

Stillson Pipe Wrenches

(American make)



Fig. 1993A. 6 to 14 in., with Wood or Steel Handles.

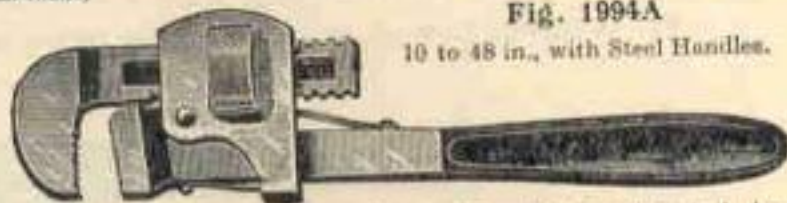


Fig. 1994A
10 to 48 in., with Steel Handles.

These wrenches are made in two styles, wood and steel handles. The bar and jaw are manufactured from high carbon steel, drop forged, heat treated and tempered, the combined processes giving a strength that ensures their holding up under the severest strain. Both bar and jaw are reinforced at all essential points. Adjusting nuts are of steel, case hardened. Jaws and bars are highly polished and the wood handles are of ebonized finish reinforced with steel ferrules.

PRICE, each

		With Wood Handle				With All Steel Handle							
		6	8	10	14	6	8	10	14	18	24	36	48
Length when open	in.												
Taken Pipes	in.	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-2	1-2 1/2	1-3 1/2	1-5
Wrench complete		8/4	9/6	13/3	17/9	7/11	9/2	12/-	16/-	23/-	35/6	62/6	104/-
Jaws		2/9	2/11	4/7	6/3	2/9	2/11	4/7	6/3	9/-	14/7	23/9	37/6
Frames with Pin		1/11	2/4	2/11	3/4	1/11	2/4	2/11	3/4	4/-	7/4	11/6	14/7
Wood Handles		1/-	1/1	1/3	1/6								
Steel Handles, with Springs						4/2	4/10	6/8	9/2	13/7	21/6	43/9	70/10
Adjusting Nuts		7/8	7/8	7/10	1/3	7/8	7/8	7/10	1/3	1/6	2/4	4/7	8/4
Springs		7/5	7/5	7/5	7/5	7/5	7/5	7/5	7/5	7/5	7/5	7/5	7/5
Frame Pins		7/2	7/2	7/2	7/2	7/2	7/2	7/2	7/2	7/2	7/2	7/2	7/2
End Nuts		7/8	7/8	7/10	7/10								

"Record" Stillson Pattern Pipe Wrenches (British made)

Figs. 1933B and 1934B. List Prices as above. (6 in. Steel Handle is not made).

"Walco" Pipe Wrench (Made in U.S.A.)

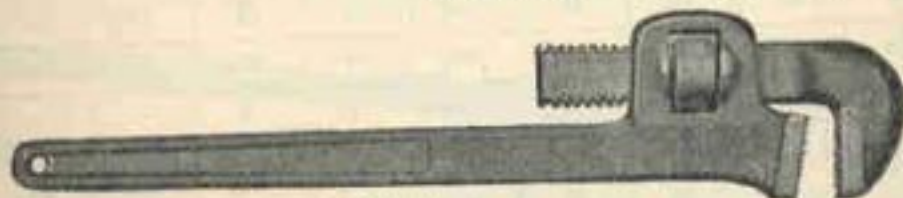


Fig. 695

This Wrench is of exceptional strength and consists of only four parts:—Bar, Jaw, Nut, and Spring. The Threads on the Jaw have rounded crests to prevent jamming. The Wrench is so constructed that it cannot lock on the Pipe.

PRICES

Length open, in.	6	8	10	14	18	24	36	48
Grips Pipe, in.	1-1/2	1-1/2	1-1/2	1-1/2	1-2	1-2 1/2	1-4	1-6
PRICE, each	7/11	9/2	11/11	16/1	22/11	35/5	62/6	104/2

PARTS

For size	in.	6	8	10	14	18	24	36	48
Bars	each	4/7	5/8	7/4	10/3	15/-	23/7	47/11	78/2
Jaws		2/9	2/11	4/7	6/3	9/-	14/7	23/9	37/6
Nuts		7/8	7/8	7/10	1/3	1/6	2/4	4/7	8/4
Springs		1/1	1/3	1/6	1/8	2/1	2/6	2/11	3/4

"Little Giant" Pipe Wrenches (Made in U.S.A.)



8 in. and 10 in.
With Double Set of Teeth on Head



14 in., 18 in. and 24 in.
With Four Sets of Teeth on Head

Simple, Light and Strong. No springs or pins to break.
The extra sets of teeth on head add proportionately to the life of the tool.
Owing to the design of the end-opening jaws there is increased effective swing in confined places.

Length	8	10	14	18	24 in.
Capacity, Pipes	1 1/2	1 3/4	2 1/2	4 1/2	8 lb.
Approx. weight	1 1/2	1 3/4	2 1/2	4 1/2	8 lb.
PRICE	9/5	10/5	14/7	20/10	30/3 each

2, WHITECHAPEL ROAD, LONDON, E. 1.

"Vulcan" Patent Drop-Forged Steel Chain Pipe Wrench

For Gripping, Turning, or Holding Pipes, Bolts, Bars, Shafts, &c., from $\frac{1}{4}$ to 18 in. Diameter, (Made in U.S.A.)
supplied either with Cable or Flat-Link Chain

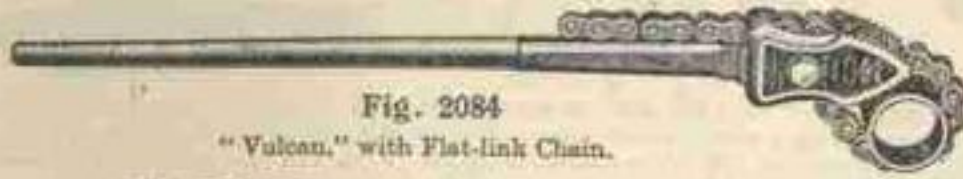


Fig. 2084

"Vulcan," with Flat-link Chain.



Fig. 2085

"Vulcan," with Cable Chain.



Fig. 3859

"Vulcan," with double-ended Reversible Jaws and Flat-link Chain.



Fig. 9687

"Vulcan Superior," with Reversible Pipe and Fittings Jaws.

Strong and durable. Made from wrought steel. The drop-forged jaws are of saw temper, and the teeth can be sharpened by filing. The pressure of the teeth is in a line tangent to the circumference of the pipe, and this, combined with the encircling grip of the chain, prevents crushing. The cable chains are of finest quality. The flat-link chains are hand-made from steel prepared expressly for them and carefully tested. The breaking strain of "Vulcan" Chains is much higher than other makes.

To change the chain, unscrew one cap-screw, but remove neither jaw; slip out the internal pin on which the chain swings, thus releasing the chain; insert new chain, replace pin and cap-screw, screwing the latter firmly into place.

All parts are interchangeable, and can also be supplied.

The "V" recess in the jaws, combined with their general design, gives the "Vulcan Superior" a greater number of grips or "bites," both on pipe and fittings than ordinary wrenches.

Flat-Link Chain sent unless otherwise specified.

Figs. 2084 & 2085 Nos.	10	11	12	13	13½	14	15	15½	16
Fig. 3859 (Reversible Jaws) Nos.	30	31	32	33	33½	34	35	—	—
Fig. 9687 "Vulcan Superior" Nos.	0	1	2	3	3½	4	5	—	—
Capacity, Fitting Pipes in.	$\frac{1}{4}$ to $\frac{1}{2}$	$\frac{1}{2}$ to 1	$\frac{1}{2}$ to 2½	$\frac{1}{2}$ to 4	1 to 6	1½ to 8	2 to 12	4 to 16	4 to 18
Length overall	13½	20	27	37	44½	50½	64½	83	87
Weight (approx.) lb.	2	5½	10	17	26	34	54	98	137
Length of Flat-link Chain									
Figs. 2084, 3859 and 9687 .. in.	9½	13½	17½	22½	32	40½	55½	68	74½
" .. Cable Chain, Fig. 2085	9½	14½	18	27	33½	42	57	67	76
PRICES, all patterns each	20/10	29/2	41/8	58/4	75/-	91/8	150/-	250/-	333/4
Extra Parts—Flat-link Chains	6/3	8/4	12/6	20/10	29/2	37/6	62/6	125/-	166/8
—Jaws pair	8/4	14/7	23/2	33/4	39/7	45/10	62/6	100/-	133/4

"Record" Chain Pipe Wrenches

Fig. 782

British Made

Similar to Fig. 3859 shown above.

No.	230	231	232	233	233½	234	235	216*
Capacity .. in.	$\frac{1}{4}$ to $\frac{1}{2}$	$\frac{1}{2}$ to 1	$\frac{1}{2}$ to 2	$\frac{1}{2}$ to 4	1 to 6	1½ to 8	2 to 12	4 to 18
Length overall ..	14	20	27	37	44½	50½	64½	87
PRICE .. each	21/-	29/-	41/6	58/6	75/-	91/6	150/-	333/6
Jaws .. per pair	8/3	14/6	23/-	33/3	39/6	45/9	62/6	133/6
Chains .. each	6/3	8/3	12/6	21/-	29/-	37/6	62/6	166/6

* Supplied with Non-Reversible Jaws as per Fig. 2084 above.

Chain Pipe Wrenches

Fig. 783

Simple yet Efficient. Best Quality Cycle Chain.
Carbon Steel Handle.



Length ..	5	8	11	14	20	28	36	in
Capacity ..	1½	2½	3	4	6	9	12	"
PRICE ..	1/-	2/3	4/6	9/-	17/6	25/-	32/6	

2, WHITECHAPEL ROAD, LONDON, E.1.

Adjustable Pipe Tongs



Fig. 2101

Length in.	Jaws Open in.	PRICE, per dozen	
		Best Finish	Second Finish
4	—	18/6	17/-
5½	—	23/-	19/-
7	1½ to 1½	28/6	22/6
9	2 to 2½	43/-	35/6
12	3 to 3½	66/6	55/-
14	4 to 4½	82/6	67/-
16	5 to 5½	134/-	110/-
21	6 to 6½	171/-	144/-

Special Pipe Tongs

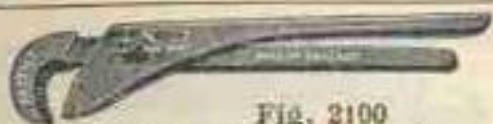


Fig. 2100
With Hooked Upper Jaw

Length in.	Grip Pipe in.	PRICE each.
12	to 1	6/10
15	" 1 1/2	8/-
21	" 2	17/11
30	" 3	33/6

Parrot-Nose Pipe Wrenches

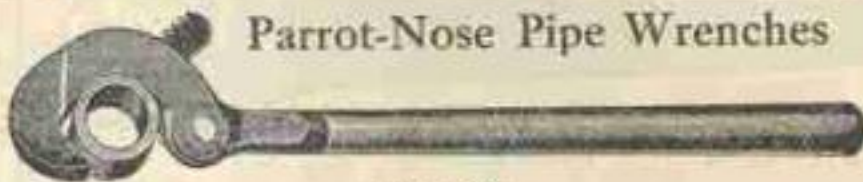


Fig. 2088

A	takes	$\frac{1}{4}$	to	$\frac{1}{4}$	in.	$\frac{8}{5}$	each	F	takes	$\frac{1}{4}$	to	$\frac{3}{4}$	in.	$\frac{39}{5}$	each
B	"	$\frac{1}{4}$	"	$\frac{1}{4}$	"	$\frac{9}{5}$	"	G	"	$\frac{2}{4}$	"	$\frac{4}{4}$	"	$\frac{47}{5}$	"
C	"	$\frac{1}{4}$	"	$\frac{1}{4}$	"	$\frac{12}{5}$	"	H	"	$\frac{2}{4}$	"	$\frac{5}{4}$	"	$\frac{63}{5}$	"
D	"	$\frac{1}{4}$	"	$\frac{2}{4}$	"	$\frac{18}{5}$	"	J	"	$\frac{3}{4}$	"	$\frac{6}{4}$	"	$\frac{80}{5}$	"
E	"	$\frac{1}{4}$	"	$\frac{2}{4}$	"	$\frac{23}{5}$	"								

Gas Pipe and Socket Tongs

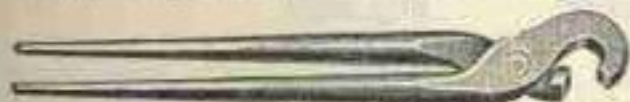


Fig. 2087

Pipe Size	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3	4	6	8	10	12	14	16	18	20	24	30	36	42	48	in.	
PRICE	3/9	4/9	5/6	7/2	7/6	9/3	11/6	13/2	14/9	15/9	17/6	19/3	21/3	23/3	25/3	27/3	29/3	31/3	33/3	35/3	37/3	39/3	41/3	ea.

Socket Tongue advance one size.

Improved Gas Tongs

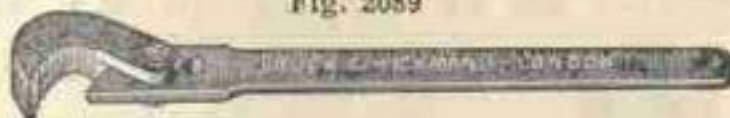


Fig. 2089

No.	takes	1.	1.	1.	m.	Pipe	PRICE	13/5 ea.
2	"	5	1	1	1	"	17/8	"
3	"	1	1	1	2	"	21/	"
4	"	2	3	3	"	"	42/	"
5	"	3	4	"	"	"	48/	"



Adjustable Gas Tongs Fig. 2090

No. 1 takes from	1 in. to 1 in. Pipes	PRICE	28/3 ea
" 2 "	" 1 1/2 "	"	38/6 "
" 3 "	" 2 1/2 "	"	48/ "
" 4 "	" 4 "	"	84/ "

"Johnston" Automatic Pipe Wrench

High-grade, drop forged, self-adjusting, self-releasing.

Never tame.



Fig. 1733

Length open	12	16	24	in.
Takes Pipe	1 to 1	1 to 1 1/2	1 to 2 1/2	"
Wrench complete	9/8	12/8	27/8	each
Extra Jaw	5	7	11	"

Warnock Smooth Grip
Pipe Wrench (Made in U.S.A.)

(Made in U.S.A.)

Flexible-woven strap, drop forged shackle, enamelled handle and polished head. Suitable for nickel-plated or highly polished brass pipes, &c.



Fig. 1734

Length	..	..	12	18	in.
Take Pipes	..	..	1 to 2	1 to 5	"
Wrench complete	..	..	13/9	27/6	each
Extra Straps	..	..	3/9	5/6	"



"Bear" Smooth Grip Chain Pipe Wrench

Fig. 2086. Reversible

Takes Pipes	..	1½ to 2½	1½ to 4	2 to 8	3 to 12	6 to 18 in.
PRICE	..	34/6	46/-	69/-	165/-	300/- each

Chains only, half price of complete wrench.

Chains only, half price of complete wrench.

"The Master" Adjustable Spanner Fig. 1444



The handle mechanism is mounted in a ball-race, which eliminates friction. The body of hydraulic drawn steel, is in one piece and virtually unbreakable. The jaws are arranged to grip four sides of a hexagon nut. It will grip and turn smooth round bar, will remove studs and split pins. It can be used as a vice or a clamp.

Sizes	3 1/2	6	9 in.
PRICE	3/6	5/6	8/6 each

Crocodile Pipe Wrench



Fig. 2093

No.	1	2	3	4	5
Span	1 1/2	1	1 1/2	2	3 in.
PRICE	3/6	7/-	10/-	15/-	22/- each

Williams' "Bull Dog" Pipe Wrench

(Made in U.S.A.)



Double-ended
Fig. 1713

Drop forged from special grade of High Carbon Steel and tempered in oil.

PRICE, 10 in. long, holds pipes 1/2 to 1 in. ... 6/3 each

Williams' "Bull Dog" Pipe Wrench

Single-ended. The handles of Nos. 2 and 2 1/2 are concave.

No.	2	2 1/2	3	3 1/2	4	4 1/2	5
Takes pipe in.	1/2 to 1	1/2 to 1 1/2	1 to 1 1/2	1 to 1 1/2	1 1/2 to 2	1 1/2 to 2 1/2	2 to 3
PRICE, each	4/2	6/3	8/4	10/5	12/6	16/8	20/10

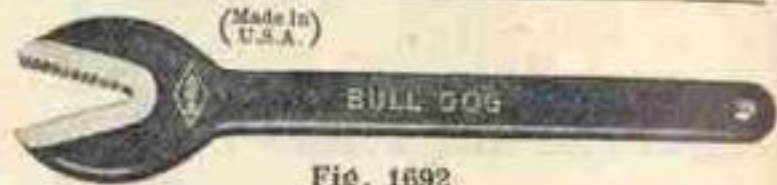


Fig. 1692

Stud Setting Box

Fig. 1736



Stud diam. in.	PRICE each	Stud diam. in.	PRICE each
1/2	7/-	1	14/-
3/4	7/6	1 1/2	16/-
1	8/6	1 1/2	18/6
1 1/4	10/-	1 3/4	21/-
1 1/2	12/-	2	24/-

Stud Removing Spanner

Fig. 1735



For Studs ..	1/2 to 1	1 to 1 1/2	1 1/2 to 1 3/4	1 3/4 to 2	2 to 2 1/2 in.
PRICE	16/-	16/6	18/-	20/-	23/- each



Budding or MacMahon Spanners

Fig. 2059

Size To Span	6	8	10	12	14	16	18	21	24	27	30 in.
PRICE	8/-	9/6	11/6	13/6	15/6	18/6	25/-	30/-	33/6	48/-	65/- each

Double Bar Coach Wrenches

Fig. 2057

Size To Span	6	8	10	12	14	16	18 in.
PRICE	9/-	10/3	14/-	18/6	22/6	25/-	35/- each



Automobile Wrenches. Fig. 2071. (American). Fig. 2071E. (British.)



Fig. 2071 Finished Black

No.	1	2	3	4	5	6	7
Size (Fig. 2071)	5 1/2	7 1/2	9	11	15	18	21 in.
" (Fig. 2071E)	7	9	11 1/2	14 1/2	18	—	—
Opening	1 1/2	2	2 1/2	3	3 1/2	4 1/2	4 1/2
PRICE, Fig. 2071	3/6	4/3	5/3	8/-	14/9	18/9	31/3 each
" " 2071E	2/6	3/6	6/-	10/-	20/-	—	—



Improved Shifting Spanners

Fig. 2064. Wrought steel with smooth Hardened Jaws.

Size	4 1/2	5 1/2	7	9	10 1/2	12	15	18 in.
PRICE	2/8	3/4	3/11	5/9	7/8	9/6	16/-	19/9 each

Improved Shifting Spanners

Fig. 1695. Black Finish

Size	5 1/2	7	9	11	12	15 in.
PRICE	5/2	2/7	4/1	4/5	7/9	8/5 each



Adjustable Wrenches (Made in U.S.A.)

Drop-forged from steel bar. Finished black. Sliding Bar graduated to 1/16 in.

Fig. 3863

Size, 6 in.; Opens, 1 1/2 in.; Weight, 11 1/2 oz.; Price, 7/- ea.
 " 7 " " 1 1/2 " " 19 " " 8/6 "

Similar design to Fig. 2070

Fig. 2070

Size, 5 in.; Opens, 1 in.
 Weight, 7 1/2 oz.
 PRICE 6/3 each



Lucas "Girder" Wrenches

Fig. 1732

Strongly made, accurate, easily manipulated, neat in appearance and light to handle.
 Carefully tempered and finished gun black.

No.	90.	Size,	3 1/2 in.	..	..	..	..	..	..	PRICE	2/9 each
"	91.	"	4 1/2 "	..	..	..	..	..	..	"	3/9 "
"	93.	"	7 1/2 "	..	..	..	..	..	..	"	6/6 "



Billings' Patent Adjustable Wrenches (Made in U.S.A.)

Pocket Wrench. Fig. 2069

Made of forged steel throughout, and the sliding bar is graduated to 1/32 in., with oval edges.
 Size, 4 1/2 in.; Opens, 1 in.; Weight, 7 1/2 oz.

PRICE. Model A. Black 6/3

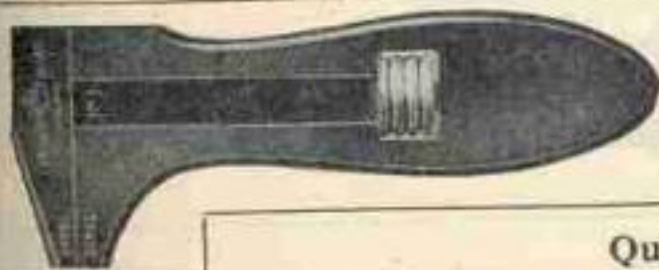


Bicycle Wrenches (Made in U.S.A.)

Fig. 3864

Size, 4 1/2 in.; Opens, 1 1/2 in.; Weight, 6 oz.

PRICE. Black 4/3



"King Dick" Spanners. Fig. 1711

No.	..	..	0	1	2	3	in.
Length	..	..	3	4	6	9	..
Takes Nuts	..	..	0/1	0/1	0/1 1/2	0/1 1/2	..
PRICE	..	..	1/4	1/9	2/9	10/6	each

Quick-Grip Pliers Fig. 2116

A handy tool for the motorist, cyclist, engineer, plumber, gasfitter, electric-light fitter, watchmaker, and every trade where nuts are used. Self-adjusting, powerful, and convenient.

Size	6	7 in.
Range of Grip	1/2 to 1	1/2 to 1 "
PRICE	2/-	2/3 each



Bemis & Call's Combination Wrenches (Made in U.S.A.)

The Head, Bar, and Shank are in one piece. Combines an ordinary Nut Wrench with a Pipe Wrench. Finished Bright.

Fig. 2068



Size	For Pipes	..	..	..	Short Nut	Long Nut	each
8 in.	to 1 1/2 in.	..	..	..	8/9	9/5	..
10 "	" 1 "	..	..	..	9/9	10/5	..
12 "	" 1 1/2 "	..	..	..	11/10	12/6	..
15 "	" 2 1/4 "	..	..	..	15/8	16/8	..
18 "	" 3 "	..	..	..	28/6	30/3	..

2, WHITECHAPEL ROAD, LONDON, E. 1.

Williams' Agricultural Wrenches (Made in U.S.A.)



Fig. 2067

Head and Bar drop-forged in one piece, fitted with easy acting screw and thoroughly seasoned handle.

Size ..	6	8	10	12	15 in.
Jaws open	$2\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{2}$ "
PRICE	3/6	4/2	4/11	6/3	8/4 each

Williams' Machinist's Knife Handle Wrenches (Made in U.S.A.)

The Head and Bar of this Wrench are drop-forged in one piece. Sliding Jaw is hardened to withstand severe service. Fitted with easy acting screw.

Size ..	6	8	10	12	15	18	21 in.
Jaws open	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	$2\frac{1}{2}$	3	$3\frac{1}{2}$ "
PRICE	5/3	6/3	7/8	9/9	13/3	16/8	20/2 each

Fig. 4961

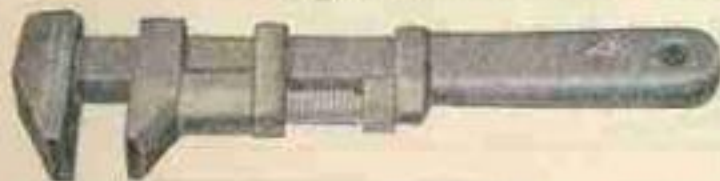


Williams' Railroad Wrenches (Made in U.S.A.)

Fig. 4962

Head and Bar drop-forged in one piece from selected steel and extra heavy jaws thoroughly case-hardened. Fitted with indestructible iron handle and easy-acting screw.

Size ..	6	8	10	12	15	18	21 in.
Jaws open ..	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	$2\frac{1}{2}$	3	$3\frac{1}{2}$ "
PRICE ..	5/3	6/3	7/8	9/9	13/3	16/8	20/2 each



Coe's Knife Handle Wrench (Made in U.S.A.)

Best steel and material throughout. Put together under tension. Wood handle fully screwed at both ends. Case-hardened. Black finish.

Size ..	6	8	10	12	15	18	21 in.
Capacity	$\frac{1}{2}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	$2\frac{1}{2}$	3	$4\frac{1}{2}$ "
PRICE ..	5/3	6/3	7/8	9/9	13/3	16/8	20/2 each

Also made all Steel Handles. Same prices.

Fig. 2066



Coe's Key Model Wrench (Made in U.S.A.)

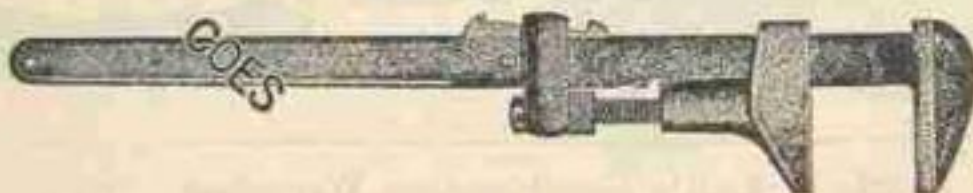


Fig. 3909

Made of heavy steel forgings, fully hardened. It is self-contained. The key cannot come off, and the two positions for jaw straps assure its going into corners without trouble.

Size, 28 in.	Opens, $5\frac{1}{2}$ in.	Weight, 19 lb.	..	..	..	PRICE 141/8 each
" 36 "	" $6\frac{1}{2}$ "	" 27 "	..	..	..	" 200/ "
" 48 "	" $9\frac{1}{2}$ "	" 62 "	..	..	..	" 391/8 "

Clyburn Spanners (Straight)

Fig. 2073



No.	3	2	3	4	5	6	7	8	9	10	in.
Size	5½	6½	8½	10	12½	15	17½	20	24	26	
To Span	1	1½	2	1	1½	1½	1½	2	2½	2½	
PRICE	6/3	6/-	7/-	9/6	11/9	14/9	18/9	23/3	28/-	32/9	each
Parts—Slide Jaw	2/6	2/3	2/6	3/3	3/9	4/9	6/9	8/6	10/6	11/6	
Worm	1/3	1/2	1/3	1/8	2/-	2/3	3/8	4/3	4/3	4/3	
Body	5/3	4/9	5/9	7/9	9/10	12/-	14/6	18/6	22/6	28/4	

Clyburn Spanners (Curved)

Fig. 2074 All Wrought

Fig. 2075 Forged Jaw

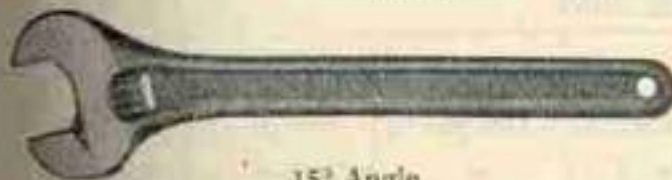


Size	6	8	10	12	14	15	16	18	21	24	27	30	in.
To Span	1	1½	1	1½	1½	1½	1½	1½	2	2½	2½	3	
Fig. 2074. Best Solid Wrought	8/-	9/6	11/6	13/6	15/6	17/-	18/6	25/-	30/-	33/6	48/-	65/-	each
" 2075. Second Quality, Forged Jaws	6/-	7/-	8/6	10/6	11/6	12/6	13/6	19/-	22/6	26/-	42/-	60/-	

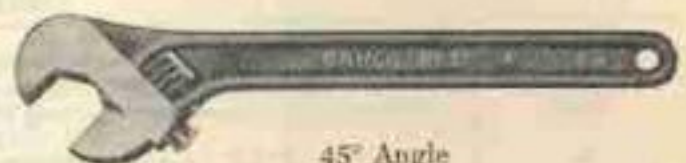
"Bahco" Adjustable Spanners (Foreign)

Fig. 7

Quickly and easily adjustable. Wearing parts interchangeable.



15° Angle



45° Angle

Size	*4	*6	8	10	12	15	18	†24	†30	in.
Span	½	¾	1	1½	1½	1½	2½	2½	3½	
PRICE	2/5	2/7	3/-	3/7	4/10	7/2	10/-	16/9	25/9	each
4 in. size has square jaw opening.						* 15° Angle only.		† 45° Angle only.		

"Bahco" Adjustable Spanners (Foreign)

Fig. 288A

Extra narrow jaws. Specially useful for motor vehicles.



Size	6	*8	12	in.
Span (Adjustable)	½	1½	1½	
" (Non-Adjustable)	½	1	1	

PRICE 3/2 4/1 6/- each

* 8 in. size can be supplied hardened all over and with mottled surface, 4/6 each.

"Universal" Adjustable Ratchet Spanner

Fig. 6

Fits and Ratchets, both right and left hand, all sizes of Hexagon and Square nuts within its range.

PRICE, to open from ¼ in. to 1 ½ in. .. 3/6 each



2, WHITECHAPEL ROAD, LONDON, E. 1.

Millers Falls Hack Saw Frames (Made in U.S.A.)

Fig. 3213



Cast Iron Frame
Japanned.
Holds Blades to face
in four directions.

No.	4A	4B	4C	4D	
Capacity	8	9	10	12	in.
Depth under back ..	2½	2½	2½	2½	"
PRICE	2/3	2/6	2/6	2/11	each

Fig. 3214



No. 6. Adjustable, Nickelled. Capacity, 6 to 12 in.
Holds blades to face in four directions. Depth under
back, 2½ in. PRICE 8/3 each

Fig. 3215



No. 9. Adjustable, Nickelled. Capacity 8 to 12 in.
Holds Blades to face in four directions. Depth under
back, 2½ in. PRICE 8/9 each

Fig. 3216



No. 10. Adjustable, Nickelled. Capacity, 8 to
12 in., marked for each length. Depth under back,
2½ in. PRICE 8/3 each

Fig. 493



No. 12. "Easy Grip," Adjustable, Nickelled.
Capacity, 8 to 12 in. Special Black Compo. Handles.
Depth under back, 3½ in. PRICE .. 13/6 each

Fig. 3217



Adapted for large
work, such as cut-
ting off rails, beams,
&c.
Nickelled

Fig. 3218



No. 15. Nickelled. Capacity 12 in. Depth under
back, 5½ in. PRICE 12/6 each

No.	Capacity in.	Depth in.	PRICE each
14	12	10½	18/-
14½	12	7½	16/8
*24	12	10½	11/9

* Enamelled Black

Fig. 4719



No. 1027. Adjustable, Nickelled, Capacity 8 to
12 in. Steel Frame. PRICE 7/- each

Fig. 497



No. 1723. Adjustable, All-Metal Handles, re-
inforced backs, Nickelled. Capacity, 8 to 12 in.
PRICE 5/- each

No. 1237. Similar to above, but with black
Composition Handle 5/- each

Fig. 1247



No. 1275. Adjustable, Nickelled. Capacity, 8 to
12 in. Handle, black enamelled hardwood. Depth
under back, 2½ in. PRICE 2/9 each

Fig. 499



No. 1100. All-Metal Frame of exceptional strength.
Back one piece Solid Steel. Sherardized to prevent rust.
Capacity 8 to 12 in. Depth 3½ in. PRICE 10/6 each

"Eclipse" Hack Saw Frames



Fig. 1240

No. 20T. A Frame of tubular design, with a simplified device for swivelling the Blade. Substantial, rigid, reliable and perfectly balanced. Adjustable 8 to 12 in. Chromium plated.

PRICE, with one 8 in. Blade .. 7/6 each

Fig. 582



No. 40P.G. Comfortable Pistol Grip. Graduations indicate the adjustments of the bow. Nickel plated. Adjustable 8 to 12 in.

PRICE, with one 8 in. Blade ... 5/- each



Fig. 583

No. 30M. Magazine Frame. A frame with a suitable blade for every job. Five spare blades are carried in the nickel-plated bow which forms a magazine, the sixth being fitted in the frame (as illustrated).

PRICE, complete with Six Flex Blades 5/- each



Fig. 584

No. 60B. Oval telescopic pattern. Easy adjustment with graduated scale. Hardwood Handle. Adjustable 8 to 12 in.

PRICE, with one 8 in. Blade .. 2/6 each



Fig. 585

A strong, rigid Frame made in four sizes.

Size	8	9	10	12 in.
PRICE	2/-	2/2	2/4	2/6 each

"Eclipse" 4 S Tool

Fig. 586



16 Tools in One Holder

This Tool is invaluable in Electrical, Plumbing, Tool-room, Garage and General maintenance work.

It consists of a well-designed nickel-plated Holder in which can be clamped any of the series of Slotting, Sawing, Scraping or Slitting Blades supplied.

Packed in neat partitioned container, size 6x1 1/2 x 1 in.

Contents

- 1 Plated Holder with Set Screw.
- 6 Double-edged Slotting Blades (2 each 23, 21 and 18 Gauge. One of the 18 Gauge Blades specially ground for Mica cutting).
- 5 Single-edged Sawing Blades, 23 Gauge.
- 2 Engineers' Scrapers (1 each half-round and flat).
- 1 Belting and Lead Slitting Knife.
- 1 Second Cut File.
- 1 Screwdriver Blade.

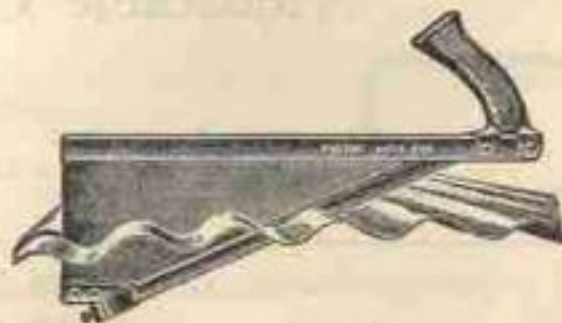
PRICE, complete, 5/-

Replacements

Slotting and Sawing Blades	1/9 per doz.
Scrapers, Slitting Knives	6/- "
Mica Slotting Blades	6/- "
Files and Screwdriver Blades	6/- "

"Shetack" Saw Frames

Fig. 1246



PRICE, complete with one blade .. 5/9 each
Extra Blades, 52/6 per gross

Adjustable Hack Saw Frames

Fig. 1245



Adjustable from 8 to 12 in.

PRICE, complete with one 9 in. blade 4/6 each

Fig. 4718



Nickel Plated

Takes Blades 8 in. to 12 in., 1/8 each

"Milford Flexible Midget" Frames (Made in U.S.A.)

Fig. 3224

No. 3



Very useful for Plumbers, Electricians and Wireless work. Frames made from 1/4 in. diameter round steel, Nickel plated.

No. 3. Depth at Handle, 1 1/2 in.

Complete with one 6 in. Blade, 12/6 per doz.

No. 5



Weight 4 oz.

No. 5. Depth at Back, 1 1/2 in.

Complete with one 6 in. Blade, 17/6 per doz.

Starrett's Hack Saw Frames (Made in U.S.A.)

Fig. 3225 (No. 140), takes 8 in. saws, with one saw
 " 3226 (" 145), takes 8 in. to 12 in. saws, with one saw

6/3 each

9/9 "

Millers Falls Coping Saw Frames (Made in U.S.A.)

Fig. 4714 (M.F. No. 40)



Takes 6 in. Blades with loop ends.

PRICE
2/6 each

Fig. 1248 (M.F. No. 43)



Takes both 6 and 6 1/2 in. Blades. Pin pattern.

PRICE
2/6 each

Adjustable Coping Saw Frame (Made in U.S.A.)

Fig. 4716 (M.F. No. 42)



Heavy Steel Wire Frame. Nickelled. Takes 6 in. Blades with Pinned Ends. Frame can be set to swing free without reference to the direction saw is taking, or locked rigid.

6/8 each

Millers Falls Coping Saws (Made in U.S.A.)

Fig. 4721 (Nos. 50, 60 and 65).

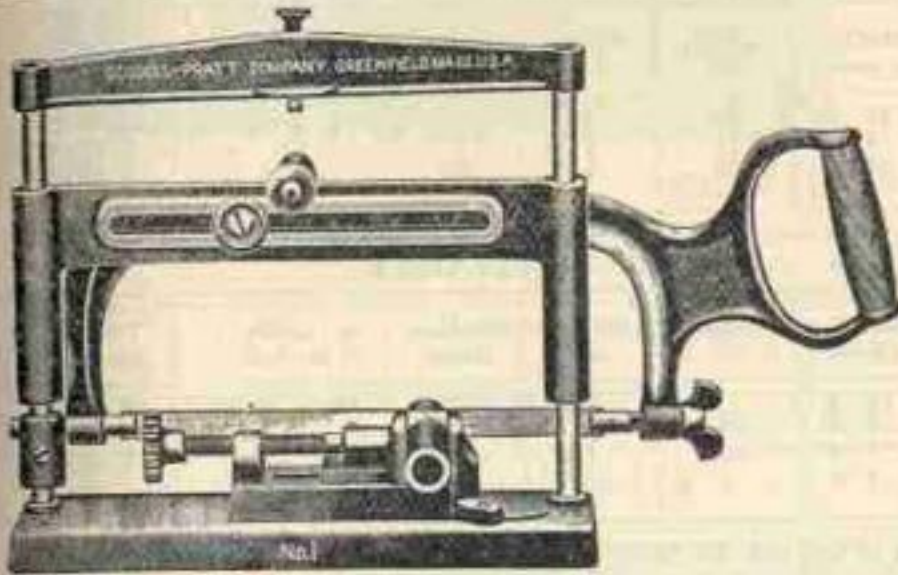
Loop End, 6 in., 5/ per gross. Pin Pattern, 6 in., 10/6 per gross ; 7/11 per doz. ; 6 1/2 in., 10/6 per gross ; 7/11 per doz.

Lancashire Metal Bow Saw Frames

Fig. 3234

Size 3 4 5 6 7 8 9 10 11 12 14 16 18 in.

Price 4/6 6/ 7/6 9/ 10/6 12/ 13/6 15/ 16/6 18/ 21/ 24/ 27/- ea.



Goodell Bench Hack Saw (Made in U.S.A.)

Fig. 3235 (No. 1)

This machine will be found very useful in any shop where power is not available. By its use, an unskilled operator can cut metal rods or tubing rapidly and smoothly without breaking blades. The Vice attached to the bed can be set to saw at any desired angle.

Takes either 8 in. or 9 in. Blades.
Height 10½ in. Base 10½ x 3½ in.

Stroke 6½ in.

Vice has 2½ in. jaws, opening to 2 in.
Extreme capacity 2 in. x 2 in.
Complete with 9 in. Blade, 41/8

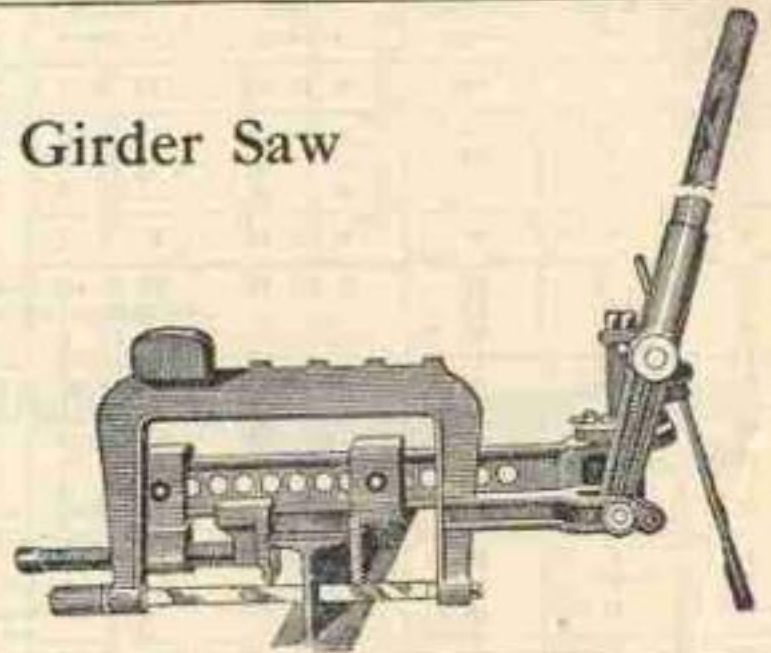
Lever Rail and Girder Saw

Fig. 4720

This Machine takes 14 in. Power Blades and makes a clean cut 9 in. at one setting. It has been designed to meet the requirements of Railway and Tramway Companies, Constructional Engineers, Colliery and Iron Works, Pipe Founders, etc.

PRICE, complete

£6 5 0 each



Napier Band Saw (Made in U.S.A.)

Highly efficient. No lost motion on back stroke as in reciprocating machines.

Capacity, 10 x 10 in.

Full particulars and prices on application

Ratchet Braces



Fig. 2035

Flat Springs, 1/- each.
For Drills, see Fig. 2254/5

10 to 20 in. suitable for Drills with No. 2 M.T. Square Shank.
22 in. and upwards suitable for Drills with Square Shank 1 to 1 1/4 in. by 2 in.

Length	in.	10	12	14	16	18	20	22	24	30	36	*36
Length of Head, Fig. 2035		6	7 1/2	8 1/2	9 1/2	9 1/2	10 1/2	11 1/2	12 1/2	14	14	14
" " Fig. 2036		4	4 1/2	5 1/2	5 1/2	6 1/2	6 1/2	7	7 1/2	8	8 1/2	8 1/2
PRICE, Fig. 2035 and 2036	each	19/-	19/-	22/3	25/6	28/6	31/9	35/-	38/3	57/-	68/6	85/-

* Extra Heavy

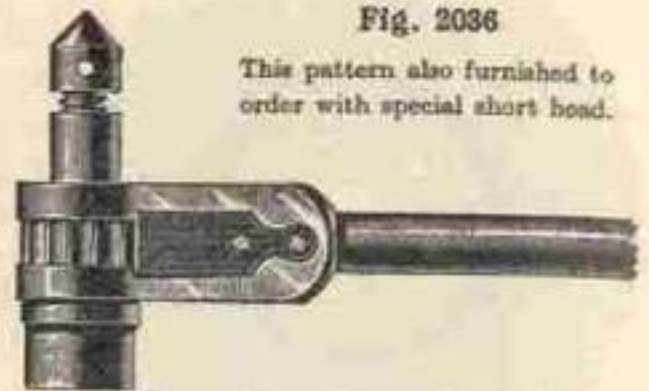


Fig. 2036

This pattern also furnished to order with special short head.

Improved Ratchet Brace

Fig. 2037

Marine Pattern

This Brace is made with solid double pawls, and is very strong.

Size	in.	10	12	14	16	18
PRICE	each	27/6	30/-	35/-	40/-	45/-

Larger sizes supplied to order.



Force Brace

Fig. 2047



Size	in.	4	5	6
PRICE	each	15/9	16/9	18/-

Improved Differential Ratchet Braces

For Round or Square Taper Shank Drills

An interchangeable brace suitable for either of the two kinds of drills in general use. The sockets for twist drills are made to sizes named, and smaller drills can be used by means of a sleeve. The drills are ejected by screwing down the feed nut.

Fig. 2042

Size	in.	12	14	16	18	20	22	24
With round hole Socket		31/6	34/6	38/-	42/-	47/-	51/-	55/-
" square "		32/-	35/-	39/-	43/-	48/-	52/-	56/-
" both Sockets		35/6	38/6	43/-	47/-	53/-	57/-	61/-

Round hole sockets for 12 and 14 in. braces suit Morse Taper No. 2, and for 16 in. up, Morse Taper No. 3. 12 and 14 in. braces take drills with square shank 1/2 in. x 3/4 in. x 1 1/4 in. long. 16 in. and up take 3/4 in. x 1 in. x 1 1/4 in. long.



For Taper Square Shank Drills only

Size in.	Length of Head in.	PRICE each
10	6	28/-
12	6	28/-
14	6	28/-
16	7	27/-
18	7	30/-
20	7 1/2	32/-
22	7 1/2	37/-
24	7 1/2	44/-

Improved Differential Ratchet Braces

Fig. 2043

Interchangeable component parts can be supplied separately.

10, 12 and 14 in. braces take drills with square shanks 1/2 x 3/4 x 1 1/4 in. long. 16 in. and above braces take drills with square shanks 3/4 x 1 x 1 1/4 in. long.



Wrought Steel Ratchet Brace

Fig. 1731. For Boiler Plate work.

Powerful and compact for drilling in narrow spaces.

Total length, 13 in. $\times$ 4 $\frac{1}{2}$ in. across head, screw $\frac{1}{2}$ in. dia., 1 $\frac{1}{2}$ in. feed. Drill hole $\frac{3}{4}$ in. square.

PRICE 31/- each



We can supply Extra Short or Stumpy Drills to suit.

Patent Ratchet Brace

Fig. 2038

This Brace is specially designed to take Morse Taper Shank Drills; it will at the same time take square shanks, the sockets being squared sufficiently after being bored to size for standard Twist Drill sockets.

The rack is screwed to socket, avoiding a key or pin. There are 20 to 30 teeth in the rack (about double the usual number).

The drill is released by screwing the nut home thus pressing the drill out by the spindle.



12 in. for Twist Drills	$\frac{1}{4}$ to $\frac{1}{2}$ dia.	45/- each
15 " " "	$\frac{3}{8}$ " $\frac{7}{8}$ "	60/- "
18 " " "	$\frac{1}{2}$ " 1 $\frac{1}{2}$ "	70/- "
24 " " "	1 $\frac{1}{8}$ " 2 "	100/- "

Morse Taper Sockets for above, see p. 62

Short Head Ratchet Brace

Designed for Motor Cars and Confined Spaces

Fig. 2045

Length 10 in.

Shortest length of Head 2 $\frac{1}{2}$ in.

This Brace is furnished with two centres.



PRICE 20/- each

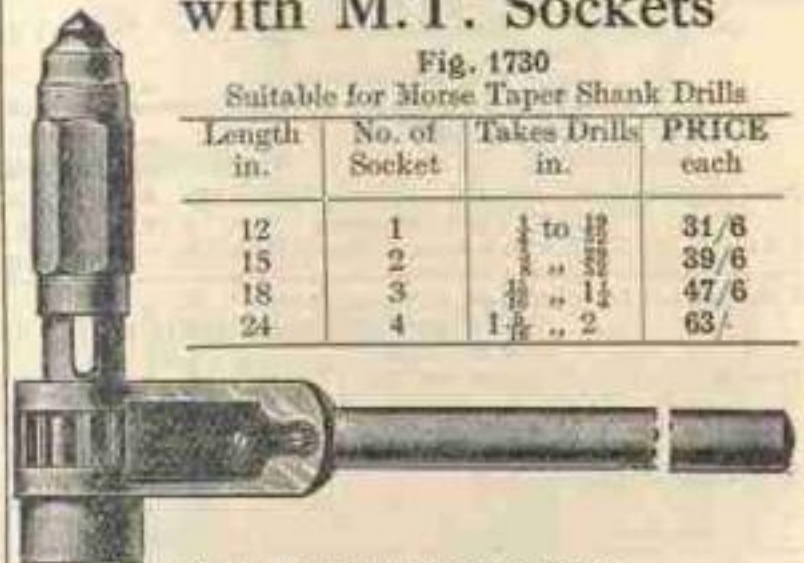
Drills for above, see p. 50

Improved Ratchet Brace with M.T. Sockets

Fig. 1730

Suitable for Morse Taper Shank Drills

Length in.	No. of Socket	Takes Drills in.	PRICE each
12	1	$\frac{1}{4}$ to $\frac{1}{2}$	31/8
15	2	$\frac{3}{8}$ " $\frac{7}{8}$ "	39/6
18	3	$\frac{1}{2}$ " 1 $\frac{1}{2}$ "	47/6
24	4	1 $\frac{1}{8}$ " 2 "	63/-



Adapter for Square Shank Drills
Size No. 1, 4/8; 2, 5/-; 3, 6/- each

Nettlefold's "Dwarf" Ratchet Brace

Fig. 844

Suitable for Bit Stock Drills
up to $\frac{1}{2}$ in.



Size 7 in.

Minimum length of Head 2 $\frac{1}{2}$ in. Depth of Feed $\frac{1}{4}$ in.

PRICE 10/6 each

Pratt & Whitney Co.'s "Renshaw" Ratchet Drills. Fig. 2048 (Made in U.S.A.)



Made in two sizes—No. 1 taking drills with No. 1 Morse Taper Shank, No. 3 taking drills with either No. 1, 2 or 3 M.T. Shank. All parts are made from steel and hardened. No. 1 has one collet for drills with shank, $\frac{1}{2} \times \frac{3}{8} \times 1\frac{1}{2}$ in., and one collet for drills fitting No. 1 Morse standard taper socket. No. 3 has one collet—No. 5—for taper square shank drills with No. 1 shank, $\frac{1}{2} \times \frac{1}{2} \times 1\frac{1}{2}$ in., also collets Nos. 1, 2 and 3 for Morse standard taper shanks. Nos. 3 and 5 collets are held in spindle by screw thread. Nos. 1 and 2 collets are tapered externally to fit No. 3 collet.

Collets for Taper Square Shank Drills with No. 2 Shank, $\frac{1}{2} \times \frac{1}{2} \times 1\frac{1}{2}$ in. can be furnished to fit No. 3 Ratchet. PRICE, 7/4 each

Nos.	1	3
Length of Handle overall	9 in.	18 in.
Depth from top Feed Screw to bottom of Collet	2 1/2	5
Full depth of Feed	1 1/2	2 1/2

PRICES

No. 1 Ratchet Drill, complete, with two Collets	£2 5 10
" " " " with one Collet only	1 19 2
Spare No. 1 Collets, with Square or Taper Hole	0 6 8 each

No. 3 Ratchet Drill, complete with four Collets	3 2 6
" " " " with No. 3 or No. 5 Collets only	2 6 0
" " " " Nos. 1, 2 and 3	2 15 3
Spare No. 1 or No. 2 Collets, for No. 3 Ratchet	0 4 7 each
" " 3 " " " 3 "	0 7 4 "

Parts, No. 1 Size.		
No. 1 Ratchet Body	.. .. .	0 9 2 each
" " " " Nut	.. .. .	0 1 8 "
" " " " 1 Feed Screw	.. .. .	0 8 4 "

No. 1 Feed Pin	.. .. .	1/3 each
" " " " 1 Ratchet Handle	.. .. .	12/6 "
" " " " 1 Pawl and Spring	.. .. .	1/8 "

Parts, No. 3 Size		
No. 3 Ratchet Body	.. .. .	12/6 each
" " " " Nut	.. .. .	2/1 "
" " " " 3 Feed Screw	.. .. .	12/6 "
" " " " 3 Extension Feed Screw	.. .. .	14/7 "
" " " " 3 Feed Pin	.. .. .	3/2 "
" " " " 3 Ratchet Handle	.. .. .	19/10 "
" " " " 3 Pawl and Spring	.. .. .	2/1 "
" " " " 3 Friction Feed Attachment	.. .. .	12/6 "

The Armstrong Universal Ratchet Drill. Fig. 4181 (Made in U.S.A.)

Two inches of motion at end of handle, in any direction, will drive the Drill.

PRICES

Simple, Strong—no ball joints or bevel gears.
Drills 10 per cent. faster than an ordinary Ratchet.



No.	Length in.	Feed in.	PRICE, complete, with 1 Spindle only	Extra Spindles
64	14	1 1/2	£3 15 0	18/
65	16	1 3/4	4 13 9	18/9
66	18	2	5 12 6	22/6

Spindles Furnished

Style	Fitting Ratchet No.	Taking Drills
X	64	With No. 2 Square Taper Shank
K	64	" " 2 Morse "
X	65	" " 2 Square "
L	65	" " 2 " "
O	65	" " 3 Morse "
F	66	" " 2 Square "
N	66	" " 3 Morse "
S	66	" " 4 " "

NOTE.—When ordering be careful to specify style Spindle required. Unless otherwise specified Nos. 64 & 65 Ratchet, equipped with X Spindle, and No. 66 equipped with F Spindle, will be supplied. By means of Sleeves and Sockets, styles K, N, and S Spindles can be made to take smaller sizes of Morse Taper Shank Drills and drills with square taper shanks.



"Universal" Drilling Pillars

Fig. 4484

Specially designed to overcome the necessity of making the many special pillars for varied work. With the exception of the chain for pipe use, no additional parts are required to render it adaptable for any shape work.

No. 1. Upright, $1\frac{1}{2}$ in. diameter $\times$ 24 in. long. Length of arm 14 in. 57/6 each

No. 2. Upright, $1\frac{1}{8}$ in. diameter $\times$ 19 $\frac{1}{2}$ in. long. Length of arm 10 in. 46/9 each



Crank Braces

Fig. 2017

Fig. 2018



PRICES

Fig. 2017. Without Screw	14/- ea.
" 2018. With Screw for Pressure	17/6 "
" 2017A. Light Pattern	11/- "

Drilling Pillars

Fig. 2040

Admiralty Pattern

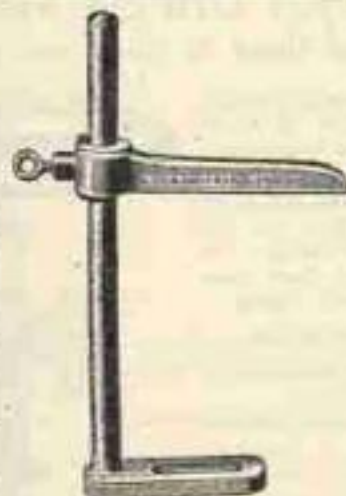
Specially adapted for use on board ships, and as used by the Admiralty.

No. 1 Pillar, $1\frac{1}{2}$ in. diam., $\times$ 21 in. high.

PRICE .. 35/- each

No. 2 Pillar, 2 in. diam. $\times$ 32 in. high.

PRICE .. 70/- each



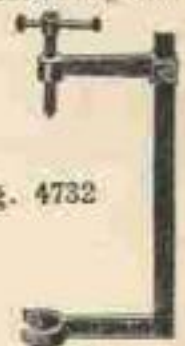
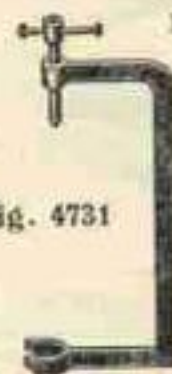
Drilling Cramps

Plain

With Sliding Arm

Fig. 4731

Fig. 4732



Size	20	24	26	28 in.
Plain	21/-	—	43/-	— each
With Sliding Arm	—	25/6	—	37/6 "

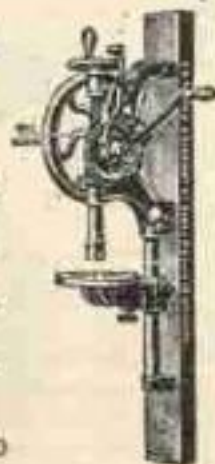
Champion Self-Feeding Post Drilling Machines (Made in U.S.A.)

Fig. 429 Fitted with Ball Bearings.



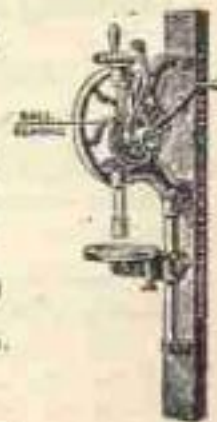
No. 95
Two-Speed
Capacity
0- $\frac{1}{4}$ in.
Spindle
 $1\frac{1}{2}$ in. diam.
3 in. traverse
Spindle to
Pillar, 7 $\frac{1}{2}$ in.
Spindle to
Table (max.)
10 in.
Height 46 in.
Weight,
115 lb.

Price £4 5 0



No. 98
Back-Geared
Capacity
0-1 in.
Spindle
1 in. diam.
3 in. traverse
Spindle to
Pillar, 7 in.
Spindle to
Table (max.)
10 in.
Height, 40 in.
Weight,
100 lb.

Price £3 5 0



No. 101
Capacity
0- $\frac{1}{4}$ in.
Spindle
 $\frac{1}{2}$ in. diam.
3 in. traverse
Spindle to
Pillar, 6 in.
Spindle to
Table (max.)
8 $\frac{1}{2}$ in.
Height, 35 in.
Weight,
80 lb.

Price £3 17 6



No. 106
Single-Geared
Capacity
0- $\frac{1}{4}$ in.
Spindle
 $\frac{1}{2}$ in. diam.
3 in. traverse
Spindle to
Pillar, 6 in.
Spindle to
Table (max.)
8 $\frac{1}{2}$ in.
Height, 31 in.
Weight,
50 lb.

Price, £1 17 6

No. 103. Back Geared. Single Speed. Capacity, 0- $\frac{1}{4}$ in. Spindle $\frac{1}{2}$ in. diam. 3 in. traverse. Spindle to Pillar, 5 $\frac{1}{2}$ in. Spindle to Table (max.), 8 $\frac{1}{2}$ in. Height, 31 in. Weight 60 lb. PRICE £2 1 6.

Spindles have "Never-Slip" Device and are bored to take $\frac{1}{2}$ in. shank Drills. Fig. 2259. Machines Nos. 95, 98, 101 and 103 can be furnished to order fitted with Fast and Loose Pulleys.

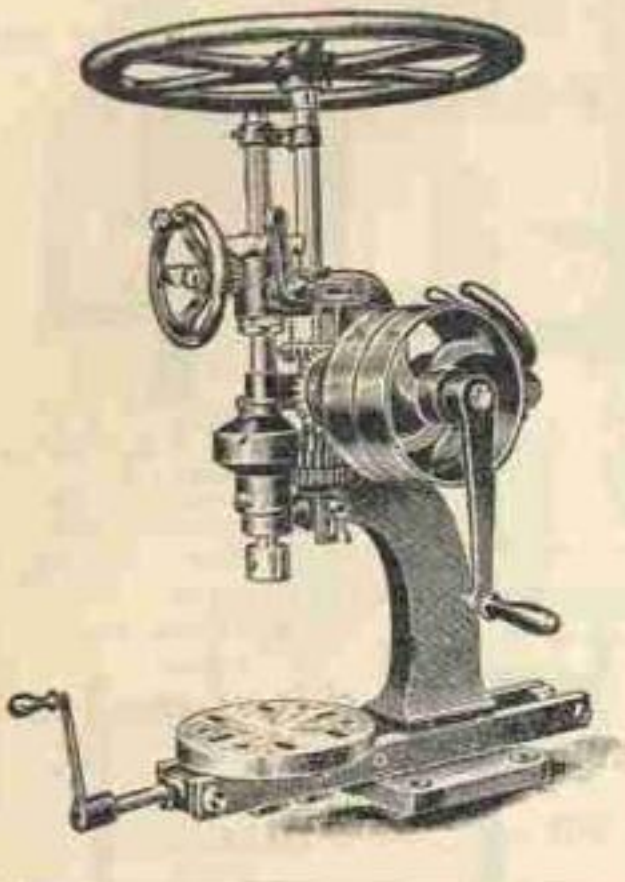
All Models except Nos. 103 and 106 have Automatic Self-Feed.
All parts are made to jigs and are interchangeable.

