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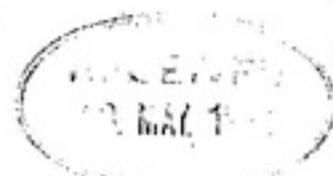
B18

Head Office and Works:

SARACEN TOOL WORKS

East Campbell Street, Glasgow, C.1.

ESTABLISHED 1792.



Branch Warehouse, - - 23 COCKBURN STREET, EDINBURGH.

Telegrams and Cables, - "MATHIESON," GLASGOW.

Telephone, - BELL 2741 (2 lines, Branch Exchange).

ILLUSTRATED PRICE LIST

OF . . .

TOOLS and MACHINES

MANUFACTURED BY

ALEX. MATHIESON & SONS, Ltd.

GLASGOW.

LONDON EXHIBITION, 1851, PRIZE MEDAL.

LONDON EXHIBITION, 1862, PRIZE MEDAL.

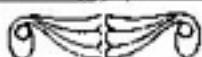
MELBOURNE EXHIBITION, 1880, GOLD MEDAL.

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NINTH EDITION.

1933.

TRADE MARKS.



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For **SECOND QUALITY.**



CROSSMARK KEEN & CO.
GLASGOW.

For **THIRD QUALITY.**

G
TERTIUS KEEN & CO.

The Second and Third Qualities are only made in special classes of Goods.

FOREWORD.

WITH the issue of this, the NINTH EDITION of our ILLUSTRATED PRICE LIST, we desire to convey to our numerous customers throughout the world our very high appreciation of their unabated confidence in the "MATHIESON" products in the past; and we welcome this opportunity of giving the assurance that every possible endeavour will be made in the future to justify a continuance of that confidence.

The Quest for Perfection in Tools is World-old. For over 140 years we have devoted all our energies to the attainment of that Perfection, and as a result of our extensive experience, we offer to-day Tools of the Finest Quality and Finish, for which our Name and Trade Mark are known throughout the Markets of the World.

It is impossible to detail in this catalogue all our lines of manufacture, and we respectfully solicit enquiries for any class of Artisans' Tools which does not appear in the lines here shewn.

Our Factory is fully equipped with the most modern Machinery, and we employ a large staff of highly-skilled workmen, and are therefore exceptionally qualified to deal with SPECIAL GOODS. We particularly request enquiries for requirements in this important line.

The illustrations, though generally representative, are not to be held binding as to details.

Owing to constantly occurring fluctuations, prices are subject to alteration from time to time and these cannot always be notified.

ALEXANDER MATHIESON & SONS, LTD.

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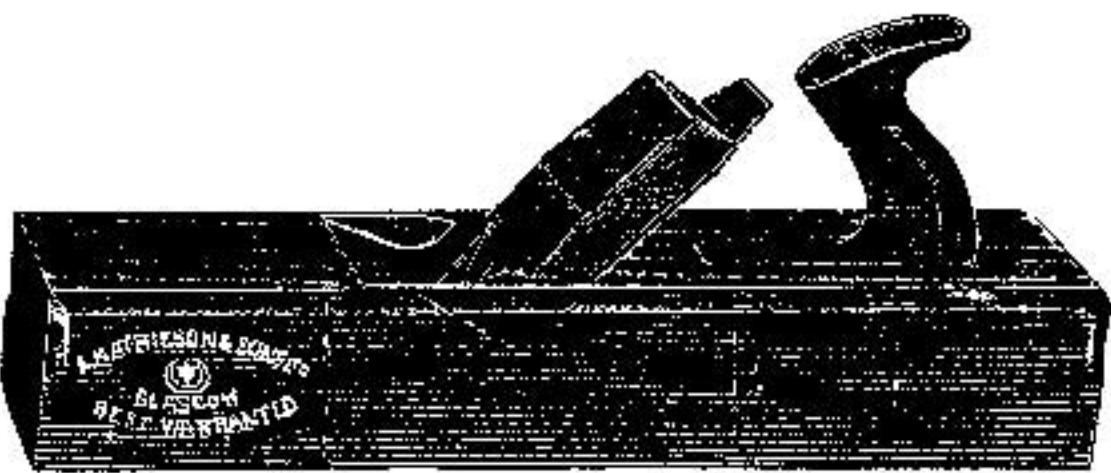
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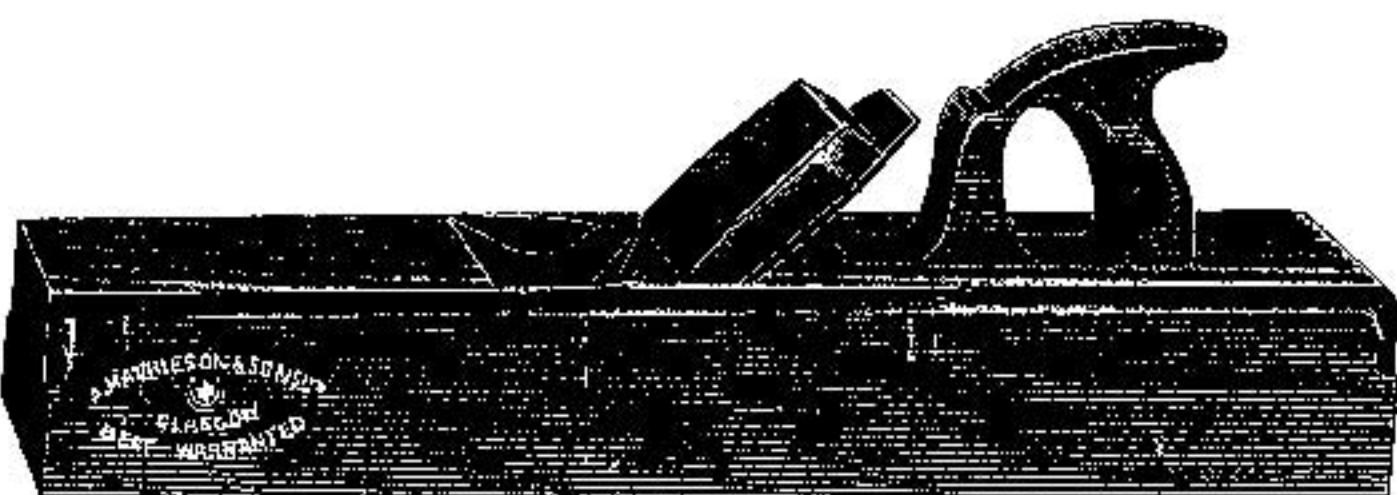
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BENCH PLANES.



No. 700—Jack Plane.



No. 706—Trying Plane.

JACK PLANES.

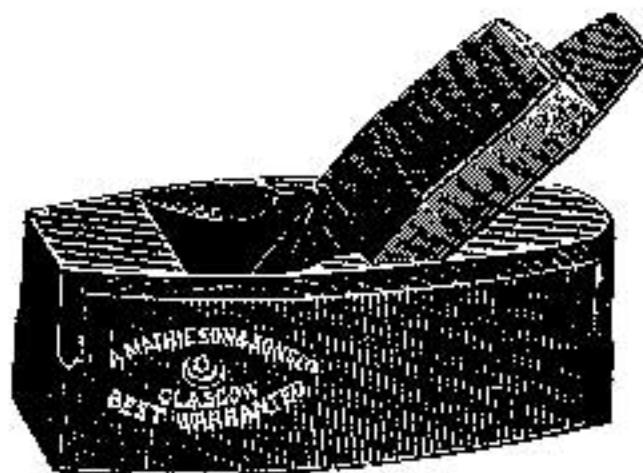
Best Quality, Warranted, with Cast Steel Double Irons.

	17	17	17	in. long.
No.	2	2½	2½	in. irons.
700—C.S. Best Quality, Warranted, Open Handle, ...	10/-	10/-	10/6	each.
701—C.S. Best Quality, Warranted, Close Handle, ...	10/6	10/6	11/-	"

TRYING PLANES.

Best Quality, Warranted, with Cast Steel Double Irons.

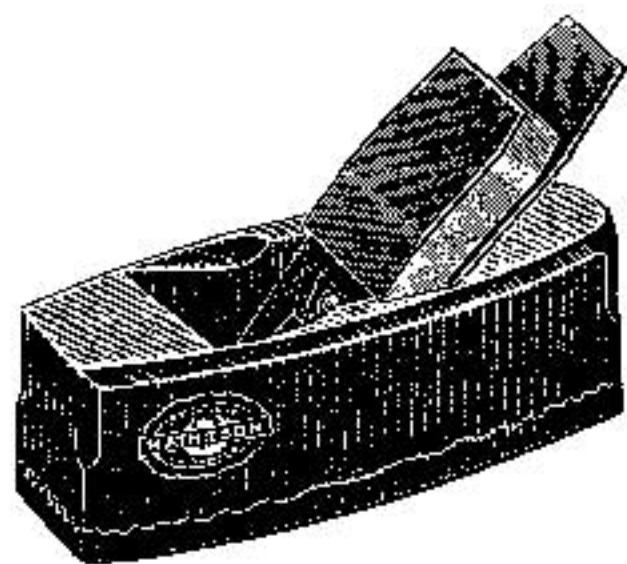
No.	2½	2½ in. Irons.
706—22 in. long, ...	13/6	13/6 each.



No. 708—Smoothing Plane.

SMOOTHING

PLANES.



No. 708A—Smoothing Plane, with Lignum Vitae Sole.

Best Quality, Warranted, with Cast Steel Double Irons.

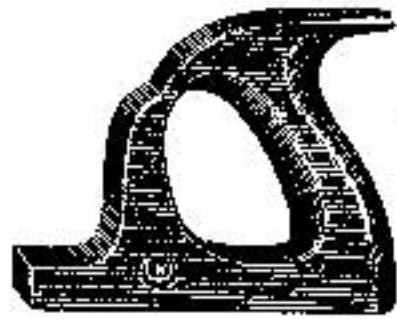
No.	2	2½	2½ in.
708—Smoothing Plane, ...	7/6	8/-	8/6 each.
708A—Smoothing Plane, with Lignum Sole, without Handle, ...	11/3	11/7	12/- ..
708B—Smoothing Plane with Lignum Sole, with Handle, ...	18/10	14/3	14/7 ..
708D—Smoothing Plane, Cabinet Pitch, ...	7/6	8/-	9/6 ..
710—Smoothing Plane, Plated Steel Sole, ...	14/-	14/6	15/- ..
711—Smoothing Plane, Iron Front, ...	18/-	18/-	18/6 ..
712—Smoothing Plane, Compass Sole, ...	8/6	9/-	9/6 ..

THIRD QUALITY BENCH PLANES, Stamped

G
TERTIUS KEEN & CO:

WITH DOUBLE IRONS.

No.	2	2½	2½ inch.
717—Jack Planes, Open Handle, ...	6/6	6/8	6/10 each.
717A—Jack Planes, Close Handle, ...	7/-	7/2	7/4 ..
718—Smoothing Planes, ...	5/-	5/2	5/4 ..
719—Trying Planes, ...	22 in. long, 9/- each.		



No. 768—Close.

PLANE HANDLES, Best Quality.

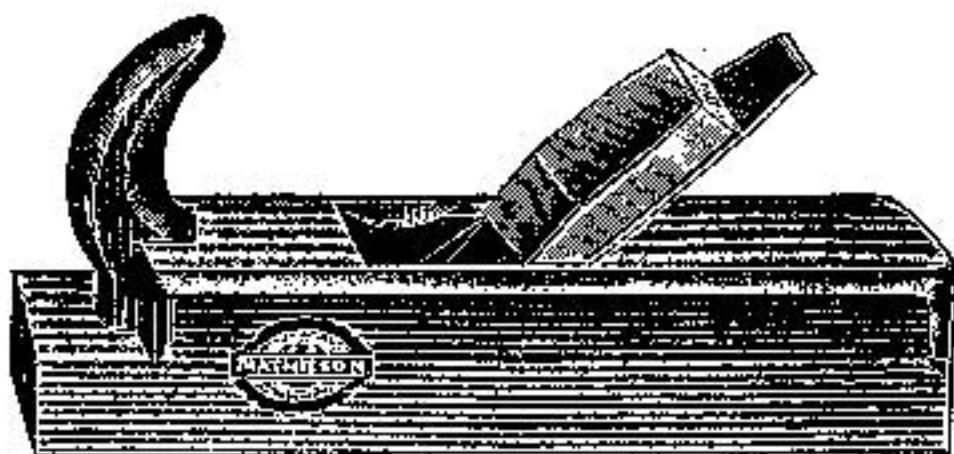
No. 768—Close, ...	12/9 per doz.
No. 769—Open, ...	9/- ..
No. 769A—Open, for Technical Jack Planes, ...	8/- ..



No. 769—Open.

COACHMAKERS' PLANES — PRICES ON APPLICATION.

SARACEN TOOL WORKS, GLASGOW.

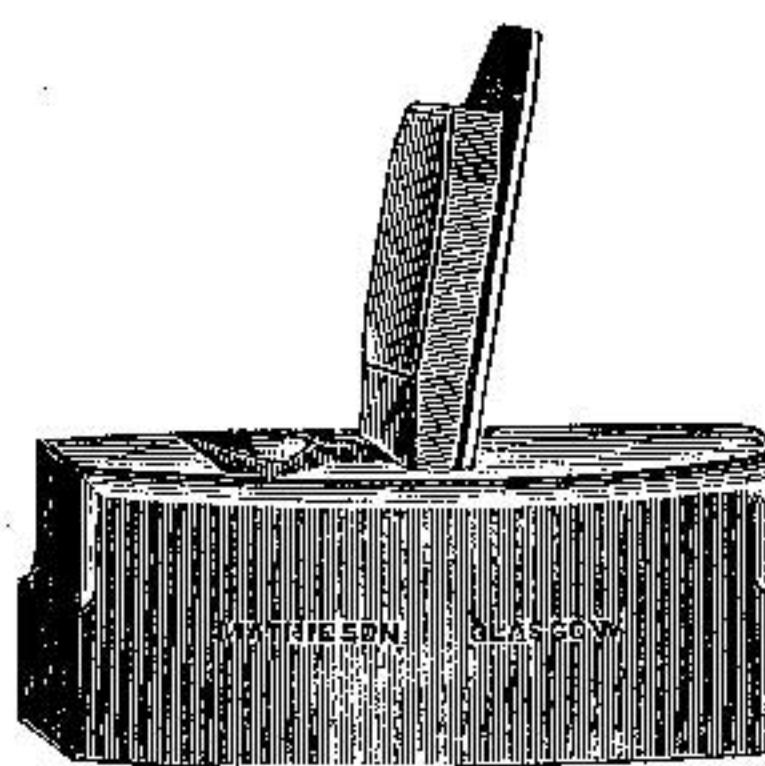
BENCH PLANES—Continued.

No. 733—"German" Pattern Jack Plane.

GERMAN PATTERN JACK, OR ROUGHING, PLANES.

With Handle in Front.

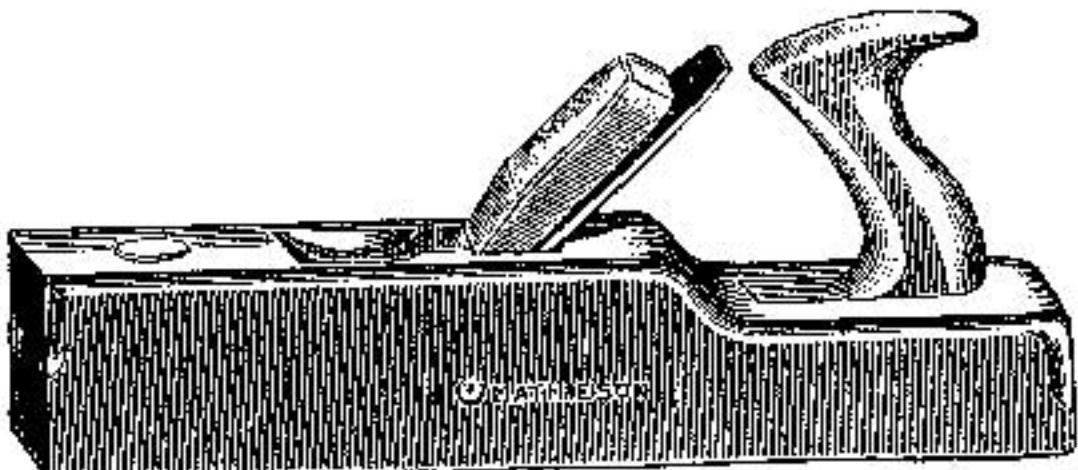
With Single Iron, ...	14	1½	1¾	2	inch.
No. Length, ...	10	10	12	12	inch.
733,	7/-	7/-	7/6	8/6	each.



No. 727—Tooothing Plane.

TOOTHING PLANES.

No.	727—Tooothing Plane, 1 Iron,	2 in., 6/6 ; 2½ in., 7/- each.
		Extra Irons, 2/4 each.

TECHNICAL SCHOOL PLANES.

No. 738—Technical School Jack Plane.

With Cast Steel Double Irons, ...	14	2 in.
No. Length,	14	15 in.
738—Technical School Jack Planes, with Sunk Open Handle, and Boxwood Striking Knob,	10/6	10/6 each.
738A—do. do. with Close Handle, ...	11/-	11/- ,

SECOND QUALITY BENCH PLANES, Stamped

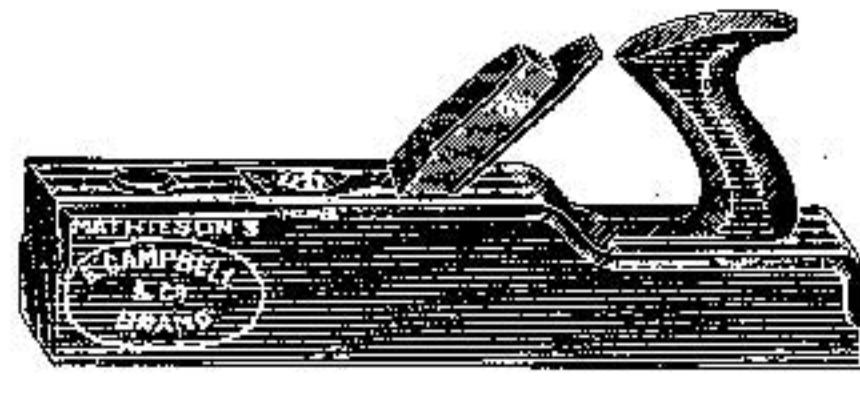
Fitted with Mathieson's Best Quality Cast Steel Warranted Double Irons, either Solid Steel or Steel Faced.

**JACK PLANES.**

No.	2	2½	2¼	in. irons
700C—Open Handle, 7/6	7/9	8/-	each.	
701C—Close Handle	8/-	8/3	8/6	,,

**SMOOTH PLANES.**

No.	2	2½	2¼	in. irons.
708C,	5/6	5/9	6/-	each.

**TECHNICAL JACK PLANES.**

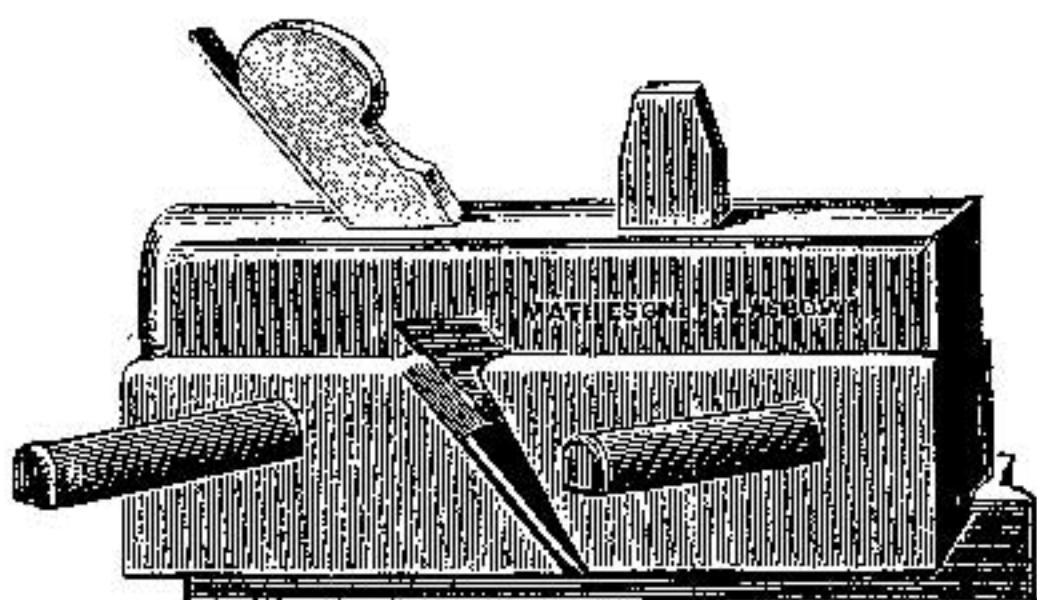
No.	Each.
738C—14 in. long × 1½ in. Irons, ...	9/-
14 in. long × 2 in. irons, ...	9/-
15 in. long × 2 in. irons, ...	9/-



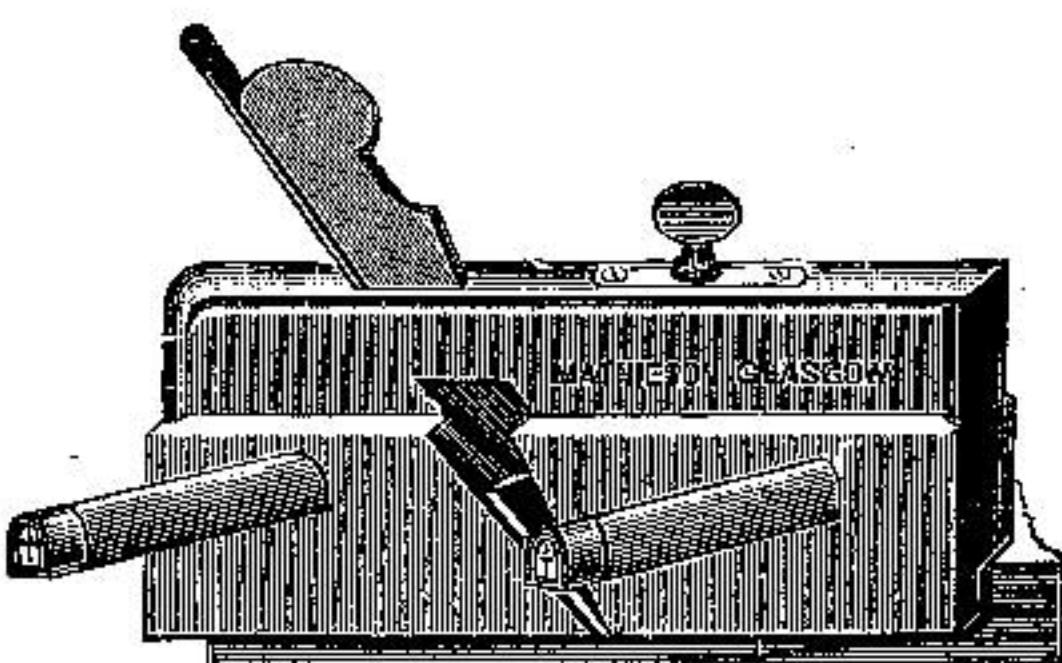
No. 706C—TRYING PLANES.

22 in. long × 2½ in. Irons, ... 10/- each.

FILLETSTER PLANES.



Sash Filletster, No. 1.



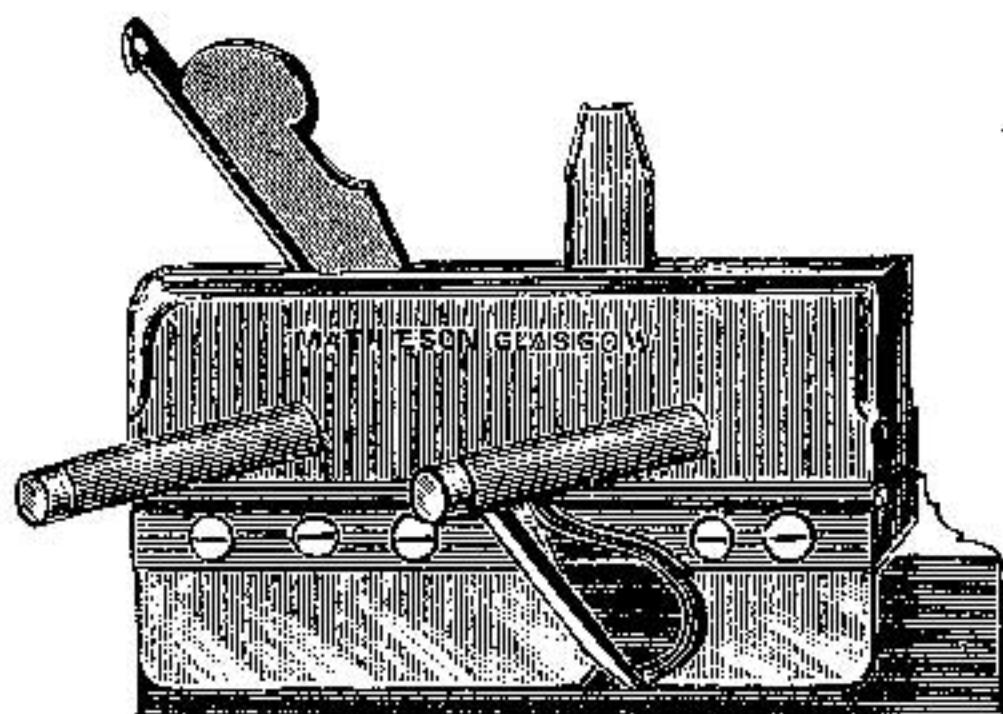
Sash Filletster No. 3.

