | 155     | 5/8               | 420     |                   |         |                   |         |

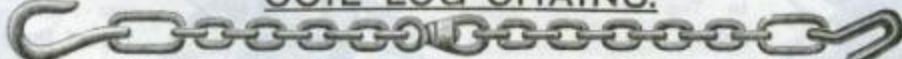
## Example.

Take for example 1/4 inch Coil, Self-Color, Welded Chain. The test strain on this size is 1200 pounds; the safe load would be 1/2 of the test strain (or 600 pounds), which would be 600 pounds, and if movable block has two sheaves, multiply the ordinary safe load (which is 600 pounds) by 2 and take 1/4 of amount for resistance, which will give you 900 pounds weight of chain will lift.

## To Find Size of Chain to Lift a Given Weight.

Take for example any article weighing 900 pounds to find size of chain necessary to lift this weight (900 lbs.), divide by the number of sheaves at the movable block, which is two sheaves, and add 1/3 of amount for friction which will give you 600 pounds weight to be lifted, which is 1/2 of the test strain, multiply 600 by 2 which will give you 1200 pounds test strain. Then if you will refer to your table you will find the test strain given is for 1/4 inch Chain.

## COIL LOG CHAINS.



Wrought Iron, Self Color, Welded Links and Hooks, Common Malleable Iron Swivel.

STANDARD, COIL LOG or Binding CLOSE LINK, 1 Regular Large Hook and 1 Grab Hook.

| Length, feet           | 10 | 12 | 14 | 16 |
|------------------------|----|----|----|----|
| 3/4 inch. Per lb.....  | \$ |    |    |    |
| 5/16 inch. Per lb..... | \$ |    |    |    |
| 3/8 inch. Per lb.....  | \$ |    |    |    |
| 1/2 inch. Per lb.....  | \$ |    |    |    |

Weight each about, 1/4 inch, 10 ft., 8 lbs.; 1/4 inch, 16 ft., 14 lbs.; 5/16 inch, 10 ft., 12 lbs.; 5/16 inch, 16 ft., 19 lbs.; 3/8 inch, 12 ft., 20 lbs.; 3/8 inch, 14 ft., 27 lbs.; 1/2 inch, 10 ft., 30 lbs.; 1/2 inch, 16 ft., 48 lbs.

1000 lbs. in a Cask.

TRADE MARK:  
"LIBERTY",  
REGISTERED.

-2354C-

# LANTERNS.

LIBERTY® RAILROAD.

All Liberty Rail-  
road Lanterns  
Have Wicks Fitted  
to Burners, Ready  
for Use.



All Liberty Railroad Lanterns are made of Heavy Tin and Heavy Steel Wire; the Tops are Drawn from One Piece of Material and are Without Seams.

The Frames, after being Set up and Soldered, are Submerged in a Vat of Hot Block Tin; This Process Double Solders every connection and gives a Fine Bright Finish as well as making them Rust-proof.

The Wind Guard is held in place with a Heavy Coil Spring which allows the Collar to fit perfectly the Top of the Globe regardless of whether the Globe is of exactly the right length or not.

All Lanterns on this page are furnished with our Regular No. 39 Globes.



Double Wire Guards;  
Tin Bottom; Seamless Bot-  
tom Oil Cup, held in place  
by a simple and most se-  
cure Brass Side Spring  
Fastening; Removed by  
pressing Spring outward  
and turning Oil Cup half-  
way around; Inside Wick  
Raiser; Diameter of Bot-  
tom 6½ inches; Height to  
Top of Dome 10½ inches.

Per Dozen

|                                                  |         |
|--------------------------------------------------|---------|
| No. 1R1—With No. 1 Burner (uses No. 1 Flat Wick) | \$10.50 |
| No. 1R2—With No. 2 Burner (uses No. 2 Flat Wick) | 11.00   |



Double Wire Guards;  
Wire Bottom; Seamless  
Bottom Oil Cup, held in  
place by a simple and  
most secure Brass Side  
Spring Fastening; Re-  
moved by pressing Spring  
outward and turning Oil  
Cup Half-way around; In-  
side Wick Raiser; Diame-  
ter of Bottom 7½ inches;  
Height to Top of Dome  
10½ inches.