Nos. 95 and 98 can be supplied in British make. Prices on application.

2, WHITECHAPEL ROAD, LONDON, E. 1.

Bench Drilling Machines Fig. 487

For Hand or Power



These machines have very strong and rigid frames. Suitable for either hand or power. The gears are practically unbreakable. Guard for front spur gears supplied free. Fitted with automatic and hand feed. Spindle is bored to take $\frac{1}{4}$ in. parallel shank drills or made to customer's requirements.

No.	Drills holes up to in.	Drills centres of in.	Height Spindle to Table in.	Depth of feed in.	Total Height in.	Weight lb.	PRICE	
							Hand	Hand & Power
A	1 $\frac{1}{4}$	18	8 $\frac{1}{2}$	6	43	240	£10 0 0	£11 10 0
B	1 $\frac{1}{2}$	19	9	6	51	336	13 10 0	15 0 0

Bench Drilling Machine

For Hand & Hand and Power Fig. 488

This Machine is specially suitable where a Morse Taper Spindle is required. Two Speeds. Automatic Feed Quick raising Gear. Table and Vice to rise and fall and revolve on Pillar. Cast Iron Gear Guard for front Gears.

Weight : 350 lb.



SPECIFICATION

Drills holes up to in.	Diam. of Drill Spindle in.	Spindle to Table in.	Diam. of Flywheel in.	Drill to Frame in.	Diam. of Table in.	PRICE	
						Hand	Hand & Power
1 $\frac{1}{4}$	1 $\frac{1}{4}$	9	30	13 $\frac{1}{2}$	12 $\frac{1}{2}$	£16 0 0	£17 10 0

Vertical Drilling Machines

Fig. 625

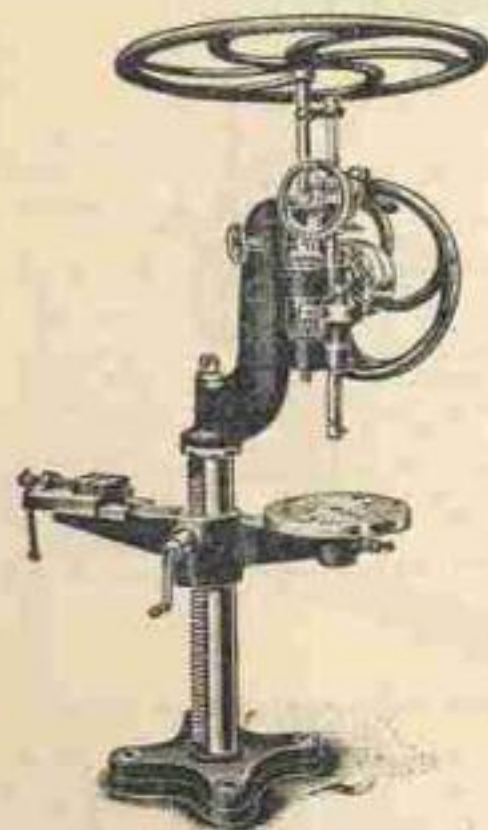
For Hand or Power

Two Speeds
Machine-cut Spur Wheels. Quick raising Gear. Self-acting Feed.

These Machines are of heavy construction. No. A Machine has a handle for driving in place of flywheel.

Ball thrust bearings are fitted to Spindle and Backshaft.

The Vice may be locked in any position and is fitted with hardened steel jaws. Spindles are bored Morse Taper. Cast Iron Guard for front Spur Gears is provided.

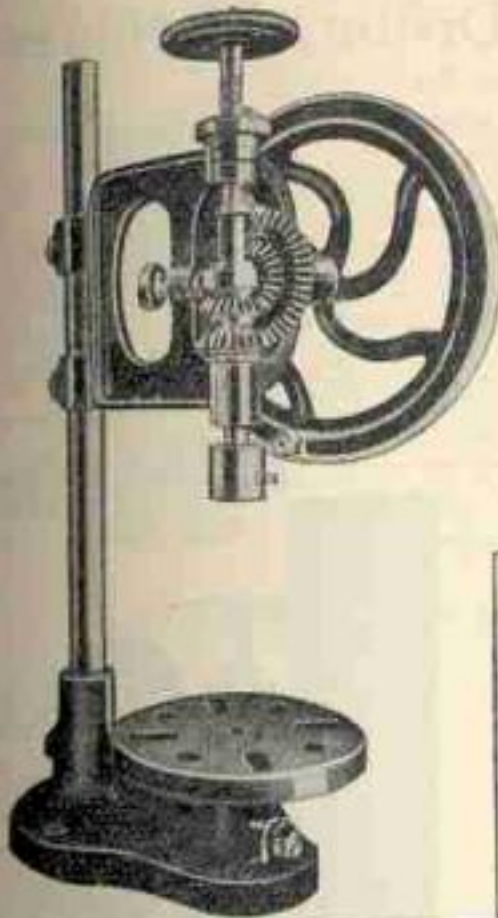


B Type

No.	Drills holes up to in.	Drills centres of in.	Vertical Feed in.	Height Spindle to Table in.	F. & L. Pulleys in.	Spindle bored Morse Taper	Total Height in.	Weight lb.	PRICE	
									Hand	Hand & Power
A	1 $\frac{1}{4}$	26	5	27	8 x 2	No. 3	78	500	£20 0 0	£21 15 0
B	1 $\frac{1}{2}$	26	5	27	11 x 2 $\frac{1}{2}$	No. 4	78	620	24 0 0	25 15 0

Bench Drilling Machine

Fig. 28



All Gears are Machine Cut from solid blanks.

Two speeds are obtained by turning the small handle in the rear of the frame.

Lower Spindle bearing is split to enable adjustment to be made for wear.

Table has a turned and polished top and is adjustable for height. Flywheel is also turned and polished.

Spindle is bored to take $\frac{1}{2}$ in. parallel shank drills.

Drills Holes up to in.	Drills centre of in.	Spindle to Table in.	Depth of Feed in.	Diam. of Table in.	Approx. Weight lb.	PRICE each
1	12 $\frac{1}{2}$	12 $\frac{1}{2}$	2 $\frac{1}{2}$	9 $\frac{1}{2}$	70	£5 0 0

Supplied with 3-jaw chuck, 0- $\frac{1}{2}$ in.

"Duplex" Two-Speed Bench Drill

Fig. 31

Hand and variable automatic feed motion is fitted as shown.

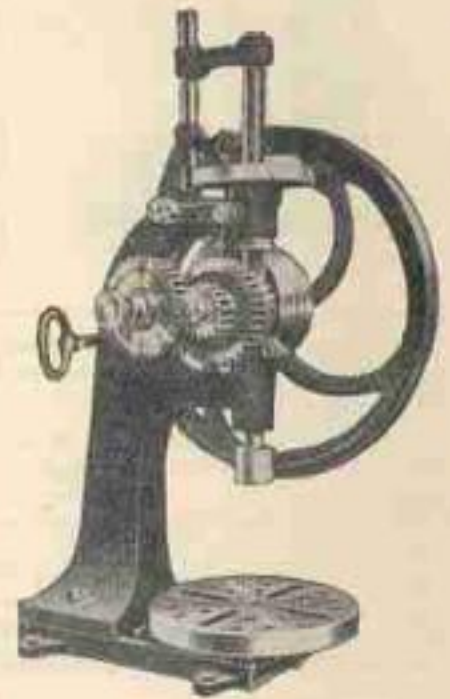
Baseplate is slotted to enable the machine to slide forward and overhang the bench for drilling large articles on the floor.

Spindle is fitted with hardened Ball Thrust Bearing and bored to take $\frac{1}{2}$ in. parallel shank drills.

Gears are protected with cast iron gear guard which covers both bevel and spur gears.

Drills Holes up to in.	Drills Centre of in.	Vertical Feed in.	Diam. of Spindle in.	Spindle to Base in.	Weight lb.	PRICE each		Extra for Hand Wheel for Raising Spindle
						Hand Power	With F. & L. Pulleys	
1 $\frac{1}{2}$	16	6	1 $\frac{1}{2}$	10 $\frac{1}{2}$	224	£11 5 0	£12 15 0	10/-

Spindle bored to suit $\frac{1}{2}$ in. parallel shanks if required.



Two-Speed Wall and Bench Drill

Fig. 30

Low gear gives sufficient speed for drilling small holes quickly and high gear enables larger holes to be drilled with ease. Gear changed by a half-turn of a small handle.

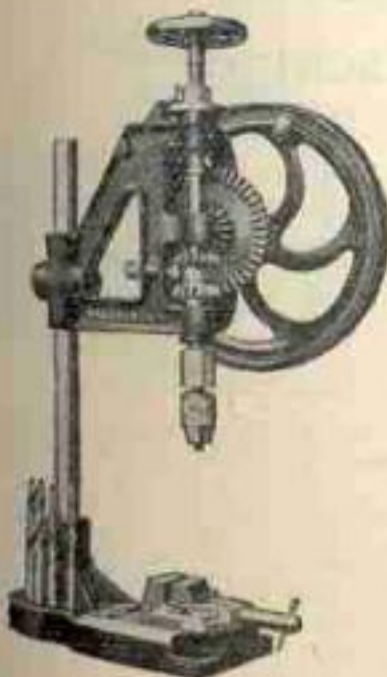
Spindle fitted with hardened Ball Thrust Bearing and bored to take $\frac{1}{2}$ in. parallel shank drills.

Base-plate is of sturdy design, well ribbed and fitted with Drill Stand as shown.

Morse Taper Spindle at small extra cost.

Drills Holes up to in.	Drills Centre of in.	Depth of Feed in.	Spindle to Base in.	Weight lb.	PRICE each	Vice extra, each
1	12	2 $\frac{1}{2}$	13	56	£2 8 0	7/6

3-jaw Self-Centring Chuck included in price.



Wall & Bench Drilling Machines

Fig. 711

These Machines are so constructed that they can be used either on the bench or fixed to the wall.

No.	Drills Holes up to in.	Drills Centre of in.	Vertical Feed in.	Spindle to Table in.	Total Weight lb.	PRICE complete with Chuck	PRICE Vice extra
A	$\frac{1}{2}$	12	$2\frac{1}{2}$	13	50	£2 2 0	7/6
B	1	17	4	21	160	5 10 0	20/-

Drills extra

Post Drilling Machines

Fig. 4909

Automatic feed and ball thrust, all gears machine cut. Complete with good quality varnished Back Board as illustrated.

Both Head and Table Bracket rise and fall on Pillar. Table swivels in Bracket and can be removed if desired.

Can be supplied with Plain Spindle to take $\frac{1}{2}$ in. parallel shank Drills, with Self-centring Chuck as illustrated, or bored Morse Taper.

Size	Drills Holes up to in.	Depth of Feed in.	Admits in Diameter in.	Length of Pillar in.	Approx. Weight lb.
3	$\frac{1}{2}$	$2\frac{1}{2}$	$1\frac{1}{2}$	30	54
4	1	4	$1\frac{3}{4}$	42	136

Fast and Loose Pulleys can be supplied at extra cost.

Size 3.	With Chuck, plain spindle or No. 1 Morse Taper Spindle for drills up to $\frac{1}{2}$ in.	£2 10 0
Size 4.	With plain or No. 2 Morse Taper Spindle for drills up to 1 in.	5 2 0
	With Chuck capacity $\frac{1}{2}$ in. extra	0 15 0



Fig. 4909

Heavy Drilling Machines

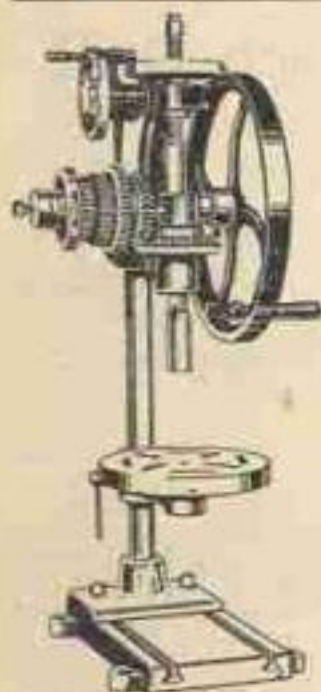
Fig. 845

These Heavy Type Hand Drilling Machines have three changes of speed and Automatic Feed to Spindle. The Automatic Feed can be released and the Spindle adjusted by Hand Wheel shown. All Driving Gears are Machine cut, the Change Speed Gears being covered by a neat cast-iron Guard. Ball Thrust Washers are fitted to Spindle which has a No. 4 Morse Taper. The Arm which carries Rising and Falling Swivel Table can be swung away when Base Plate is required for large work. When power driven, this Machine drills 2 in. diameter holes in Mild Steel.

Size	Drills holes up to in.	Depth of Feed in.	Admits in Diameter in.	Height of Pillar in.	Approx. Weight cwt.
5	2	6	20	44	$3\frac{1}{2}$

Adapters for Spindle to suit No. 3 Morse Taper or $\frac{1}{2}$ in. parallel shank drills, Fast and Loose Pulleys, also stand for foot machine, can be supplied at extra cost.

Machine, with No. 4 Morse Taper Spindle, for Hand only £18 2 9

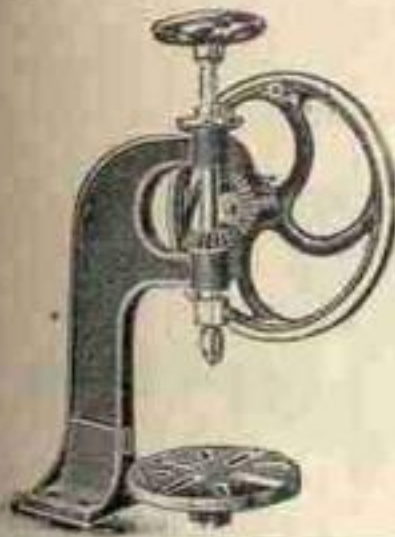


Bench Drilling Machines

Fig. 724

Hand or Automatic Feed

For Drilling holes $\frac{1}{8}$, $\frac{1}{4}$ and 1 in. diameter.



No.	Drills Holes up to in.	Drills Centre of in.	Depth of Feed in.	Diam. of Flywheel in.	Total Height in.	Weight lb.	PRICE	
							Hand Feed	Automatic and Hand Feed
A	$\frac{1}{8}$	9	$2\frac{1}{2}$	13	22	42	£2 10 0	£2 15 0
B	$\frac{1}{4}$	12	4	18	30	104	4 10 0	4 15 0
C	1	16	$4\frac{1}{2}$	20	33	112	6 5 0	6 15 0

"Universal" Portable Radial Drilling Machine

Fig. 420

When applied to a round bar or pipe the loose jaw is inverted and pushed upward to tighten chain, as shown in illustration. Any suitable piece of chain can be used.

With Extension Arm and Boss fitted to machine as shown on left, it is possible to point the spindle in an unlimited number of positions. Drilling capacity, up to $1\frac{1}{2}$ in. diameter.

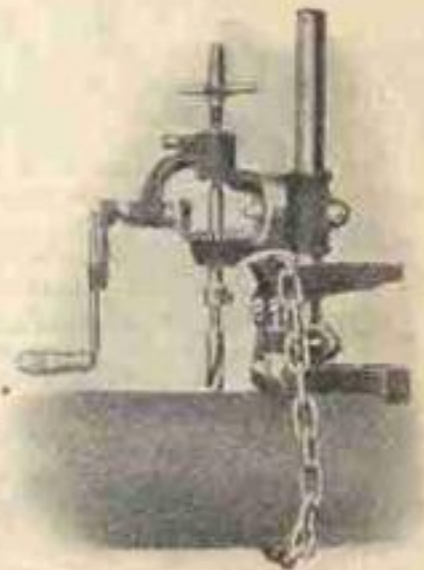


Height of Pillar in.	Diameter of Pillar in.	Distance Pillar to Spindle in.
24	$1\frac{1}{2}$	$5\frac{1}{2}$

PRICE £6 15 0 each
Extension Arm and Boss, extra 1 15 0

A smaller type of machine can be supplied. Height of Pillar $19\frac{1}{2}$ in., diam. $1\frac{1}{2}$ in., distance Pillar to Spindle 4 in.

PRICE £5 7 6 each
Extension Arm and Boss, extra 1 7 6



Combined Drill and Tool Grinder

Fig. 32

All Gears are machine cut and run in completely enclosed dustproof case.

When used as Drilling Machine the Grinding Wheel acts as a flywheel.

Spindle is bored to take $\frac{1}{8}$ in. parallel shank drills. The Self-Centring Chuck has a capacity of 0- $\frac{1}{2}$ in.

The Machine is built to withstand hard service and is specially suitable for Garage work.



Drills Holes up to in.	Drills Centre of in.	Depth of Feed in.	Spindle to Table in.	Weight lb.	PRICE each	Extra for Automatic Feed Motion
$\frac{1}{8}$	$12\frac{1}{2}$	$2\frac{1}{2}$	12	65	£3 3 0	8/-

Price includes 3-jaw S.C. Chuck and Grinding Wheel 7×1 in. with $1\frac{1}{2}$ in. bore.

Millers Falls Bench Drills (Made in U.S.A.)

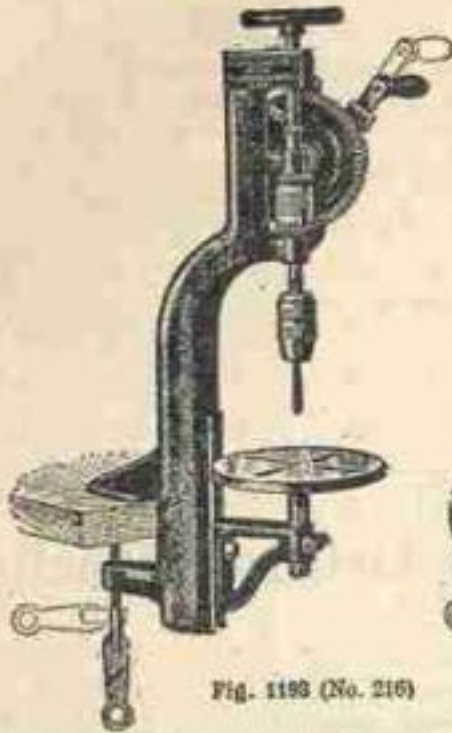


Fig. 1193 (No. 216)

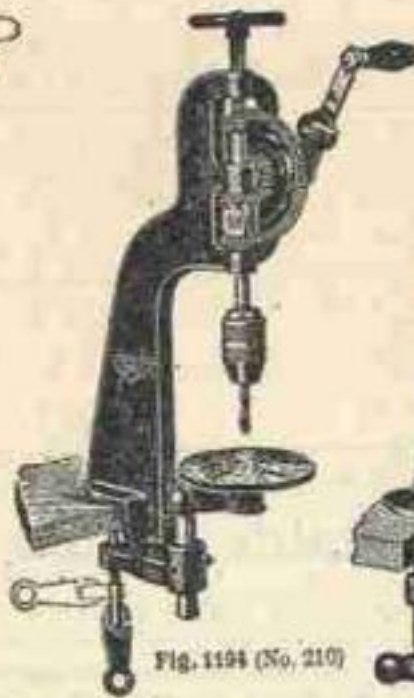


Fig. 1194 (No. 210)

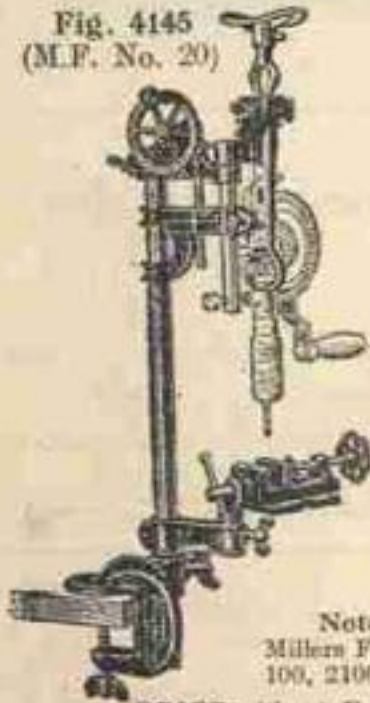


Fig. 1195 (No. 207)

- Fig. 1193 (No. 216).** This Drill has two speeds, even and $3\frac{1}{2}$ to 1, changed by turning knurled sleeve, Cut Gears, Steel Pinions, Ball Thrust Bearings. Crank handle extensible 3 to $6\frac{1}{2}$ in. radius, 3-jaw chuck 0 to $\frac{1}{2}$ in. capacity (round shanks). Table $7\frac{1}{2}$ in. diam. Cast iron frame enamelled black, large gear enamelled red, other machined parts polished. Traverse of automatic feed, $2\frac{1}{2}$ in. Distance from table to chuck, 8 in. Vertical adjustment of table bracket, $5\frac{1}{2}$ in., and $2\frac{1}{2}$ in. adjustment of table in bracket. Height, above bench, 22 in. **PRICE £5 2 9 each**
- .. 1194 (No. 210).** A strongly built and accurate Drill with two speeds, $1\frac{1}{2}$ to 1 and 4 to 1, instantly changed by turning knurled sleeve. Steel pinions, cut gears, crank handle extensible 3 to 6 in. radius. Maximum distance from chuck to table 9 in. Chuck and finish as Fig. 1193 **PRICE £3 5 3 each**
- .. 1195 (No. 207).** This Drill is built on simple lines and is suitable for light work. It is fitted with hand feed-wheel at top of frame. One speed ratio 3 to 1, 3-jaw chuck, capacity 0- $\frac{1}{2}$ in. (round shanks), cut gears and steel pinions. Maximum distance from chuck to table, $4\frac{1}{2}$ in. Frame cast iron, enamelled black, feed wheel and large gear wheel enamelled red. Chuck nickelled. **PRICE .. £1 14 6 each**

Millers Falls Bench Drill Presses (Made in U.S.A.)

Fig. 4145 (M.F. No. 20)



Standard and fixtures that readily convert a breast drill into an efficient bench drill for metal drilling.

A thoroughly practical tool that makes a breast drill serve a double purpose. The drill may be swivelled into many positions and clamped at varying heights either above or below the bench.

The vice is swung on a pin off centre, and so can be used in any position or at any angle, or completely reversed and the table turned uppermost.

The drill is fed by hand wheel at top of tool.

Steel feed gears, Steel post and machined parts polished. Other metal parts japanned.

Note.—This tool can be used with Millers Falls Breast Drills Nos. 10, 12, 97 100, 2100. Height of standard, 24 ins.

PRICE without Breast Drill, 46/2 each.

Fig. 4146 (M.F. No. 21)

Similar to above but with built-in drilling attachment permanently fixed. **PRICE, complete 65/3 each**

Fig. 4147 (M.F. No. 22)

This consists of the standard and fixtures that convert a hand drill into an effective small bench drill for wood or metal.

Hand drill is easily inserted and removed. A sensitive, compound lever feeds drill into the work as desired.

Made of steel and iron japanned.

Note.—This standard will hold the following Millers Falls hand drills, Nos. 1, 2, 5, and 05.

Drills Nos. 980 and 1980 require a special clamp.

Height of standard above bench, 15 $\frac{1}{2}$ in.

PRICE

without Hand Drill 15/11 each

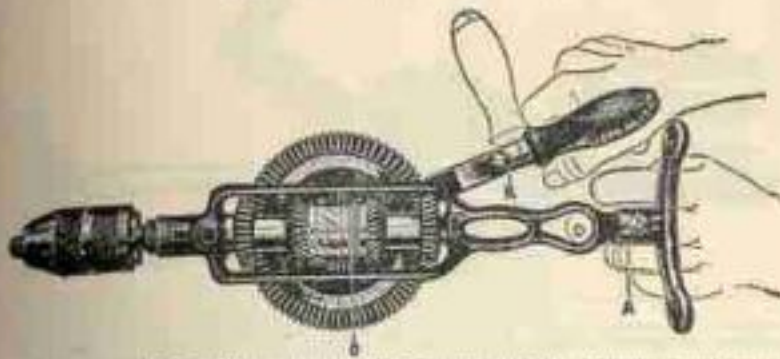
Fig. 4148 (M.F. No. 23)

Similar to above but with built-in drilling attachment permanently fixed. **PRICE 27/6 each**



Millers Falls Breast Drills (Made in U.S.A.)

Fig. 4913 (M.F. No. 97)



The crank handle is adjustable for use as an ordinary crank or as a straight lever for ratchet action in cramped quarters, or putting greater power into the stroke. Easily switched by a half turn of crank handle. Fitted with 3-jaw chuck, 0 to 1/2 in. Hardwood handles stained, malleable iron frame black enamelled, large gear and breast plate red, other metal parts nickelled, 38/4 ea.

This Drill has an easily adjusted ratchet and five different actions:
 Neutral position, which gives the drill the ordinary direct drive without ratchet action.
 Right hand ratchet action in which chuck stops turning on backward stroke of crank.
 Left hand ratchet action.
 Continuous right hand ratchet action in which chuck turns continuously to the right on both forward and backward strokes of crank.
 Continuous left hand ratchet action.
 Speed is instantly changeable without removing drill from work by moving knob on crank handle.
 Gear ratios, even and 2 1/2 to 1. There is a double gear drive resulting in very steady action. All the gears have cut teeth and the small gears are of steel.

Fig. 3610 (M.F. No. 12) as illustrated, also Fig. 3608 (M.F. No. 118) (Made in U.S.A.)

The speed is changed by pressing spring and shifting large gear to alternate position. The gear ratios are even and 3 to 1. Both gears are cut, the pinion being of steel, and there is an idler roll to equalise the bearing.

An important feature of this tool is the double ball thrust bearing. There are two sets of ball bearings which render it a very free running tool and one that will be long to show signs of wear. Besides there is a take-up nut to provide for wear at the bearings.

Has an extensible crank with radius from 4 to 6 in. giving added power to the tool. The breastplate is also adjustable to different positions. The patent level attachment is a serviceable feature. Equipped with master chuck for bit-stock shanks, round shanks from 1/4-1 in. and No. 1 Morse Taper Shanks.

Stained hardwood handles; large gear enamelled red, breast plate and malleable iron main stock enamelled black; chuck and crank nickelled.

PRICE. Fig. 3610 (as illustrated) 20/6 each.

" Fig. 3608; similar to above except being equipped with a 3-jaw chuck for straight shank drills, 0 to 1/2 in. 20/6 each.

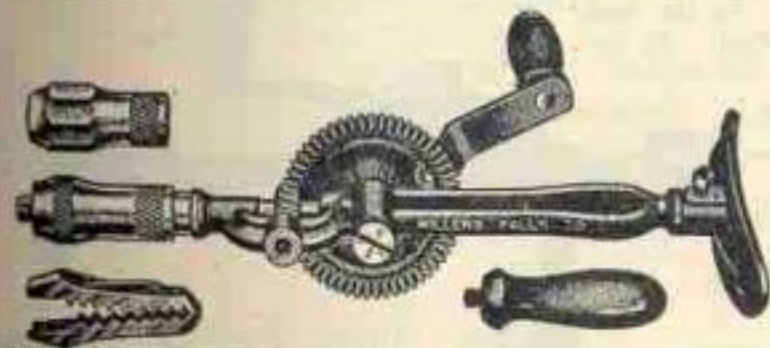


Fig. 846 (M.F. No. 120) (Made in U.S.A.)

A low-priced drill for those whose work does not require the refinements of the higher-priced tools.

Two speeds—even and 3 to 1, 3-jaw chuck with capacity 0-1/2 in. Adjustable breast plate, cut gears, pinion of steel and frame of rolled steel and cast iron.

PRICE 12/9 each

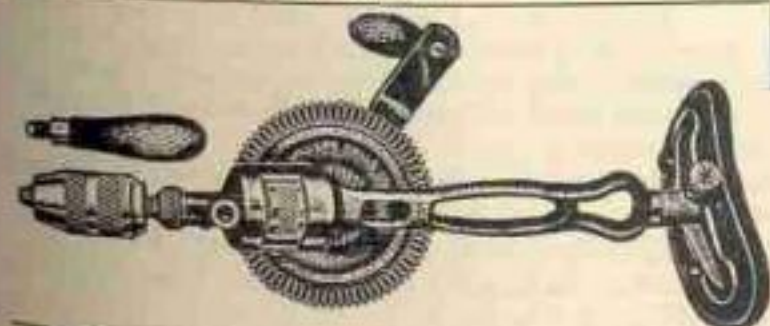


Fig. 6274 (M.F. No. 112) (Made in U.S.A.)

An ideal drill for general purposes, having single speed, chuck for bit-stock shanks, cut gears, small gear steel, adjustable breast plate. Hardened steel washer as thrust bearing. Malleable iron frame, enamelled black, large gear red.

PRICE 10/5 each

Octagon Shell 2/1 extra

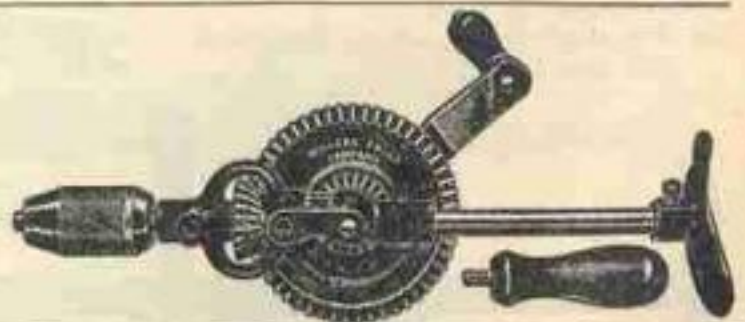


Fig. 6272 (M.F. No. 2100) (Made in U.S.A.)

A high-class tool in every way, having two speeds, even and 3 to 1, changed by slightly rotating knurled ring. 3-jaw chuck, capacity 0-1/2 in. Malleable iron frame, nickel plated fittings.

PRICE 18/3 each

Breast Drills

Fig. 4911 (M.F. No. 19) (Made in U.S.A.)

Speed is changeable without withdrawing drill from work. By a simple spring release large gear can be shifted. Gear ratio even and 3 to 1. Pinion is of steel and both gears cut. Ball thrust bearing is an important feature as it adds much to the life of the tool and makes operation easier. Breast plate is adjustable and crank extensible from 4 to 7 in. giving added power. Barber chuck for bitstock shanks only.

17/6 each

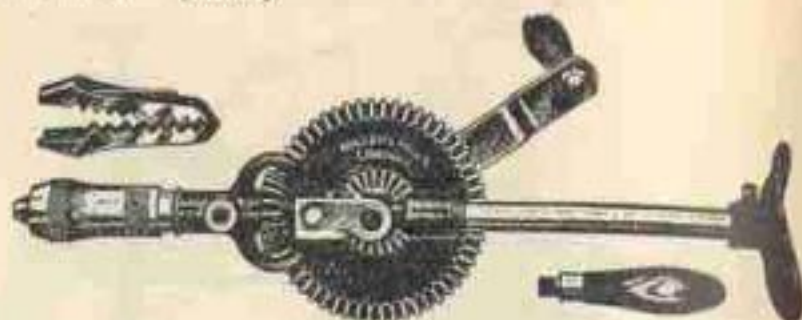


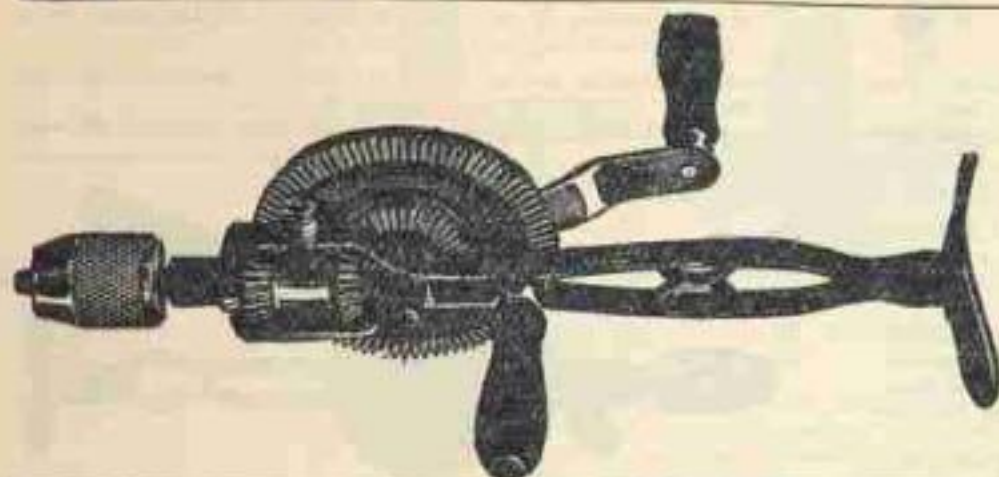
Fig. 4139 (Goodell No. 6) (Made in U.S.A.)

This Drill has special provision made to prevent wear on the spindle. The frame is malleable iron, black enamelled. Handles of polished hardwood. All gears are machine cut and pinions are steel.

Two speeds changed by turning the Shifter Knob marked "Fast" and "Slow."

Fitted with 3-Jaw Chuck for holding drills from 0 to $\frac{1}{4}$ in.

PRICE 23/- each



"Yankee" Breast Drills (Made in U.S.A.)

Fig. 3801 With Right and Left-hand continuous ratchet movement

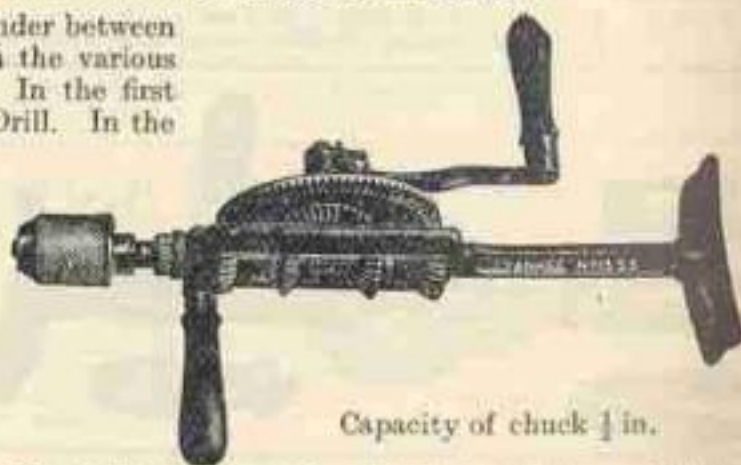
The peculiar feature of this tool is the shifter on cylinder between the small gears. The mere movement of this shifter in the various notches causes the tool to perform different movements. In the first notch nearest the chuck it is an ordinary or plain Breast Drill. In the second notch it becomes a left-hand ratchet.

In the third notch it becomes a right-hand ratchet. In the fourth notch the chuck continues to revolve to the right, no matter which way the handle is turned.

In the fifth or lowest notch, the spindle is locked tight so that the drill chuck can be rapidly opened or closed.

The adjustable ball bearings in spindle take up all the strain or thrust and relieve all other parts of the tool. Any lost motion can be readily taken up by the adjustment provided on same.

No. 550, single speed, with 2-jaw chuck 39/2 each
 „ 555, double „ „ „ 46/8 „



Capacity of chuck $\frac{1}{4}$ in.

No. 1550, single speed, with 3-jaw chuck 39/2 each
 „ 1555, double „ „ „ 46/8 „

Fig. 4359



"Roebuck" Breast Drills

These Machines represent the most improved pattern of Sensitive Hand Drills.

Their variety of work is such that they replace power drilling machines within the same range of boring capacity. They are made with the utmost precision, and allow the use of drills of smallest diameter without fear of breaking.

The casing, breast piece, and crank consist of malleable iron, the gearing of phosphor bronze and steel; the screws and shafts are also of steel, and have ball bearings.

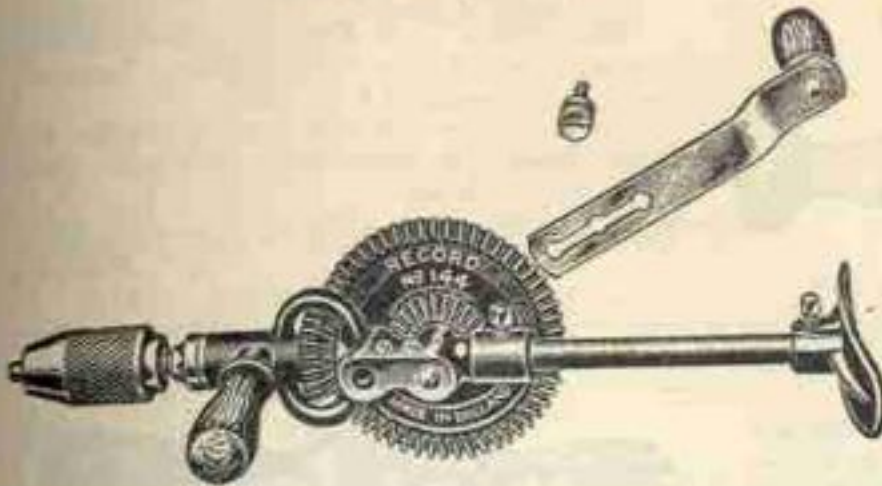
The gearing is protected from dust. Each machine is fitted with a 3-jaw centre-chuck.

No. 1 has two speeds and will drill up to $\frac{3}{16}$ in. diam., fitted with 3-jaw Chuck and No. 1 Morse Taper Socket. Length overall about 19 in. PRICE, 29/6 each

2, WHITECHAPEL ROAD, LONDON, E.1.

"Record" Breast Drills

Fig. 373 (No. 144)



Specification

Chuck. 3-Jaw all-steel chuck with hardened jaws and protected springs. Nickel-plated finish.

Speed. Two. Press plunger for quick change.

Gears. Machine-cut throughout. Steel pinion.

Body. Cast iron body. Steel shank. Ball-thrust bearing. Adjustable breast plate.

Handles. Stained hardwood. The crank handle is extensible from 4 to 6 in. radius.

Capacity 0- $\frac{1}{2}$ in. round shanks.

Length 17 in. Weight 5 $\frac{1}{2}$ lb.

PRICE .. 15/- each

As above but fitted with Master 2-Jaw Chuck

PRICE .. 16/8 each

Specification No. 146 (as illustrated).

Chuck. Master 2-Jaw. Nickel-plated finish.

Speed. Two. Press plunger for quick change.

Gears. Machine-cut throughout. Steel pinion. Idler roll to equalize bearing.

Body. Malleable iron body. Annular ball-bearing spindle. Ball-thrust bearing. Adjustable breast plate. Spirit level attached.

Handles. Solid hardwood. The crank handle is extensible from 4 to 6 in. radius.

Capacity $\frac{1}{2}$ - $\frac{1}{2}$ in. round shanks, bit stock shanks and No. 1 Morse taper shanks.

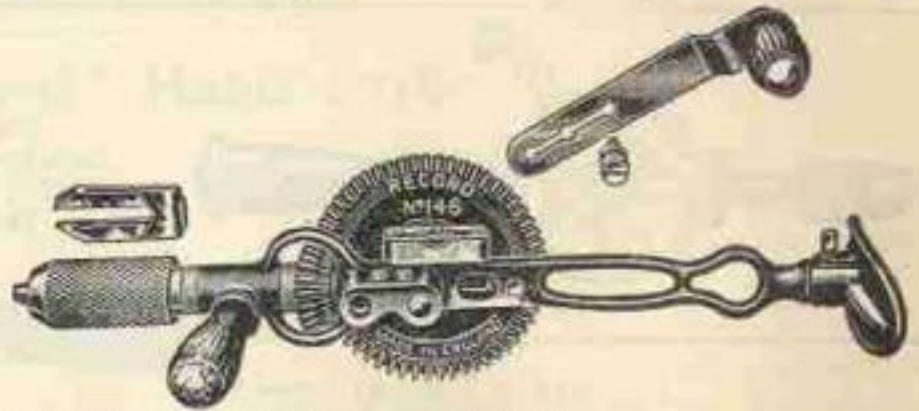
Length 18 in.

Weight 6 lb.

PRICE .. 22/6 each

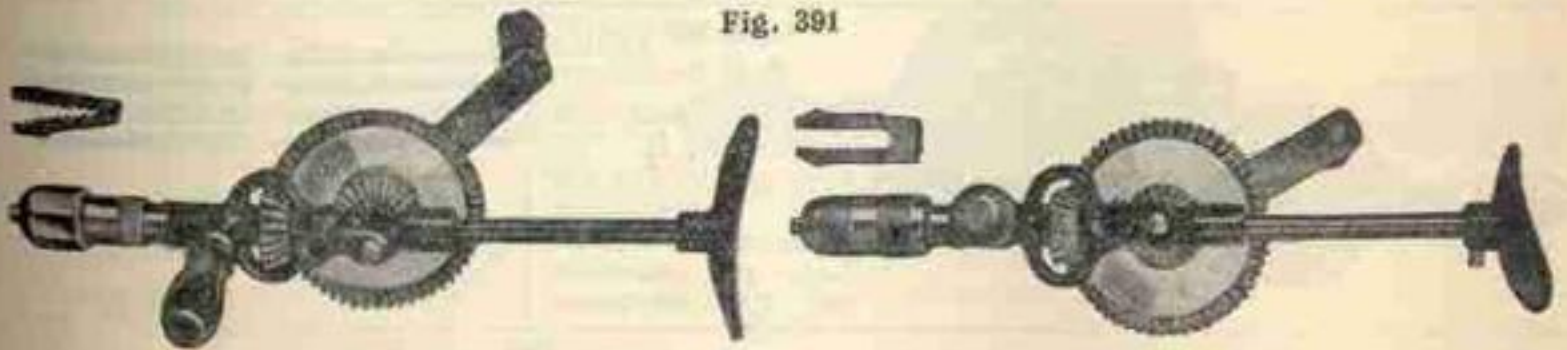
No. 145. As above but fitted with 3-Jaw chuck. Capacity 0 to $\frac{1}{2}$ in. round shanks .. PRICE 21/- each

Fig. 374 (Nos. 145 and 146)



Chapman Breast Drills

Fig. 391



No. 97

No. 98

Made in three types. All black parts have two coats hard stove-enamel finish. Gear wheel, orange enamel and Cadmium plated, other bright parts are chromium plated. The whole is definitely rust proof. Handles are of Teak and Cellulose polished. Two speed gear change. Hardened ball thrust.

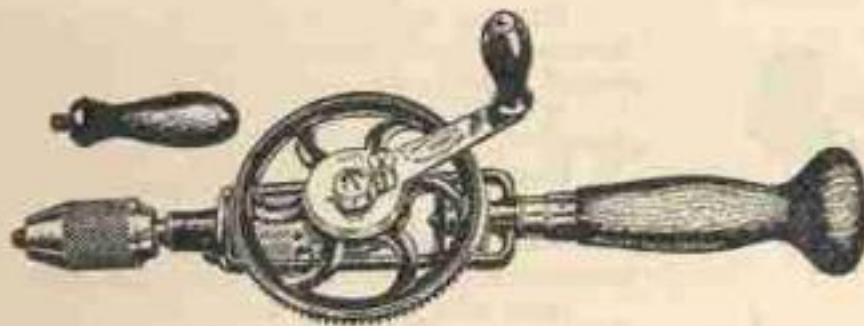
No. 99 has concealed chuck springs.

No. 97	Alligator Jaw Type	..	..	..	..	..	..	..	PRICE	12/-	each
..	98	Master Chuck Type, cap. 0- $\frac{1}{2}$ in.	..	..	..	..	..	..	"	15/-	"
..	99	3-Jaw Chuck Type, cap. 0- $\frac{1}{2}$ in.	..	..	..	..	..	..	"	12/6	"

Millers Falls Hand Drills (Made in U.S.A.)

Fig. 6275 (M.F. No. 1980)

Fig. 6276 (M.F. No. 980)



Two speeds, $1\frac{1}{2}$ to 1 and 4 to 1, changed by rotating knurled sleeve on spindle. Three-jaw chuck with capacity 0- $\frac{3}{8}$ in.

Steel pinions and cut gears, malleable iron frame, enamelled black, large gear red. Other metal parts nickelled.

PRICE. No. 1980 with ratchet operating left or right 26/8 each
.. No. 980 without ratchet 21/8 ..

Fig. 3616 (M.F. No. 1) (Made in U.S.A.)

The main handle of this drill is hollow with screw cap and accommodates drill points up to the capacity of the chuck. Cut gears and three-jaw chuck to hold drills up to $\frac{1}{8}$ in.

PRICE 10/6 each, including eight drill points.

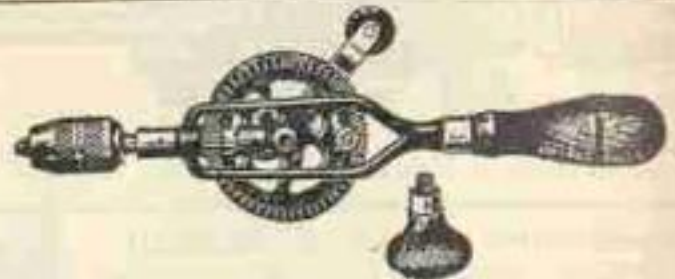


Fig. 3615 (M.F. No. 2) (Made in U.S.A.)

This drill has black enamelled frame and other metal parts nickelled, it is fitted with a three-jaw chuck holding drill points 0- $\frac{3}{8}$ in.

The handle is hollow and contains eight fluted points.

PRICE 18/9 each

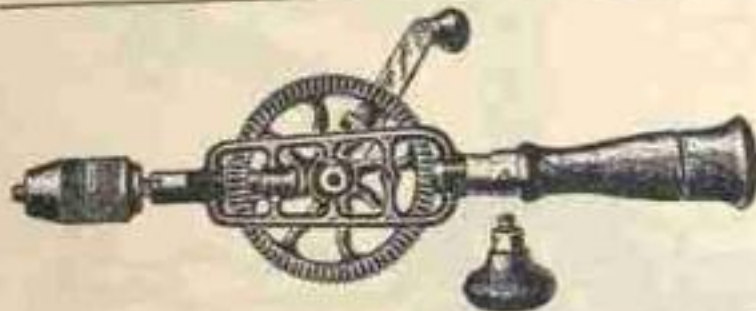


Fig. 3613 (M.F. No. 5) (Made in U.S.A.)

The main handle of this drill is hollow with screw cap and accommodates drill points up to the capacity of the chuck. Cut gears and three-jaw chuck to hold drills up to $\frac{1}{8}$ in.

PRICE including eight drill points 13/9 complete

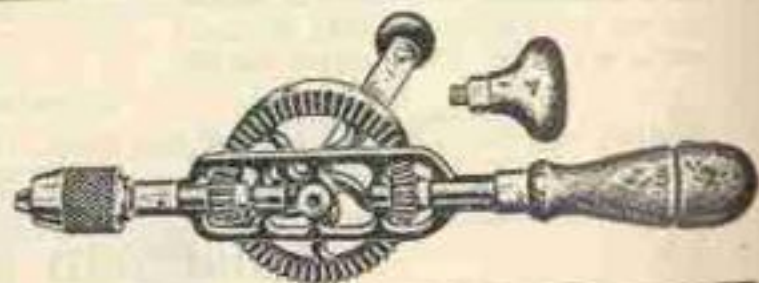


Fig. 847 (Made in U.S.A.)
(M.F. No. 77)

Three-jaw chuck with capacity 0- $\frac{1}{4}$ in. Steel pinion and cut gears. Malleable iron frame enamelled black. Large gear enamelled red. PRICE 5/6 each



Hand Drill Points (Made in U.S.A.)

for use on wood and soft metals only

PRICE .. 1/3 per set



Goodell-Pratt Hand Drill (Made in U.S.A.)

Fig. 3618 (G.-P. No. 4 $\frac{1}{2}$)

This drill has a polished rosewood handle with screw cap for accommodating drills. All teeth are machine cut. It is fitted with a three-jaw chuck for holding drill points 0 to $\frac{3}{8}$ diam.

PRICE 10/6 each, with eight drill points $\frac{1}{16}$ to $\frac{1}{4}$ in.



2, WHITECHAPEL ROAD, LONDON, E. 1.

Goodell-Pratt Hand Drill (Made in U.S.A.)

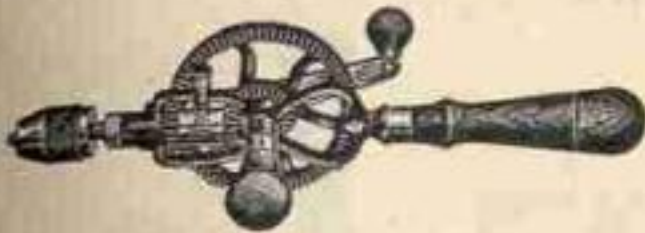


Fig. 4915 No. 5½
" 4916 " 5½B

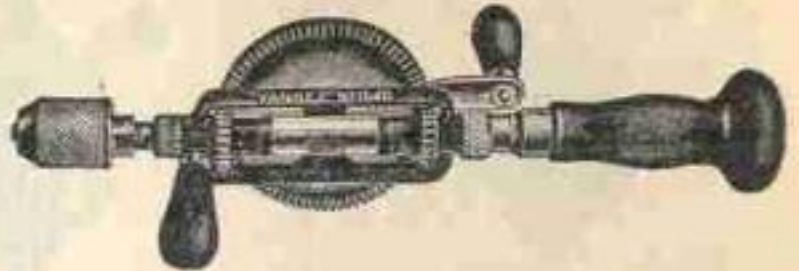
This drill has two speeds and is fitted with 3-jaw chuck for holding drills from 0 to ½ in.

PRICE, No. 5½ (with hollow handle) 18/9 each
" " 5½B (with solid handle) 18/9 "

"Yankee" Hand Drill (Made in U.S.A.)

Fig. 3802 (No. 1540)

With right and left-hand and continuous ratchet motion.



No. 1545	Double speed, has 3-jaw chuck and will hold round shank drills up to ½ in. diam. Handle has magazine for drills. Large gear 4½ in. diam. Small gear 1½ in. diam. ..	PRICE	40/5 each
" 545	Double speed, similar to No. 1545, except that it has a 2-jaw chuck	"	40/5 "
" 1540	Single speed, similar to No. 1545, except that it has only one speed (illustrated) ..	"	33/4 "
" 540	Single speed, similar to No. 545, except that it has only one speed	"	33/4 "

"Record" Hand Drills

Fig. 375

No. 122 Having 3-Jaw chuck with hardened jaws and protected springs. Single speed. Ball-thrust bearing. Machine-cut gears. Solid hardwood handle. Malleable iron frame. Capacity 0 to ½ in. Length 12½ in. PRICE complete, 7/6

" 123 As above, but with hollow hardwood handle and idler pinion. Length 14½ in.

PRICE, 8/9; with 7 drills, 10/9

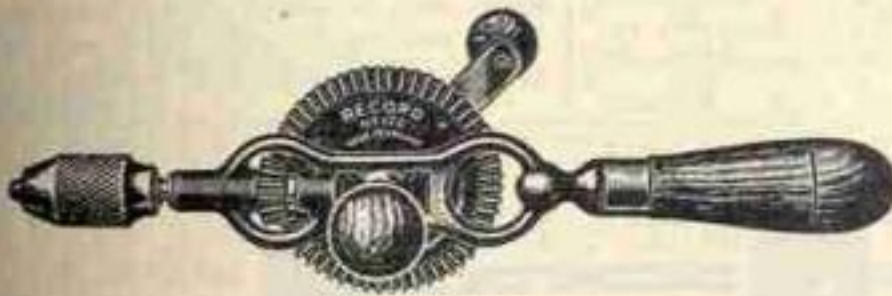


Fig. 376

No. 124 Has 3-Jaw chuck with hardened jaws and protected springs. Single speed. Ball thrust bearings. Machine cut gears. Large gear with wide knurled rim. Hollow hardwood handle. Malleable iron frame with gripping lug. Knobs made of Bakelite. Capacity 0 to ½ in. Length 14½ in.

PRICE 11/6 each

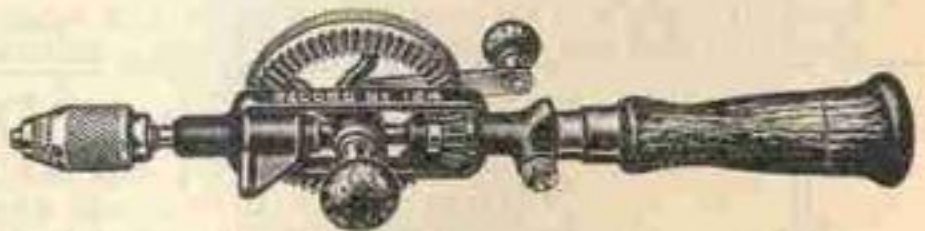
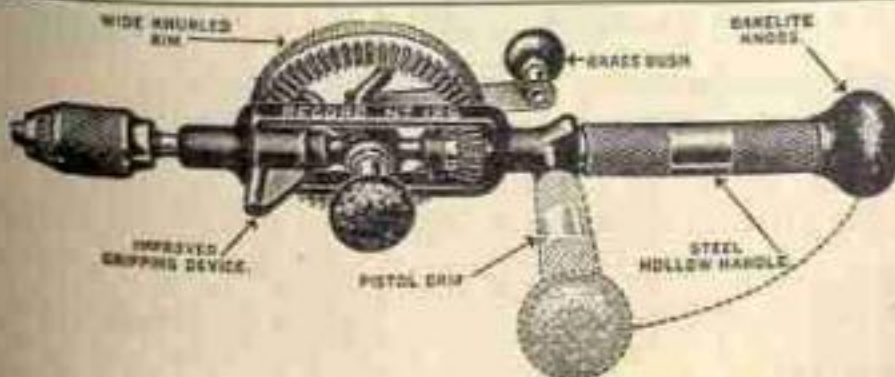


Fig. 377

Similar to Fig. 376 above, but has a nickel-plated hollow steel handle with Bakelite knob. Length 13½ in. Capacity 0 to ½ in.

PRICE, as shown 13/- each
" " with 7 twist drills 15/- "



Chapman Hand Drills

Fig. 378



No. 104

Single pinion, malleable iron frame, capacity 0- $\frac{1}{4}$ in. Chuck has hardened jaws and pad with concealed springs. Steel parts bright finish, all other parts two coats stoved black and red enamel.

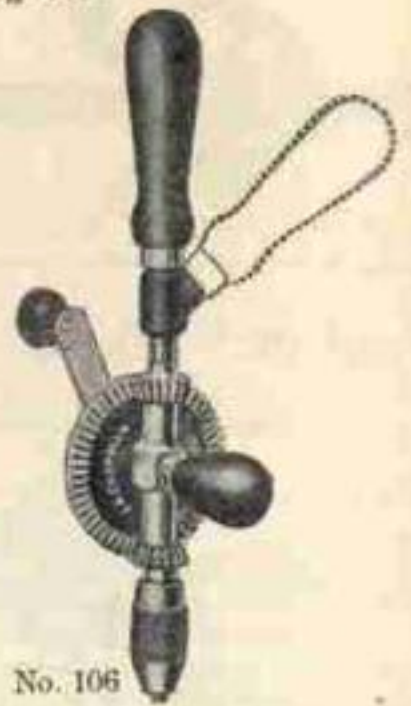
PRICE 5/6 each



No. 105

Double pinion, malleable iron frame, capacity 0- $\frac{1}{4}$ in. Chuck has hardened jaws and pad, with concealed springs. Steel parts nickel-plated, all other parts two coats stoved black and red enamel.

PRICE 7/- each



No. 106

Double pinion, frame turned from the solid, hardened pinions, capacity 0- $\frac{1}{4}$ in. Chuck has hardened jaws and pads, with concealed springs. Bright parts chromium and cadmium plated, all other parts two coats stoved black and red enamel. Two positions of handle.

PRICE 8/- each

Reciprocating Drill

(Made in U.S.A.)

Fig. 4921



(G.-P. No. 0)

The mechanism of this drill causes Chuck to revolve to the right when travelling handle is moved forward or backward. It can be used for drilling either wood or metal. The head is polished hardwood with heavy steel quill running on ball bearings. Travelling handle is polished hardwood and contains flanges and hard bronze nuts which constitute driving mechanism.

Spiral is polished steel 12 $\frac{1}{2}$ in. long accurately cut to 20° slant.

Chuck is all steel with three hardened jaws for holding drills 0 to $\frac{1}{4}$ in. diam.

PRICE 10/6 each

Chain Drills

(Made in U.S.A.)

Fig. 4142 (M.F. Nos. 717, 718, 719)

This is an auxiliary tool for use with a breast drill or bit brace in metal drilling where the power desired to feed the drill is greater than the workman can give. It is particularly adapted for drilling rails, girders, columns, pipes, etc.

In operation the drill is fed into the work by hand or automatically by means of an adjustable friction feed. The speed of the feed is automatically regulated by the resistance the drill encounters.

These drills are fitted with a ball thrust bearing.

No. 717. Has socket hole for drills with $\frac{1}{4}$ in. round shanks which are held fast by a square head set screw.

Length of main spindle, 8 $\frac{1}{2}$ in.

PRICE 14/6 each

No. 718. Master Chuck holds bitstock shanks, round shanks from $\frac{1}{4}$ to $\frac{1}{2}$ in., and No. 1 Morse Taper shanks.

Length with Chuck inserted, 11 $\frac{1}{2}$ in.

PRICE 21/8 each

No. 719. Equipped with a Millers Falls Three-jaw Chuck for holding round shanks up to $\frac{1}{2}$ in. diameter.

Length with Chuck inserted, 11 $\frac{3}{4}$ in.

PRICE 23/- each



No. 717

2, WHITECHAPEL ROAD, LONDON, E.1.

BUCK & HICKMAN, LTD.,



Bolt Croppers (Made in U.S.A.)