SASH FILLETSTER PLANES.

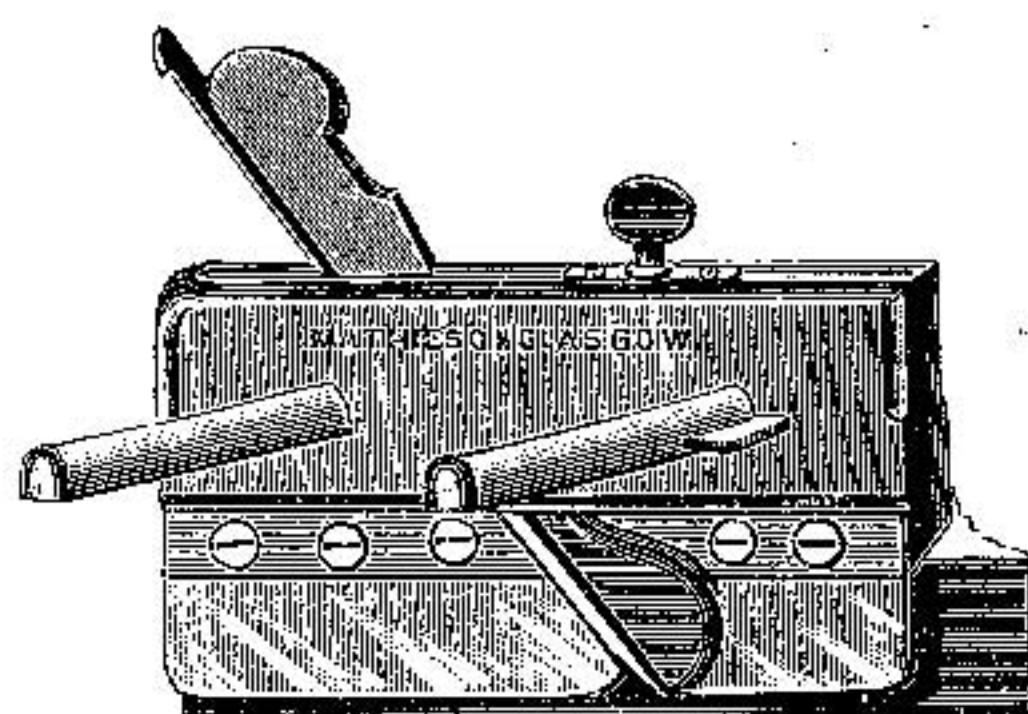
No.

1—Right Hand, Wood Stop, ...	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	13/- each.
3—Right Hand, Plow Stop, Ferruled Stems,	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	29/- ,,
5—Left Hand, Screw Stop, Ferruled Stems, Shoulder Boxed,	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	34/- ,,
10—Left Hand, Solid Handle, Screw Stop, Dovetailed Boxed,	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	48/- ,,

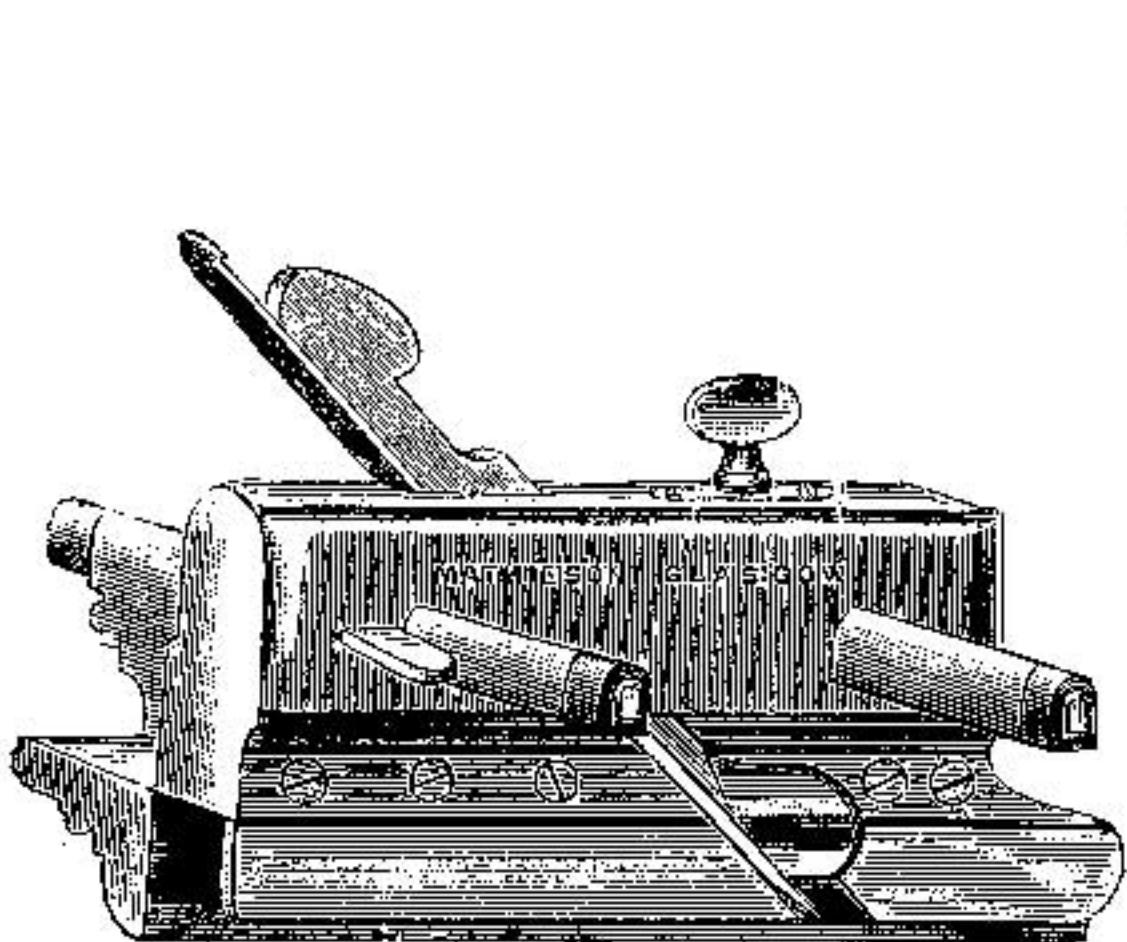
PLOW PLANES.



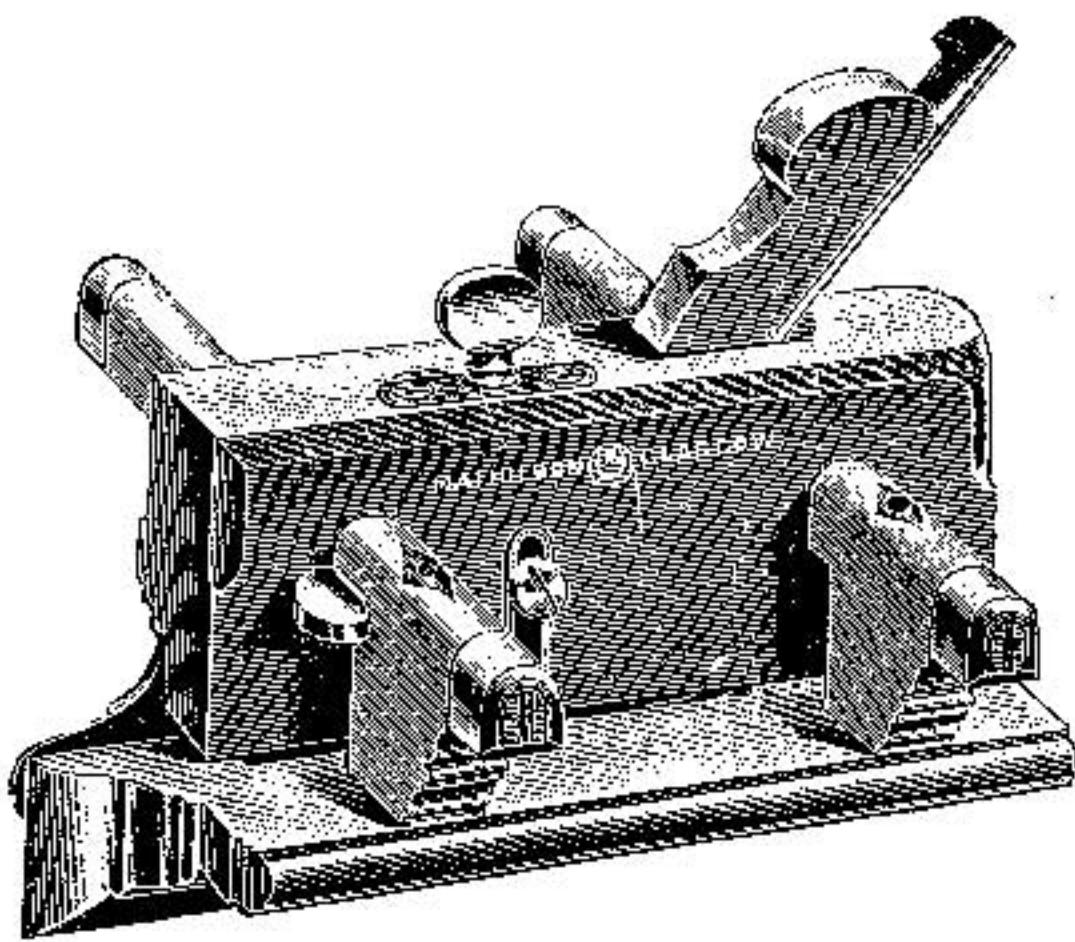
Plow Plane, No. 2.



Plow Plane, No. 4.



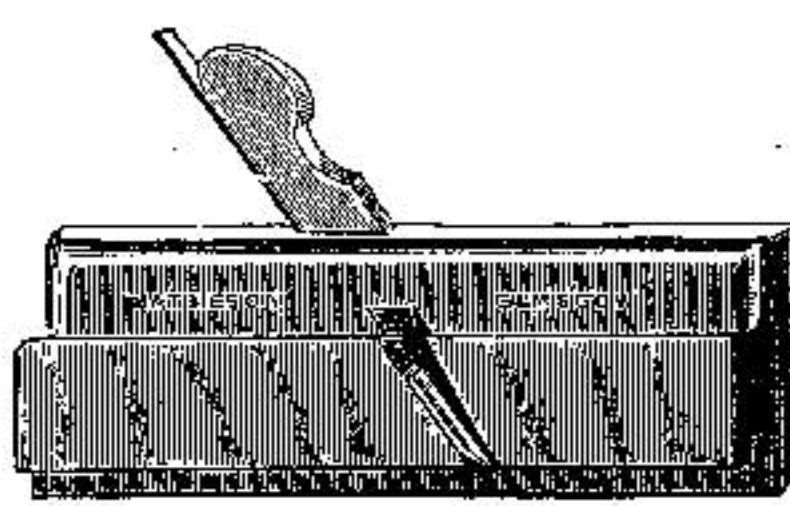
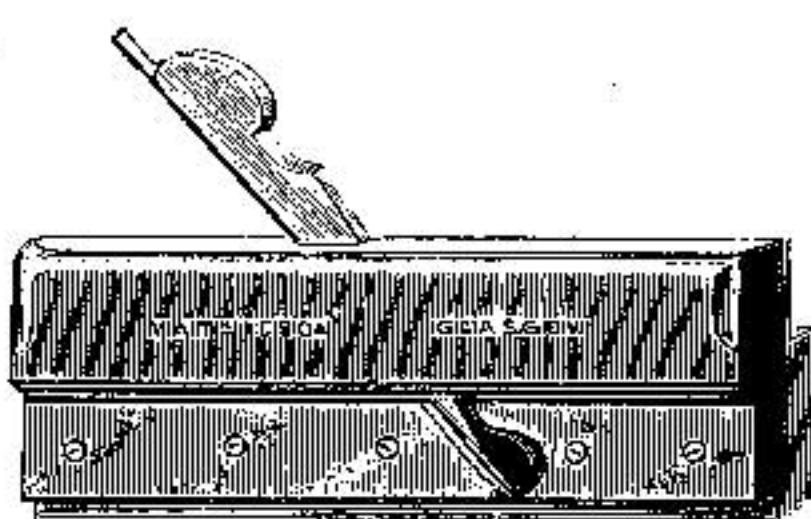
With Long Fore Plate and Side Screw, No. 5B.



PLOW PLANES.

No.

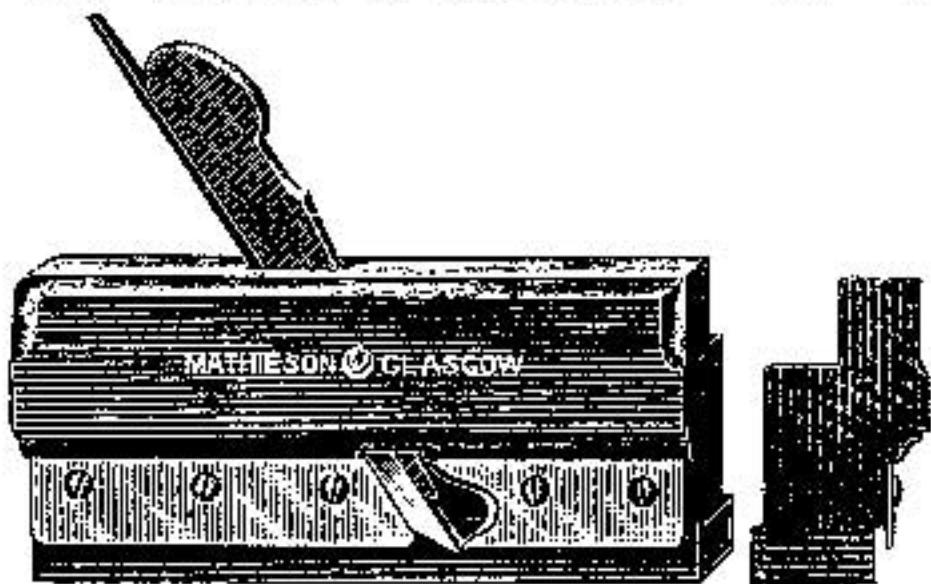
2—Wood Stop, Round Brass Ferruled Stems, Double Plate, ...	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	6 Bright Irons, 25/- each.
4—Screw Stop, Fence riveted to Stems, Keys and Diamonds, ...	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	8 Bright Irons, 38/- ,,
5B—Best Screw Stop and Plate, Ferruled, Extra Work, Side Screw, Long Fore Plate, to Plane over Mortices, ...	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	8 Bright Irons, 50/- ,,
7B—Best Screw Stop and Plate, Boxwood Screw Stems, Side Screw, Long Fore Plate, ...	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	8 Bright Irons, 55/- ,,
8B—Solid Handle, Best, Ferruled, Side Screw, Long Fore Plate, ...	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	... ..	8 Bright Irons, 58/- ,,

GROOVING PLANES.

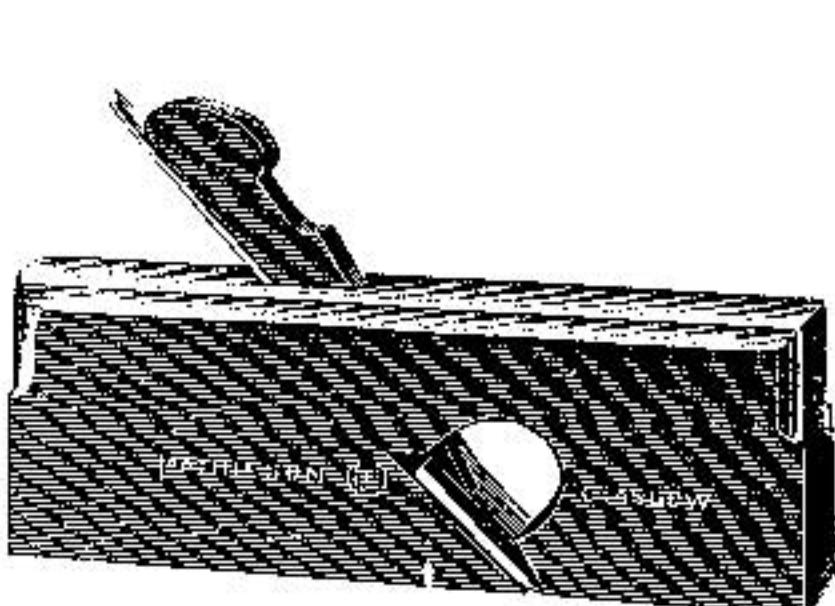
No. 770—Pair Grooving or Match Planes.

GROOVINGS or MATCH PLOWS.

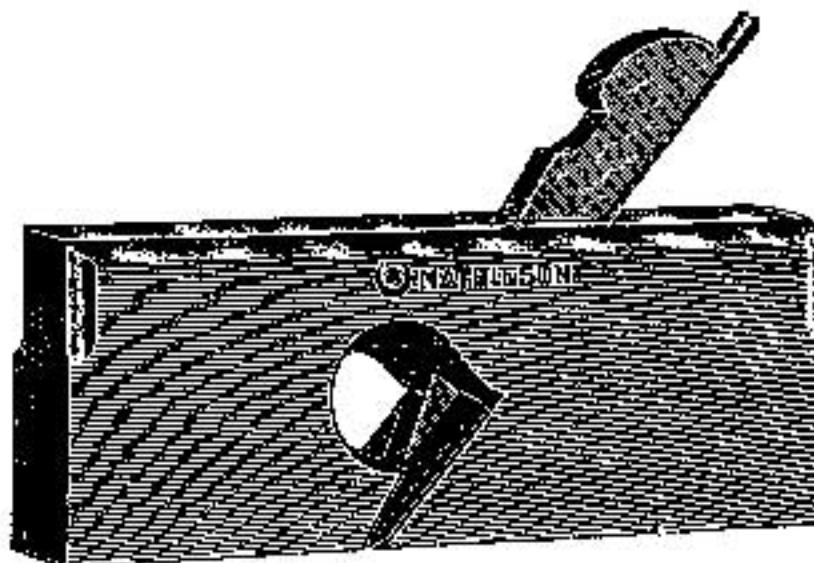
No.	Thickness of Wood, ...	$\frac{1}{4}$	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1 inch.
770—Groovings for Slit Deal,	13/-	11/-	11/-	11/-	11/-	12/-	12/6 per pair.



No. 770c—Grooving Plane.

GROOVING PLANES.No. 770c—With Shifting Fence, Metal Plate and three irons ($\frac{1}{8}$, $\frac{9}{16}$ and $\frac{1}{4}$ in.), 6/9 each.No. 770a—With Metal Plate, and one iron $\frac{3}{16}$ inch, 4/6 ,,

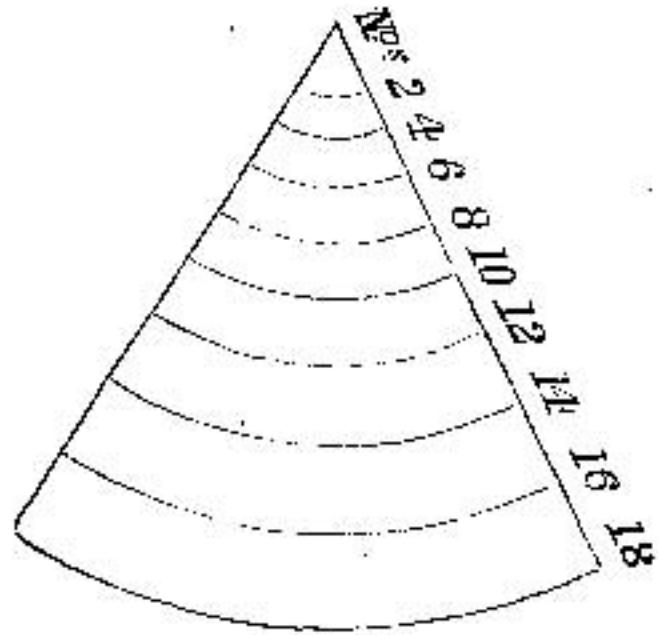
No. 786—Square Rabate.

RABATE PLANES.

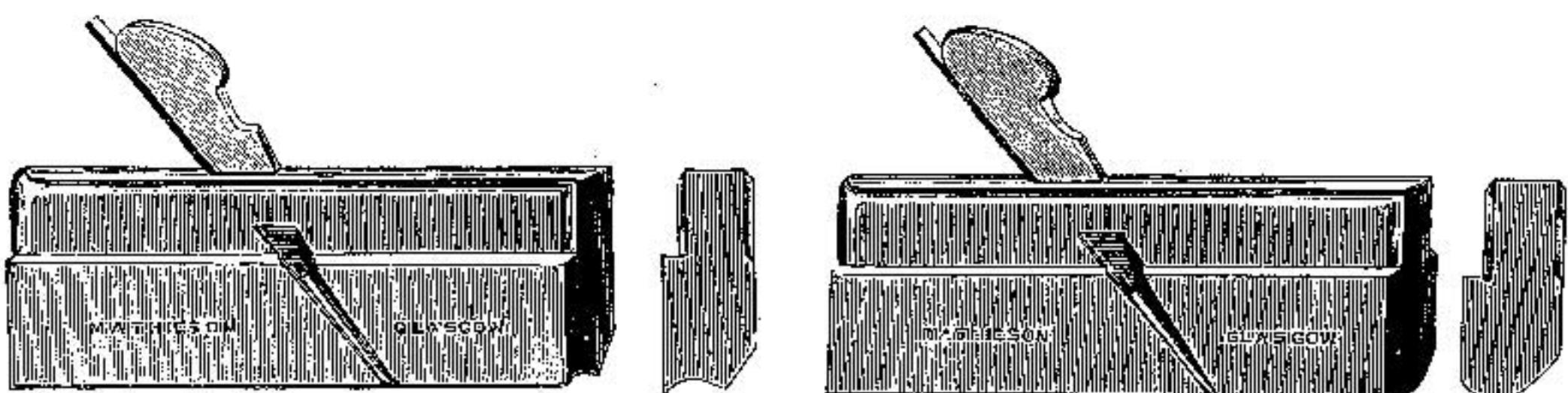
No. 787—Skew Rabate.

RABATE PLANES.

No.	To	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2 inch.
786—Square,	...	4/8	4/8	4/8	5/-	5/4	6/-	6/8 each.
787—Skew,	...	5/-	5/-	5/-	5/4	5/8	6/4	7/- ,,

CASEMENT PLANES, Hollow and Round.

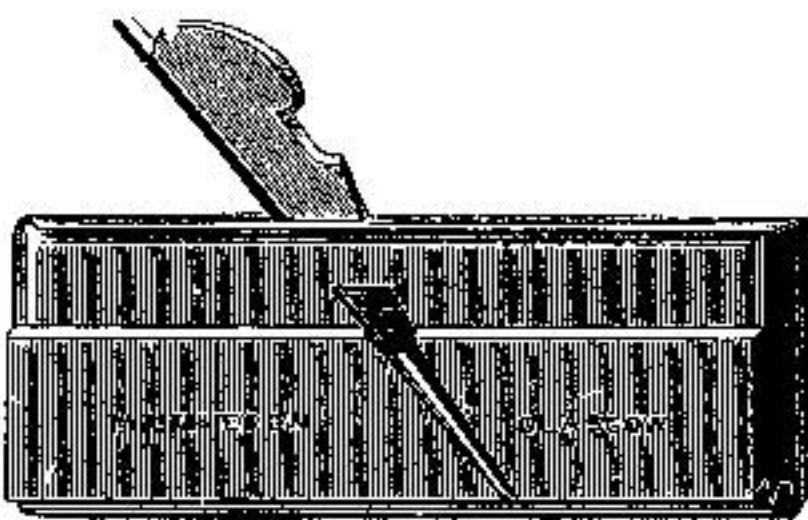
Curves for Hollows and Rounds.



Pair Casements—Hollow and Round.

HOLLOWs and ROUNDs.

Size,	No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	inch.
... ...	No. 1	$\frac{1}{8}$ bare	$\frac{3}{16}$	$\frac{5}{16}$	$\frac{1}{4}$	$\frac{9}{32}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{32}$	$\frac{5}{8}$	$\frac{11}{32}$	$\frac{3}{4}$	$\frac{13}{32}$	$\frac{1}{2}$	$\frac{15}{32}$	$\frac{11}{16}$	10/- per pair.

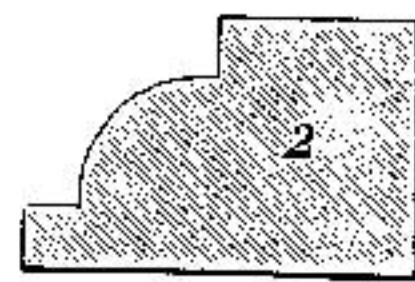


Bead Plane.



No.	11	12	13	14	15	16	17	18	19	20	21
	$\frac{1}{8}$	$\frac{1}{16}$	$\frac{1}{4}$	$\frac{1}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{1}{4}$	$\frac{5}{8}$	1 inch.
Boxed,	5/-	5/-	5/-	5/-	5/-	5/-	5/-	5/4	5/8	6/-	7/- each.

BEAD PLANES.