Per Dozen

|                                                  |         |
|--------------------------------------------------|---------|
| No. 2R1—With No. 1 Burner (uses No. 1 Flat Wick) | \$11.00 |
| No. 2R2—With No. 2 Burner (uses No. 2 Flat Wick) | 11.50   |



Double Wire Guards;  
Wire Bottom; Seamless  
Bottom Oil Cup; Special  
Friction Oil Cup Holder;  
Oil Cup removed through  
Top from Inside; Outside  
Wick Raiser; Diameter of  
Bottom 7½ inches; Height  
to Top of Dome 10½  
inches.

Per Dozen

|                                                  |         |
|--------------------------------------------------|---------|
| No. 3R1—With No. 1 Burner (uses No. 1 Flat Wick) | \$11.50 |
| No. 3R2—With No. 2 Burner (uses No. 2 Flat Wick) | 12.00   |



Six Flat Steel Perpen-  
dicular and Double Wire  
Horizontal Guards; Wire  
Bottom; Seamless Bottom  
Oil Cup; Special Friction  
Oil Cup Holder; Oil Cup  
removed through Top from  
Inside; Outside Wick  
Raiser; Diameter of Bot-  
tom 7 inches; Height to  
Top of Dome 10½ inches.

Per Dozen

|                                                  |         |
|--------------------------------------------------|---------|
| No. 4R1—With No. 1 Burner (uses No. 1 Flat Wick) | \$15.00 |
| No. 4R2—With No. 2 Burner (uses No. 2 Flat Wick) | 15.50   |

Oil Pot Capacity ½ Pint. Lard Oil Ratchet Burners used on all.  
One-half or One Dozen in a Case; Weight per Dozen about 45 lbs.

TRADE MARK  
"LIBERTY"  
REGISTERED.

-2355-

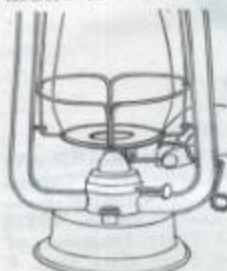
## LANTERNS.

### LIBERTY\*, TUBULAR.

**LIBERTY\*** Lanterns are made in a factory equipped with the Latest and Best Machinery for Lantern Manufacturing Purposes, and by a Manufacturer of Long Experience. Owing to the Large Quantity of goods of this class that we sell, we are enabled to take the Entire Product of this Large Factory. The selling expense, so far as the manufacturer is concerned, is entirely done away with, as all his goods are shipped and billed to us as fast as they are finished. We are thus enabled to purchase them at a very small percentage above the manufacturing cost, which allows us to place before you a line of Lanterns of the Highest Possible Grade at the Right Price.

They are made throughout from the Best Materials obtainable and contain many Desirable Features impossible to get in other makes, many of which are patented.

The Light Giving Qualities of Liberty Lanterns are unsurpassed. They are so constructed that Air is supplied in sufficient quantity to the Burners to cause Perfect Combustion, consequently a **CLEAR WHITE LIGHT** is obtained.



Showing Lifting Device  
on Regular Tubular  
Lanterns.

One of the most Important Features of a Lantern is the Globe Lifting Device. Owing to the fact that the Globe is lifted every time the Lantern is lighted, it is necessary to have a very Substantial Arrangement in order to do the work required of it in a Satisfactory Manner. Our "Hold Fast" Lifting Device, used on Liberty Lanterns, is Simple and Positive; there is nothing to get out of order and will always do the work required Quickly and Accurately.

On the Regular Tubular Styles the Lever is held in an Upward or Downward Position by a Flat Steel Spring placed in the Side Tube, through which the Lever passes.