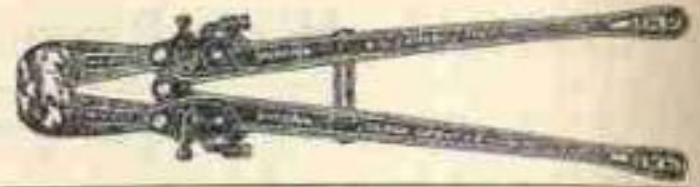
Fig. 990

Adjustment of the jaws is provided for by the simple turn of a screw. All parts are interchangeable.

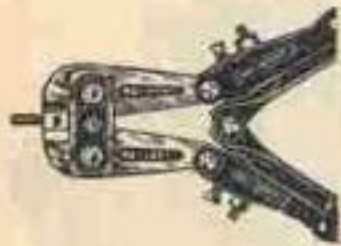
No.	Capacity		Length in.	Approx. Weight lb.	PRICE each	Extra Jaws per pair
	Bolts in.	Rivets in.				
10-OK	$\frac{1}{4}$	$\frac{1}{4}$	10	11	11/6	8/-
14-OK	$\frac{1}{4}$	$\frac{1}{4}$	14	21	12/6	7/-
6-NE	$\frac{1}{4}$	$\frac{1}{4}$	18	31	16/6	8/6
1-NE	$\frac{1}{4}$	$\frac{1}{4}$	24	51	21/-	10/6
2-NE	$\frac{1}{4}$	$\frac{1}{4}$	30	81	29/6	13/6
3-NE	$\frac{1}{4}$	$\frac{1}{4}$	36	121	37/6	18/6
4-AR	$\frac{1}{4}$	$\frac{1}{4}$	42	171	50/-	22/6

End Cutting Bolt Clippers Fig. 990E (Made in U.S.A.)

Size in.	Capacity		Length in.	PRICE each	Extra Jaws per pair
	Bolts in.	Rivets in.			
14	$\frac{1}{4}$	$\frac{1}{4}$	14	15/6	10/-
24	$\frac{1}{4}$	$\frac{1}{4}$	24	25/-	14/6



Nut Splitters Fig. 990S With side cut jaws. Handles similar to Fig. 990. (Made in U.S.A.)



No.	To Split Nut		Approx. length in.	Approx. weight lb.	PRICE each	Extra Jaws per pair
	Standard in.	Adjustable to in.				
14 SS	$\frac{1}{4}$	$\frac{1}{4}$ & $\frac{1}{2}$	14	21	17/9	12/-
0 "	$\frac{1}{4}$	$\frac{1}{4}$ " $\frac{1}{2}$	18	31	22/-	15/-
1 "	$\frac{1}{4}$	$\frac{1}{4}$ " $\frac{1}{2}$	24	5	28/-	16/6
2 "	$\frac{1}{4}$	$\frac{1}{4}$ " $\frac{1}{2}$	30	81	35/6	21/6
3 "	$\frac{1}{4}$	$\frac{1}{4}$ " $\frac{1}{2}$	36	121	44/-	26/-
4 "	$\frac{1}{4}$	$\frac{1}{4}$ " $\frac{1}{2}$	42	171	64/6	34/-

Electric Wire Cutters (Made in U.S.A.)

Fig. 255. (Not insulated). Fig. 255 I.* (With Insulated Handles).

Adjustment for wear is provided for by adjusting sections.



Number		Capacity		Average Opening Jaws in.	Approx. Length in.	Approx. weight		PRICE, each		Extra Jaws, per pair	
Fig. 255	Fig. 255 I	Bolts in.	Rivets in.			Fig. 255 lb.	Fig. 255 I lb.	Fig. 255	Fig. 255 I	Fig. 255	Fig. 255 I
—	0-WC	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	18	—	31	—	27/-	—	8/6
1-X	1 "	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	24	5	51	24/-	34/6	11/6	11/6
2 "	2 "	$\frac{1}{4}$	$\frac{1}{4}$	1 1/2	30	71	81	31/3	48/-	13/9	13/9
3 "	3 "	$\frac{1}{4}$	$\frac{1}{4}$	1 1/2	36	121	131	40/6	58/-	21/-	21/-

Compact Bolt Cutter & Nut Splitter (Made in U.S.A.) Fig. 828



Angular Cutter Type

This tool combines small size, great power, and ease of operation: it can be used in awkward corners and positions. Made in two styles as illustrated. It measures only 7 1/4 in. long, but will cut a 1/2 in. bolt in the thread or a 3/8 in. diam. rod.

Although designed for the automotive trade, it can be used for many other purposes. Construction consists of a pair of cutting jaws actuated by a transverse power screw, turned by a ratchet wrench applied to the 1/2 in. squared section at either end of screw.

PRICE, either end cut or angular cut style £1 7 0 each

Hypowax Shear Cutters can also be supplied. Prices on application.



End Cutter Type

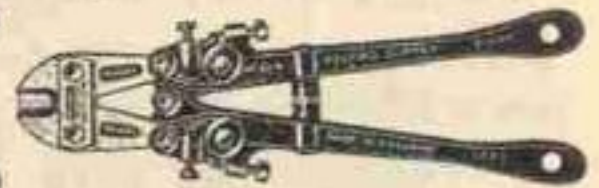
2, WHITECHAPEL ROAD, LONDON, E.1.

"Record" Bolt Cutters & Nut Splitters

Fig. 827



Style Nos. 600-603



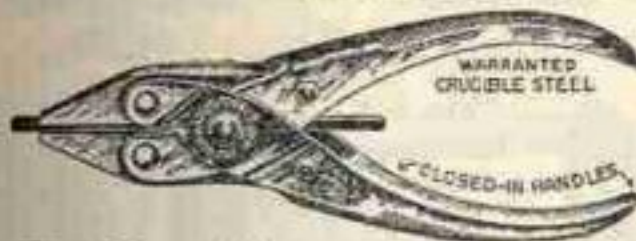
Style Nos. 610 and 614

These British made tools are of standard American design and all parts are identical and interchangeable with the Bolt Cutters, Fig. 827, shown on previous page.

Jaws are of special tool steel and like the top and bottom straps are precision ground all over. Clipper cut jaws are standard and will always be supplied unless otherwise specified. Centre cut jaws and chain cutter jaws can be supplied. Nut splitter jaws are for removing nuts from bolts and when in operation the tool is in line with the bolt.

No. of Bolt Cutter	Length in.	Cuts Bolts in.	Cuts Soft Steel Rod in.	Weight Approx. lb.	PRICE each	Extra Jaws per pair	No. of Nut Splitter	Splits Nuts in.	PRICE each	Extra Jaws per pair
600	18	$\frac{1}{2}$	$\frac{1}{4}$	3 $\frac{1}{2}$	16/6	8/6	600 SNS	$\frac{1}{2}$	22/6	15/6
601	24	$\frac{3}{4}$	$\frac{1}{2}$	5 $\frac{1}{2}$	21/6	10/6	601 SNS	$\frac{3}{4}$	30/6	16/6
602	30	$\frac{7}{8}$	$\frac{3}{4}$	8 $\frac{1}{2}$	29/6	14/6	602 SNS	$\frac{7}{8}$	35/6	21/6
603	36	$\frac{1}{1}$	$\frac{1}{1}$	12 $\frac{1}{2}$	37/6	18/6	603 SNS	$\frac{1}{1}$	44/3	26/6
604	42	$\frac{1}{1}$	$\frac{1}{1}$	19	50/6	23/6	604 SNS	$\frac{1}{1}$	64/6	34/6
610	10	$\frac{1}{2}$	$\frac{1}{4}$	1 $\frac{1}{2}$	11/6	6/6	614 SNS	$\frac{1}{2}$	18/6	12/6
614	14	$\frac{3}{4}$	$\frac{1}{2}$	2 $\frac{1}{2}$	12/6	7/6				

Bernard's Patent Pliers (Made in U.S.A.)



Flat-Nose Pliers Fig. 2145 (No. 100)

Open Throat, Parallel Jaws, Closed-In Handles, Full Nickel-Plated.

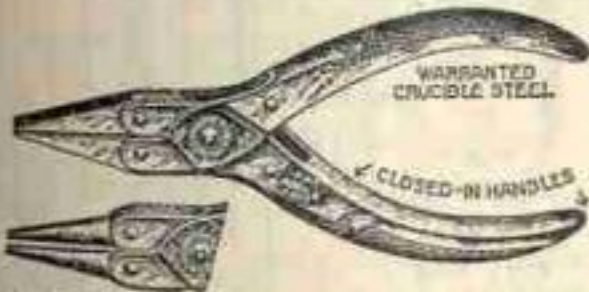
Size	4 $\frac{1}{2}$	5 $\frac{1}{2}$	6 $\frac{1}{2}$	8 in.
PRICE	3/3	4/6	5/6	6/6 each



Round-Nose Pliers

Fig. 2146 (No. 101)

Size 6 $\frac{1}{2}$ in.	PRICE 5/6 each
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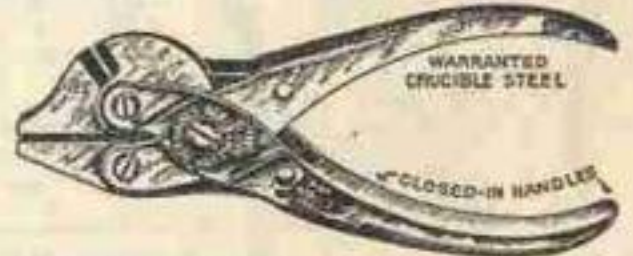


Light Pattern Flat-Nose & Round-Nose Pliers

Fig. 2147 (No. 103) Flat Nose

Fig. 2148 (No. 104) Round Nose

Fig. 2147, Size 5 in.	PRICE 4/6 each
Fig. 2148, " " "	" 4/6 "



Cutting Pliers Fig. 2149 (No. 102)

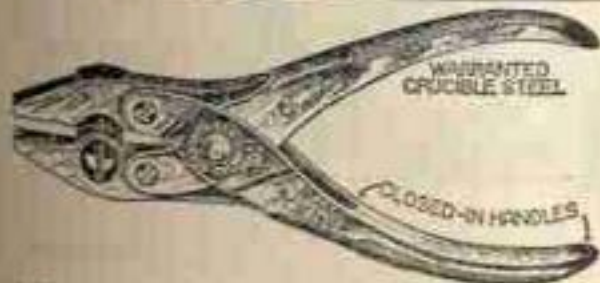
Size	4 $\frac{1}{2}$	5 $\frac{1}{2}$	6 $\frac{1}{2}$	8 in.
PRICE	5/3	5/9	7/6	8/6 each

Light Pattern Cutting Pliers

Same pattern as Fig. 2149

Fig. 2150 (No. 105)

Size 5 in.	PRICE 6/6 each
------------	----------------



Belt Punch and Pliers

Fig. 3899 (No. 115)

For cutting and piercing round leather belting in one operation.

5 in. for $\frac{1}{2}$ in. belt, 6 in. for $\frac{3}{4}$ in. belt.

Size	5	6 in.
PRICE	6/6	7/3 each

Best Quality Genuine "Lancashire" Cutting Pliers

Bell Hangers' Cutting Pliers

Fig. 2117



Size	PRICE
up to in. each	
4 1/2 ..	3/4
5 ..	3/4
5 1/2 ..	3/4
6 ..	3/9
6 1/2 ..	4/9
7 ..	6/-
8 ..	8/-
9 ..	11/-
10 ..	13/-

Fig. 2118

Flat Nose same prices

Diagonal Cutting Pliers

Fig. 115



Size	PRICE
up to in. each	
5 ..	4/-
5 1/2 ..	4/3
6 ..	4/6
6 1/2 ..	6/-
7 ..	8/-
8 ..	9/9

Wide-Hole Telegraph Cutting Pliers

Fig. 2120



Fig. 2121
Taper Nose same prices



Size	PRICE
up to in. each	
5 ..	3/9
5 1/2 ..	3/9
6 ..	4/-
6 1/2 ..	5/-
7 ..	6/6
8 ..	8/6

"Thunderbolt" Insulated Cutting Pliers



Size	PRICE
in. each	
6 ..	3/-
7 ..	3/6
8 ..	4/-

Fig. 2134B With Burner Hole

Size	PRICE
in. each	
6 ..	1/6
7 ..	1/9
8 ..	2/-

Fig. 2134F (Foreign) Ebonite Covered Handles

Electricians' Pliers Solid Steel

Fig. 3868



Size	PRICE
in. each	
5 ..	1/5
6 ..	1/9
7 ..	2/3
8 ..	2/9

Fig. 3869 With Half-round Nose, same prices

Fig. 3870 With Burner Hole as illustrated same prices

Flat Nose Pliers Round Nose Pliers

Fig. 2124



Size	PRICE
up to in. each	
4 1/2 ..	2/-
5 ..	2/-
5 1/2 ..	2/5
6 ..	3/-
6 1/2 ..	4/-
7 ..	4/9
8 ..	6/9
9 ..	9/4
10 ..	12/2

Fig. 2125 Round Nose same prices

Linesman's Pliers

Fig. 116



Heavy Pattern Shaped reins Size 8 1/2 in. PRICE 4/- each

Fig. 116B

Bright with Knurled handles

Size	PRICE
in. each	
6 ..	2/6
7 ..	3/-
8 ..	3/9

Combination Pliers

Fig. 828



Burner hole and cutting Jaws

Turnscrew and Rimer ends to handles

Size	PRICE
in. each	
5 ..	1/5
6 ..	1/9
7 ..	2/3
8 ..	2/9
9 ..	4/3
10 ..	6/-

Snipe Nose or Linking-up Pliers

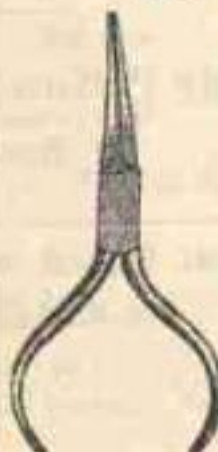
Fig. 1744



Size	PRICE
in. each	
4 1/2 ..	2/-
5 ..	2/-
5 1/2 ..	2/5
6 ..	3/-
6 1/2 ..	4/-
7 ..	4/9
8 ..	6/9

Pendulum Pliers

Fig. 2127



Size	PRICE
up to in. each	
4 1/2 ..	2/-
5 ..	2/-
5 1/2 ..	2/5
6 ..	3/-

Milliners' Pliers

Fig. 1743



Size 4 1/2 in. PRICE 1/8 ea.

Size 5 in. PRICE 2/3 ea.

Furriers' Pliers

Fig. 4986



Width of Nose 1/2, 1, 1 1/2, 1 in. Length 9 in. PRICE 5/- each

Weavers' Pliers, Stockinger Pliers, Warp Pliers, &c. Prices on application.

2, WHITECHAPEL ROAD, LONDON, E. 1.

**Best Lancashire
Cutting Nippers**



Fig. 2131

Size in.	PRICE each
4 ..	3/9
4½ ..	3/9
5 ..	3/9
5½ ..	4/3
6 ..	5/2
6½ ..	6/-
7 ..	7/-
8 ..	9/-

Side
Cutting
Nippers
Fig. 2132
Same Price

**"Manchester"
Cutting Nippers**



Fig. 2133

Size in.	PRICE each
6 ..	6/4
7 ..	6/9
8 ..	7/4
9 ..	8/6
10 ..	9/5
11 ..	10/-
12 ..	11/6
14 ..	15/-
16 ..	19/2
18 ..	23/4

8 in. cuts
No. 8
10 in. cuts
No. 7
12 in. cuts
No. 5
Iron Wire

**Barb Wire
Cutter**



Fig.
2140

Length
8 in.

PRICE
5/-
each

**Wire Nippers
(Patented)**



Fig.
2138

Length
8 in.

PRICE
6/-
each

Very
powerful
Will cut
½ in.
Wire

"E-Z" Wire Stripper



Fig. 9619

A tool of
special interest
to Electricians

This stripper requires no setting and is always ready for use. Its triplicate action of clamping the wire, cutting the insulation and stripping is automatically timed and performed with one squeeze on the handles. When the pressure is released, the handles open, re-setting the stripper for the next snip.

The cutting edges are shielded and the blind centres of the V notches on the blades prevent cutting or scarring of the wire.

No. 1 for wire of Nos. 22, 20, 18, 16, 15, 14, 12 gauge.
No. 2 for wire of Nos. 18, 16, 15, 14, 12, 10 gauge.

Overall length 7½ in.

PRICE 12/- each

Netting Nippers

Fig. 829



Bright Face
Cutting Jaws

Fitted with
Strong Volute
Spring

Size 6 in.

PRICE 1/8 ea.

**Folding
Barb Wire Cutter**

Fig. 1747

The most powerful Barb Wire Cutter made. It is made in one size only, 13 in. long, weight 2 lb. Will cut all sizes up to ½ in.

PRICE 10/- each



Open



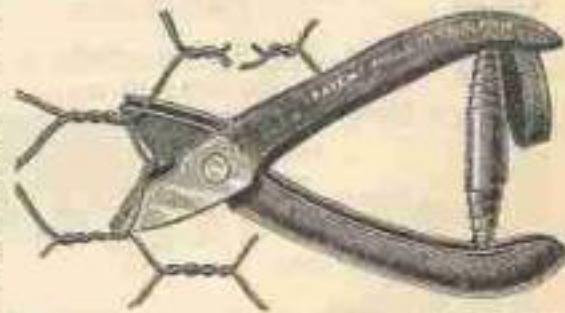
FOLDED FOR POCKET OR WALLET

Closed

Wire Netting Cutter Fig. 2144

Cuts one strand at a time, and being bell-mouthed, it is almost impossible to miss the wire to be cut. Fitted with spring, which keeps it open ready for cutting; when closed, it is secured by a strap. Cuts at right angles to the netting keeping the hands away from sharp wire ends.

5½ in. (pocket size), weight 5 oz. ... 20/- per doz.
7½ in. (heavier), handles like Fig. 2143, weight 13 oz. ... 42/-



Carew's Nippers
(Made in U.S.A.)
With Adjustable Jaws

Fig. 3633



Size in.	PRICE each
8 ..	16/3
10 ..	18/-
12 ..	20/8
14 ..	25/-

Extra Jaws per pair

For 8 in.,	4/9
" 10 "	5/-
" 12 "	5/5
" 14 "	5/8

Cutting Nippers
(Foreign)
For Hard Steel Wire

Fig. 2141



Size in.	PRICE each
5 ..	3/-
6 ..	3/6
7 ..	4/-
8 ..	4/6

Cutting Nippers
(Foreign)
For Hard Steel Wire
(Toggle Jointed)



Fig. 2142

Size in.	PRICE each
6 ..	6/3
7 ..	7/-
8 ..	7/9

Telegraph and Fencing Wire Pliers

Fig. 3973



Solid Wrought Steel

Size in.	PRICE each
8 ..	2/10
10 ..	3/2
12 ..	3/10

Starrett's Adjustable Jaw Cutting Nippers (Made in U.S.A.)

Fig. 3630

(No. 1)

Jaws detachable and adjustable.

5½ in. open to ½ in.
7 in. open to ¾ in.

For Bicycle use, specially formed jaws also furnished.



PRICE each

5½ in. M (for music wire) ..	23/-
5½ " C (for common use) ..	23/-
5½ " B (for bicycle use) ..	23/-
7 " either M, C, or B ..	29/6

Extra Jaws either M, C, or B, which should be designated as above, per pair .. 4/-

Unless otherwise ordered, Nippers with M jaws will be sent.

Starrett's Tile Cutting Nippers (Made in U.S.A.)

Fig. 3631 (No. 235)



Same as Fig. 3630 except frames are cut out to allow jaws to be adjusted for wide opening as shown, thus fitting them to be used in cutting tile. Jaws can be replaced when necessary.

Sizes and Prices

5½ in. ..	17/9 each
7 " ..	22/9 "

Bernard's End Cutting Nippers (Made in U.S.A.)

Fig. 3890 (No. 125)



Size ..	6	7 in.
Cuts Wire ..	½	¾ "
PRICE ..	8/3	9/9 each

Gas Pliers

Fig. 2095



Size	6	7	8	9	10	12	14 in.
PRICE	2/3	2/6	3/3	3/9	4/3	5/6	6/6 each

Combination Gas Pliers

Fig. 2096



Size	6	7	8	9	10 in.
PRICE	1/8	2/-	2/4	4/-	4/9 each



Fig. 2153

Burner Pliers

Fig. 2153. 2 Holes, 5 in.	Black	..	..	3/4 each
	Bright	..	..	4/-
Fig. 2154. 1 hole, 5 in.	Black	..	..	3/7
	Bright	..	..	4/2

Patent Steel Pliers

Combination or Household Pliers



For Amateurs and Cyclists. A Workman's Strong Tool.
A, Wire Cutter; B, Straight and Cross Wire Grip; C, Gas Burner; D, Flat Plier.

Fig. 2129

	PRICE	Doz.	Each
6 in. Half-bright	..	16/6	1/5
6 in. Frosted Nickel-plated	..	23/6	2/-

Strong Plain Steel Pliers



Fig. 2130

PRICE

	Doz.	Each
6 in. Half-bright Flat Nosed Pliers	28/-	2/4
6 in. Round	30/-	2/6

Barbed Wire Fencing Pliers



Fig. 2143

Solid Welded Flat-nose Wire Cutter.
Will cut iron wire up to 10 wire gauge with ease.

					PRICE	
					Doz.	Each
8 in. Strong Half-bright	..	..	..	..	40/3	3/5
9	..	..	..	..	42/3	3/7

Combination Gas Pliers

Fig. 2157



Containing Large and Small Holes, Wire Cutters, Pipe Opener, and Turncrew.

					PRICE	
					Doz.	Each
8 in.	Rough Black Finish				30/-	2/6
8 in.	" " " "				32/-	2/8
8 in.	Bright Jaws, Black Handles				34/6	2/11
9 in.	" " " "				36/6	3/1

Glass Pliers Fig. 2128



Size up to	6	6 1/2	7	8 in.
PRICE	3/5	3/9	4/4	5/- each

Motor Cone Pliers Black



Fig. 1748

Pressed Steel Hollow Handles.

8 in.	15/- doz.	1/3 each
-------	-----------	----------

Combination Slip-Joint Pliers



Fig. 104

Solid Steel
Length 6 1/2 in. PRICE 2/- each.

Billings' Improved Combination Pliers (Made in U.S.A.) can be supplied. Prices on application.

Bright Steel Ticket Nippers

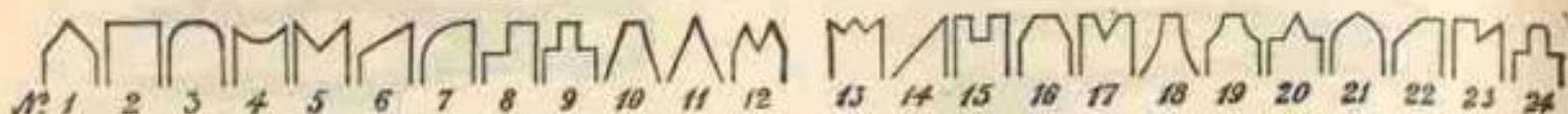
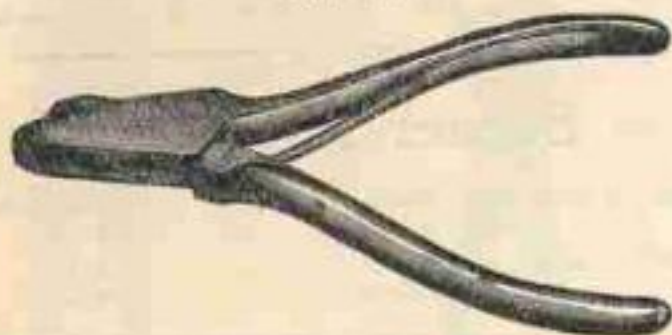


Fig. 2156

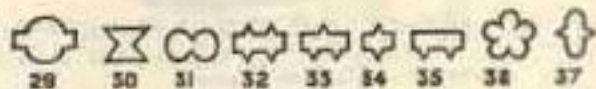
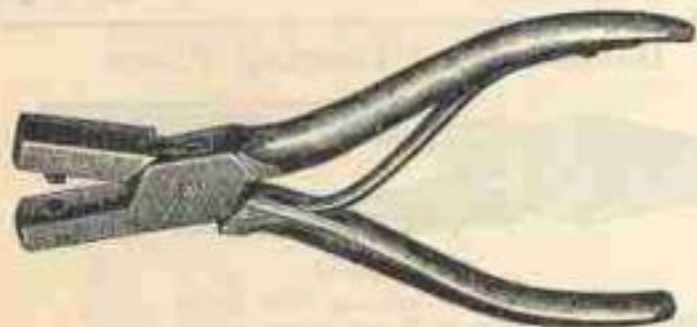


				PRICE per pair
Size 5 in.	To cut out patterns 1 to 24	..	..	3/8
	25 " 36	..	..	5/-
To impress in addition to No. 11 cut :-				
	One figure or letter	..	..	7/8
	Two " "	..	..	7/8
	With cuts, Nos. 2 to 24	..	..	extra 1/4

Bright Ticket Nippers



Fig. 2151



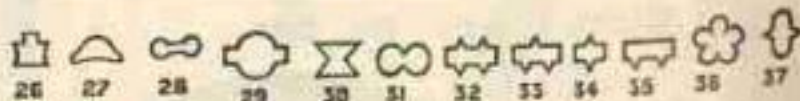
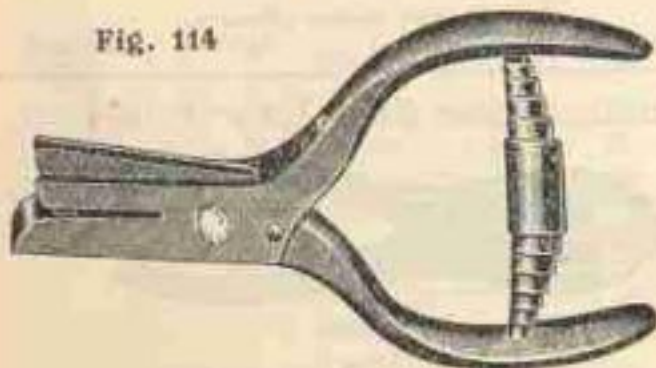
				PRICE per pair
Length 5 1/2 in.	to cut out O: Black	..	..	5/8
	To cut patterns 2 to 19	..	..	6/8
	" " 20 " 37	..	..	8/-
	To impress one letter or figure (no cut)	..	..	6/8
	" two " " "	..	..	7/8
If required to impress letters or figures above or below the piece cut out.				
	One Letter	..	1/4 per pair extra.	
	Two " "	..	2/- " "	
	Three " "	..	2/6 " "	

Nickel-plated 7/10 per pair extra, with one handle forged as a Railway Carriage Key, price on application.

Ticket Nippers



Fig. 114



Nickel-plated. Length 4 1/2 in.
To cut out any of the above patterns.
PRICE .. 11/4 each

Special Telegraph Tools

We beg to call our friends' special attention to these tools, of which we keep the largest stock in the country, being the original makers of most of the patterns in use. Materials and workmanship are of the very best. Special quotations given on receipt of specification.

Valley's Pattern

Draw Vice

With Ratchet

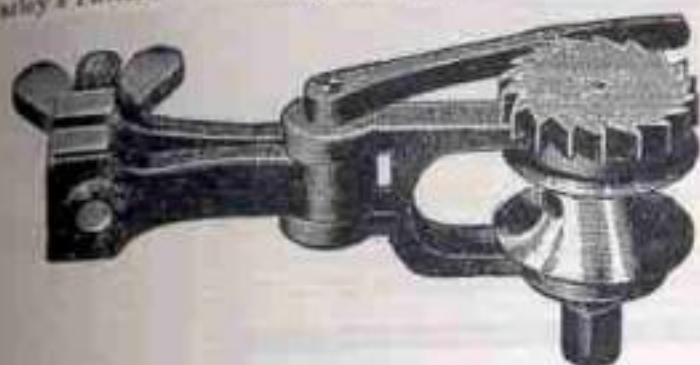


Fig. 2159

Size of Vice, 4 in. Length overall, 8½ in.
PRICE, 26/- each, including key.

Ordinary Pattern Draw Vice With Ratchet

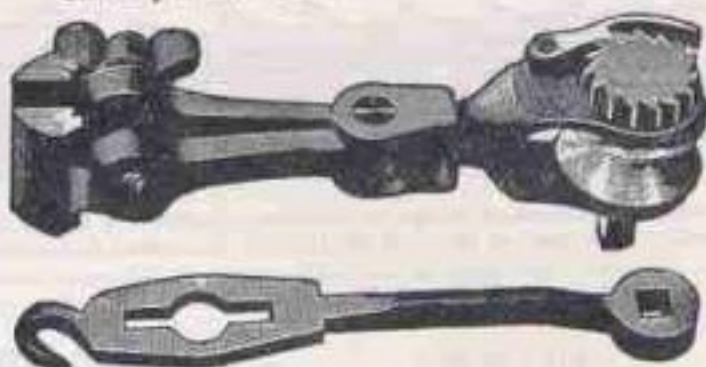


Fig. 2160

Size of Vice	..	4	5	6	7	8	10	12	in
Length overall	..	7½	9	10½	11½	13½	16½	19	..
PRICE, with key	..	19/-	23/3	26/6	45/-	50/-	72/6	100/-	each

Ratchet for Draw Tongs

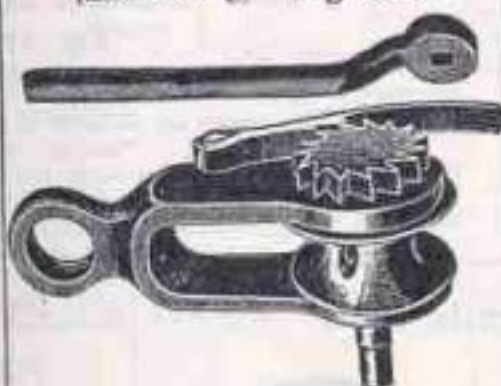


Fig. 2162

PRICE, Light	..	7/3	each
.. Medium	..	9/6	..
.. Large	..	14/-	..
Including key	..		

Ratchet for Draw Tongs (Extra Strong)

Fig. 2163



PRICE, including key, 17/6 ea.

Tension Ratchet

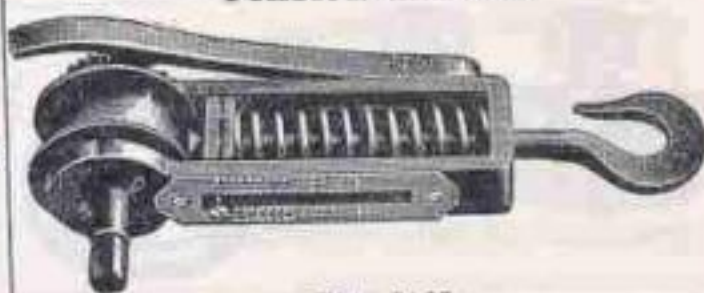


Fig. 2165

To indicate up to .. 170 400 600 1000 1500 2000 3000 lb.

PRICE.. 31/6 53/6 60/- 85/- 120/- 170/- 259/- each
Complete with key

WIRE TAILS for use with Draw Vices, etc.

For 6 in. vice (4 ft.), 6/6; 8 in. vice (6 ft.) 7/-; 10 in. vice (6 ft.) 7/6 each

INSULATED TAILS, made in two sizes, viz.—Large and Small 6/6 ..

170 lb. Tension and Double Sliding Draw Tong

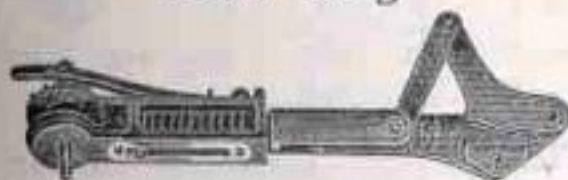


Fig. 1765

For 100, 150, and 200 lb. wire
PRICE, complete with key, 39/-

Tension Indicator



Fig. 4351

This Indicator is specially adapted for testing the tension of all descriptions of wire, rope, &c.

To indicate	1000 lb.	x 20 lb.	..	..	..	PRICE
..	2000	x 40	..	..	..	£7 0 0 each
..	3000	x 50	..	..	..	13 0 0 ..
..	4000	x 50	..	..	..	18 10 0 ..
..	..	..	..	..	..	27 0 0 ..

Improved Light Draw Tong



Fig. 2167

PRICE 3/6 each
Can be supplied in heavier sizes according to requirements. Also made double-sided or "Universal."

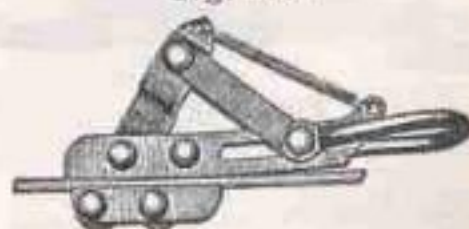
Parallel Grip Draw Tongs

Fig. 1766



To grip wire .. ½ ¾ 1 in.
PRICE .. 24/- 28/- 32/- each

Fig. 1767



To grip wire ¼ in.
PRICE 48/- each

Special Telegraph Tools—continued

Extra Heavy Pulling Clamp. Fig. 1770

14,000 lbs. Working Load



As manufactured by us to Messrs. Callenders Cable & Construction Co. Ltd.'s design and used by them on Thames Crossing Contract of the C.E.B. 132 KV. National Grid Scheme.

PRICE ON APPLICATION

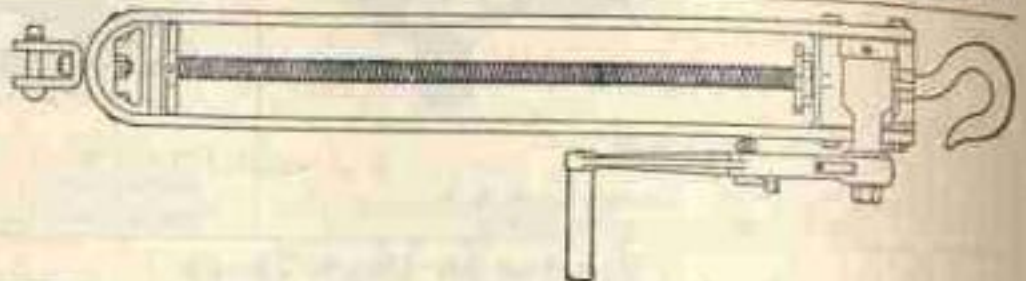
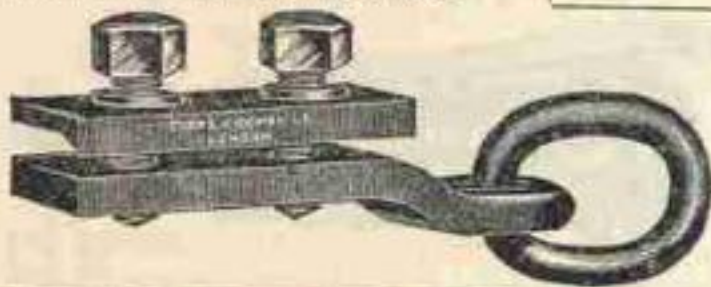
Flat Pulling Clamp

Fig. 6102

Grooved for wire. Also made with hook instead of link.

Price on application.

When enquiring for price it is important to state size and type of conductor and also the working tension.



The "Slack Puller" (Made in U.S.A.)

Fig. 1768

Takes the place of block and tackle and enables one man to do the work of four.

No. 730	For strains up to 3,000 lb., fitted with hook.	
	Take up 19 in., weight 17 lb.	£12 13 0
No. 731	For strains up to 6,000 lb., fitted with clevis.	
	Take up 19 in., weight 17 lb.	13 15 0
No. 7100	For strains up to 10,000 lb., fitted with clevis.	
	Take up 27 in., weight 45 lb.	24 15 0

"Come-along" Tong



Fig. 6101

Type	Light	Medium	Heavy
To grip wires in.	3"	4"	5"
PRICE	each 5/-	8/6	14/-

Devils Claw



Fig. 2166

4/6 each

Dutch Draw Tong

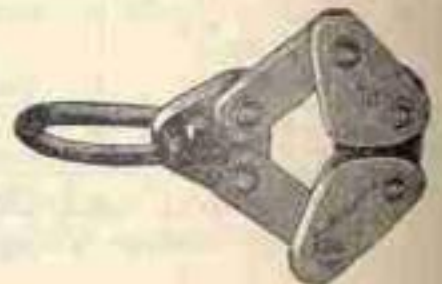


Fig. 2168

5/- each

Jointers' Vice

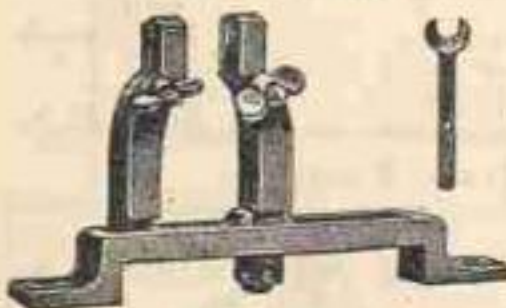


Fig. 2173

Bright, on brass stand, with key

PRICE, 34/- each

Can also be supplied on fitted wood block

Price on application

Also made on steel stand,

Britannia Joint Vice



Fig. 6104

PRICE 12/6 each

Twisting Clamp

For use on Sockets



Fig. 6103 5/- each

Steel Draw-in Tapes

Fig. 172

68 ft. x 1/4 in.	PRICE, 4/- each
68 ft. x 1/2 in.	" 4/6 -

Special Telegraph Tools—continued

Improved Stay Splicing Tool

Fig. 2175

DIRECTIONS FOR USE

To Attach a Stay to a Union.—1. Bend the strand wire as usual to form two knees 4 to 6 in. apart, according to size of thimble, the first knee being from 13 to 22 in. from end of wire, according to number of wires in stay. Then bend wire between the knees around thimble, using the tool to draw it closely into the groove. 2. Unstrand free end and straighten out wires; pick out one end for first lap; loosen Tool whilst this wire is passed underneath; grasp remaining wires with the Tool, and place them symmetrically parallel with and around main strand, so they that will bind in without spoiling its circular shape. Grip with Tool, and revolve the latter with the free wire under hook on thimble side of Tool, so that it will bind closely around stay and remainder of wires. Loosen Tool and take a second loose wire; place it in hook of Tool on the Thimble side and twist as before, and so on until all have been evenly bound around main stay. 3. Work in projecting short ends, which will not be more than $\frac{1}{4}$ in. long, by grasping splice with Tool (wire being inside hollow of Tool) and turning Tool over each end until it is worked in.

PRICE, large size, 8/6 each; small size, 7/3 each.

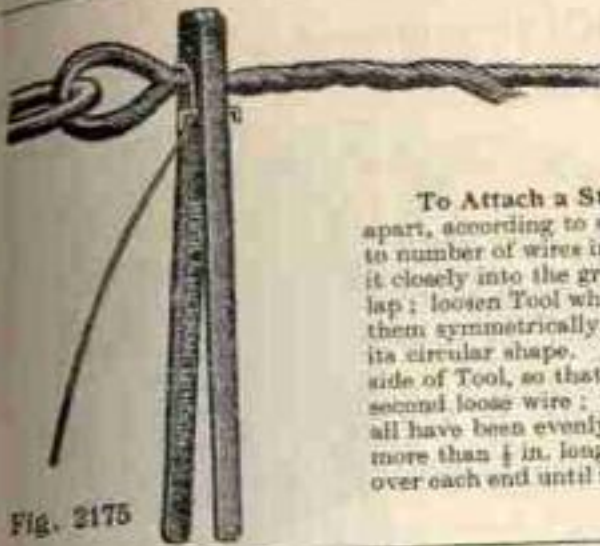


Fig. 2175

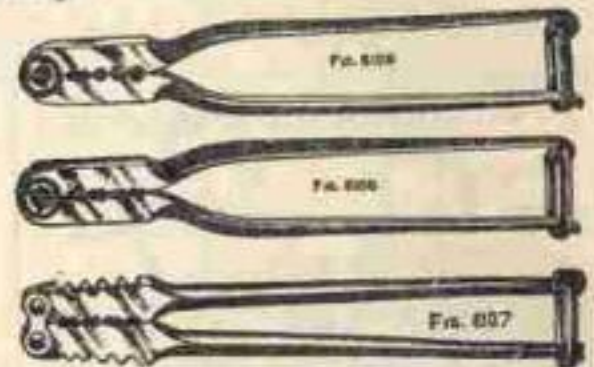
Jointers' Splicing Clamps

Capacities

Wire		Sleeves		Wire		Sleeves	
7 in. Clamps	148 in.	251	148 in.	10 in. Clamps	210 in.	4475	210 in.
	128 "	213	128 "		185 "	405	185 "
	107 "	179	107 "		182 "	372	182 "
	92 "	148	92 "		1405 "	290	1405 "

PRICES

		7 in.	10 in.
Fig. 6105. For Wires	.. .. .	7/6	10/6 each.
Fig. 6106. " Sleeves	.. .. .	7/9	11/9 "
Fig. 6107. " Wires and Sleeves	.. .. .	9/6	14/6 "



Woven Wire Cable Grips

Fig. 9811

For drawing Cables from the end.



Size	1	1 1/2	2 in.
Single end loop	14/6	17/6	21/6 each.
Double end loop	17/6	21/6	24/6 "
Size	2 1/2	3	3 1/2 in.
Single end loop	22/6	22/6	22/6 each
Double end loop	26/6	26/6	26/6 "

Vice and Twister

Fig. 1771

State size of wire to be twisted.



Price on application.

Test Borer for Wood (Foreign)

Fig. 684

For use in the examination of the quality of growing trees and timber, the depth of impregnation in sleepers, telegraph and telephone posts, masts, etc.

Consists of a hollow auger, which fits into the cross handle, and a gauge-shaped extractor. For convenience the hollow auger and the extractor are carried in the interior of the handle.

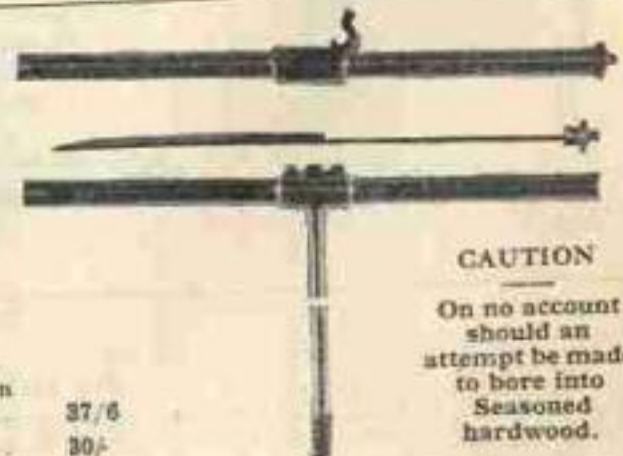
A. To bore core diameter of $4\frac{35}{64}$ to a depth of $7\frac{1}{4}$ in. (200%).

PRICE, complete with clearing rod and 4 glass sample tubes and fitted in lined case

Borer only with clearing rod

37/6

30/6



CAUTION

On no account should an attempt be made to bore into Seasoned hardwood.

Special Telegraph Tools—continued

Jointers' Tents



Wood Frame.

Fig. 2169

Wood Frame.

As used by the G.P.O.

Frames of specially selected Ash and covered tanned Sail Canvas. Doorways fitted each end.

Size A. Height, 6 ft.; Length, 5 ft.;

Width, 3 ft. 3 in.; Weight, 118 lb.

PRICE, £8 17 6

Size B. Height, 6 ft.; Length, 5 ft.;

Width, 4 ft.; Weight, 120 lb.

PRICE, £9 5 0

Iron Frame.

Lighter than wood. Will not warp. Covered Green or Brown Treated Canvas.

Size C. Height, 6 ft.; Length, 5 ft.;

Width, 3 ft. 3 in.; Weight, 94 lb.

PRICE, £9 15 0

Size D. Height, 6 ft.; Length, 8 ft.;

Width, 3 ft. 6 in.; Weight, 125 lb.

PRICE, £12 2 6



Collapsible Iron Frame.

Galvanometer-Detector

Fig. 2182

With Quantity and Intensity Coils.

Standard Instruments are fitted with Switch for 1 Shunt on Quantity Coil.

Quantity Coil wound to 2 ohms.

Intensity Coil wound to 100 ohms.

Polarized Needle.

Fitted in Polished Mahogany Case.

PRICE, complete in Leather Case with Shoulder Straps, £3 14 6

Other types furnished to order, including Post Office pattern, Railway pattern (in Aluminium Case), &c., &c.

Contact Clearing Rods



Fig. 2174

Contact Clearing Rods, standard pattern, with shears, saw, and hook, 4 Bamboo Rods with Brass Screw Joints, leather holster, and canvas satchel.

PRICE, complete -- £5 15 0

Linesmen's Blocks and Falls

Fig. 2170

Standard Set consists of a pair of 2- and 3-sheave Pulley Blocks, best London made, galvanised and fitted with G.N. Sheaves, and reeved with 60 ft. best Manila Rope.

PRICE

40/-

per set.

Can be made to any specification.

Inspection Mirror

Fig. 460

Nickel-plated handle. Screw stem to mirror.

Supplied plain or magnifying.

PRICE, complete, 2/6 each; Mirror only, 2/- each.



Supplies

For Telegraph and Telephone Line Work

Stay Rod and Swivels. Earth Plates. Straining Screws. Fenders (wrought iron) for Manholes. Guards or Fences (wood) for Manholes. Lamp Brackets for Jointers' Tents. Solder. Tallow. Plumbers' Block, etc., etc. Buckets. Gloves. Ropes. Tarpsaulin. Moleakin, etc., etc.

2, WHITECHAPEL ROAD, LONDON, E.1.

Special Telegraph Tools—continued

Linesman's Safety Belts For Poles
Fig. 6110. PRICE, 30/- each.



Safety Belt for Lamp Standards
With Hooks
Fig. 6111. PRICE, 63/- each



Telegraph Fire Pots

Fig. 472

Diam. of Body,
7 in.

Height
to top of body,
14½ in.

PRICE, 6/6 each

Linesman's Belt

With Frogs and Spring Hook
Without Tools .. 8/6 each Fig. 6112



Hand Vice

With Shackle and Strap. Fig. 2172



5 in. Vice, Strap 6 ft. long x 1½ in. wide
18/- each

Clock Throws

Fig. 2181

Complete as
illustrated

£7 0 0 each



Pole Climbing Irons. Fig. 2171
Best London Made



Extra
Strong.

Any
Pattern
made to
order.



With Straps and
Pads, 35/-

With Straps only,
27/6 per pair

Guy Anchors

Fig. 175

All rods galvanized

Holding strain from 5-50 tons, according
to size and soil.

Dia. of Head in.	Size of Rods in.	Length ft.	Weight lb.	PRICE each
6	1 Round	6	7½	14/3
6	"	6	9½	16/6
7	"	6	11	20/6
8	"	6	13	26/6
8	1½ Square	6	40	76/-
10	1½ "	6	66	94/6
12	1½ "	6	90	123/6
Wrench for Round Anchors ..		5ft. 4in.	30	44/6
Earth Auger for all sizes ..		5ft. 11in.	20	55/6



Screw Pickets

Fig. 463

PRICES
Standard
Sizes

½ in. x 2 ft.
6 in.
5/6 each

¾ in. x 3 ft.
6 in.
7/6 each
1 in. x 5 ft.
25/- each

Other sizes
to your
specification

Prices on
application



Adjustable Pole-Setting Plumb Level

Fig. 2180

Can be adjusted
for taper of pole
by Milled Wheel
and Graduated
Gauge.

28/- each.



BUCK & HICKMAN, LTD.,

Block Shears



Fig. 1829
(Left Hand)

PRICE 4/- per lb.
Smaller than 8 lb.
each charged as 8 lb.

Stock Shears



Fig. 1830 (Right Hand)
PRICE 4/- per lb. Smaller than
8 lb. each charged as 8 lb.

Tinmen's Snips, Toggle Jointed



		Fig. 4616. Straight				
Length	..	8	9	10	11	12 in.
PRICE	..	5/3	6/9	7/6	8/6	8/9 each

If supplied with Bent Blades, 2/6 each extra

Tinmen's Snips, Solid Steel



		Fig. 4615. Heavy Blade				
Length	..	8	10	12	14	16 in.
PRICE	..	3/6	4/3	5/3	8/3	12/- each

Gilbow "No-Nip" Tinmen's Snips Fig. 1997

An important alteration in design which eliminates all risk of nipping the hand by the shank ends.



		8	10	12	14 in.
Size	..	..	..	..	..
PRICE, Straight	..	2/3	3/-	4/3	6/- per pair
.. Bent	..	3/3	4/3	5/9	7/9 ..

Tinmen's Snips, Hand Forged



Fig. 1834. Straight

Length	..	6	7	8	9	10	11	12	14	16	18 in.
PRICE, Fig. 1834. Straight	..	1/6	1/7	1/8	2/-	2/3	2/6	3/2	4/6	7/6	9/- each
.. .. 1832. Bent	..	2/-	2/3	2/6	2/9	3/2	3/9	4/3	6/-	—	— ..



Fig. 1832. Bent

"Universal" Sheet Metal Shears (Foreign)

These shears are specially constructed to enable the most awkward curves and angles to be cut with ease, and also without unduly distorting the sheet metal. They are made of superfine steel carefully tempered, which enables them to stand up to the most strenuous work.



Type 1, with large and small blades

Size	..	8	8 1/2	9 1/2	10 1/2	11	12 in.
PRICE, both types	..	6/3	7/-	7/6	8/6	10/-	11/6 each



Type 2, with two small blades

"Gilbow" Tinmen's Sheet Metal Shears

Fig. 1119

Will cut curves and circles as well as straight lines. Made from high-grade forged steel, 11 in. long.

Two patterns: Straight handle or cranked handle for clearance.



No. 66, Straight handle
.. 66LH. .. Left hand ..

PRICE 6/- per pair
.. 6/6 ..



No. 67, Cranked handle
.. 67LH. .. Left hand ..

PRICE 6/6 per pair
.. 7/- ..

Scotch Hand Shears

Fig. 1831. Heavy Hand Forged



Length	..	8	9	10	11	12	14	16	18	20	22 in.
PRICE	..	5/9	6/-	6/9	7/9	8/9	11/-	14/-	16/3	18/9	22/- each

Tinmen's Round Nose Pliers. Fig. 1811

Length	..	6	7	8	9	10 in.
PRICE	..	2/2	2/5	2/9	3/6	4/3 each

Tinmen's Cutting Nippers. Fig. 1812

Length	..	6	7	8	9	10	12 in.
PRICE	..	2/2	2/8	3/4	4/-	5/-	7/- each

2, WHITECHAPEL ROAD, LONDON, E. 1.

Tinmen's Hammers



Fig. 1836. Block.
Regular weight, 5 lb.
3/- per lb.



Fig. 1837. Planishing.
Regular weight, 3 lb.
3/- per lb.



Fig. 1838. Flat.
Regular weight, 3 lb.
3/- per lb.



Fig. 1839. Convex.
Regular weight, 1-2 1/2 lb.
3/- per lb.



Fig. 1840. Concave.
Regular weight, 1-2 1/2 lb.
3/- per lb.

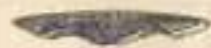


Fig. 1841. Crossing.
1-1 1/2 lb.
3/- each

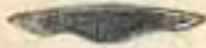


Fig. 1842. Paring.
1-1 1/2 lb.
3/- each



Fig. 1843. Rivetting.
1-1 1/2 lb.
3/- per lb.



Fig. 1844. Smoothing.
2-4 lb.
3/- per lb.



Fig. 1845. Hollowing.
3-5 lb.
3/- per lb.



Fig. 1846.
Round & Sq. Face
1-1 1/2 lb.
3/- per lb.

Hammers weighing less than 1 lb. each are charged as 1 lb.