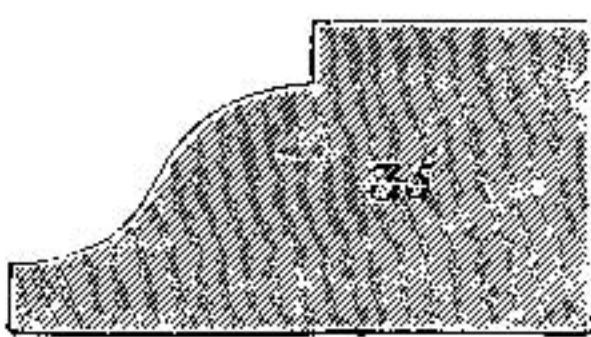


Ovalo.

OVALO MOULDINGS.

Common.

No.	4	3	2	1	
	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{5}{8}$	$\frac{1}{2}$	inch.
5/-	5/-	5/6	6/- each.		



Ogee.

OGEE MOULDINGS.

No.	39	38	37	36	35	34	33	
	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{1}{2}$	1 inch.
	4/8	4/8	4/8	4/8	5/4	6/-	7/- each.	



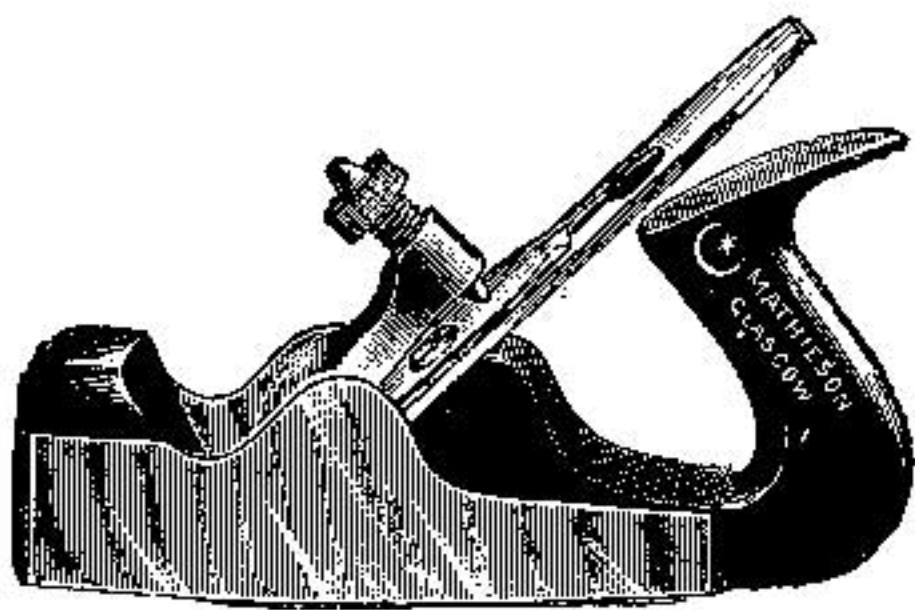
Scotia.

No. 809—SCOTIA PLANES.

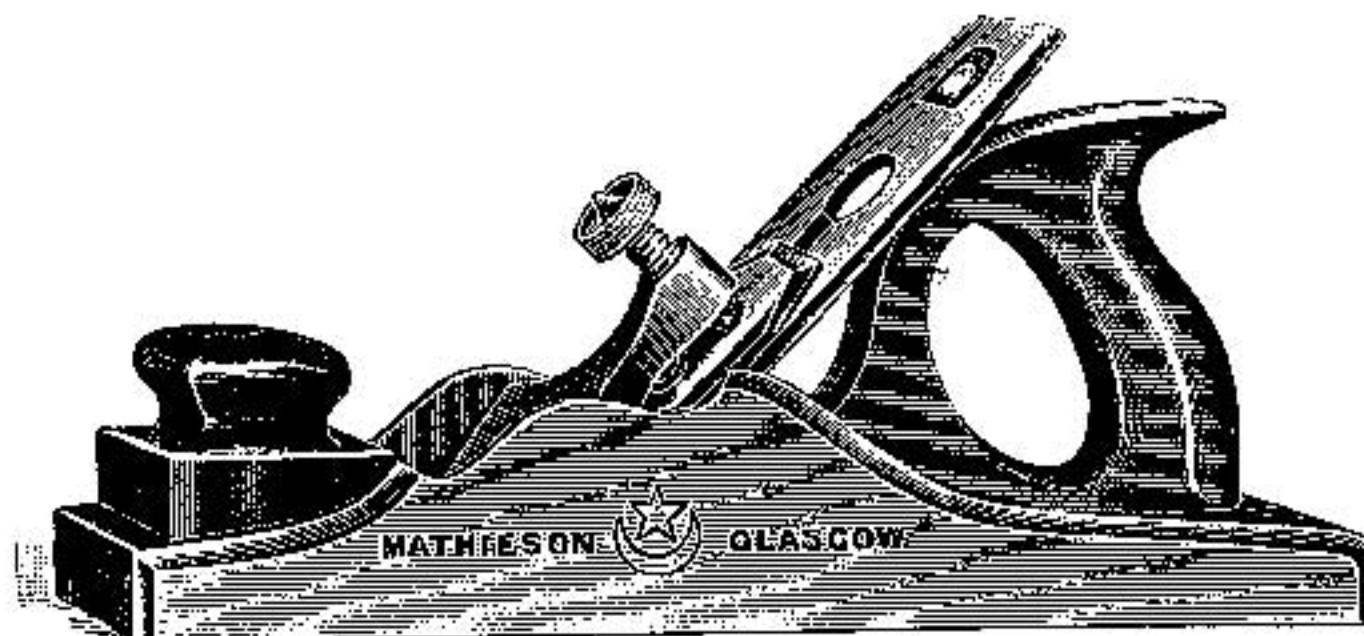
No.	809	1	inch.
	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{3}{8}$
5/-	5/8	6/-	6/6

NOTE.—Wood Planes of Patterns and Sizes not shewn will be quoted on application.

Wrought Steel Planes.



No. 843—Smoothing Plane with Handle.



No. 845—Panel Plane.

SMOOTHING PLANES, Wrought Steel, Dovetailed, Fitted with Rosewood, Gun-Metal Lever.

No.				1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	2 $\frac{1}{4}$	in. Iron.
842—Improved, without Handle,	....	....	....	41/8	42/9	42/9	43/10	each.
843—Improved, with Handle,	....	....	....	46/2	47/3	47/3	48/4	„
844—Parallel Sides, with Handle,	....	....	....	46/2	47/3	47/3	48/4	„

Extra.—Close Handle, to Nos. 843 and 844—2/3 each.

PANEL PLANES, Wrought Steel, Dovetailed, Fitted with Rosewood, Gun-Metal Lever.

No. 845,		13 $\frac{1}{2}$	14 $\frac{1}{2}$	15 $\frac{1}{2}$	16 $\frac{1}{2}$ in. \times 2 $\frac{1}{2}$ in. Iron.	If with 2 $\frac{1}{2}$	2 $\frac{1}{4}$ in. Iron.
		72/-	74/4	76/10	79/2 each.	Extra 2/4	4/10 each.

Note.—13 $\frac{1}{2}$ in. has flush ends, as illustrated; on 14 $\frac{1}{2}$ to 16 $\frac{1}{2}$ in. sole projects back and front.

RABATE PLANES, Wrought Steel, Dovetailed, Fitted with Rosewood, with Wedge.

No.		6	7	8	9	9	9	9	9	9	in long.
		$\frac{3}{8}$ or $\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{5}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{1}{4}$	in. Iron.
849—One Iron, Square,	25/8	27/-	28/6	29/8	31/-	32/3	33/9	35/3	37/10	40/6 each.

850—One Iron, Skew,	27/-	28/6	31/-	32/3	33/9	35/3	36/6	37/10	40/6	43/3 each.
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SPIRIT LEVELS.

No. 2C.



No. 21A.

No.		9	10	12	inches.
1a	Walnut, Polished, Coloured Tube, Side View, Plated Top,	21/9	24/3	—	per doz.
2c	Walnut, Polished, Tiger Eye Tube, Side View, Plated Top, Tipped Bottom,	33/4	36/-	—	„
7c	Rosewood, Polished, Tiger Eye Tube, Side View, Plated Top, Tipped Bottom,	35/3	38/3	—	„
07c	Ebony, Polished, Tiger Eye Tube, Side View, Plated Top, Tipped Bottom,	42/-	45/-	—	„
21A	Walnut, Boat Shape, Tiger Eye Tube, with Plumb Tube, Finger Grips, Side View, Plated Top, Tipped Bottom,	39/9	42/9	—	„
21c	Similar to No. 21A, but in Rosewood,	42/-	45/-	51/-	„
25	Mahogany, Railway Platelayers' Level for Curves, Plated Top, Tipped Bottom, Graduated in Inches and Half-inches,	—	—	11/3	each.

**LARGE PLUMB LEVELS.
(NOW MADE IN WATERPROOF PLYWOOD.)**

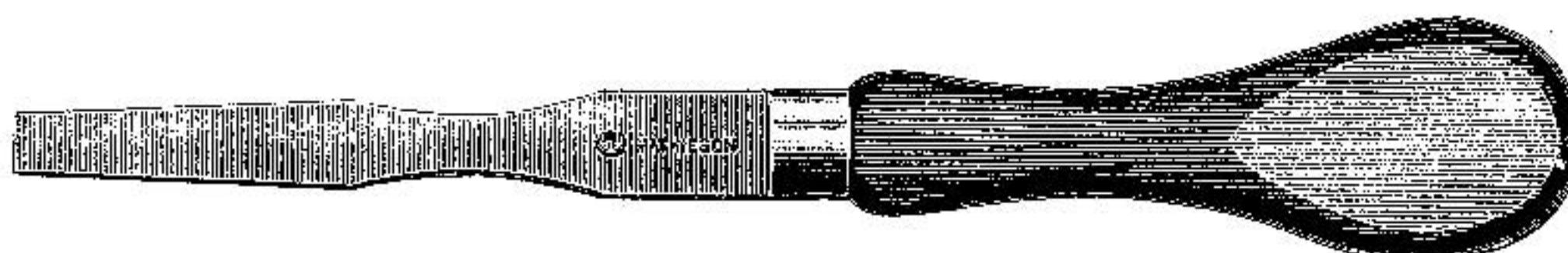

No. E 66.

No.		24	30	42	48	inches
66D	Mahogany, Narrow Pattern, 2½ in. × 1 in., Tipped on Bottom and one End, with Tiger Eye Level Tube and one Plumb Tube, and with Finger Grips,	—	—	9/9	11/3	each.
66E	Similar to No. 66D, but with two Plumb Tubes, as above illustration,	—	—	11/3	12/9	„
69B	Mahogany, Broad Pattern, 3 in. × 1¼ in., Enlarged Side View, with Tiger Eye Level Tube, and one Plumb Tube, and with Finger Grips,	6/5	7/5	—	—	„
70c	Mahogany, Broad Pattern, 3 in. × 1¼ in., Enlarged Side View, Tipped Bottom, with Tiger Eye Level Tube, and one Plumb Tube, and Finger Grips,	7/10	9/-	—	—	„
70n	Mahogany, Broad Pattern, 3 in. × 1¼ in., Enlarged Side View, Tipped on Bottom and one End, Tiger Eye Level Tube, and one Plumb Tube, and Finger Grips,	8/8	9/9	—	—	„

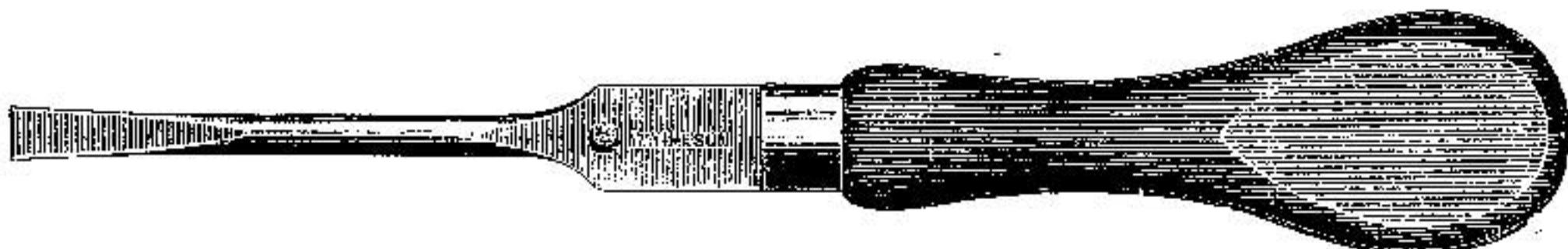
SPIRIT LEVEL TUBES.

No.	1	1½	1⅔	1⅔	2	2½	2½	3	3½	3½	3½	4	inch.
57	Warranted, Clear,	2/1	2/3	2/5	2/8	2/8	2/9	2/9	3/-	3/2	3/5	3/7	4/- dozen.
58	Warranted, Coloured,												
59	Warranted, Tiger Eye, No Centre Lines,	3/9	4/2	4/2	4/6	4/6	4/10	5/3	6/-	6/5	7/2	7/10	8/6 9/4 „
60	Warranted, Tiger Eye, with Centre Lines,	4/2	4/6	4/6	5/-	5/-	6/-	6/6	7/2	7/6	8/8	9/4 10/10] 10/10	„

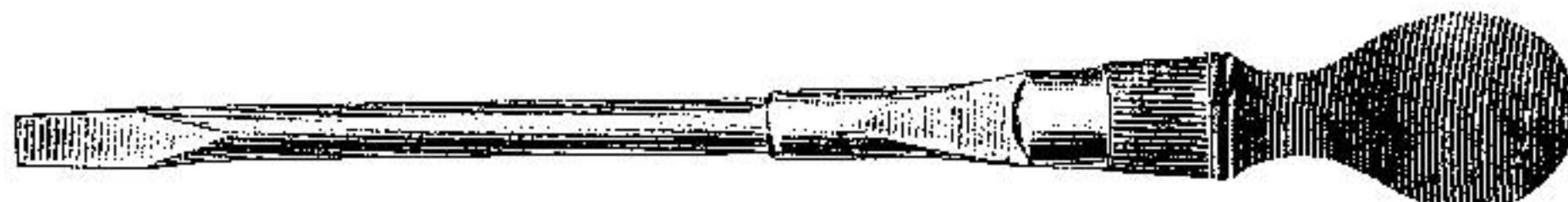
TURNSCREWS.



No. 862—TurnscREW, London Pattern.



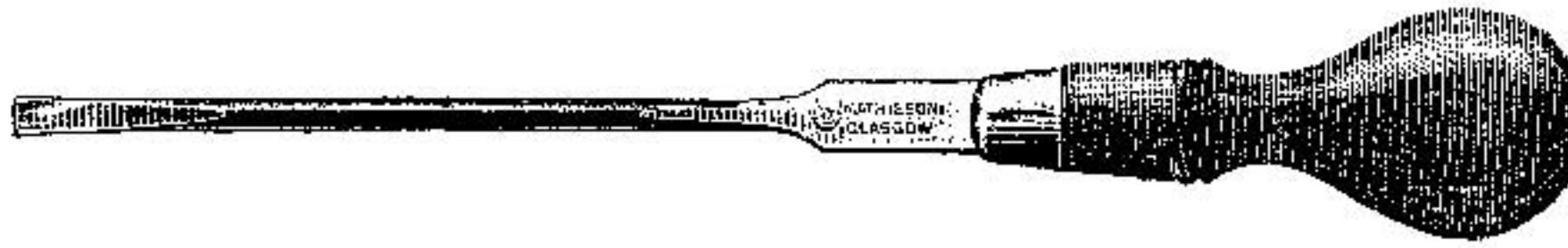
No. 866—Cabinet TurnscREW.



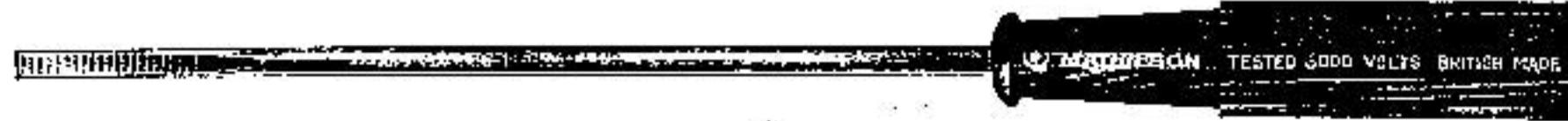
No. 870—Spindle TurnscREW.



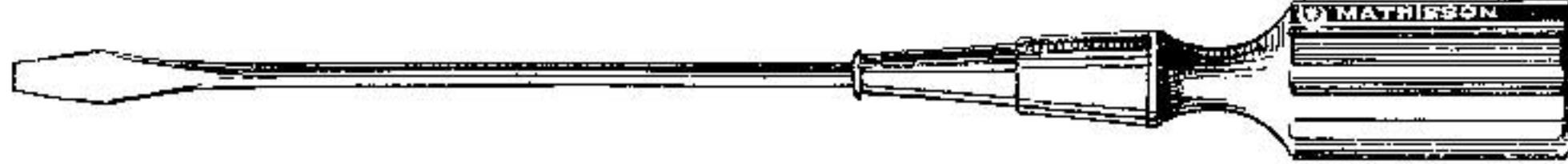
No. 871—Cabinet TurnscREW, "Star" Pattern.



No. 871½E—Electricians' TurnscREW, "Star" Pattern.



No. 872A—Electricians' TurnscREW, Insulated Handle.



No. 872B—Cabinet TurnscREW, Firm Grip.

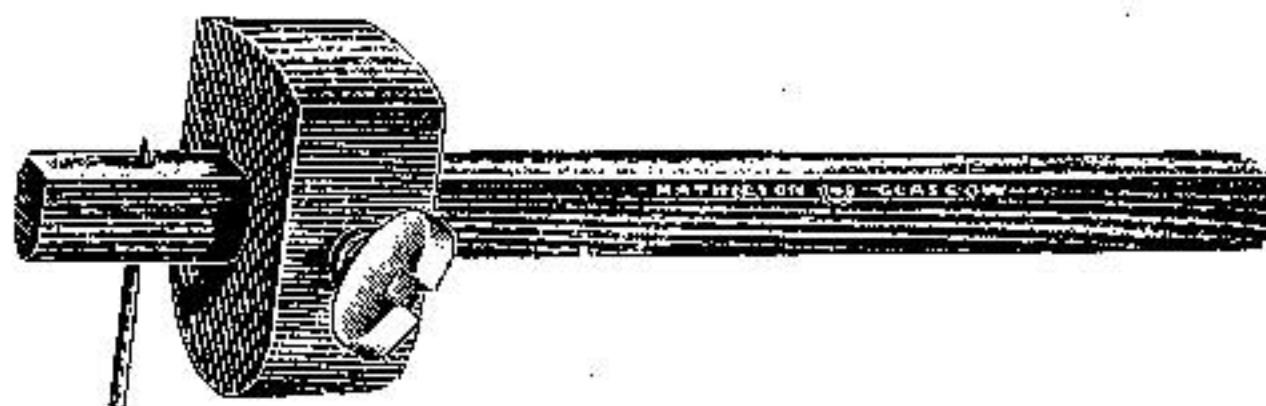


No. 872C—Motor TurnscREW.

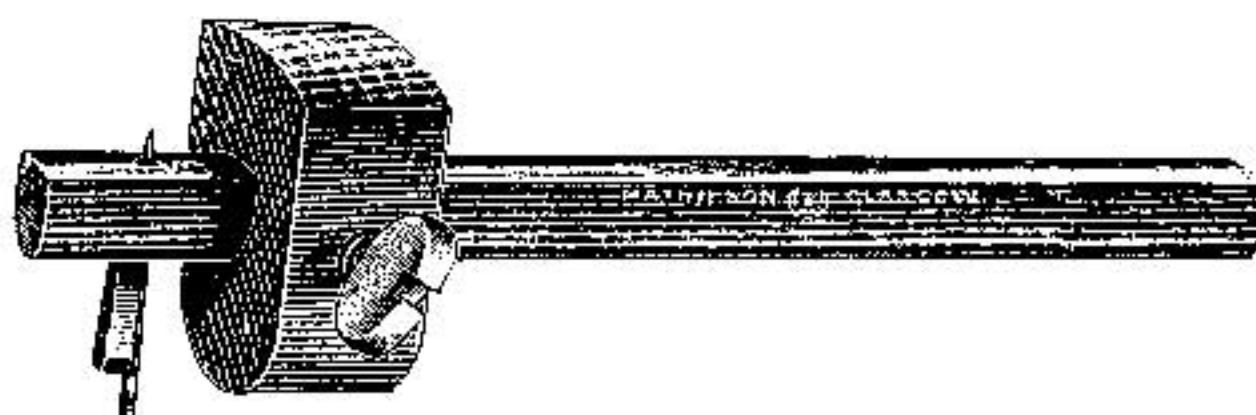
TURNSCREWS.

No.	Length of Blade,	1½	2	2½	3	3½	4	5	6	7	8	9	10	11	12	14	15	16	18 in.	
862	—London Pattern, Beech Handles,	—	—	—	—	10/9	—	12/10	14/10	17/6	21/7	25/-	28/4	34/6	39/3	44/6	55/4	60/9	66/3	78/4 doz.
866	—London Pattern, Cabinet, Beech Handles,	—	—	—	—	10/9	—	12/4	14/8	18/-	(20/10	23/8	28/8	32/8	37/3	42/9	—	—	—	—
870	—Spindle, Oval Beech Handles,	—	—	—	—	8/4	—	7/-	7/8	8/3	9/-	10/3	10/10	11/6	12/9	14/-	17/10	—	21/8	25/6
871	—"Star" Pattern, Cabinet, Oval Boxwood Handles,	—	9/6	—	10/-	10/9	10/9	18/6	16/3	18/6	22/3	25/3	27/6	—	32/6	—	—	—	—	
871½	—"Star" Pattern, Cabinet, Oval Beech Handles,	—	7/6	—	8/6	8/6	10/-	10/-	12/-	14/-	16/3	18/6	21/-	24/-	—	27/-	—	—	—	
871½E	—"Star" Pattern, Cabinet, Oval Beech Handles, Electricians',	—	7/-	—	8/-	8/-	9/3	9/3	11/3	13/3	15/3	17/6	19/9	22/6	—	25/3	—	—	—	
872A	—Electricians', Insulated Handles,	—	—	—	—	—	—	—	7/10	9/-	10/3	10/6	—	—	—	—	—	—	—	
872B	—Firm Grip Pattern, Pinned Thro' Tang,	—	—	—	—	8/3	—	9/9	11/3	12/3	14/3	16/3	18/-	18/9	—	20/-	—	—	—	
872C	—Motor, Strong Cabinet Blade, Crutch Handle, Beech,	—	13/6	13/6	13/6	13/6	—	—	—	—	—	—	—	—	—	—	—	—	—	
872D	—do. do. Boxwood,	16/3	16/3	16/3	16/3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

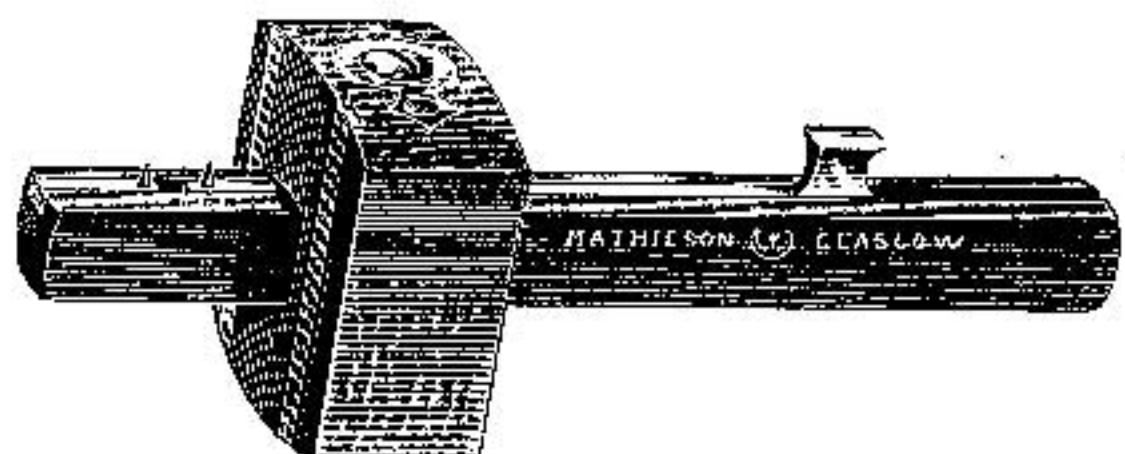
NOTE.—Turnscrews of Patterns and Sizes not shewn will be quoted on application.

MARKING, CUTTING and MORTICE GAUGES, Etc.

No. 879—Marking Gauge.



No. 884—Cutting Gauge.



No. 898—Best Slide Mortice Gauge, Plated.



No. 900—Screw Slide Mortice Gauge, Thumbscrew.

MARKING GAUGES.