The action of the Cold Blast is the same as above, except that the Spring is in the Canopy and the Lifting Lever is held in its Downward Position by coming in contact with the Brass Lug shown in cut on outside of the Tube.



Showing Lifting Device  
on Cold Blast  
Lanterns.

### ALL LIBERTY LANTERNS HAVE WICKS FITTED TO BURNERS, READY FOR USE.

The Device for Holding the Handle or Bail in Position on Liberty Cold Blast Lanterns is Patented, and is used only on our line. By its use the Handle is Held in any Desired Position, as shown in the accompanying Illustration.

All Liberty Cold Blast Lanterns have a Double Bayonet Lock (as shown in the Illustration), which Prevents the Burner from coming off accidentally. Used only on Liberty Lanterns.



Showing Double Bayonet  
Burner Lock.



Showing Extension Bottom used on all Cold Blast Lanterns.

The Bottoms of all Liberty Lanterns are very Large in Diameter and are NOT EASILY TIPPED OVER. The Founts on the Cold Blast have Extension Bottoms of Extra Heavy Material and are of Large Capacity.



Showing Canopy Lifted  
for Easy Removing  
the Globe on Cold  
Blast Lanterns.

The Canopy on the Cold Blast Styles is Held in Place by a Heavy Steel Wire Spring, Coiled between the Lower Extension of Canopy and the Outside Top Casing. This Method of Construction Protects the Spring from the Excessive Heat and also serves to Hold the Lower Section of Canopy firmly against the Globe.

The Globes used on all Liberty Lanterns, Regular Tubular and Cold Blast Styles are made from the Best Quality of Lead Flint Glass. They are Strong, White and Very Clear. They ARE NOT EASILY BROKEN, owing to the Large Quantity of Lead they contain. The Edges are Carefully Ground and they fit perfectly.



Showing Device for Holding  
Handle in any Desired  
Position on Cold  
Blast Lanterns.



Showing Liberty  
Globe used on all  
Liberty Cold Blast  
Lanterns.

### OUR GUARANTEE.

All **LIBERTY\*** Lanterns are Air Tested and we Guarantee them to be **AIR TIGHT** and **OIL TIGHT**, and if found otherwise we will cheerfully Replace them at our Expense.

TRADE MARK:  
"LIBERTY"  
REGISTERED.

MT



## LANTERNS.

### LIBERTY<sup>®</sup>, TUBULAR.

For Kerosene.

WICKS FITTED TO BURNERS,  
READY FOR USE.

Holds Sufficient Oil to Burn 22  
to 25 Hours.

Can be Filled, Lighted and  
Regulated without Removing  
Globe.



### HOT BLAST.

Heavy Tin, Bright; Large Oval Tubes; OUR  
HOLDFAST SIDE LIFT; No. 1 Steel Tubular Burner,  
with  $\frac{5}{8}$  inch Wick; No. 0 Liberty Globe; Oil Pot Ca-  
pacity 1 Pint; Diameter of Base 6 inches; 10 Gauge  
Polished Steel Wire Ball, 6 inches in Diameter; Height,  
with Ball Down, 14 inches. Per Dozen

No. 505/0—Weight per dozen about 35 lbs. .... \$9.50

One Dozen in a Case.

### HOT BLAST DASH.

Heavy Tin, BLUE JAPANNED; DASH BOARD AT-  
TACHMENT AND REFLECTOR; Large Oval Tubes;  
OUR HOLDFAST SIDE LIFT; No. 1 Tubular Steel  
Burner, with  $\frac{5}{8}$  inch Wick; No. 0 Liberty Globe, WITH  
BULL'S EYE; Oil Pot Capacity 1 Pint; Diameter of  
Base 6 inches; 10 Gauge Polished Steel Wire Ball, 6  
inches in Diameter; Height, with Ball Down 14 inches.

