AAUSHNELL
AFGLOO.
CHICAGO, ILL
U.S.A.

1905



WAUGHAN & BUSHNELL & MIFG.CO.

CHICAGO, ILL.

U.S.A

MAKERS OF

HIGH GRADE TOOLS

ESTABLISHED 1869

1995 Meondouvled

NOTICE

Customers receiving this Catalogue are requested to destroy all previous ones received from us, which are hereby made void, that there may be no confusion in orders.

In making up orders you will confer a great favor to us by using the same descriptions and numbers as given in this Catalogue.

We kindly ask for a liberal share of your patronage, and trust that our efforts to please the trade will, as formerly, be rewarded by a continued and increasing business with our customers, whose orders will always receive our prompt and careful attention.

Prices subject to change without notice.

TERMS

All sales will be for Cash. Payable within sixty days, or 2% cash discount if paid ten days from date of invoice, and subject to draft at sight after that time.

Remittances must be made in par funds in Chicago or New York.

Very respectfully,

VAUGHAN & BUSHNELL MFG. CO.

867 to 891 Carroll Avenue, CHICAGO, ILL.

January, 1905.

TERMS OF WARRANTY

If any tools, stamped V. & B., prove to be soft or too hard, or are defective in the steel, if returned to us, we will gladly replace without charge, provided the tool has not been in the fire for repairs.

All the goods we manufacture are closely inspected and severely tested to detect any flaws that may exist.

The Steel these goods are manufactured from (which is equal to any in the market) is made expressly for the class of goods for which we use it. Every tool is as perfect in quality, pattern, workmanship and finish, as it is possible to make.

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Wherever these labels and others of the same design appear, they stand for the highest class of tool production.













VAUGHAN & BUSHNELL MFG.CO.

Wherever these labels and others of the same design appear, they stand for the highest class of tool production.













V. & B. EAGLE BRAND

FINISH No. 1

STYLE-HIGH POLISH



V. & B. EAGLE BRAND



By the improved method we use in manufacturing these hammers as explained on our label shown above, EVERY HAMMER IS EXACTLY THE SAME IN SHAPE AS WELL AS TEMPER.

We use the best grade of second growth hickory handles.

Our V. & B. Eagle Brand hammers are packed ONE IN A BOX and six individual boxes in a container, making a neat package for the jobber and an absolutely clean one for the retailer. Six dozen in a case.

We guarantee every hammer stamped with the V. & B. Eagle,

FINISH No. 1	STYLE-HIGH POLISH					
Number Weight		1½ 1 lb. 8.50	2 13 oz. 8.00	3 7 oz. 7.50		

WEIGHT DOES NOT INCLUDE HANDLE

NOTE.—As we make our V. & B. Eagle Brand in two finishes, High Polish and Nickel Plated, when ordering PLEASE STATE WHICH STYLE FINISH YOU DESIRE.

V. & B. EAGLE BRAND

FINISH No 1

STYLE-HIGH POLISH

BELL FACE



V. & B. EAGLE BRAND

BELL FACE



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We guarantee every hammer stamped with the V. & B. Eagle.

FINISH No. 1 STYLE-HIGH POLISH	
Number	13
Weight 1 lb. 4 oz. 1 lb. 13 oz.	7 oz.
Per doz \$9.00 8.50 8.00	7.50

WEIGHT DOES NOT INCLUDE HANDLE

NOTE.—As we make our V. & B. Eagle Brand in two finishes, High Polish and Nickle Plated, when ordering PLEASE STATE WHICH STYLE FINISH YOU DESIRE.

V. & B. EAGLE BRAND

FINISH No. 3

STYLE-NICKEL PLATED



V. & B. EAGLE BRAND



By the improved method we use in manufacturing these hammers as explained on our label shown above, EVERY HAMMER IS EXACTLY THE SAME IN SHAPE AS WELL AS TEMPER.

We use the best grade of second growth hickory handles.

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We guarantee every hammer stamped with the V. & B. Eagle.

FINISH No. 3	STYLE	- NICKEL	PLATED	
Number Weight	1 lb. 4 oz.	1½ 1 lb. 8.50	2 13 oz. 8.00	3 7 oz. 7.50

WEIGHT DOES NOT INCLUDE HANDLE

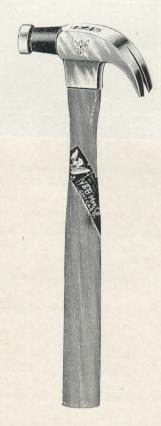
NOTE.—As we make our V. & B. Eagle Brand in two finishes, High Polish and Nickel Plated, when ordering PLEASE STATE WHICH STYLE FINISH YOU DESIRE.

V. & B. EAGLE BRAND

BELL FACE

FINISH No. 3

STYLE - NICKEL PLATED



V. & B. EAGLE BRAND

BELL FACE



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We guarantee every hammer stamped with the V. & B. Eagle .

FINISH No. 3	STYLI	E-NICKEL	PLATED	
Number	11	$11\frac{1}{2}$	12	13 ·
Weight		1 lb.	13 oz.	7 oz.
Per doz	\$9.00	8.50	8.00	7.50

WEIGHT DOES NOT INCLUDE HANDLE

NOTE.—As we make our V. & B. Eagle Brand in two finishes, High Polish and Nickel Plated, when ordering PLEASE STATE WHICH STYLE FINISH YOU DESIRE.

GARDEN CITY BRAND



GARDEN CITY BRAND

GARDEN CITY BRAND HAMMERS

This Hammer is FORGED from Solid Steel Bars.
NOT CAST.

MADE AT CHICAGO, U. S. A.

These hammers are DROP-FORGED from a special grade of steel.

Every hammer is carefully hardened and tested before leaving our hands.

An excellent grade of hickory handle is used and the hammer is finished with a good polish.

Our Garden City Brand of hammers are better in design, quality and finish than any of the low priced hammers on the market.

They are packed ONE HALF DOZEN in a strong jute box.

Number	101	$101\frac{1}{2}$	102	103
Weight	1 lb. 4 oz.	1 lb.	13 oz.	7 oz.
Per doz	40.05	2.65	2.45	2.25

GARDEN CITY BRAND
BELL FACE



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GARDEN CITY BRAND HAMMERS

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NOT CAST.

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These hammers are DROP-FORGED from a special grade of steel.

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Our Garden City Brand of hammers are better in design, quality and finish than any of the low priced hammers on the market.

They are packed ONE HALF DOZEN in a strong jute box.

Number	111	$111\frac{1}{2}$	112	113
Weight	1 lb. 4 oz.	1 lb.	13 oz.	7 oz.
Per doz	\$2.85	2.65	2.45	2.25

WEIGHT DOES NOT INCLUDE HANDLE

PLAIN EYE RIVETING HAMMERS

HIGH POLISH AND TEMPER BLUED



PLAIN EYE RIVETING HAMMERS



Please notice the method employed in the manufacture of these hammers, as per copy of our label shown above.

The very best grade of second growth hickory handles are used, designed especially for these goods only. The measurements at neck are such as to insure the proper amount of spring in the handle.

We guarantee every hammer stamped with the V. & B. Eagle.

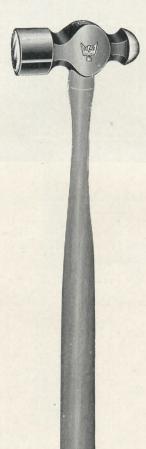
These goods are packed ONE-HALF DOZEN in a strong black box.

Number	0	1	2	3	4
Weight	4 oz	7 oz.	9 oz.	12 oz.	15 oz.
Per doz	\$5.50	5.75	6.00	6.25	6.50
Number	5		6		7
Weight	1 lb. 2 oz.		11b.6 oz.		1 lb. 10 oz.
Per doz.	7.00		7.50		8.00

WEIGHT DOES NOT INCLUDE HANDLE

MACHINISTS' BALL PEIN HAMMERS

HIGH POLISH AND TEMPER BLUED



MACHINISTS' BALL PEIN HAMMERS



Please notice the method employed in the manufacture of these hammers, as per copy of our label shown above.

The very best grade of second growth hickory handles are used, designed especially for these goods only. The measurements at neck are such as to insure the proper amount of spring in the handle.

We guarantee every hammer stamped with the V. & B. Eagle.

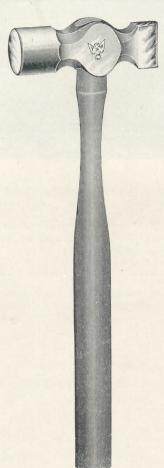
These goods are packed one-half dozen in a box, except Nos. 6, 7 and 8 which are packed one-third dozen in a box. Six dozen in a case.

Number Weight Per doz	5/0 4 oz. \$12.00	4/0 6 oz. 12.00	3/0 8 oz. 12.00	, -	0 1 lb. 12.50	1 1 ¹ / ₄ 1b. 13.50	2 1½ lb. 14.50
Number Weight Per doz	3 1 ³ / ₄ 1b. \$15.50	4 2 lb. 16.50	5 2 ¹ / ₄ 1b. 17.50	$\begin{array}{c} 6 \\ 2\frac{1}{2} \\ 19.00 \end{array}$	b. 2	7 34 1b. 20.50	8 3 1b. 22.00

WEIGHT DOES NOT INCLUDE HANDLE

MACHINISTS' STRAIGHT PEIN HAMMERS

HIGH POLISH AND TEMPER BLUED



MACHINISTS' STRAIGHT PEIN HAMMERS



Please notice the method employed in the manufacture of these hammers, as per copy of our label shown above.