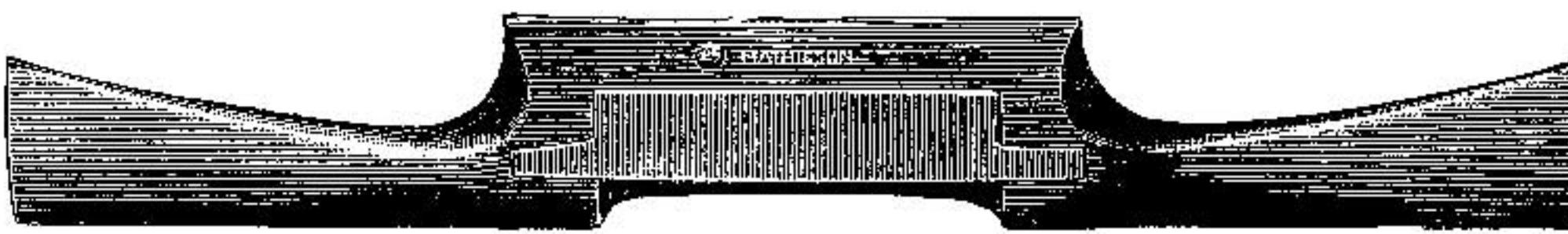
No.	12/- per doz.
878—Marking Gauges, Common, Beechwood,	...
879—Marking Gauges, Best, Beechwood,	15/- ,

CUTTING GAUGES.

884—Cutting Ganges, Beechwood,	19/6 per doz.
885—Cutting Gauges, Beechwood, Plated,	24/- ,

MORTICE GAUGES.

896—Mortice Gauges, Rosewood, Brass Slide,	42/- per doz.
898—Mortice Gauges, Rosewood, Best Brass Slide, with Shield, Plated,	60/- ,
900—Mortice Gauges, Rosewood, Screw Slide, Thumbscrew,	84/- ,
901—Mortice Gauges, Rosewood, Screw Slide, TurnscREW,	84/- ,

SPOKESHAVES.

No. 925—Spokeshave.



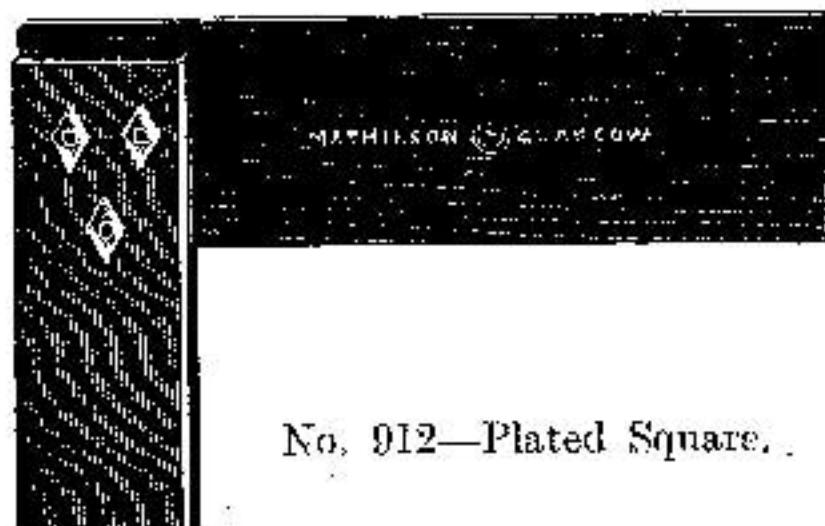
No. 926—Plated Spokeshave.

SPOKESHAVES, with Cast Steel Irons.

No.	1½	1¾	2	2½	2¾	2⅓	3	3½	3¾	4 in.
925—Beechwood Spokeshaves,	19/6	19/6	19/6	20/3	21/-	22/6	24/-	26/3	28/6	31/6 per doz.
926—Beechwood Spokeshaves, Plated,	25/6	25/6	25/6	26/3	27/-	28/6	30/-	33/-	36/-	42/- ,
930—Boxwood Spokeshaves,	27/9	27/9	27/9	28/6	30/-	33/-	36/-	39/-	42/-	48/- ,
931—Boxwood Spokeshaves, Plated,	34/6	34/6	34/6	36/-	37/6	40/6	43/6	46/6	49/6	55/6 ,

SQUARES, BEVELS, Etc.

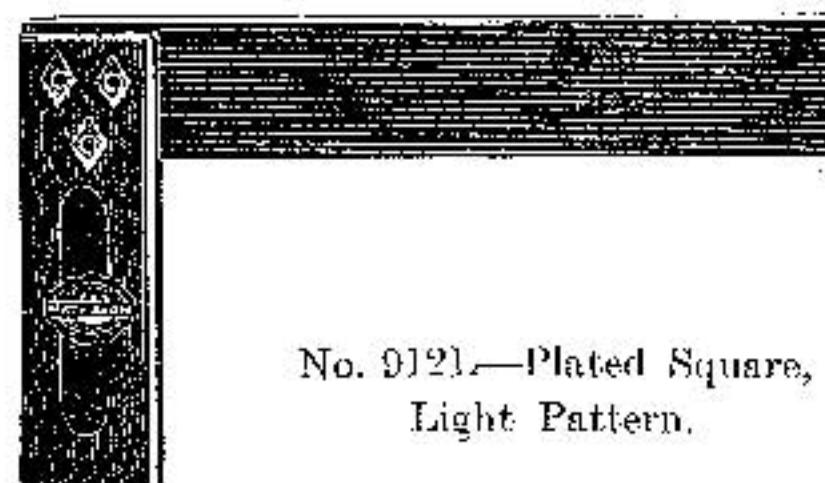
SQUARES.



No. 912—Plated Square.

No. 912—Rosewood Diamond Plated Squares.

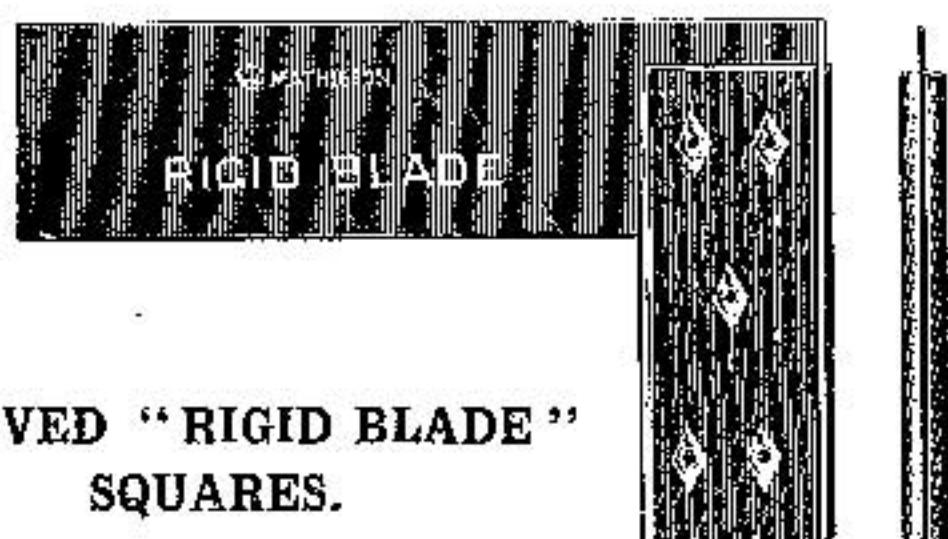
3	4½	6	7½	9	10½	12 in.
25/6	29/3	35/3	42/9	50/3	58/6	66/- per doz.



No. 912L—Plated Square, Light Pattern.

No. 912L—Rosewood Diamond Plated Squares, Light Pattern.

4½	6	7½	9	10½	12 in.
26/3	28/9	31/4	39/10	43/4	53/10 per doz.



IMPROVED "RIGID BLADE" SQUARES.

Sizes,	3	4½	6	7½	9	10½	12 inches.
No. 912A. Rose-	wood, Plated,	46/6	50/3	57/-	69/-	82/6	93/- 106/6 per doz.
No. 912B. Ebony,	Plated,	53/3	57/-	64/6	78/-	93/-	103/6 118/6 per doz.

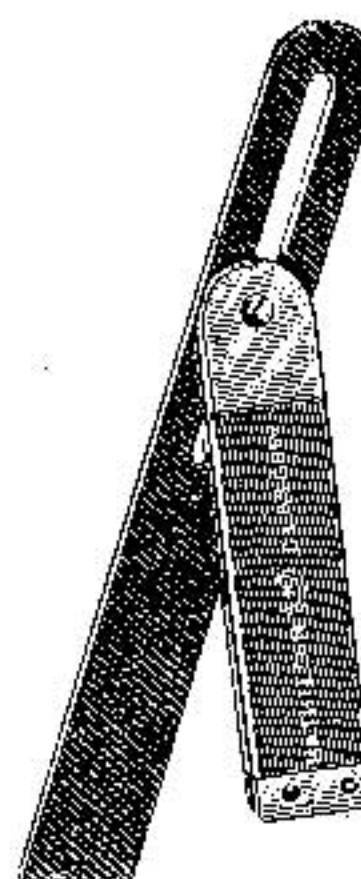
In these Squares, the Blades are of L shaped Steel, as shown in illustrations. The Steel in the Stock is Solid with the Blade, and is riveted the full length of the Stock. Squares so constructed are obviously much less liable to be put out of truth than the ordinary pattern of Squares, in which the Blade is straight shape, the breadth of the blade only being riveted into the Stock.



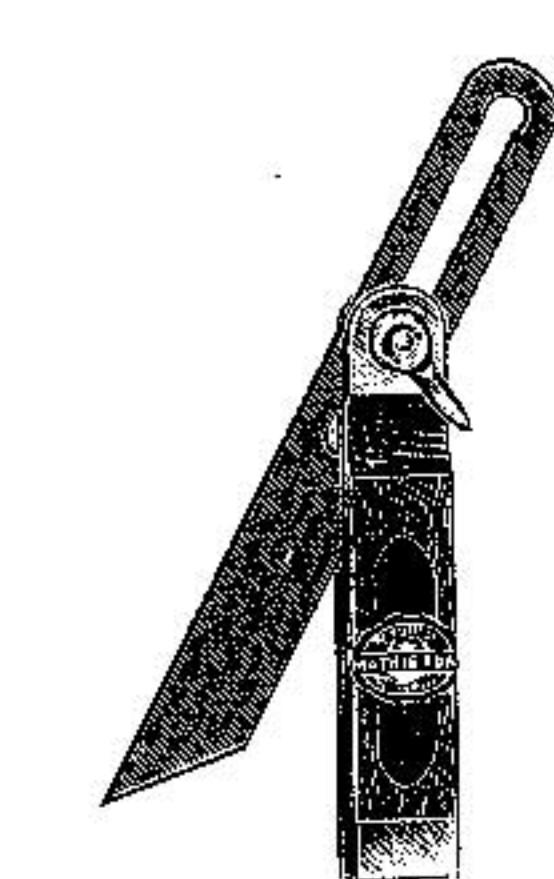
No. 913—Best Square.

3	4½	6	7½	9	10½	12 in.
No. 913—Rosewood Best Plated Squares	30/9	33/9	39/-	48/-	57/-	64/6 75/- per doz.
No. 914—Ebony Best Plated Squares, ...	33/-	36/-	42/-	51/-	60/-	69/- 81/- per doz.

BEVELS.



No. 921—Improved Sliding Bevel.



No. 921L—Improved Sliding Bevel, Light Pattern.

No.	7½	8	9	10	10½	12	15 in.
921—Rosewood Improved Sliding T Bevel, ...	48/-	—	54/-	—	60/-	66/-	84/- per doz.
921L—Rosewood Improved Sliding T Bevel, Light Pattern	32/3	—	33/9	—	—	—	[per doz.]
922—Ebony Improved Sliding T Bevel, ...	49/6	—	55/6	—	61/6	67/6	85/6 per doz.

NAIL PUNCHES.



No. 935—Round.



No. 936—Square.



No. 935B—Knurled Hollow Point.

935—Cast Steel, Black, Round, Nail Punches,	... 3/2 per doz.
936—Cast Steel, Black, Square, Nail Punches,	... 3/2 "
935B—Cast Steel, Bright, Knurled, Nail Punches, Cupped Points, ...	4/6 "
937—Cast Steel, Bright, Round, Nail Punches,	4/9 "
938—Cast Steel, Bright, Square, Nail Punches,	4/9 "

SAW PADS.



No. 966—Beech Saw Pad.



No. 967—Rosewood Saw Pad.

965—Saw Pads, with Tongue, Beech, Small,	... 16/6 per doz.
965B—Saw Pads, without Tongue, Beech, Small,	... 13/6 "
966—Saw Pads, with Tongue, Beech, Large,	24/- "
967—Saw Pads, with Tongue, Rosewood, Small,	26/6 "
968—Saw Pads, with Tongue, Rosewood, Large,	29/9 "

SQUARES, BEVELS, Etc.

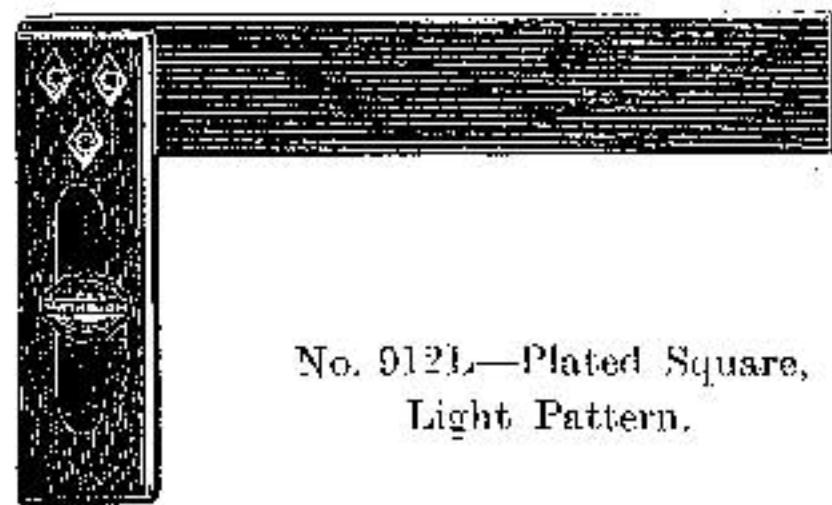
SQUARES.



No. 912—Plated Square.

No. 912—Rosewood Diamond Plated Squares.

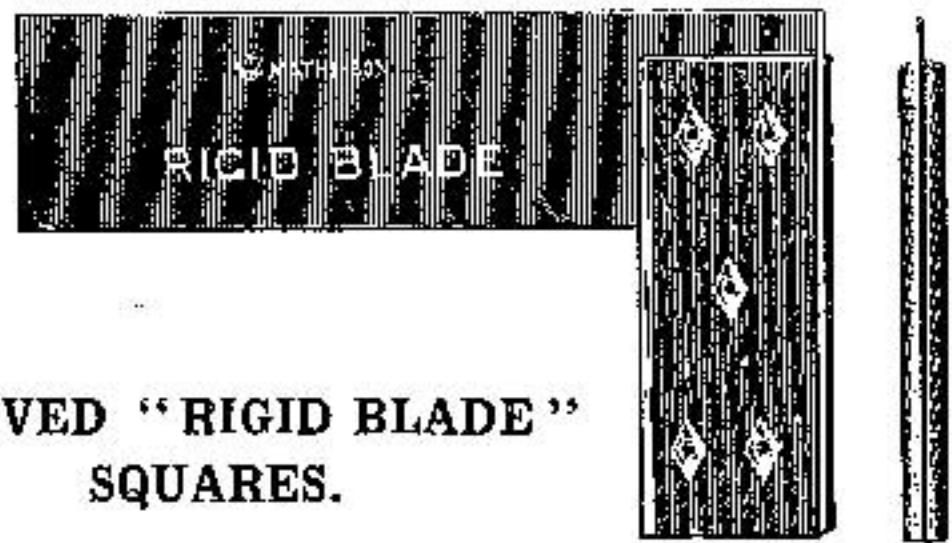
3	4½	6	7½	9	10½	12 in.
25/6	29/3	35/3	42/9	50/3	58/6	86/- per doz.



No. 912L—Plated Square, Light Pattern.

No. 912L—Rosewood Diamond Plated Squares, Light Pattern.

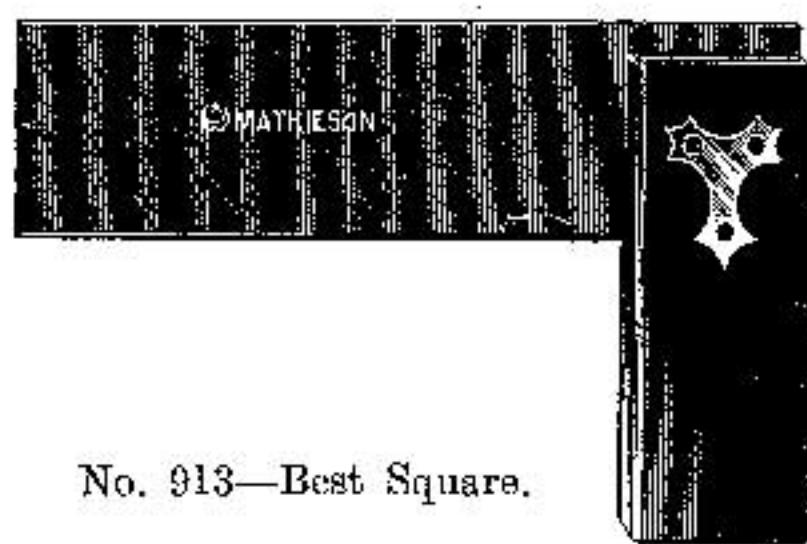
4½	6	7½	9	10½	12 in.
26/3	28/9	31/4	39/10	48/4	53/10 per doz.



IMPROVED "RIGID BLADE" SQUARES.

Sizes,	3	4½	6	7½	9	10½	12 inches.
No. 912A. Rose-	wood, Plated,	48/6	50/3	57/-	69/-	82/6	93/- 106/6 per doz.
No. 912B. Ebony,	Plated,	... 53/3	57/-	64/6	78/-	93/-	103/6 118/6 per doz.

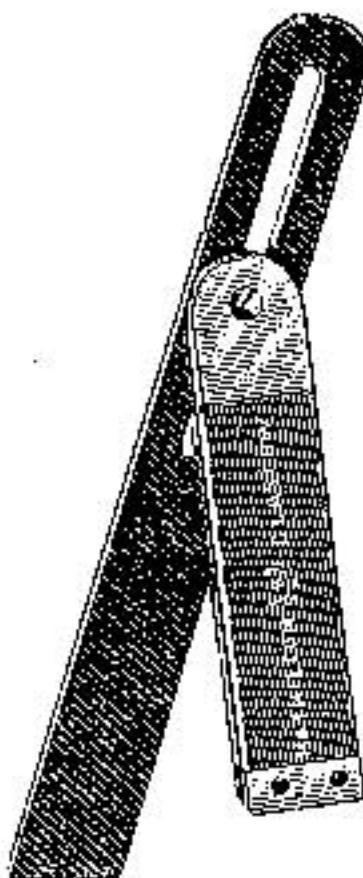
In these Squares, the Blades are of L shaped Steel, as shown in illustrations. The Steel in the Stock is Solid with the Blade, and is riveted the full length of the Stock. Squares so constructed are obviously much less liable to be put out of truth than the ordinary pattern of Squares, in which the Blade is straight shape, the breadth of the blade only being riveted into the Stock.



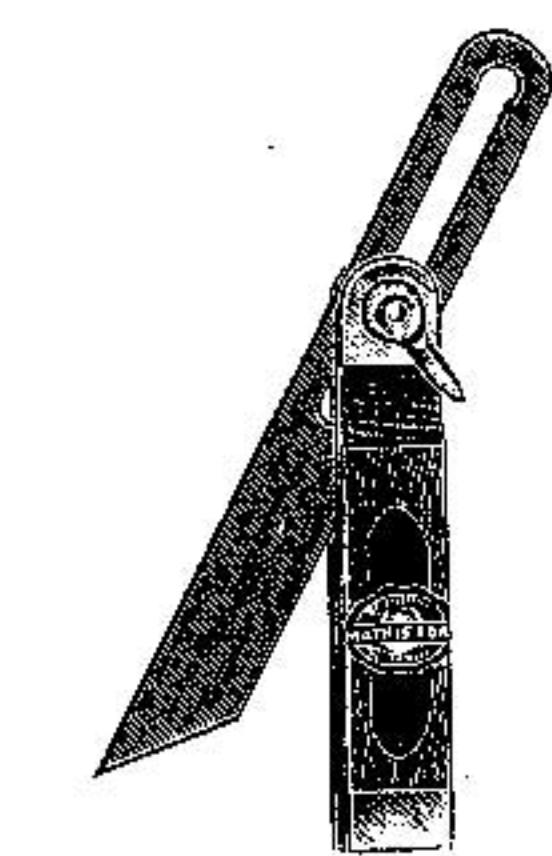
No. 913—Best Square.

3	4½	6	7½	9	10½	12 in.
No. 913—Rosewood Best Plated Squares	30/9	33/9	39/-	48/-	57/-	64/6 75/- per doz.
No. 914—Ebony Best Plated Squares, ...	33/-	36/-	42/-	51/-	60/-	69/- 81/- per doz.

BEVELS.



No. 921—Improved Sliding Bevel.



No. 921L—Improved Sliding Bevel, Light Pattern.

No.	7½	8	9	10	10½	12	15	in.
921—Rosewood Improved Sliding T Bevel, ...	48/-	—	54/-	—	60/-	66/-	84/-	per doz.
921L—Rosewood Improved Sliding T Bevel, Light Pattern	32/3	—	33/9	—	—	—	—	[per doz.]
922—Ebony Improved Sliding T Bevel, ...	49/6	—	55/6	—	61/6	67/6	85/6	per doz.

NAIL PUNCHES.



No. 935—Round.



No. 936—Square.



No. 935B—Knurled Hollow Point.

935—Cast Steel, Black, Round, Nail Punches,	... 3/2 per doz.
936—Cast Steel, Black, Square, Nail Punches,	... 3/2 ,
935B—Cast Steel, Bright, Knurled, Nail Punches, Cupped Points,	... 4/6 ,
937—Cast Steel, Bright, Round, Nail Punches,	... 4/9 ,
938—Cast Steel, Bright, Square, Nail Punches,	... 4/9 ,

SAW PADS.



No. 966—Beech Saw Pad.



No. 967—Rosewood Saw Pad.

965—Saw Pads, with Tongue, Beech, Small,	... 16/6 per doz.
965B—Saw Pads, without Tongue, Beech, Small,	... 13/6 ,
966—Saw Pads, with Tongue, Beech, Large,	... 24/- ,
967—Saw Pads, with Tongue, Rosewood, Small,	... 26/6 ,
968—Saw Pads, with Tongue, Rosewood, Large,	... 29/9 ,

SAW SETS, TURNING SAWS, Etc.

No. 947—Hand Saw Set, Plain End.

No. 947—Hand Saw Sets, Beech Handled, Plain End, 16/3 per doz.

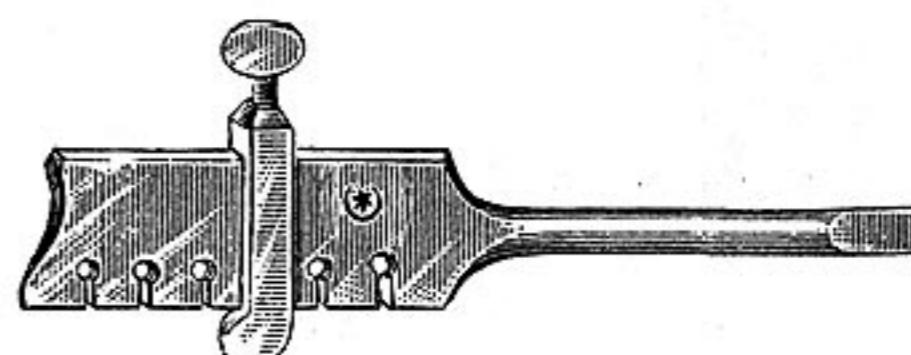


No. 960—Circular Saw Set.

No. 960—Saw Sets, for Circular Saws, 12/- 13/3 each. 6 8 gates.



No. 958—Pit Saw Set.

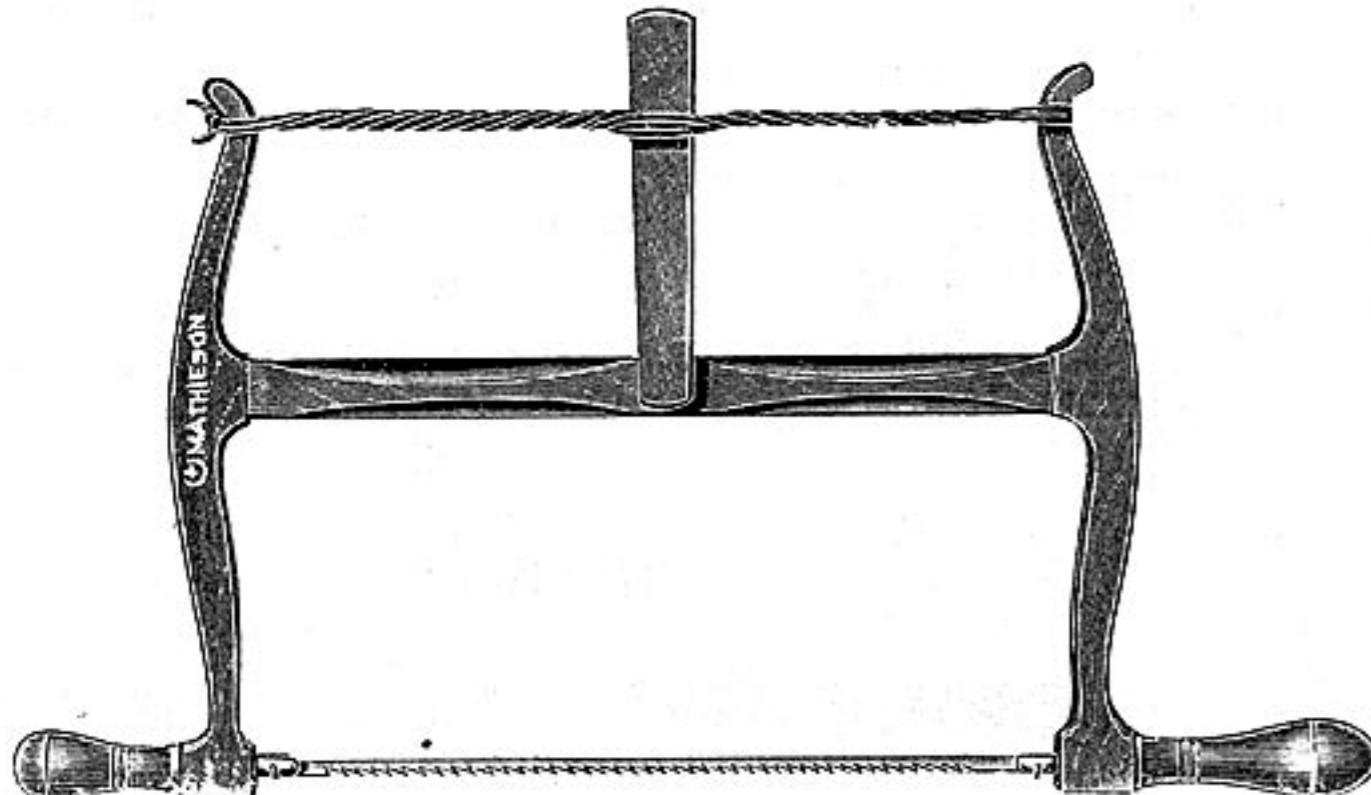


No. 959—Pit Saw Set, Bright, Slide Guard.