Tinmen's Hollow Punches

Fig. 1819



Size	1/8	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/4	5 1/2	5 3/4	6	6 1/4	6 1/2	6 3/4	7	7 1/4	7 1/2	7 3/4	8	8 1/4	8 1/2	8 3/4	9	9 1/4	9 1/2	9 3/4	10	10 1/4	10 1/2	10 3/4	11	11 1/4	11 1/2	11 3/4	12	12 1/4	12 1/2	12 3/4	13	13 1/4	13 1/2	13 3/4	14	14 1/4	14 1/2	14 3/4	15	15 1/4	15 1/2	15 3/4	16	16 1/4	16 1/2	16 3/4	17	17 1/4	17 1/2	17 3/4	18	18 1/4	18 1/2	18 3/4	19	19 1/4	19 1/2	19 3/4	20	20 1/4	20 1/2	20 3/4	21	21 1/4	21 1/2	21 3/4	22	22 1/4	22 1/2	22 3/4	23	23 1/4	23 1/2	23 3/4	24	24 1/4	24 1/2	24 3/4	25	25 1/4	25 1/2	25 3/4	26	26 1/4	26 1/2	26 3/4	27	27 1/4	27 1/2	27 3/4	28	28 1/4	28 1/2	28 3/4	29	29 1/4	29 1/2	29 3/4	30	30 1/4	30 1/2	30 3/4	31	31 1/4	31 1/2	31 3/4	32	32 1/4	32 1/2	32 3/4	33	33 1/4	33 1/2	33 3/4	34	34 1/4	34 1/2	34 3/4	35	35 1/4	35 1/2	35 3/4	36	36 1/4	36 1/2	36 3/4	37	37 1/4	37 1/2	37 3/4	38	38 1/4	38 1/2	38 3/4	39	39 1/4	39 1/2	39 3/4	40	40 1/4	40 1/2	40 3/4	41	41 1/4	41 1/2	41 3/4	42	42 1/4	42 1/2	42 3/4	43	43 1/4	43 1/2	43 3/4	44	44 1/4	44 1/2	44 3/4	45	45 1/4	45 1/2	45 3/4	46	46 1/4	46 1/2	46 3/4	47	47 1/4	47 1/2	47 3/4	48	48 1/4	48 1/2	48 3/4	49	49 1/4	49 1/2	49 3/4	50	50 1/4	50 1/2	50 3/4	51	51 1/4	51 1/2	51 3/4	52	52 1/4	52 1/2	52 3/4	53	53 1/4	53 1/2	53 3/4	54	54 1/4	54 1/2	54 3/4	55	55 1/4	55 1/2	55 3/4	56	56 1/4	56 1/2	56 3/4	57	57 1/4	57 1/2	57 3/4	58	58 1/4	58 1/2	58 3/4	59	59 1/4	59 1/2	59 3/4	60	60 1/4	60 1/2	60 3/4	61	61 1/4	61 1/2	61 3/4	62	62 1/4	62 1/2	62 3/4	63	63 1/4	63 1/2	63 3/4	64	64 1/4	64 1/2	64 3/4	65	65 1/4	65 1/2	65 3/4	66	66 1/4	66 1/2	66 3/4	67	67 1/4	67 1/2	67 3/4	68	68 1/4	68 1/2	68 3/4	69	69 1/4	69 1/2	69 3/4	70	70 1/4	70 1/2	70 3/4	71	71 1/4	71 1/2	71 3/4	72	72 1/4	72 1/2	72 3/4	73	73 1/4	73 1/2	73 3/4	74	74 1/4	74 1/2	74 3/4	75	75 1/4	75 1/2	75 3/4	76	76 1/4	76 1/2	76 3/4	77	77 1/4	77 1/2	77 3/4	78	78 1/4	78 1/2	78 3/4	79	79 1/4	79 1/2	79 3/4	80	80 1/4	80 1/2	80 3/4	81	81 1/4	81 1/2	81 3/4	82	82 1/4	82 1/2	82 3/4	83	83 1/4	83 1/2	83 3/4	84	84 1/4	84 1/2	84 3/4	85	85 1/4	85 1/2	85 3/4	86	86 1/4	86 1/2	86 3/4	87	87 1/4	87 1/2	87 3/4	88	88 1/4	88 1/2	88 3/4	89	89 1/4	89 1/2	89 3/4	90	90 1/4	90 1/2	90 3/4	91	91 1/4	91 1/2	91 3/4	92	92 1/4	92 1/2	92 3/4	93	93 1/4	93 1/2	93 3/4	94	94 1/4	94 1/2	94 3/4	95	95 1/4	95 1/2	95 3/4	96	96 1/4	96 1/2	96 3/4	97	97 1/4	97 1/2	97 3/4	98	98 1/4	98 1/2	98 3/4	99	99 1/4	99 1/2	99 3/4	100	100 1/4	100 1/2	100 3/4	101	101 1/4	101 1/2	101 3/4	102	102 1/4	102 1/2	102 3/4	103	103 1/4	103 1/2	103 3/4	104	104 1/4	104 1/2	104 3/4	105	105 1/4	105 1/2	105 3/4	106	106 1/4	106 1/2	106 3/4	107	107 1/4	107 1/2	107 3/4	108	108 1/4	108 1/2	108 3/4	109	109 1/4	109 1/2	109 3/4	110	110 1/4	110 1/2	110 3/4	111	111 1/4	111 1/2	111 3/4	112	112 1/4	112 1/2	112 3/4	113	113 1/4	113 1/2	113 3/4	114	114 1/4	114 1/2	114 3/4	115	115 1/4	115 1/2	115 3/4	116	116 1/4	116 1/2	116 3/4	117	117 1/4	117 1/2	117 3/4	118	118 1/4	118 1/2	118 3/4	119	119 1/4	119 1/2	119 3/4	120	120 1/4	120 1/2	120 3/4	121	121 1/4	121 1/2	121 3/4	122	122 1/4	122 1/2	122 3/4	123	123 1/4	123 1/2	123 3/4	124	124 1/4	124 1/2	124 3/4	125	125 1/4	125 1/2	125 3/4	126	126 1/4	126 1/2	126 3/4	127	127 1/4	127 1/2	127 3/4	128	128 1/4	128 1/2	128 3/4	129	129 1/4	129 1/2	129 3/4	130	130 1/4	130 1/2	130 3/4	131	131 1/4	131 1/2	131 3/4	132	132 1/4	132 1/2	132 3/4	133	133 1/4	133 1/2	133 3/4	134	134 1/4	134 1/2	134 3/4	135	135 1/4	135 1/2	135 3/4	136	136 1/4	136 1/2	136 3/4	137	137 1/4	137 1/2	137 3/4	138	138 1/4	138 1/2	138 3/4	139	139 1/4	139 1/2	139 3/4	140	140 1/4	140 1/2	140 3/4	141	141 1/4	141 1/2	141 3/4	142	142 1/4	142 1/2	142 3/4	143	143 1/4	143 1/2	143 3/4	144	144 1/4	144 1/2	144 3/4	145	145 1/4	145 1/2	145 3/4	146	146 1/4	146 1/2	146 3/4	147	147 1/4	147 1/2	147 3/4	148	148 1/4	148 1/2	148 3/4	149	149 1/4	149 1/2	149 3/4	150	150 1/4	150 1/2	150 3/4	151	151 1/4	151 1/2	151 3/4	152	152 1/4	152 1/2	152 3/4	153	153 1/4	153 1/2	153 3/4	154	154 1/4	154 1/2	154 3/4	155	155 1/4	155 1/2	155 3/4	156	156 1/4	156 1/2	156 3/4	157	157 1/4	157 1/2	157 3/4	158	158 1/4	158 1/2	158 3/4	159	159 1/4	159 1/2	159 3/4	160	160 1/4	160 1/2	160 3/4	161	161 1/4	161 1/2	161 3/4	162	162 1/4	162 1/2	162 3/4	163	163 1/4	163 1/2	163 3/4	164	164 1/4	164 1/2	164 3/4	165	165 1/4	165 1/2	165 3/4	166	166 1/4	166 1/2	166 3/4	167	167 1/4	167 1/2	167 3/4	168	168 1/4	168 1/2	168 3/4	169	169 1/4	169 1/2	169 3/4	170	170 1/4	170 1/2	170 3/4	171	171 1/4	171 1/2	171 3/4	172	172 1/4	172 1/2	172 3/4	173	173 1/4	173 1/2	173 3/4	174	174 1/4	174 1/2	174 3/4	175	175 1/4	175 1/2	175 3/4	176	176 1/4	176 1/2	176 3/4	177	177 1/4	177 1/2	177 3/4	178	178 1/4	178 1/2	178 3/4	179	179 1/4	179 1/2	179 3/4	180	180 1/4	180 1/2	180 3/4	181	181 1/4	181 1/2	181 3/4	182	182 1/4	182 1/2	182 3/4	183	183 1/4	183 1/2	183 3/4	184	184 1/4	184 1/2	184 3/4	185	185 1/4	185 1/2	185 3/4	186	186 1/4	186 1/2	186 3/4	187	187 1/4	187 1/2	187 3/4	188	188 1/4	188 1/2	188 3/4	189	189 1/4	189 1/2	189 3/4	190	190 1/4	190 1/2	190 3/4	191	191 1/4	191 1/2	191 3/4	192	192 1/4	192 1/2	192 3/4	193	193 1/4	193 1/2	193 3/4	194	194 1/4	194 1/2	194 3/4	195	195 1/4	195 1/2	195 3/4	196	196 1/4	196 1/2	196 3/4	197	197 1/4	197 1/2	197 3/4	198	198 1/4	198 1/2	198 3/4	199	199 1/4	199 1/2	199 3/4	200	200 1/4	200 1/2	200 3/4	201	201 1/4	201 1/2	201 3/4	202	202 1/4	202 1/2	202 3/4	203	203 1/4	203 1/2	203 3/4	204	204 1/4	204 1/2	204 3/4	205	205 1/4	205 1/2	205 3/4	206	206 1/4	206 1/2	206 3/4	207	207 1/4	207 1/2	207 3/4	208	208 1/4	208 1/2	208 3/4	209	209 1/4	209 1/2	209 3/4	210	210 1/4	210 1/2	210 3/4	211	211 1/4	211 1/2	211 3/4	212	212 1/4	212 1/2	212 3/4	213	213 1/4	213 1/2	213 3/4	214	214 1/4	214 1/2	214 3/4	215	215 1/4	215 1/2	215 3/4	216	216 1/4	216 1/2	216 3/4	217	217 1/4	217 1/2	217 3/4	218	218 1/4	218 1/2	218 3/4	219	219 1/4	219 1/2	219 3/4	220	220 1/4	220 1/2	220 3/4	221	221 1/4	221 1/2	221 3/4	222	222 1/4	222 1/2	222 3/4	223	223 1/4	223 1/2	223 3/4	224	224 1/4	224 1/2	224 3/4	225	225 1/4	225 1/2	225 3/4	226	226 1/4	226 1/2	226 3/4	227	227 1/4	227 1/2	227 3/4	228	228 1/4	228 1/2	228 3/4	229	229 1/4	229 1/2	229 3/4	230	230 1/4	230 1/2	230 3/4	231	231 1/4	231 1/2	231 3/4	232	232 1/4	232 1/2	232 3/4	233	233 1/4	233 1/2	233 3/4	234	234 1/4	234 1/2	234 3/4	235	235 1/4	235 1/2	235 3/4	236	236 1/4	236 1/2	236 3/4	237	237 1/4	237 1/2	237 3/4	238	238 1/4	238 1/2	238 3/4	239	239 1/4	239 1/2	239 3/4	240	240 1/4	240 1/2	240 3/4	241	241 1/4	241 1/2	241 3/4	242	242 1/4	242 1/2	242 3/4	243	243 1/4	243 1/2	243 3/4	244	244 1/4	244 1/2	244 3/4	245	245 1/4	245 1/2	245 3/4	246	246 1/4	246 1/2	246 3/4	247	247 1/4	247 1/2	247 3/4	248	248 1/4	248 1/2	248 3/4	249	249 1/4	249 1/2	249 3/4	250	250 1/4	250 1/2	250 3/4	251	251 1/4	251 1/2	251 3/4	252	252 1/4	252 1/2	252 3/4	253	253 1/4	253 1/2	253 3/4	254	254 1/4	254 1/2	254 3/4	255	255 1/4	255 1/2	255 3/4	256	256 1/4	256 1/2	256 3/4	257	257 1/4	257 1/2	257 3/4	258	258 1/4	258 1/2	258 3/4	259	259 1/4	259 1/2	259 3/4	260	260 1/4	260 1/2	260 3/4	261	261 1/4	261 1/2	261 3/4	262	262 1/4	262 1/2	262 3/4	263	263 1/4	263 1/2	263 3/4	264	264 1/4	264 1/2	264 3/4	265	265 1/4	265 1/2	265 3/4	266	266 1/4	266 1/2	266 3/4	267	267 1/4	267 1/2	267 3/4	268	268 1/4	268 1/2	268 3/4	269	269 1/4	269 1/2	269 3/4	270	270 1/4	270 1/2	270 3/4	271	271 1/4	271 1/2	271 3/4	272	272 1/4	272 1/2	272 3/4	273	273 1/4	273 1/2	273 3/4	274	274 1/4	274 1/2	274 3/4	275	275 1/4	275 1/2	275 3/4	276	276 1/4	276 1/2	276 3/4	277	277 1/4	277 1/2	277 3/4	278	278 1/4	278 1/2	278 3/4	279	279 1/4	279 1/2	279 3/4	280	280 1/4	280 1/2	280 3/4	281	281 1/4	281 1/2	281 3/4	282	282 1/4	282 1/2	282 3/4	283	283 1/4	283 1/2	283 3/4	284	284 1/4	284 1/2	284 3/4	285	285 1/4	285 1/2	285 3/4	286	286 1/4	286 1/2	286 3/4	287	287 1/4	287 1/2	287 3/4	288	288 1/4	288 1/2	288 3/4	289	289 1/4	289 1/2	289 3/4	290	290 1/4	29
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Tinmen's Bick Irons, Anvils, Stakes, &c.



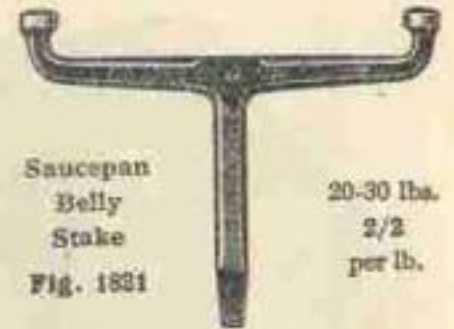
Bick Irons
Fig. 1818
Trought Iron,
20-30 lbs.

10-20 lbs.,
2/2 per lb.
Over 20 lbs.
2/- per lb.



Horse
Fig. 1820
20-35 lbs.

1/6
per lb.



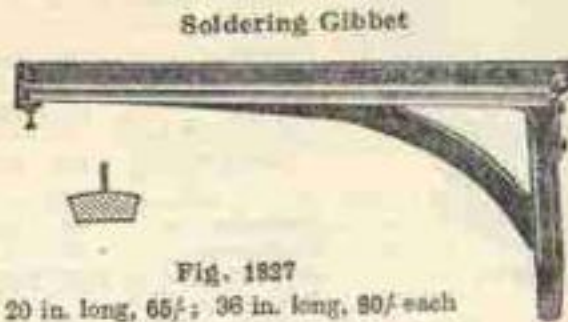
Saucepan
Belly
Stake
Fig. 1821

20-30 lbs.
2/2
per lb.



Kettle Lid Swage

Fig. 1826
60/- each



Soldering Gibbet

Fig. 1827
20 in. long, 65/-; 36 in. long, 80/- each

Stud Boss & 2 Punches



Fig. 1828
35/- per set

Round Head

Square Head

Anvil

Anvil Stake

Tea Kettle
Bottom
Stake

Round
Bottom
Stake

Half
Moon
Stake

Teapot
Neck Tool



Fig. 1847
about 3 lbs.



Fig. 1813
about 4 lbs.



Fig. 1850
32-52 lbs.
2/8 per lb.



Fig. 1854
14-34 lbs.
2/8 per lb.



Fig. 1851
About 14 lbs.
2/8 per lb.



Fig. 1852
15-35 lbs.
2/8 per lb.



Fig. 1853
4-10 lbs.
2/6 per lb.



Fig. 1856
About 5 lbs.
2/8 per lb.

Long Head

Oval Head



Fig. 1848
About 4 lbs.
All Heads, 2/8 per lb.
Minimum 3 lbs.



Fig. 1849
About 3 lbs.

Hatchet Stake



Fig.
1857

7-12
lbs.
10 lbs.
and up
1/10
per lb.
Under
10 lbs.
2/2
per lb.

Grooving Stake



Fig. 1858
10-18 lbs.
3/- per lb.

Extinguisher Stake

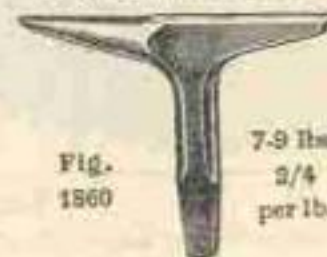


Fig.
1860

7-9 lbs.
2/4
per lb.

Creasing Iron

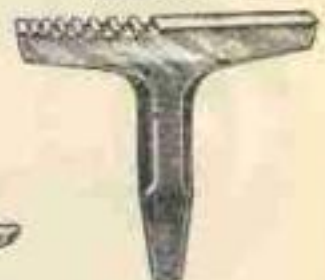


Fig. 1859
10-18 lbs.
2/10 per lb.

Pepper or Flour
Box and Teapot
Top Head



Fig. 1855
2-3 1/2 lbs.
2/- per lb.

Dripping
Pan Stake



Fig. 1814
15-25 lbs.
2/10 per lb.

If special tools are required, correct patterns or drawings must be furnished. We shall be pleased to quote for tools made to customers' requirements.

BUCK & HICKMAN, LTD.,

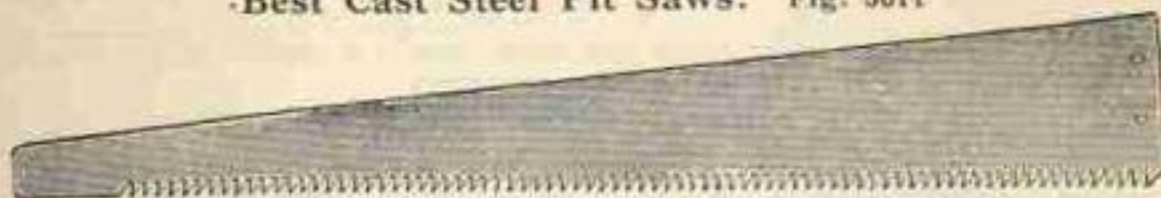
Buck & Hickman's Best Cast Steel Cross-cut Saws. Fig. 5010



Supplied with Peg Tooth unless otherwise ordered.

Length	4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10 ft.
PRICE	13/-	15/-	18/-	19/-	22/-	24/-	26/-	31/-	39/-	45/-	54/-	62/-	72/- each

Best Cast Steel Pit Saws. Fig. 5011



Heel not to exceed 11 in. wide.

Length	4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10 ft.
PRICE	16/6	17/6	19/6	21/-	24/-	26/-	28/-	33/-	39/-	46/-	54/-	62/-	72/- each.

If Heel or Butt exceeds 11 in., 2/- per inch extra.
Tiller and Handle, 5/-. Pit Saw Boxes, 3/3 each.

Best Cast Steel Stone Saws. Fig. 5013

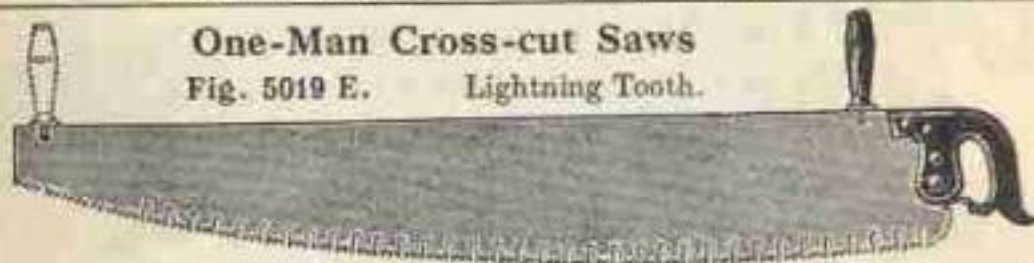


Not exceeding 9 in. wide.

Length	..	..	..	..	..	..	5	5½	6	6½	7	7½	8	9 ft.
PRICE	..	..	..	..	..	..	24/-	26/-	28/-	31/-	34/-	38/-	42/-	52/- each.

Prices include up to 9 in. wide. If wider 3/- per inch extra.

One-Man Cross-cut Saws Fig. 5019 E. Lightning Tooth.



Length	..	..	..	..	..	..	..	2½	3	3½	4	4½	5 ft.
PRICE	..	..	..	..	..	..	..	14/6	15/6	18/-	21/-	24/-	27/6 each.

Peg Tooth can be supplied if required.

Best Cast Steel Frame Saws. Fig. 5012

Vertical Log and Deal Frame Saws. Fig. 5963

Horizontal Frame Saws. Fig. 5964

Made to order in all sizes. Prices quoted on receipt of particulars of requirements.

Stone Saw Plates. Fig. 5014

All sizes kept in stock. Price on application.

Best Cast Steel Mill Webs and Horizontal Saws. Fig. 5015

Made to order in all sizes. Prices quoted on receipt of particulars of requirements.

Best Cast Steel Veneer Webs. Fig. 5016

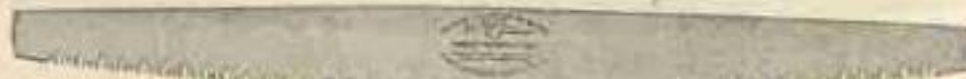
Best Cast Steel Felloe or Turning Saws. Fig. 5017

Made to order in all sizes. Price on application.

2, WHITECHAPEL ROAD, LONDON, E. 1.

Disston's Cross-Cut Saws (Made in U.S.A.)

No. 124. Great American Fig. 1155



Tapered 14 & 19 Gauge. Crowning back. Made with all cutting teeth, no rakers. Mostly used for cutting seasoned lumber, but is also used for cutting diagonally across the grain. Ground by the Disston process on lines to conform to the tooth edge of the saw. Five gauges thinner on back than on cutting edge.

Length	4	4½	5	5½	6 ft.
PRICE	19/9	22/-	24/3	27/-	29/- each.

No. 494. Beaver Hollow Back Fig. 1156



Tapered 14 & 17 Gauge. Hollow Back. This is a four-cutter raker-tooth type, designed for felling, and bucking small timber. The blade is narrow, back cut hollow in order to give sufficient breast or curve to the cutting edge. Ground as Fig. 1155. Three gauges thinner on back than on cutting edge.

Length	4	4½	5	5½	6 ft.
PRICE	22/3	25/6	28/6	32/-	37/6 each.

No. 114. Lance Perforated Fig. 1157



Tapered 14 & 18 Gauge. Crowning back. This saw has a full width blade and four-cutter and raker perforated type of tooth. Ground by the Disston process on lines to conform to the tooth edge. Four gauges thinner on the back than on cutting edge.

Length	4	4½	5	5½	6	7 ft.
PRICE	19/6	22/-	24/-	26/9	28/9	34/- each.

One-Man Cross-Cut Saws

No. 524. Great American Fig. 1158



An all round Saw excellent for framing work, as it makes a fine straight cut. Small teeth at point to assist starting. Ground on lines to conform to the tooth edge. Two gauges thinner on back. Hardwood handle, comfortable grip. Supplementary handle included in price.

Length	3	3½	4	4½	5 ft.
PRICE	15/6	17/9	20/6	23/-	25/6 each.

Disston's Cross-Cut Saw Handles (Made in U.S.A.)

Fig. 1159

For Two-man Saws.

No. 102½. Reversible Handle, 13½ in. long. 1½ in. diam. at thickest part. Malleable Iron bolt and Wing nut. Grey iron face plate and washer.

PRICE, 180/- per 100 pairs.

No. 103. Similar to above. Face plate and washer are unusually heavy castings.

PRICE, 192/6 per 100 pairs.

Fig. 1160

Supplementary Handle for One-man Saws

No. 118. Hardwood. 4½ in. long. 1½ in. diam. at thickest part.

Heavy steel ferrule.

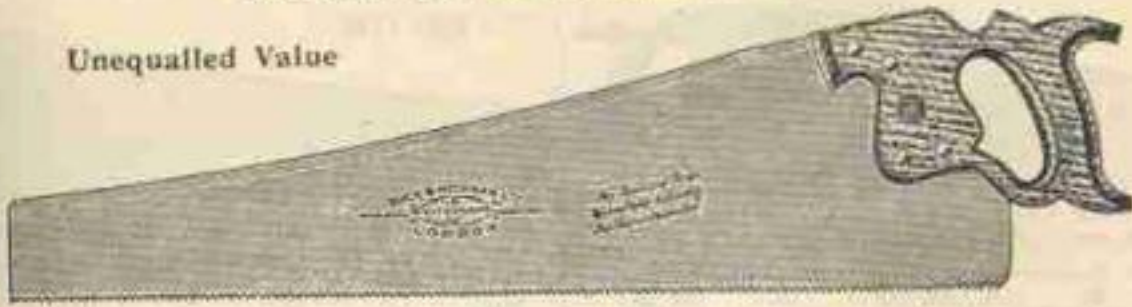
PRICE, 12/- doz.

Buck & Hickman's Warranted Cast Steel Saws

Rip, Half-Rip, Hand and Panel Saws

Fig. 5969

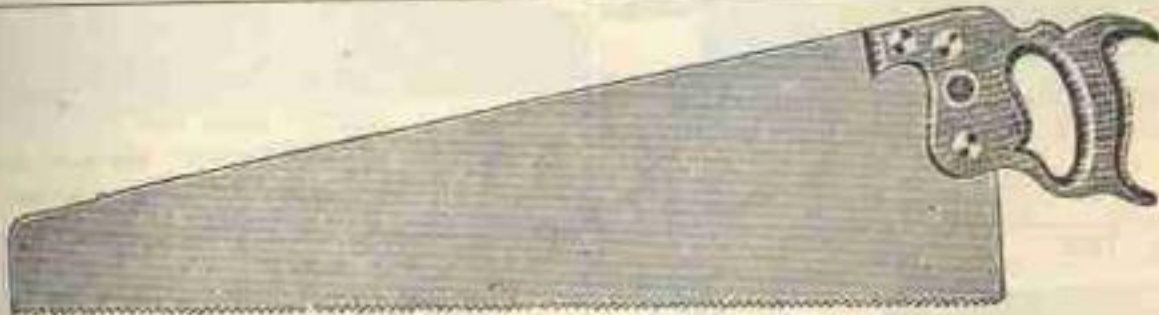
Unequalled Value



This Saw has no superior. Skew Back, extra London Spring Steel, highly finished. Selected Beech Handle. Five raised screws.

Length	16	18	20	22	24	26	28	30 in.
PRICE	5/8	6/2	6/6	7/-	7/10	8/4	8/10	9/10 each

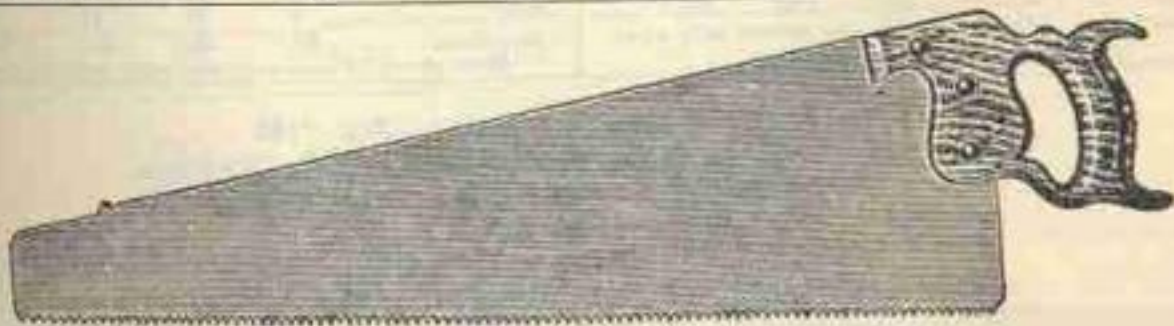
Fig. 5025



Warranted Best Cast Steel Hand Saws.

Length	10	12	14	16	18	20	22	24	26	28	30 in.
Fig. 5025LS, London Spring Steel							6/8	7/8	8/3	8/9	9/10 each
„ 5025A, Cast Steel, Warranted	2/8	3/2	3/10	4/4	5/-	5/3	5/10	6/7	6/9	7/4	7/10 „

Fig. 5025 B



Warranted Hand Saw. Medium quality.

Length	10	12	14	16	18	20	22	24	26	28	30 in.
PRICE	2/5	2/8	3/3	3/10	4/5	4/9	5/4	5/10	6/-	6/8	7/3 each

The 26 in. Saws are also stocked specially for Coopers and Contractors. Prices as above.
Masons' Hand Saws, Fig. 5028—30 in., 9/8; 33 in., 12/-; 36 in., 13/6 each.

Tenon or Back Saws

Fig. 5029



Grade A and B.

Grade C.

Length, up to	10	12	14	16	18	20	22	24 in.
Grade A. Best Quality Heavy Brass Back	6/8	7/4	8/3	9/6	10/4	10/10	11/9	12/10 each
„ B „ „ Iron Back	5/2	5/6	5/10	6/8	7/-	7/2	7/9	8/3 „
„ C Second Quality „ Warranted	4/8	5/-	5/4	6/-	6/4	6/6	7/2	7/8 „

2, WHITECHAPEL ROAD, LONDON, E. 1.

Slack, Sellars' Hand, Back and Cross-Cut Saws

Fig. 1135



No. 95. "Speed" Brand Hollowback Hand Saw

Handles highly polished all over, raised silver-plated screws

Size ..	20	22	24	26	28 in.
PRICE ..	126/-	138/-	156/-	162/-	180/- doz.

Fig. 1140



No. 78A. "City" Brand Straight Back Handsaw

Handles polished all over, raised brass screws, flexible blades, spring temper.

Size ..	20	22	24	26	28 in.
PRICE ..	63/-	69/-	75/-	78/-	87/- doz.

Fig. 1142



No. 53A. "City" Brand Backsaw
Handles polished on edges, raised brass screws, medium heavy backs.

Size ..	8 and 10	12	14	16 in.
With Iron Back ..	72/-	81/-	93/-	105/- doz.
With Brass Back ..	90/-	99/-	108/-	133/- doz.
We fully warrant every "CITY" Saw to be perfect both as to material and workmanship.				

Fig. 1138

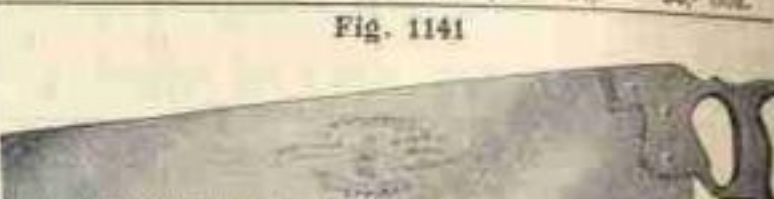


No. 78B. "City" Brand Hollowback Handsaw

Handles polished all over, raised brass screws, flexible blades, spring temper.

Size ..	20	22	24	26	28 in.
PRICE ..	69/-	75/-	81/-	84/-	90/- doz.

Fig. 1141



No. 79A. "Black Knight" Farmers' Handsaw

With Lightning teeth for cutting green and wet wood.

Size ..	24 inches, 54/-	26 inches, 57/- doz.
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Fig. 1147



No. 55. "Black Knight" Backsaw

Size ..	8	10	12	14	16 in.
Iron Back ..	42/-	46/-	51/-	60/-	66/- doz.
Saws above 10 inch supplied with regular closed handles.					

Two-Man Cross-Cut Saws Fig. 1195

"Speed" Saws are high quality Alloy Steel Saws ground 2 gauges thin to back.

"City" Saws are really good quality saws, at a moderate price.

All set and sharpened.



Length ..	3	3½	4	4½	5	5½	6	6½	7 ft.
Great American Teeth (as shown) "Speed" Brand	—	—	14/-	16/3	19/6	20/6	23/9	26/-	28/3 ea.
"City" Brand	—	—	10/-	11/3	12/3	13/6	15/-	17/-	20/-
Peg Tooth ..	11/3	12/3	13/3	15/3	18/3	19/3	22/3	24/3	26/6
"City" Brand	6/-	7/-	8/-	9/-	10/-	11/3	12/6	14/6	17/-

Fig. 1497

One-Man Cross-Cut Saw



Length ..	3	3½	4	4½	5 ft.
Great American Teeth (as shown) "Speed" Brand	18/-	19/-	22/9	26/-	29/3 ea.
"City" Brand	11/-	12/-	14/-	16/-	18/-

Cross-Cut Saw Fittings

Climax Reversible Handles (as shown on Fig. 1195), 3/- per pair.
Auxiliary Handle for One-Man Saw, 1/- each.

Disston's Hand Saws (Made in U.S.A.)

Fig. 5031. (No. D8)



This Saw has all the latest improvements in Hand Saws. It combines the popular skew back, the peculiar shaped butt or heel, which, with the new screws, makes it almost impossible to work loose from the handle, and gives the full sweep of the saw without the possibility of catching in the work. Spring Steel, Warranted, Apple Handle, Polished Edge, five Brass Screws.

Length	18	20	22	24	26	28 in.
PRICE	10/6	11/6	12/3	13/6	13/6	16/6 each

Fig. 5034. (No. D7)

Crucible Cast Steel, Grained Blade, Warranted, Beech Handle, Polished Edge, four Brass Screws.



Length	20	22	24	26	28 in.
PRICE	10/9	10/9	11/6	11/6	13/6 each



Fig. 5972. (No. 600)

Beech Handle, Varnished Edge, Brass Screws.

Length	14	16	18	20	22	24	26 in.
PRICE	1/10	1/10	2/-	2/3	2/5	2/8	2/9 each

Disston's Saw-Filer's Vices (Made in U.S.A.)

Adjustable Ball and Socket Clamp

Fig. 5060. (No. 1)



Length of Jaw, 9 in.
Holds Saw at any angle.
PRICE, Japanned 17/- ea.

Improved Saw Clamp

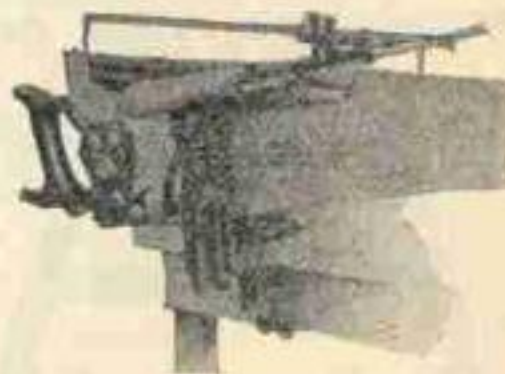
Fig. 5061. (No. 2)



Length of Jaw, 9½ in.
PRICE, Japanned, 11/9 ea.

Saw Filing Guide

Fig. 5062. (No. D3)



Length of Jaw, 12½ in.

Specially designed for unskilled persons. Illustration shows Saw and Guide in proper position for filing. The Swivel Attachment has three divisions for alternate teeth and for setting square for Rip Saws. PRICE, including Clamp, Filing Guide, File and Handle, in Wooden box, 25/6 each

Disston's

Back Saws (Made in U.S.A.)
Fig. 5038 (Nos. 4 and 5)



Apple Handle, Polished Edge.

Length ..	8	10	12	14	16 in.
No. 4, Blued back	8/9	8/9	9/3	10/6	11/9 each
.. 5, Brass	9/6	9/6	10/9	11/9	13/6 ..

Davis Back Saw (Made in U.S.A.)
Fig. 5973 (No. 0)

Beech Handle, Polished Edge, 10 and 12 in. made with open handle, 14 in. with closed handle. All sizes made 12 point only.

Length ..	10	12	14 in.
PRICE ..	3/6	3/9	4/6 each

Keyhole Saw and Pad (Made in U.S.A.)
Fig. 5046 (No. 5)



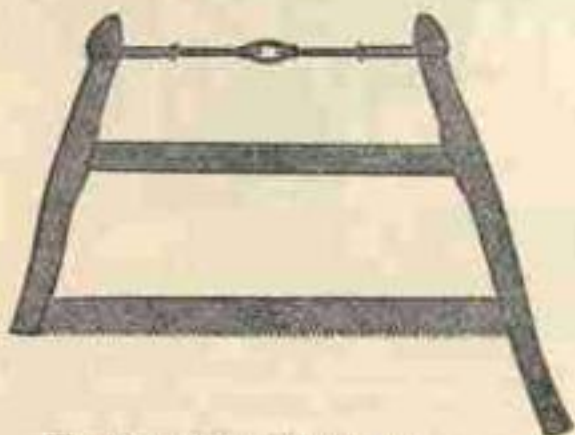
PRICE, complete	1/9 each
.. Saw blade only	1/6 ..
.. Handle	7/9 ..

Forms a combination of Keyhole Saw and Screwdriver.

Nest of Saws (Made in U.S.A.)
Fig. 5043 (No. 3)

PRICE, complete	7/3 each
.. Keyhole Blade, 10 in.	1/3 ..
.. Compass	14 ..
.. Pruning	16 ..
.. Handles	1/6 ..

Disston's Brace Frame (Made in U.S.A.)
Fig. 5974 (No. 177)



Wood Saw, 30 in., No. 77 Blade
2 1/2 in. wide, Climax Rod, Plain

PRICE	6/ each
Extra Blades	33/6 doz.

Cast Steel Compass Saw (Made in U.S.A.)
Fig. 5042 Apple Handle. (No. 2)



Length ..	12	14 in.
PRICE ..	3/6	3/8 each

Duplex Pruning Saw (Made in U.S.A.)
Fig. 5049 (No. 4)



Length ..	16	18	20 in.
PRICE ..	6/6	7/6	7/8 each

"Little Giant"
Pruning Hook and
Saw (Made in U.S.A.)

Fig. 5072 (No. 35)

Knife and Saw, both made of best cast steel.

Can be used with or without pole.

Saw can be detached when not required.

Light and very strong.

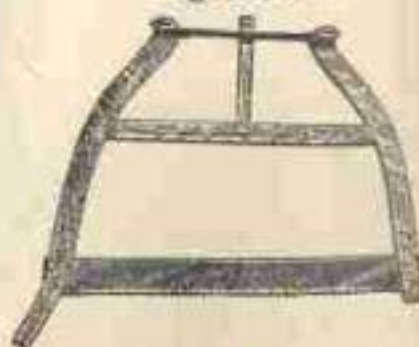
PRICES.

Hook and Saw, Without pole.

11/3 each



Woodcutter's Bow Saw and Frame
Fig. 5021



Best London-made Beech Frame, 30 in., complete with Cast Steel Saw Blade, 3 in. wide.

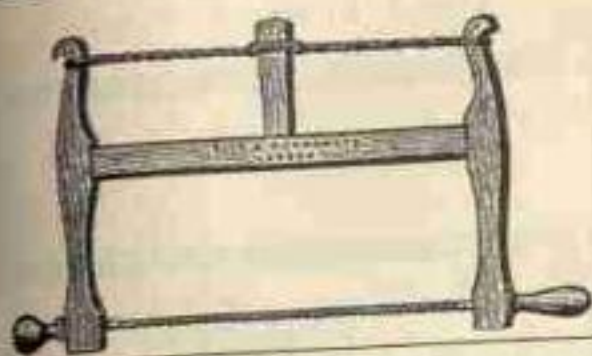
Size A, with Peg Tooth	7/6	extra blades,	2/6 each
.. B, with Fleam Tooth	8/3	..	3/3 ..

Joiners' Bow Saw or Turning Saw

Beech Frames, Boxwood Handles.

Fig. 5052

Size	8	9	10	12	14	16	18	20 in.
PRICE	7/6	7/6	7/6	8/3	8/9	10/8	12/2	13/8 each
" Blades only	2/5	2/11	3/2	3/6	4/1	4/8	5/7	6/6 per doz.



"Lightning" Pruning Saw

Fig. 5048



Size	12	14	16	18	20 in.
PRICE	2/10	3/1	3/3	3/6	4/- each

Plumbers' Saw Fig. 6471



Specially adapted for the use of plumbers, carpenters, and others. The fine tooth edge is for cutting metal, and the coarser teeth for cutting wood.

Size	12	14	16	18 in.
PRICE	3/-	3/6	4/-	4/6 each

Salt Saw. Fig. 6472



With Zinc Blade.

Size	14	16 in.
PRICE	1/5	2/- each

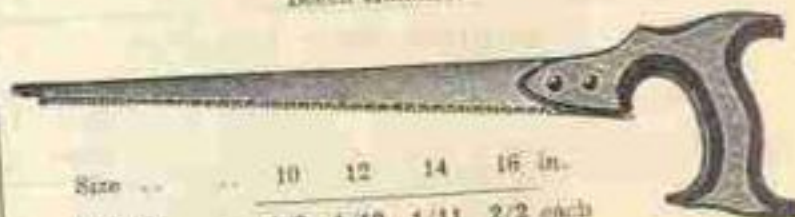
With Copper Blade.

Size, 16 in. only.	PRICE	3/- each
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Compass or Lock Saw

Fig. 5041

Beech Handles.



Size	10	12	14	16 in.
PRICE	1/8	1/10	1/11	2/2 each

Butchers' Bow Saw

Fig. 5050



Size	12	14	16	18	20	22	24 in.
Price, with Wing Nut	6/4	6/4	6/7	6/10	7/2	8/2	8/11 each
" Blades riveted in	5/4	5/4	5/7	5/11	6/8	7/3	7/9 "
" " only	9/-	10/-	10/9	11/9	12/6	13/6	15/- per doz.

Electricians' Brass Back Saw



Fig. 5967

PRICE 11/- per doz.

Jewellers' Brass Back Saw



Fig. 5966

Size	4	5	6 in.
PRICE	11/-	12/-	13/- per doz.

Lock Tooth Pad Saw Handle. Fig. 379



The Blade is securely locked in the handle by means of a knurled thumb screw.

PRICE (without blade) 1/4 each

Keyhole Saws and Pads. Fig. 5045



					Large	Small
PRICE, Beech, with blade					1/5	1/- each
" Boxwood "					2/5	" "
Straw Colour Blades.					Special Ground Thin to Hack.	
Size	8	9	10	11	12	14 in.
PRICE	3/-	3/-	3/-	3/6	3/5	4/- per doz.

Folding Saws. (Foreign)



Fig. 5074
Saw only

PRICE, 7/6 each.

Can be furnished with File, Saw-set and Handle, fitted in Leather Case, Artillery pattern.

Price on Application.

Disston's Saw Handles

(Made in U.S.A.)



Fig. 5053



Fig. 5054

Fig. 5053. For Saws	18-20	22-24	26	28 in.
Hand Saws, D7. Beech	—	2/6	2/6	2/6 each
" " D8. Apple	3/3	3/6	4/1	4/0 "
Fig. 5054. For Saws	8-10-12	14-16 in.		
Back Saws, Nos. 4 and 5	3/6	3/6	each	

English Saw Handles

Fig. 5056. Hand Saw, Beech	1/3 each
Fig. 5057. Tenon Saw	open 1/3 "
" " " " " " " "	closed 1/3 "

English Saw Screws

Fig. 5059

American type, Brass Screw and Nut.

PRICE, 1/6 per doz.

Electro Brassed Mild Steel

PRICE, 1/- per doz.



Disston's Saw Sets

(Made in U.S.A.)

"Monarch"

Adapted for Hand, Cross-cut, Circular, and all Small Saws.



Fig. 5063

For Saws 1/2 in. and wider.

PRICE, No. 2. Small	5/6 each
" No. 12. Medium	6/- "

Hand Fretsaw Frame



Fig. 5965

Fitted with Patent Clamps, out of which the Sawblade cannot possibly slip.
PRICE, 12 in. .. 2/6 each.

Fig. 5965 B

Fitted with Patent Lever, to secure correct tension. PRICE, 12 in. .. 3/0 each.
Larger sizes furnished to order.

Fret Saw Blades Fig. 5384 (Foreign)

Overall length, 5 in.				
No. 000-6	7-9	10-12	13	16
PRICE 6/-	7/-	11/-	12/-	14/- per gross
Nos. 000-6 suitable for wood only.				
7-16 " " metal "				

Disston's Saw Screws. Fig. 5058

(Made in U.S.A.)



No. 1 No. 2 No. 4 No. 8
Made from Wrought Brass (except No. 8)

		PRICE	
No. 1.	Centennial, Brass Screws	per doz.	per gross
" 2	" " " "	1/2	13/9
" 3	" " " "	1/3	14/9
" 4	Warranted Superior	2/5	28/5
" 4	Centennial, Brass Screws, Large		
" 4	Warranted Superior	2/7	31/-
" 8	Bright Steel	1/-	12/-

"Triumph" Fig. 5976



The principal feature is the use of two plungers operated by the two levers or handles; pressure on the lower lever forcing the lower plunger against the body of the saw, thus holding it rigidly in position and preventing slipping, whilst a continuation of the pressure on the upper lever operates upper plunger in setting the tooth. The saw is fitted with four bevelled surfaces, suitable for different series of teeth.

PRICES

No. 8 (large).	For Circular and Cross-cut Saws, 12 gauge and lighter	11/6 each
" 15 (medium).	For Circular and Cross-cut Saws, 14 gauge and lighter	8/- "
" 28 (small).	For Hand Saws, Back Saws, Web Saws, Narrow Band Saws, etc., 10 points to the inch and coarser	6/- "
" 280 (small).	For Hand Saws, Back Saws, Web Saws, Narrow Band Saws, etc., from 10 to 16 points to the inch	6/- "

2, WHITECHAPEL ROAD, LONDON, E. 1.

Saw Sets

"Roebuck" Saw Set

(Morrill Pattern)

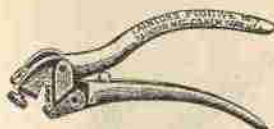
Fig. 5980



British Manufacture. For Hand and Tenon Saws.
PRICE, 4/3 each

Taintor Saw Set (Made in U.S.A.)

Fig. 6441



Made entirely of steel, all parts are interchangeable.
No. 7. PRICE, 6/6 each.

HAND Fig. 5067 (A, B & C)



A. Beech Handle. Plain End.

PRICE 1/4 each



B. Beech Handle. Turnscrew End.

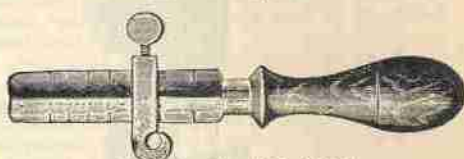
PRICE 1/5 each



C. Beech Handle. Forked Screw End.

PRICE 1/6 each

HAND Fig. 5068



Beech Handle. Slide Guard.
Single Edge, 2/4; Double Edge, 2/6 each.

PIT Fig. 5069



Iron Handle, Black.
5-gate, 2/4; 6-gate, 2/2 each.

PIT Fig. 5070



Iron Handle with Hook, Black.
PRICE 2/9 each

Saw Makers' Straight Edges

Bright Ground Tool Steel.
Length from 6 to 60 in.
Prices on Application.

Steel Faced Saw Makers' Anvils

Best Quality and Material.

Face is in one piece of cast steel, uniformly tempered.

Perfectly true surface, welded to a forged Iron Base. Any size made to order.

Prices on Application.

Saw Swages

(Jumpers or Upsetting Tools).

For swage or spread tooth saws.

Jaws carefully and effectively hardened.

Prices and Particulars on Application.

Saw Makers' Hammers

Forged from best Tool Steel.

Truly balanced and with highly polished faces, so as not to damage the most delicate plates.

Best Ash Handles.

Made in Sets comprising one each Dog Head, Cross Face and Twist Face Hammers.

Recommended for wide band saws and circular saws.

Prices and Particulars on Application.

Hand Saw Setting Hammers

Fig. 5968

Heads only, 2/3 each.

Carpenters' Braces



Best Quality

Fig. 5221U

Nickel-plated, with Ratchet Un-breakable head and grip. Ball-bearing head. Alligator Jaws.

Sweep	PRICE
8 in.	12/4 each
10 "	13/- "
12 "	13/4 "

Fig. 5221

Nickel-plated.

Fig. 5222

With hardwood head and handle, sweep and jaws of steel, ball-bearing head, new design registered grip.

With Ratchet.

Without Ratchet.

Sweep	PRICE	Sweep	PRICE
8 in.	11/3 each	8 in.	6/9 each
10 "	12/- "	10 "	7/6 "
12 "	12/3 "	12 "	7/9 "
14 "	12/6 "	14 "	8/- "

With teak head and handle. Ball-bearing head. Sweep and jaws of steel.

Fig. 5223. Polished, with Ratchet.

Sweep	PRICE
5 in.	8/3 each
8 "	8/3 "
10 "	9/- "
12 "	9/3 "

Fig. 5223 N.P. Nickel-plated, add 1/8 to the prices of Fig. 5223.

Fig. 5224. Polished, plain jaws. Without Ratchet

Sweep	PRICE
5 in.	3/3 each
8 "	4/- "
10 "	4/6 "
12 "	4/9 "

Fig. 5224A. Alligator jaws, nickel-plated, add 7/8 to prices of Fig. 5224

With Beechwood head and handle, sweep and jaws steel. Bright hexagonal grip and plain jaws.

Fig. 5392R

With Ratchet.

Sweep	PRICE
8 in.	7/- each
10 "	8/3 "
12 "	8/6 "

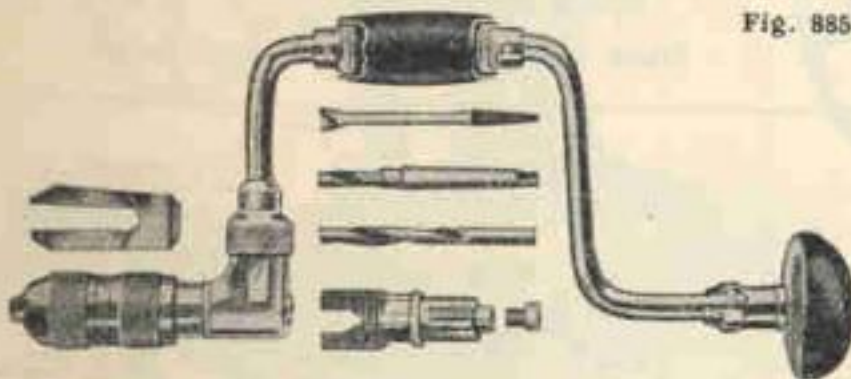
Fig. 5392

Without Ratchet

Sweep	PRICE
5 in.	2/6 each
8 "	3/- "
10 "	4/3 "
12 "	4/6 "

Carpenter's "Master" Brace

Fig. 885



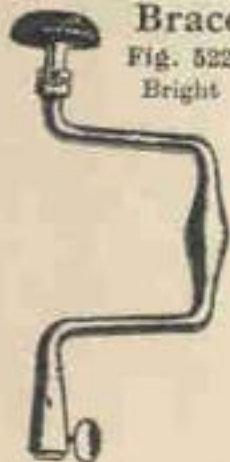
The handle and head are fitted with ball-bearings, and are made of an unbreakable material.

The chuck is of special design and will hold taper, parallel, or bit shanks, it has an Acme thread. Fitted with ratchet action.

Sweep	10	12	14 in.
PRICE.. .. .	16/6	16/8	16/10 each

Wagon Builder's Brace

Fig. 5225
Bright



Ball-bearing Head.
12 in. Sweep, 6/8 each
14 " " 7/- "

Gasfitter's Brace

Fig. 5228



Bright Iron Head
8 in. Sweep .. 5/- each

Wine Cooper's Brace

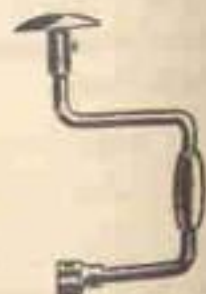
Fig. 5881



Wrought Iron Frame with Thumb Screw.
8 in. Sweep .. 7/3 each
10 " " .. 8/3 "

Blacksmith's Brace

Fig. 5227



Steel Sweep, Iron Head.
10 in. Sweep .. 6/- each
12 " " .. 7/- "

Millers Falls Carpenters' Braces (Made in U.S.A.)

Fig. 886

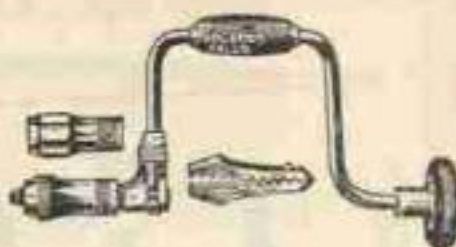


The most popular Ratchet Brace. Ratchet of new design, improved ratchet gear and pawls.

Stained hardwood head and handle. Exposed parts nickel-plated. Chuck with Alligator jaws.

No. 1601	12 in. Sweep	PRICE 8/4 each
" 1662	10 " "	" 8/4 "
" 1663	8 " "	" 8/4 "
No. 162, as above but polished instead of nickel-plated		
	10 in. Sweep	PRICE 8/4 each

Fig. 902

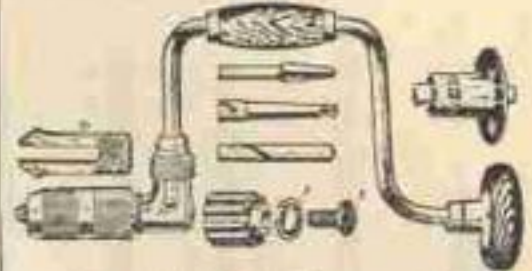


An inexpensive series for those whose work does not require the refinements of higher priced Braces.

Nickel-plated. Stained hardwood head and handle. Chuck with Alligator jaws. Ratchet semi-boxed. Plain bearing.

		PRICE
No. 421	12 in. Sweep	12/ each
" 422	10 " "	11/9 "
" 423	8 " "	11/9 "

Fig. 5240



The "Holdall" Brace. Cocobolo head and handle. Exposed parts polished and nickel-plated. Master Chuck will hold Bit Stock shanks, straight shank drills from 1/4 to 1/2 in., and No. 1 M.T. shank drills. A highly finished Ratchet Brace.

		PRICE
No. 730	14 in. Sweep	21/8 each
" 731	12 " "	21/3 "
" 732	10 " "	18/ "
" 733	8 " "	20/9 "

Fig. 6284



Exactly as Fig. 5240 with the one exception of the Ratchet, which is of the concealed type.

		PRICE
No. 8130	14 in. Sweep	25/ each
" 8132	10 " "	23/3 "
" 8133	8 " "	23/3 "

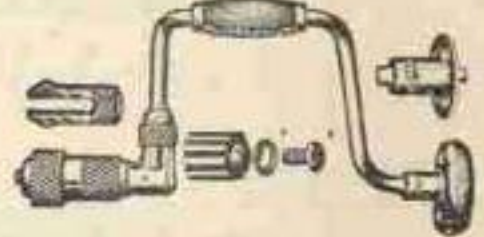
Fig. 5233



Jaws of forged steel, of Alligator pattern for Bit Stock shanks only. Ratchet is boxed pattern with dogs exposed. Head is ball-bearing. Cocobolo handles, other parts nickel-plated.

		PRICE
No. 30	14 in. Sweep	29/ each
" 31	12 " "	19/6 "
" 32	10 " "	19/3 "
" 33	8 " "	18/6 "
" 34	6 " "	18/3 "

Fig. 6281



A superior quality Ratchet Brace, with ball-bearing head and chuck. Jaws have parallel milled grooves, will hold bit shanks, round from 1/4 to 1/2 in. and No. 1 M.T. shanks. Concealed ratchet. Cocobolo head and handle. Other parts nickel-plated.

		PRICE
No. 769	16 in. Sweep	27/ each
" 770	14 " "	26/8 "
" 771	12 " "	26/3 "
" 772	10 " "	25/6 "
" 773	8 " "	25/6 "

Fig. 5235



This Ratchet Brace has ball-bearing head, open ratchet construction; steel chuck with forged steel alligator jaws. Sweep handle, has metal rings inserted. Head and handle are stained hardwood. Exposed metal parts are polished and nickel-plated.

No. 321	12 in. Sweep	PRICE 16/3 each
" 322	10 " "	" 15/9 "
" 323	8 " "	" 15/6 "
No. 223 As above, but without Ratchet, and head not ball-bearing. 8 in. Sweep		
		PRICE 8/9 each

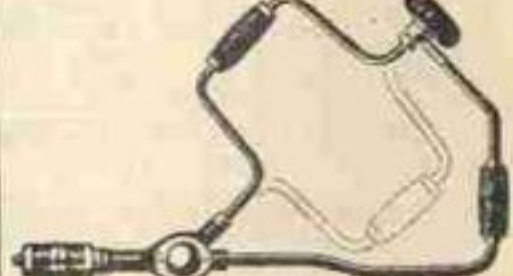
Fig. 5238



A plain Brace of quality. Cocobolo head and handle. Exposed metal parts nickel-plated. Barber Chuck with Alligator jaws. Ball-bearing head.

		PRICE
No. 12	10 in. Sweep	14/6 each
" 14	8 " "	14/ "
Similar to above with stained hardwood head and handle. Head not ball-bearing.		
No. 223	8 in. Sweep	Price 8/9 each.
Similar to No. 223, but lighter construction. Exposed parts polished.		
		PRICE
No. 141	12 in. Sweep	4/2 each
" 142	10 " "	3/9 "
" 143	8 " "	3/9 "

Fig. 4143



The purpose of this tool is to simplify the boring of holes in corners.

Ball-bearing head and free acting handle of hardwood. Master chuck capacity—bit shanks, round from 1/4 to 1/2 in., and No. 1 M.T. shanks. Gears case-hardened and enclosed. Exposed metal parts except hub are nickel-plated.

		PRICE
No. 302	10 in. Sweep	30/10 each
" 503	8 " "	30/ "



(Can be furnished Bright or Straw Coloured to order)

Fig. 5249 Fig. 5250 Fig. 5251 Fig. 5252 Fig. 5253 Fig. 5254 Fig. 5255 Fig. 5256 Fig. 5257 Fig. 5258 Fig. 5259 Fig. 5260 Fig. 5261 Fig. 5262

Size	..	..	..	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	2 in.
Black	..	..	..	$\frac{4}{8}$	$\frac{4}{8}$	$\frac{4}{8}$	$\frac{4}{8}$	$\frac{4}{8}$	$\frac{4}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{6}{8}$	$\frac{7}{8}$	$\frac{8}{8}$	$\frac{9}{8}$	$\frac{10}{8}$	$\frac{12}{8}$	16 doc.
Size	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2 $\frac{1}{2}$	2 $\frac{1}{2}$ in.
Black with two nicks	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23 $\frac{1}{2}$	30 doc.

Centre Plug Bits 1 1½ 1¼ 1½ 1½ in.	Centre Cock Bits 1½ 2 2½ 3 3½ in.
Fig. 5886 14/6 16/- 18/- 21/- 24/- doz.	Fig. 4157 20/- 22/- 24/- 28/- 33/- doz.

Size	..	..	..	..	..	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	Assd. $\frac{1}{2}$ to $\frac{1}{4}$ in.	
Shell or Pin Bite, Fig.	5251	..	..	..	..	6/8	6/8	4/8	4/8	4/8	4/8	4/8	5/8	5/8	5/8	7/8	8/8	5/8	dot.
Spoon	5252	..	..	..	..	6/8	6/8	4/8	4/8	4/8	4/8	4/8	5/8	5/8	5/8	7/8	8/8	5/8	—
Nose	5250	..	..	..	..	6/8	6/8	4/8	4/8	4/8	4/8	4/8	5/8	5/8	5/8	7/8	8/8	—	—
Sash	5253	..	..	..	..	—	—	—	—	—	5/8	—	5/8	—	8/8	6/8	—	—	—

Size	..	..	..	..	..	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1 in.
Fig. 5260	Turnscrew Bits,	Plain	4/	4/	4/8	5/8	6/8	8/8	8/8	10/	doz.
" 5261	" "	Forked	4/8	4/8	—	—	—	—	—	—	"
" 5257	Countersink Bits,	Flat	—	4/8	4/8	5/8	7/	9/	10/	10/	"
" 5259	" "	Snail	—	5/	5/	6/	9/	13/	16/	16/	"
" 5258	" "	Rose	—	5/	5/	7/	10/8	14/8	17/	17/	"

Prices on Application

Size up to	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$ in.
Flat or Square Tangs	7/6	7/9	9/9	11/3 doz.

Size	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{2}$
PRICE	6/9	7/6	9/-	9/9	10/6	12/9	13/6	15/- doz.

No.	1 and 2	3 to 18	19	20
	7/6	6/9	13/6	15/6 doz.

Up to	1	2	3	4
	7/6	9/6	11/6	13/6 (302)

	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{2}$ in.
Fig. 5262 Rimer Bits, Square ..	5 $\frac{1}{2}$	5 $\frac{5}{8}$	6 $\frac{5}{8}$	7 $\frac{5}{8}$	—	—	— doz.
5263 " Half-Round ..	5 $\frac{1}{4}$	5 $\frac{1}{2}$	5 $\frac{3}{4}$	12 $\frac{1}{2}$	16 $\frac{1}{2}$	20 $\frac{1}{2}$	24 $\frac{1}{2}$..
Boxwood handled Square Rimers, Bright ..	11 $\frac{1}{2}$	—	—	—	—	—	— "
Boxwood handled Taper Bits, Bright ..	—	—	—	13 $\frac{1}{2}$	—	—	— "

Up to Shell	.. ..	$\frac{1}{2}$	$\frac{5}{6}$	$\frac{7}{8}$	in. dia.
Twist	.. ..	$\frac{6}{8}$	$\frac{7}{8}$	$\frac{8}{8}$	"

ROSE TOOLS, INC.

Brace Bits

Gedge's Pattern Auger Bits. Fig. 5268



Size ..	..	..	..	in	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{15}{16}$	$\frac{1}{1}$	$\frac{11}{16}$	$\frac{13}{16}$	$\frac{15}{16}$			
PRICE ..	..	..	..	per dozen	24/-	24/-	18/-	18/-	18/-	20/-	22/-	24/-	27/-	30/-	34/-	38/-	43/-	48/-

Jennings' Pattern Auger Bits. Fig. 5269



Size			1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16	1	
Fig. 5269	Auger Bits	per dozen	24/-	24/-	18/-	18/-	18/-	20/-	22/-	24/-	27/-	30/-	38/-	44/-	50/-	56/-
5269A	Dowel Bits	"	23/6	23/6	17/6	17/6	17/6	19/6	21/3	23/3	-	-	-	-	-	-

Solid Wing Auger Bits. Fig. 5270



Size	in.	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16	1	2
PRICE	per dozen	18/-	18/-	18/-	18/-	20/-	22/-	24/-	27/-	30/-	34/-	38/-	43/-	48/-	66/-
Fig. 5270A Dowel Bits, 1/4 to 1/2 in.															

Solid Wing Auger Bits, Single Twist. Fig. 5272



Size	in.	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16	1	2
Fig. 5272 Auger Bits	per dozen	24/-	24/-	18/-	18/-	18/-	20/-	22/-	24/-	27/-	30/-	34/-	38/-	43/-	68/-
Fig. 5272A Dowel Bits, 1/4 to 1/2 in.															

Scotch Pattern Auger Bits. Fig. 5890



Size	in.	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	$\frac{7}{8}$	$\frac{15}{16}$	1
Fig. 5890 Auger Bits	per dozen	24/-	24/-	18/-	18/-	18/-	20/-	22/-	24/-	27/-	30/-	34/-	38/-	43/-
5890A Dowel Bits	"	23/6	23/6	17/6	17/6	17/6	19/6	21/3	23/3	-	-	-	-	-

Solid-Centre Stem Auger Bits. Fig. 5884. Solid Wing Nose



Size	in.	$\frac{1}{4}$ to $\frac{1}{2}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	$\frac{7}{8}$	$\frac{15}{16}$	1	$1\frac{1}{2}$	2	
Fig. 5884 Solid Wing Nose, per doz.		24/9	27/-	30/-	33/-	33/-	36/9	36/9	41/3	41/3	46/6	46/6	52/6	52/6	58/6	66/-
5884S Scotch Nose, and Fig. 5884G, Gedges pattern Nose.																

Prices as above.