The very best grade of second growth hickory handles are used, designed especially for these goods only. The measurements at neck are such as to insure the proper amount of spring in the handle.

We guarantee every hammer stamped with the V. & B. Eagle.

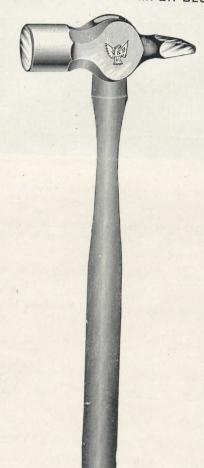
These goods are packed one-half-dozen in a box, except Nos. 6, 7 and 8, which are packed one-third dozen in a box. Six dozen in a case.

Number	5/0	4/0	3/0	2/0	0	. 1	2
Weight	4 oz.	6 oz.	8 oz.	12 oz.	1 lb.	11/4 lb.	1½ lb.
Per doz	\$12.00	12.00	12.00	12.00	12.50	13.50	14.50
Number	2	4				7	0
Number	3	4	3)	. /	8
Weight	1¾ lb.	21b.	21/4 1	b. $2^{1/2}$	1b.	23/4 lb.	3 lb.
Per doz	\$15.50	16.50	17.5	0 19	.00	20.50	22.00

WEIGHT DOES NOT INCLUDE HANDLE

MACHINISTS' CROSS PEIN HAMMERS

HIGH POLISH AND TEMPER BLUED



MACHINISTS' CROSS PEIN HAMMERS



Please notice the method employed in the manufacture of these hammers, as per copy of our label shown above.

The very best grade of second growth hickory handles are used, designed especially for these goods only. The measurements at neck are such as to insure the proper amount of spring in the handle.

We guarantee every hammer stamped with the V. & B. Eagle.

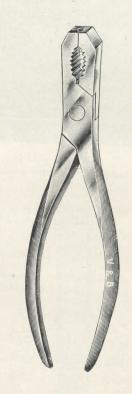
These goods are packed one-half dozen in a box, except Nos. 6, 7 and 8, which are packed one-third dozen in a box. Six dozen in a case.

Number	5/0	4/0	3/0	2/0	0	1	2
Weight	4 oz.	6 oz.	8 oz.	12 oz.	1 lb.	11/4 lb.	1½ lb.
Per doz	\$12.00	12.00	12.00	12.00	12.50	13.50	14.50
Number	3	4	5		6	7	8
Weight	1¾ lb.	2 1b	21/41	b. $2^{1/2}$	2 lb.	$2\frac{3}{4}$ 1b.	3 lb.
Per doz	\$15.50	16.50	17.5	0 19	0.00	20.50	22.00

WEIGHT DOES NOT INCLUDE HANDLE

BURNER PLIERS

SOLID CAST STEEL OF SUPERIOR QUALITY
OIL TEMPERED



5	inch.	Polished	and	Bluedper doz.,	
6	66			per doz.,	\$6.00
				"	8.00

GAS PLIERS

SOLID CAST STEEL OF SUPERIOR QUALITY,
OIL TEMPERED



7	inch.	Polished	and Blue	edpe	r doz.,	\$ 7.40
8	"	"	"		"	8.25
9		"			"	9.25
-10	"	"	66		66	10.70
12	66	"	"		"	13.00
14	66	6.6	66		66	17.00

HALF DOZEN IN A BOX

BUTTON'S PATTERN PLIERS

V. & B. BRAND



When ordering BUT-TON'S PATTERN PLIERS be sure to state which brand you desire.

Our V. & B. Brand of Pliers are guaranteed equal to any made. Are drop forged from tool steel. Nicely polished and blued. Warranted.

4½ \$10.00

6 12.00

8

10 inch.

20.00 per dozen.

HALF DOZEN IN A BOX

BUTTON'S PATTERN PLIERS

GARDEN CITY BRAND



When ordering BUT-TON'S PATTERN PLIERS be sure to state which brand you desire.

Our Garden City brand is of good quality and better in quality and finish than any low priced plier made.

 $4\frac{1}{2}$ \$10.00

6

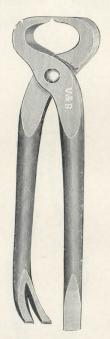
8 15.00 10 inch.

20.00 per dozen.

HALF DOZEN IN A BOX

CARPENTERS' PINCHERS

OIL FINISHED, POLISHED JAWS



No.	6,	Solid	Stee	1, 6	inch	Straio	rht F	Iandles		per doz.,	
No.	6,	6.6	66	6	6.6	Claw	and	Screw	D .	per doz.,	\$2.88
No.	7,	66	6.6	7	66	"	anu	screw "			3.10
No.	8,	66		8	"					6.6	3.78
No.	9.					٤.				"	4.00
No. 1			66	10	66				6.6	. 6	5.00
No. 1	-					66				6.6	5.56
	-,			12					6.6	6.6	6.40

HALF DOZEN IN A BOX

For No. 6 Carpenters' Pinchers the 6 inch Straight Handles will be sent unless 6 inch with Claw and Screw Driver is specified.

BLACKSMITHS' PINCHERS

OIL FINISHED, POLISHED JAW



No. 10,	Solid	Steel,	10	inchpe	r doz.	\$ 9.00
No. 12,	"	"	12		66	10.00
No. 14.	66	66	14	"	"	12.00

FARRIERS' SHOEING PINCHERS

OIL FINISHED, POLISHED JAW
EXTRA HEAVY



No. 13, Solid Steel, 13 inch.....per doz. \$13.00 No. 14, '' 14 '' '' 15.00

HOOF PARING NIPPERS

OIL FINISHED, POLISHED JAWS



No. 212,	Solid	Steel,	12	inch	pe	r doz.	\$24.00
No. 214.	"	66	14			44	28.80

HORSESHOERS' NAIL CUTTING NIPPERS

OIL FINISHED, POLISHED JAWS



No. 30,	Solid	Steel,	12	inch	 per	doz.	\$15.00
No. 32.	1 66	"	14	66		6 6	16.00

HORSESHOERS' NAIL CUTTING **NIPPERS**

OIL FINISHED, POLISHED JAW



No. 40,	Solid	Steel,	10	inch	per doz.	\$14.50
No. 42,		4.6	12			15.50

HALF DOZEN IN A BOX

HORSESHOERS' TONGS

RECESSED JAWS

DROP FORGED. SOLID STEEL

OIL FINISHED



BLACKSMITHS' PICK TONGS

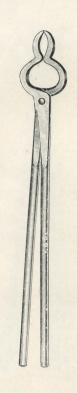
FOR HOLDING MINERS' PICKS WHILE BEING SHARPENED
OIL FINISHED



Length24	inches
Weight4	pounds
Price per pou	nd, 25c.

BLACKSMITHS' PICKUP TONGS

FOR PICKING UP HOT IRONS
DROP FORGED. SOLID STEEL. OIL FINISHED



Length22 inchesWeight $2^{7}\!\!/8$ poundsPriceper pound, 25c.

BLACKSMITHS' GAD TONGS

DROP FORGED. SOLID STEEL
OIL FINISHED



Length, inches	18	20	22	24
Weight, per pair	2 lb.	2½ 1b.	3 lb.	33/8 1b.
Price			per	pound, 20c.

BLACKSMITHS' BOLT TONGS

FOR HOLDING BOLTS AND ROUND IRON
DROP FORGED. SOLID STEEL. OIL FINISHED



For holding round iron	1/4	5/16	3/8	$1_2'$	5/8
Length, inches	18	18	20	20	22
Weight, per pair	17/8 lb.	17/8 lb.	2½ 1b.	2 ¹ / ₈ 1b.	31/8 lb.
For holding round iron	3/4	7/8	1	11/8	11/4
Length, inches	22	24	24	24	24
Weight, per pair	31/8 lb.	35/8 lb.	35/8 1b.	4 lb.	4 ¹ / ₄ 1b.
Price				per pour	d 25c.

WHEN ORDERING GIVE SIZE OF IRON TO BE HELD, NOT LENGTH OF TONG

BLACKSMITHS' STRAIGHT LIP TONGS

DROP FORGED. SOLID STEEL. OIL FINISHED



Length, inches 16	18	20	22
Weight, per pair13/4 lb.	2 lb.	$2^{1/2}$ 1b.	3 1b.
Length, inches 24	26	28	30
Weight, per pair 3 ¹ / ₂ lb.	37/8 lb.	4 ¹ / ₈ 1b.	5 ¹ / ₄ lb.
Price		per poi	ind 15c.