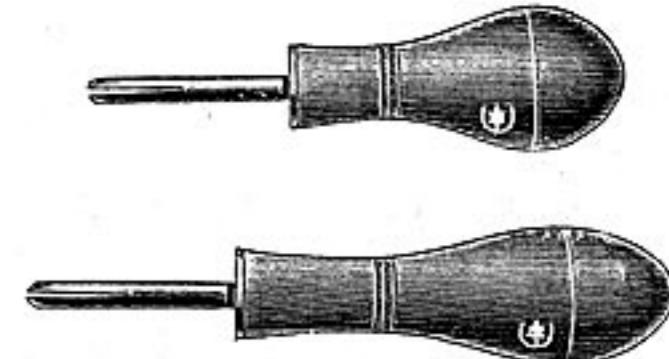
6 8 gates.

No. 958—Pit Saw Sets, Black, 29/3 36/6 per doz.

No. 959—Pit Saw Sets, Bright, Slide Guards, 43/3 — ,

TURNING SAWS AND FRAMES.

No. 971—Turning or Bow Saw.



No. 973—Bow Saw Handles.

TURNING SAWS AND FRAMES.

No.		To	10	12	14	16	18	20	22	inch.
971—Beech Handled,		8/8	9/4	9/6	11/6	13/2	15/-	16/9	each.	
973—Handles only, Beech,		2/5	2/7	2/9	3/-	3/4	3/7	4/6	per pair.	

No. 978—Bow Saw Blades.

BOW SAW BLADES.

No.	Length.		6 to 10	12	14	16	18	20	22	24 in.
978—Breadth, $\frac{1}{2}$ inch,		4/5	4/10	5/4	5/10	7/9	9/9	—	—	per doz.
" " $\frac{3}{8}$ "		5/4	5/10	6/4	6/10	7/9	9/9	12/8	14/8	"
" " $\frac{1}{2}$ "		6/4	6/10	7/4	8/9	9/9	11/9	12/8	14/8	"
" " $\frac{5}{8}$ "		—	—	—	—	10/9	12/8	12/8	14/8	"
" " $\frac{3}{4}$ "		—	—	—	—	—	—	13/8	16/7	"
" " 1 "		—	—	—	—	—	—	14/8	18/6	"

No. 979—Pad, or Key-hole Saw Blade.

PAD OR KEY-HOLE SAW BLADES.

No.	Assorted	9 to 12	9 to 14	All 8	9	10	11	12	13	14 in.
979—Pad Saw Blades,		4/-	4/9	3/7	3/10	4/-	4/3	4/6	5/5	6/3 per doz.

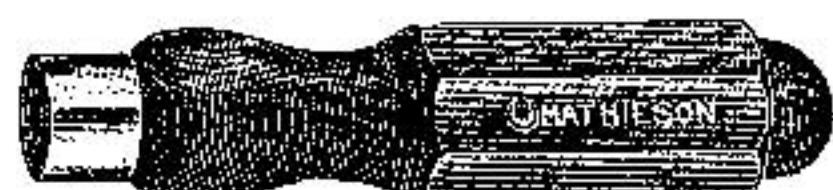
HANDLES.



No. 2—Chisel Handle.



No. 3—Chisel Handle.



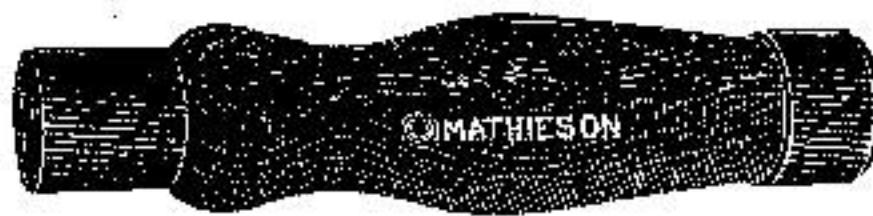
No. 4—Chisel Handle.

CHISEL HANDLES.

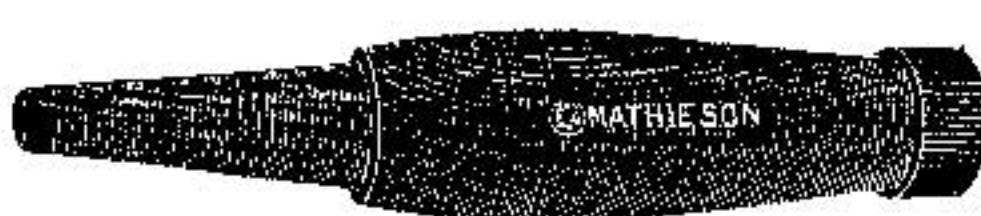
No.	For Chisels Diar. of Ferrule	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{1}{2}$	$\frac{11}{16}$	$\frac{1}{2}$	$\frac{13}{16}$	$\frac{1}{2}$	$\frac{15}{16}$	in.	Assorted Per gross.	Assorted Large. Per gross.
		$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	$\frac{7}{8}$	$\frac{15}{16}$						
2—Beech, Carving Tool Pattern,	30/-	30/9	35/3	37/6	39/-	42/9	47/3	50/3	56/3	61/6	67/3	2 in.	36/9	43/6
2—Boxwood, Carving Tool Pattern,	48/-	50/3	56/3	63/9	66/9	69/9	84/-	89/3	96/3	102/6	108/3	2 in.	61/6	74/3
3—Beech,	—	30/-	31/6	33/-	36/-	37/6	42/-	—	—	—	—	33/9	38/6	—
3—Boxwood,	48/-	50/3	56/3	63/9	66/9	69/9	84/-	89/3	96/3	102/6	108/3	2 in.	61/6	74/3
4—Boxwood, Octagon, London Pattern,	60/-	63/9	69/9	74/3	78/-	88/6	99/-	112/6	118/3	125/6	132/9	138/3	2 in.	75/-	90/9



No. 996—Ship Chisel Handle.



No. 997—Ship Chisel Handle, Regd.



No. 998—Socket Chisel Handle, Hooped.

No. 996—Shipwright's Chisel Handles, Double Hooped, Ash, 72/- per gross.
No. 997—Shipwright's Chisel Handles, Double Hooped, Ash, for Registered Chisels, 133/6 per gross.

No. 998—Socket Chisel Handles, Hooped, Beech.
Small. Mid. Large. Assorted.
44/6 55/6 74/- 59/- per gross.



No. 999—Brad Awl Handle.

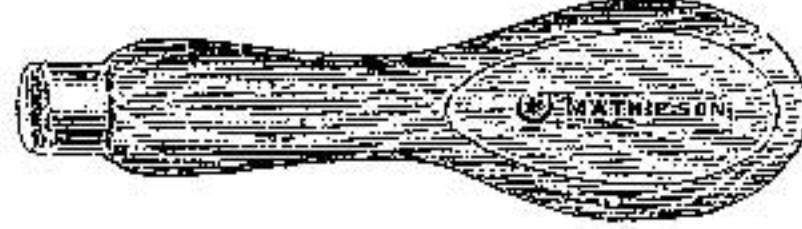


No. 1000—File Handle.

BRAD AWL HANDLES.

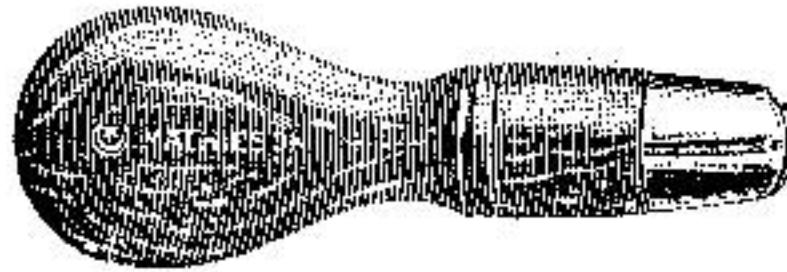
No. 999—Brad Awl Handles, Beech, Polished.
Assorted Sizes. Assorted Large Sizes.
23/- 24/- per gross.

No. 1000—File Handles, Beech.
Small, 4½ in. Mid, 5 in. Large, 5½ in. Assorted Sizes.
23/6 24/9 29/9 26/- per gross.



No. 1002—Turnscrew Handle.

TURNSCREW HANDLES.

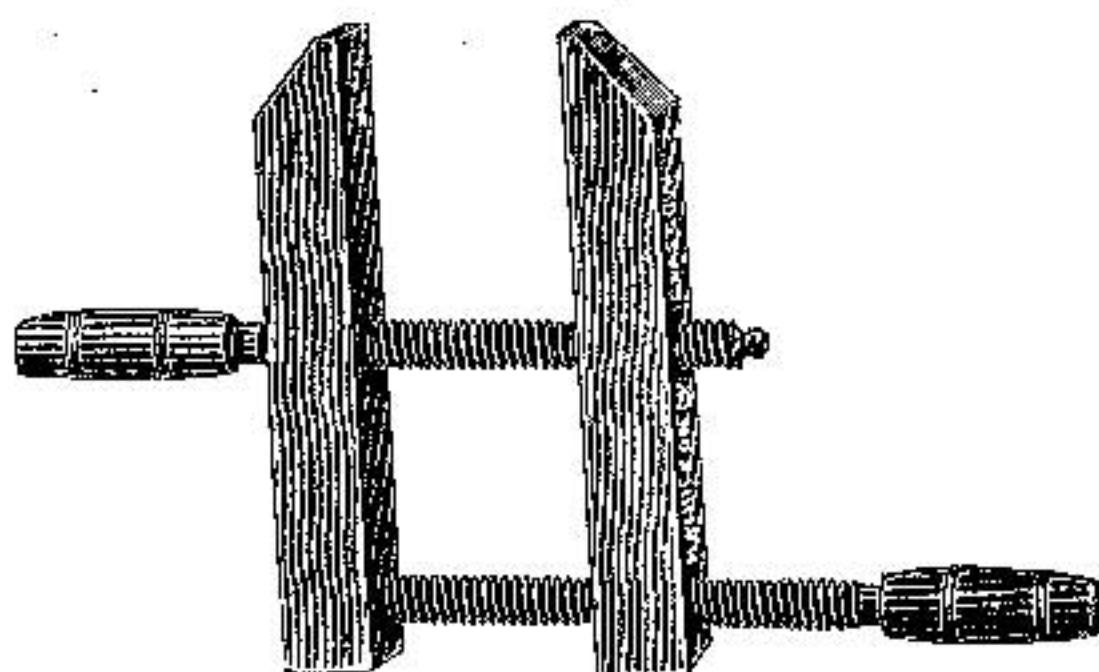


No. 1002B—"Star" Turnscrew Handle.

No.	For Length of Blades,	3	3½	4	5	6	7	8	9	10	12	in.
1002—Turnscrew Handles, Beech, Polished, Ferruled,	6/-	—	6/6	7/-	8/4	9/2	10/6	12/6	13/3	20/4	per doz.	
1002B—Turnscrew Handles, Beech, Polished, Ferruled, for "Star" Pattern,	....	5/3	6/-	6/3	6/9	8/8	9/9	11/8	12/9	14/8	17/3	,
1002C—Turnscrew Handles, Boxwood, Polished, Ferruled, for "Star" Pattern,	....	6/4	7/2	7/6	9/-	10/6	11/8	13/2	14/3	18/-	19/6	,

HAND SCREWS, MALLETS, Etc.

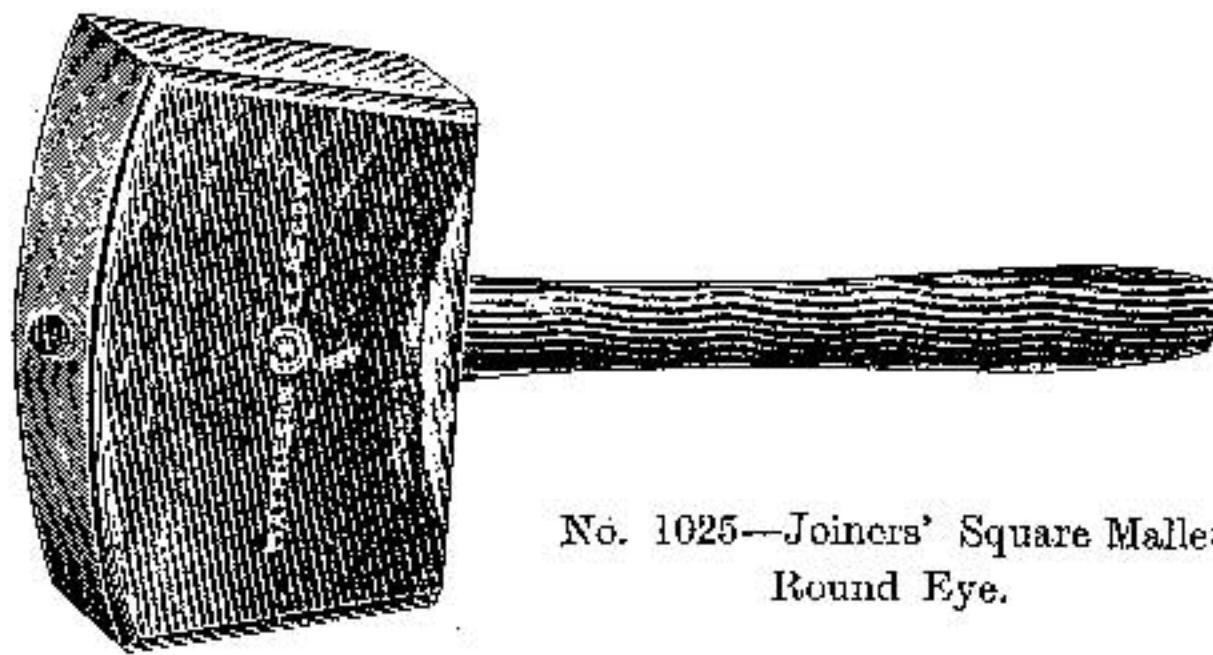
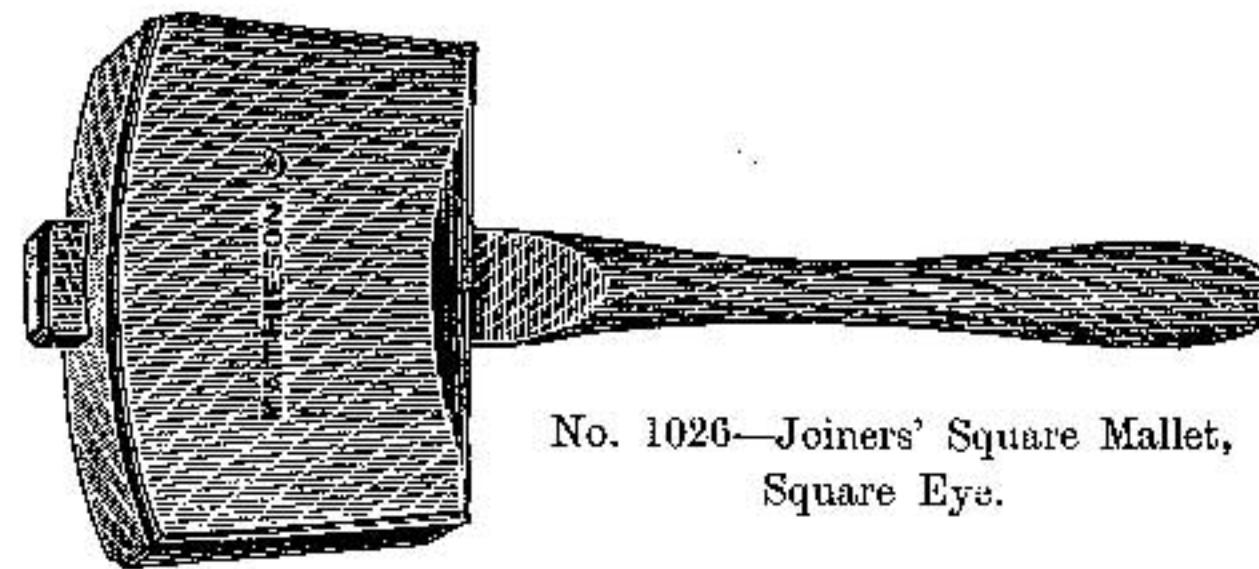
BEECH HAND SCREWS.



No. 1022.

8	10	12	14	16	18	20	inch.
28/3	33/9	38/3	47/3	67/6	90/-	117/-	per doz.

No. 1022—Pair Hand Screws.

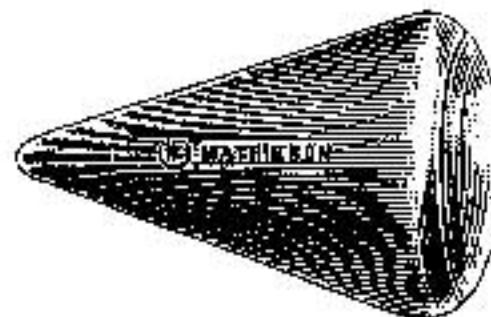
No. 1025—Joiners' Square Mallet,
Round Eye.No. 1026—Joiners' Square Mallet,
Square Eye.

JOINERS' MALLETS.

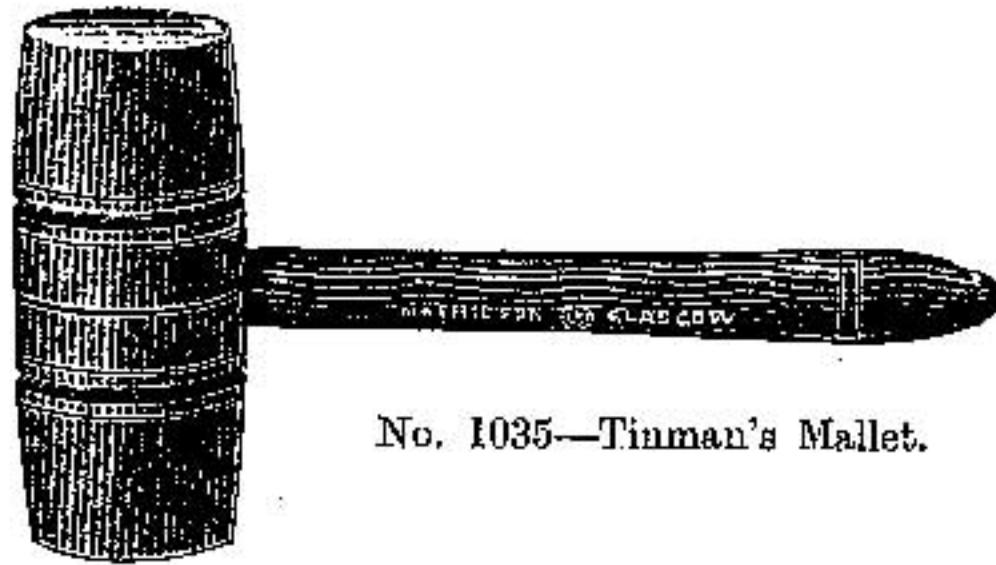
No.		No.	1	2	3	
	Sizes, about ...	6½×4½×3	7×4¾×3	7½×5×3	inch.	
1025—Joiners' Mallets, Square, with Round Eye,	... ...	37/9	41/-	45/3	per doz.	
1026—Joiners' Mallets, Square, with Square Eye,	... ...	50/6	52/6	56/9	per doz.	
No.		1	2	3	4	
1028—Technical School Mallets (same as No. 1026), Square, with Square Eye,	Sizes, about ...	4½×3½×2½	5×3¾×2½	5½×4×3	6×4½×3	inch.
		37/-	38/6	40/-	42/-	per doz.



No. 1031—Plumbers' Dresser.



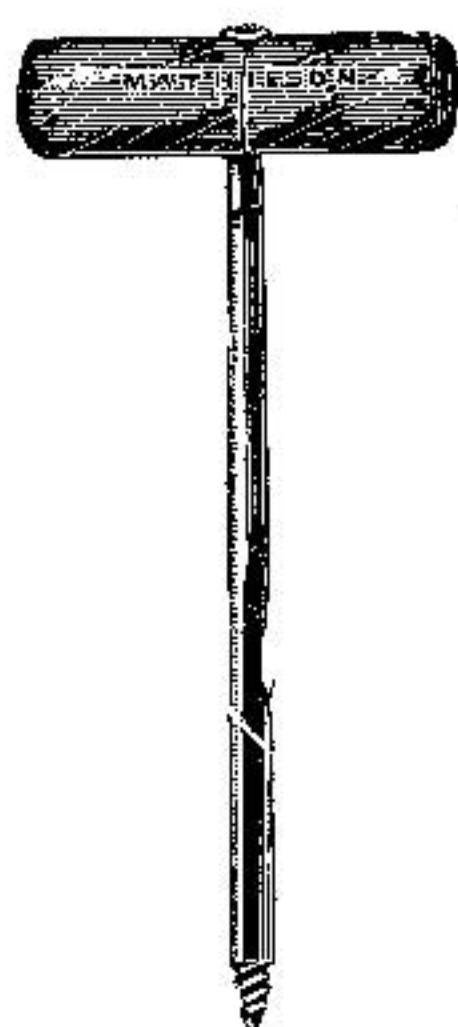
No. 1033—Turn-pin.



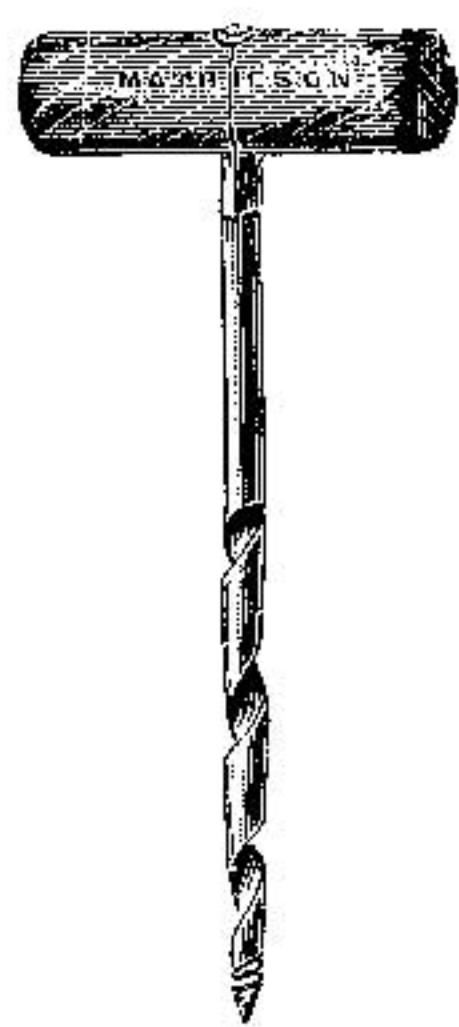
No. 1035—Tinman's Mallet.

No.		No.	1	2	3	
1031—Plumbers' Dressers,	... ...	Beech, 35/9; Boxwood, 57/6	per doz.			
1033—Plumbers' Boxwood Turnpins,	1 4/6	1½ 5/6	1½ 7/-	1¾ 10/3	2 15/-	2½ 28/3
		2½ 29/3	2½ 39/-	3 41/3	3½ 54/-	4 inch. per doz.
No.		No.	1	2	3	
1034—Tinmen's Mallets, Round Boxwood,	... ...	Sizes, about ...	5½×2½	6½×2½	7½×2½	inch.
1035—Tinmen's Mallets, Round Beech,	... ...		35/6	39/6	47/3	per doz.
			23/-	24/-	25/3	per doz.