Per Dozen

No. 520/0D—Weight per dozen about 37 lbs. .... \$13.00

No. 520/0DR—Same as No. 520/0D, except Fin-  
ished in a Beautiful Shade of Ma-  
roon, Baked on at a High Degree of Heat and  
will not Crack either from Heat or Cold. .... 15.00

One-half Dozen in a Case.



### COLD BLAST.

Heavy Tin, Bright; Large Oval Tubes; OUR HOLDFAST  
SIDE LIFT; No. 2 Cold Blast Tubular Brass  
Burner, with 1 inch Wick; No. 0CB Liberty Cold Blast  
Globe; Oil Pot Capacity 1 $\frac{1}{4}$  Pints; Diameter of Base  
7 inches; 10 Gauge Polished Steel Wire Ball, 6 inches  
in Diameter; Height, with Ball Down, 15 $\frac{1}{4}$  inches.

Per Dozen

No. 550/2—Weight per dozen about 47 lbs. .... \$16.00

No. 553/2—Same as No. 550/2, except with En-  
ameled Frame and Nickel Plated Trim-  
mings; The Top Frame, Side Tubes and Mount  
are Enameled in a BEAUTIFUL SHADE OF  
MAROON, Baked on at a High Degree of Heat  
and will not Crack either from Heat or Cold;  
The Patent Ball, Canopy, Canopy Top, Globe  
Guard, Globe Lifting Lever and Burner Plate  
are Nickel Plated over a First Coat of Copper  
and Highly Polished. .... 21.00

One-half Dozen in a Case.

### Double Bayonet Locked Burners.

Holds Sufficient Oil to Burn  
20 to 23 Hours.

Can be Filled, Lighted and  
Regulated without Removing  
Globe.



### COLD BLAST.

Heavy Tin, OXIDIZED OLD COPPER, Polished;  
Large Oval Tubes; OUR HOLDFAST SIDE LIFT; No. 2  
Cold Blast Tubular Brass Burner, with 1 inch Wick; No.  
0CB Liberty Cold Blast Globe; Oil Pot Capacity 1 $\frac{1}{4}$   
Pints; Diameter of Base 7 inches; 10 Gauge Polished  
Steel Wire Ball, 6 inches in Diameter; Height, with Ball  
Down, 15 $\frac{1}{4}$  inches.

Per Dozen

No. 575/2—Weight per dozen about 47 lbs. .... \$36.00

TRADE MARKS;  
"KOO-CHOOK,"  
"DOLPHIN" and "FAMOUS,"  
REGISTERED.

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## RUBBER HOSE.



Highest Grade Para Rubber Compound Cover and Seamless Inner Tube, with Extra Heavy High Grade Cotton Duck Piles; Frictioned with a Very Fine Quality Para Rubber Compound which Holds the Piles Securely Together; Especially Designed for Railroad Purposes. Sold under a guarantee to withstand Regular Water Pressure anywhere in the United States, and to give absolute Satisfaction.

**KOO-CHOOK\*, Black, 3-Ply.**

| Inside Diameter, inches.....   | $\frac{1}{2}$ | $\frac{3}{4}$ |
|--------------------------------|---------------|---------------|
| Weight 50 feet about, lbs..... | 12            | 18            |
| Number feet in Bale.....       | 500           | 500           |
| Per foot.....                  | \$0.25        | .30           |

Seamless Inner Tubes, will not Crack or Open, thus keeping the Duck from coming in contact with the Water and Preserving the Hose.  
Tested to a Pressure of 600 lbs. to the Square Inch.

**KOO-CHOOK\*, Black, 4-Ply.**

| Inside Diameter, inches.....   | $\frac{1}{2}$ | $\frac{3}{4}$ |
|--------------------------------|---------------|---------------|
| Weight 50 feet about, lbs..... | 14            | 20            |
| Number feet in Bale.....       | 500           | 500           |
| Per foot.....                  | \$0.30        | .37           |

To Preserve Hose, Keep in a Cool, Dry Place; Do not Kink; Do not Drag over Rough Surfaces; Drain off all Water before Reeling.  
The Average Water Works Pressure is 100 to 150 lbs.