Solid-Centre Irwin Pattern Nose Bits. Fig. 5885



Size	in.	1/4 to 1/2	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16	1	1 1/2	2
PRICE	per dozen	18/9	16/8	18/9	20/10	22/11	25/-	29/2	23/4	37/6	43/9	50/-	58/3	62/6	

Bright

Leadbeater's Pattern Wagon Bits. Fig. 5271

Length of Twist, 10 in



Size	in.	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4	13/16	7/8	15/16	1
PRICE	per dozen	26/-	26/-	26/-	26/-	29/-	32/-	35/-	38/-	41/-	44/-	48/-	53/-	

Can also be supplied with 12 in. Length of Twist

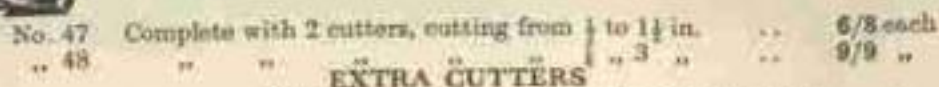
Wagon Builders' Plate Bits. Fig. 5891



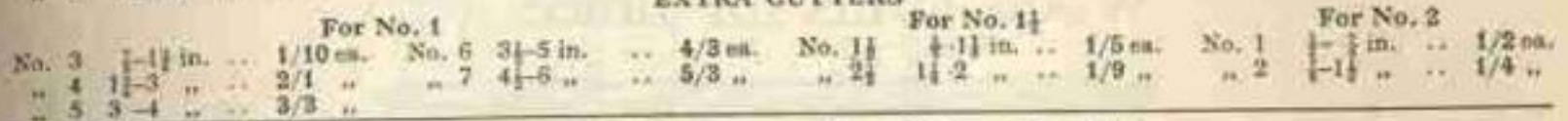
Size	in.	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8
PRICE	per dozen	28/-	30/-	33/-	36/-	39/-	42/-	48/-	52/-	56/-	62/-	69/-	72/-	75/-	80/-	90/-

2, WHITECHAPEL ROAD, LONDON, E.1.

Millers Falls Expansive Bits (Made in U.S.A.). Fig. 5294. (M. F. Nos. 47 and 48)



Clark's Improved Expansive Bits (Made in U.S.A.). Fig. 5283



Size	A	Complete with 2 Cutters, cutting from $\frac{1}{8}$ to $1\frac{1}{2}$ in.		6/- each.
"	B	" " " " " " " " " " " "		8/8 "

EXTRA CUTTERS

For A Size			For B Size		
No. 1	Cutting $\frac{1}{8}$ to $\frac{3}{8}$ in.	$\frac{1}{2}$ each.	No. 3	Cutting $\frac{1}{8}$ to $\frac{1}{4}$ in.	$\frac{1}{9}$ each.
" 2	" $\frac{1}{8}$ " $\frac{1}{4}$ "	$\frac{1}{3}$ "	" 4	" $\frac{1}{4}$ " $\frac{3}{8}$ "	$\frac{2}{3}$ "
					No. 5 Cutting $\frac{3}{8}$ to $\frac{1}{2}$ in. $\frac{3}{2}$ each.
					" 6 " $\frac{1}{2}$ " $\frac{5}{8}$ " $\frac{4}{2}$ "
					" 7 " $\frac{3}{4}$ " $\frac{5}{8}$ " $\frac{5}{1}$ "

Size	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$ in.
PRICE	6/3	6/3	6/3	7/3	7/3	8/- each.
Size	$\frac{1}{2}$	1	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$ in.
PRICE	9/6	10/-	11/6	12/6	14/-	14/6 each.

These Prices include Auger Bits.

Will cut from $\frac{1}{8}$ to $1\frac{1}{2}$ in., and give satisfaction. Any part can be replaced if broken, as it is all made to gauge.

PRICE	37/6 each.
Extra Cutters	3/9 per pair.

This Tool is the reverse of the countersink, and can be sharpened with equal ease.

PRICE, 2¹/₂ each.

This Countersink cuts rapidly, and is easily sharpened by drawing a thin file lengthwise inside of the cutter.

No. 18, 19/9 doz. No. 20, with gauge, 23/6 doz.

ROSE TOOLS, INC.

New Type Centre Bits

Fig. 5292



Sizes	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{7}{8}$	$2\frac{1}{4}$	2 in.	
PRICE	8/-	8/6	9/-	9/6	10/-	11/-	12/-	13/-	15/-	17/-	19/-	21/-	24/-	27/-	30/- per doz.

Brace Bits

Swiss Pattern Twist Bits

Fig. 5264



Sizes to	..	..	..	..	..	..	..	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$ in.
PRICE	..	..	..	..	..	..	..	4/-	5/-	5/-	6/-	6/-	6/- per doz.

Wood Drills for Brace

(Made in U.S.A.)



For full particulars, see Fig. 868 (Morse No. 392 and 393) Page 50.

Piercing Bits. Fig. 5892

49/6 per gross

Boat Bits. Fig. 5883

Length	..	..	4	5	6	7	8	9 in.
All sizes to 5 W.G.	..	..	3/9	4/2	4/11	6/-	7/6	9/- per doz.

Millers Falls Bit Gauges

(Made in U.S.A.)

Fig. 5289 (No. 1)

This illustration shows the Gauge complete. One bolt with thumb-screw tightens the clamps on the gauge spindle and auger bit at the same time. It will fit any size bit, and exactly gauge the depth of hole to be bored.

PRICE 17/6 doz.



Fig. 6291. (No. 2)

Similar to Fig. 5289, with the exception of contact ball revolving on ball bearings. This reduces friction to a minimum and prevents defacing material.

PRICE 2/- each

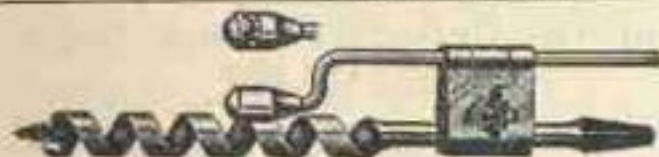


Fig. 6292. (No. 36)

This gauge is clamped to the twist of the bit and securely held by two thumb screws. Two smooth shoes prevent marring the work.

PRICE 1/8 each



Bit Countersink

Fig. 5290



This is adapted to attach to Shell Bits. With the Guard forms a very useful attachment. It will cut at both ends.

For	..	..	..	..	..	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$ in. Bits
PRICE, without Guard	..	..	..	..	..	3/6	3/6	3/9	4/11	5/3	6/3 each
.. with Guard	..	..	..	..	..	6/-	6/-	6/8	9/5	10/3	11/-



Millers Falls Screw Driver Bits

(Made in U.S.A.)

Fig. 6294. (Nos. 4-10)

Made from high grade steel carefully hardened and tempered. Points accurately formed.

No.	..	..	..	..	..	..	..	4	5	6	8	10
Width of point	..	..	..	..	..	..	..	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$
For Screw	..	..	..	..	..	..	..	6-8	8-12	12-16	16-20	20-24
PRICE per dozen, 4 in. long	..	..	..	..	..	..	..	12/-	12/6	13/-	13/6	15/-



Bright Scotch Screw Augers



Fig. 5294

Screw Augers																	
Size	1/4 to 1/2	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3 in.					
Fig. 5294, Eyed	1/11	2/3	2/8	2/11	3/3	3/8	4/2	4/6	5/	5/4	6/	6/5	7/1	10/6	13/4	18/4	23/8 each
" 5295, Tanged	1/6	1/9	2/2	2/5	2/8	3/	3/5	3/8	4/2	4/5	5/	5/4	5/11				

Gedge's Pattern Augers

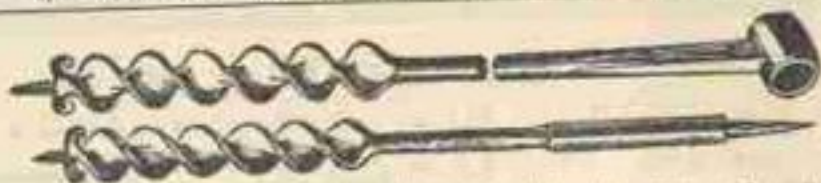


Fig. 5296

Fig. 5297

Size	1 to 1	1	1	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	2	2 1	2 1	2 1	3	in
Fig. 5296, Eyed	1/11	2/2	2/8	2/11	3/3	3/8	4/2	4/6	5/	5/4	6/	6/5	7/1	10/6	13/4	18/4	23/8	each
" 5297, Tanged	1/7	1/10	2/2	2/5	2/8	3/	3/5	3/9	4/3	4/8	5/3	5/6	6/2	8/	11/6	16/3	21/8	"

Solid Wing Augers



Fig. 5298

Size	1/4 to 1/2	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3 in.	
Fig. 5298, Eyed	1/11	2/3	2/8	2/11	3/3	3/8	4/2	4/6	5/	5/4	6/	6/5	7/1 each
" 5298A, Tanged	1/7	1/10	2/2	2/5	2/8	3/	3/5	3/9	4/3	4/8	5/3	5/6	6/2 "

Ladder Augers



Fig. 1569

Fig. 1570

Size	1/4	1	1 1/4	1 1/2	1 3/4	2 in.
Fig. 1569, Tanged	4/1	4/7	5/3	5/10	6/6	7/6 each
" " Eyed	5/3	5/10	6/8	7/6	8/8	9/8

Size	1/4	1	1 1/4	1 1/2	1 3/4	2 in.
Fig. 1570, Tanged	4/1	4/7	5/3	5/10	6/6	7/6 each
" " Eyed	5/3	5/10	6/8	7/6	8/8	9/8

Shell Augers



Fig. 5300

Size	1/4 to 1/2	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3 in.		
Fig. 5299, Eyed	1/	2/5	2/5	2/5	2/8	3/3	3/6	4/	4/5	5/4	5/10	6/8	8/6	10/10 each
" 5300, Tanged		1/6	1/5	1/6	1/9	2/3	2/6	2/10	3/2	3/10	4/2	5/	6/6	8/6

Dodd's Pattern Ship Augers



With Shanks left for welding

Fig. 5301

Size	$\frac{1}{4}$ to $\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3 in.
PRICE	1/5	1/9	2/3	2/6	2/10	3/2	3/10	4/2	5/-	6/6	8/6	each

Single Twist Ship Augers



Fig. 5302E

Size																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Adjustable Auger Handle (Made in U.S.A.)



Fig. 5303 (M.F. No. 2)

17 in. long, PRICE, 3/9 each

Turned Ash Auger Handles

Fig. 5910

12 in. long, tapered	1/4 to 1/2 in.				74 each
12 " " " "	1/2 " 1/2 "				74 "
13 " " " "	1 " 1/2 "				75 "
14 " " " "	1 1/2 " 1/2 "				76 "

BUCK & HICKMAN, LTD.,

Boring Machine Augers Fig. 1329

Suitable for Boring Machines, Figs. 5243 and 5244, $\frac{1}{2}$ in. diameter Shank.



Size ..	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2 in.
PRICE	3/6	3/6	3/6	3/10	4/6	5/3	5/11	6/8	7/4	8/4	9/9	11/2 ea.

Forstner Machine Auger Bits Fig. 5277

For Smooth, Round, Oval or Square Borings, etc.

Size	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1 in.
PRICE	5/-	5/5	5/10	6/3	6/6	6/11	7/4	8/9	ea.			
Size	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2 in.
PRICE	9/2	9/10	11/1	11/8	13/2	14/10	15/3	16/3	17/6	18/5	ea.	



$\frac{1}{2}$ in. diameter shank.

Machine Centre Bits Fig. 5249

$\frac{1}{2}$ in. diameter Shank.

Size	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2 in.
PRICE	1/10	1/11	2/-	2/2	2/3	2/6	2/8	2/11	3/4	3/10	4/3	4/8	5/4	6/8 each

Machine Boring Bit Fig. 1331



Unequalled on Ply Woods

This Tool has been designed to meet the demand for a fast, smooth Boring Bit suitable for boring with or across the grain. The broad point steadies the tool, the spurs outline the hole and the strong double cutters take out the portion outlined by the spur. This Tool cuts freely and without clogging. Holes can be bored overlapping or at close centres without danger of running or splitting.

It is an ideal Tool for Furniture Factories, Motor Body Builders, Carriage and Wagon Works.

All Tools $5\frac{1}{2}$ in. long overall.

PRICE each

Diameter .. in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{1}{2}$	3
With $\frac{1}{2}$ in. diam. shank ..	6/8	6/8	7/-	7/8	8/4	9/8	11/4	12/8	14/-	15/4	17/8	20/-	22/4	24/4	27/-	34/8	43/4	53/4	66/-
" $\frac{1}{2}$ " " " ..	7/8	7/8	7/8	7/8	8/4	9/8	11/4	12/8	14/-	15/4	17/8	20/-	22/4	24/4	27/-	34/8	43/4	53/4	66/-
" 1 " " " ..	11/4	11/4	11/4	11/4	11/4	11/4	11/4	12/8	14/-	15/4	17/8	20/-	22/4	24/4	27/-	34/8	43/4	53/4	66/-

Dovetailing Bits Fig. 1332

Single Cutting Edge



Double Cutting Edge



Can be supplied with single or double cutting edge, these edges are eccentrically precision relieved and the flutes are designed so that the cutting edges can be sharpened with a flat honing stone. Filing or Grinding, which quickly reduces size and life, should be avoided.

The above are only two of the many types in use at the present time. Bits with Screwed Shanks and all other types can be supplied.

Above show Right-hand cutting, but when ordering it is always advisable to send a pattern, if available, both for shank and direction of rotation.

No.	21	22	23	24	25	26	27	15	28	13	29	12	30	in.
Largest diameter ..	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	
Pitch or centres ..	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	
Depth of cut ..	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	
PRICE, $\frac{1}{2}$ in. diam. shank ..	6/3	6/3	6/3	7/-	7/-	6/3	7/-	5/6	5/6	5/6	5/6	8/3	9/-	9/- each
" Screwed shank ..	7/6	7/6	7/6	8/3	8/3	7/6	8/3	6/9	6/9	6/9	6/9	9/9	10/6	10/6 "

Same Price for either Single or Double Cutting Edge. Left-hand Cutting Bits are charged extra.

2, WHITECHAPEL ROAD, LONDON, E. 1.

Three-Wing Slot Mortice Bits for Wood

Fig. 2275



Diameter	in.	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in.
Length overall	in.	3	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$	6	6 $\frac{1}{2}$	7	7 $\frac{1}{2}$	8
Length of Shank	in.	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Straight Shanks	in. diameter	1/9	2/3	2/9	3/3	4/6	4/8	5/3	6/9	6/9	6/9	6/9 each.
Shanks, 1/2 in. diameter	in.	3/4	3/8	4/5	4/6	4/6	5/6	5/3	6/9	6/9	6/9	6/9
Diameter	in.	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in.
Length overall	in.	6 $\frac{1}{2}$	6 $\frac{1}{2}$	7	7 $\frac{1}{2}$	7 $\frac{1}{2}$	7 $\frac{1}{2}$	8	8	8	8	8
Length of Shank	in.	2	2	2	2	2	2	2	2	2	2	2
Straight Shanks	in. diameter	6/9	7/6	8/3	9/9	9/9	10/6	12/6	15/6	15/6	15/6	15/6 each.
Shanks, 1/2 in. diameter	in.	6/9	7/6	8/3	9/9	9/9	10/6	12/6	15/6	15/6	15/6	15/6
Diameter	in.	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in.
Length overall	in.	9	9 $\frac{1}{2}$	10	10 $\frac{1}{2}$	11	11 $\frac{1}{2}$	12	12	12	12	12
Length of Shank	in.	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	3	3	3	4	4	4	4	4
Straight Shanks	in. diameter	18/	22/	26/	31/	37/	44/	55/	55/	55/	55/	55/ each.
Shanks, 1/2 in. diameter	in.	18/	22/	26/	31/	37/	44/	55/	55/	55/	55/	55/

Two-Wing Mortice Bits for Wood

Fig. 1330

With Serrated Edge



For fast working, this Tool is without equal, the serrated edge "roughs" the mortice and the smooth edge cleans it up, leaving a smooth slot. This Tool does not require much power and if once tested is sure to be adopted.

All Shanks 2 in. long.

PRICE each

PRICE PER LBS.																						
Diameter	in.	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	3	4	
Length overall	in.	4	4	4	4	4	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	5	5	5	5	5	5	5	5	
Straight Shank	..	4/4	4/8	5/5	5/3	5/6	6/6	6/8	7/8	8/8	9/8	10/8	11/8	12/8	14/4	18/	22/	27/4	33/	38/4	42/8	50/
1 in. diam. Shank	..	5/	5/	5/3	5/6	5/8	6/	6/8	7/8	8/8	9/8	10/8	11/8	12/8	14/4	18/	22/	27/4	33/	38/4	42/8	50/
1 1/2 in. diam. Shank	..	6/	6/	6/	6/4	6/8	6/8	6/8	7/8	8/8	9/8	10/8	11/8	12/8	14/4	18/	22/	27/4	33/	38/4	42/8	50/
2 in. diam. Shank	..	10/	10/	10/	10/4	10/8	10/8	10/8	11/	11/	12/	12/	12/4	12/8	14/4	18/	22/	27/4	33/	38/4	42/8	50/

Machine Morticing Chisels



Self-Coring Type

Fig. 5921

Solid Type
Fig. 5920



Size on Cut	in.	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2 in.
Price, Fig. 5921	14/	14/	14/	14/	14/	14/	15/	15/4	17/3	19/4	21/4	23/4	26/8	31/	35/	40/	45/	50/	50/	50/ each
" " 5920	10/	10/	10/	10/	10/	10/	10/8	10/8	11/8	13/	14/4	17/	19/8	22/	24/	26/	28/8	32/	36/	36/

As there are so many different Morticing Machines with varying taper sockets, it is essential that correct measurements of the Taper Shank be given when ordering. Either send an old Chisel as a guide, or state exact size of Taper at each end, such measurements having been ascertained by means of a micrometer.

Pinned Shanks and Slotted Shanks are charged extra.

2, WHITECHAPEL ROAD, LONDON, E. 1.

Gimlets and Awls

Best Cast Steel Shell Gimlets

Fig. 5305. Assorted to $\frac{1}{2}$ in., 7/5 each; 4/2 doz.

Best Cast Steel Shell Spike Gimlets



Fig. 5306

Size ..	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$ in.
PRICE ..	5/6	9/-	11/-	18/-	24/- doz.

Best Cast Steel Twist Spike Gimlets

Fig. 5308



Size ..	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$ in.
PRICE ..	5/6	9/-	11/-	18/-	24/- doz.

Best Cast Steel Auger Gimlets

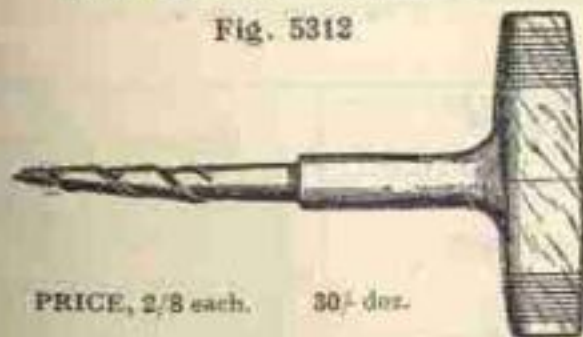
Fig. 5309



Size ..	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$ in.
PRICE ..	8/6	9/-	9/-	10/6	12/- doz.

Brewers' or Dock Frets

Fig. 5312



PRICE, 2/8 each. 30/- doz.

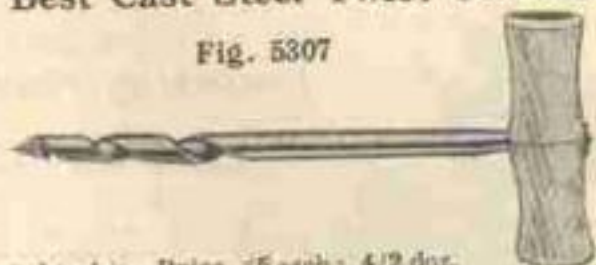
Bradawls. Fig. 5316



Ash or Beech Handled.
PRICE .. 7/4 each .. 3/9 doz.
Bradawl Blades 1/6 ..

Best Cast Steel Twist Gimlets

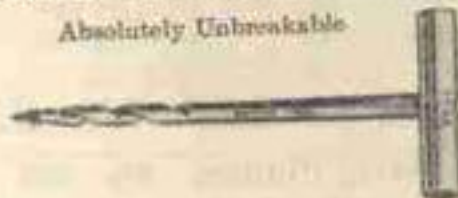
Fig. 5307



Assorted to $\frac{1}{2}$ in., Price, 7/5 each; 4/2 doz.

Steel Handle Gimlets Fig. 1408

Absolutely Unbreakable.



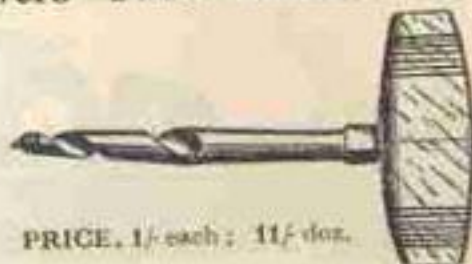
Size ..	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$ in.
PRICE ..	5/-	5/6	6/-	7/-	7/6	8/6	9/- doz.

Brewers' Shell Gimlets. Fig. 5310



PRICE, 1/- each; 11/- doz.

Brewers' Twist Gimlets. Fig. 5311



PRICE, 1/- each; 11/- doz.

Wine Frets

Fig. 5313



PRICE, 2/2 each; 24/- doz.

Bellhangers' Shell Gimlets Fig. 5314



Length ..	12	18	24	30	36 in.
Size $\frac{1}{8}$ or $\frac{1}{4}$ in. ..	1/1	1/2	1/3	1/4	1/6 each
" $\frac{1}{2}$ in. ..	1/2	1/3	1/4	1/6	1/8 "
" $\frac{3}{4}$ " ..	1/3	1/4	1/5	1/7	1/9 "

Flooring Awls. Fig. 5317

Ash or Beech Handled.

PRICE 6/- doz.

Flooring Awl Blades

PRICE .. 7/4 each .. 4/- "

Wood Bench Planes

Smoothing Planes



Fig. 5076

Width of Iron, up to	2	2 1/4	2 1/2	2 3/4	3	in.
A With Best Cast Steel, Brass Nuted, Double Irons	7/6	8/	8/6	9/6	10/6	each
B " Single Irons	5/	5/4	5/8	5/8	7/8	"
C " Best Cast Steel Double Irons and Movable Iron Front ..	17/	18/	19/	—	—	"
D " Best Cast Steel Double Irons and Iron Shoe Sole	21/	22/	23/	—	—	"
G " Gentle to 1 1/4 in., Single Iron	—	—	—	—	4/8	"
H " Casemakers' Low Pitch, to 2 in. Single Iron	—	—	—	—	6/8	"
Any of the above fitted with Parallel Irons	—	—	—	7/8	each, extra.	

Jack Planes. Fig. 5078



Width of Iron, up to	2	2 1/4	2 1/2	2 3/4	3	in.
A With Best Cast Steel, Brass Nuted Double Irons	9/6	10/	10/6	12/	12/	each
B " Single Irons	7/	7/	7/8	9/6	9/8	"
Fig. 5078G. Gentle Jack Plane, to 1 1/4 in., Single Iron	—	—	—	—	6/8	"
Fig. 5078J. Jack Badger Plane, to 2 1/4 in., Best C.S. Irons	—	—	—	—	19/	"

Compass Smoothing Planes

Fig. 5077

A With Best Cast Steel, Brass Nuted, Double Irons, 2 in.	5/8	each
B Do., and Screw Stop, 2 in.	17/	"
C Do., and Boxwood T Stop, 2 in.	17/	"
Fig. 5077H. Concave with Best C.S. Double Irons, 1 1/4 in.	8/6	"



Fig. 5076M. Best Smoothing Plane, to 2 1/4 in., Best C.S. Double Irons

15/

Technical or Sunk Handle Jack Planes

Fig. 5079



With Best C.S. Double Irons and Boxwood Striking Knob, to 18 in. long
Width of Iron, 2 in., 12/6 ; 2 1/4 in., 13/ ; 2 1/2 in., 13/8 each.

Fig. 5078P. Panel Planes to 16 in. long x to 2 1/4 in., C.S. Irons	13/	each
Square Mouth	13/	"
Do., do., if slipped	13/	"
Do., Skew Mouth	16/	"
Do., do., if slipped	16/	"

Trying Planes

Fig. 5080



Length of Stock	22	24	26	28	30	in.
Regular Width of Iron	2 1/4	2 1/2	2 3/4	2 3/4	3	"
With Best Cast Steel, Brass Nuted Double Irons	13/8	14/	15/	16/	17/	each
Standard Stock size. 22 in. x 2 1/4 in.						

Shuting Planes. Fig. 50871

A With Handle on side, square mouth, 22 in. long x 3 in., C.S. Single Iron	27/	each
B Do., do., but with Skew Mouth	31/	"
C Do., do., do., but with plate on face	48/	"

Coopers' Jointer Planes

See Coopers' Tools

Toothing Planes

Old Woman's Tooth Planes

Rabbit Planes



Fig. 5091

With one coarse or fine Iron, to 2 in., 5/6 each
Do., with 2 Irons 9/



Fig. 5087R

Router Pattern.

Price, without Iron, 5/6 each.



Fig. 5087S

Smoothing Pattern.

A Without Iron	4/6	each
B With Iron	5/6	"



Fig. 5086

Fig. 5086A	Square Rabbit	2 in.
Up to	11 12 13	2 1/2
PRICE	3- 4- 7-	8- each
Fig. 5086B	Skew Rabbit	
	Same Price	
Fig. 5086C	Side Rabbit	11, per set.

Wood Planes—continued

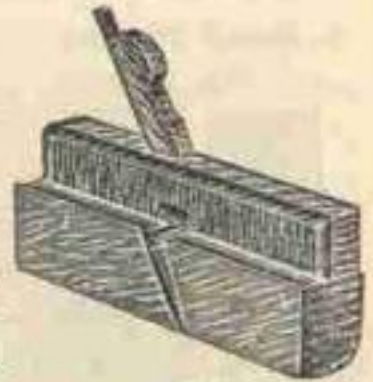
Hollow and Round Planes

Fig. 5082



Hollow Plane

A.	Square Mouth, to No. 15 or 1½ in.	..	8/8	per pair
B.	Skew Mouth " " "	..	9/8	"
	Every ½ in. above No. 15	..	7/8	per pair extra
A.	Square Mouth, Half Set of 9 pairs, 2 to 18	..	80/-	
	" " Full " 18 " "	..	160/-	
B.	Skew Mouth, Half Set of 9 pairs, 2 to 18	..	89/-	
	" " Full " 18 " "	..	178/-	
	Side Rounds	..	9/4	per pair



Round Plane

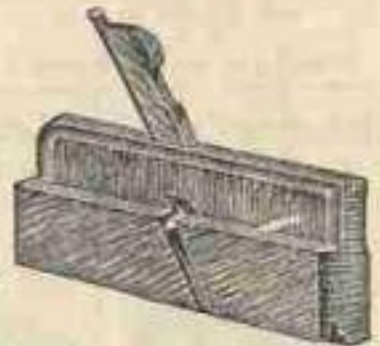
Grooving or Match Planes

Fig. 5081



Grooving Plane
Fig. 5081 A or C.

		To ½ ¾ 1 inch	
A.	Tonguing and Grooving Planes	11/- 11/8 12/-	per pair
B.	Do. do. with Solid Handles	24/- 25/- 26/-	"
C.	Grooving Plane for Drawer Bottoms, with steel plate	 right hand, 6/-	each
	" " " " left	 6, 6	"
D.	Moving Tonguing and Grooving, with 3 pairs irons, 26/-	pair	



Tonguing Plane.

Plough Planes

Fig. 5085



Fig. 5085 A

O.	Plough Plane, with screw stop and 8 bright irons,	30/-	ea.
A.	" " capped stems and 8 bright irons,	35/-	"
B.	" " improved stop, extra work on fence and with 8 bright irons,	42/-	"
C.	" " beech screw stems, with 8 bright irons	46/-	"
D.	" " box screw stems, with 8 bright irons	54/-	"

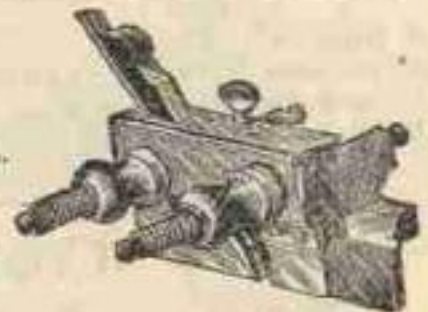
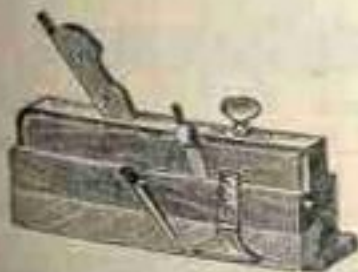


Fig. 5085 D

Moving Filletster Planes

Fig. 5084



A.	Moving Filletster Plane, brass slip stop, with tooth and boxed	 18/-	ea.
B.	" brass screw stop, shoulder boxed and forked tooth	 20/-	"
C.	" as B., but with improved fence	.. 21/6	"
D.	" as C., but dovetail boxed	.. 29/-	"

Sash Filletster Planes

Fig. 5083



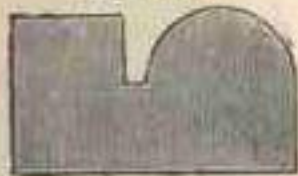
A.	Sash Filletster, wood stop	 13/-	ea.
B.	" brass screw stop	 19/-	"
C.	" " and capped stems	 24/-	"
D.	" shoulder boxed, left-hand, forked tooth and improved stop	 36/-	"
E.	" as D., but with dovetailed boxwood face	42/-	"
	Boxwood Fence	 4/-	each extra.

Moulding Planes

Diagrams shew the Pattern of Mould produced. Other patterns to order.

Bead Planes

Fig. 5096



- A Bead Plane, Boxed to $\frac{1}{2}$ in. 5/- each
 B Bead Plane, Slipped to $\frac{1}{2}$ in. 6/- each
 C Bead Plane, Double boxed, to $\frac{1}{2}$ in. 6/- each
 D Bead Plane, Double boxed and slipped to $\frac{1}{2}$ in. 7/- each
 Every $\frac{1}{4}$ in. above, 7/6 extra

Cabinet Ovalo Planes

Fig. 5098A



- Ovalo Plane, to $\frac{1}{2}$ in. 5/- each
 Every $\frac{1}{4}$ in. above, 7/6 extra
 Ovalo Plane, Solid Boxed to $\frac{1}{2}$ in. 7/- each

Cabinet Ogee Planes

Fig. 5098B



- Ogee Plane, to $\frac{1}{2}$ in. 5/- each
 Every $\frac{1}{4}$ in. above, 7/6 extra

Quirk Ogee Planes

Fig. 5099



- Quirk Ogee Plane, to 1 in. 7/- each
 Every $\frac{1}{4}$ in. above, 7/8 extra

Reed or Centre Bead Planes

Fig. 5097



- All sizes to $\frac{1}{2}$ in. reeds Each
 A Single reed 6/8
 B Two reeds 7/8
 C Three reeds 9/-
 Bevelled Quirks, 7/6 extra

Lamb Tongue Sash Planes

Fig. 5101



- With Templates
 To $\frac{1}{2} \times 1\frac{1}{2}$, $1\frac{1}{2}$ or 2 in., 16/- pair
 Every $\frac{1}{4}$ in. above, 1/- pair extra

Ovalo Sash Planes

Fig. 5102



- A With templates, to $\frac{1}{2} \times 1\frac{1}{2}$, $1\frac{1}{2}$ or 2 in. 14/- pair
 B With improved brass end templates, to $\frac{1}{2} \times 1\frac{1}{2}$, $1\frac{1}{2}$ or 2 in. 24/- pair
 Every $\frac{1}{4}$ in. above, 1/- pair extra

Ovalo Sash Templates

Fig. 5102T



3/- pair

Stick Traps

Fig. 5960

- With one Cutter and Plated Mouth, 30/- each

Coachmakers' Planes and Routers

T Rabbet Plane

Fig. 5103



- Each
 A Straight, to $1\frac{1}{2}$ in. 8/-
 B Dovetail Boxed Face 12/-

Fig. 5104 Compacted

- A Compacted, to 11 in. 9/-
 B Dovetail Boxed Face 13/-
 Every $\frac{1}{4}$ in. over $1\frac{1}{2}$ in. 7/6 extra

Coach Door Rabbet Planes

- Fig. 5105A Square Mouth, 6/- each
 5105B Skew Mouth, 6/6 ..

Coach Door Smooth Plane

Fig. 5106



- 9/6 each
 If Plated at Mouth, 13/6 each

Coach Door Jack Plane

Fig. 5107

- To 2 in. 13/- each
 If Plated at Mouth 17/- ..

Boxing Router

Fig. 5110



- With Iron 7/- each

Beading Router

Fig. 5109



- With one pair irons 16/- each
 Extra Irons, 2/6 per pair

Jigger Router

Fig. 5111



24/- each

London Pattern Fence Router

Fig. 5114 (Left Hand)



- With Thumbcrew, 32/- per pair

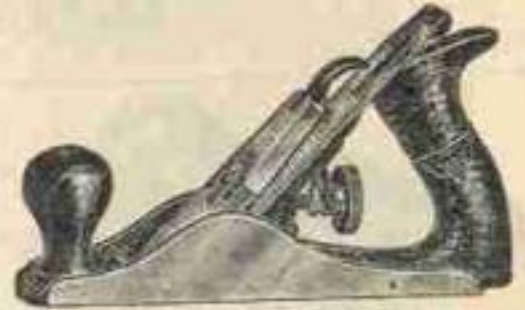
Millers Falls Adjustable Iron Planes (Made in U.S.A.)

Bottoms and frogs of these planes are of fine grey iron castings, suitably ribbed to prevent springing. Plane irons are special crucible cast steel. Handles and knobs of selected rosewood.
 Plane bottoms bright finish on bottom and sides with top enamelled black. Frogs enamelled red. Lever cap polished and nickel-plated.
 Lever cap of two-piece design clamping the plane iron securely to the frog and preventing chattering. One-piece lateral adjusting lever of pressed metal.

Fig. 6455

Smoothing

Handles and Knobs selected
 Rosewood.
 End and Side adjustment of
 cutters.



										PRICE	13/6 each
No. 7.	Length, 7 in.;	Cutter, 1½ in. wide.	Weight, 2½ lb.	..	..	..	..	..	..	..	12/3
" 8.	" 8 ";	" 1½ "	" 3½ "	..	..	..	..	..	..	..	12/9
" 8C.	As No. 8, but with corrugated bottom			..	..	..	..	..	..	..	12/6
" 9.	Length, 9 in.;	Cutter, 2 in. wide.	Weight, 3½ lb.	..	..	..	..	..	..	..	15/6
" 10.	" 10 ";	" 2½ "	" 4½ "	..	..	..	..	..	..	..	13/6
" 9C.	As No. 9, but with corrugated bottom			..	..	..	..	..	..	..	15/9
" 10C.	" 10. "	" "	" "	..	..	..	..	..	..	..	

Jack

										PRICE	16/3 each
No. 11.	Length, 11½ in.;	Cutter, 1½ in. wide.	Weight, 3½ lb.								15/6
" 14.	" 14 ";	" 2 "	" 4½ "								18/-
" 15.	" 15 ";	" 2½ "	" 6½ "								10/-
" 14C.	As No. 14, but with corrugated bottom										19/-
" 15C.	" 15 "	" "	" "								



Fore

No. 18.	Length, 18 in.;	Cutter, 2½ in. wide.	Weight, 6½ lb.	PRICE	20/- each
" 18C.	As No. 18, but with corrugated bottom			"	21/-



Jointer

										PRICE	25/- each
No. 22.	Length, 22 in.;	Cutter, 2½ in. wide.	Weight, 8½ lb.								30/-
" 24.	" 24 ";	" 2½ "	" 9½ "								25/6
" 22C.	As No. 22, but with corrugated bottom										31/-
" 24C.	" 24 "	" "	" "								

Millers Falls Adjustable Block Planes (Made in U.S.A.)

Fig. 6456

End and side adjustment of cutters. Adjustable throat.

Japanned Trimming

No. 16.	Length, 6 in.;	Cutter, 1½ in. wide.	Weight, 1½ lb.	PRICE	8/- each
" 17.	" 7 ";	" 1½ "	" 1½ "	"	10/-



Nickel Trimming

										PRICE	10/9 each
*No. 26.	Length, 6 in.;	Cutter, 1½ in. wide.	Weight, 1½ lb.								11/6
" 27.	" 7 ";	" 1½ "	" 1½ "								11/6
" 36.	" 6 ";	" 1½ "	" 1½ "								12/6
" 37.	" 7 ";	" 1½ "	" 1½ "								



* These Planes have Caps same shape as Nos. 16 and 17.

Millers Falls Adjustable Block Planes (Made in U.S.A.)

Fig. 6456 (continued)

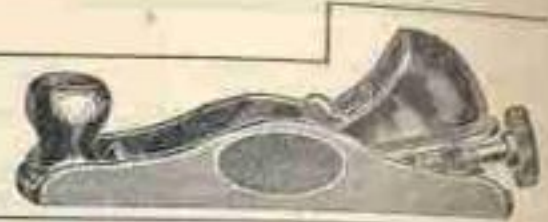
Low Angle. Adjustable Throat

				PRICE
No. 56.	Length, 6 in. ;	Cutter, 1½ in. wide.	Weight, 1½ lb.	9/6 each
" 57.	" 7 " ;	" 1½ " "	" 1½ "	10/9 "
		Nickel Trimming		
No. 46.	Length, 6 in. ;	Cutter, 1½ in. wide.	Weight, 1½ lb.	11/- each



Low Angle. Adjustable Throat

No. 47. Length, 7 in. ; Cutter, 1½ in. wide. Weight, 1½ lb.
Nickel trimming. PRICE 13/- each



Low Angle. Non-Adjustable Throat

No. 66. Length, 6 in. ; Cutter, 1½ in. wide. Weight, 1½ lb.
Nickel trimming. PRICE 10/- each



Block and Rabbet Plane

No. 07. Length, 7 in. ; Cutter, 1½ in. wide. Weight, 1½ lb.
Japan trimming. PRICE 10/9 each
Changed from a Block to a Rabbet Plane by removing sides.
Has a skew cutter.

Lever Adjustment

No. 55. Length, 5½ in. ; Cutter, 1½ in. wide. Weight, ¾ lb.
PRICE 4/2 each



Lever Adjustment

No. 97. Length, 7 in. ; Cutter, 1½ in. wide. Weight, 1½ lb.
PRICE 5/10 each

Screw Adjustment

No. 75. Length, 7 in. ; Cutter 1½ in. wide. Weight, 1½ lb.
PRICE 5/10 each



Screw Adjustment

No. 45. Length, 5½ in. ; Cutter, 1½ in. Weight, 1½ lb.
PRICE 6/6 each

Non-Adjustable. Fig. 6456 N

No. 5. Length, 5½ in. ; Cutter, 1½ in. wide. Weight, ¾ lb.
PRICE 2/9 each

No. 5



No. 87. Length, 7 in. ; Cutter, 1½ in. wide. Weight, 1½ lb.
PRICE 3/9 each

2, WHITECHAPEL ROAD, LONDON, E. 1.

Millers Falls Non-adjustable Block Planes (Made in U.S.A.)

Fig. 6456N (continued.)



No. 33

No. 3



No. 3. Length, 3½ in.; Cutter, 1 in. wide.
" 33. " 3½ " " 1 " "

Weight, ¾ lb.

PRICE 2/- each

1/9 "

No. 68. Height, 8 in.; Cutter 1½ in. wide. Weight, 1½ lb.

PRICE 6/6 each

With two Slots and two cutter seats



Millers Falls Scrub Planes Fig. 6457

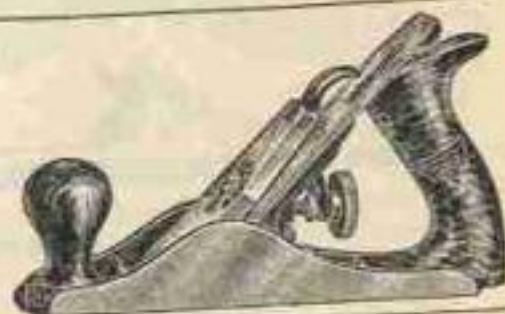
Handles and knobs of hard wood. Cutter extra heavy with round cutting edge.

No. 9½. Length, 9½ in.; Cutter 1½ in. wide. Weight, 2½ lb.

PRICE 8/6 each

No. 10½. Length, 10½ in.; Cutter 1½ in. wide. Weight 2½ lb.

PRICE 10/6 each

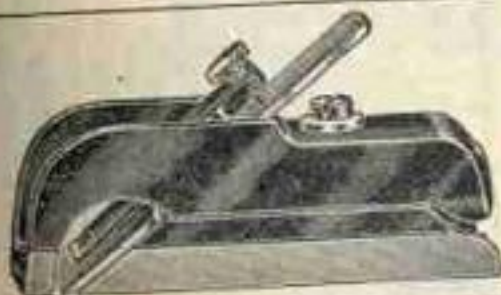


Millers Falls Bull Nose Rabbet Planes Fig. 6458

Especially adapted for working in close quarters. Japanned finish.

No. 4. Length, 4 in.; Cutter 1 in. wide. Weight, ½ lb.

PRICE 2/6 each

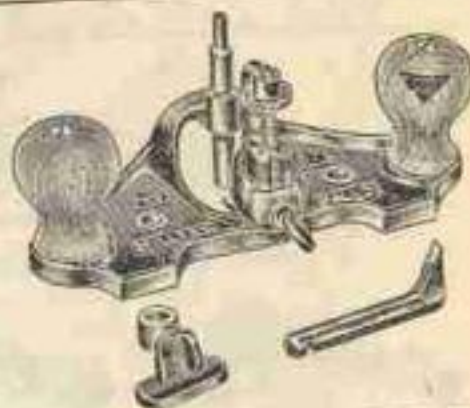


Millers Falls Router Planes Fig. 6459

No. 67. Length, 7½ in.; two Cutters (one each, ¼ and ½ in.), nickel plated. Weight, 2½ lb.

PRICE 15/- each

Cutters can be held on front of cutter post for regular work or on back for bull nose work. An attachment is furnished for closing throat for narrow surface work and regulating depth of cut.

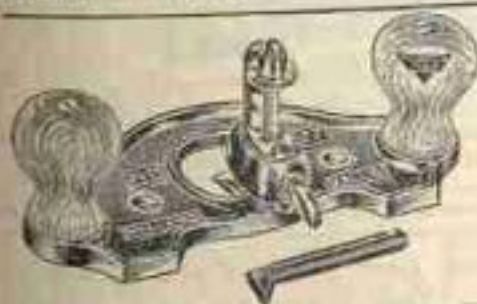


Millers Falls Router Planes

Fig. 6459a

No. 77. Length, 7½ in.; two Cutters (one each, ¼ and ½ in.), nickel plated. Weight, 2½ lb.

PRICE 12/- each



Millers Falls Scraper Planes, Double Handle, Fig. 6460

No. 64. Length, 6½ in.; Cutter, 2½ in. Japanned. Rosewood handle. Weight, 3½ lb.

PRICE 18/9 each

With Wood Bottom

No. 65. Length, 6½ in.; Cutter, 2½ in. Japanned. Weight, 4 lb.

PRICE 25/9 each. Extra Rosewood bottoms 2/3 each.



2, WHITECHAPEL ROAD, LONDON, E.1.

Stanley Rule and Level Co.'s Adjustable Planes (Made in U.S.A.)

"Bailey" Planes. Fig. 5118



No. 4. "Bailey" Smooth Plane

The "Bailey" Plane as now made gives the cutter a firm resting place on the frog, which rests on machined surfaces, and is fastened by two screws to bosses cast in bottom of plane, on either side of a very strong rib, making in effect one solid piece from cap to bottom.

"Bed-Rock" Planes. Fig. 5852

The bottom of the frog is machined so as to make it a tongue which fits into a groove formed in the bottom of the Plane, ensuring great solidity and perfect alignment. Screw adjustment for opening or closing the throat.

The Cutters are the same in both planes, made of a thin parallel steel of high quality.



No. 602. "Bed-Rock" Smooth Plane



No. 6. "Bailey" Fore Plane

"Bailey" Lever Caps .. 2/1 each



No. 605. "Bed-Rock" Jack Plane

"Bed-Rock" Lever Caps .. 2/6 each



With Corrugated Bottoms

"C" added to number denotes this type.

Prices as below

Iron Planes, with Rosewood Handles and Knobs

				"Bailey." Fig. 5118				"Bed-Rock" Fig. 5852			
Smooth,	5 1/2 in. long,	1 1/2 in. Cutter	..	No. 1	12/6	—	—	No. 602	14/6	—	—
"	7 1/2 " "	1 1/2 " "	..	" 2	13/6	—	—	" 603	14/9	No. 603 C	15/9
"	8 " "	1 1/2 " "	..	" 3	12/3	No. 3 C	12/9	" 604	16/3	" 604 C	17/
"	9 " "	2 " "	..	" 4	12/6	" 4 C	13/6	" 604 1/2	18/9	" 604 1/2 C	19/9
"	10 " "	2 " "	..	" 4 1/2	15/6	" 4 1/2 C	16/9	" 605	18/9	" 605 C	19/9
Jack	14 " "	2 1/2 " "	..	" 5	15/6	" 5 C	16/	" 605 1/2	21/6	" 605 1/2 C	23/6
"	15 " "	2 1/2 " "	..	" 5 1/2	18/	" 5 1/2 C	18/	" 606	24/6	" 606 C	25/6
Fore,	18 " "	2 1/2 " "	..	" 6	20/	" 6 C	21/	" 607	27/6	" 607 C	28/9
Jointer,	22 " "	2 " "	..	" 7	25/	" 7 C	25/6	" 608	32/6	" 608 C	34/3
"	24 " "	2 1/2 " "	..	" 8	30/	" 8 C	31/				

Plane Irons. Fig. 5119

To suit above Planes

Size	1 1/2	1 1/2	1 1/2	2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2 in.
PRICE, Single	1/6	1/9	2/3	3/3	2/6	2/9	2/9	2/9	2/9 each
" Double	2/9	3/3	3/3	3/9	4/	4/3	4/3	4/3	4/6 "

Block Planes. Fig. 5120



Nos. 9 1/2 and 15				Nos. 9 1/2 and 15 1/2			
No. 9 1/2.	Japan Trimmings,	6 in. long,	1 1/2 in. Cutter	8/	each		
" 15.	"	7 " "	1 1/2 " "	10/	"		
" 16.	Nickel	6 " "	1 1/2 " "	10/9	"		
" 17.	"	7 " "	1 1/2 " "	11/6	"		
Cutters, 21/- per doz.; Lever Caps, Nos. 9 1/2, 15, 7/9;							
Nos. 16, 17, 1/3 each							

Low Angle Block Planes. Fig. 5122



No. 60							
No. 60 1/2.	Japan Trimmings,	6 in. long,	1 1/2 in. Cutter	9/6	each		
" 65 1/2.	"	7 " "	1 1/2 " "	10/9	"		
" 60.	Nickel	6 " "	1 1/2 " "	11/	"		
Cutters, 21/- per doz.; Lever Caps, No. 60 1/2, 60, 1/3; No. 65 1/2, 7/9 ea.							

Knuckle-Joint Block Planes

Fig. 5121 (Nos. 18 and 19)



Nickel Fittings							
No. 18.	6 in. long,	1 1/2 in. Cutter	..	11/6	each		
" 19.	7 " "	1 1/2 " "	..	12/6	"		
Cutters, 21/- per doz.; Lever Caps, 3/- each							

Knuckle-Joint Low Angle Block Plane Fig. 5869 (No. 65)



No. 65.	Nickel Trimmings,	7 in. long,	1 1/2 in. Cutter	13/-	each
Cutters, 21/- per doz.; Lever Caps, 3/- each					

Stanley Block Planes (Made in U.S.A.)

Fig. 5124. (Nos. 101, 100, 102, 103, 110, 120, 220, 203, 130)



No. 101. 3½ in. long, 1 in. Cutter.
PRICE 1/9 each
Extra Cutters, 6/- per doz.; Lever
Caps, 7/6 each



No. 100. With Handle. 3½ in. long.
1 in. Cutter. PRICE 2/- each
Extra Cutters, 6/- per doz.; Lever
Caps, 7/6 each



No. 102. 5½ in. long, 1½ in. Cutter.
PRICE 2/6 each
Extra Cutters, 12/- per doz.
No. 103. Lever adjustment, 5½ in.
long, 1½ in. Cutter. PRICE 3/9 each
Extra Cutters, 12/- per doz.
Lever Caps, 7/9 each



No. 110. 7 in. long, 1½ in. Cutter. PRICE ... 3/6 each
Extra Cutters, 15/- per doz.
No. 120. Lever adjustment, 7 in. long, 1½ in. Cutter.
PRICE 5/6 each
Extra Cutters, 21/- per doz. Lever Caps, 7/9 each



No. 220. Screw adjustment, 7 in. long, 1½ in. Cutter.
PRICE 5/6 each
Extra Cutters, 21/- per doz. Lever Caps, 7/9 each



No. 203. Screw adjustment, 5½ in. long, 1½ in. Cutter.
PRICE 6/6 each
Extra Cutters, 21/- per doz. Lever Caps, 7/9 each



No. 130. Double end, 8 in. long, 1½ in. Cutter.
PRICE 6/6 each
Extra Cutters, 15/- per doz. Lever Caps, 7/9 each

Adjustable Double-end Block Plane

(Made in U.S.A.)

Fig. 5123
(No. 131)



Will reverse, as indicated in illustration.
No. 131. Japan Trimming, 8 in. long, 1½ in. Cutter, 11/3 each.
Extra Cutters, 21/- per doz.; Lever Caps, 7/9 each

Block and Rabbit Plane (Made in U.S.A.)

Fig. 5135
(No. 140)



Skew Cutter.
A detachable side changes it from a Block to a Rabbit Plane.
No. 140. Japan Trimming, Rosewood Knob, 7 in. long, 1½ in.
Cutter. PRICE 10/9 each
Extra Cutters, 27/- per doz. Lever Caps, 1/3 each

Bull-Nose Rabbit Plane (Made in U.S.A.)

Fig. 5125. (No. 75)



Adjustable mouth, Japanned. 4 in.
long, 1 in. Cutter. PRICE 2/3 each
Extra Cutters, 21/- per doz.;
Lever Caps, 7/9 each

Victor Adjustable Circular Plane

(Made in U.S.A.)



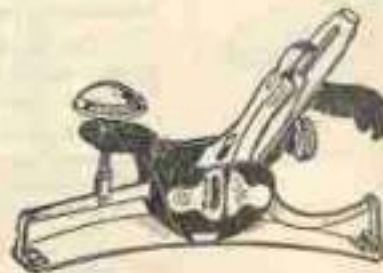
Fig. 5126. (No. 20)

The face is fastened at
each end to the Plane
body and adjusted by
a screw at the centre.
This construction gives
great strength.

Japanned, 10 in. long, 1½ in. Cutter. PRICE 27/- each
Extra Cutters, as Fig. 5119, p. 636. Lever Caps, 2/- each

Stanley Adjustable Circular Plane (Made in U.S.A.)

Fig. 5127. (No. 113)



Left Side



Right Side

By means of the graduated scale on the gears, the face can be
accurately set to an arc either concave or convex.

Japanned, 10 in. long, 1½ in. Cutter. PRICE 27/- each
Extra Cutters, as Fig. 5119, p. 636. Lever Caps, 2/- each

Stanley Planes (Made in U.S.A.)

Side Rabbet Planes

Fig. 5134. (Nos. 98 and 99).



Right Hand



Left Hand

For side rabbeting in trimming dados, mouldings and grooves of all sorts. A reversible nose-piece gives the tool a form whereby it will work close up into corners. Fitted with depth gauge.

Rosewood knob. Nickel plated

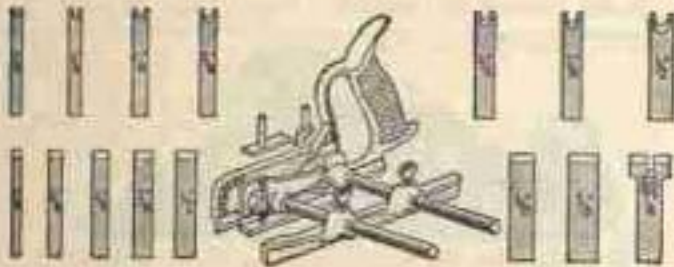
No. 98. Right Hand, 4 in. long, $\frac{1}{2}$ in. Cutter. PRICE 8/9 each

" 99. Left " " " " " 8/9 "

Cutters for above, 21/- per doz. Lever Caps, 7/9 each

Beading and Matching Plane

Fig. 5145. (No. 50).



A small combination Plane for light work. Adapted for plough, beading, matching, and rabbet work. Fitted with Spurs, Depth Gauge and a Fence, having 5 in. adjustment.

Fifteen Cutters as follows:—7 Plough and Dado, $\frac{1}{4}$ to $\frac{1}{2}$ in.; 7 Beading, $\frac{1}{4}$ to $\frac{1}{2}$ in.; 1 Tonguing, $\frac{1}{4}$ in.

No. 50. 9 $\frac{1}{2}$ in. long, nickel plated. PRICE .. 30/- each

Cutters for above, 14/6 per Set.

Carriage Makers' Rabbet Plane

Fig. 5129. (Nos. 10, 10 $\frac{1}{2}$, and 10 $\frac{3}{4}$).



Adjustable Cutters, Rosewood Handles, and Knobs

No. 10 $\frac{1}{2}$. 9 in. long, 2 $\frac{1}{2}$ in. Cutter. PRICE .. 21/6 each

" 10. 13 " " 2 $\frac{1}{2}$ " " " 23/- "



Handle and Knob arranged to tilt

No. 10 $\frac{1}{2}$. 13 in. long, 2 $\frac{1}{2}$ in. Cutter. PRICE .. 35/- each

Cutters, as Fig. 5119, p. 636. Lever Caps, 2/- each

Duplex Rabbet Plane and Filletster

Fig. 5142. (No. 78).

Has two seats for the cutter, one for regular and the other for bull-nose work, also spur and removable depth gauge. The adjustable fence can be used on either side and slides under the bottom.



To work as a rabbet plane, remove fence and arms

No. 78. 8 $\frac{1}{2}$ in. long, 1 $\frac{1}{2}$ in. Cutter. PRICE .. 10/6 each

Cutters for above 21/- per doz. Lever Caps, 7/9 each

Stanley Shute Board and Plane

Fig. 5139. (No. 52.)

This combination (sometimes called a "Jack Board") is particularly valuable for pattern makers, cabinet makers, printers, picture framers, electrotypers, and amateurs.

The board is made of special iron, is of ribbed construction and has an adjustable runway, accurately machined for the plane.

The swivel is indexed at forty-five and ninety degrees, but can be locked at any angle between zero and ninety degrees, the quadrant being graduated between these points.

The swivel is fitted with a sliding back that can be adjusted close to the plane, supporting the work to the edge and preventing splintering. It is further provided with a sliding back clamp, designed to hold any shaped work in position.

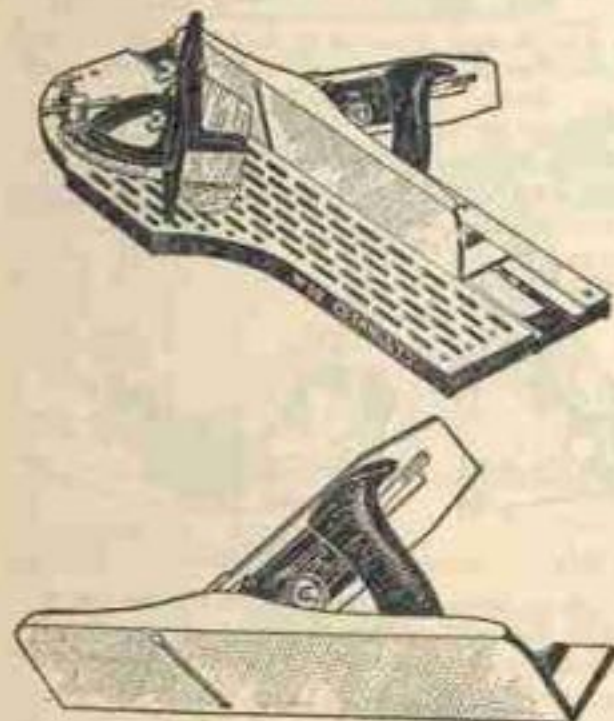
The plane is specially constructed for the board, and has rosewood handle and knob.

The cutter is fitted with the regular "Bailey" adjustment for depth of cut, has a lateral adjustment, giving any ordinary draft to a pattern, and being set on a skew, will make a very smooth, clean cut.

No. 52. 22 in. long, complete with plane .. PRICE 88/6 each

" 51. Plane only, 15 in. long, 2 $\frac{1}{2}$ in. Cutter .. 35/6 "

Cutters for above, as Fig. 5119, p. 636. Lever Caps, 2/- each



Stanley Planes (Made in U.S.A.)

Skew Cutter Combination

Fig. 5147 (No. 46)



For Plow, Dado, Filletster, Matching and Rabbit work
Fitted with spurs, depth gauge and fence with Rosewood face.

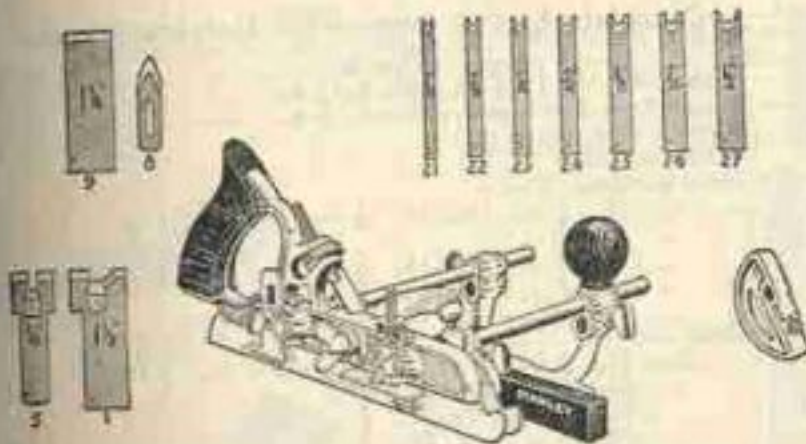
This tool is accompanied by eight Plow and Dado bits ($\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and $1\frac{1}{4}$ in.), Filletster Cutter, $1\frac{1}{2}$ in.; Slitting Cutter and a Tonguing Cutter, $\frac{1}{2}$ in.