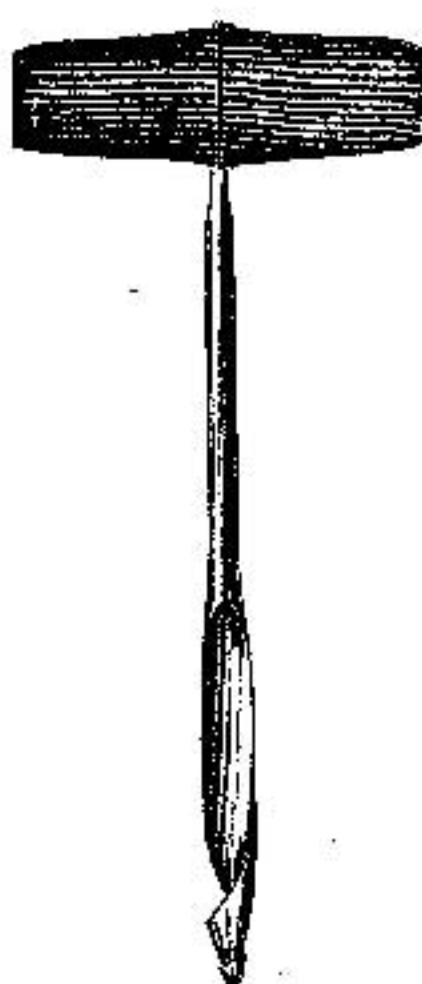
GIMBLETS and BRAD AWLS.



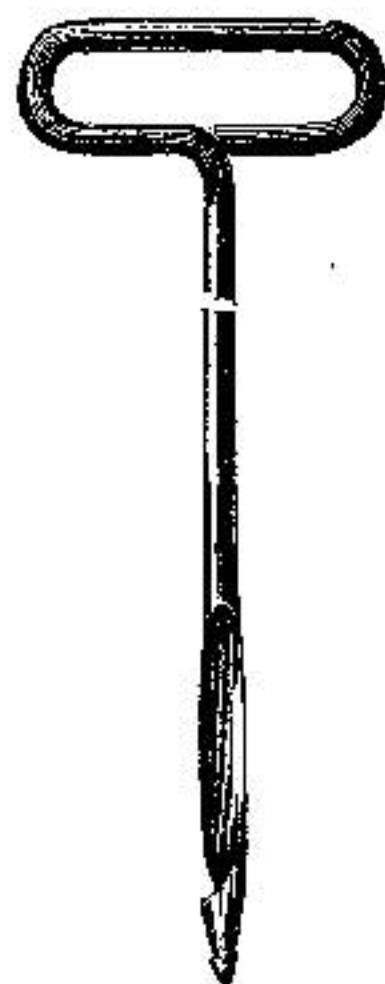
No. 3—Shell Gimblet.



No. 13—Twist Gimblet.



No. 18—Wilk Gimblet.



No. 19—Wilk Gimblet.

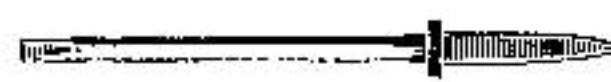
GIMBLETS.

No.	Measures about, Size,	Gimblets.								Assorted to $\frac{1}{2}$ in.	Assorted 4th to 7th Sizes.
		$\frac{1}{8}$	$\frac{1}{8}F$	$\frac{3}{16}B$	$\frac{3}{16}$	$\frac{7}{32}$	$\frac{1}{4}$	$\frac{1}{4}F$			
2—Shell, Full Length, Plain Heads,	... 39/-	42/-	46/6	51/-	57/-	64/6	73/6	48/-	57/-	per gross.	
3—Shell, C.S., Best Plain Heads,	... 51/-	54/-	58/6	63/-	69/-	76/6	85/6	60/-	69/-	"	
11—Twist, Common, Short, Plain Head,	... 40/6	43/6	48/-	52/6	58/6	66/-	75/-	49/6	58/6	"	
13—Twist, C.S., Best Plain Heads,	... 60/-	63/-	67/6	72/-	78/-	85/6	94/6	69/-	78/-	"	
19—Wilk Gimblets, Bow Handle, all Steel,	... 49/6	54/-	60/-	66/-	72/-	78/-	85/6	60/-	—	"	
18—Wilk Gimblets, Boxwood Heads,	... 49/6	54/-	60/-	66/-	72/-	78/-	85/6	60/-	—	"	

BRAD AWLS.



No. 55—Handled Brad Awl.



No. 56—Brad Awl Blade.

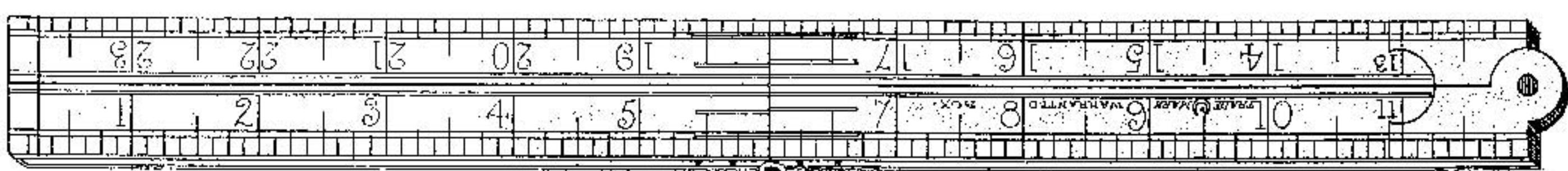
BEST BRAD AWLS, Improved, Flat Tangs.

No.	50	51	52	53	54	55	56	57	58	59	60	61	62
Length, ...	$\frac{3}{4}$	$\frac{3}{4}$	1	1	1	1	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$ inch.
Thickness about $\frac{5}{16}$ to 20	19	18	17	16	15	14	13	12	11	10	9	8	W.G.
Awl Blades, ...				17/3				18/-	18/9	21/-	24/-	27/-	33/- per gross.

Assorted	Blades only.	Handled Round Beech.
Nos. 50 to 54, ...	17/3	42/9 per gross.
„ 52 to 54, ...	17/3	42/9 "
„ 55 to 60, ...	19/6	45/- "
„ 58 to 62, ...	24/-	50/3 "

No.	Assorted	1 to 2	$1\frac{1}{2}$ to $2\frac{1}{2}$ inch.
068. Best Brad Awls, Pinned Tang, Oval Ash Handles, ...	51/-	...	66/- per gross.
069. Best Brad Awls, Pinned Tang, Round Boxwood Handles, ...	75/-	...	90/- "

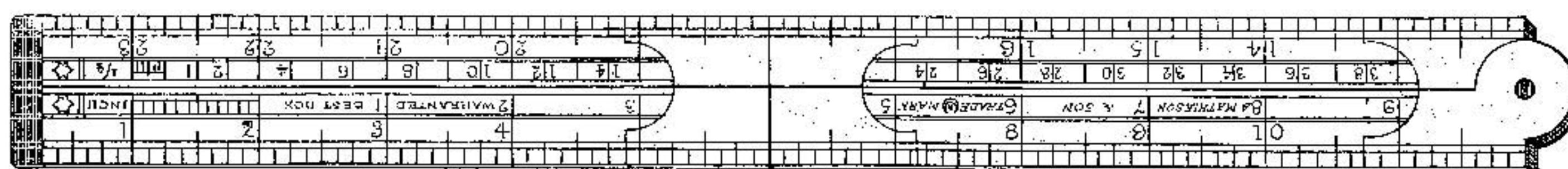
BOXWOOD RULES.



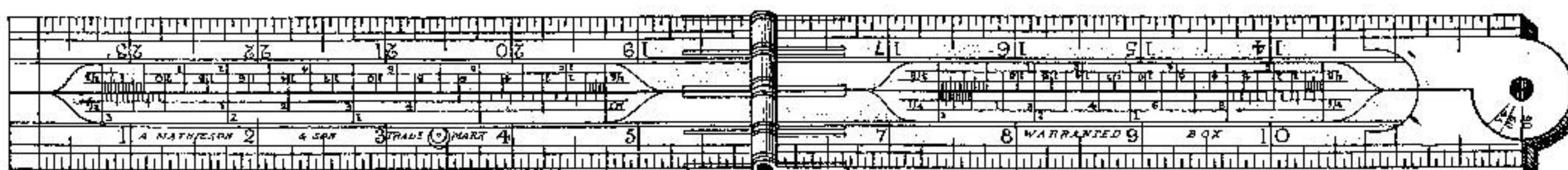
No. 10



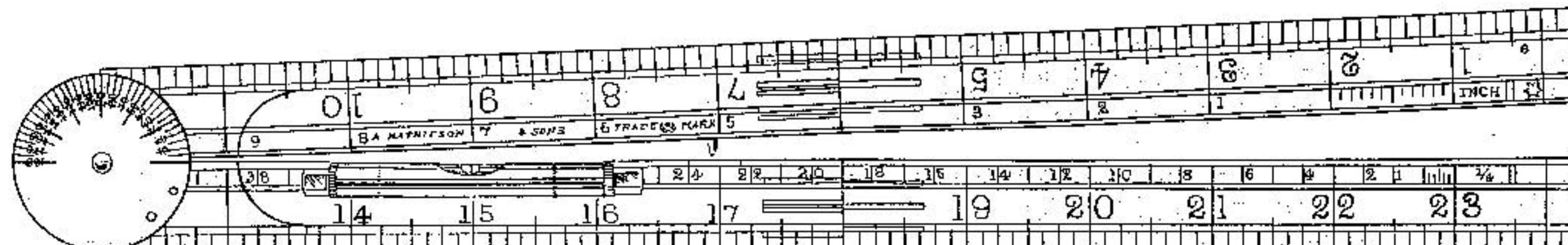
No. 32



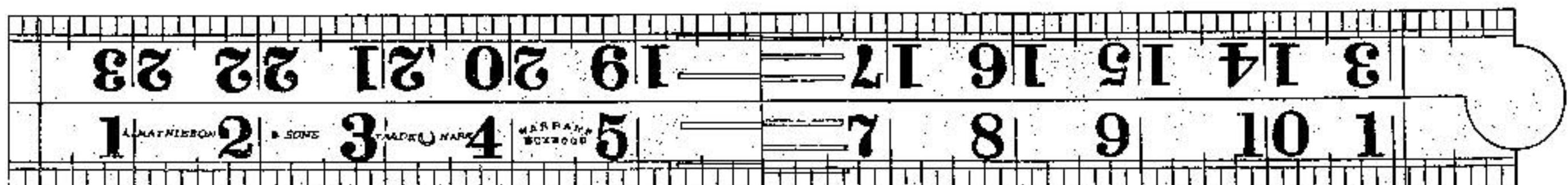
No. 42



No. 79



No. 99.



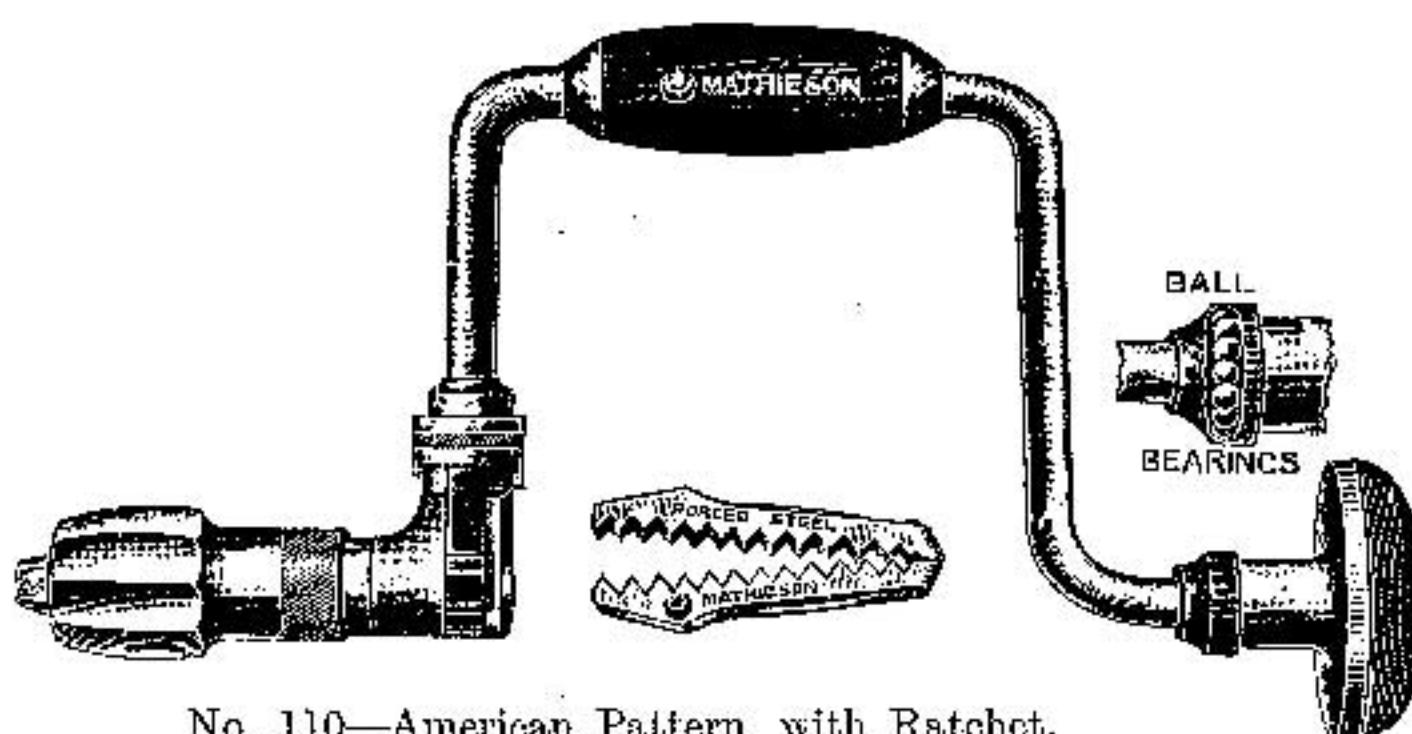
No. 113.

BOXWOOD RULES, Two and Three Feet, Four-Fold.

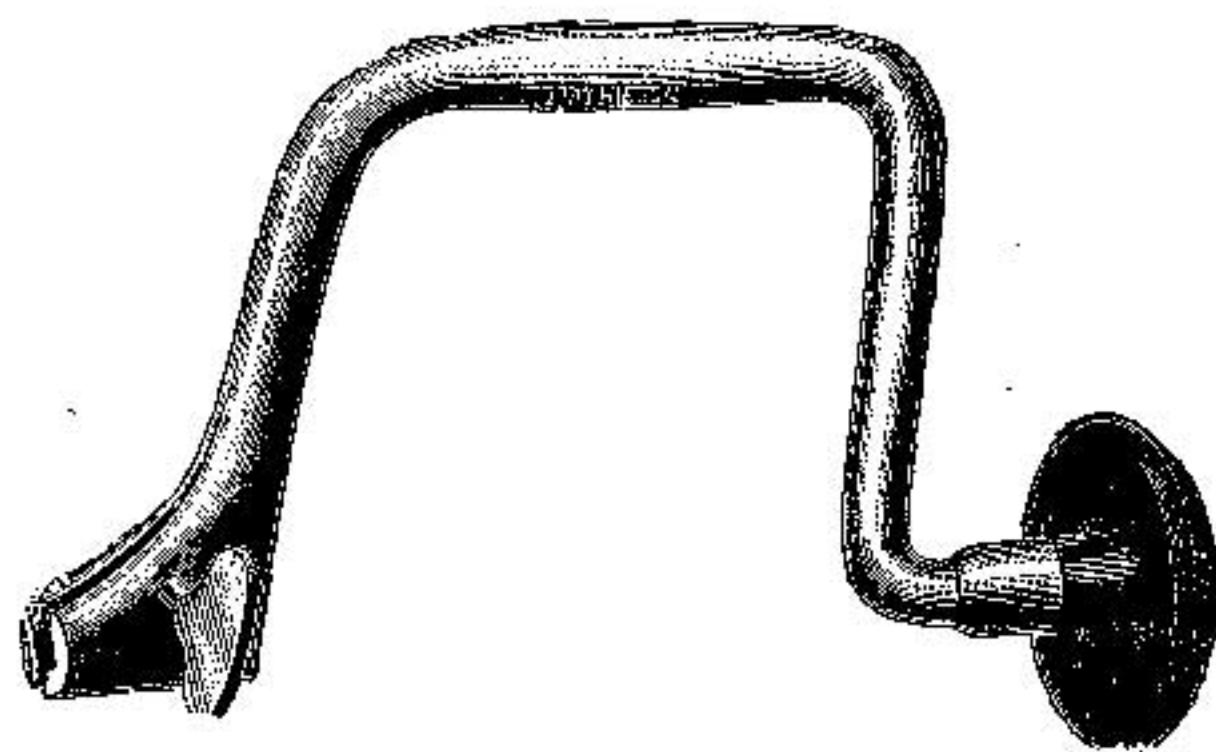
No.

	Breadth.	No.	2 feet.	3 feet.
10—Arch Joint, Brass Tipped, marked inches in 8 and 16ths, ...	... 1 in.	10	21/-	24/6 per doz.
12—Arch Joint, Brass Tipped, marked inches in 8, 10, 12, and 16ths, ...	... 1½ „	12	24/8	29/- „
13—Arch Joint, Brass Tipped, marked inches in 8, 10, 12, and 16ths, ...	... 1¾ „	13	26/9	32/6 „
22—Arch Joint, Brass Tipped, marked inches in 8, 10, 12, and 16ths, and Scales, Brass Pin Plates, Bevelled Edge first leg, and Angles on Joint, ...	1½ „	22	30/8	37/3 „
23—Arch Joint, Brass Tipped, marked inches in 8, 10, 12, and 16ths, and Scales, Brass Pin Plates, Bevelled Edge first leg, and Angles on Joint, ...	1¾ „	23	35/-	41/9 „
32—Arch Joint, Edge Plates, marked inches in 8, 10, 12, and 16ths, and 4 Scales, ...	1½ „	32	44/3	51/3 „
33—Arch Joint, Edge Plates, marked inches in 8, 10, 12, and 16ths, and 4 Scales, ...	1¾ „	33	48/9	55/9 „
42—Double Arch Joint, Brass Pin Plates, marked inches in 8 and 16ths, and 4 Scales, ...	1½ „	42	46/6	53/6 „
43—Double Arch Joints, Brass Pin Plates, marked inches in 8 and 16ths, and 4 Scales, ...	1¾ „	43	48/9	55/9 „
72—Arch Joint, Edge Plates, 8 Scales, 4 Bevels, Angles on Joint, ...	1¾ „	72	62/9	83/9 „
82—Arch Joint, Pin Plates, 16 Scales, 4 Bevels, Degrees on Joint, G.S. Mounts, ...	1½ „	82	111/6	139/6 „
99—Arch Joint, Brass Mounts, marked inches in 8 and 16ths, and Scales, with Spirit Level, and Angles on Joint, ...	1½ „	99	74/3	90/- „
113—Square Joint, marked inches in 8 and 16ths, Bold Figures, ...	1½ „	113	24/-	29/3 „
12M—Arch Joint, Brass Tipped, Marked London and Metric	1½ „	12M	21/9	27/- „

BRACES and BITS.



No. 110—American Pattern, with Ratchet.



No. 1053—Split Socket Brace, Colonial Pattern.

AMERICAN PATTERN BRACES, with Adjustable Bit Holder.

Sweeps and Jaws made from Forged Steel.

		With Ratchet.	Without Ratchet.
Nickel Plated, Hardwood Handle and Head, Ball Bearings to Head, ...	8-in sweep,	No. 108, 9/6 each.	No. 408, 6/8 each.
Nickel Plated, Hardwood Handle and Head, Ball Bearings to Head, ...	10-in ,	No. 110, 10/- ,	No. 410, 7/3 ,
Nickel Plated, Teak Handle and Head, ... , , , ,	8-in ,	No. 208, 9/3 ,	No. 508, 5/3 ,
Nickel Plated, Teak Handle and Head, ... , , , ,	10-in. ,	No. 210, 9/8 ,	No. 510, 5/7 ,
Bright, Teak Handle and Head, ... , , , ,	8-in. ,	No. 308, 8/1 ,	No. 608, 4/3 ,
Bright, Teak Handle and Head, ... , , , ,	10-in. ,	No. 310, 8/4 ,	No. 610, 4/6 ,
	Sweep, ...	8 10 12 14 in.	
No. 1053—"Colonial" Pattern Braces, Split Socket, Iron Head, ...	... ,	7/3 7/8 8/2 9/- each.	
No. 1053A—Spare Thumbscrews for above, ... ,	... ,	10/6 10/6 10/6 10/6 per doz.	

BRACE BITS.



No. 1060—Centre Bit.



No. 1062—Gouge.



No. 1068—Twisted or Wilk Shell Bit.

CENTRE BITS.

No.	7/8 to 3/4	7/16	1/2	5/8	1	1 1/8	1 1/4	1 5/8	1 1/2	1 5/8	1 1/4	1 7/8	2	2 1/8	2 1/4	inch.			
1060—C.S., Black,	7/8	8/-	8/-	8/6	9/-	10/-	10/9	12/6	14/6	16/3	18/-	19/9	22/6	25/3	28/9	50/6	50/6 per doz.		
							1/8	5/32	1/8	5/32	1/4	3/16	5/16	3/8	7/16	1/2	9/16	5/8	1/2 inch.
1062—Gouge Bits, C.S., Black, Bright Insides, ...	16/3	16/3	8/6	8/6	8/6	8/6	8/6	8/6	9/-	9/-	10/-	12/6	14/6	18/-	21/6	26/-	per doz.		
1063—Spoon Bits, C.S., Black, Bright Insides, ...																			
1064—Nose or Fipple Bits, C.S., Black, Bright Insides, ...																			
1068—Twist or Wilk Shell Bits, Black, ...	4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/10	5/8	7/2	—	—	—		



No. 1071—Flat or Iron Countersink.



No. 1075—Square Rinder.



No. 1072—Snail Horn or Wood Countersink.

COUNTERSINKS.

No.	Per
1071—Countersinks, Cast Steel, Black, Flat Head, for Iron, ...	8/2 doz.
1072—Countersinks, Cast Steel, Black, Snail Horn, for Wood, 9/-	, ,
1073—Countersinks, Cast Steel, Black, Rosehead, for Brass, 9/-	, ,

Sizes stocked are :—Small, $\frac{7}{16}$ full ; Mid, $\frac{9}{16}$ bare ; Large, $\frac{5}{8}$ full.

No.	Per
1075—Rinders, Cast Steel, Black, Square, ...	9/- doz.
1076—Rinders, Cast Steel, Black, Half Round, ...	9/- ,

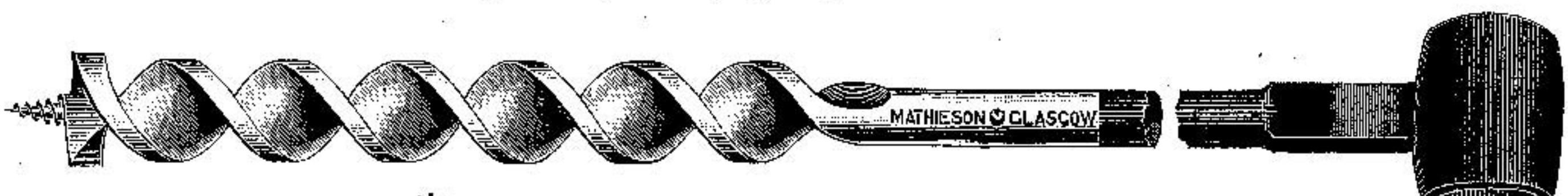


No. 1079—Turnscrew.

No.	Per
1079—Turnscrew Bits, Cast Steel, Black, Plain, ...	7/3 doz.
1080—Turnscrew Bits, Cast Steel, Black, Forked End, 9/-	, ,

ALEX. MATHIESON & SONS, LIMITED**DOUBLE TWIST BRIGHT SCREW AUGERS (Scotch Pattern).**

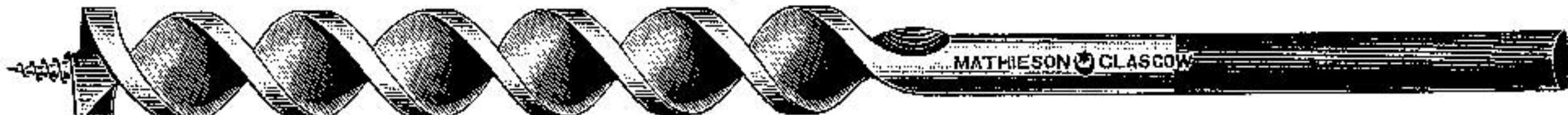
With Long Shanks, and Eyed, Single or Double Thread Points.



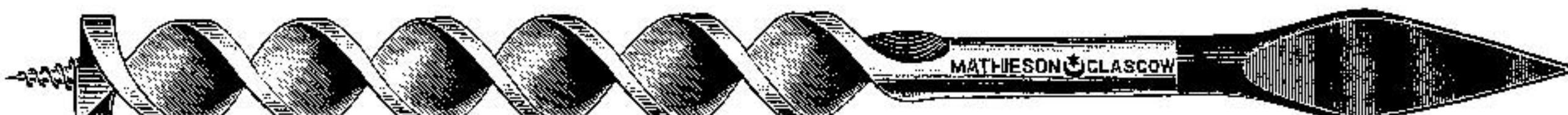
No. 1120— $\frac{1}{4}$ 10/- 3/8 7/16 1/2 9/16 5/8 11/16 3/4 13/16 7/8 1 11/8 14/11 13/8 11/2 15/8 13/4 17/8 2 1/2 inch.
23/- 23/- 23/- 23/- 23/- 26/- 26/- 31/6 31/6 34/6 34/6 39/- 43/6 50/- 53/6 60/- 64/- 72/- 77/- 85/- per doz.