Special Grade Para Rubber Compound Cover and Seamless Tube, with Heavy High Grade Cotton Duck Piles.

**DOLPHIN\*, 5 Ply; Red.**

| Inside Diameter, inches.....   | $\frac{1}{2}$ | $\frac{3}{4}$ |
|--------------------------------|---------------|---------------|
| Weight 50 feet about, lbs..... | 13            | 16            |
| Number feet in Bale.....       | 500           | 500           |
| Per foot.....                  | \$0.37        | .46           |

**±DOLPHIN\*, 5 Ply; Red, Wire Wound.**

| Inside Diameter, inches.....   | $\frac{1}{2}$ | $\frac{3}{4}$ |
|--------------------------------|---------------|---------------|
| Weight 50 feet about, lbs..... | 19            | 22            |
| Number feet in Bale.....       | 500           | 500           |
| Per foot.....                  | \$0.38        | .47           |

**DOLPHIN\*, 5 Ply; Black.**

| Inside Diameter, inches.....   | $\frac{1}{2}$ | $\frac{3}{4}$ |
|--------------------------------|---------------|---------------|
| Weight 50 feet about, lbs..... | 13            | 16            |
| Number feet in Bale.....       | 500           | 500           |
| Per foot.....                  | \$0.36        | .45           |

**±DOLPHIN\*, 5 Ply; Black, Wire Wound.**

| Inside Diameter, inches.....   | $\frac{1}{2}$ | $\frac{3}{4}$ |
|--------------------------------|---------------|---------------|
| Weight 50 feet about, lbs..... | 19            | 22            |
| Number feet in Bale.....       | 500           | 500           |
| Per foot.....                  | \$0.37        | .46           |

Sold Only in 25 and 50 foot Lengths.

**FAMOUS\*, 4 Ply.**

Second Grade Black Rubber Cover and Seamless Tube, Extra Heavy Duck Piles, Standard Grade.

| Inside Diameter, inches.....   | $1\frac{1}{4}$ | $1\frac{1}{2}$ |
|--------------------------------|----------------|----------------|
| Weight 50 feet about, lbs..... | 30             | 36             |
| Number feet in a Bale.....     | 250            | 150            |
| Per foot.....                  | \$0.62         | .75            |

**FAMOUS\*, 5 Ply.**

Second Grade Black Rubber Cover and Seamless Tube, Good Grade Cotton Duck Piles.

| Inside Diameter, inches.....   | $\frac{1}{2}$ | $\frac{3}{4}$ | 1   |
|--------------------------------|---------------|---------------|-----|
| Weight 50 feet about, lbs..... | 11            | 15            | 20  |
| Number feet in a Bale.....     | 500           | 500           | 500 |
| Per foot.....                  | \$0.37        | .46           | .62 |

Sold Only in 25 and 50 foot Lengths.

NOTE—We do not recommend the Famous Hose.

All  $\frac{1}{2}$  and  $\frac{3}{4}$  inch Hose, Shipped from Stock, Furnished with Nickel Plated Couplings and Bands (Not Clamps), in 50 foot Lengths; An Extra Charge is made for Couplings when sold in 25 foot Lengths.

**FAMOUS\*.**

Medium Grade Black Rubber Cover and Seamless Tube, with Medium Weight Cotton Duck Piles; Wound with 13 Gauge Galvanized Steel Wire; Wire Winding Protects the Exterior of Hose; Cannot Kink; Will Withstand Greater Pressure.