IF ADJUSTED FOR HOLDING SPECIFIED SIZES, THE EXTRA LABOR WILL BE CHARGED

HORSESHOERS' TOE KNIVES

SOLID STEEL. OIL FINISHED



Price per doz. \$9.00

HORSESHOERS' BUFFERS

SOLID STEEL. OIL FINISHED



..... per doz. \$9.00

HORSESHOERS' NAIL PUNCHES

SOLID STEEL OIL FINISHED



HORSESHOERS' CREASING TOOLS

SOLID STEEL. OIL FINISHED



No.	17,	7/8	inch,	Square	per doz.	\$4.00
No.	18,	1		66	44	5.00

BLACKSMITHS' TOP CHANNEL SWAGES

ROUND EDGE PATTERN

FOR WELDING CHANNEL IRONS FOR RUBBER TIRES

OIL FINISHED



Made for the following Standard Round Edge Channel Irons:

Sizes, in Price, e		7/ ₈ 1.40	1 1.40	1½ 1.55	1 ¹ / ₄ 1.55	13/8 1.80
Sizes, in Price, e		1 ⁵ / ₈ 2.05	1 ³ / ₄ 2.05	2 2.05	$2\frac{1}{2}$ 2.40	3

BLACKSMITHS' BOTTOM CHANNEL SWAGES

FOR WELDING CHANNEL IRONS FOR RUBBER TIRES
OIL FINISHED



Made for the following Standard Round Edge Channel Irons:

Sizes, inch	7/ ₈	1 1.40	1½ 1.55	1 ¹ / ₄ 1.55	13/8 1.80
Sizes, inch	15/8 2.05	1 ³ / ₄ 2.05	2 2.05	$2\frac{1}{2}$ 2.40	3 4.00

BLACKSMITHS' TOP CHANNEL SWAGES

CUSHION PATTERN
FOR WELDING CHANNEL IRONS FOR RUBBER TIRES
OIL FINISHED



Made for the following Standard Cushion Channel Irons:

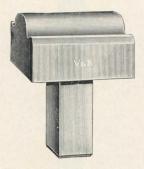
C: ·						
Sizes, inch	3/4	7/2	1	41/		
Price each	d 1	76	1	11/8	11/4	11/2
Price, each	\$1.90	1.90	1.90	2.00	2.00	2.20

BLACKSMITHS' BOTTOM CHANNEL SWAGES

CUSHION PATTERN

FOR WELDING CHANNEL IRONS FOR RUBBER TIRES

OIL FINISHED



Made for the following Standard Cushion Channel Irons:

Sizes, inch	3/4	7/8	1	11/8	11/4	$1\frac{1}{2}$
Price, each	\$1.90	1.90	1.90	2.00	2.00	2.20

HORSESHOERS' PRITCHELS

OIL FINISHED



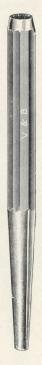
Made of % Octagon Cast Steel, 10 inches long.

Price.....per pound, 40c.

HALF DOZEN IN A PACKAGE

BLACKSMITHS' ROUND HAND PUNCHES

OIL FINISHED



Price.....per pound, 40c

When ordering always give size of point.

HALF DOZEN IN A PACKAGE

BLACKSMITHS' ROUND EYE PUNCHES

OIL FINISHED



Sizes of point, inch $\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$ $\frac{7}{16}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ 1 Price.....per pound, 40c

BLACKSMITHS' SQUARE EYE PUNCHES

OIL FINISHED



Sizes of point, inch $\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$ $\frac{7}{16}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ 1 Price... per pound, 40c

BLACKSMITHS' CENTER PUNCHES

OIL FINISHED



BLACKSMITHS' COUNTER SINKS

OIL FINISHED



Price per pound, 40c

BLACKSMITHS' HEADING TOOLS

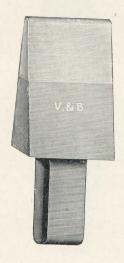
OIL FINISHED



Sizes of hole, inch $\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$ $\frac{7}{16}$ $\frac{1}{2}$ $\frac{9}{16}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ 1 Price......per pound, 40c

BLACKSMITHS' ANVIL HARDIES

OIL FINISHED



Sizes of shank, inch $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ $\frac{1}{1}$ $\frac{11}{8}$ $\frac{11}{4}$ Price....per pound. 40c

BLACKSMITHS' COLD CUTTERS

OIL FINISHED



Sizes of Square, inch	11/0	11/	49/			
Weight each the	1/8	1/4	1%	$1\frac{1}{2}$	13/4	2
Weight each, lbs	11/2	2	$2^{1/2}$	3	41/1	51/0
Price, American Tool Steel					. / 4	0/2
				per po	ound,	40c

BLACKSMITHS' HOT CUTTERS

OIL FINISHED



Sizes of Squre, inch	1	11/8	11/4	13/8	$1\frac{1}{2}$	13/4	2
Weight each, lbs	11/4	$1\frac{1}{2}$	2	21/2	23/4	33/4	5
Price					per po	und,	40c

BLACKSMITHS' FLATTERS

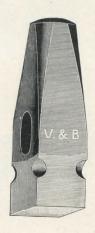
OIL FINISHED



Sizes of Square Face, inch 2 $2\frac{1}{4}$ $2\frac{1}{2}$ $2\frac{3}{4}$ 3 $3\frac{1}{4}$ $3\frac{1}{2}$ $3\frac{3}{4}$ 4 Price.....per pound, 40c

BLACKSMITHS' SET HAMMERS

OIL FINISHED



Sizes of Square Face, inch 1 $1\frac{1}{8}$ $1\frac{1}{4}$ $1\frac{3}{8}$ $1\frac{1}{2}$ $1\frac{3}{4}$ 2 Price.....per pound, 40c

BLACKSMITHS' TOP SWAGES

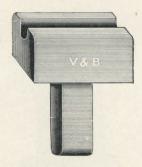
OIL FINISHED



Sizes, inch $\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$ $\frac{7}{16}$ $\frac{1}{2}$ $\frac{9}{16}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ 1 $\frac{11}{8}$ $\frac{11}{4}$ $\frac{13}{8}$ $\frac{11}{2}$ 1 $\frac{5}{8}$ 1 $\frac{3}{4}$ 1 $\frac{17}{8}$ 2 2 $\frac{1}{4}$ 2 $\frac{1}{2}$ 2 $\frac{3}{4}$ 3 3 $\frac{1}{2}$ 4.

BLACKSMITHS' BOTTOM SWAGES

OIL FINISHED



Shanks for 1 inch hole in anvil.

Sizes, inch	1/4	5/16	3/8 7/16	3 1/2	9/16	5/8	3/4 7/8	1	11/8	11/4 13/8
$1\frac{1}{2}$	15/8	13/4	17/8	2	21/4	21/2	23/4	3	$3\frac{1}{2}$	4
Price								pe	r po	und, 40c

OVAL BOTTOM SWAGES AT SAME PRICE

BLACKSMITHS' TOP FULLERS

OIL FINISHED



Sizes, inch $\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$ $\frac{7}{16}$ $\frac{1}{2}$ $\frac{9}{16}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ 1 $\frac{11}{8}$ $\frac{11}{4}$ $\frac{13}{8}$ $\frac{11}{2}$ $\frac{13}{4}$ $\frac{2}{2}$ $\frac{21}{2}$ $\frac{3}{2}$

Price per pound, 40c

BLACKSMITHS' BOTTOM FULLERS

OIL FINISHED



Shanks for 1 inch hole in anvil.

Sizes, inch $\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$ $\frac{7}{16}$ $\frac{1}{2}$ $\frac{9}{16}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ 1 $\frac{11}{8}$ $\frac{11}{4}$ $\frac{13}{8}$ $\frac{11}{2}$ $\frac{13}{4}$ 2 $\frac{21}{2}$ 3

Price pound, 40c

TRACK CHISELS

OIL FINISHED



Made of American Tool Steel 13/4 inch Square.

TRACK PUNCHES

OIL FINISHED



Made of American Tool Steel 11/2 inch Square.

Priceper pound, 40c

R. R. TRACK WRENCHES

DROP FORGED. SOLID STEEL

OIL FINISHED



Full length, 24 inches.

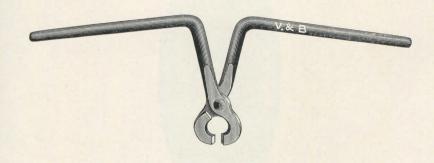
Price...... per pound, 20c

Double End Wrenches, weight each, 6 pounds.

R. R. TRACK TONGS

DROP FORGED. SOLID STEEL

OIL FINISHED



Weight, 18 pounds.

Priceper pound, 20c

ROUND CRACK HAMMERS

DROP FORGED. SOLID STEEL

OIL FINISHED



Sizes, pounds 1 $1\frac{1}{4}$ $1\frac{1}{2}$ $1\frac{3}{4}$ 2 per pound, 40c

FARMERS' PLOW ANVILS

DROP FORGED. SOLID STEEL

OIL FINISHED

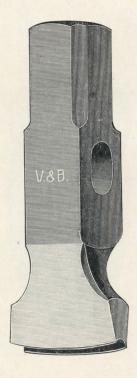


Weight, 4 pounds.

Price per pound, 30c

COOPERS' HOOP DRIVERS

OIL FINISHED



Sizes, pounds 1½ 1½ 1¾ 2¼ 3
..... per pound, 50c

ENGINEERS' PACKING TOOLS

STRAIGHT PATTERN



Handle made from 1/4 inch Steel.