Large Sizes (above 2 inches), with Long Shanks, and Eyed.

No. 1120,	2 $\frac{1}{2}$ 18/9	2 $\frac{1}{4}$ 20/-	2 $\frac{3}{8}$ 21/9	2 $\frac{1}{2}$ 23/3	2 $\frac{5}{8}$ 25/-	2 $\frac{1}{4}$ 27/-	2 $\frac{7}{8}$ 29/3	3 inch. 31/3 each.
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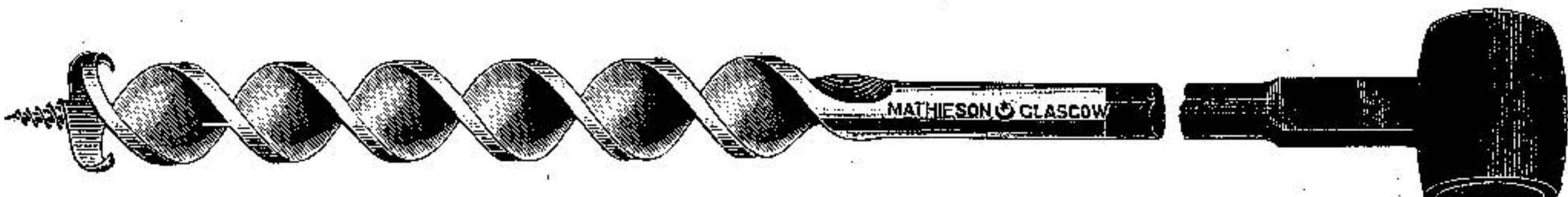
DOUBLE TWIST BRIGHT SCREW AUGERS (Scotch Pattern).With Short Shanks, not Eyed, Single or Double Thread Points.

No. 1121.

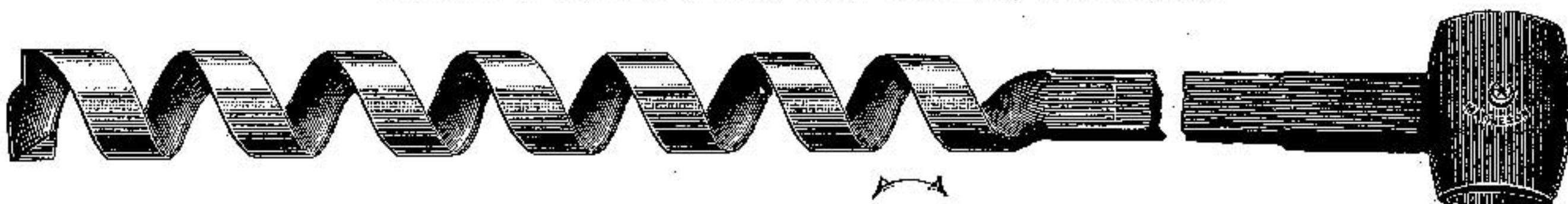


No. 1122.

No. 1121—Short Shank, } $\frac{1}{4}$ 10/- 3/8 7/16 1/2 9/16 5/8 11/16 3/4 13/16 7/8 1 11/8 14/11 13/8 11/2 15/8 13/4 17/8 2 inch.
No. 1122—Tanged, } 19/- 19/- 19/- 19/- 19/- 21/6 21/6 25/6 25/6 28/6 28/6 32/- 36/- 41/- 45/- 51/- 56/- 62/6 66/- 71/- per doz.

DOUBLE TWIST BRIGHT SCREW AUGERS, with Concave Mouth.

No. 1123—PRICES SAME AS No. 1120.

Sizes $\frac{3}{4}$ in. to $1\frac{1}{2}$ in.**IMPROVED SINGLE TWIST SHIP AUGERS, Shell Mouth.**

No.	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{5}{8}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	inch.
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1125—9 inch Twist, Short Shanks, not Eyed, 55/9 57/9 64/- 74/3 82/6 88/9 101/- 109/3 117/6 127/9 138/3 150/6 160/9 173/3 per doz.
1126—9 inch Twist, Long Shanks, Eyed, ... 61/9 64/- 70/- 82/6 90/9 97/- 111/6 119/9 127/9 138/3 148/6 163/- 175/3 189/9 ..
1127—12 inch Twist, Short Shanks, not Eyed, 66/- 70/- 76/3 88/9 99/- 107/3 121/9 132/- 142/3 154/9 167/- 181/6 194/- 210/6 ..
1128—12 inch Twist, Long Shanks, Eyed, ... 72/- 76/6 82/6 97/- 107/3 115/6 132/- 142/3 152/9 167/- 177/3 194/- 208/6 226/9 ..

DOUBLE TWIST BRIGHT SCREW AUGER BITS, Scotch Pattern.



No.	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{7}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{8}$	$1\frac{1}{2}$ inch.
1130—Usual Length,	18/-	18/-	18/-	18/-	18/-	20/-	22/-	24/-	24/-	27/-	27/-	30/-	36/-	42/-	48/-	54/- per doz.
1131—Extra Long, 12 $\frac{1}{4}$ inch overall,	22/-	22/-	22/-	22/-	24/-	26/-	28/-	28/-	31/-	31/-	34/-	—	—	—	—	"
1132—Extra Long, 14 inch overall,	—	—	24/-	24/-	24/-	26/-	23/-	30/-	30/-	—	—	—	—	—	—	"
1130—Screw Bits, Usual Length, Small Diameter, $\frac{5}{16}$ inch,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27/- "

DOUBLE TWIST BRIGHT SCREW AUGER BITS, Concave Mouth or Gedge's Pattern.

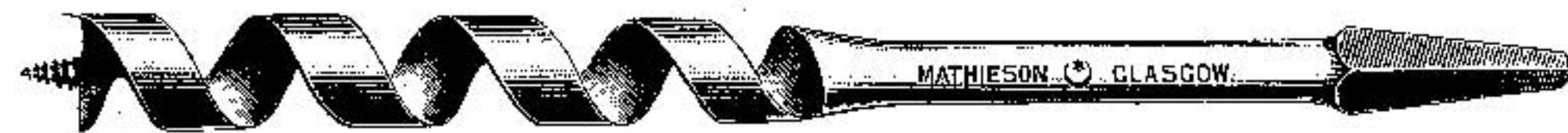


No. 1133,	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{7}{8}$	$\frac{11}{16}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{8}$	$1\frac{1}{2}$ inch.	
1133—	18/-	18/-	18/-	18/-	18/-	20/-	22/-	24/-	27/-	30/-	34/-	38/-	43/-	48/-	per doz.

DOUBLE TWIST BRIGHT SCREW AUGER BITS, Double Spur or Jenning's Pattern.



No. 1134,	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{7}{8}$	$\frac{11}{16}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{8}$	$1\frac{1}{2}$ inch.	
1134—	19/-	19/-	19/-	19/-	19/-	21/-	23/-	26/-	29/-	32/-	45/-	48/-	60/-	69/-	per doz.

SINGLE TWIST BRIGHT SCREW AUGER BITS, Improved, with Cutter.

No. 1135,	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{7}{8}$	$\frac{11}{16}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{8}$	$1\frac{1}{2}$ inch.	
1135—	40/3	40/3	40/3	44/9	48/-	50/9	53/6	64/9	80/6	87/6	per doz.	—	—	—	—

No. 1136—With Bright Edges,	$\frac{5}{16}$	$\frac{11}{16}$	$\frac{1}{2}$	$\frac{13}{16}$	$\frac{3}{8}$	$\frac{17}{16}$	$\frac{7}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{8}$	$1\frac{1}{2}$ inch.	
1136—With Bright Edges,	20/-	21/-	22/-	23/-	24/-	27/-	27/-	30/-	30/-	33/-	46/6	51/-	60/-	68/-	per doz.

No. 1137—All Bright,	$\frac{5}{16}$	$\frac{11}{16}$	$\frac{1}{2}$	$\frac{13}{16}$	$\frac{3}{8}$	$\frac{17}{16}$	$\frac{7}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{8}$	$1\frac{1}{2}$ inch.	
1137—All Bright,	23/-	24/-	25/-	26/-	27/-	30/-	30/-	33/-	33/-	36/-	54/6	60/-	70/-	80/-	"

BRIGHT SCREW AUGER DOWLING BITS.



No. 1138—Dowling Screw Auger Bit, Scotch Pattern.



No. 1139—Dowling Screw Auger Bit, Concave Mouth.



No. 1140—Dowling Screw Auger Bit, Double Spur.

No. 1138—Scotch Pattern,	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{7}{8}$	$\frac{11}{16}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{8}$	$1\frac{1}{2}$ inch.
1138—Scotch Pattern,	18/-	18/-	18/-	18/-	18/-	20/-	22/-	24/-	27/-	30/-	20/-	22/-	24/-	per doz.
1139—With Concave Mouth,	18/-	18/-	18/-	18/-	18/-	18/-	18/-	18/-	18/-	20/-	20/-	22/-	24/-	"
1140—With Double Spur,	19/-	19/-	19/-	19/-	19/-	19/-	19/-	19/-	19/-	21/-	21/-	23/-	26/-	"

MACHINE BITS and EXPANSIVE BITS.**MACHINE BITS.**

Machine Screw Dowling Bit.

No.			With Polished Shanks, Not Turned.	31/-	With Polished Shanks, Turned.			
					39/3 dozen.	39/3	39/3	39/3
1142	Machine Screw Dowling Bits, Double Spur, or Jenning's Pattern, with Round Parallel Shanks, $\frac{3}{8}$ in. dia. $\times 1\frac{1}{8}$ in. long $\times 3\frac{3}{4}$ in. overall, to bore $\frac{3}{8}$ in. diameter,	....	....	....	....	....	....	....
1142A	Machine Screw Dowling Bits, Double Spur, or Jenning's Pattern, with Round Parallel Shanks, $\frac{1}{2}$ in. dia. $\times 1\frac{1}{8}$ in. long $\times 3\frac{3}{4}$ in. overall, to bore $\frac{3}{8}$ in. diameter,	....	....	....	....	....	....	....
1142B	Machine Screw Dowling Bits, Double Spur, or Jenning's Pattern, with Round Parallel Shanks, $\frac{1}{2}$ in. dia. $\times 2\frac{1}{2}$ in. long $\times 5\frac{1}{4}$ in. overall.	With Polished Shanks, Not Turned,	36/-	36/-	36/-	36/-	36/-	36/-
		With Polished Shanks, Turned,	44/6	44/6	44/6	44/6	44/6	44/6

$\frac{1}{2} \text{ in.} \times \frac{3}{8} \text{ in.} \times \frac{7}{16} \text{ in.} \times \frac{1}{2} \text{ in.}$ inch.

MACHINE SCREW BITS, Turned Tang, with Plain or Screw Points, Scotch Pattern, Concave Mouth, or Double Spur.

No. 69A—Concave Mouth.

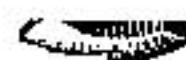


No. 69—Scotch Pattern, Plain.



No. 69B—Double Spur.

Made to Order. Prices on application.



No. 1101—Expansive Bit.

No. 1101 EXPANSIVE BIT.

$\frac{1}{2}$ in. to $1\frac{1}{8}$ in., Complete with Two Cutters ($\frac{1}{2}$ in. to $\frac{3}{8}$ in. and $\frac{7}{8}$ in. to $1\frac{1}{2}$ in.), 7/8 each.
 $\frac{7}{8}$ in. to 3 in., Complete with Two Cutters ($\frac{7}{8}$ in. to $1\frac{1}{8}$ in. and $1\frac{1}{2}$ in. to 3 in.), 11/1 ,.

SPARE PARTS.

No. 1102—Cutter,



No. 1103—Screw,



No. 1104—Cap,

No. 1102—CUTTERS.

No. 1.	No. 2.	No. 3.	No. 4.	No. 5.	No. 6.	No. 7.
$\frac{1}{2}$ to $\frac{7}{8}$	$\frac{7}{8}$ to $1\frac{1}{8}$	$\frac{7}{8}$ to $1\frac{1}{4}$	$1\frac{1}{4}$ to 3	3 to 4	4 to 5	5 to 6 in.

14/8 18/3 25/3 28/9 43/3 57/6 For $\frac{1}{2}$ to $1\frac{1}{2}$ in. to 3 in. Bits.

No. 1103—Screws, 1/- 1/1 per doz.

No. 1104—Caps, 8/8 10/8 ,.

ADZES and HAMMERS.

ADZES.



No. 1181.
Best C.S., Blued.



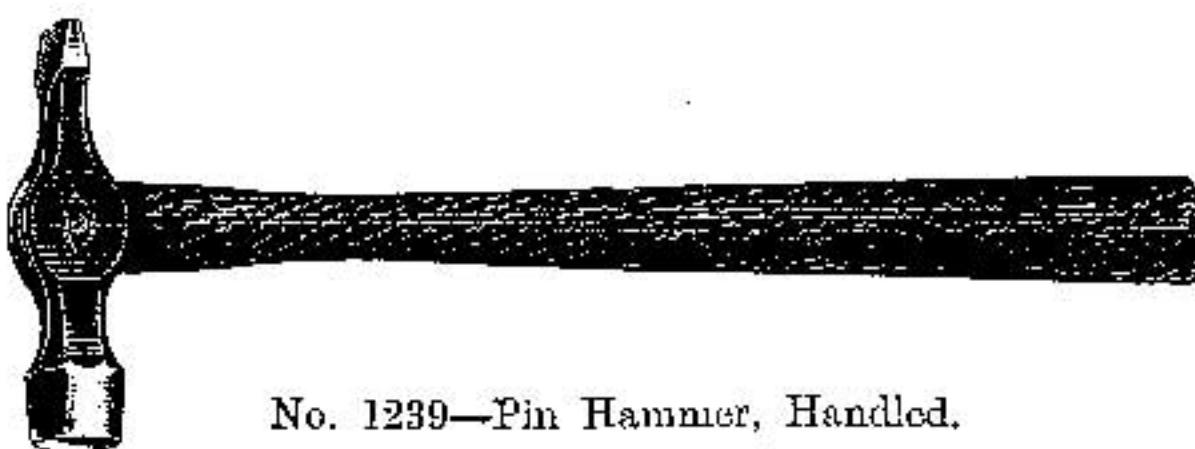
No. 1183.
Ship Carpenters', C.S.



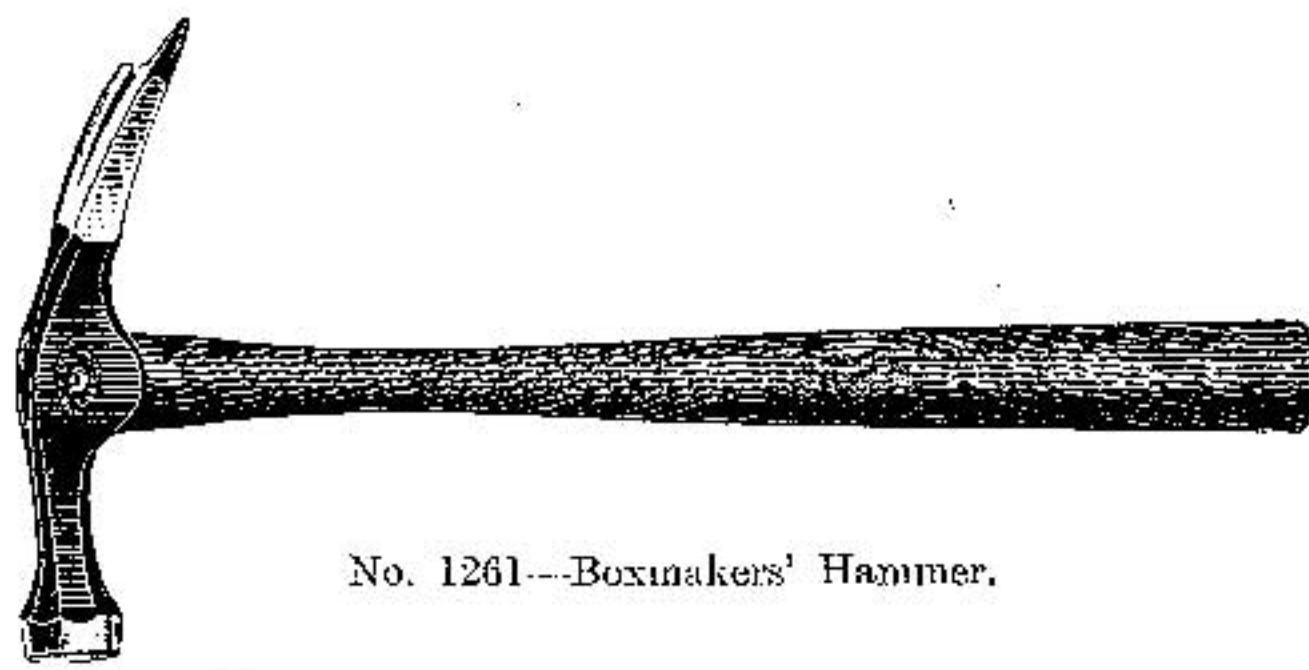
No. 1184.
Wheelers', C.S.

No.										No. 1	2	3
1181—Joiners', C.S. Adzes, Best, Blued,	....	....	....	....	....	....	....	....	....	91/8	96/9	105/6 per doz.
1183—Ship Adzes, Best, Blued, ....	....	....	....	....	....	....	....	....	....	90/-	97/6	106/6 ,
1184—Wheelers' Adzes, Best Cast Steel, Blued or Bronzed,	....	....	....	....	....	....	....	....	....	99/6	109/9	120/- ,

HAMMERS.



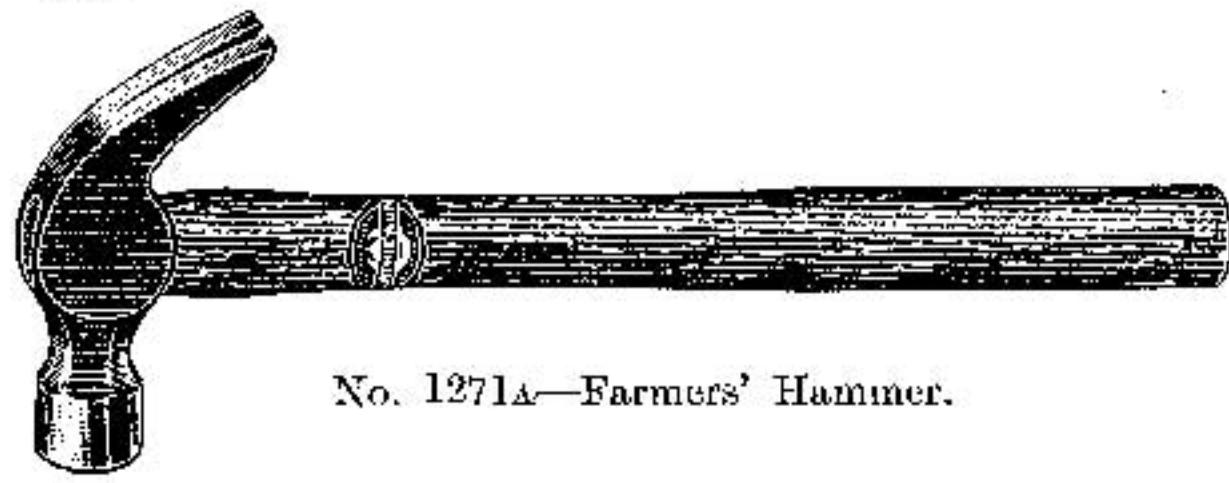
No. 1239—Pin Hammer, Handled.



No. 1261—Boxmakers' Hammer.



No. 1259—Joiners' Mash Hammer.



No. 1271A—Farmers' Hammer.

PIN OR WARRINGTON HAMMERS.

No.	Size No.	Weight of Heads												Weight, 2 to 3 lb.	Weight, 3½ lb. and up.		
		000	00	0	1	2	3	4	5	6	7	8	9				
1239—With Best Polished Ash Handles,	13/6	13/6	13/6	13/6	14/3	15/-	16/2	18/-	21/-	25/2	29/3	32/3	38/3	per doz.		
1259—Joiners' Mash or Framing Hammers, Solid Cast Steel, Best Quality,	2/-	1/10½ per lb.		
1260—Boxmakers' Hammers, with Dabber,	12	14	16	18 ozs.
1261—Boxmakers' Hammers, with Dabber, Handled,	99/9	99/9	99/9	102/6 per doz.
1271A—Farmers' Hammers, Polished Oval Ash Handles,	111/-	111/-	111/-	113/9 ,
Size No.		0000	000	00	1	2	3	4	5	6	7	8	9	10			
Weight of Heads,		5	8	12	14	16	20	24	28	32	36	40	44	48			
1271A—Farmers' Hammers, Polished Oval Ash Handles,		18/-	19/3	20/3	23/3	26/3	30/-	36/-	50/3	60/-	66/-	72/-	78/-	84/-			

LIGHT EDGE TOOLS.



No. 1300—Firmer Chisel, Unhandled.



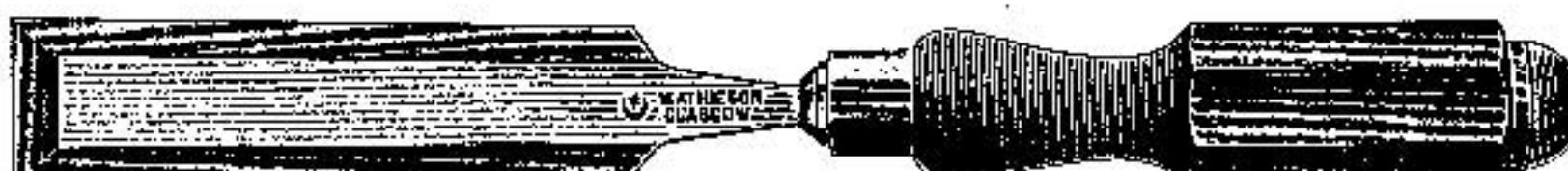
No. 1304—Firmer Chisel, Bevelled Edges.



No. 1302—Firmer Chisel, Handled, No. 3 Handle.



No. 1302c—Firmer Chisel, Handled, No. 2 Handle.



No. 1305e—Firmer Chisel, Bevelled Edges, No. 4 Handle.

CAST STEEL FIRMER CHISELS.

No.	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	inch.
1300—Chisels, Ordinary, Unhandled,	4/3	4/6	4/9	5/3	5/6	6/-	6/6	7/6	8/6	10/-	11/-	12/-	13/6	15/-	16/6	18/-	20/-	per doz.				
1302—Chisels, Ordinary, Handled, No. 3 Beech Handles,	6/9	7/-	7/3	7/9	8/-	8/6	9/-	10/-	11/-	12/9	13/9	15/-	16/6	18/6	20/-	21/6	23/6	,,				
1302c—Chisels, Ordinary, Handled, No. 2 Boxwood Handles,	8/6	8/9	9/-	9/6	9/9	10/3	10/9	12/-	13/-	15/-	16/-	17/-	18/6	—	22/-	—	25/6	,,				
1302e—Chisels, Ordinary, Handled, No. 4 Boxwood Handles,	9/6	9/9	10/-	10/6	10/9	11/3	11/9	13/-	14/-	16/-	17/-	18/6	20/-	—	23/6	—	27/-	,,				
1304—Chisels, Bevelled Edges, Unhandled,	8/3	8/6	8/9	9/3	9/6	10/-	10/6	11/6	12/6	16/-	17/-	18/-	19/6	23/-	24/6	26/-	28/-	,,				
1305—Chisels, Bevelled Edges, Handled, No. 3 Beech Handles,	10/9	11/-	11/3	11/9	12/-	12/6	13/-	14/-	15/-	18/9	19/9	21/-	22/6	26/6	28/-	29/6	31/6	,,				
1305c—Chisels, Bevelled Edges, Handled, No. 2 Box- wood Handles,	12/6	12/9	13/-	13/6	13/9	14/3	14/9	16/-	17/-	21/-	22/-	23/-	24/6	—	30/-	—	33/6	,,				
1305e—Chisels, Bevelled Edges, Handled, No. 4 Box- wood Handles,	13/6	13/9	14/-	14/6	14/9	15/3	15/9	17/-	18/-	22/-	23/-	24/6	26/-	—	31/6	—	35/-	,,				



No. 1311—Firmer Gouge, Outcannelled.



No. 1315—Firmer Gouge, Incannelled.

CAST STEEL FIRMER GOUGES.

No.	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	inch.
1311—Gouges, Firmer, A to E Sweep, Unhandled,	5/3	5/6	5/9	6/3	6/6	7/-	7/9	8/9	9/9	11/6	13/-	14/-	16/-	per doz.								
1313—Gouges, Firmer, A to E Sweep, Handled, No. 3 Beech Handles,	7/9	8/-	8/3	8/9	9/-	9/6	10/3	11/3	12/3	14/3	15/9	17/-	19/-	,,								
1315—Gouges, Firmer, Incanneled, A to E Sweep, Unhandled,	5/6	5/9	6/-	6/6	6/9	7/3	8/-	9/-	10/-	12/-	13/6	14/6	16/6	,,								
1317—Gouges, Firmer, Incanneled, A to E Sweep, Handled, No. 3 Beech Handles,	8/-	8/3	8/6	9/-	9/3	9/9	10/6	11/6	12/6	14/9	16/3	17/6	19/6	,,								



No. 1321—Ship or Registered Chisel.

CAST STEEL STRONG SHIP or REGISTERED CHISELS.