No. 46. Nickel plated, with 12 tools, bits, etc. PRICE 50/- each

Cutters for above, 16/9 per set

Stanley "Forty-Five" Plane (Made in U.S.A.)

Fig. 5148 (No. 45)



This Plane embraces (1) Beading and Centre Beading Plane; (2) Rabbit and Filletster; (3) Dado; (4) Plow; (5) Matching Plane; (6) Sash Plane; and (7) a superior Slitting Plane. Each plane is fitted with adjustable fence or guide and depth gauge, and also with spurs for use in working across the grain. This Plane can be used right or left hand.

Each Plane has seven Beading tools ($\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $1\frac{1}{4}$, $1\frac{3}{4}$, and $2\frac{1}{4}$ in.), eleven Plow and Dado bits ($\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $1\frac{1}{4}$, $1\frac{3}{4}$, and $2\frac{1}{4}$ in.), a Slitting Blade, a Sash tool, a $1\frac{1}{2}$ in. Filletster Blade and two Tonguing tools ($\frac{1}{2}$, $1\frac{1}{2}$ in.).

Cutters are listed on following page with prices.

No. 45. Nickel plated, with 23 Tools, Bits, etc. PRICE 60/- each

No. A45. Aluminium, with 23 Tools, Bits, etc. PRICE 83/9 each

Of the Cutters for Plane No. 55 (next page), Nos. 2, 28, 29, 31, 32, 33, 34, 35, 36, 37, 38, 212, 213, 214, 215, 222, 223, 224, 225, 232, 233, 234 and 235, in addition to the 21 sold with the Plane, will work in Plane No. 45. The other Cutters for No. 55 cannot be used in No. 45.

Hollows and Rounds for "Forty-Five" Plane

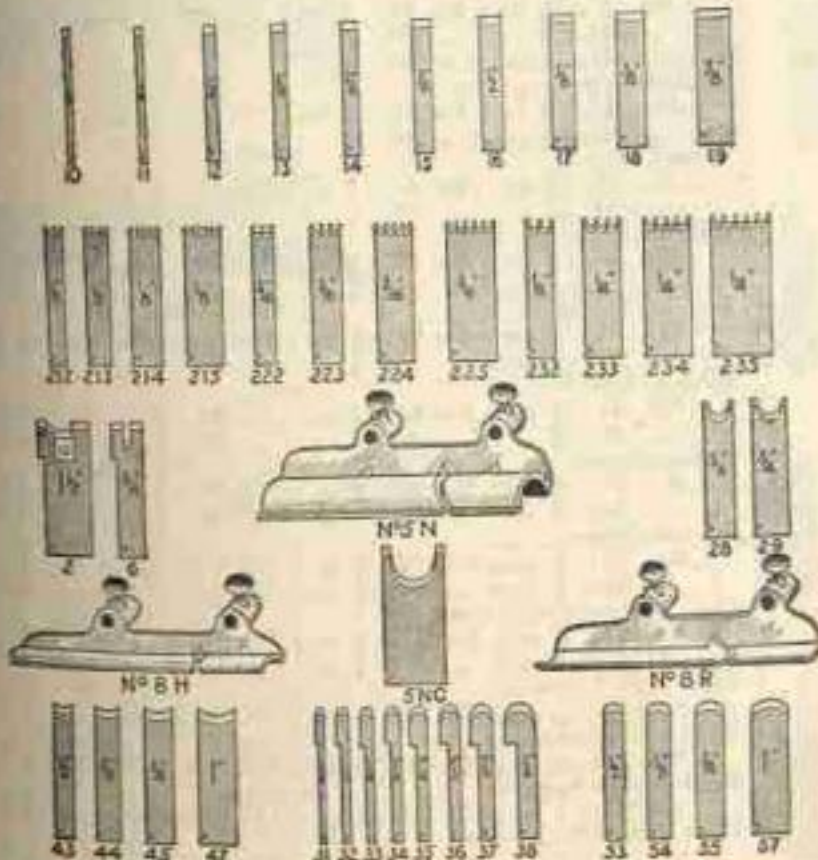
By substituting a specially formed detachable bottom for the sliding section, Cutters known as "Hollows" and "Rounds" may be used to advantage. A special bottom is required for each size of these tools. The following sizes can be furnished.

No.	Size	Circle	PRICE per pair
No. 6.	$\frac{1}{4}$ in. Cutter works a segment of a $\frac{1}{4}$ in. circle		10/-
" 8.	$\frac{1}{2}$ " " " " " " " " " " " "	$\frac{1}{2}$ " "	10/-
" 10.	$\frac{3}{4}$ " " " " " " " " " " " "	$\frac{3}{4}$ " "	11/-
" 12.	1 " " " " " " " " " " " "	1 " "	11/-

Cutters for above, 29/3 per set

Nosing Tool for "Forty-Five" Plane

No. 5. $1\frac{1}{2}$ in. Cutter (attach same as above). PRICE 8/- ea.



Stanley Universal Plane

Fig. 5149. (No. 55)

(Made in U.S.A.)

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

In addition to being a Beading and Centre Beading Plane, Plough, Dado, Rabbet, Filletster, Match Plane, Sash Plane and Slitting Plane, is also a superior Moulding Plane, and will accommodate Cutter of almost any shape or size.

The regular equipment sent with the plane comprises 55 Cutters: Nos. 1, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 32, 34, 35, 38, 40, 41, 43, 44, 46, 47, 53, 54, 55, 57, 62, 64, 73, 75, 82, 84, 86, 93, 95, 102, 104, 106, 113, 115, 212, 222, 232. These Cutters, together with the Plane and all its attachments, are packed in a neat substantial box.

In addition to the above, 41 additional Cutters are listed and can be furnished to order. The complete list of 94 Cutters is given below.

All metal parts of the Plane are Nickel-plated. The handle and fences are made of selected rosewood, and every part is well finished.

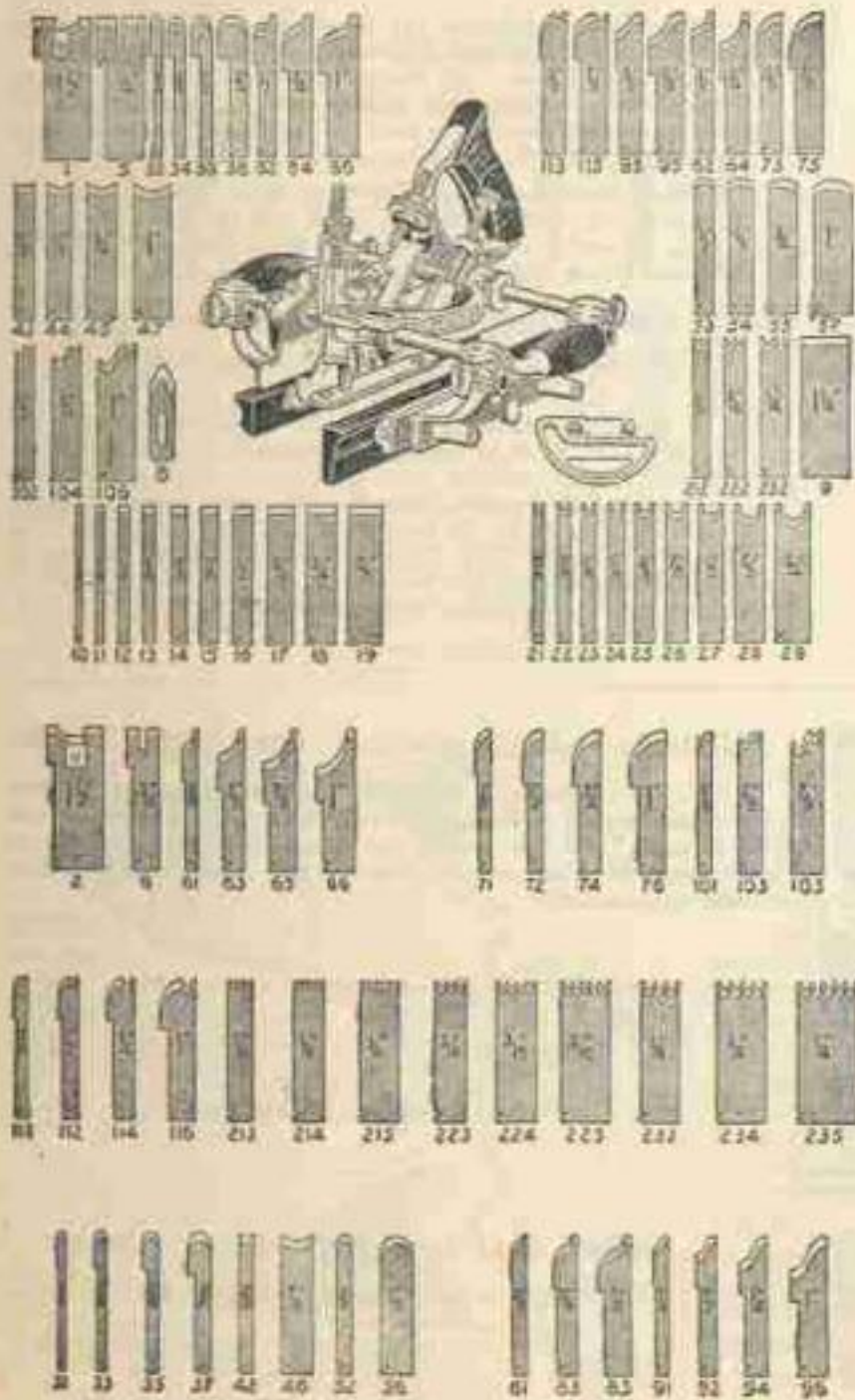
No. 55. Complete with attachments and 55 Cutters, as above.

PRICE £6 10 0 each.



Complete List of Cutters for Universal Plane

No. 55			each
Sash Tools, No. 1, 1 1/2 in.	No. 2, 1 1/2 in.		4/3
Match Tool, No. 5, 1/2 in.	No. 6, 1/2 in.		4/3
Slitting Tool, No. 8			2/6
Filletster, No. 9			2/-
Plow and Dado Tool—			
No. 10, 1 in.	No. 11, 1 in.	No. 12, 1 in.	1/3
" 13, 1 in.	" 14, 1 in.	" 15, 1 in.	1/3
" 16, 1 in.	" 17, 1 in.	" 18, 1 in.	1/9
" 19, 1 in.	" 20, 1 in.	" 21, 1 in.	1/9
Bead Tool—			
No. 22, 1 in.	No. 23, 1 in.	No. 24, 1 in.	1/3
" 25, 1 in.	" 26, 1 in.	" 27, 1 in.	1/9
" 28, 1 in.	" 29, 1 in.	" 30, 1 in.	2/6
Fluting Tool—			
No. 31, 1 in.	No. 32, 1 in.	No. 33, 1 in.	2/6
" 34, 1 in.	" 35, 1 in.	" 36, 1 in.	2/6
" 37, 1 in.	" 38, 1 in.	" 39, 1 in.	2/6
Hollow Tool—			
No. 42, 1 in.	No. 43, 1 in.	No. 44, 1 in.	1/9
" 45, 1 in.	" 46, 1 in.	" 47, 1 in.	1/9
Round Tool—			
No. 52, 1 in.	No. 53, 1 in.	No. 54, 1 in.	1/9
" 55, 1 in.	" 56, 1 in.	" 57, 1 in.	1/9
Quarter Hollow—			
No. 61, 1 in.	No. 62, 1 in.	No. 63, 1 in.	3/9
" 64, 1 in.	" 65, 1 in.	" 66, 1 in.	4/3
Quarter Round—			
No. 71, 1 in.	No. 72, 1 in.	No. 73, 1 in.	3/9
" 74, 1 in.	" 75, 1 in.	" 76, 1 in.	4/3
Reverse Ogee—			
No. 81, 1 in.	No. 82, 1 in.	No. 83, 1 in.	3/9
" 84, 1 in.	" 85, 1 in.	" 86, 1 in.	4/3
Roman Ogee—			
No. 91, 1 in.	No. 92, 1 in.	No. 93, 1 in.	3/9
" 94, 1 in.	" 95, 1 in.	" 96, 1 in.	4/3
Grecian Ogee—			
No. 101, 1 in.	No. 102, 1 in.	No. 103, 1 in.	3/9
" 104, 1 in.	" 105, 1 in.	" 106, 1 in.	4/3
Quarter Round with Bead—			
No. 111, 1 in.	No. 112, 1 in.	No. 113, 1 in.	3/9
" 114, 1 in.	" 115, 1 in.	" 116, 1 in.	4/3
Reed Tool, 2 Beads—			
No. 212, 1 in.	No. 222, 1 in.	No. 232, 1 in.	1/9
Reed Tool, 3 Beads—			
No. 213, 1 in.	No. 223, 1 in.	No. 233, 1 in.	2/6
Reed Tool, 4 Beads—			
No. 214, 1 in.	No. 224, 1 in.	No. 234, 1 in.	3/3
Reed Tool, 5 Beads—			
No. 215, 1 in.	No. 225, 1 in.	No. 235, 1 in.	4/3



"Record" Adjustable Iron Planes

Fig. 602

With warranted best crucible cast Tungsten Steel Cutting Irons. End and side adjustment of cutters. Rosewood handles and knobs. Caps and small screws nickel-plated.



Nos. 02-04

Nos. 05-08

Plane No.	Type	Length in.	Width of Cutter in.	Weight lb.	PRICE each	Spare Irons	
						Single each	Double each
02	Smooth	7½	1½	2½	12/-	1/9	3/3
03	Smooth	8	1½	3½	12/3	2/3	3/9
04	Smooth	9	2	3½	12/6	2/3	3/9
04½	Smooth	10	2½	4½	15/6	2/9	4/3
05	Jack	14	2	4½	15/8	2/3	3/9
05½	Jack	15	2½	6½	18/-	3/9	4/3
06	Fore	18	2½	7½	20/-	2/9	4/3
07	Jointer	22	2½	8½	25/-	2/9	4/3
08	Jointer	24	2½	9½	30/-	2/9	4/3

The above Planes can be supplied with "Stay Set" Cap Irons at same prices. For extra Irons, Prices on application. They can also be supplied with Corrugated Bases. Prices 02-05 inclusive, 1/- each list price extra. Nos. 05½, 06, 1/8 each list price extra. Nos. 07, 08, 2/- each list price extra.

"Record" Block Planes Fig. 603

PRICES AND DIMENSIONS



No. 0102



No. 09½



No. 0220

No.		Length in.	Width of Cutter in.	Price each	Spare Irons
0110	Non-Adjustable ..	7	1½	3/6	1/-
0120	Adjustable ..	7	1½	5/6	1/6
0220	Adjustable ..	7	1½	5/6	1/6
0230	Adjustable ..	6	1½	9/6	1/6
0130	Knuckle Joint ..	6	1½	9/6	1/6
0102	Double End, Non-Adjustable ..	8	1½	6/-	1/-
018	Non-Adjustable ..	5½	1½	2/6	7/9
019	Adjustable Mouth, Knuckle Joint ..	6	1½	11/6	1/6
09½	Adjustable Mouth, Knuckle Joint ..	7	1½	12/6	1/6
015	Adjustable Mouth ..	6	1½	8/-	1/6
016	Adjustable Mouth, Nickel-plated ..	7	1½	10/-	1/6
017	Adjustable Mouth, Nickel-plated ..	6	1½	10/9	1/6
		7	1½	11/6	1/6



No. 0110



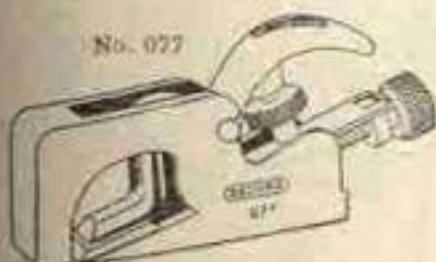
No. 018



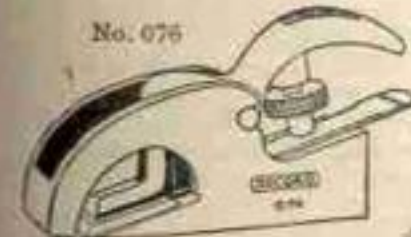
No. 016

"Record" Rabbit Planes Fig. 604

Nos. 072-074



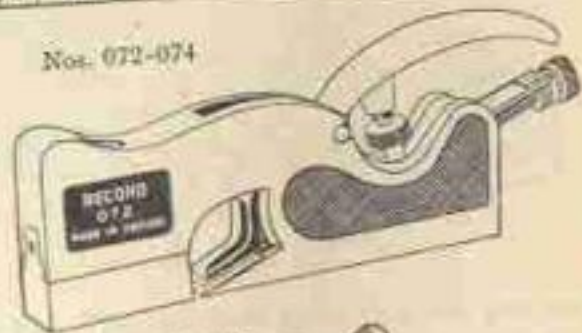
No. 077



No. 076

No.	Length in.	Width of Cutter in.	Price each	Spare Irons each
*041	5	1	11/6	—
*042	8	1	16/6	—
072	8½	1½	19/6	2/-
073	8½	1½	22/6	2/3
074	8½	1½	25/6	2/6
075	4	1	2/3	1/6
076	4	1½	5/6	1/4
077	4	1½	9/6	1/5
1077A	4	1½	10/6	1/6

* As Nos. 072-074 but Non-Adjustable Mouth.
† As No. 077, but with Detachable Nose

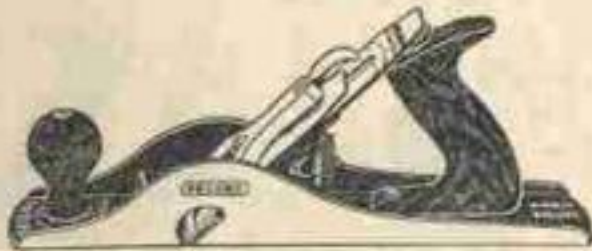


No. 075



"Record" Rabbet Plane

Fig. 605



No.	Length in.	Width of Cutter in.	PRICE each	Spare Irons	
				Single each	Double each
0104	8	2½	21/6	2/6	4/-
010	13	2½	23/-	2/6	4/-

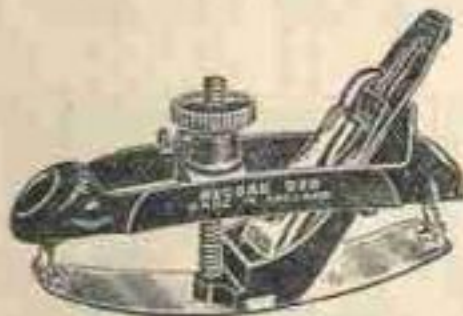
"Record" Duplex Rabbet and Filletster Plane

Fig. 606



No. 078.	8½ in. long, 1½ in. Cutter	PRICE	10/6 each
	Extra Cutters	.. ..	1/9 ..

No. 020



"Record" Circular Planes

Fig. 607

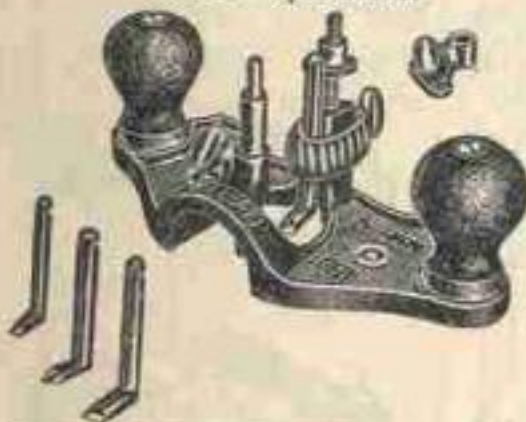
No.	Length in.	Width of Cutter in.	PRICE each
020	10	1½	26/-
0113	10	1½	26/-

Extra Cutters, Single, 2/3 each;
Double, 3/3 each

No. 0113



No. 071. Open Throat



"Record" Router Planes

Fig. 608

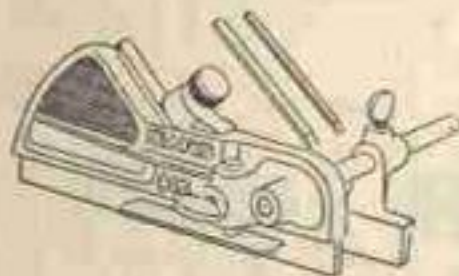
Supplied with Improved Adjust-
able Fences, and three cutters, ¼ in.,
½ in. and smoothing.

	PRICE
No. 071. 7½ in. long ..	15/- each
No. 071½. 7½ in. long ..	12/- ..
Extra Cutters	2/6 ..

No. 071½. Closed Throat



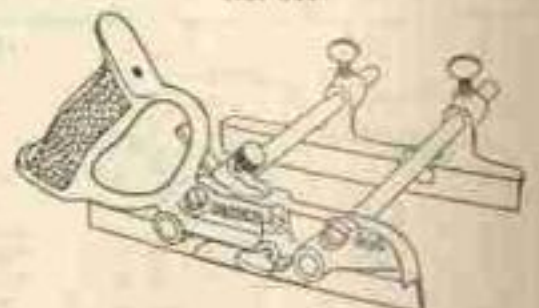
No. 043



"Record" Plough Planes

Fig. 609

No. 044



No. 043, with 3 Tungsten Steel Cutters (¼, ½, ¾ in.) Rustless Plated					
This plane is suitable for grooving for Plywood Panels, etc. It is fitted with adjustable guide and fence and will cut grooves ¼ in. deep up to 3 in. from edge.					
PRICE complete .. 9/6					
Additional cutters for grooving panels of ¾ thickness.					
Size	..	..	4	6	9 12 ¾ wide
PRICE	..	..	1/3	1/3	1/9 1/9 each

No. 044 with 8 Tungsten Steel Cutters (¼, ½, ¾, 1, 1½, 2, 2½, 3 in.) Rustless Plated					
Fitted with Adjustable Depth Gauge and Fence, and will cut grooves ¼ in. deep up to 5 in. from edge.					
PRICE complete .. 17/6					
Additional cutters for grooving Panels of ¾ thickness.					
Size	..	..	4	6	9 12 ¾ wide
PRICE	..	..	1/3	1/3	1/9 1/9 each

No. 050

"Record" Light Combination Plane

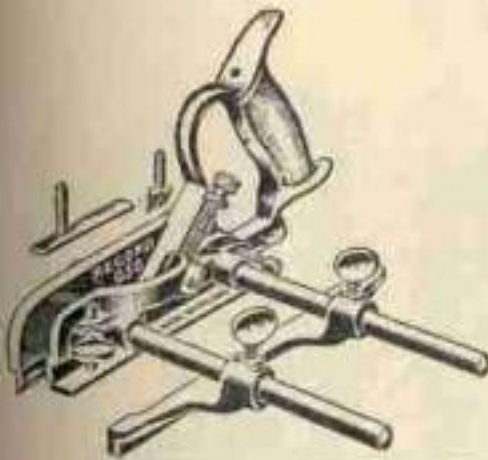
With 15 Cutters

Fig. 610

This Plane will perform most planing operations generally required in cabinet making and joinery, viz.:—Plough, Dado, Beading, Centre Beading, Rabbet and Filletster, and Tonguing and Grooving.

Fitted with spurs for cross-grain work, adjustable depth gauge and fence, beading stop, and shaving deflector when tonguing.

No. 050	As illustrated	.. .. .	PRICE, complete	27/6
" 050A	As above with the addition of a narrow cutter, clamping bracket and two additional cutters, viz.: $\frac{1}{8}$, $\frac{1}{16}$ in.		PRICE, complete	30/-



"Record" Multi-Plane

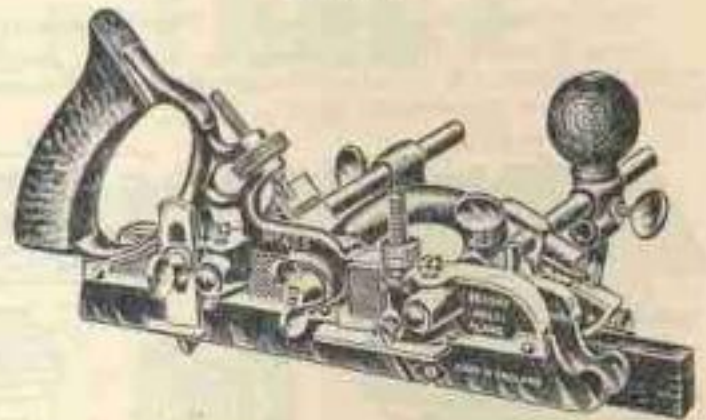
Fig. 611

This Combination Plane is furnished with a set of 23 Cutters and will perform many planing operations.

It has:—Screw adjustment to the Cutter.
Screw adjustment to the Fence.
Screw adjustment to the Depth Gauge.
2 Sets Arms (long and short).
Beading Stop.
Slitting Cutter Stop.
Sliding Section Depth Gauge.
Cam Steady.
Spurs for cross-grain work

PRICE, complete with 23 Cutters £3 0 0

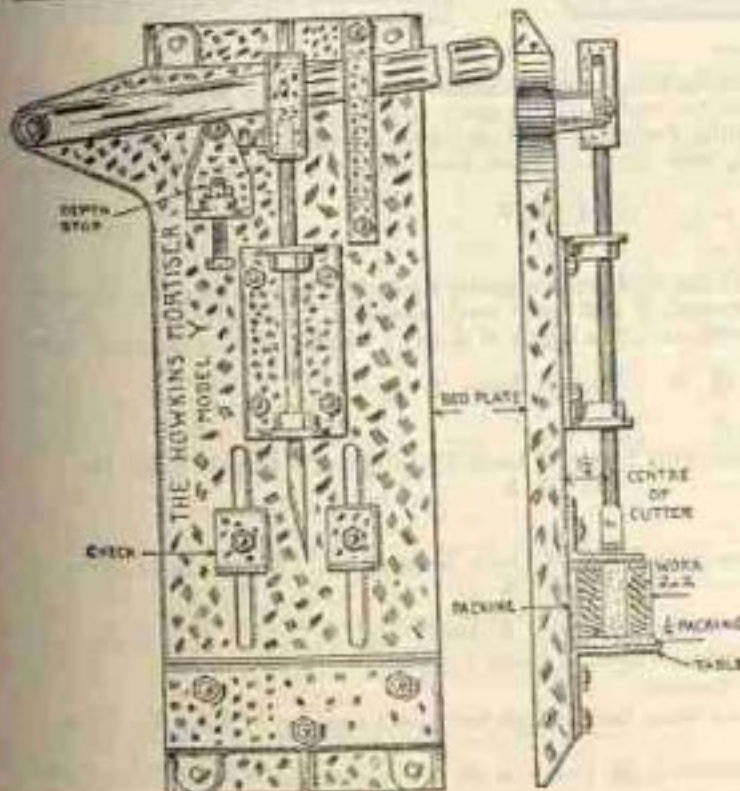
No. 405



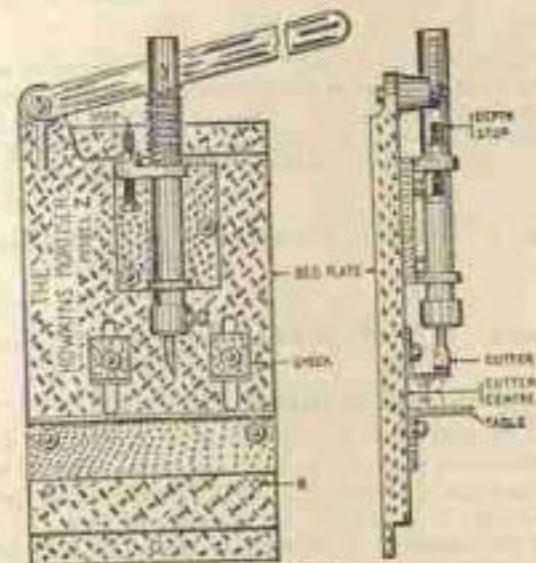
The Howkins Mortiser

Fig. 638

Entirely British



Model Y



Model Z

This machine will cut a $\frac{1}{2}$ in. or $\frac{3}{4}$ in. mortise with centre $1\frac{1}{2}$ in. from edge of timber and 2 in. deep. The Stroke is 2 $\frac{1}{2}$ in. Table 2 $\frac{1}{2}$ in. wide. Cutters (3), $\frac{1}{8}$ and $\frac{1}{16}$ in. working to a depth of 2 in.; $\frac{1}{4}$ in. to 1 $\frac{1}{2}$ in., are included. Overall dimensions 24 x 21 x 3 $\frac{1}{2}$ in. Weight, 30 lb.

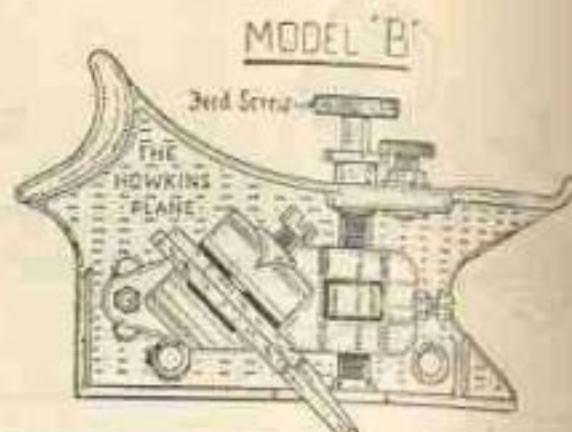
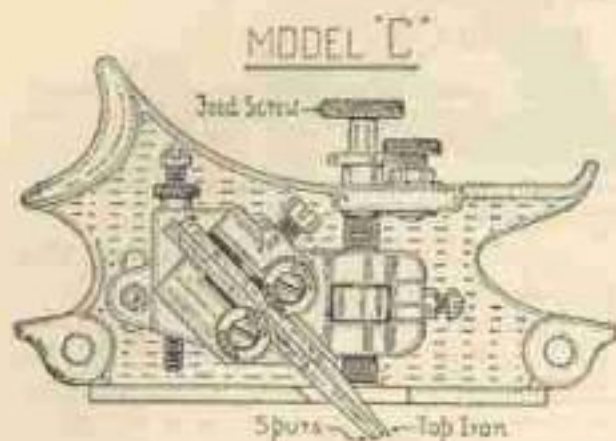
PRICE £5 0 0

This machine will cut up to a $\frac{1}{2}$ in. or $\frac{3}{4}$ in. mortise with centre $\frac{3}{4}$ in. from edge of timber and $\frac{1}{2}$ in. deep. The Stroke is 1 $\frac{1}{2}$ in. Table 1 $\frac{1}{2}$ in. wide, and can be lowered 1 $\frac{1}{2}$ in. by using bolts in holes B. Cutters (4), $\frac{1}{8}$ and $\frac{1}{16}$ in., working to a depth of $\frac{1}{2}$ in.; $\frac{1}{4}$ in. to $\frac{1}{2}$ in.; and $\frac{1}{2}$ in. to $\frac{3}{4}$ in. deep are included. Overall dimensions 14 x 14 x 2 $\frac{1}{2}$ in. Weight, 8 lb.

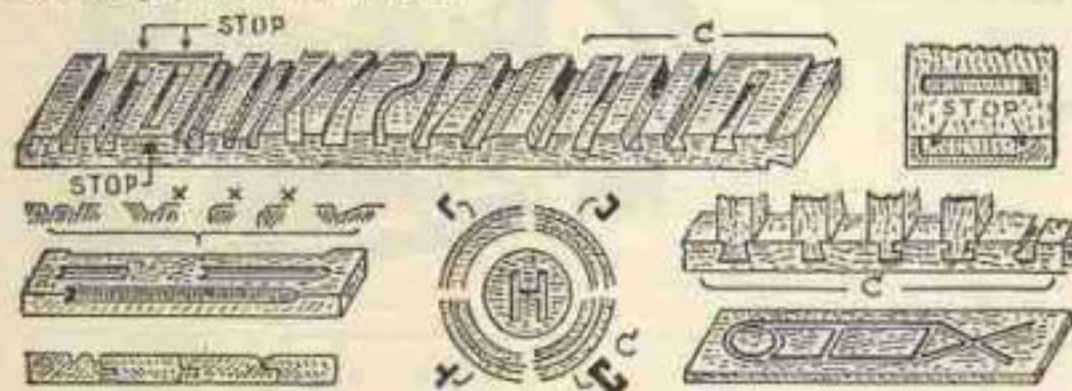
PRICE £2 5 0

The Howkins Plane

Entirely British. Fig. 6451



This Tool has an enormous capacity. The tool-holder is practically a simple slide rest, and the cutters are fed down into the work. Dado, Rebating, Ploughing, Matching, Moulding, Inlay, Chamfering, Dovetailing, etc.; also Flat Circular, Oval and other swept work from $1\frac{1}{8}$ in. radius to a straight line, and in many cases the Plane will take the place of a lathe. Tee and other shaped slots, straight, or circular, can be cut.



Works to Self-Formed Single or Double Step Ends

Some of the work executed by Model "C" is shown on the left, but this gives only a very small idea of the capacity of the tool. All can be executed by means of the ordinary outfit supplied with Plane "C" with exception of the T and L grooves on pieces marked C and the moulding with the grain marked xxx for which extra tools are required.

Model "C"

Complete with pair of Cross-cut or Dado Tools, $\frac{11}{16}$ in. wide, for working across grain, circular work, etc., to a depth of $\frac{1}{16}$ in. and a pair $\frac{1}{8}$ in. wide for working to a depth of $\frac{1}{16}$ in. Plough, $\frac{11}{16}$ in. wide for working with grain to a depth of $\frac{1}{16}$ in. Plough, $\frac{1}{8}$ in. wide for working with grain to a depth of $\frac{1}{16}$ in. Pair of Female Dovetailing Tools, left hand, and a pair of right hand (minimum width of throat cut $\frac{1}{8}$ in., and maximum depth $\frac{1}{16}$ in.) Male Dovetailing Tool, male Dovetail Spur, Beading Tool, 2 Fence Bars, 2 Fences, 1 Plough Fence, 1 Centre Angle, 1 Dovetail Sole, 1 Spanner.

PRICE £5 0 0

Model "B"

Is a simpler form of Model "C" and has Fences on one side only. It has very great capacity and with the addition of a few extra cutters more than covers the work shown above with exception of the dovetail, T and L slot work marked C. Complete with 1 pair of Cross-cut or Dado Tools, $\frac{11}{16}$ in. wide for working across grain, circular work, etc., to a depth of $\frac{1}{16}$ in., 1 Plough $\frac{11}{16}$ in. wide for working with the grain, 1 Fence, 1 Centre Angle, 2 Fence Screws, etc.

PRICE £1 15 0 Plough Fence, 2/6 extra.

Model "D"

This has a "C" Body and Fences, with a "B" Toolholder, complete with 1 pair of Dado Tools $\frac{11}{16}$ in., 1 Plough $\frac{11}{16}$ in., etc.

PRICE £2 10 0

Model "E"

This has a "B" Body and Fences with a "C" Toolholder, complete with 1 pair of Dado Tools $\frac{11}{16}$ in., 1 Plough $\frac{11}{16}$ in., etc.

PRICE £2 7 6

EXTRA TOOLS FOR MODELS "B," "C," "D," "E," except where otherwise stated.

Dado Tools, per pair $\frac{1}{8}$ in., 4/6; $\frac{1}{4}$ in., 4/6; $\frac{3}{8}$ in., 4/6; $\frac{1}{2}$ in., 3/6. Special widths to order, 1/- extra.

Plough Irons, $\frac{1}{8}$ in., $\frac{1}{4}$ in., $\frac{3}{8}$ in., 1/- each. Special widths to order 7/6 extra.

Moulding etc. Cutters, $\frac{1}{8}$ in. wide, Bead, Round, Hollow, Chamfer and Skew Bevel which last works any way of the grain, 2/- each.

Reeding Tool, 3 reeds, $\frac{1}{8}$ in. wide, 2/- each.

Set of 10 Tools in a Wallet—comprising Dado Tools $\frac{1}{8}$ in., $\frac{1}{4}$ in., Ploughs $\frac{1}{8}$ in., $\frac{1}{4}$ in. and the 4 Moulding and 1 Skew Bevel Cutter described above, 20/- per set.

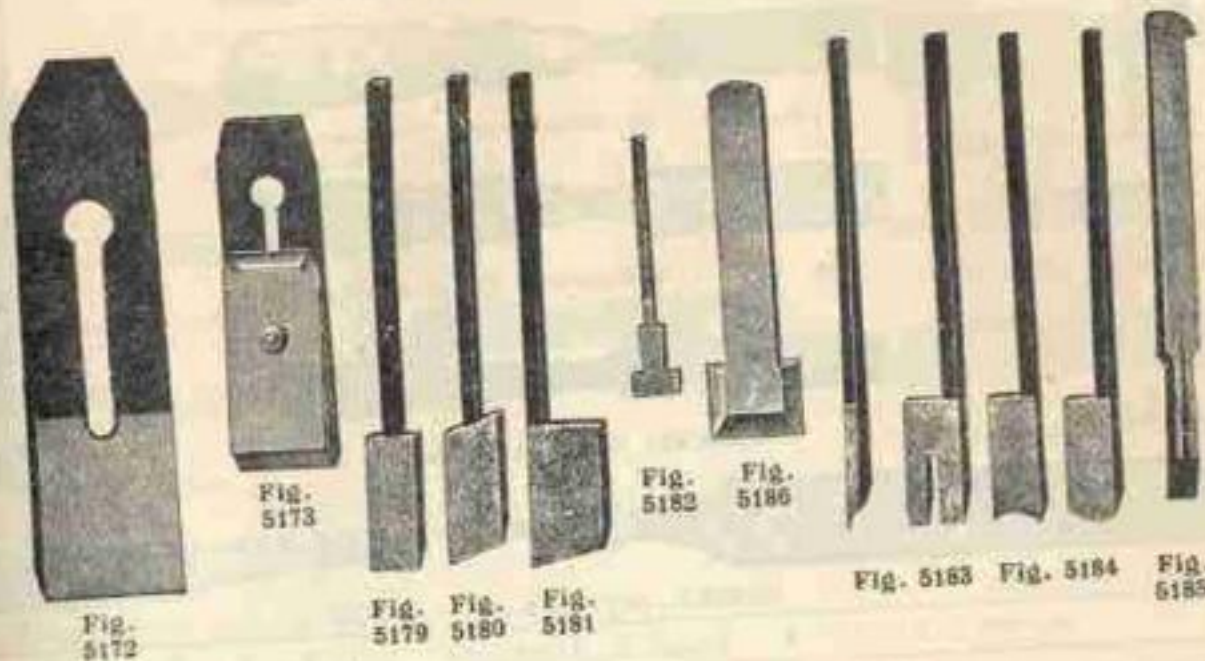
Small Toolholder, takes $\frac{1}{8}$ in. round steel; with Ploughs $\frac{1}{8}$ in., $\frac{1}{4}$ in., $\frac{3}{8}$ in., $\frac{1}{2}$ in. and 1 Bead Tool $\frac{1}{8}$ in., complete in box, 8/-. As shanks are round tools can be turned round in the Holder and set at an angle to give a skew cut and will then work any way of the grain. A tool of suitable contour set at an angle will produce a moulding, etc., any way of the grain, a valuable feature with great possibilities.

"C" MODEL only. Dovetailing Tools: Male Nos. 7 and 8; Female No. 5; L. Hand; and No. 6 R. Hand; per pair, 4/6

L Groove Tool $\frac{1}{8}$ in. wide, 4/6 each.

Special Tools, etc., quoted for on receipt of particulars.

Cast Steel Plane Irons



Cast Steel Plane Irons. Prices per dozen.

Cast Steel Plane Irons. Prices per dozen.																
Fig.	Width of Iron	Up to	1½	1¾	1⅞	2	2¼	2½	2¾	3	3¼	3½	3¾	4	in.	
5171	Single, Uncut	..	12½	12½	12¾	13/6	14/3	15½	17/3	19/1	20/3	22/10	25/6	27/9	32/3	doz.
5172	Single, Cut	..	12/9	12/9	13/1	14/3	15½	15/9	18½	19/10	21½	23/7	26/3	28/6	33½	..
5173	Double, Brass Nut	..	24/4	24/4	25/1	26/7	27/9	28/10	28/10	34/10	37/1	40/6	43/10	48/4	45/1	..
5175	Single Cut, Parallel	..	16/6	16/6	16/10	18½	18/9	19/6	21/9	23/7	24/9	27/4	30½	32/3	36/9	..
5176	Double, Parallel, Brass Nut	..	28/1	28/1	28/10	30/4	31/6	32/7	35/7	38/7	40/10	44/3	47/7	52/1	59/10	..
5177	Top, Brass Nut and Screw	..	9/4	9/4	9/4	9/9	10/1	10/6	11/3	12/4	13/6	14/3	15½	17/3	19/6	..
5174	Toothings	..	18½	18½	18½	19/6	21½	22/6	24/4	25/6	27/4	—	—	—	—	..

Fig. 5188. Bright Screws for Top Irons, 7 per doz.: Turned Brass Nuts, 1/3 per doz.

Fig. 5188. Bright Screws for Top Irons, 7 per doz. : Turned Brass Nuts, 1/8 per doz.																				
Fig.	Width of Iron, up to	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$	4	4 $\frac{1}{4}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$	5
5178	Moulding, Soft	..	4/9	4/9	4/10	5/-	5/2	5/5	5/9	6/3	6/8	7/-	7/3	7/6	8/3	8/8	10/6	12/9	doz.	
5178	Moulding, Hard	..	6/3	6/3	6/6	6/11	7/-	7/3	7/6	7/9	8/2	8/6	8/9	9/-	9/9	10/8	12/9	15/-	..	
5175	Bead	..	15/-	16/6	17/3	18/-	19/6	21/-	22/6	24/-	..	..	..	..	..	..	..	..	..	
5179	Square Rabbet	..	6/3	6/3	6/6	6/11	7/-	7/3	7/6	7/9	8/2	8/6	8/9	9/-	9/9	10/8	12/9	15/-	..	
5180	Skew	..	7/-	7/-	7/3	7/8	7/8	8/-	8/3	8/6	9/-	9/3	9/6	9/9	10/8	11/3	..	..	..	
5181	Shank Filletster, Left or Right Hand	..	..	..	..	7/8	7/9	8/-	8/3	8/6	9/-	9/3	9/6	9/9	10/8	11/3	..	..	..	
5186	Filletster Nicker, 9/9	..	..	..	..	..	12/-	12/-	12/-	12/-	12/-	12/9	13/6	15/-	16/6	..	..	..	..	
5182	Coachmakers' T Rabbet	..	..	..	..	..	15/9	15/9	15/9	15/9	15/9	15/9	16/2	16/6	18/-	19/6	..	..	..	
5177	Chariot, All-Bright	..	..	..	..	..	12/-	12/-	12/-	12/-	12/9	13/6	15/-	16/6	..	..	..	..	..	
5189	Bull-Note	..	..	..	..	..	12/-	12/-	12/-	12/-	12/-	12/9	13/6	15/-	16/6	..	..	..	..	
5185	Bright Plough Bits	..	12/-	12/-	12/-	15/-	18/-	22/6	..	..	..	..	..	..	..	..	..	..	..	

Fig.	Width of Iron	Up to	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	3 3/4	4	4 1/4	4 1/2	4 3/4	5	in.
5183	Match or Grooving, in pairs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5183	Grooving Bits only to 1/2 in., 6/9; 3/4 in., 7/6; 1 in., 8/3 per doz.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5187	Trenching, or Dado Grooving, in pairs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5184	Hollow and Round Irons, Square, in pairs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5184	Skew, in pairs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

5187 Coopers' Jointer Irons, 11 in. long, Blued:—

Fig.	Coopers' Jointer Irons, 11 in. long. Blued.	3	3½	3¾	3⅞	4	4¼	4½	4¾	5	5½	5¾	6	6½	6¾	7	7½	8	8½	9	9½	10	10½	11	11½	12	12½	13	13½	14	14½	15	15½	16	16½	17	17½	18	18½	19	19½	20	20½	21	21½	22	22½	23	23½	24	24½	25	25½	26	26½	27	27½	28	28½	29	29½	30	30½	31	31½	32	32½	33	33½	34	34½	35	35½	36	36½	37	37½	38	38½	39	39½	40	40½	41	41½	42	42½	43	43½	44	44½	45	45½	46	46½	47	47½	48	48½	49	49½	50	50½	51	51½	52	52½	53	53½	54	54½	55	55½	56	56½	57	57½	58	58½	59	59½	60	60½	61	61½	62	62½	63	63½	64	64½	65	65½	66	66½	67	67½	68	68½	69	69½	70	70½	71	71½	72	72½	73	73½	74	74½	75	75½	76	76½	77	77½	78	78½	79	79½	80	80½	81	81½	82	82½	83	83½	84	84½	85	85½	86	86½	87	87½	88	88½	89	89½	90	90½	91	91½	92	92½	93	93½	94	94½	95	95½	96	96½	97	97½	98	98½	99	99½	100	100½	101	101½	102	102½	103	103½	104	104½	105	105½	106	106½	107	107½	108	108½	109	109½	110	110½	111	111½	112	112½	113	113½	114	114½	115	115½	116	116½	117	117½	118	118½	119	119½	120	120½	121	121½	122	122½	123	123½	124	124½	125	125½	126	126½	127	127½	128	128½	129	129½	130	130½	131	131½	132	132½	133	133½	134	134½	135	135½	136	136½	137	137½	138	138½	139	139½	140	140½	141	141½	142	142½	143	143½	144	144½	145	145½	146	146½	147	147½	148	148½	149	149½	150	150½	151	151½	152	152½	153	153½	154	154½	155	155½	156	156½	157	157½	158	158½	159	159½	160	160½	161	161½	162	162½	163	163½	164	164½	165	165½	166	166½	167	167½	168	168½	169	169½	170	170½	171	171½	172	172½	173	173½	174	174½	175	175½	176	176½	177	177½	178	178½	179	179½	180	180½	181	181½	182	182½	183	183½	184	184½	185	185½	186	186½	187	187½	188	188½	189	189½	190	190½	191	191½	192	192½	193	193½	194	194½	195	195½	196	196½	197	197½	198	198½	199	199½	200	200½	201	201½	202	202½	203	203½	204	204½	205	205½	206	206½	207	207½	208	208½	209	209½	210	210½	211	211½	212	212½	213	213½	214	214½	215	215½	216	216½	217	217½	218	218½	219	219½	220	220½	221	221½	222	222½	223	223½	224	224½	225	225½	226	226½	227	227½	228	228½	229	229½	230	230½	231	231½	232	232½	233	233½	234	234½	235	235½	236	236½	237	237½	238	238½	239	239½	240	240½	241	241½	242	242½	243	243½	244	244½	245	245½	246	246½	247	247½	248	248½	249	249½	250	250½	251	251½	252	252½	253	253½	254	254½	255	255½	256	256½	257	257½	258	258½	259	259½	260	260½	261	261½	262	262½	263	263½	264	264½	265	265½	266	266½	267	267½	268	268½	269	269½	270	270½	271	271½	272	272½	273	273½	274	274½	275	275½	276	276½	277	277½	278	278½	279	279½	280	280½	281	281½	282	282½	283	283½	284	284½	285	285½	286	286½	287	287½	288	288½	289	289½	290	290½	291	291½	292	292½	293	293½	294	294½	295	295½	296	296½	297	297½	298	298½	299	299½	300	300½	301	301½	302	302½	303	303½	304	304½	305	305½	306	306½	307	307½	308	308½	309	309½	310	310½	311	311½	312	312½	313	313½	314	314½	315	315½	316	316½	317	317½	318	318½	319	319½	320	320½	321	321½	322	322½	323	323½	324	324½	325	325½	326	326½	327	327½	328	328½	329	329½	330	330½	331	331½	332	332½	333	333½	334	334½	335	335½	336	336½	337	337½	338	338½	339	339½	340	340½	341	341½	342	342½	343	343½	344	344½	345	345½	346	346½	347	347½	348	348½	349	349½	350	350½	351	351½	352	352½	353	353½	354	354½	355	355½	356	356½	357	357½	358	358½	359	359½	360	360½	361	361½	362	362½	363	363½	364	364½	365	365½	366	366½	367	367½	368	368½	369	369½	370	370½	371	371½	372	372½	373	373½	374	374½	375	375½	376	376½	377	377½	378	378½	379	379½	380	380½	381	381½	382	382½	383	383½	384	384½	385	385½	386	386½	387	387½	388	388½	389	389½	390	390½	391	391½	392	392½	393	393½	394	394½	395	395½	396	396½	397	397½	398	398½	399	399½	400	400½	401	401½	402	402½	403	403½	404	404½	405	405½	406	406½	407	407½	408	408½	409	409½	410	410½	411	411½	412	412½	413	413½	414	414½	415	415½	416	416½	417	417½	418	418½	419	419½	420	420½	421	421½	422	422½	423	423½	424	424½	425	425½	426	426½	427	427½	428	428½	429	429½	430	430½	431	431½	432	432½	433	433½	434	434½	435	435½	436	436½	437	437½	438	438½	439	439½	440	440½	441	441½	442	442½	443	443½	444	444½	445	445½	446	446½	447	447½	448	448½	449	449½	450	450½	451	451½	452	452½	453	453½	454	454½	455	455½	456	456½	457	457½	458	458½	459	459½	460	460½	461	461½	462	462½	463	463½	464	464½	465	465½	466	466½	467	467½	468	468½	469	469½	470	470½	471	471½	472	472½	473	473½	474	474½	475	475½	476	476½	477	477½	478	478½	479	479½	480	480½	481	481½	482	482½	483	483½	484	484½	485	485½	486	486½	487	487½	488	488½	489	489½	490	490½	491	491½	492	492½	493	493½	494	494½	495	495½	496	496½	497	497½	498	498½	499	499½	500	500½	501	501½	502	502½	503	503½	504	504½	505	505½	506	506½	507	507½	508	508½	509	509½	510	510½	511	511½	512	512½	513	513½	514	514½	515	515½	516	516½	517	517½	518	518½	519	519½	520	520½	521	521½	522	522½	523	523½	524	524½	525	525½	526	526½	527	527½	528	528½	529	529½	530	530½	531	531½	532	532½	533	533½	534	534½	535	535½	536	536½	537	537½	538	538½	539	539½	540	540½	541	541½	542	542½	543	543½	544	544½	545	545½	546	546½	547	547½	548	548½	549	549½	550	550½	551	551½	552	552½	553	553½	554	554½	555	555½	556	556½	557	557½	558	558½	559	559½	560	560½	561	561½	562	562½	563	563½	564	564½	565	565½	566	566½	567	567½	568	568½	569	569½	570	570½	571	571½	572	572½	573	573½	574	574½	575	575½	576	576½	577	577½	578	578½	579	579½	580	580½	581	581½	582	582½	583	583½	584	584½	585	585½	586	586½	587	587½	588	588½	589	589½	590	590½	591	591½	592	592½	593	593½	594	594½	595	595½	596	596½	597	597½	598	598½	599	599½	600	600½	601	601½	602	602½	603	603½	604	604½	605	605½	606	606½	607	607½	608	608½	609	609½	610	610½	611	611½	612	612½	613	613½	614	614½	615	615½	616	616½	617	617½	618	618½	619	619½	620	620½	621	621½	622	622½	623	623½	624	624½	625	625½	626	626½	627	627½	628	628½	629	629½	630	630½	631	631½	632	632½	633	633½	634	634½	635	635½	636	636½	637	637½	638	638½	639	639½	640	640½	641	641½	642	642½	643	643½	644	644½	645	645½	646	646½	647	647½	648	648½	649	649½	650	650½	651	651½	652	652½	653	653½	654	654½	655	655½	656	656½	657	657½	658	658½	659	659½	660	660½	661	661½	662	662½	663	663½	664	664½	665	665½	666	666½	667	667½	668	668½	669	669½	670	670½	671	671½	672	672½	673	673½	674	674½	675	675½	676	676½	677	677½	678	678½	679	679½	680	680½	681	681½	682	682½	683	683½	684	684½	685	685½	686	686½	687	687½	688	688½	689	689½	690	690½	691	691½	692	692½	693	693½	694	694½	695	695½	696	696½	697	697½	698	698½	699	699½	700	700½	701	701½	702	702½	703	703½	704	704½	705	705½	706	706½	707	707½	708	708½	709	709½	710	710½	711	711½	712	712½	713	713½	714	714½	715	715½	716	716½	717	717½	718	718½	719	719½	720	720½	721	721½	722	722½	723	723½	724	724½	725	725½	726	726½	727	727½	728	728½	729	729½	730	730½	731	731½	732	732½	733	733½	734	734½	735	735½	736	736½	737	737½	738	738½	739
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C.S. Chisels and Gouges



Fig. 5189

Fig. 5189 B E



Fig. 5189. C.S. Firmer Chisel, Handled.



Fig. 5192. C.S. Registered Chisel, Handled, with 2 Bright Iron Ferrules.



Fig. 5201. C.S. Socket Chisel.



Fig. 5190

Fig. 5913



Fig. 5194. C.S. Long Thin Paring Chisel.

PRICES, per dozen.