Length under Eye, inches	8	10	12
Price, der dozen	\$3.60	3.60	3 60

ENGINEERS' PACKING TOOLS

HOOK PATTERN



Handle made from 1/4 inch Steel.

Length under Eye, inches	8	10	12
Price per dozen	\$3.60	3 60	3 60

ENGINEERS' PACKING TOOLS

SCREW PATTERN



Handle made from 1/4 inch Steel.

Length under Eye, inches	8	8	8	10	12
Outside diameter of Screw	1/4	3/8	1/2	5/8	3/4
Price, per dozen	\$7.20	7.20	7.20	7.20	7.20

WROUGHT

NAIL GRIPS

WROUGHT STEEL. PAINTED



NAIL CLAWS

WROUGHT STEEL. PAINTED



No. 2, Five Steel Fingers per dozen, \$9.00

ICE TONGS

DROP FORGED. SOLID STEEL. NO WELD. SWELL HANDLE

PAINTED RED

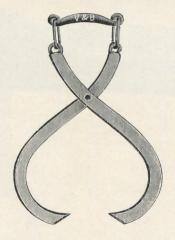


No. 1,	Opens	15	inches	per	dozen,	\$16.00
No. 2,	"	17	"		66	18.00
No. 3,		24			"	21.60

FAMILY ICE TONGS

WROUGHT STEEL

PAINTED



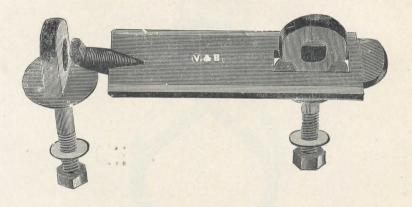
STORE DOOR HASPS

WROUGHT STEEL

FOR STORE AND WAREHOUSE DOORS

PAINTED

THE BEST HASP IN THE MARKET



Size of steel, 13/4 x 5/16; length, 6 inches.

No. 1, Removable Hasp.....per dozen, \$12.00

THE STAPLES GO THROUGH THE DOOR WITH THE FLANGE ON OUTSIDE

AND NUT ON THE INSIDE

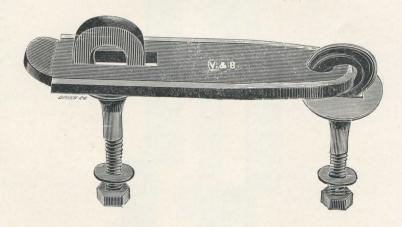
HALF DOZEN IN A BOX

STORE DOOR HASPS

WROUGHT STEEL

FOR STORE AND WAREHOUSE DOORS

PAINTED



Size of steel, $1\frac{3}{4} \times \frac{5}{16}$: length, 6 inches.

No. 2, Stationary Hasp.....per dozen, \$12.00

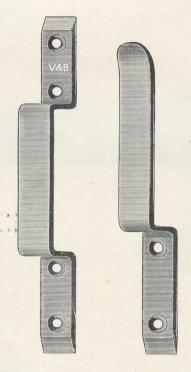
HALF DOZEN IN A BOX

BAR STAPLES

WROUGHT STEEL

MADE TO HOLD 2x4 IN. BAR

MILLED BRIGHT



WELL WHEEL HOOKS

WROUGHT STEEL

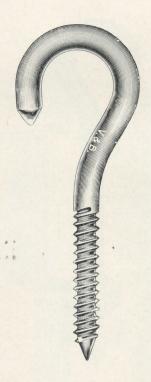
MILLED BRIGHT



CLOTHES LINE HOOKS

TO SCREW
WROUGHT STEEL

TINNED



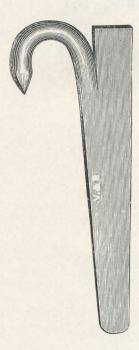
No.	1, siz	e of	steel	, 3/8	in., full	length,	$4\frac{1}{2}$	inper	dozen, S	\$1.00
No.	2,	"	66	7/16	in.,		5	in	"	1.25
No.	3,	"	"	1/2	in.,	66	$5\frac{1}{2}$	in	66	1.50

CLOTHES LINE HOOKS

TO DRIVE

WROUGHT STEEL

TINNED



No. 4, full length, 4½ inchesper dozen, \$1.00

FLOOR HOOKS

WROUGHT STEEL. MILLED BRIGHT



No. 3,	size	of steel,	$\frac{1}{2}$ in.,	full length,	$5\frac{1}{2}$	inper	100,	\$ 7.50
No. 4,			5⁄8 in.,		$6\frac{1}{2}$	in"	100,	8.35
No. 5,		"	3/4 in.,	"	7	in"	100,	10.40

SWING BOLTS AND RINGS

WROUGHT STEEL. MILLED BRIGHT



No. 1, size of steel, $\frac{1}{2}$ in., full length, 9 in.... per dozen, \$1.50

ONE DOZEN IN A BOX

EYE BOLTS

DROP FORGED. MILLED BRIGHT

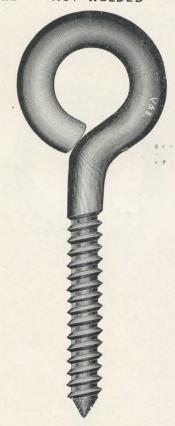


No. 3,	size of	steel,	3/8 in.,	full length,	4½ inper	doz.,	\$0.75
No. 4,	66	66	7/16 in.,		4 ³ / ₄ in	66	1.00
No. 5,	• "	66	½ in.,	66	5½ in		1.25
No. 6,	"	6.6	5/8 in.,	"	6 in	66	1.75
No. 7,		66	3/4 in.,	"	6¾ in	"	2.25

No. 3—THREE DOZEN IN A BOX. No. 4—TWO DOZEN IN A BOX

EYE BOLTS

WROUGHT STEEL NOT WELDED MILLED BRIGHT



FULL SIZE CUT OF No. 8

No.	8, si	ze of	steel,	3/8 in.,	full	length,	4	in pe	er doz.,	\$0.65
No.	9,	6.6		7/16 in.,				in		.85
No. 1	.0,	"		½ in.,		6.	5	in	4.6	1.00
No. 1	1,	. 6		5/s in.,			51/2	in		1.40
No. 1	2,	"		3/4 in.,				in		1.75

No. 8-THREE DOZEN IN A BOX. No. 9-TWO DOZEN IN A BOX No. 10, 11, 12 - ONE DOZEN IN A BOX

HITCHING RINGS

WROUGHT STEEL

MILLED BRIGHT



No. 0, size of screw $\frac{3}{8}$, size of ring $\frac{21}{4}$, $\frac{1}{4}$ steel, per doz., \$1.50 No. 00, " $\frac{7}{16}$, " $\frac{21}{2}$, $\frac{5}{16}$ " " 1.75

Extra, if Tinned, 10 cts. per dozen, net.

ONE DOZEN IN A BOX

HITCHING RINGS

WROUGHT STEEL

MILLED BRIGHT

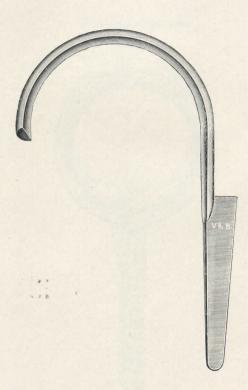


No. 1, size of screw 7_{16} ; size of ring $2\frac{1}{2}$, 5_{16} steel, per doz., \$2.00 Extra, if Tinned, 10 cts. per dozen, net.

ONE DOZEN IN A BOX

CONDUCTOR HOOKS

TINNED



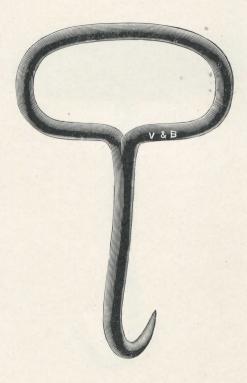
Our Conductor Hooks are very stiff and strong, being <u>Drop</u> <u>Forged</u> all in one piece, no weld, and from their peculiar shape are much stronger, drive and hold in brick walls better than any other, and are made of the best Mild steel.

Size, inches	2	3	4	5	6
Price, per 100	\$6.00	7.50	11.00	12.00	13.00

LOOP HANDLE BOX HOOKS

WROUGHT STEEL

PAINTED



Length under handle, 6 inches. Loop of handle, $5\frac{1}{2}$ inches.