**FAMOUS\*, 5 Ply Wire Wound.**

| Inside Diameter, inches.....   | $\frac{1}{2}$ | $\frac{3}{4}$ | 1   |
|--------------------------------|---------------|---------------|-----|
| Weight 50 feet about, lbs..... | 17            | 21            | 28  |
| Number feet in a Bale.....     | 500           | 500           | 250 |
| Per foot.....                  | \$0.37        | .46           | .62 |

## STENOGRAPHERS' CHAIRS.



Quarter Sawed Oak; Upholstered in Genuine Leather; Patent Adjustable Iron in Base; Adjustable Back; Height of Back above Seat 21 inches; Diameter of Seat 16½ inches.

|                                            | Per Dozen |
|--------------------------------------------|-----------|
| No. 68-XU—Golden Oak, Polished Finish..... | \$110.00  |
| No. 78-XU—Weathered Finish .....           | 110.00    |
| No. 88-XU—Early English Finish .....       | 110.00    |

Shipped Knocked Down; Weight per Dozen about 260 lbs.



Rock Elm; Golden Finish; Diameter of Seat 14 inches.

|                                          | Per Dozen |
|------------------------------------------|-----------|
| No. 45-14—Height over all 18 inches..... | \$13.00   |
| Weight per Dozen about 100 lbs.          |           |
| No. 46-14—Height over all 24 inches..... | 15.50     |
| Weight per Dozen about 110 lbs.          |           |
| No. 47-14—Height over all 30 inches..... | 19.00     |
| Weight per Dozen about 120 lbs.          |           |

Shipped Set Up.

Wrapped in Excelsior and Heavy Paper.

## STOOLS.



Metal Base, Black Japan; Revolving Oak Top; Diameter of Seat 12 inches.

|                                           | Per Dozen |
|-------------------------------------------|-----------|
| No. 267-RX—Height over all 21 inches..... | \$30.00   |
| Weight per Dozen about 200 lbs.           |           |
| No. 268-RX—Height over all 25 inches..... | 36.00     |
| Weight per Dozen about 225 lbs.           |           |

Shipped Knocked Down.

## STOOLS.



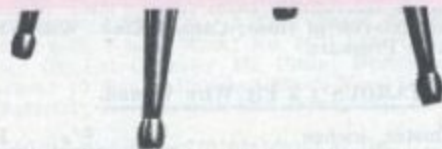
Elm; Screw Revolving Top; Height 30 inches.

|                                           | Per Dozen |
|-------------------------------------------|-----------|
| No. 6975-14—Golden Oak, Gloss Finish..... | \$42.00   |

Shipped Knocked Down; Weight per Dozen about 200 lbs.

STENOGRAPHERS' CHAIRS.STOOLS.EXHIBIT SHOWN ON OPPOSITE PAGE.

- ¶ The most complete and extensive piece of mechanism of its kind ever constructed.  
 ¶ Hardware display of the Simmons Hardware Co., at the Louisiana Purchase Exposition in St. Louis in 1904 and for which we were awarded the First Grand Prize (the only one of its kind).  
 ¶ Made entirely of hardware and Tools—one item alone, that of 5,000 Axes will tell something of its proportions, and in all there were 12,407 pieces of hardware used in its construction.  
 ¶ The revolving Wind Mill—Chain River with its Auger Bit Falls, also the largest Pocket Knife and Scissors ever manufactured were continually in motion and attracted more universal attention than any other Exhibit at the Exposition.



Rock Elm; Golden Finish; Diameter of Seat 14 inches.

No. 45-14—Height over all 18 inches.....\$13.00 Per Dozen

Weight per Dozen about 190 lbs.

No. 46-14—Height over all 24 inches..... 15.50

Weight per Dozen about 110 lbs.

No. 47-14—Height over all 30 inches..... 19.00

Weight per Dozen about 120 lbs.

Shipped Set Up.

Wrapped in Excelsior and Heavy Paper.



Elm; Screw Revolving Top; Height 30 inches.

No. G975-14—Golden Oak, Gloss Finish.....\$42.00 Per Dozen

Shipped Knocked Down; Weight per Dozen about 200 lbs.