PRICES, per dozen.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Fig.	Width	in., up to	1	1 1/2	2	2 1/2	3	3 1/2	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	10 1/2	11	11 1/2	12	12 1/2	13	13 1/2	14	14 1/2	15	15 1/2	16	16 1/2	17	17 1/2	18	18 1/2	19	19 1/2	20	20 1/2	21	21 1/2	22	22 1/2	23	23 1/2	24	24 1/2	25	25 1/2	26	26 1/2	27	27 1/2	28	28 1/2	29	29 1/2	30	30 1/2	31	31 1/2	32	32 1/2	33	33 1/2	34	34 1/2	35	35 1/2	36	36 1/2	37	37 1/2	38	38 1/2	39	39 1/2	40	40 1/2	41	41 1/2	42	42 1/2	43	43 1/2	44	44 1/2	45	45 1/2	46	46 1/2	47	47 1/2	48	48 1/2	49	49 1/2	50	50 1/2	51	51 1/2	52	52 1/2	53	53 1/2	54	54 1/2	55	55 1/2	56	56 1/2	57	57 1/2	58	58 1/2	59	59 1/2	60	60 1/2	61	61 1/2	62	62 1/2	63	63 1/2	64	64 1/2	65	65 1/2	66	66 1/2	67	67 1/2	68	68 1/2	69	69 1/2	70	70 1/2	71	71 1/2	72	72 1/2	73	73 1/2	74	74 1/2	75	75 1/2	76	76 1/2	77	77 1/2	78	78 1/2	79	79 1/2	80	80 1/2	81	81 1/2	82	82 1/2	83	83 1/2	84	84 1/2	85	85 1/2	86	86 1/2	87	87 1/2	88	88 1/2	89	89 1/2	90	90 1/2	91	91 1/2	92	92 1/2	93	93 1/2	94	94 1/2	95	95 1/2	96	96 1/2	97	97 1/2	98	98 1/2	99	99 1/2	100	100 1/2	101	101 1/2	102	102 1/2	103	103 1/2	104	104 1/2	105	105 1/2	106	106 1/2	107	107 1/2	108	108 1/2	109	109 1/2	110	110 1/2	111	111 1/2	112	112 1/2	113	113 1/2	114	114 1/2	115	115 1/2	116	116 1/2	117	117 1/2	118	118 1/2	119	119 1/2	120	120 1/2	121	121 1/2	122	122 1/2	123	123 1/2	124	124 1/2	125	125 1/2	126	126 1/2	127	127 1/2	128	128 1/2	129	129 1/2	130	130 1/2	131	131 1/2	132	132 1/2	133	133 1/2	134	134 1/2	135	135 1/2	136	136 1/2	137	137 1/2	138	138 1/2	139	139 1/2	140	140 1/2	141	141 1/2	142	142 1/2	143	143 1/2	144	144 1/2	145	145 1/2	146	146 1/2	147	147 1/2	148	148 1/2	149	149 1/2	150	150 1/2	151	151 1/2	152	152 1/2	153	153 1/2	154	154 1/2	155	155 1/2	156	156 1/2	157	157 1/2	158	158 1/2	159	159 1/2	160	160 1/2	161	161 1/2	162	162 1/2	163	163 1/2	164	164 1/2	165	165 1/2	166	166 1/2	167	167 1/2	168	168 1/2	169	169 1/2	170	170 1/2	171	171 1/2	172	172 1/2	173	173 1/2	174	174 1/2	175	175 1/2	176	176 1/2	177	177 1/2	178	178 1/2	179	179 1/2	180	180 1/2	181	181 1/2	182	182 1/2	183	183 1/2	184	184 1/2	185	185 1/2	186	186 1/2	187	187 1/2	188	188 1/2	189	189 1/2	190	190 1/2	191	191 1/2	192	192 1/2	193	193 1/2	194	194 1/2	195	195 1/2	196	196 1/2	197	197 1/2	198	198 1/2	199	199 1/2	200	200 1/2	201	201 1/2	202	202 1/2	203	203 1/2	204	204 1/2	205	205 1/2	206	206 1/2	207	207 1/2	208	208 1/2	209	209 1/2	210	210 1/2	211	211 1/2	212	212 1/2	213	213 1/2	214	214 1/2	215	215 1/2	216	216 1/2	217	217 1/2	218	218 1/2	219	219 1/2	220	220 1/2	221	221 1/2	222	222 1/2	223	223 1/2	224	224 1/2	225	225 1/2	226	226 1/2	227	227 1/2	228	228 1/2	229	229 1/2	230	230 1/2	231	231 1/2	232	232 1/2	233	233 1/2	234	234 1/2	235	235 1/2	236	236 1/2	237	237 1/2	238	238 1/2	239	239 1/2	240	240 1/2	241	241 1/2	242	242 1/2	243	243 1/2	244	244 1/2	245	245 1/2	246	246 1/2	247	247 1/2	248	248 1/2	249	249 1/2	250	250 1/2	251	251 1/2	252	252 1/2	253	253 1/2	254	254 1/2	255	255 1/2	256	256 1/2	257	257 1/2	258	258 1/2	259	259 1/2	260	260 1/2	261	261 1/2	262	262 1/2	263	263 1/2	264	264 1/2	265	265 1/2	266	266 1/2	267	267 1/2	268	268 1/2	269	269 1/2	270	270 1/2	271	271 1/2	272	272 1/2	273	273 1/2	274	274 1/2	275	275 1/2	276	276 1/2	277	277 1/2	278	278 1/2	279	279 1/2	280	280 1/2	281	281 1/2	282	282 1/2	283	283 1/2	284	284 1/2	285	285 1/2	286	286 1/2	287	287 1/2	288	288 1/2	289	289 1/2	290	290 1/2	291	291 1/2	292	292 1/2	293	293 1/2	294	294 1/2	295	295 1/2	296	296 1/2	297	297 1/2	298	298 1/2	299	299 1/2	300	300 1/2	301	301 1/2	302	302 1/2	303	303 1/2	304	304 1/2	305	305 1/2	306	306 1/2	307	307 1/2	308	308 1/2	309	309 1/2	310	310 1/2	311	311 1/2	312	312 1/2	313	313 1/2	314	314 1/2	315	315 1/2	316	316 1/2	317	317 1/2	318	318 1/2	319	319 1/2	320	320 1/2	321	321 1/2	322	322 1/2	323	323 1/2	324	324 1/2	325	325 1/2	326	326 1/2	327	327 1/2	328	328 1/2	329	329 1/2	330	330 1/2	331	331 1/2	332	332 1/2	333	333 1/2	334	334 1/2	335	335 1/2	336	336 1/2	337	337 1/2	338	338 1/2	339	339 1/2	340	340 1/2	341	341 1/2	342	342 1/2	343	343 1/2	344	344 1/2	345	345 1/2	346	346 1/2	347	347 1/2	348	348 1/2	349	349 1/2	350	350 1/2	351	351 1/2	352	352 1/2	353	353 1/2	354	354 1/2	355	355 1/2	356	356 1/2	357	357 1/2	358	358 1/2	359	359 1/2	360	360 1/2	361	361 1/2	362	362 1/2	363	363 1/2	364	364 1/2	365	365 1/2	366	366 1/2	367	367 1/2	368	368 1/2	369	369 1/2	370	370 1/2	371	371 1/2	372	372 1/2	373	373 1/2	374	374 1/2	375	375 1/2	376	376 1/2	377	377 1/2	378	378 1/2	379	379 1/2	380	380 1/2	381	381 1/2	382	382 1/2	383	383 1/2	384	384 1/2	385	385 1/2	386	386 1/2	387	387 1/2	388	388 1/2	389	389 1/2	390	390 1/2	391	391 1/2	392	392 1/2	393	393 1/2	394	394 1/2	395	395 1/2	396	396 1/2	397	397 1/2	398	398 1/2	399	399 1/2	400	400 1/2	401	401 1/2	402	402 1/2	403	403 1/2	404	404 1/2	405	405 1/2	406	406 1/2	407	407 1/2	408	408 1/2	409	409 1/2	410	410 1/2	411	411 1/2	412	412 1/2	413	413 1/2	414	414 1/2	415	415 1/2	416	416 1/2	417	417 1/2	418	418 1/2	419	419 1/2	420	420 1/2	421	421 1/2	422	422 1/2	423	423 1/2	424	424 1/2	425	425 1/2	426	426 1/2	427	427 1/2	428	428 1/2	429	429 1/2	430	430 1/2	431	431 1/2	432	432 1/2	433	433 1/2	434	434 1/2	435	435 1/2	436	436 1/2	437	437 1/2	438	438 1/2	439	439 1/2	440	440 1/2	441	441 1/2	442	442 1/2	443	443 1/2	444	444 1/2	445	445 1/2	446	446 1/2	447	447 1/2	448	448 1/2	449	449 1/2	450	450 1/2	451	451 1/2	452	452 1/2	453	453 1/2	454	454 1/2	455	455 1/2	456	456 1/2	457	457 1/2	458	458 1/2	459	459 1/2	460	460 1/2	461	461 1/2	462	462 1/2	463	463 1/2	464	464 1/2	465	465 1/2	466	466 1/2	467	467 1/2	468	468 1/2	469	469 1/2	470	470 1/2	471	471 1/2	472	472 1/2	473	473 1/2	474	474 1/2	475	475 1/2	476	476 1/2	477	477 1/2	478	478 1/2	479	479 1/2	480	480 1/2	481	481 1/2	482	482 1/2	483	483 1/2	484	484 1/2	485	485 1/2	486	486 1/2	487	487 1/2	488	488 1/2	489	489 1/2	490	490 1/2	491	491 1/2	492	492 1/2	493	493 1/2	494	494 1/2	495	495 1/2	496	496 1/2	497	497 1/2	498	498 1/2	499	499 1/2	500	500 1/2	501	501 1/2	502	502 1/2	503	503 1/2	504	504 1/2	505	505 1/2	506	506 1/2	507	507 1/2	508	508 1/2	509	509 1/2	510	510 1/2	511	511 1/2	512	512 1/2	513	513 1/2	514	514 1/2	515	515 1/2	516	516 1/2	517	517 1/2	518	518 1/2	519	519 1/2	520	520 1/2	521	521 1/2	522	522 1/2	523	523 1/2	524	524 1/2	525	525 1/2	526	526 1/2	527	527 1/2	528	528 1/2	529	529 1/2	530	530 1/2	531	531 1/2	532	532 1/2	533	533 1/2	534	534 1/2	535	535 1/2	536	536 1/2	537	537 1/2	538	538 1/2	539	539 1/2	540	540 1/2	541	541 1/2	542	542 1/2	543	543 1/2	544	544 1/2	545	545 1/2	546	546 5

C.S. Chisels, Gouges, &c.



Fig. 5915. Round Nose Turning Chisel



Fig. 5205. Lock Mortice Chisel



Fig. 5588. Drawer Lock Chisel



Fig. 5197. Turning Gouge



Fig. 5914. Diamond Point Turning Chisel



Fig. 5587. Octagon Wagon Builders' Chisel



Fig. 5203. Mortice Chisel



Fig. 5196. Turning Chisel



Fig. 5206. Sash Pocket Chisel

PRICES, per dozen.

Fig.	Width in. up to	1	1 1/2	2	2 1/2	3	3 1/2	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	10 1/2	11	11 1/2	12
5195	Turning Chisels, 1 in. to be 10 1/2 in. over all																							
	Not handled	8/-	8/6	10/10	12/-	12/6	15/-	17/3	19/6	21/9	24/9	27/9	30/9	33/9	36/9	39/9	42/9	45/9	48/9	51/9	54/9	57/9	60/9	63/9
	Handled, Round Beech	15/9	16/6	17/7	18/9	20/3	21/9	24/-	27/-	29/2	32/-	36/-	39/9	42/9	45/9	48/9	51/9	54/9	57/9	60/9	63/9	66/9	69/9	72/9
5196	Long Strong Turning Chisels, 1 in. to be 13 in. over all																							
	Not handled	16/-	15/6	16/6	18/-	20/3	21/9	24/9	26/6	28/9	35/7	40/6	46/6	52/6	57/6	61/6	66/6	71/6	76/6	81/6	86/6	91/6	96/6	101/6
	Handled, Round Beech	23/3	24/-	24/9	25/3	26/6	30/-	32/-	37/6	39/9	45/4	50/3	57/-	63/-	67/6	72/-	77/-	82/-	87/-	92/-	97/-	102/-	107/-	112/-
5914	Diamond Point Turning Chisels																							
5915	Round Nose Turning Chisels																							
	Not handled	9/9	10/6	11/7	12/9	14/7	16/1	18/9	21/-	23/3	26/3	30/-	33/-	36/-	40/6	43/6	47/6	51/6	55/6	59/6	63/6	67/6	71/6	75/6
5197	Turning Gouges, 1 in. to be 10 1/2 in. overall																							
	Not handled	11/7	13/1	14/7	15/3	18/4	21/-	23/7	26/3	30/9	35/7	40/1	43/10	47/1	52/8	57/9	61/9	66/9	71/9	76/9	81/9	86/9	91/9	96/9
	Handled, Round Beech	18/4	19/10	21/4	22/6	25/1	27/9	30/4	33/9	35/3	40/10	44/4	52/10	56/3	61/6	66/9	71/9	76/9	81/9	86/9	91/9	96/9	101/9	106/9
5198	Long Strong Turning Gouges, 1 in. to be 13 in. overall																							
	Not handled	22/10	24/-	28/1	30/9	34/10	40/6	44/3	48/-	53/3	60/-	68/9	79/10	75/-	79/4	81/9	86/9	91/9	96/9	101/9	106/9	111/9	116/9	121/9
	Handled, Round Beech	31/1	32/3	36/4	39/-	43/1	48/9	55/6	57/-	62/3	69/9	76/6	81/4	85/6	88/10	92/3	97/3	102/3	107/3	112/3	117/3	122/3	127/3	132/3
5200	V Shape Turning Tools																							
	Not handled	—	22/6	24/-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5201	Wood Turners' Parting Tools																							
	Not handled	—	—	—	—	—	—	13/6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5202	Solid Steel Octagon, Wagon Builder's Chisels																							
	Not handled	—	—	19/6	21/-	22/6	24/-	25/3	27/6	30/9	32/-	36/-	39/-	42/-	45/-	49/6	57/-	60/-	63/-	66/-	69/-	72/-	75/-	78/-

Fig.	Width in. up to	1	1 1/2	2	2 1/2	3	3 1/2	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	10 1/2	11	11 1/2	12
5203	Joiners' or Cabinet Mortice Chisels																							
	Not handled	21/-	21/-	22/1	24/-	26/7	28/10	31/10	39/-	42/6	45/3	48/1	51/6	54/3	57/6	60/3	63/6	66/3	69/6	72/3	75/6	78/3	81/6	84/3
	Handled, Oval Beech	28/3	30/2	34/9	38/7	41/7	43/10	46/10	51/6	55/6	59/6	63/6	67/6	71/6	75/6	79/6	83/6	87/6	91/6	95/6	99/6	103/6	107/6	111/6
5204	Sash Mortice Chisels																							
	Not handled	27/-	27/-	28/6	30/-	33/-	36/-	39/-	42/6	45/3	48/6	51/6	54/3	57/6	60/3	63/6	66/3	69/6	72/3	75/6	78/3	81/6	84/3	87/6
	Handled, Round Boxwood	34/6	36/6	38/-	41/9	44/6	47/3	50/6	53/3	56/6	59/3	62/6	65/3	68/6	71/3	74/6	77/3	80/6	83/3	86/6	89/3	92/6	95/3	98/6
5205	Socket Mortice Chisels																							
	Not handled	24/9	26/9	27/-	28/3	31/6	34/6	38/-	42/6	46/6	50/6	54/6	58/6	62/6	66/6	70/6	74/6	78/6	82/6	86/6	90/6	94/6	98/6	102/6
	Handled, Round Beech with Bright Iron Ferrule	22/3	24/3	26/6	28/9	30/9	32/9	34/9	36/9	38/9	40/9	42/9	44/9	46/9	48/9	50/9	52/9	54/9	56/9	58/9	60/9	62/9	64/9	66/9
5206	Improved Lock Mortice Chisels																							
	Not handled	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Handled, Round Beech	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5209	Sash Pocket Chisels, Handled, 1 1/4 in. 18/-; 1 1/2 in. 21/-; 2 in. 24/-; 2 1/2 in. 28/-; 3 in. 32/-; 3 1/2 in. 36/-; 4 in. 40/-; 4 1/2 in. 44/-; 5 in. 48/-; 5 1/2 in. 52/-; 6 in. 56/-; 6 1/2 in. 60/-; 7 in. 64/-; 7 1/2 in. 68/-; 8 in. 72/-; 8 1/2 in. 76/-; 9 in. 80/-; 9 1/2 in. 84/-; 10 in. 88/-; 10 1/2 in. 92/-; 11 in. 96/-; 11 1/2 in. 100/-; 12 in. 104/-; 12 1/2 in. 108/-; 13 in. 112/-; 13 1/2 in. 116/-; 14 in. 120/-; 14 1/2 in. 124/-; 15 in. 128/-; 15 1/2 in. 132/-; 16 in. 136/-; 16 1/2 in. 140/-; 17 in. 144/-; 17 1/2 in. 148/-; 18 in. 152/-; 18 1/2 in. 156/-; 19 in. 160/-; 19 1/2 in. 164/-; 20 in. 168/-; 20 1/2 in. 172/-; 21 in. 176/-; 21 1/2 in. 180/-; 22 in. 184/-; 22 1/2 in. 188/-; 23 in. 192/-; 23 1/2 in. 196/-; 24 in. 200/-; 24 1/2 in. 204/-; 25 in. 208/-; 25 1/2 in. 212/-; 26 in. 216/-; 26 1/2 in. 220/-; 27 in. 224/-; 27 1/2 in. 228/-; 28 in. 232/-; 28 1/2 in. 236/-; 29 in. 240/-; 29 1/2 in. 244/-; 30 in. 248/-; 30 1/2 in. 252/-; 31 in. 256/-; 31 1/2 in. 260/-; 32 in. 264/-; 32 1/2 in. 268/-; 33 in. 272/-; 33 1/2 in. 276/-; 34 in. 280/-; 34 1/2 in. 284/-; 35 in. 288/-; 35 1/2 in. 292/-; 36 in. 296/-; 36 1/2 in. 300/-; 37 in. 304/-; 37 1/2 in. 308/-; 38 in. 312/-; 38 1/2 in. 316/-; 39 in. 320/-; 39 1/2 in. 324/-; 40 in. 328/-; 40 1/2 in. 332/-; 41 in. 336/-; 41 1/2 in. 340/-; 42 in. 344/-; 42 1/2 in. 348/-; 43 in. 352/-; 43 1/2 in. 356/-; 44 in. 360/-; 44 1/2 in. 364/-; 45 in. 368/-; 45 1/2 in. 372/-; 46 in. 376/-; 46 1/2 in. 380/-; 47 in. 384/-; 47 1/2 in. 388/-; 48 in. 392/-; 48 1/2 in. 396/-; 49 in. 400/-; 49 1/2 in. 404/-; 50 in. 408/-; 50 1/2 in. 412/-; 51 in. 416/-; 51 1/2 in. 420/-; 52 in. 424/-; 52 1/2 in. 428/-; 53 in. 432/-; 53 1/2 in. 436/-; 54 in. 440/-; 54 1/2 in. 444/-; 55 in. 448/-; 55 1/2 in. 452/-; 56 in. 456/-; 56 1/2 in. 460/-; 57 in. 464/-; 57 1/2 in. 468/-; 58 in. 472/-; 58 1/2 in. 476/-; 59 in. 480/-; 59 1/2 in. 484/-; 60 in. 488/-; 60 1/2 in. 492/-; 61 in. 496/-; 61 1/2 in. 500/-; 62 in. 504/-; 62 1/2 in. 508/-; 63 in. 512/-; 63 1/2 in. 516/-; 64 in. 520/-; 64 1/2 in. 524/-; 65 in. 528/-; 65 1/2 in. 532/-; 66 in. 536/-; 66 1/2 in. 540/-; 67 in. 544/-; 67 1/2 in. 548/-; 68 in. 552/-; 68 1/2 in. 556/-; 69 in. 560/-; 69 1/2 in. 564/-; 70 in. 568/-; 70 1/2 in. 572/-; 71 in. 576/-; 71 1/2 in. 580/-; 72 in. 584/-; 72 1/2 in. 588/-; 73 in. 592/-; 73 1/2 in. 596/-; 74 in. 600/-; 74 1/2 in. 604/-; 75 in. 608/-; 75 1/2 in. 612/-; 76 in. 616/-; 76 1/2 in. 620/-; 77 in. 624/-; 77 1/2 in. 628/-; 78 in. 632/-; 78 1/2 in. 636/-; 79 in. 640/-; 79 1/2 in. 644/-; 80 in. 648/-; 80 1/2 in. 652/-; 81 in. 656/-; 81 1/2 in. 660/-; 82 in. 664/-; 82 1/2 in. 668/-; 83 in. 672/-; 83 1/2 in. 676/-; 84 in. 680/-; 84 1/2 in. 684/-; 85 in. 688/-; 85 1/2 in. 692/-; 86 in. 696/-; 86 1/2 in. 700/-; 87 in. 704/-; 87 1/2 in. 708/-; 88 in. 712/-; 88 1/2 in. 716/-; 89 in. 720/-; 89 1/2 in. 724/-; 90 in. 728/-; 90 1/2 in. 732/-; 91 in. 736/-; 91 1/2 in. 740/-; 92 in. 744/-; 92 1/2 in. 748/-; 93 in. 752/-; 93 1/2 in. 756/-; 94 in. 760/-; 94 1/2 in. 764/-; 95 in. 768/-; 95 1/2 in. 772/-; 96 in. 776/-; 96 1/2 in. 780/-; 97 in. 784/-; 97 1/2 in. 788/-; 98 in. 792/-; 98 1/2 in. 796/-; 99 in. 800/-; 99 1/2 in. 804/-; 100 in. 808/-; 100 1/2 in. 812/-; 101 in. 816/-; 101 1/2 in. 820/-; 102 in. 824/-; 102 1/2 in. 828/-; 103 in. 832/-; 103 1/2 in. 836/-; 104 in. 840/-; 104 1/2 in. 844/-; 105 in. 848/-; 105 1/2 in. 852/-; 106 in. 856/-; 106 1/2 in. 860/-; 107 in. 864/-; 107 1/2 in. 868/-; 108 in. 872/-; 108 1/2 in. 876/-; 109 in. 880/-; 109 1/2 in. 884/-; 110 in. 888/-; 110 1/2 in. 892/-; 111 in. 896/-; 111 1/2 in. 900/-; 112 in. 904/-; 112 1/2 in. 908/-; 113 in. 912/-; 113 1/2 in. 916/-; 114 in. 920/-; 114 1/2 in. 924/-; 115 in. 928/-; 115 1/2 in. 932/-; 116 in. 936/-; 116 1/2 in. 940/-; 117 in. 944/-; 117 1/2 in. 948/-; 118 in. 952/-; 118 1/2 in. 956/-; 119 in. 960/-; 119 1/2 in. 964/-; 120 in. 968/-; 120 1/2 in. 972/-; 121 in. 976/-; 121 1/2 in. 980/-; 122 in. 984/-; 122 1/2 in. 988/-; 123 in. 992/-; 123 1/2 in. 996/-; 124 in. 1000/-; 124 1/2 in. 1004/-; 125 in. 1008/-; 125 1/2 in. 1012/-; 126 in. 1016/-; 126 1/2 in. 1020/-; 127 in. 1024/-; 127 1/2 in. 1028/-; 128 in. 1032/-; 128 1/2 in. 1036/-; 129 in. 1040/-; 129 1/2 in. 1044/-; 130 in. 1048/-; 130 1/2 in. 1052/-; 131 in. 1056/-; 131 1/2 in. 1060/-; 132 in. 1064/-; 132 1/2 in. 1068/-; 133 in. 1072/-; 133 1/2 in. 1076/-; 134 in. 1080/-; 134 1/2 in. 1084/-; 135 in. 1088/-; 135 1/2 in. 1092/-; 136 in. 1096/-; 136 1/2 in. 1100/-; 137 in. 1104/-; 137 1/2 in. 1108/-; 138 in. 1112/-; 138 1/2 in. 1116/-; 139 in. 1120/-; 139 1/2 in. 1124/-; 140 in. 1128/-; 140 1/2 in. 1132/-; 141 in. 1136/-; 141 1/2 in. 1140/-; 142 in. 1144/-; 142 1/2 in. 1148/-; 143 in. 1152/-; 143 1/2 in. 1156/-; 144 in. 1160/-; 144 1/2 in. 1164/-; 145 in. 1168/-; 145 1/2 in. 1172/-; 146 in. 1176/-; 146 1/2 in. 1180/-; 147 in. 1184/-; 147 1/2 in. 1188/-; 148 in. 1192/-; 148 1/2 in. 1196/-; 149 in. 1200/-; 149 1/2 in. 1204/-; 150 in. 1208/-; 150 1/2 in. 1212/-; 151 in. 1216/-; 151 1/2 in. 1220/-; 152 in. 1224/-; 152 1/2 in. 1228/-; 153 in. 1232/-; 153 1/2 in. 1236/-; 154 in. 1240/-; 154 1/2 in. 1244/-; 155 in. 1248/-; 155 1/2 in. 1252/-; 156 in. 1256/-; 156 1/2 in. 1260/-; 157 in. 1264/-; 157 1/2 in. 1268/-; 158 in. 1272/-; 158 1/2 in. 1276/-; 159 in. 1280/-; 159 1/2 in. 1284/-; 160 in. 1288/-; 160 1/2 in. 1292/-; 161 in. 1296/-; 161 1/2 in. 1300/-; 162 in. 1304/-; 162 1/2 in. 1308/-; 163 in. 1312/-; 163 1/2 in. 1316/-; 164 in. 1320/-; 164 1/2 in. 1324/-; 165 in. 1328/-; 165 1/2 in. 1332/-; 166 in. 1336/-; 166 1/2 in. 1340/-; 167 in. 1344/-; 167 1/2 in. 1348/-; 168 in. 1352/-; 168 1/2 in. 1356/-; 169 in. 1360/-; 169 1/2 in. 1364/-; 170 in. 1368/-; 170 1/2 in. 1372/-; 171 in. 1376/-; 171 1/2 in. 1380/-; 172 in. 1384/-; 172 1/2 in. 1388/-; 173 in. 1392/-; 173 1/2 in. 1396/-; 174 in. 1400/-; 174 1/2 in. 1404/-; 175 in. 1408/-; 175 1/2 in. 1412/-; 176 in. 1416/-; 176 1/2 in. 1420/-; 177 in. 1424/-; 177 1/2 in. 1428/-; 178 in. 1432/-; 178 1																							

C. S. Black Carving Tools

Curves and Patterns of Gouges

Fig. 5210



PRICES

Nos.	Description.	Up to ..	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1 1/4	1 1/2	1 3/4	2 in.
1 and 2	Firmer Chisels	..	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
3 to 9	Straight Gouges	..	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
10	"	..	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
11	"	..	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
12 to 18	Curved Gouges	..	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
19 and 20	"	..	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
21 to 23	Bent Chisels	..	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
24 to 30	Front Bent Gouges	..	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
31 and 32	"	..	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
33 to 38	Back Bent Gouges	..	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
39, 41, 45	Parting Tools (Straight)	..	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
40, 42, 43, 44, 46	" (Curved)	..	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2

48	Macaroni Tools, straight	..	to 1/4 in.	..	3/4 each
49	" " curved	..	"	..	2/6 "
50	" " front bent	..	"	..	2/6 "
51	Fluteroni Tools, straight	..	"	..	3/4 "
52	" " front bent	..	"	..	2/6 "
53	Fish Tail Spade Chisels	..	"	..	1/2 "
54	" " Gouges	..	"	..	1/2 "
55	Long Pod " Chisels	..	"	..	1/2 "
56	" " Gouges	..	"	..	1/4 "
57	Dog Leg Chisels	..	"	..	1/8 "

Handling:—

Ash or Beech, to 1 in., 4/6; above 1 in., 6/- per doz. extra.
 Boxwood .. " 8/-; " " 10/- " "
 Rosewood .. " 10/-; " " 12/- " "
 Ground sharp, 1/5 per doz. extra; ground sharp and set ready for use, 2/4 per doz. extra.

Chip Carving Knives

Fig. 5213



PRICE .. 14/- per doz.; 1/2 each.

Fig. 5216

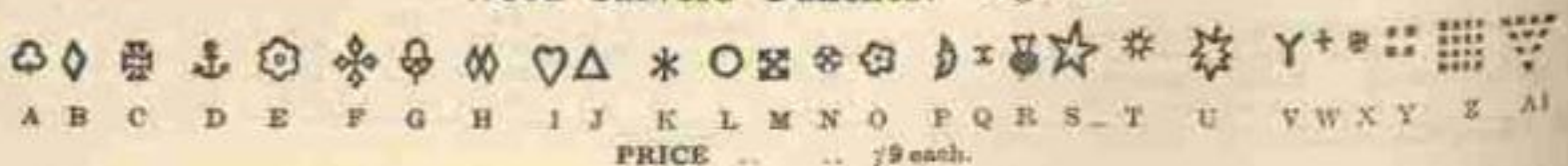


PRICE .. 28/- per doz.; 2/4 each.
 Other patterns supplied to order.

Handicraft Tools and Appliances

to all requirements.

Wood Carvers' Punches. Fig. 5220



2, WHITECHAPEL ROAD, LONDON, E.1.

C.S. London Pattern Screwdrivers

Flat Beech Handles. Fig. 5323

Length of Blade	3	4	5	6	7	8	9	10	12	14	16	18 in.
PRICE	9/-	10/-	12/-	14/-	17/-	20/-	24/-	28/-	32/-	38/-	56/-	68/- doz.



C.S. Cabinet Screwdrivers

Worked Oval Handles. Brass Ferrules. Fig. 5324

Length of Blade	3	4	5	6	7	8	9	10	12 in.
PRICE, Oval Beech Handles	11/-	12/-	15/-	17/-	21/-	24/-	28/-	32/-	38/- doz.
" " Boxwood "	15/-	16/-	20/-	24/-	28/-	33/-	38/-	42/-	48/- ..



Fancy Turned Oval Handle Cabinet Screwdrivers

Steel Ferrules. Fig. 5325

Length of Blade	2	3	4	5	6	7	8	9	10	12 in.
Price, Beech Handles	6/6	7/-	8/-	10/-	12/-	14/-	16/-	18/-	20/-	24/- doz.
" Boxwood "	8/6	9/6	10/6	13/-	16/-	18/-	21/-	23/-	26/-	32/- ..



Champion Screwdrivers (Made in U.S.A.)



Fig. 5327

Handle in well-seasoned Apple Wood. Every Blade is tested to split a screw head. Intended for and will stand hard work.											
Size	2 1/2	3	4	5	6	7	8	9	10	12 in.	
PRICE	1/6	1/9	1/10	2/-	2/3	2/7	3/11	3/8	3/8	4/4 each	

Fluted Handle Screwdriver

Fig. 916



Stained and Polished Beechwood Handles
Steel Ferrules

Electricians' Type, 3/8 in. Blade

Size	3	4	5	6	7	8	10	12 in.
PRICE	7/9	7/11	1/-	1/-	1/-	1/1	1/1	1/2 each

Engineers' Type

Size	3 x 3/8	4 x 1/2	5 x 3/4	6 x 1	7 x 1 1/4	8 x 1 1/2	10 x 2	12 x 2 1/2 in.
PRICE	7/9	7/11	1/1	1/1	1/4	1/5	1/8	1/9 each

"Hercules" Screwdriver (Made in U.S.A.)

Fig. 101



Blades are of extra fine special steel and are heat treated. They are exceptionally strong and "springy" and when bent under great pressure spring back straight and true. Handles are made of ordinary steel and after blades are inserted, both are securely forged together.

Length of Blade	2	3	4	5	6	8	10	12 in.
PRICE	1/3	1/5	1/6	1/9	2/1	2/10	3/6	4/2 each

"Hercules" Machinists' Screwdriver (Made in U.S.A.)

For Heavy Work. Fig. 102



Length overall	9 1/2 in.
Length of Blade	4 1/2 ..
Size of Square	3 ..
Width of Point	3 ..

PRICE .. 3/6 each

BUCK & HICKMAN, LTD.,

"Perfect Handle" Pattern Screwdrivers

Fig. 918



Solid cast steel blades run the whole length of handles. The inserts are of hardwood securely rivetted through.

Size overall	4 1/2	6	8	10	12 in.
PRICE	1/1	1/3	1/7	2/1	2/7 each

Round the Corner Screwdriver

Fig. 1571



5 in. long .. All Steel .. PRICE 7/8 each.

Strong Motor Screwdrivers

Fig. 5343



PRICE .. 1/2 each

Electricians' Screwdrivers

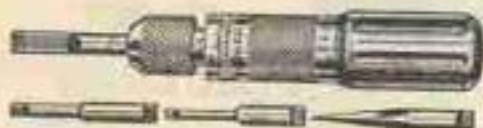
Fig. 5342



	3	4	5	6	8 in.
Octagon Boxwood Handles	7/10	7/11	1/5	1/5	1/4 each
" Walnut "	7/10	7/11	7/11	1/5	1/1 "

Goodell Pocket Screw-Driver Set (Made in U.S.A.)

Fig. 5893. (G.P. No. 231)



This is a convenient and practical tool. The set consists of a hollow handle, with a chuck, three small screw-driver blades and a reamer. When not in use the chuck and blades are contained inside the handle. Blades are made of tool steel. Handle is polished, nickel plated, and buffed. It is 3 1/4 in. long when closed and weighs 4 oz.

PRICE .. 3/4 each

Lucas Patent Pocket Screwdriver

Nickel-plated Fig. 63

This screwdriver is of the "Propeller" type, and when not in use blade is concealed in barrel. Blade of toughened steel.

Length, when closed, 4 1/8 in. PRICE 2/6 each.



Starrett's Jewellers' Screwdrivers (Made in U.S.A.)

Fig. 4150 (No. 555)



No.	Handle	in. diam.	width of blade	025 in.	PRICE
555A.	"	"	"	040 "	2/3
555B.	"	"	"	055 "	each
555C.	"	"	"	070 "	
555D.	"	"	"	080 "	
555E.	"	"	"	100 "	

Set of 5, 13/6. Extra blades, 7/9 each.

Starrett's Magazine Screwdriver (Made in U.S.A.)

Fig. 4151 (No. 557) Containing 4 blades

PRICE, complete, 8/6. Extra blades, 7/9 each.



Pocket Screwdrivers. Fig. 4149 (No. 553) (Made in U.S.A.)



For the pocket, slacken chuck and reverse blade end for end.

No. 553A.	Handle 1/2 in. diam., blade 1 1/2 in. long, weight 1/2 oz.	PRICE 1/9 each
" 553B.	" 3/4 in. diam., blade 1 1/2 in. long, weight 1/2 oz.	" 2/3 "

Extra blades, 7/9 each

Screwdriver for Eye Glasses (Made in U.S.A.)

Fig. 4152 (No. 556)



PRICE .. 1/6 each

2, WHITECHAPEL ROAD, LONDON, E. 1.

Millers Falls Spiral Ratchet Screwdriver (Made in U.S.A.)

Fig. 64

(M.F. Nos. 61, 62, and 67)

An improved spiral ratchet screwdriver having spiral action

for driving or withdrawing screws, right and left hand ratchet movements; and a device for making it rigid. These actions are plainly marked on the shifter sleeve, which is quickly and easily operated. The spiral locking device is of new design, positive in action, and especially rigid. Stained hardwood handle. Metal parts polished and nickel-plated.

No.	61	62	67
Length, extended, with bit inserted	20 1/2	26 1/2	12 1/2 in.
closed	14 1/2	17 1/2	9 1/2 "
Weight, each (without blades)	16	24	8 oz.
PRICE	11/9	16/-	10/- each

Three Blades of different sizes furnished with each tool.

Millers Falls Spiral Ratchet Screwdriver (Automatic Return) (Made in U.S.A.)

Fig. 64A

(M.F. Nos. 610, 620 and 670)

Metal parts polished and nickel plated



Similar design to Fig. 64 with the addition of a spring in the handle. With the spring the tool works on the principle of an automatic drill in which the handle is pushed and quickly returns for the next stroke.

No.	610	620	670
Length, extended, without blades	18 1/2	24 1/2	11 1/2 in.
closed	12 1/2	16 1/2	8 1/2 "
Weight, each	18	27	9 oz.
PRICE	13/9	18/9	11/8 each

Three blades of different sizes are furnished with each tool.

Goodell Spiral Ratchet Screwdriver (Made in U.S.A.)

Fig. 5338 (No. 111)

Capable of either right or left hand work automatically, or by using the ratchet mechanism, or can be made stationary.

Length extended 19 in.
Angle of Spiral 20°



Three blades are furnished with each tool.

PRICE .. 11/3 each

Millers Falls Ratchet Screwdrivers (Made in U.S.A.)

Fig. 5900. (M.F. No. 63)

Fig. 5900A. (M.F. No. 59)



Hardwood Handle, exposed parts nickel-plated.
Operates right or left hand or solid.

Size	2	3	4	5	6	8 in.
PRICE	2/8	3/2	3/6	3/9	4/2	4/9 each



Hardwood Handle, exposed metal parts nickel-plated.
Operates right or left hand or solid.

Length of blade, 1 1/2 in. Overall length, 6 1/2 in.
PRICE .. 4/2 each

Millers Falls Ratchet Screwdriver (Made in U.S.A.)

Fig. 6482. (M.F. No. 55)

Particularly suitable for wireless, electrical and other light work where small screws are used. Operates right or left hand or solid.

Length of Blade	2	3	4	5	6 in.
PRICE	2/9	3/-	3/2	3/3	3/4 each



2, WHITECHAPEL ROAD, LONDON, E. 1.

"Yankee" Spiral Ratchet Screwdriver (Made in U.S.A.)

Fig. 5341 (Nos. 30A & 31A)



Advantages.—Simplicity, compactness, strength, durability: can be used either as a ratchet, a spiral, or a rigid Screwdriver.

The change from right to left hand for either spiral or ratchet is made by moving slide to either end of the slot. A new feature is the locking device for holding the spiral rod rigid when closed or expanded. The Chuck for holding bits is simple and positive in its grip. The bits are thoroughly tested before leaving the factory.

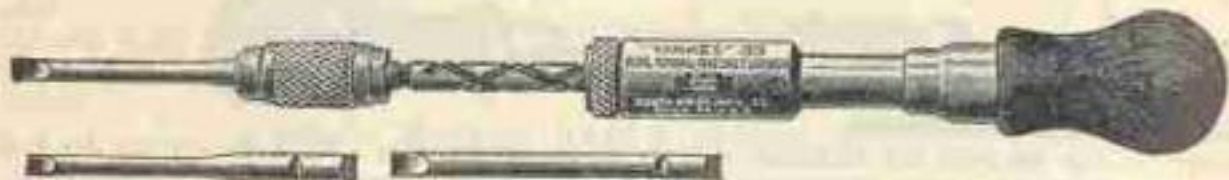
No. 30A	3 Bits are supplied with each tool.	Length when extended, 18½ in.	..	..	PRICE	12/2 each
.. 31A	3	 25½ ..	..	..	..	16/4 ..

Fig. 5894 (Nos. 130A & 131A)

No. 130A Quick Return. Similar to No. 30A, except that it has a spring in handle causing handle to return automatically

.. 131A Heavy Pattern.	Similar to No. 31A, but with spring as No. 130A	.. .. .	..	..	PRICE	13/11 each
						18/9 ..

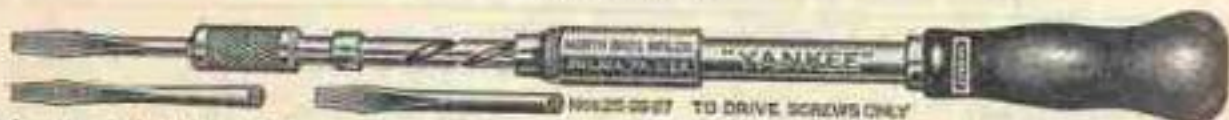
Fig. 5895 (Nos. 35 & 135)



No. 35.	Light Pattern.	Similar to No. 30 except that it measures only 7 in. without bit. Length with bit in chuck 9½ in. when closed, 12½ in. when extended	..	..	..	..	..	..	..	PRICE	9/1 each
.. 135.	Quick Return.	Similar to No. 35 but with spring action	..	..	..	..	..	..	..	..	10/10 ..

Fig. 5896A (Nos. 25, 26, & 27)

Right hand only



No. 25.	Length extended, 13½ in., 8/9 ea.	No. 26.	Length extended, 20½ in., 10/11 ea.	No. 27.	Length extended, 29½ in., 14/2 ea.
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Fig. 5896R (Nos. 125, 126 & 127)

Automatic Return

Similar to Fig. 5896A but has spring in handle which causes automatic return.

No. 125.	Length extended 14½ in., 9/5 ea.	No. 126.	Length extended 22 in., 11/8 ea.	No. 127.	Length extended 29½ in., 15/3 ea.
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"Yankee" Ratchet Screwdrivers (Made in U.S.A.)

Fig. 5340 (No. 10)



This Screwdriver will operate either right or left hand, or can be fixed rigid. The adjustments are obtained by means of a small slide. The friction of ratchet is reduced to a minimum, and the construction is such as to obviate wear and breakage, also permitting a very compact arrangement, which reduces size and weight.

Length of Blade	..	..	..	..	2	3	4	5	6	8	10	12 in.
PRICE	..	..	..	..	2/8	3/4	3/6	3/10	4/4	4/11	5/10	6/6 each

"Yankee" Ratchet Screwdriver (Made in U.S.A.)

Fig. 5897
(No. 12)



Right and
left hand
and rigid.

This tool is similar to No. 10 except that the shifter moves transversely and that the blade is only 1½ in. long, designed specially for gunsmiths, fitters, mechanics, etc.

PRICE .. 3/10 each

"Toga" Ratchet Screwdriver. Fig. 917



British Made. Best Quality and Superior Finish.

Size	..	..	..	..	2	3	4	5	6 in.
PRICE	..	..	..	..	2/2	2/3	2/4	2/5	3/6 each

Light pattern in 2 and 3 in. sizes at same prices.

Marking Gauge

Fig. 5358



Best Beechwood
PRICE .. 1/4 each

Cutting Gauge

Fig. 5357



Best Beechwood
PRICE .. 1/9 each

Combination Mortice & Marking Gauge

Fig. 922



Best Beechwood
Brass Slide and Thumbcrew
PRICE .. 2/6 each

Hardwood Cutting Gauge

Fig. 5360



Hooped Stems
PRICE .. 4/ each

Mortice Gauge

Fig. 5361



With Brass Slide. Rosewood.
PRICE .. 4/2 each

Mortice Gauge

Fig. 5362



With Brass Slide. Plated Head
PRICE .. 5/6 each

Mortice Gauge

Fig. 5363



With Brass Slide. Head faced with Brass
PRICE .. 6/6 each

Mortice Gauge

Fig. 5364



Rosewood
Plated Head. End Thumbcrew
PRICE .. 7/9 each

Registered Mortice Gauge

Fig. 5366



Brass Stem. Ebony Head. Head faced with Brass
PRICE .. 12/6 each

Stanley Gauges (Made in U.S.A.)

For Rabbeted Jambs



No. 92. Cutter "A" marks from jamb in rabbet; "B" from edge of door engaged in closing; "C" thickness of butt.

Dotted lines show gauge when set to be used as Mortice Gauge.

Rosewood Head, Brass Slide, Screw Adjustment. Graduated in 16ths in. for 3 in.

PRICE .. 10/ each

Metal Bar Gauges

Fig. 5367 (Nos. 97 and 98)

Bars 6 1/2 in. long graduated in 16ths in.



No. 97. Metal Head, Pin Point and Roller Cutter .. 4/3 each



No. 98. Metal Head, Pin Point and Roller Cutter .. 6/6 each

Stanley Marking Gauge (Made in U.S.A.)

Fig. 5359 (No. 61)



Square Head. Beech. Boxwood Screw. Rule Marked Stem.
PRICE .. 1/ each

Wood Spokeshaves

Plain Fig. 5369



Size	2	2 1/2	3	3 1/2	4	in.
Beechwood	21/-	21/-	21/-	24/-	28/-	32/- per doz.
Boxwood	30/-	31/-	32/-	38/-	45/-	53/-
Cast Steel Irons only	6/3	6/7	6/11	8/6	9/6	10/10

Plated Face. Screwed Iron Fig. 5371



Size	2	2 1/2	3	3 1/2	4	in.
Beechwood	54/-	54/-	54/-	60/-	68/-	77/- per doz.
Boxwood	72/-	72/-	72/-	79/-	90/-	105/-
Cast Steel Irons, Screwed Tangs	12/9	12/9	12/9	13/6	14/11	14/11

Plated Face Fig. 5370



Size	2	2 1/2	3	3 1/2	4	in.
Beechwood	27/-	27/-	27/-	30/-	36/-	45/- per doz.
Boxwood	39/-	41/-	42/-	49/-	57/-	68/-
Cast Steel Irons only	6/3	6/7	6/11	8/6	9/6	10/10

Bailey's Iron Spokeshaves (Made in U.S.A.)

These Spokeshaves have cutters made from a high grade of steel, well tempered and sharpened, ready for use.

Fig. 5373 (No. 51)



- No. 51. Double Iron, Raised Handle, 10 in. long, 2 1/2 in. Cutter. PRICE 1/6 each. Extra Cutters 8/- per doz.
- No. 52. Double Iron, Straight Handle, 10 in. long, 2 1/2 in. Cutter. PRICE 2/3 each. Extra Cutters 8/- per doz.

Fig. 5374 (No. 53)



- No. 53. Adjustable Mouth, Raised Handle, 10 in. long, 2 1/2 in. Cutter. PRICE 2/- each. Extra Cutters 8/- per doz.
- No. 54. Adjustable Mouth, Straight Handle, 10 in. long, 2 1/2 in. Cutter. PRICE 2/9 each. Extra Cutters 8/- per doz.

Fig. 5935 (No. 63)



- No. 63. Double Iron, Light, Convex Bottom, 9 in. long, 1 1/2 in. Cutter. PRICE 1/3 each. Extra Cutters 6/3 per doz.

Fig. 5936 (No. 64)



- No. 64. Double Iron, Light, Straight Bottom, 9 in. long, 1 1/2 in. Cutter. PRICE 1/3 each. Extra Cutters 6/- per doz.

Fig. 5376 (No. 55)



- No. 55. Double Iron, Hollow Face, Raised Handle, 10 in. long, 2 1/2 in. Cutter. PRICE 2/- each. Extra Cutters 8/- per doz.

Fig. 5937 (No. 151)



- No. 151. Adjustable Cutter, Raised Handle, 10 in. long, 2 1/2 in. Cutter. PRICE 2/3 each. Extra Cutters 8/- per doz.
- No. 152. Adjustable Cutter, Straight Handle, 10 in. long, 2 1/2 in. Cutter. PRICE 3/- each. Extra Cutters 8/- per doz.

Stanley's Universal Spokeshave (Made in U.S.A.)

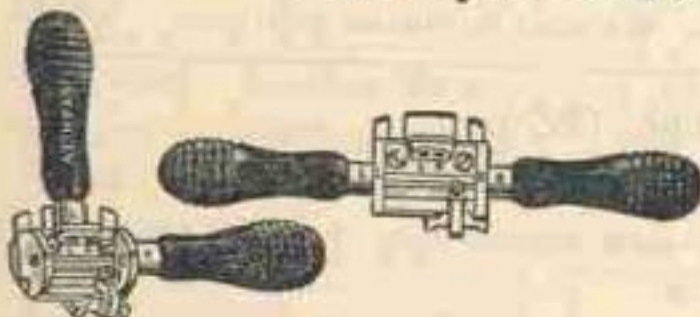
Fig. 5381 (No. 67)

For curved or straight work

Both Handles are detachable, and either of them can be screwed into a socket on top of the stock, thus enabling the operator to work into corners or panels.

9 1/2 in. long, 1 1/2 in. Cutter.

PRICE 9/- each. Extra Cutters 19/- per doz.



Iron Spokeshaves

Fig. 6444



9 in. long. Width of Cutter $1\frac{1}{2}$ in.
Flat or Round Face

PRICE $1/1$ each. Extra Cutters $5/$ per doz.

Fig. 6444A



10 in. long. Width of Cutter $2\frac{1}{2}$ in.
Flat or Round Face

PRICE $1/6$ each. Extra Cutters $8/$ per doz.

Fig. 6444B



10 in. long. Width of Cutter $2\frac{1}{2}$ in.
Mouth adjustable for fine or coarse work

PRICE $2/$ each. Extra Cutters $8/$ per doz.

Fig. 6444C



10 in. long. Width of Cutter $2\frac{1}{2}$ in.
Fitted with patent adjustment to cutting iron.
Flat or Round Face

PRICE $2/3$ each. Extra Cutters $8/$ per doz.



Fig. 6445

10 in. long. Width of Cutter 2 in.
Fitted with patent Direct or Lateral Adjustment.
Hollow Raised Handles. Flat or Round Face.
PRICE $5/6$ each. Extra Cutters $8/$ per doz.

Fig. 924



Tungsten Steel Cutters

10 in. long. Width of Cutter $2\frac{1}{2}$ in.
Adjustable Cutter.

No. 0151. Flat Face PRICE $2/3$ each
No. 0151R. Round Face .. $2/3$..
Extra Cutters .. $8/$ doz.

Fig. 925



Tungsten Steel Cutters

10 in. long. Width of Cutter $2\frac{1}{2}$ in.

No. 051. Flat Face PRICE $1/6$ each
No. 051R. Round Face .. $1/6$..
Extra Cutters .. $8/$ doz.

Fig. 927



Tungsten Steel Cutters

Adjustable Mouth. Raised Handles.
10 in. long. Width of Cutter $2\frac{1}{2}$ in.

No. 053 PRICE $2/$ each
Extra Cutters $8/$ doz.

Fig. 928



Tungsten Steel Cutters

10 in. long. Width of Cutter $2\frac{1}{2}$ in.

No. 055 PRICE $2/$ each
Extra Cutters $8/$ doz.

Fig. 929



Tungsten Steel Cutters

9 in. long. Width of Cutter $1\frac{1}{2}$ in.
Round Face

No. 063 PRICE $1/3$ each
Extra Cutters $6/$ doz.

Fig. 933



Tungsten Steel Cutters

9 in. long. Width of Cutter $1\frac{1}{2}$ in.
Flat Face

No. 064 PRICE $1/3$ each
Extra Cutters $6/$ doz.

Fig. 934



All Steel Spokeshaves

(Unbreakable)

With Tungsten Steel Cutters

Fig. 946



10 in. long. Width of Cutter $2\frac{1}{2}$ in.

No. A151. Flat Face PRICE $3/$ each
No. A151R. Round Face $3/$..
Extra Cutters $8/$ per doz.

No. A51. Flat Face PRICE $2/3$ each.
No. A51R. Round Face $2/3$..
Extra Cutters $8/$ per doz.

2, WHITECHAPEL ROAD, LONDON, E. 1.

Patent Lining or Stringing Router

Fig. 5386



PRICE, as illustrated, 7/6 each. Cutters 7/4 each

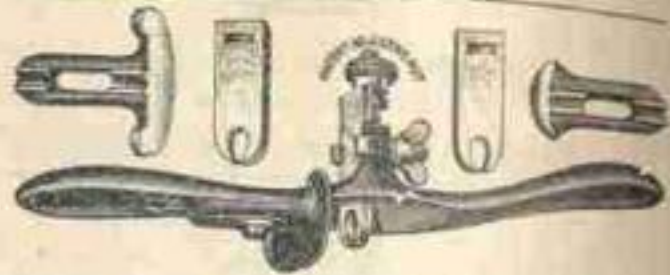
Suitable for inlaying "strings" and "bands." The Adjustable Sliding Rod will be found useful for inlaying curves. Supplied with 4 cutters, from $\frac{1}{8}$ to $\frac{1}{2}$ in. wide, and one Reversible Fence. Cutters have patent adjustment for depth.

Patent Adjustable Circular Quirk or Grooving Router Fig. 5387

Cutters adjusted by means of milled nut, which also acts as stop, and prevents them being forced back when in use.

Complete with one Cutter each, $\frac{1}{8}$, $\frac{1}{4}$ and $\frac{3}{8}$ in., and 3 Fences, one each for straight, inside and outside curves.

PRICE 13/6 each. Cutters 2/ each



Adjustable Box Scraper (Made in U.S.A.)

Fig. 5382. (No. 70)

Japanned, Maple Handle, 13 in. long; 2 in. Blade
PRICE 4/ each. Extra Cutters 11/ per doz.



"Record" Adjustable Box Scraper

Fig. 935

Ash Handle, 13 in. long; 2 in. Blade.

No. 070; PRICE 4/ each. Extra Cutters 11/ per doz.



"Record" Cabinet Scraper

Fig. 936

The Scraping Iron is made to cut freely by springing it to a slight curve by adjusting the thumb-screw. The Iron has two scraping edges, and is reversible.
11 1/2 in. long. Width of Cutter 2 1/2 in.

PRICE 4/6 each. Extra Cutters 15/ per doz.



Stanley Hand Bearer. Fig. 5383. (No. 66) (Made in U.S.A.)

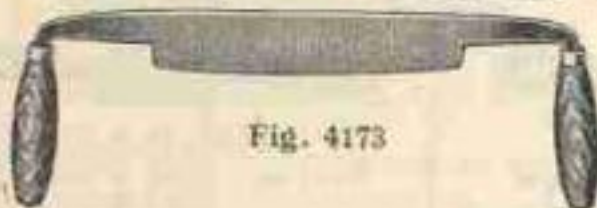
Each bearer furnished with a square gauge for straight work and an oval gauge for curved work. Eight steel cutters go with each tool. Both ends are sharpened, thus embracing six single beads, two fluting tools, four reeding tools, two routers and a blank.

Nickel plated, 41 1/2 in. long. PRICE, complete, 8/ each. Extra Cutters 7/6 each



Cast Steel Carpenter's Drawing Knife

Fig. 4173



Size	..	..	8	9	10	11	12 in.
PRICE	..	..	42/9	45/	48/	52/6	57/ per doz.
Size	..	..	13	14	15	16 in.	
PRICE	..	..	62/3	68/3	73/6	81/	per doz.

Striking Knife Fig. 4172



PRICE, as illustrated, 1/2 each. War Office pattern, 1/6 each
Handled, 1/8 each (Technical pattern)

Shouldered Marking Awls. Fig. 5982

PRICE, 3 in., 3/6; 4 in., 4/6; 5 in., 6/ per doz.

Gent's Drawing Knife

Boxwood Handles. Fig. 4174

Size	..	..	5	5 1/2	6	6 1/2	7	7 1/2	8 in.
PRICE	..	..	36/	39/	42/	45/	48/	51/	54/ per doz.

Mast Maker's Drawing Knife

Fig. 5898



Size .. 12 13 14 in.

2 1/2 in. wide 79/6 84/ 89/6 per doz.

Langdon Mitre Box (Made in U.S.A.)

Fig. 5574

These boxes are very light in weight, easily portable, and are especially convenient to paperhangers in cutting small picture or other mouldings, and for general use where light mouldings are to be worked.



No. 15½. Complete with Saw, 16×2½ in. Weight, 8 lb. .. PRICE 54/- each
 " 16½. " " 16×2 " " 7 " .. " 47/6 "

Capacity, 4½ in. at right angles; 3 in. at mitre.

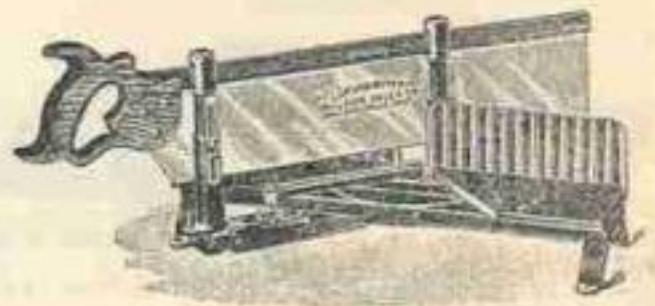
New Langdon Mitre Box (Made in U.S.A.)

Fig. 5575

We warrant all Langdon Mitre Boxes to do perfect work when supplied with back saws fitted by makers.

N.B.—Saws are measured extreme length of blade. For convenience of the operator, the corner of blade under handle is clipped off as shown on illustration. Order by the number.

	No.	Capacity	Saw	PRICE
Size 1	17	6½ in. right angle,	{ 18×4 in. ..	£3 1 0
		4½ in. mitre		
Size 2	23	9½ in. right angle,	{ 24×4 " ..	4 0 0
		6½ in. mitre		
Size 2½	25		{ 28×5 " ..	4 15 0



New Langdon Improved Mitre Box (Made in U.S.A.)

Fig. 5938

Similar to Fig. 5575, but provided with circular arms so that it may cut not only any angle from 45° to 90°, but also at any angle from 15° to 90°, on 2½ in. stock, as shown by diagram.



	No.	Capacity	Saw	PRICE
Size 1	29	6½ in. right angle, 4½ in. mitre	24×4 in. ..	£4 0 0
			{ 24×4 " ..	4 7 6
Size 2	{ 32 33	9½ in. right angle, 6½ in. mitre	{ 26×4 " ..	4 11 6
			{ 28×5 " ..	5 2 6
Size 2½	34			

Millers Falls Mitre Box (Made in U.S.A.)

Fig. 5589 (No. 110)

This box is made entirely of steel, is simple in design, has but few parts and adjustments are quickly made.

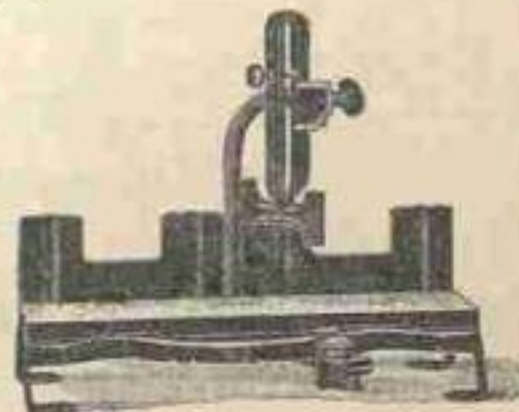
Can be used with either back or panel saw.

Adjustable saw guide with device for squaring with base and back.

Notches for all positive angles. Clamping device for intermediate angles.

PRICE 29/- each

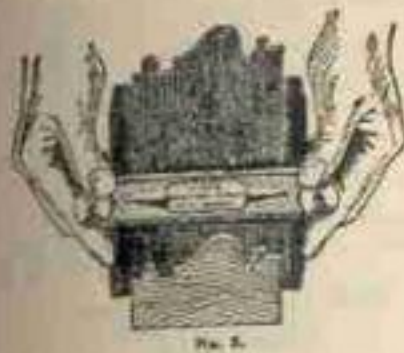
No saw furnished with this box.



2, WHITECHAPEL ROAD, LONDON, E.1.

The "Maco" Adjustable Template

Fig. 5940



This tool is designed for securing the profile or shape of anything in a few seconds. It is composed of hundreds of very fine pieces of hard drawn brass, the thickness of each being .007 in. These are held in position by two specially constructed clamps, secured by two thumb-screws and springs, by the tension of which the laminations take the shape of anything they are pressed against.

Nos. 4 and 5 are fitted with Guide Bar, which slides in unison and maintains the laminations in correct position whenever a profile is being taken.

A Recorder Frame can be supplied for Nos. 2 to 5 inclusive, which enables a profile to be recorded on a card index.

No.	1	2	3	4	5
Size	2	4	6	9	12 in.
PRICE	10/6	21/-	30/-	80/-	150/- each
" with spirit level	—	30/-	39/-	90/-	160/- "
" extra for recorder frame	—	6/9	7/6	12/-	15/- "

Screw Boxes and Taps

Fig. 5814. For Making Wooden Screws

Diam.	1/2	1/2	1/2	1/2	1/2	1 1/4	1 1/2	1 3/4	2	2 1/2	2 3/4 in.
PRICE	10/3	10/3	11/6	13/3	14/6	16/6	23/-	29/-	37/6	49/3	60/9 each



Screw Plates and Taps for Wooden Screws

(Foreign)

Fig. 6480



With Metal Bodies

Diameter	1/10	1/12	1/16	1/20	1/25	1 1/32	1 1/32	1 1/16	2	2 1/2	2 3/4 in.
PRICE, complete with top	13/3	13/3	14/-	16/3	19/3	24/-	48/6	69/6	85/-	99/3	117/9 each
" top only	4/8	4/6	4/9	6/3	8/-	12/3	15/9	24/-	30/3	38/9	48/6 "

1/2 to 1 1/2 in. sizes have only one handle. 1 1/2 to 2 3/4 in. have two handles as illustrated.

The "A 1" Fretsaw

Fig. 5949



Designed to secure great rigidity.

Table is fitted with patent tilting arrangement.

Wooden arms provide swing of 19 in. between saw and the back frame and are kept from warping by adjustable steel trusses.

Arm is automatically raised and brought to rest when saw breaks by counter balance spring fitted to back end of top wooden arm.

Saw blades secured by patent lever clamps. Balance wheel spindle arranged to hold a drill.

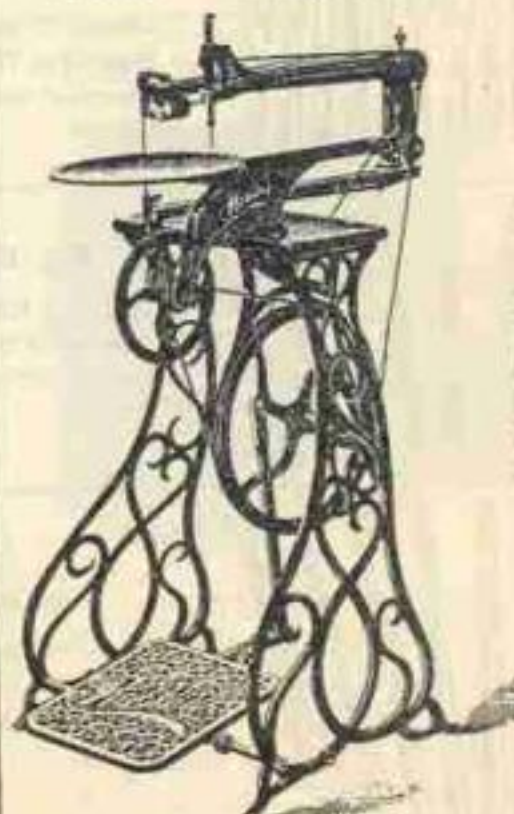
Machine supplied with 12 saws, one drill bit, screwdriver and spanner.

PRICE £2 15 0 each

The "Imperial" Fretsaw

With Drilling Attachment

Fig. 6469



A most complete and popular treadle machine.