No. 10, ½ inch Round Steel per dozen, \$3.00

BOX HOOKS

ROUND SHANK

WROUGHT STEEL



No. 4, $\frac{5}{16}$ Round, $3\frac{1}{2}$ inches long under handle, per dozen, \$2.25 No. 6, $\frac{5}{16}$ " 5 " " " " 2.50

BOX HOOKS

OCTAGON SHANK

WROUGHT STEEL

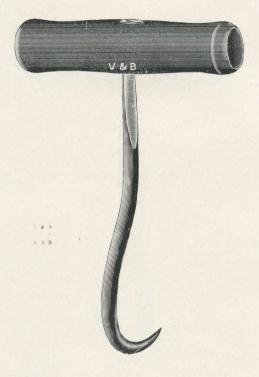


No. 9	, 3	8 Octagon,	7	inches	long	under	handle,	per dozen,	\$2.75
No. 12	, 3/	8 "	9	" "	٤.				3.00
No. 14	, 7/1	6 "	12						3.50

COTTON HOOKS, WOOD HANDLE

NEW ORLEANS PATTERN

TINNED

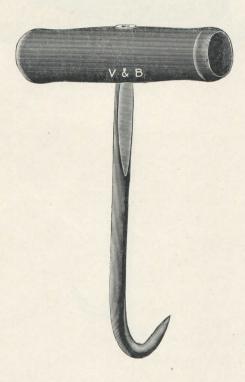


No. 8, 3/8 Round, 7 inches long under handle,per doz., \$2.40

COTTON HOOKS, WOOD HANDLE

RED RIVER PATTERN

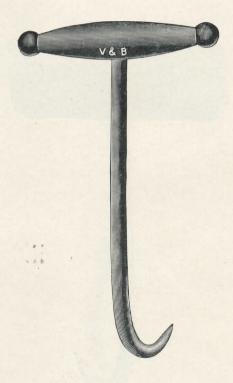
TINNED



No. 7, % Round, 7 inches long under handle..... per doz., \$2.40

COTTON HOOKS, STEEL HANDLE

WROUGHT STEEL. TINNED



No. 5, % Round, 7 inches long under handle..... per doz., \$4.00

N. B.—Iron handles will be put on either New Orleans or Red River Pattern Hook, as ordered.

COTTON HOOKS, STEEL HANDLE

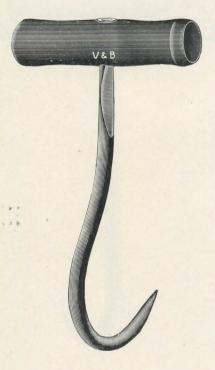
WROUGHT STEEL. TINNED



No. 4, 3/8 Round, 7 inches long under handle.....per doz., \$4.00

HAY HOOKS

WROUGHT STEEL



No. 1, $\frac{7}{16}$ Round, $7\frac{1}{2}$ inches long under handle, per dozen, \$3.25

BUTCHERS'

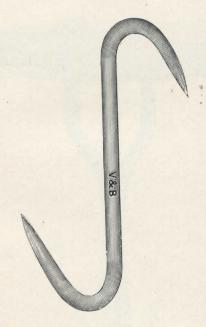
AND

PACKERS' GOODS

BUTCHERS' S HOOKS

WROUGHT STEEL

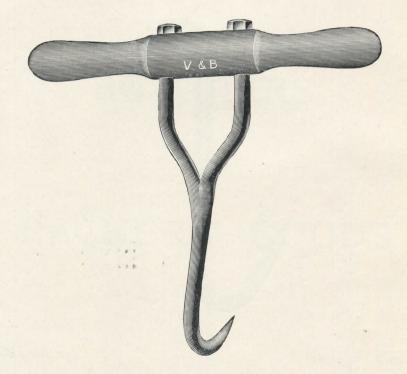
TINNED



3	inch,	3/16	Steel	 	 	 	 per doz.,	\$0.42
4	66	1/4	66	 	 	 	 	.50
5	6.6	1/4		 	 	 	 	.60
6	6.6	5/16		 	 	 	 	.75
7	"	5/16					11	1.00
8		3/8		 	 	 	 	1.20
9	6.6	3/8	"	 	 	 	 	1.40
10		3/8	. 6	 	 	 	 	1.60

3, 4, 5, 6-INCH-THREE DOZEN IN A BOX 7, 8, 9, 10-INCH-ONE DOZEN IN A BOX

HOG HOOKS



Length of Hook, 9 inches; length of handle, 14 inches.

No. 2, $\frac{1}{2}$ inch Steel per doz., \$12.00

HOG HOOKS



Length of Hook, 7 inches; length of Handle, 9 inches.

No. 3, 7/16 Steel.....per doz., \$4.00

LIFTING HOOKS

WROUGHT STEEL

TINNED

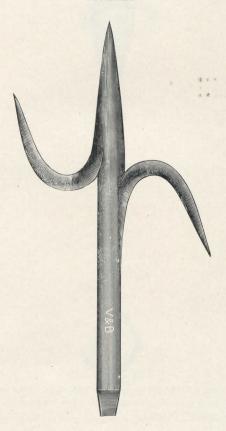


No. 3, $\frac{3}{8}$ inch Square Steel per doz., \$4.00

LIFTING HOOKS

WROUGHT STEEL

TINNED



No. 4, % inch Square Steel per doz., \$5.50

SELECTING HOOKS

WOODEN HANDLE

TINNED



THE NUMBERS INDICATE THE FULL LENGTH

No.	9,	5/16	inch	Solid	Steel per doz.,	\$3.00
No.	10,	5/16	6.6	6.6	" per doz.,	3.00
No.	12,	5/16	66	66	"	3.25
No.	13,	5/16		66		3.25

Nos. 9, 10 - ONE DOZEN IN A BOX Nos. 12, 13 - HALF DOZEN IN A BOX

SELECTING HOOKS

LOOP HANDLE

TINNED



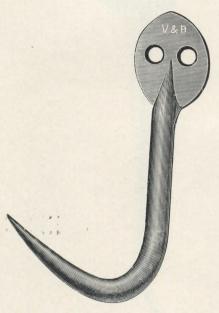
THE NUMBERS INDICATE LENGTH UNDER HANDLE

No. 14,	3/8	inch	Solid	Steelper doz.,	\$3.50
No. 16,	3/8		66	" " " " " " " " " " " " " " " " " " " "	3.60
No. 18,			" "		3.75
No. 20,	3/8	. 6			4.00

MEAT HOOKS

TO SCREW ON

WROUGHT STEEL. TINNED



FULL SIZE CUT OF No. 8

Nos.	8	9	10
Size of Steel, inch			3/8
Price, per gross			

MEAT HOOKS

EXTRA HEAVY

TO SCREW ON WROUGHT STEEL. TINNED



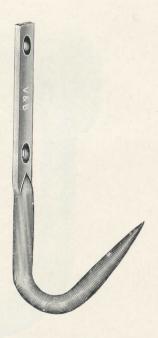
No. 20, Size of Steel, $\frac{7}{16}$ per gross, \$16.00

ONE-QUARTER GROSS IN A BOX

QUARTER HOOKS

TO SCREW ON

WROUGHT STEEL. TINNED

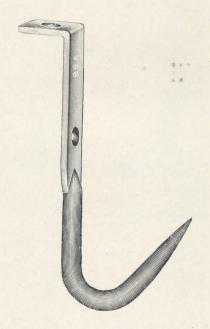


Nos.	35	36	37	38	39
Size of Steel, inch	1/4	5/16	3/8	7/16	1/2
Price, per gross	\$4.50	5.50	7.00	9.00	11.00

QUARTER HOOKS

TO SCREW ON

WROUGHT STEEL. TINNED

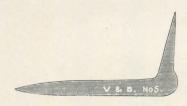


Nos.	40	41	42	43	44
Size of Steel, inch	1/4	5/16	3/8	7/16	1/2
Price, per gross	\$5.00	6.00	8.00	10.00	12.00

Nos. 40, 41, 42 ONE-HALF GROSS IN A BOX
No. 43 ONE-QUARTER GROSS IN A BOX.
No. 44 ONE-SIXTH GROSS IN A BOX

TONGUE HOOKS

WROUGHT STEEL



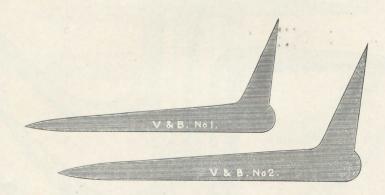
FULL SIZE CUT

Extra, if Tinned, 4 cents per 100, net.

500 IN A BOX

HAM HOOKS

WROUGHT STEEL



FULL SIZE CUTS

No. 1,	Length, 2	$2\frac{1}{2}$	inches.	Pric	e per	100,	\$2.50
No. 2,		3	,			100.	2.75

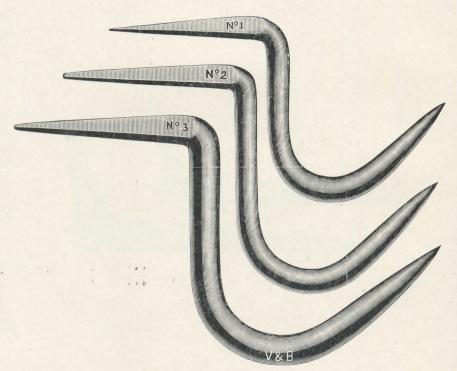
Extra, if Tinned, 8 cents per 100, net.

500 IN A BOX

DRIVE MEAT HOOKS

WROUGHT SOLID STEEL

TINNED



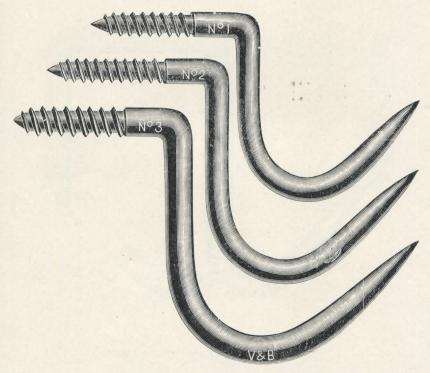
FULL SIZE CUTS

Nos	0	1	2	3	4	5
Size of Steel, inch	3/16	1/4	1/4	5/40	3/	3/
Price, per gross	\$3.00	3.64	3.94	5.20	6.85	7.46

No. 0—ONE GROSS IN A BOX. Nos. 1, 2, 3—ONE-HALF GROSS IN A BOX Nos. 4, 5—ONE-GUARTER GROSS IN A BOX

SCREW MEAT HOOKS

WROUGHT SOLID STEEL
TINNED

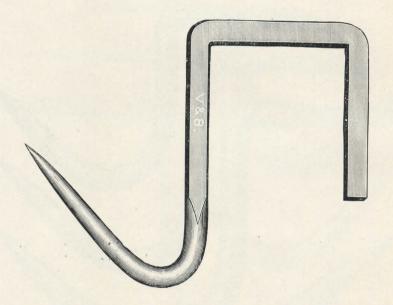


FULL SIZE CUTS

Nos	1	2	3	4	5
Size of Steel, inch					
Price, per gross	\$3.64	3.94	5.20	6.85	7.46

Nos. 1, 2, 3-ONE-HALF GROSS IN A BOX. Nos. 4, 5-ONE-QUARTER GROSS IN A BOX

WROUGHT STEEL. TINNED



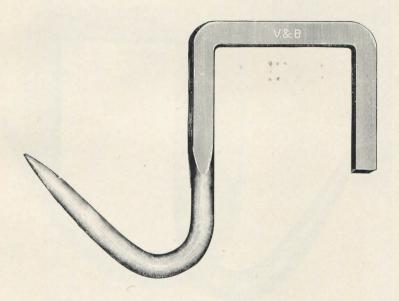
Made from 5/16 inch square steel.

No. 24, for 2 inch bar Price per gross, \$12.00

Made also for the following odd size bars:

WROUGHT STEEL.

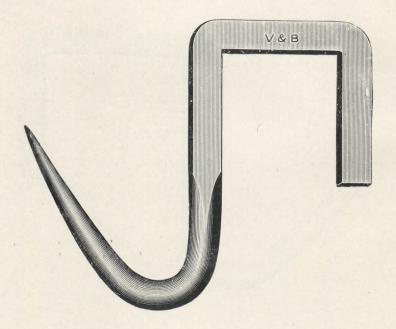
TINNED



Made from % inch square steel.

Made for 2 inch bar only.

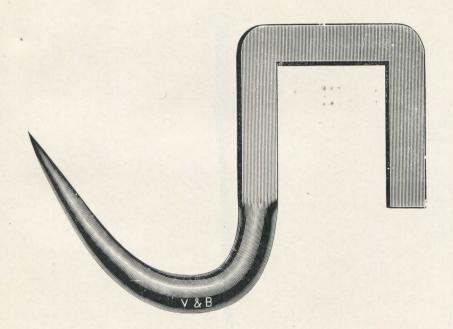
WROUGHT STEEL. TINNED



Made from 7/16 inch square steel.

Made also for the following odd size bars:

WROUGHT STEEL. TINNED



Made from ½ inch square steel.

Made also for the following odd size bars:

 $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{4}$ $\frac{2}{4}$ $\frac{2}{4}$ $\frac{2}{2}$ $\frac{2}{4}$ 3 inch Price per gross, \$21.00

BUTCHERS' BLOCK PINS

WROUGHT STEEL



No. 1, ½ in.,	18	inches	long,	Polishedpe	r doz.,	\$10.00
No. 2, ½ in.,	18	"		Tinned	66	8.00

BUTCHERS' BLOCK PINS

WROUGHT STEEL

WITHOUT HEAD



No. 3,	½ in.,	17	inches	long,	Tinned	ip	er doz.,	\$5.50
No. 4,	3/8 in.,	16	6.6	6.6				4.00

ROAST BEEF TIERS

SOLID TOOL STEEL

POLISHED



HAM STRINGERS

CAST STEEL

BLUED AND POLISHED



No. 1.....Price per dozen, \$6.00

HAM STRINGERS

CAST STEEL

BLUED AND POLISHED



No. 2......Price per dozen, \$6.00

HAM STRINGERS

CAST STEEL

BLUED AND POLISHED



No. 3......Price per dozen, \$6.00

HAM TRIERS

WESTERN PATTERN

TOOL STEEL. OIL TEMPERED. POLISHED



No. 1, full	length 12	inches	Price	per	dozen.	\$4.50	
No. 2, "	., 131	1. 66				6.50	

HAM TRIERS

EASTERN PATTERN

TOOL STEEL. OIL TEMPERED. POLISHED



No. 3,	full length,	12	incl	nesP	rice	per	dozen,	\$4.50
No. 4.	66	131	4		"		66	6.50

SHIP SCRAPERS

FIVE-INCH CUT



Length of handle, 16 inches.

No. 8, Cast Steel Blades, No. 14 Steel.....per dozen, \$5.00

BLADES: ONE DOZEN IN A BOX. HANDLES: PACKED LOOSE

BUTCHERS' BLOCK SCRAPERS

CAST STEEL BLADES

OIL TEMPERED

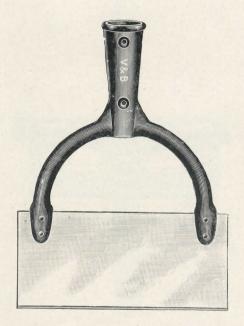


No. 26 Price per dozen, \$6.00

FLOOR SCRAPERS

STEEL BLADES

FOR PACKERS' AND WAREHOUSE USE

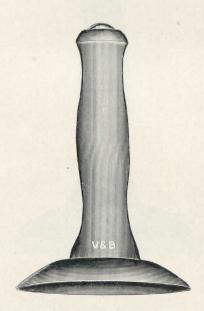


No. 1, Blades 7 inches long..... Price per dozen, \$9.00

HOG SCRAPERS

THE BEST CHEAP SCRAPER ON THE MARKET
FOR FARMERS' USE. BOLT THROUGH HANDLE

4-INCH DIAMETER



No. 8, Made of No. 20 Sheet Iron......Price per dozen, \$1.50

HOG SCRAPERS

4-INCH DIAMETER



Our Hog Scrapers are made from a good quality of sheet steel and ground on edge, bolted together, solid and strong. They are without doubt the best in the market.

No. 4, Made of No. 18 Sheet Steel..... Price per dozen, \$4.00

HOG SCRAPERS

4%-INCH DIAMETER



This scraper is used in all the large packing houses in the Country.

No. 6, Made of No. 18 Sheet Steel...........Price per dozen, \$5.00

MISCELLANEOUS TOOLS

BOX SCRAPERS

WARRANTED BEST TOOL STEEL



The best scraper made; it will work anywhere, on Boxes, Barrels or Kegs.

No. 2..... Price per dozen, \$6.00

BOX SCRAPERS

CAST STEEL BLADES WROUGHT STEEL SHANKS

234-INCH CUT



BOX SCRAPERS

BLADE WARRANTED BEST TOOL STEEL

434-INCH CUT



No. 7...... Price per doz., \$18.00

CRATE OPENERS

MAGNETIZED CLAW

SOLID CAST STEEL OF SUPERIOR QUALITY



Drop forged, complete in one piece, therefore the heads will not become loose.

Length, 9 inches.

No. 13,	Full PolishedPr	rice per	dozen,	\$ 9.00
No. 14,	Nickel Plated	"	66	10.00

BOX CHISELS

SOLID CAST STEEL



No. 1,	12	inch,	Full	Polish	1	Price per	dozen,	\$8.00
No. 2,	14	66	66	"		66	"	8.75
No. 3,	12	"	Half	66		"		7.00
No. 4,	14	"	66	.66	***************************************	66	66	7.75

BOX CHISELS

SOLID CAST STEEL



BOX OPENERS

BOOT AND SHOE DEALERS' BOSTON PATTERN'

POLISHED



Length, 9 inches.