The arms, which are kept rigid by means of adjustable trusses, have a swing of 19 in. between the saw and the frame. They work on knife edges, and are fitted with connecting links, which prevent them from flying off.

Diameter of Tilting Table is 10 1/2 in.

The machine is also fitted with a very useful metal tray and drilling attachment.

The spring-open clamps securely grip even the finest saw.

PRICE £4 10 0 each

BUCK & HICKMAN, LTD.,

Brown & Sharpe's Nail Sets (Made in U.S.A.)

Fig. 5742



These Nail Sets are of tool steel carefully hardened. They are of convenient sizes, about 4 in. in length and are knurled to give a good finger grip. The points are concave and the edges rounded.

No.	Diameter at Point in.	PRICE each
782	$\frac{1}{8}$	1/-
	$\frac{3}{16}$	1/-
	$\frac{1}{4}$	1/-
	$\frac{5}{16}$	1/-
	$\frac{3}{8}$	1/3

PRICE 11/6 per doz.

Starrett's Nail Sets (Made in U.S.A.)

Fig. 5743. (No. 116)



Length 4 in.
Diameter at tip, A .. $\frac{1}{8}$ in.
" " B .. $\frac{3}{16}$ in.
" " C .. $\frac{1}{4}$ in.
" " D .. $\frac{5}{16}$ in.
PRICE 7/9 each

In plain box
PRICE 7/9 per doz.

If fitted in round wooden box, holding one doz., assorted, PRICE 9/- per doz.

Nail Holder and Set Combined

Fig. 5744. (No. 119)

PRICE 1/6 each

Best London Made Cast Steel Brad Punches

Fig. 5745. Carpenters' Flooring Punches, 7/8 each. Fig. 5746. Carpenters' Brad Punches, round or square ends, 7/5 each.



Millers Falls Nail Sets (Made in U.S.A.)

Fig. 5983. (Nos. 451/5 & 4501)

Square head prevents punch rolling on inclined surface. 4 in. long $\times$ $\frac{3}{8}$ in. body.
No. 451, $\frac{1}{2}$ in.; No. 452, $\frac{3}{8}$ in.; No. 453, $\frac{1}{2}$ in.; No. 454, $\frac{3}{4}$ in.; No. 455, $\frac{1}{2}$ in.; No. 4501, 1 doz. assorted. PRICE 6/3 per doz.

Millers Falls "O.K." Nail Sets (Made in U.S.A.) Fig. 5984. (No. 310). Blued Finish

Body diam. .. $\frac{1}{8}$ $\frac{3}{16}$ $\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$ in.
Points diam. .. $\frac{1}{16}$ $\frac{1}{8}$ $\frac{3}{16}$ $\frac{1}{4}$ $\frac{5}{16}$ in.

PRICE, 4 in. long $\frac{41}{8}$ per gross



Millers Falls Tool Holders (Made in U.S.A.) Fig. 5319

These tools are made from high grade steel and carefully tempered and finished and honed to a fine cutting edge. The tools are contained in the handle, which has a screw cap. The jaws hold tools shown in the illustration, also a variety of other kinds of shanks.



Fig. 5319. No. 1

Length of Handle .. 6 in.
Number of Tools .. 20
Length of Tools .. $1\frac{1}{2}$ in.
PRICE .. 7/6 each



Fig. 5319. No. 4

Length of Handle .. $6\frac{1}{2}$ in.
Number of Tools .. 10
Length of Tools .. $2\frac{1}{2}$ in.
PRICE .. 10/6 each



Fig. 5319. No. 5

Length of Handle .. $7\frac{1}{2}$ in.
Number of Tools .. 10
Length of Tools .. 4 in.
PRICE .. 14/2 each



2, WHITECHAPEL ROAD, LONDON, E.1.

Carpenters' Tool Cabinets

Fig. 923

These Cabinets have been prepared with the utmost care and deliberation. The Cabinets are well made in seasoned and polished English Oak. The Tools are the finest obtainable, and are such as any practical joiner would use.



ILLUSTRATION OF SET No. 2

Set No. 2

Polished Oak Case
28 in. x 17 in. x 8 in.
Fitted with 2 Drawers
and lock and key,
containing:—

- 12216. Skew back hand saw
- 1 12 in. Tenon saw
- 1 No. 4 Warrington hammer
- 1 No. 1 Adams eye hammer
- 1 7 1/2 in. Diamond plated square
- 1 4 in. Fancy boxwood screwdriver
- 1 8 in. Fancy boxwood screwdriver
- 1 8 in. Half-round bastard file
- 1 8 in. Hand bastard file
- 1 6 in. Half-round Cabinet rasp
- 1 2 in. Boxwood spokeshave
- 1 Small plane with blade
- 1 N.P. ratchet brace
- 1 Black centre bit
- 1 Black centre bit
- 1 Black turn-screw bit
- 1 Black shell bit
- 1 Black rose bit
- 1 Handled firmer chisel
- 1 Handled firmer chisel
- 1 Handled firmer gouge
- 1 Handled firmer gouge
- 1 Cutting gauge, beech
- 1 Mortice gauge, rosewood
- 1 6 in. Tower piners
- 1 5 in. Carpenter's mallet
- 1 1 pint glue pot and brush
- 1 No. 3 record plane
- 1 Pair 8 in. electrician's pliers
- 1 Pair 7 in. wing compasses
- 1 Handled marking awl
- 1 Brass punch
- 3 Assorted gimlets
- 3 Assorted bradaws
- 1 10 in. Spirit level
- 1 6 x 3 in. Cabinet scraper
- 1 2 ft. 4-fold Boxwood rule
- 3 Pile handles
- 1 Cork rubber
- 1 6 x 1/2 in. Cold chisel, set
- 1 8 x 2 x 1 in. Washita Oil-stone
- 1 Oak case for oilstone
- 1 Carpenter's pencil
- 1 Oilcan
- 1 Box screws and nails
- Durex glass paper

Set No. 1

Polished Oak Case
21 in. x 14 in. x 5 1/2 in.
Fitted with 2 Drawers
and lock and key,
containing:—

- 1 8 in. Diamond plated square
- 1 1 1/2 in. Handled firmer chisel
- 1 4 in. Carpenter's mallet
- 1 1 1/2 in. Handled firmer gouge
- 1 No. 1 Adams eye hammer
- 1 8 in. Tenon saw
- 1 No. 1 Warrington hammer
- 1 14 in. Hand saw
- 1 3 in. Fancy beech screwdriver
- 1 5 in. London pattern screwdriver
- 1 8 in. Hand bastard file
- 1 6 in. Cabinet rasp
- 1 8 in. Half-round bastard file
- 3 Pile handles
- 1 Nail claw
- 1 Pair 8 in. pliers combination
- 2 Gimlets
- 3 Bradaws
- 1 Pair 6 in. piners, tower
- 1 1/2 pint glue pot and brush
- 1 No. 0119 record plane
- 1 Pair 8 in. wing compasses
- 1 2 ft. 4-fold Boxwood rule
- 1 6 x 1/2 in. Cold chisel
- 1 Oilcan
- 1 Carpenter's pencil
- Assorted nails and screws
- Durex glass paper

These sets may be modified in many ways to customers' requirements

PRICE £3 17 6 complete

PRICE £5 6 0 complete

Portable Tool Chest Fig. 6118

Solid oak through-out.

4 or 5 drawers all lined with Feltette, dull finish.

Fitted with good English lock and leather handle.



Outside Dimensions			Drawers Inside	
Depth	Height	Length	Length	Depth
8 in.	10 1/2 in.	16 1/2 in.	14 1/2 in.	5 1/2 in.
PRICE, 4 Drawer	..	..	..	37/6 each
.. 5	..	..	..	42/-

Joiners' Tool Chests. Fig. 6119.

Fitted with tray or divisions

Size, 21 1/2 x 10 1/2 x 12 x 1/2 in. deal .. PRICE 50/- each

Linesmen's Tool Chests. Fig. 6120.

Fitted with tray

Size, 34 1/2 x 16 1/2 x 17 1/2 x 1 1/2 in. deal .. PRICE 90/- each

Upright Tool Cabinets for Walls. Prices on application.

Carpenters' Aprons. Fig. 5549. White Canvas.

PRICE 9/- each

Carpenters' Tool Chests Fig. 6117



Ash, dovetailed corners, side handles, hasps and staples.

Polished.

Furnished with small tray for nails, &c.

No.	Size in.	PRICE each	No.	Size in.	PRICE each
1	16 x 5 x 4	18/9	4	26 x 12 x 9	45/-
2	16 x 8 1/2 x 6	26/3	*5	28 x 12 x 10	52/6
3	20 x 9 x 8	33/9	*6	30 x 14 x 12	57/-

* Nos. 5 and 6 supplied with Drawer.
No. 10. Extra Heavy Pattern. PRICE 63/- each.

2, WHITECHAPEL ROAD, LONDON, E. 1.

BUCK & HICKMAN, LTD.,



Exeter or Rivetting Hammers
With Best Polished Oval Ash Handles

Fig. 5455

Size ..	00	0	1	2	3	4	5	6	7	8	9	10
Weight	4	5 1/2	6 1/2	8	9 1/2	11	12 1/2	14	16	18	21	23 oz.
PRICE	1/1	1/1	1/2	1/3	1/5	1/8	2/-	2/3	2/6	3/-	3/6	4/- ea.



Warrington Hammers
With Best Polished Oval Ash Handles

Fig. 5456

Size ..	00	0	1	2	3	4	5	6	7	8	9	10
Weight	6	8	10	12	14	16	18	20	22	25	28	31 oz.
PRICE	1/1	1/1	1/2	1/3	1/5	1/8	2/-	2/3	2/6	3/-	3/6	4/- ea.

Ball Pane Pin Hammer

Fig. 5788



PRICE
1/6 each

Cross Pane Pin Hammer

Fig. 5787



PRICE
1/6 each

These Hammers can now be furnished in Bronsteel Non-Sparking non-ferrous metal for use in danger zones.

Adze Eye Carpenters' Claw Hammers (Made in Canada)



Fig. 5551

"Garden City"

No. ..	..	..	32C	32B	32	32A	32D
Weight	..	..	7	13	16	20	24 oz.
PRICE	..	..	47/3	47/3	49/6	51/-	54/- per doz.

Plumb Nail Hammers (Made in U.S.A.)

Made in three finishes, viz.:—HF 70 and HF 80 series having black heads, red handles and screw wedges. No. 70 series highly polished heads, white hickory waxed handles. No. 129 series "Quaker City" polished heads, hickory handles.



Plain Face

Fig. 6401



Bell Face

SIZES AND PRICES

No.	Approx. Weight oz.	PRICE per doz.	No.	Approx. Weight oz.	PRICE per doz.	No.	Approx. Weight oz.	PRICE per doz.	No.	Approx. Weight oz.	PRICE per doz.
HF70	28	83/-	70	28	83/-	HF80	20	60/-	129	20	44/-
71	20	60/-	71	20	60/-	81	16	56/-	130	16	42/-
72	16	56/-	72	16	56/-	82	13	53/-	131	12	40/-
73	13	53/-	73	13	53/-	83	7	51/-			
						84	4	51/-			



Fig. 5457

Best Canterbury Hammers

With Best Oval Ash Handles

Size ..	..	0	1	2	3	4	5	6	7	8
Weight ..	..	10	12	14	16	20	24	26	28	32 oz.
PRICE	..	3/3	3/4	3/8	4/-	4/4	4/8	5/-	5/6	6/- each

Glazier's Hammer

Fig. 5479

PRICE 3/6 each



2, WHITECHAPEL ROAD, LONDON, E.1.

Tea Chest Hammers

Fig. 5478



A—Plain Face, Handled .. PRICE 4/10
B—Chequered Face, Handled 5/-

Grocers' Hammers

With Claw or Chisel End.

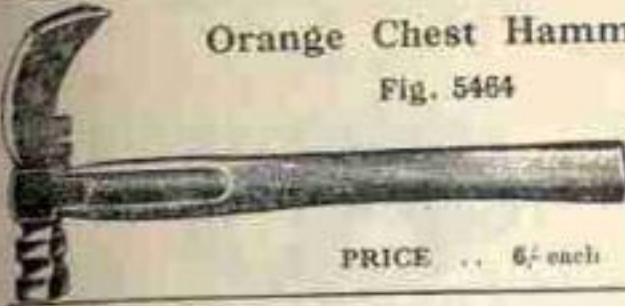
Fig. 5460



PRICE 5/9 each.

Orange Chest Hammer

Fig. 5464



PRICE .. 6/- each.

Boxmaker's Hammer

Fig. 5553

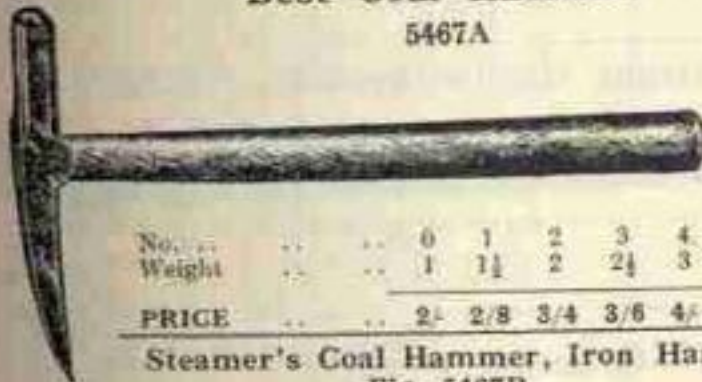


Weight 12 14 16 18 20 oz.

PRICE, Handled .. 5/6 5/6 5/6 6/- 6/- each

Best Coal Hammer

5467A



No. .. 0 1 2 3 4
Weight .. 1 1½ 2 2½ 3 lb.

PRICE .. 2/- 2/8 3/4 3/6 4/- each

Steamer's Coal Hammer, Iron Handle
Fig. 5467B

Extra heavy, 7/8 per lb. Average weight, 6 lb. each.

Goodell-Pratt Brass Hammers. (Made in U.S.A.)
Fig. 5550



Convenient and practical in any place where a soft hammer is desired.

No. 91 has steel handle with knurled grip. Others have polished hardwood handles.

No.	Head	Net Weight	PRICE
91	1 x 1½ in.	2 oz.	3/- each
92	1 x 1½ in.	4 ..	3/4 ..
93	1 x 2½ in.	8 ..	4/2 ..
94	1 x 3 in.	16 ..	5/- ..

Pin Maul Fig. 5472



PRICE 7/10 per lb.

Double Pin Maul

Fig. 5473



PRICE 1/- per lb.

Spalling Hammer

Fig. 5557



PRICE 7/9 per lb.

Mason's Punch Hammer

Fig. 5471



PRICE 7/10 per lb.

Mill Bills Fig. 5555



A. With Eyes
B. Without Eyes

PRICE 1/8 per lb.

Mason's Club Hammer

Fig. 5556



PRICE 7/10 per lb.

Stonebreaking Hammer

Fig. 5558



PRICE 7/10 per lb.

BUCK & HICKMAN, LTD.,

Wood Handled Ship Scrapers

Fig. 5511



PRICE 1/6 each

Solid Ship Scrapers with Socket

Fig. 5512



PRICE .. 2/6 each

Ship Scrapers Fig. 5954

Flat Steel $1\frac{1}{2} \times \frac{1}{8}$ in.; 10 in. long bent at end. PRICE .. 2/- each

Fig. 5954A

Chisel Pattern. Straight 12 in. handles Size 14 in., 1/4 each. 16 in., 1/8 each.



Caulking Mallets

Fig. 5559

Lignum Vitæ, with Ash Shafts

PRICE 12/- each

Sailmakers' Palms

Fig. 5953



A quality, 1/-; B quality, 1/3; C quality, 1/6 each.

Bright Marline Spikes Fig. 5510



Size	8	10	12	14	16 in.
PRICE	1/5	1/7	2/-	2/6	2/8 each

Sailmakers' Serving Mallets

Boxwood Fig. 5951

PRICE 4/- each

Sailmakers' Serving Boards

Fig. 5952

PRICE 4/6 each

Best Cast Steel Shipwrights' Caulking Tools

Fig. 5844



Straight Caulking Iron, 2/4 each

Fig. 5845



Bent Caulking Iron, 2/6 each

Fig. 5846



Single Crease Iron, $\frac{3}{16}$ in., 2/10; $\frac{1}{4}$ in., 3/-; $\frac{5}{16}$ in., 3/4 each

Fig. 5847



Double Crease Iron, 3/2 each

Fig. 5848



Sharp Iron, 2/6 each

Fig. 5849



Spike Iron, 2/4 each

Fig. 5850



Trenail Iron, 2/4 each

In sets of eight, 23/-. Other Patterns in Stock. Prices on application.

2, WHITECHAPEL ROAD, LONDON, E. 1.

Holbrook's (Made in U.S.A.)

Hide Faced Hammers Fig. 3658



For machinists, workers in brass or silver, jewellery manufacturers, or anyone who needs to strike a hard blow without bruising the material.

When worn out, the faces can be renewed at slight cost. The new faces need no fastening except a tight fitting in the shell.

No.	Weight lb.	Diam. of Face in.	PRICE each	Extra Faces per pair
0	1	1	5/8	2/
1	1 1/2	1 1/4	6/7	2/1
2	1 1/2	1 1/2	8/5	2/6
3	2	1 1/2	10/-	3/2
4	4	2	14/6	5/6
5	5	2 1/2	18/4	8/-

No. 0 has a shell or casting of bronze.

Raw Hide Mallets

Fig. 3659



These are light mallets, made entirely of hide (except the handle), and suited to a variety of uses.

No.	Diam. in.	Length in.	Weight oz.	PRICE per doz.
0	1	2 1/2	2	33/-
1	1 1/2	3 1/2	4	40/-
2	1 1/2	3 1/2	6	46/6
3	1 1/2	3 1/2	8	53/-
4	2	3 1/2	10	67/-
5	2 1/2	4 1/2	22	145/6
6	2 1/2	4 1/2	34	163/-

Patent Raw Hide Mallets

Fig. 3660. Loaded



Same size as ordinary Raw Hide Mallets Nos. 1 to 5 inclusive, but, having a central strip of soft metal rolled up with the hide, the weight is double without increasing the size.

No.	Diam. in.	Length in.	Weight oz.	PRICE per doz.
7	1 1/2	3 1/2	8	47/-
8	1 1/2	3 1/2	11	53/6
9	1 1/2	3 1/2	14	60/6
10	2	3 1/2	18	75/6
11	2 1/2	4 1/2	38	167/6

Miller Composition Mallets Fig. 5981

These mallets will not crack, chip or dry out.

Their laminated construction, built in one piece by a special process, ensures remarkable durability.



No.	Size in.	Weight Without Handle oz.	Overall Length in.	PRICE each
8	2 1/2 x 3 1/2	8	11	5/-
16	2 1/2 x 4 1/2	16	12	7/6
24	2 1/2 x 5 1/2	24	14	10/-

British Hide-Faced Hammers

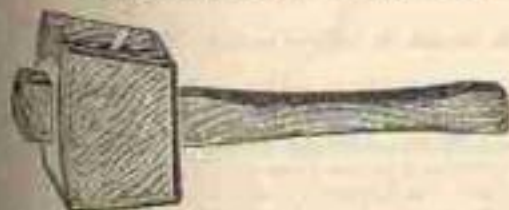
Fig. 3658B

No.	Approx. Weight lb.	Diam. of Face in.	PRICE each	Extra Faces per pair
0	1	1	2/6	1/-
1	1 1/2	1 1/4	3/-	1/4
2	1 1/2	1 1/2	3/8	1/8
3	2	1 1/2	5/-	2/-
4	3	2	7/6	3/-
5	6	2 1/2	10/3	4/6

British Raw Hide Mallets Fig. 3659B

No.	Approx. Weight oz.	Diam. in.	PRICE each
0	2	1	1/10
1	3	1 1/4	2/2
2	5	1 1/2	2/6
3	7	1 3/4	3/2
4	10	2	4/-
4A	12	2 1/4	5/6
5	16	2 1/2	7/-
6	20	2 3/4	7/8
7	24	3	8/8
8	30	3 1/2	11/-

Carpenters' Mallets Fig. 5785



Beech and Lignum Vita

Size	3	4	4 1/2	5	5 1/2	6	2 in.
PRICE, Beech	—	1/6	1/8	1/10	—	2/5	2/7 each
.. Lignum Vita	3/-	—	3/6	4/9	5/-	—	—

Masons' Mallets Fig. 5786



Size	6	7	8 in.
PRICE	3/9	5/3	7/2 each

2, WHITECHAPEL ROAD, LONDON, E. 1.

Best Lancashire Pincers

Fig. 5732



Size	6	7	8	9	10	12 in.
PRICE, Cutting ..	3/9	4/6	5/-	6/6	8/3	11/3 each
.. Joiners ..	2/-	2/6	3/-	7/-	9/9	12/6 ..

Tower Pincers

Fig. 5733



Size	6	7	8	9	10 in.
PRICE	2/-	2/6	3/3	3/9	5/- each

"Victor" Nail Puller

Fig. 5482

Jaws made of best steel. Warranted.

PRICE each

- A. Small size, 16 in. .. 9/-
B. Regular size, 19 1/2 in. 10/-
C. Extra large, 28 in. 18/-

Can also be furnished with claw hammer head runners.

Extra cost, A, 2/9; B, 3/-; C, 3/4



"Bahco" Nail Puller

(Foreign)

Fig. 6465

Well and strongly made and will stand hard use.

Made of specially selected Swedish steel.

Length 17 1/2 in.

PRICE 7/9 ea.



"Bahco" Case Opener

(Foreign)

Fig. 289

An exceedingly useful tool. Can be used as a hammer, nail puller, case opener or hatchet. No. 40 has a steel handle.

No. .. 40 41 42

Length of

Blade .. 1 1/2 2 1/2 3 1/2 in.

Overall length 9 1/2 12 1/2 20 1/2 in.

Approx. weight 1 1/2 4 1/2 lb.

PRICE .. 2/6 3/6 11/9 ea.

No. 41 can be supplied nickel-plated. PRICE 4/6 ea.



Best Warranted Case Opener. Fig. 5462



Length .. 12 14 16 18 inch

PRICE .. 5/- 5/3 6/- 6/9 ea.

The "Jaaco" Case Opener

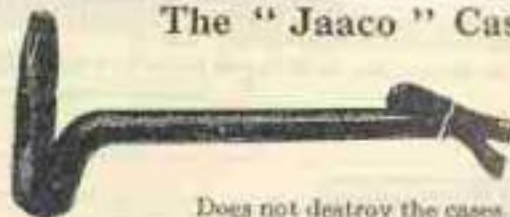


Fig. 5957

Does not destroy the cases. Made in one piece.

Strong and simple in operation.

PRICE, large, 6/-; small, 3/9 each

"Agripta" Case Binder

Fig. 6420

Combines both tensioning and sealing apparatus

Entirely British



Light to handle. Simple in action and speedy in use. Only one inch of overlap hooping is necessary.

Hooping round case is tightened with the tensioning lever; then join hooping with a seal by pressing sealing levers downwards.

Any good quality commercial hoop iron can be used.

Machine is made for 1/2, 3/4 or 1 in. hooping.

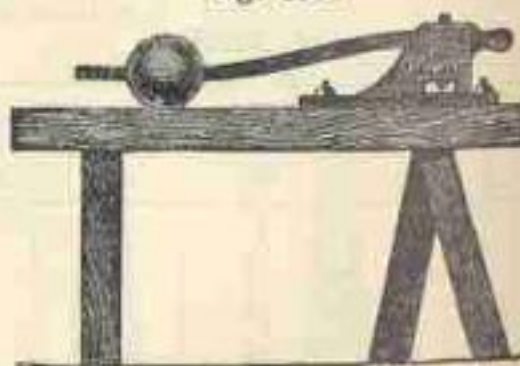
PRICE, complete Tensioning and Sealing Machine, 1/2 in., £9 9 0; 3/4 in., £10 10 0; 1 in., £12 12 0 each.

PRICE, Seals, for 1/2 in., 17/6; 3/4 in., 25/-; 1 in., 27/6; 1 1/4 in., 30/- per 1000

Large stock of suitable Hooping

Hoop Punching Machine

Fig. 5831



Fitted with improved slide, and does not easily get out of order.

No. 1. Machine, as illustrated, with wood stand, ball and extra punches.

No. 1A. Fitted with shears as well as punch, for cutting hoops to length.

No. 2. Made on heavier lines, and designed to punch heavier hoops. Will punch round or oval holes through hoops up to 1 1/2 in. x 16 w.g., and is a useful machine where the amount of punching to be done is not large. With wood stand and one round punch and die.

No. 3. For punching two oval or round holes at end of hoops in one operation. With wood stand, and fitted with two punches and one double die.

Prices on application

Plumb Felling Axes (Made in U.S.A.)

Fig. 5496P



Weight	3	3½	4	4½	5	5½	6	6½	7 lb.
PRICE, "Dreadnought"	95/3	100/-	104/9	109/3	114/-	118/6	123/-	132/3	141/6 doz.
"Magic City"	86/-	90/3	95/-	99/6	104/-	108/9	113/3	122/6	131/9 ..

Furnished in two finishes:—

"Dreadnought." Black, non-rusting head. Mahogany Hickory Handles.

"Magic City." Polished Head, with body painted blue. No. 2 grade Hickory Handles.

COLLINS' YANKEE FELLING AXES (Made in U.S.A.)

Fig. 5495. PRICES on application.

British Made Felling Axes. Fig. 5496B

Weight	3	3½	4	4½	5	5½	6 lb.
PRICE	8/8	7/-	7/3	7/8	7/9	8/3	8/9 each

Felling Axes, with Round Eyes, suitable for South America, can also be supplied.

Plumb Hunters' Axes (Made in U.S.A.)

Fig. 5493P



Two Finishes.
"HF" Black Heads, Red Handles.
"QC" Polished Heads, White Handles.

No.	672	674	675
Weight	1½	1½	2 lb.
Width Cutting Edge	3½	3½	3½ in.
PRICE, "HF"	61/6	66/3	68/6 doz.
"QC"	51/9	55/3	58/9 ..

Plumb Lathing Hatchets (Made in U.S.A.)

Fig. 1684



Two Finishes.
"HF" Black Heads, Red Handles.
"P" Polished Heads, White Handles.

No.	2981	2982	521	622
PRICE, "HF"	56/3	61/6	58/9	61/6 doz.
"P"	—	—	—	— ..

Handled Side Hatchets (Made in U.S.A.)

Fig. 5497



No.	3	4	5	6
Cut	4½	5	5½	6 in.
Weight	2½	2½	3½	3½ lb.
PRICE	7/3	7/6	8/6	9/6 ea.

Shingling Hatchets (Made in U.S.A.)

Fig. 5498



No.	1	2	3
Cut	3½	3½	4½ in.
Weight	1½	1½	2 lb.
PRICE	4/6	5/-	5/6 ea.

Best Cast Steel Firemen's Axes Fig. 5491



PRICE .. 7/3 each

Steel Poll Kent Hatchets



Fig. 5492

No.	1	2	3	4	5	6
PRICE	2/6	3/-	3/4	3/8	4/-	4/6 each

Best Solid Steel Tomahawks



Fig. 5493. Bright and Japanned.
Size .. 1½ 1½ 2 lb.
PRICE .. 3/9 4/- 4/6 each

Ice Axes

Fig. 5410

PRICE, 12/6 each.

Steel Poll Kent Axes

Fig. 5484



Weight .. 2½ 3 3½ 4 5 6 lb.

Price, Handled 4/2 4/10 5/4 5/10 6/10 8/- ea.

Steel Poll Kent Felling Axes

Fig. 5485



PRICE
1/6 per lb.

Wood Paving Side Axes

Fig. 6071



PRICE 8/6 each

Ship Carpenters' Adzes. Fig. 5502



No. .. 1 2 3 4
PRICE .. 5/- 5/2 5/4 5/6 each

Spout Adzes. Fig. 5899



No. .. 1 2 3 4
PRICE .. 5/6 5/8 5/10 6/- each

Platelayers' Adzes.

Size 5 6 7 lb.

Fig. 4158 Black, Half Head	PRICE 6/9	7/6	8/6 each
Fig. 4159 .. with Pin	7/6	8/6	9/6 ..

Carpenters' Adzes Pin Head. Fig. 5499



No. .. 1 2 3 4
PRICE 4/8 4/10 5/- 5/2 each

Steel Head Carpenters' Adzes. Fig. 5500.



No. 1 2 3 4
PRICE 4/4 4/6 4/8 4/10 each

London Wheelers' Adzes Fig. 5501



No. .. 1 2 3 4
PRICE 5/4 5/6 5/8 6/- each

Paviors' Hammers. Fig. 6073 7/6 each

Wood Choppers. Fig. 6072

8 in. long. Straight wooden handle. PRICE 2/- each.

Steel Poll Coach Side Axes. Fig. 5487 Prices on application

Mahogany Squaring Axes. Fig. 5483 Prices on application

Timber Wedges Fig. 5495



Stock sizes—
10×2½×1½, 8×1½×1½, 7×1½×1 in.
PRICE 7/6 per lb.
Any size made to order

Timber Scribes



Fig. 5791
Ten Scribe
½ in. 3/4 ea.
1 in. 4/- ..



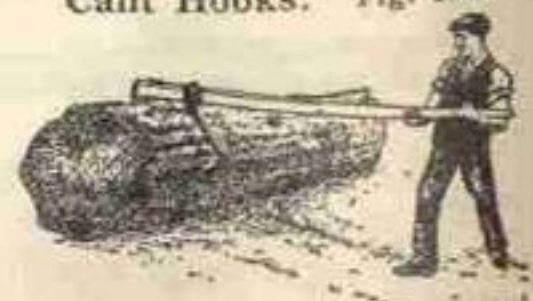
Fig. 5793
With Slide
7/- each



Fig. 5794
Goose Neck
Beech
Handle
2/8 each

Timber Swords, Crayons, etc., supplied to order.

Cant Hooks. Fig. 6450



A light handy tool and one of the most useful appliances for use in the woods or timber yard. The gripping points are hardened steel and the handle is made of well-seasoned ash, rounded at the end.

Approx. weight, complete, 18 lb.
PRICE 21/- each

Brown & Sharpe Manufacturing Co.'s Mercury Plumb Bobs (Made in U.S.A.)

Fig. 3105 (No. 790)



These Plumb Bobs are made from a solid steel rod, bored out and filled with mercury, or quicksilver, which makes them unusually heavy in proportion to their size. The centre of gravity is low. Illustration on left shows the manner in which these plumb bobs are constructed. The comparatively small diameters allow them to be used close to corners and walls. They are not easily affected by draughts of air and may be conveniently carried or packed in small spaces.

Points are hardened and bodies and points are ground. The plumb bobs are nickel-plated, and each is furnished with a braided silk line.

PRICES, each



Millers Falls Plumb Bobs (Made in U.S.A.)

Fig. 3117. (Nos. 1-4)

These plumb bobs are machine turned from cold rolled steel. Points sharpened and hardened.

No.	1	2	3	4
Length	2½	3½	4	5 in.
Weight	3	6	8	9½ oz.
PRICE	1/3	1/6	2/4	3/ each



Starrett's Mercury Plumb Bobs (Made in U.S.A.)

Fig. 3106 (No. 87)

This plumb bob is similar in design to Fig. 3105, excepting the method of fastening cord.

4 in. long, ½ in. diameter,	3½ oz.	8/3 each
5 " " " "	6 " "	11/4 " "
5½ " " " "	12 " "	13/9 " "
6 " " " "	16 " "	16/6 " "

Steel Plumb Bobs (Made in U.S.A.)

Fig. 3106a (No. 177)

Same design as Fig. 3105, but made from solid steel, the mercury being omitted.

4 in. long, ½ in. diameter,	2½ oz.	5/6 each
5 " " " "	5 " "	6/9 " "
5½ " " " "	8½ " "	9/6 " "
6 " " " "	14½ " "	13/4 " "

Engineers' Brass Plumb Bobs

Fig. 3107. Screw Tops. Steel Points.



No.	Approximate Weight	PRICE each
00	1½ oz.	7/9
0	2½ " "	7/11
1	3½ " "	1/-
2	4½ " "	1/5
3	6 " "	1/9
4	8 " "	2/2
5	10 " "	2/6
6	13 " "	3/3
6½	16 " "	4/-
7	20 " "	5/6
8	24 " "	7/-
9	32 " "	9/-
10	40 " "	11/-
11	48 " "	13/6
12	64 " "	18/-

Lead Plumb Bobs

Fig. 4135



1/- per lb.

Iron Plumb Bobs

Japanned

Fig. 4882



Size, lb.	1	2	3	4
Each	1/5	1/11	2/2	2/3
Size, lb.	1	2	3	4
Each	3/2	3/6	4/-	5/4

Spirit Levels

Warranted. With Best Proved Tubes. French Polished.
Fig. 5393



Narrow Level. Brass Plated Top.							
Size	4	6	8	9	10	12 in.	
No. 1621	7/10	1/2	1/5	1/7	1/10	2/2	each
Narrow Level. Brass Plated Top. Tipped Bottom.							
Size	6	8	9	10	12 in.		
No. 1622	1/6	1/9	1/11	2/2	2/5		each
Broad Level. Brass Plated Top.							
Size	6	8	9	10	12	14	16 18 in.
No. 1326	1/4	1/6	1/9	1/11	2/3	2/8	3/7 5/10 each
Broad Level. Brass Plated Top. Tipped Bottom.							
Size	6	8	9	10	12	14	16 18 in.
No. 1327	2/3	2/3	2/7	2/11	3/3	3/8	4/10 7/3 each

Fig. 5400



Ebony Level. Brass Plated Top. Tipped Bottom.							
Size	8	9	10	12 in.			
No. 1340	3/3	3/3	3/8	4/4			each
Ebony Level. Brass Plated Top.							
Size	4	6 in.					
No. 1891	1/1	1/5					each
Ebony Level. Brass Plated Top. Tipped Bottom.							
Size	4	6 in.					
No. 1890	1/9	1/11					each

Builders' & Road Makers' Level Fitment For Mounting in Wood Stock. Fig. 5931



Bubble Tube can be adjusted true to the base of level when fitted to Level Stock.

Size	7 1/2	9 1/2	11 1/2 in.
PRICE	3/3	4/4	4/9 each

Walnut Plumb and Level Fig. 9949



Brass Plated Top. Tipped Bottom.							
Size	6	9	10	12 in.			
No. 1627	1/10	2/3	2/6	2/9			each

Boat-Shaped Rosewood Plumb & Level Fig. 5402



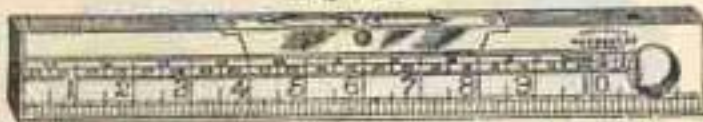
Brass Plated Top. Tipped Bottom.							
Size	6	8	9	10	12 in.		
No. 1625	2/7	2/10	3/4	3/3	3/9		each

Boat-Shaped Rosewood Plumb & Level Fig. 5403



Heavy Brass Plates. Tipped Bottom.							
Size	9	12 in.					
No. 1628	3/11	5/4					each

Masons' Boxwood Plumb and Level Fig. 5404



Narrow Boxwood Rule and Plumb Level. Brass Tipped on Bottom.							
Size	6	8	10	12 in.			
No. 1369	2/8	2/10	3/3	3/6			each
Boxwood Rule and Plumb Level. Brass Tipped on Ends and Bottom.							
Size	6	8	9	10	12 in.		
No. 1371	2/11	3/2	3/4	3/8	4/4		each
Wide Boxwood Rule and Plumb Level. Brass Tipped on Ends and Bottom.							
Size	10	12	14	16	18	20	24 in.
No. 1370	3/10	4/2	4/6	4/10	5/5	6/4	7/2 each

Brass Pocket Level Fig. 5401



In Boxwood Case.
No. 1367, 4 in.,
3/4 each.

The Columbia "Which-way" Pocket Level (Made in U.S.A.). Fig. 5413



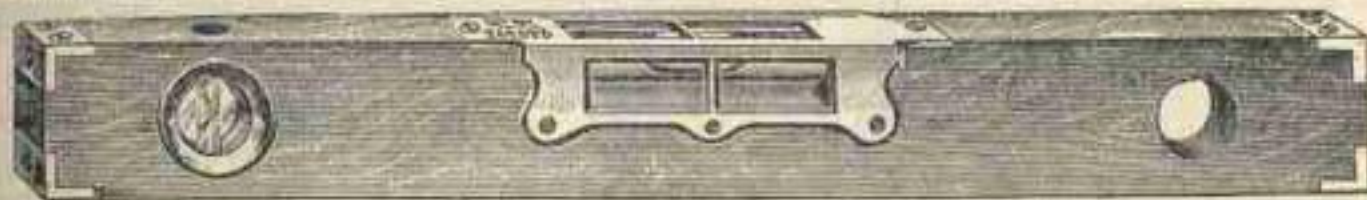
This useful little Level indicates in an instant which way the work is out. With all other levels this is not the case. They have to be placed first in one position and then in another before indicating the direction of deviation from truth.

PRICE .. 4/2 each

Builders' Spirit Levels and Plumbs

Improved Registered Plumb and Level. Fig. 5407

Bubble Tube is set in centre of brass frame, having glass at top and sides, with very large openings, so that bubbles can be plainly seen from a distance or even from below. Tested both on base and at top. Mahogany. Tipped top and bottom corners.



No. 1098. Size 18 in. PRICE 13/- each

Double Plumb and Level. Fig. 9950

Brass Tipped on Bottom and at one End. Brass Cover Plate.



Size .. 30 36 42 48 in.
No. 78 .. 9/- 9/6 10/- 11/6 each

Narrow Plumb and Level, 2 1/2 in. deep x 1 in. wide.

With one Plumb, one Spirit Level and Lead Plumb Bob (8 oz.) and line.

Brass Cover Plate.

Single Plumb and Level Fig. 5933



No. 79. Size 42 in. PRICE 8/- each No. 79. Size 48 in. PRICE 8/6 each

Adjustable Plumb and Level. Fig. 9951

Fitted one pair of Level Tubes and two pairs of Plumb Tubes, all adjustable and all protected by glass coverings.



Aluminium Tipped Ends.
2 1/2 in. deep x 1 in. wide

No. 80. Size 42 in. PRICE 12/6 each No. 80 Size 48 in. PRICE 14/- each

Single Plumb and Level. Fig. 9952

Brass Cover Plate and Strong Brass Tips on Bottom.

3 1/2 in. deep x 1 1/2 in. wide.

Size .. 24 27 30 36 in.

No. 100 .. 7/4 7/10 8/4 10/- each



Adjustable Plumb and Level

Fig. 5406



The Spirit Glass or Bubble Tube is set in a metal case attached to the brass top plate by means of an adjusting screw and a hinge, and can be instantly set to an exact relation with the body of the level.

Brass Cover Plates and Full Brass Tipped.

Size	24	27	30	36 in.
No. 113	9/2	9/6	9/10	12/8 each
No. 112 (not brass tipped)	7/8	8/-	8/4	—

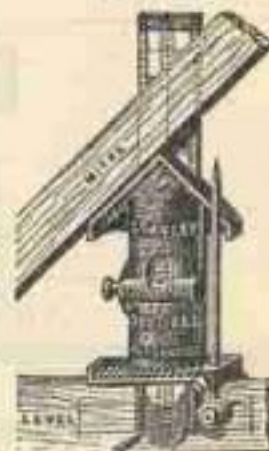
Stanley Plumbs and Level (Made in U.S.A.) can be supplied. Prices on application.

Disston Plumbs and Levels (Made in U.S.A.) can be supplied. Prices on application.

Stanley "Odd Jobs" (Made in U.S.A.)

Fig. 5410

TEN TOOLS IN ONE



This tool is supplied with a 12 in. graduated rule, and near one end of the rule is an adjustable steel point. This greatly facilitates the use of the tool. Nickel-plated with Level and Rule. PRICE, 6/- each.

Millers Falls Levels (Made in U.S.A.)

Fig. 6452

Aluminium

Sturdy and well designed frame



M.F. No.	1012	1018	1024	1026	1028	1030	1042
Length	12	18	24	26	28	30	42 in.
PRICE	8/4	11/3	12/6	13/9	16/8	17/6	37/6 each

Furnished with 4 plumbs and 2 levels, except the 12 and 18 in. which have 2 plumbs and 2 levels.



Fig. 6453

Solid Mahogany. Natural finish.

Furnished with 2 plumbs and 2 levels.

M.F. No.	624	626	628	630
Length	24	26	28	30 in.
PRICE	9/6	10/-	10/6	10/6 each

Fig. 6453A

White Pine. Red finish.

Furnished with 1 plumb and 1 level.



M.F. No.	312	316	318	320	324	326	328	330
Length	12	16	18	20	24	26	28	30 in.
PRICE	4/2	4/4	4/6	4/8	5/3	5/6	5/8	5/10 each



Fig. 6453 B

Solid Mahogany. Natural finish.
Brass Ends.

Furnished with 4 plumbs and 2 levels.

Length (M.F. Nos. 642 and 648)	42	48 in.
PRICE	19/6	20/10 each

Fig. 6453 C

White Pine. Red finish



Length	48 in.
PRICE, Brass ends (M.F. No. 848)	17/6 each
.. .. bound (.. 948)	24/- ..

Furnished with 4 plumbs and 2 levels.



Fig. 6453 D

White Pine. Red finish.

Furnished with 2 plumbs and 1 level

Length (M.F. Nos. 442 and 448)	42	48 in.
PRICE	10/9	11/3 each

Fig. 6453 E

White Pine. Red finish



Length	42	48 in
PRICE, Plain (M.F. No. 548)	—	15/8 each
.. Brass bound (M.F. Nos. 742 and 748)	18/9	23/9 ..

Furnished with 4 plumbs and 2 levels

All Plumbs and Levels furnished with protected glasses.

Adjustable Aluminium Plumb and Level

Fig. 6454 (British Made)



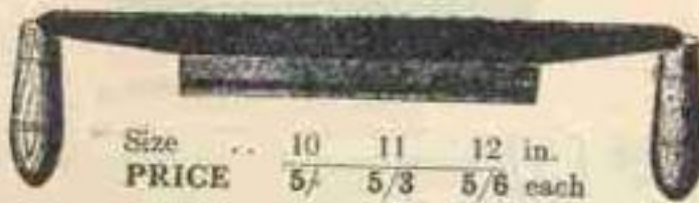
Top and bottom surfaces are machine planed and parallel. The arrangement of duplicating all plumb and level glasses ensures one or other of them being brought into use whichever way the tool may be handled.

All tubes are of best proved quality and are adjustable individually—after removing a cover plate. Substantial glass covers with rubber seals protect each opening from dirt and moisture.

Size, 24 in. x 2 1/2 in. x 1 in. Weight, 2 lb. 6 oz. PRICE 24/- each.

Coopers' Tools

Drawing Knives. Fig. 5614
Electro Boracic Steel



Size ..	10	11	12 in.
PRICE	5/-	5/3	5/6 each

Hollowing Knives. Fig. 5615
Electro Boracic Steel



Size ..	5	6 in.
PRICE ..	4/3	4/3 each

Heading Knives. Fig. 6075
Electro Boracic Steel



Size ..	10	11	12 in.
PRICE	5/-	5/3	5/6 each

Crumming Knives

Fig. 5617. Electro Boracic Steel



Size ..	12 in.
PRICE ..	7/3 each

Jiggers. Fig. 5616
Electro Boracic Steel



Size ..	2 1/2	3 in.
PRICE ..	4/4	4/11 each

Round Shaves



Fig. 5618
Electro Boracic Steel
PRICE 3/9 each



Socket Drivers

Fig. 5619

Electro Boracic Steel

PRICE, Stocked, 5/6 each

Stock and Ring only

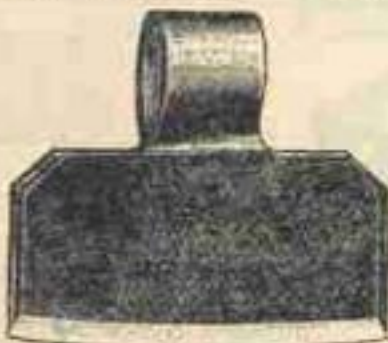
PRICE 1/8 each

Solid Drivers



Fig. 5620
PRICE 4/- each

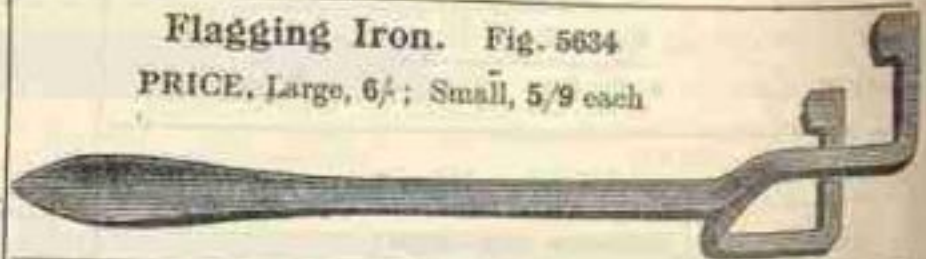
Coopers' Axes. Fig. 5489



Size ..	9	10	11	12 in.
PRICE ..	7/-	7/2	7/6	8/- each

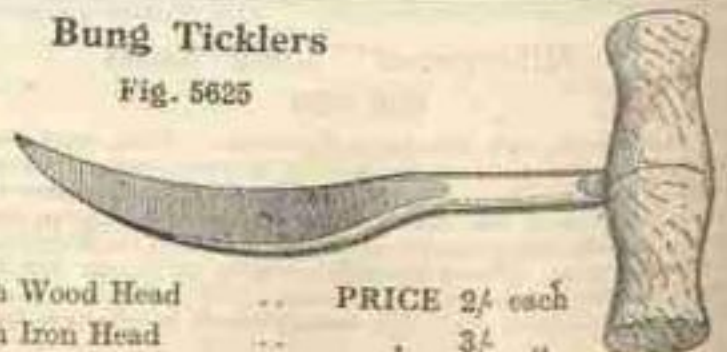
Flagging Iron. Fig. 5634

PRICE, Large, 6/-; Small, 5/9 each



Bung Ticklers

Fig. 5625



A. With Wood Head	PRICE 2/- each
B. With Iron Head	3/- "

Bung Floggers

Fig. 6076. PRICE .. 5/- each

Coopers' Tools



Coopers' Bick Irons

Fig. 5630

PRICE 1/3 per lb.



Coopers' Vice

Fig. 5631

PRICE 1/3 each



Coopers' Chive Vice

Fig. 5632

PRICE 9/- each

Coopers' Adzes

Electro Boracic Steel

Fig. 5503



Fig. 5505



Fig. 5506



Fig.	Description	1	2	3	4
5503.	Rounding Adzes	5/7	5/11	6/4	—
5504.	Notching " (or Nailing Adzes)	5/5	5/9	6/3	—
5505.	" " Chequered Face	5/5	5/9	6/3	—
5506.	" " and Clawed	5/8	5/10	6/2	—
4100.	Trussing	—	5/2	5/8	5/8

Coopers' Jointers, Head and Side

Fig. 5637

Complete with irons, 5 ft., 37/6; 6 ft., 40/- each.
Extra Irons, see Plane Irons.

Improved Chives, Iron Plated

Fig. 5638

Pin, 20/3; Firkin, 21/-; Kilderkin, 22/6; Barrel, 23/6;
Hogshead, 28/6; Butt, 30/- each.

Coopers' Shaves Fig. 5629

Downright	13/3 each
Inside, 4 1/2 or 4 in.	11/3 "
Outside, 4 1/2 or 4 in.	10/6 "
Inside, 3 1/2 or 3 in.	10/6 "
Outside, 3 1/2 or 3 in.	9/9 "
Butt or Scraper	10/6 "

Coopers' Swifts Fig. 5642

Inside or Outside

Iron For	2 1/2 But	2 1/2 Hogshead	2 1/2 Barrel	2 Kilderkin	1 1/2 Firkin	1 1/2 in. Pin
PRICE	21/-	15/-	14/3	13/6	12/9	12/4 ea.
Inside, plated, 2 1/2 in., 17/3 each. Downright, 13/3 each, plated. Heading.						
Size	2	2 1/2	2 1/2	2 1/2	2 1/2	3 in.
PRICE	12/9	13/6	14/3	15/-	15/9	each

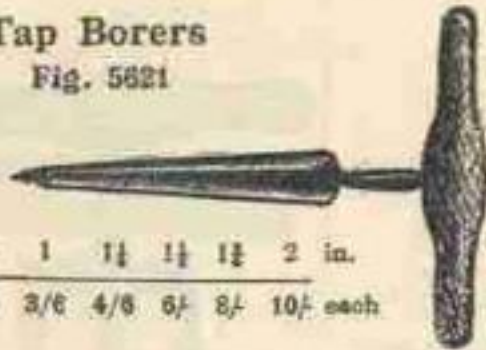
Sundry Tools

Fig. 5677.	Flags	7/6 per bolt
5641.	Topping Planes, complete	12/- each
5643.	Chirring Irons	2/6 "
5645.	Dowelling Stocks	16/6 "

Fig. 5644.	Beight Wing Compasses	Size	8	10	12	14	16	18 in.
PRICE	3/6	4/6	5/3	6/6	7/8	9/-	each	
5648.	Chisels	1/-	each					
5649.	Coopers' Hammers	7/10	lb.					
5650.	From, 7 in., 3/6; 8 in., 4/-; 9 in., 4/6	each.						

Coopers' Tools

Tap Borers
Fig. 5621



Size	..	$\frac{1}{4}$	$\frac{1}{2}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 in.
PRICE	..	2/6	3/6	3/6	4/6	5/6	8/6	10/6 each

Bung Borers
Fig. 5622

Similar in design to Fig. 5621
Extra Strong, Rivetted Handle.

Size	..	..	..	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4 in.
PRICE	..	..	..	19/6	22/6	30/6	35/6 each

"Enterprise" Improved Bung Borer
Fig. 5623 (Made in U.S.A.)



Bores a complete round hole, regular taper; holds its own chips, and prevents them from entering the cask.

No. 1.	Small size, boring from $\frac{1}{4}$ to $1\frac{1}{4}$ in.	..	26/6 each
" 2.	Medium $1\frac{1}{2}$.. 2 ..	..	34/6 ..
" 3.	Large $1\frac{3}{4}$.. 3 ..	..	42/6 ..

To sharpen the stock or reamer, file the inside of slot only.

Buck & Hickman's Improved Bung Borer Fig. 5624

This Bung Borer is claimed as the best manufactured, and has a constantly increasing sale. The body is gunmetal, the cutting edge being a steel knife let into a dovetail groove.



Size	..	..	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4 in.
PRICE	..	73/2	95/6	114/6	128/3 each	

Coopers' Croze Irons or Hawksbills

Regular Type. Fig. 5627

Size of Stock	..	..	12	14	16	18	20	22	24 in.
Size of Iron	..	..	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2	2 $\frac{1}{2}$	3	3 ..
For	..	..	Saw Croze	Pin	Pirkin	Kilderkin	Barrel	Hogshead	Butt
Complete on Wood Stock			16/6	21/6	22/6	22/6	24/6	27/6	30/6
Irons only	..	..	3/6	4/3	4/6	5/6	—	—	..

Improved Type. Fig. 5629

PRICE, complete on Wood Stocks, Small, 22/6; Large, 24/6 each.
.. Irons only, Small, 11/6; Large 12/6 each.



Fig. 5627
Regular



Fig. 5629
Improved



Fig. 6078

Bushing Tools



Fig. 6079

Size	..	..	..	..	..	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	2 $\frac{1}{2}$ in.
PRICE, Flush Knife Borer, Fig. 6078 (handled)	..	..	..	..	..	39/6	39/6	40/6	43/9	47/3 each
" Fluted Fixing Key, Fig. 6079	..	..	..	..	..	55/9	55/9	55/9	60/6	63/6 ..
" Handle for Fixing Key	..	..	..	..	..	7/6	7/6	7/6	9/3	10/6 ..

Iron and Wood Truss Hoops. Prices on application.

2, WHITECHAPEL ROAD, LONDON, E. 1.

Pocket Knives

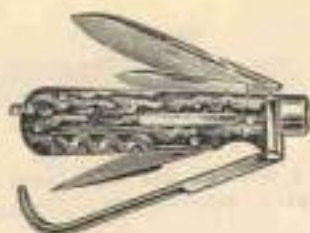


Fig. 9976 Length, $3\frac{1}{2}$ in.
PRICE, Stag, 9/9 each.

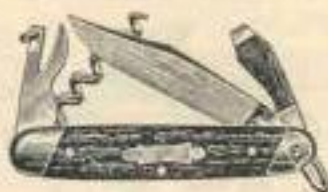


Fig. 9977 Length, $3\frac{1}{2}$ in.
Sportsman's Knife
PRICE, Stag, 5/6 each.



Fig. 9978 Length, $3\frac{1}{2}$ in.
PRICE, Stag, 8/6 each

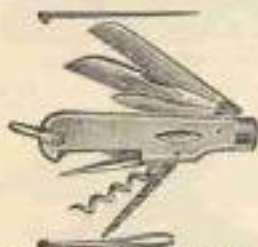


Fig. 554 Length, $3\frac{1}{2}$ in.
PRICE, Ivory, 12/6;
Stag, 11/- each.



Fig. 9979 Hunting Knife
Vulcanite Handle. Blade 5 in. long.
PRICE, 3/6 each complete with Sheath.
Ditto, Ditto, Stainless Steel Blade,
PRICE, 7/6 each complete with Sheath



Fig. 9980 Length, 3 in.
PRICE, Ivorine Handle,
Stainless Steel Blade,
2/3 each.



Fig. 9981 Length, $3\frac{1}{2}$ in.
Wireless Knife. Fibre Handle.
PRICE, 3/6 each.
Ditto, Ditto, with lock screwdriver
blade: PRICE, 4/- each.



Fig. 9982
Length .. 3 4 in.
Nickel Silver 7/9 8/9 each.

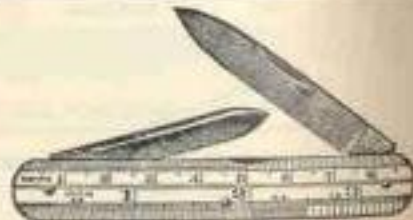


Fig. 3722
Bright Steel Rule Knife, $3\frac{1}{2}$ in. with two
blades, 4/- each.

Engineers' Pocket Knives

Fig. 3720. Steel Rule Knife,
marked ins. and $\frac{1}{16}$ in. with two blades
and eight feeler blades. 7/6 each.

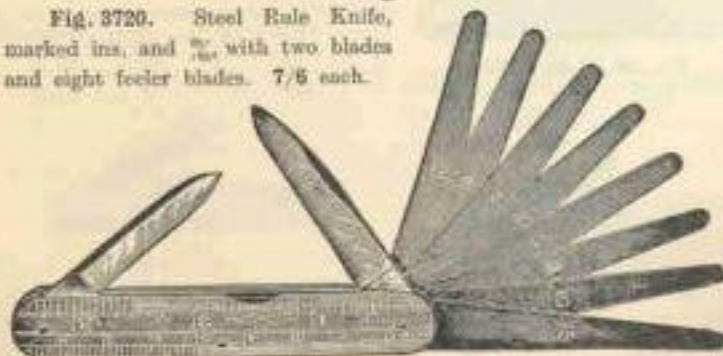


Fig. 3721. Two blades and N.P.
Steel Rule, 12 in. long divided into $\frac{1}{16}$, $\frac{1}{8}$,
 $\frac{1}{4}$ and $\frac{1}{2}$ in. In Figkin sheath.
6/6 each.



Pocket Knives



Fig. 9859. Length 3 1/2 in.
PRICE, Fine Ivory .. 11/6 each



Fig. 3732. Length 3 1/2 in.
PRICE, Fine Ivory with stars 11/6 each

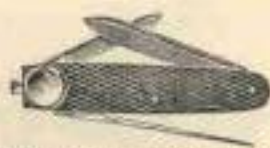


Fig. 9860. Smokers' Knife. Length 3 in.
PRICE, Chequered Horn .. 11/6 each



Fig. 9861. Length 3 1/2 in.
PRICE, Fine Ivory .. 7/6 each



Fig. 9862. Length 3 1/2 in.
PRICE, Fine Ivory .. 13/6 each



Fig. 9863. Length 3 1/2 in.
PRICE, Fine Ivory .. 7/6 each



Fig. 9868. Length 3 1/2 in.
PRICE, Fine Ivory .. 10/6 each



Fig. 9869. Length 3 1/2 in.
PRICE, Buffalo Horn .. 4/6 each
" Stag .. 4/6 "



Fig. 9870. Length 3 1/2 in.
PRICE, Pearl .. 10/6 each

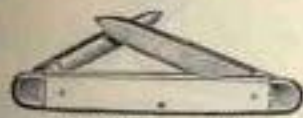


Fig. 9871. Length 3 1/2 in.
PRICE, Fine Ivory .. 7/6 each



Fig. 9872. Length 3 1/2 in.
PRICE, Stag .. 8/6 each



Fig. 9873. Length 3 in.
PRICE, Pearl .. 6/6 each



Fig. 9874. Length 3 in.
PRICE, Nickel Silver Handles
Stainless Steel Blades .. 2/9 each

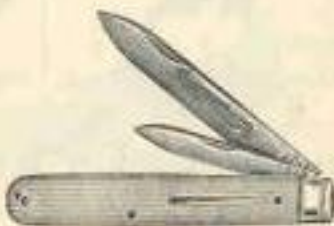


Fig. 552. Length 3 1/2 in.
PRICE, Ivory .. 4/9 each
" Stag .. 4/6 "



Fig. 9875. Length 3 in.
PRICE, Stainless Steel through-
out .. 5/6 each



Fig. 3744. Length 3 1/2 in.
Contains 2 Blades and File on Spring.
PRICE, Ivory .. 5/6 each
" Stag .. 5/3 "



Fig. 3742
Length .. 3 1/2 3 1/2 3 1/2 in.
PRICE, Ivory .. 2/9 3/4 3/8 each



Fig. 3743
Nickel Silver Scales, very thin.
Length .. 3 3/4 in.
PRICE .. 2/3 4/6 each