No. 8, Size of Steel, $1 \times \frac{1}{4}$ inch.....Price per dozen, \$6.00

BOX CHISELS

SOLID TOOL STEEL CLAW

POLISHED FACE



No. 9, Length, 18 inches; Handle 3/4, round iron, per doz., \$12.00

HALF DOZEN IN A PACKAGE

BENCH STOPS

GERMAN PATTERN

DESIGNED FOR CARVERS AND CABINET MAKERS



No, 1,	Polished	Price	per	dozen	pairs,	\$15.00
No. 2,	Painted		6	66	66	13.00

SCREW DRIVER BITS

EXTRA QUALITY AND FINISH

CAST STEEL. BLUED AND POLISHED

BEVELED POINT



We guarantee this Bit equal to any in the market. No. 20, Assorted $\frac{1}{4}$, $\frac{5}{16}$ and $\frac{3}{8}$ Bits......Price per dozen, \$1.50

SCREW DRIVER BITS

CAST STEEL



No. 1, Full polished. Price per dozen, \$1.00

SCREW DRIVER BITS

CAST STEEL



No. 2, Full polished......Price per dozen, \$1.00

COUNTERSINK BITS

FOR IRON

CAST STEEL. BLUED AND POLISHED



COUNTERSINK BITS

FOR BRASS

CAST STEEL. BLUED AND POLISHED



COUNTERSINK BITS

FOR WOOD

CAST STEEL. BLUED AND POLISHED



BEST TOOL STEEL

FULL POLISHED



No. 8, Square......Price per dozen, \$1.50

BEST TOOL STEEL

FULL POLISHED



BEST TOOL STEEL

FULL POLISHED



SOLID CAST STEEL OF SUPERIOR QUALITY

OIL TEMPERED

BLUED AND POLISHED



No. 0



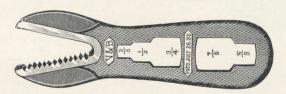
No. 1

Nos	0	1
Holds Pipe, inches	½ to ½	1/8 to 3/8
Holds Round Iron, inches	1/4 to 1/2	1/4 to 3/4
Length, inches	4	$5\frac{1}{2}$
Price per dozen		\$4.00

SOLID STEEL OF SUPERIOR QUALITY DROP FORGED. OIL TEMPERED PATENTED JULY 26, 1898



No. 12



No. 13

Nos		
Holda Dina : 1	12	13
Holds Pipe, inches	1/8 to 3/8	½ to 1
Holds Round Iron, inches	1/4 +0 3.	
Length, inches	/4 10 94	3/8 to 11/4
Deign	$5\frac{1}{2}$	7
Price per dozen	\$4.50	\$8.00

BEST TOOL STEEL

FULL POLISHED



BEST TOOL STEEL

FULL POLISHED



SOLID CAST STEEL OF SUPERIOR QUALITY

OIL TEMPERED

BLUED AND POLISHED



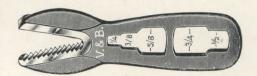
No. 0



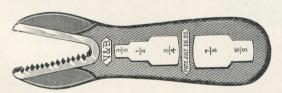
No. 1

Nos	0	1
Holds Pipe, inches	½ to ½	1/8 to 3/8
Holds Round Iron, inches	1/4 to 1/2	1/4 to 3/4
Length, inches	4	$5\frac{1}{2}$
Price per dozen	\$3.00	\$4.00

SOLID STEEL OF SUPERIOR QUALITY DROP FORGED. OIL TEMPERED PATENTED JULY 26, 1898



No. 12



No. 13

Nos	12	13
Holds Pipe, inches	1/8 to 3/8	1/8 to 1
Holds Round Iron, inches	1/4 to 3/4	3/8 to 11/4
Length, inches	$5\frac{1}{2}$	7
Price per dozen	\$4.50	\$8.00

SOLID CAST STEEL OF SUPERIOR QUALITY DROP FORGED. OIL TEMPERED



Nos	2	3	4	5
Holds Pipe, inches	3/8 to 3/4	½ to 11/4	11/4 to 2	2 to 3
Holds Round Iron, inches,	½ to 1	3/4 to 13/8	1½ to 2½	21/4 to 31/2
Length, inches		15	22	27
Price per dozen	\$12.00	24.00	36.00	54.00

SOLID CAST STEEL OF SUPERIOR QUALITY

DROP FORGED. OIL TEMPERED



TWIN PATTERN

Holds Pipe, inches	1/8 to 3/4
Holds Round Iron, inches	1/4 to 1
Length, inches	10
Price per dozen	\$18.00

ALWAYS READY WRENCHES

SOLID CAST STEEL OF SUPERIOR QUALITY

DROP FORGED. OIL TEMPERED

NICKEL PLATED



Nos	1	2	$2^{1/2}$	3
Inches	5	7	9	11
Holds Nuts or Pipe	½ to ¾	1/4 to 11/4	½ to 1¾	3/4 to 13/4
Price per dozen	\$5.00	6.75	10.50	16.00

ALWAYS READY WRENCHES

SOLID CAST STEEL OF SUPERIOR QUALITY

DROP FORGED

OIL TEMPERED. CHASED BODY. POLISHED RIBS



Nos	101	102
Inches	5	7
Holds Nuts or Pipe	½ to ¾	1/4 to 11/4
Price per dozen	\$4.60	6.30

THE V. & B. PIPE WRENCHES

PATENTED DECEMBER 6, 1898



Cut showing position when working on $1\frac{1}{2}$ inch pipe and guaranteed not to crush nor lock on any size pipe within its range.



Cut showing position when used on Hexagon Nuts. It will not mar the nut as tits positive grip never slips.



Cut showing position when in use on Square Nuts. It will be seen that the harder the pull the tighter the nut is gripped, and no matter how greasy the nut may be the grip will never slip.

Made in four sizes: 10, 14, 18 and 24 inches.

FOR DESCRIPTION AND PRICES, SEE NEXT PAGE

THE V. & B. PIPE WRENCH

PATENTED DECEMBER 6, 1898

As will be seen from the cuts on opposite page, this wrench consists of only two pieces, which are DROP FORGED from CAST STEEL; there is no malleable or wrought iron used in its construction. It is SOLID CAST STEEL from end to end; it has no threads to rust and wear out, nor springs to break; it cannot lock nor wedge on the pipe, and will release its grip instantly when the pressure on the handle is removed. The teeth are in line tangent to the circumference of the pipe, which, combined with the oscillating angular toothed jaw, absolutely prevents crushing or slipping on the pipe. The jaws are OIL TEMPERED and the teeth can be readily sharpened with a file when dull.

We claim for the V. & B. Pipe Wrench, simplicity of construction, combined with lightness and strength, and its positive rigidity when under a strain; there is no wrench that excels it. EVERY WRENCH IS WARRANTED TO DO ALL WE CLAIM FOR IT.

No.	Takes Pipe	Length	Weight	Price
10	1/8 to 1	10 inches	11/4 pounds	Each, \$2.25
14	$\frac{1}{4}$ to $1\frac{1}{2}$	14 "	21/4 "	" 3.00
18	3/8 to 2	18 ''	41/2 "	" 4.00
24	½ to 2½	24 ''	7 "	" 6.00

No.	Extra Jaws	Extra Handles
10	Price, each, \$0.75	Price, each, \$1.50
14	" 1.00	" 2.00
18	" 1.33	" 2.67
24	2.00	" 4.00

POST HOLE AUGERS



HALF DOZEN HANDLES IN A BUNDLE. HALF DOZEN BOTTOMS IN A BUNDLE

In ordering extra parts of this auger to replace broken or worn out parts be careful to describe the piece you want as shown and numbered on this page.

PART No. 1-AUGER HANDLE



Top Casting and Hollow Tube Price, each, 50 cts.

PART No. 2



Auger Point Price, each, 28 cts.

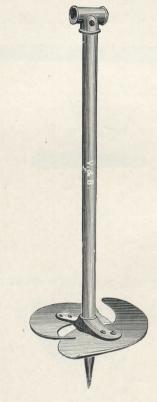
PART No. 3-AUGER BLADES



PART No. 4-AUGER BOTTOM



TELEGRAPH AUGERS



These Augers are hand made and contain from three to four times the material of the ordinary post hole augers for fence holes, and the price is based upon this extra cost. They are designed for heavy work.

	A COLOREST				
		Complete with 5 foot handle	Points only	Blades only	Bottoms
	each	\$7.00	\$1.00	\$1.00	\$3.00
12 ''		8.00	1.00	1.50	4.00
14 . "		9.00	1.00	2.00	5.00

Extra price for 8 foot handles, 25 cents each, net.

POST HOLE DIGGERS



Price,	per dozen	1		\$15.00
Extra	Handles,	per dozen	pieces	3.00

HAND COLD CHISELS

OIL FINISHED



No. 40 - MADE OF AMERICAN CAST STEEL

Sizes of Octagon Steel, inch,	1/4	5/16	3/8	1/2	5/6	3/4	7/	1
Full Length, inches	51/4	51/4	53/4	6	63/4	71/2	0	0
Average weight per dog 1ha	11/	41/	0/4	0	0 /4	1 /2	0	8
Average weight per doz., 1bs.,	1/2	$1\frac{1}{2}$	21/4	4	7	11	15	20
No. 40, made of American Solid	d Ca	st Ste	ee1	n	er n	ound	30	cto
No. 45, " Extra Quality		66						
Datia Quality			,		6	•	40	cts.
No. 60, " Jessop's Engli	sh	6.6				6	50	cts.

MACHINISTS' CAPE CHISELS

OIL FINISHED



No. 50 - MADE OF AMERICAN CAST STEEL

Sizes of Cutting Edge, inch, $\frac{1}{8}$ $\frac{3}{16}$ $\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$ $\frac{7}{16}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{3}{4}$ $\frac{7}{8}$ Sizes of Octagon Steel, " $\frac{1}{2}$ $\frac{1}{2}$ $\frac{5}{8}$ $\frac{5}{8}$ $\frac{5}{8}$ $\frac{3}{8}$ $\frac{3}{4}$ $\frac{3}{4}$ $\frac{7}{8}$ $\frac{7}{8}$

When ordering give size of Cutting Edge wanted.

No. 50, made of American Solid Cast Steel.....per pound, 40 cts. No. 70, "Jessop's English" 60 cts.

MACHINISTS' DIAMOND POINT CHISELS

OIL FINISHED



No. 55 - MADE OF AMERICAN CAST STEEL

Sizes of Point, inch	1/4	5/16	3/8	1/2	
Sizes of Octagon Steel, inch	5/8	5/8	3/4	7/8	
When ordering give size of poir	nt wa	anted.			
No. 55, made of American Solid Cast Steel No. 75. "Lesson's English "	p	er pou		cts.	

MACHINISTS' ROUND NOSE CHISELS

OIL FINISHED



No. 65 - MADE OF AMERICAN CAST STEEL

Sizes of Point, inch	1/4	5/16	3/8	$1/_{2}$
Sizes of Octagon Steeel, inch	5/8	5/8	5/8	3/4
When ordering give size of	point wa	inted.		
No. 65, made of American Solid Cast Sto No. 85, "Jessop's English"	eelpe			cts.

LONG BRICK CHISELS

OIL FINISHED

FOR DIGGING THROUGH BRICK WALLS

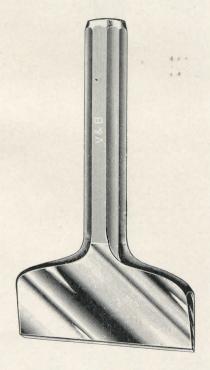


Size of	Octagon	Steel,	5/8,	length	inches,	16
"	"	"	$\frac{3}{4}$,	66		18
"	"	"	7/8,	""		20
Price					per pound, 30 c	+5

BRICKLAYERS' CHISELS

AMERICAN CAST STEEL

OIL FINISHED



Sizes $3\frac{1}{2}$, 4, $4\frac{1}{2}$ inch wide, Price per pound, 70 cts.

FARMERS' MACHINE PUNCHES



Nos. 00 0 1 2 3 4 5 6 Size, inch. $^{10}\!\!/_{32}$ $^{9}\!\!/_{32}$ $^{8}\!\!/_{32}$ $^{7}\!\!/_{32}$ $^{6}\!\!/_{32}$ $^{5}\!\!/_{32}$ $^{4}\!\!/_{32}$ $^{3}\!\!/_{32}$

Made of ½ inch Octagon Cast Steel.

Length, 6 inches, average weight per doz., 3\% lbs., per lb., 30 cts.

FARMERS' RIVET SETS AND HEADERS

SOLID STEEL. HALF POLISH

(FOR TINNERS' RIVET SETS SEE PAGE 189)

MADE FOR AND NUMBERED THE SAME AS COPPER RIVETS



No.	7,	fits No.	7	Copper	Rivet	·····Price	per	doz.	\$5.00
No.	8,	"	8	66	6.6		P	"	5.00
No.	9,	66	9	"	.00	- 66		"	5.00
No.	10,	66	10	"	"			"	5.00

BELT PUNCHES

SOLID STEEL, DRILLED AND REAMED.

FULL POLISHED



$\bigcirc \bigcirc \bigcirc$	$\bigcirc_{3} \bigcirc_{4}$	$\bigcirc \bigcirc_{5} \bigcirc_{G}$	7 0	9 0
11	12	13	14	14 SPECIAL

Nos. 1, 2, 3, 4, 5, 6	rice pe	r dozen,	\$2.00
Nos. 10, 11, 12	66	66	
1405. 15, 14		"	2.50
No. 14 Special	66	"	5.25

BELT PUNCHES

SOLID STEEL, DRILLED AND REAMED
OIL FINISHED SHANK. POLISHED PIPE



$\bigcirc \bigcirc \bigcirc$	$\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$	$\bigcirc \bigcirc \bigcirc$ $5 \bigcirc 6$	O 0	9 0
				14 SPECIAL

Nos. 1, 2, 3, 4, 5, 6	Price per	dozen,	\$2.00
Nos. 7, 8, 9	4.6	66	2.25
Nos. 10, 11, 12	6.5	66	2.50
Nos. 13, 14	66	66	5.00
No. 14 Special	6.6	66	5.25

NAIL SETS

HALF POLISHED



No. 5, Octagon Steel......Price per gross, \$6.00

ONE-QUARTER GROSS IN A BOX

NAIL SETS

EXTRA QUALITY. FINELY TEMPERED

CHASED POINT. CHASED BODY. FULL POLISHED



No. 10, Assorted 3/32, 3/32, 4/32 pointsPrice per gross, \$12.00

OYSTER KNIVES

NEW ORLEANS PATTERN

TOOL STEEL

POLISHED APPLEWOOD HANDLE



No. 50 Price per dozen, \$5.00

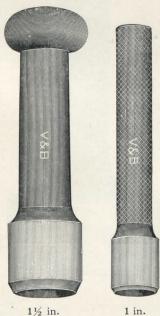
HALF DOZEN IN A BOX

TINNERS'

TOOLS

TINNERS' HOLLOW PUNCHES

ALL SIZES ARE MADE OF SOLID CAST STEEL

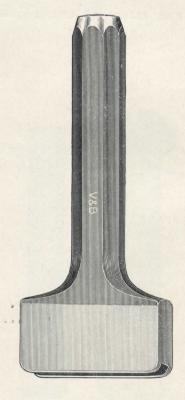


1 in.

 $1\frac{3}{8}$ $1\frac{1}{2}$ $1\frac{3}{4}$ 2 $2\frac{1}{4}$ $2\frac{1}{2}$ $2\frac{3}{4}$ 3 Price per inch, \$1.00

TINNERS' HAND GROOVERS

SOLID CAST STEEL



No.	00,	Width	of Groove	$\frac{1}{2}$ $\frac{7}{16}$	inch	 Price per	dozen,	\$9.00
No.	1,	4.6	6.6	3/8		 ٤.		7.56
No.	2,	4.6		5/16		 		7.56
No.	3,	6.6		1/4	. 66	 	66	6.00
No.	4,	4.6		7/32	6.	 66	66	6.00
No.	5,	٠.	44	6/32		 	66	4.44
No.	6,		"	5/32	. 6	 	"	4.44

HALF DOZEN IN A BOX

TINNERS' RIVET SETS AND HEADERS



(FOR FARMERS' RIVET SETS SEE PAGE 179)

Best Cast Steel, Nos. 00 and 0												
4 4												
" " 3 4	.UU											
0.0	11											
3.8	.84											
Size of iron and copper rivets each number fits:												
No. 00 fits 14 pound Iron Rivets.												
No. 0 '' 10-12 '' '' ''												
No. 1 " 8 " " "												
No. 2. " 6 " " "												
No. 3 " 4-5 " and No. 7 Copper Rivets.												
No. 4 " 2½-3 " " " " 8 " "												
No. 5 " 13/4-2 " " " " 10 " "												
No. 6 " 1½ " " " 12 " "												
No. 7 · 11/4 · · · · · ·												
No. 8 " 10-12 oz. " "												
110. 0 10-12 02.												

HALF DOZEN IN A BOX

TINNERS' SOLID PUNCHES



Made of 1/4, 5/16 and 3/8 inch Square Cast Steel.

Nos. 00, 0, 1, 2, 3, 4, 5, 6, 7, 8 per doz., \$1.00 Size $^{10}\!\!/_{32}$ $^{9}\!\!/_{32}$ $^{8}\!\!/_{32}$ $^{8}\!\!/_{32}$ $^{6}\!\!/_{32}$ $^{5}\!\!/_{32}$ $^{4}\!\!/_{32}$ $^{3}\!\!/_{32}$ $^{2}\!\!/_{32}$ $^{3}\!\!/_{64}$ inch.

Size of iron rivets each number fits:

No. 00, 0, 1, 2, 3, 4, 5, 6, 7, 8 Rivets, 14 lb. 12 lb. 10 lb. 8 lb. 6 lb. 4 lb. 2 lb. 1 lb. 12 oz. 8 oz.

TINNERS' MARKING AWLS

OIL TEMPERED



Cast Steel......Price per dozen, \$1.00

TINNERS' PRICK PUNCHES



Made of 3/8 Octagon Cast Steel.Price per dozen, \$1.25

TINNERS' CENTER PUNCHES



Made of 3/8 Octagon Cast Steel. Price per dozen, \$1.25

TINNERS' WIRE CHISELS

MADE OF BEST CAST STEEL

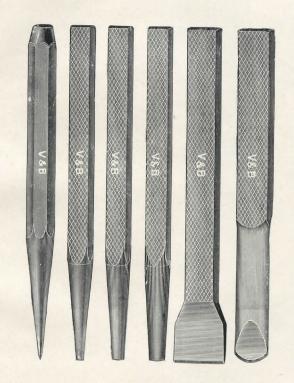


Price per dozen \$1.15 1.25 1.33 1.40 1.50 1.75

1/2, 5/8— one dozen in a box. 3/4, 7/8, 1, 11/4— half dozen in a box

SET TINNERS' SOLID PUNCHES

CAST STEEL



- 1 Prick Punch.
- 1 Solid Punch each, No. 3, 4, 5.
- 1 Wire Chisel, 3/4 inch.
- 1 Lantern Chisel.

Price...... per set, 75 cents.

ONE SET IN A BOX