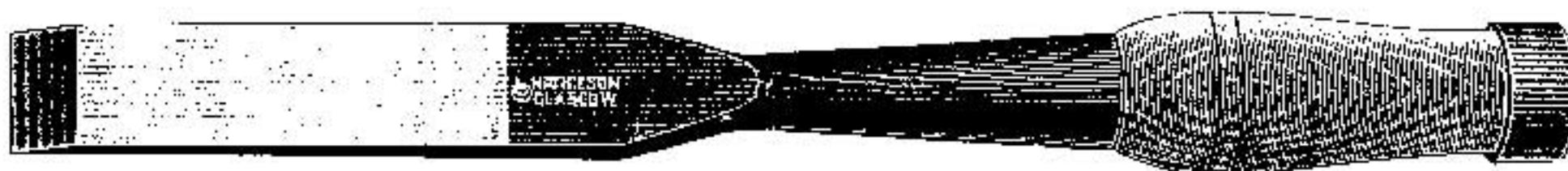
No.	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	inch.
1321—Ash Handled, with 2 Bright Iron Ferrules, Square Bolster,	12/-	12/-	12/3	12/6	13/3	14/6	15/9	18/9	19/9	20/9	22/-	23/3	25/3	27/3	28/9	30/3	per doz.					
1321½—do. Round Bolster,	12/-	12/-	12/3	12/6	13/3	14/6	15/9	18/9	19/9	20/9	22/-	23/3	25/3	27/3	28/9	30/3	,					

LIGHT EDGE TOOLS—*Continued.*

No. 1323—Long Thin Paring Chisel.

CAST STEEL LONG THIN PARING CHISELS AND GOUGES.

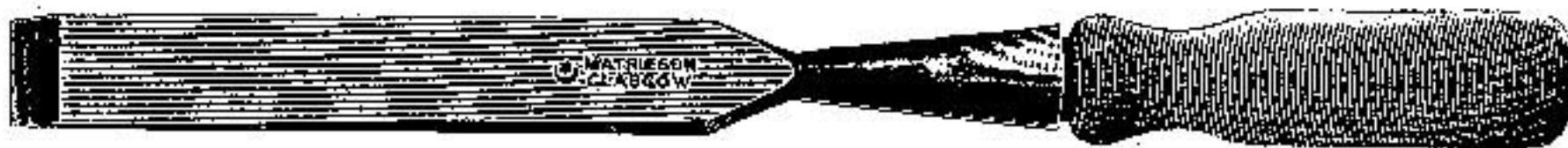
No.		$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	$2\frac{1}{8}$	inch.
1323	Chisels, Long Thin Paring,	7/6	7/9	8/6	9/6	10/9	11/6	14/-	16/-	19/-	20/6	23/-	25/-	27/-	30/6	33/6	per doz.	
1325	Chisels, Bevelled Edge, Long Thin Paring,	13/6	13/9	14/6	15/6	16/9	17/6	20/-	25/-	28/-	29/6	32/-	37/-	39/-	42/6	45/6	„	
1327	Gouges, Camed inside, A to E Sweep, Long Thin Paring,	12/6	12/9	13/6	14/6	15/9	16/6	19/-	22/-	25/-	26/6	29/-	33/-	35/-	38/6	41/6	„	
	Extra—If Handled, with No. 3 Beech Handles,	To	1												Above 1½ inch.			
			2/6												3/6	per doz.		



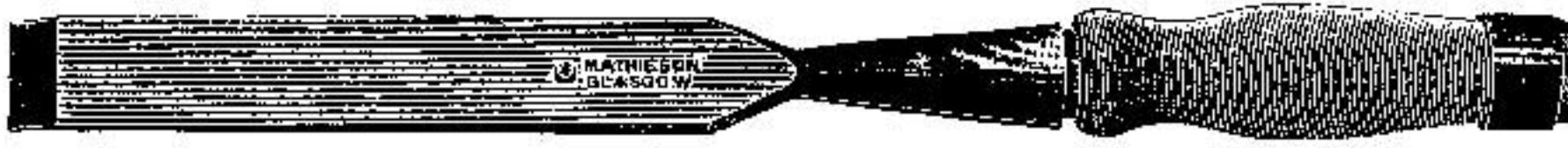
No. 1341—Handled Socket Chisel.

CAST STEEL SOCKET CHISELS.

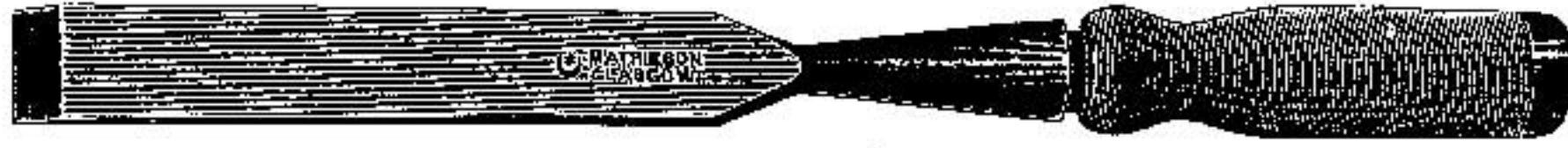
No.	To	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	$2\frac{1}{8}$	inch.
1340	Socket Chisels,	12/3	13/-	14/-	15/-	16/6	18/3	20/-	21/3	22/9	24/6	26/6	28/6	30/6	33/6	36/6	per doz.	
1341	Socket Chisels, with Polished Beech Handles, Hooped,	15/9	16/6	17/6	18/6	20/-	22/-	23/9	25/3	26/9	29/-	31/-	33/-	35/-	38/-	„		



No. 500—Socket Firmer Chisel.



No. 501—Socket Firmer Chisel.



No. 502—Socket Firmer Chisel.



No. 505—Socket Firmer Chisel.



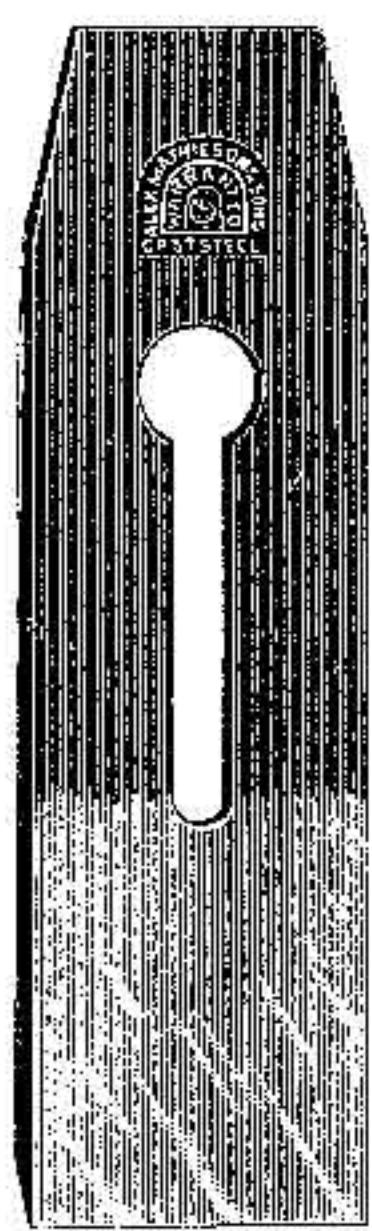
No. 601—Socket Firmer Chisel.

CAST STEEL SOCKET FIRMER CHISELS.

No.		$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	inch
500	Light Socket Firmer Chisels, Bright, Ash Handles, Unhooped,	12/6	13/-	13/6	14/6	15/6	17/-	18/6	20/-	21/-	24/-	27/-	30/-	doz.				
501	Light Socket Firmer Chisels, Bright, Ash Handles, Hooped,	14/-	14/6	15/6	16/6	17/6	19/-	20/6	22/-	23/6	26/6	30/6	34/-	„				
502	Light Socket Firmer Chisels, Bright, Ash Handles, Leather Tipped, 14/-	14/6	15/6	16/6	17/6	19/-	20/6	22/-	23/6	26/6	30/6	34/-	„					
503	Light Socket Firmer Chisels, Bevelled Edge, Ash Handles, Unhooped	15/6	16/-	16/6	17/6	18/6	20/-	21/6	23/-	24/6	28/-	32/-	36/-	„				
504	Light Socket Firmer Chisels, Bevelled Edge, Ash Handles, Hooped, 17/-	17/6	18/6	19/6	20/6	22/-	23/6	25/-	27/-	30/6	35/6	40/-	„					
505	Light Socket Firmer Chisels, Bevelled Edge, Ash Handles, Leather Tipped,	17/-	17/6	18/6	19/6	20/6	22/-	23/6	25/-	27/-	30/6	35/6	40/-	„				
601	Strong Socket Firmer Chisels, Blued, Ash Handles, Hooped,	14/6	14/6	15/6	16/9	18/6	19/-	20/-	22/-	22/6	24/-	25/6	27/-	„				
602	Strong Socket Firmer Chisels, Blued, Ash Handles, Leather Tipped	14/6	14/6	15/6	16/9	18/6	19/-	20/-	22/-	22/6	24/-	25/6	27/-	„				
701	Strong Socket Firmer Chisels, Bright, Ash Handles, Hooped,	18/6	19/-	20/-	21/-	22/6	24/-	25/6	27/-	28/6	32/-	36/6	42/-	„				
702	Strong Socket Firmer Chisels, Bright, Ash Handles, Leather Tipped	18/6	19/-	20/-	21/-	22/6	24/-	25/6	27/-	28/6	32/-	36/6	42/-	„				

LIGHT EDGE TOOLS—*Continued.*

No. 1370.
C.S. Uncut
Plane Iron.



No. 1371.
Cast Steel
Cut Plane Iron.



No. 1373.
Cast Steel
Double Plane Iron.



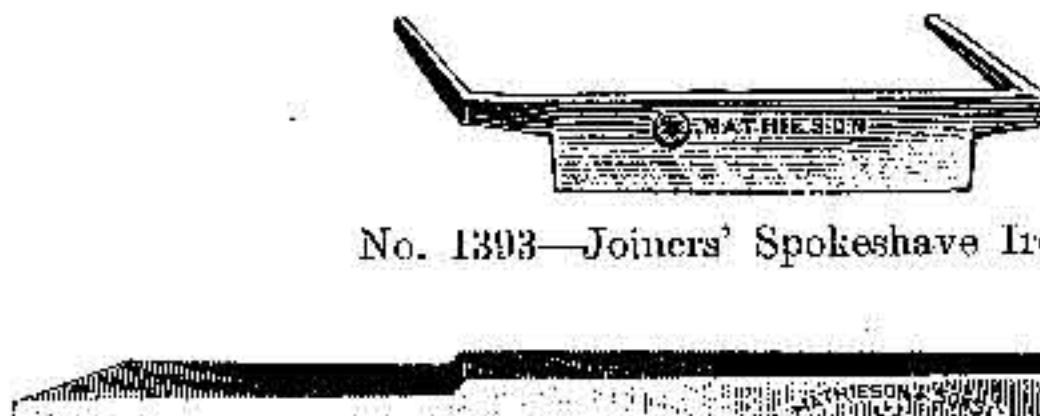
No. 1375—Top Iron.

CAST STEEL PLANE IRONS.

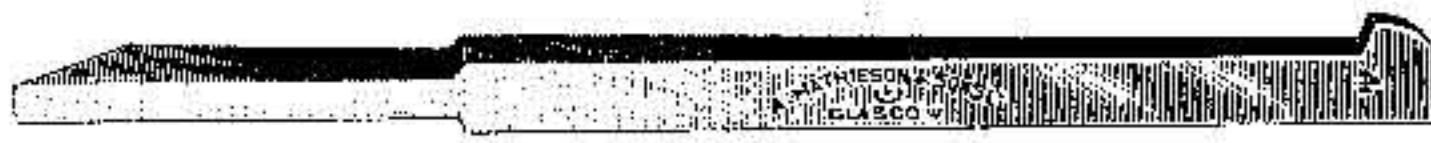
No.	To	1½	1¾	1½	1¾	1¾	1¾	2	2½	2½	2¾	2½	2¾	2¾	2¾	3	inch.
1370—C.S., Single Uncut,	....	8/-	8/-	8/-	8/-	8/3	9/-	9/6	10/-	11/6	12/9	13/6	15/3	17/-	18/6	21/6	per doz
1371—C.S., Single Cut,	...	8/6	8/6	8/6	8/6	8/9	9/6	10/-	10/6	12/-	13/3	14/-	15/9	17/6	19/-	22/-	,
1373—C.S., Double,	...	16/3	16/3	16/3	16/3	16/9	17/9	18/6	19/3	21/3	23/3	24/9	27/-	29/3	32/3	36/9	,
1375—Top Irons, with Screws,	6/3	6/3	6/3	6/3	6/3	6/6	[6/9	7/-	7/6	8/3	9/-	9/6	10/-	11/6	13/-	,	
1376—C.S., Single Cut, Parallel, 7 or 8 W.G., Black,	.... } 11/-	11/-	11/-	11/3	12/-	12/6	13/-	14/6	15/9	16/6	18/3	20/-	21/6	24/6	,		



No. 1390—Carpenters' Cast Steel Drawing Knife.



No. 1393—Joiners' Spokeshave Iron.



No. 1396—Cast Steel Plow Iron.

DRAWING KNIVES.

No.	To	8	9	10	11	12	13	14	inch.
1390—Carpenters' Best C.S. Drawing Knives, Handled, with Brass Caps and Ferrules,	28/6	30/-	32/-	35/-	38/-	41/6	45/6	per doz.	

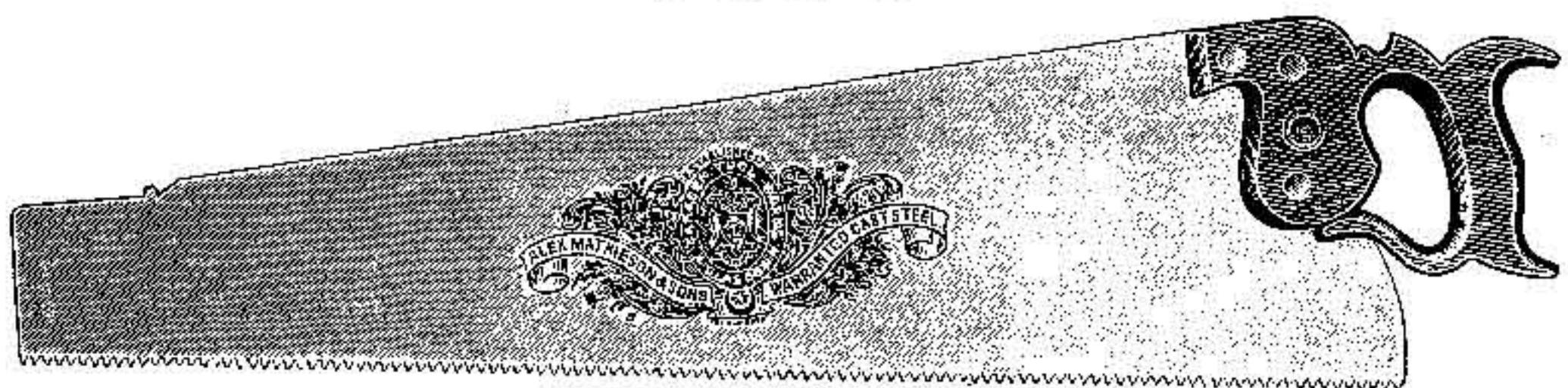
CAST STEEL SPOKESHAVE IRONS.

No.	To	2½	3	3½	4	4½	5	5½	6	inch.
1393—Joiners' Spokeshave Irons,	6/-	6/6	7/6	8/8	10/4	12/-	13/9	17/3	per doz.

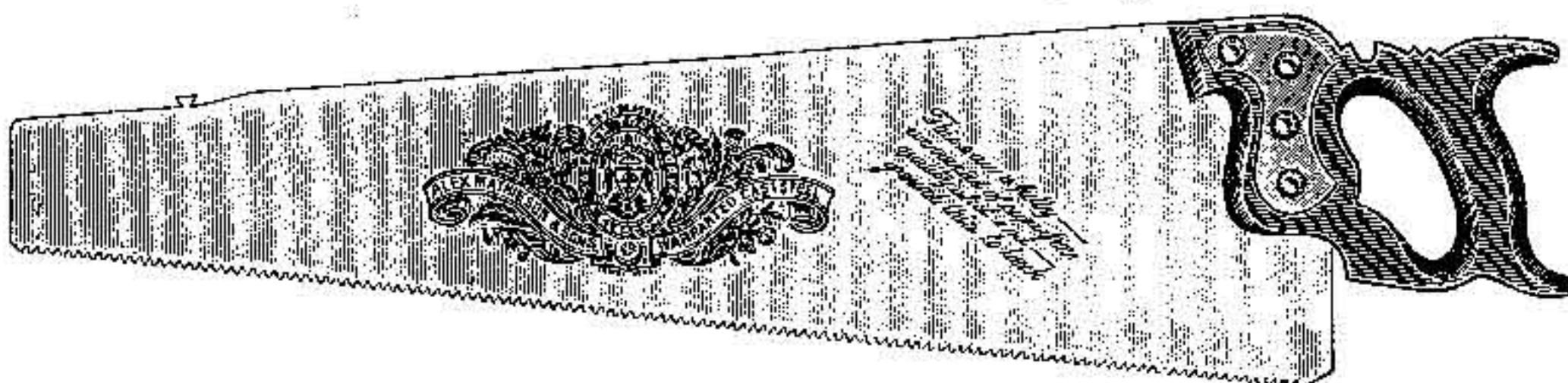
CAST STEEL PLOW IRONS.

No.	1 to 1½	2	3	4	5	6	7	8	1 inch.
1396—Bright Plow Irons,	14/4	16/3	19/9	24/3	29/9	per doz.			
1397—Bright Plow Irons, in Sets of 8, 1 to 1½ inch,	—	—	—	—	—	9/6	per set.		

SAWS.



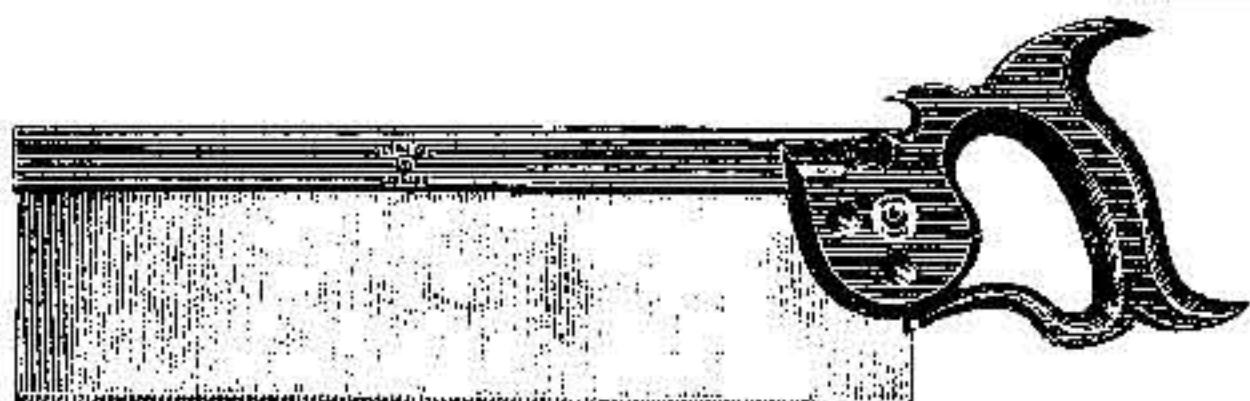
No. 1430—Cast Steel Hand Saw, Best Quality.



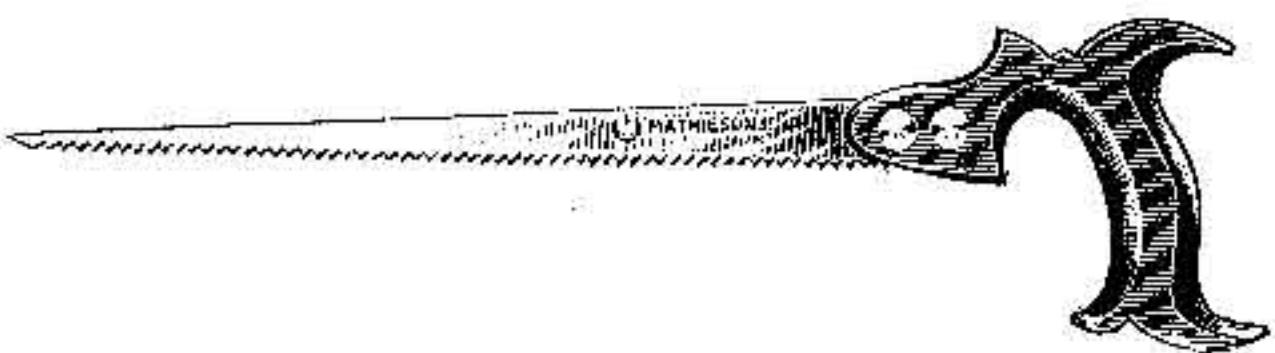
No. 1441—Hand Saw, Superior Finish, with Steel Plates, "New Angle" Handle, etc.

HAND, PANEL AND RIPPING SAWS.

No.		10	12	14	16	18	20	22	24	26	28	30	32	34	inch.
1430	—Cast Steel, Best Warranted,	35/9	43/8	53/6	61/3	68/9	74/-	81/6	91/9	94/6	102/-	109/9	125/-	150/6	per doz.
1430A	—Cast Steel, Best Warranted, Skew Back, Beech Handles,	—	—	—	—	—	96/-	102/-	108/-	112/6	120/-	—	—	—	"
1432A	—Cast Steel, Farmers' Hand Saw, Lightning Teeth,	—	—	—	—	—	—	—	55/6	61/6	—	—	—	—	"
1441	—Cast Steel, Best Warranted, Superior Finish, "New-Angle" Polished Handles, Steel Plates, Raised Screws on Handles.	—	—	—	—	—	—	82/6	90/-	106/6	109/6	118/6	126/-	150/-	190/6
	NOTE.—The Handle on this Saw is fixed at an angle that brings the cutting edge into contact with the work with a minimum expenditure of energy.	—	—	—	—	—	—	—	—	—	—	—	—	—	"
1456	—Cast Steel, Hand, Common Quality, "Century" Brand,	—	—	24/9	28/6	32/3	36/-	38/3	42/-	45/9	—	—	—	—	"
1456A	—Cast Steel, Hand, Common Quality, "No. 98" Brand, Skew Back,	—	—	—	—	—	—	31/6	34/-	36/9	39/9	—	—	—	"



No. 1437—Tenon, Brass Back.



No. 1448—Compass.

DOVETAIL, SASH, AND TENON SAWS.

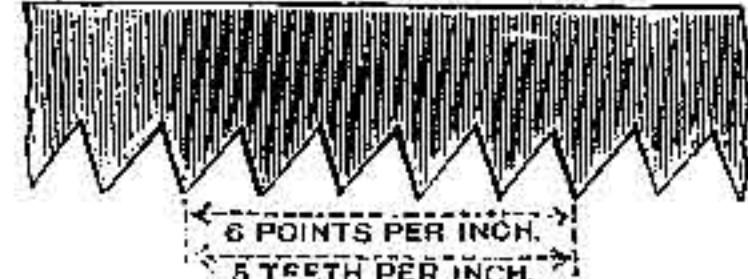
No.		8, 9 & 10	12	14	16	18	20	22 inch.
1436	—Cast Steel, Iron Backs, Blued, Best Warranted,	71/6	76/6	81/6	91/9	97/-	99/6	107/- per doz.
1437	—Cast Steel, Brass Backs, Best Warranted,	91/9	102/-	114/9	132/6	142/9	150/6	163/3 "
1459	"Century" Brand, Iron Back Saws, Unwarranted,	—	—	8	10	12	14	16 inch.

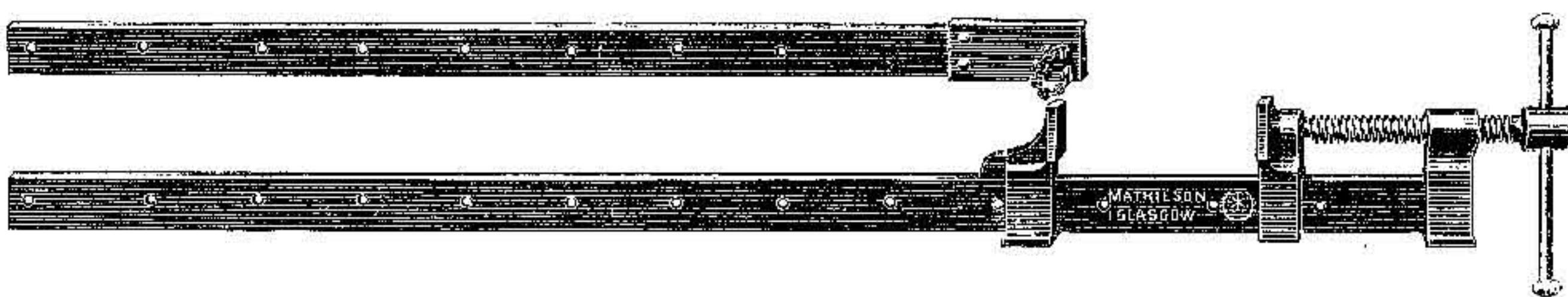
1459—"Century" Brand, Iron Back Saws, Unwarranted, 39/- 42/- 45/9 54/- 60/9 per doz.

COMPASS OR PORT SAWS.

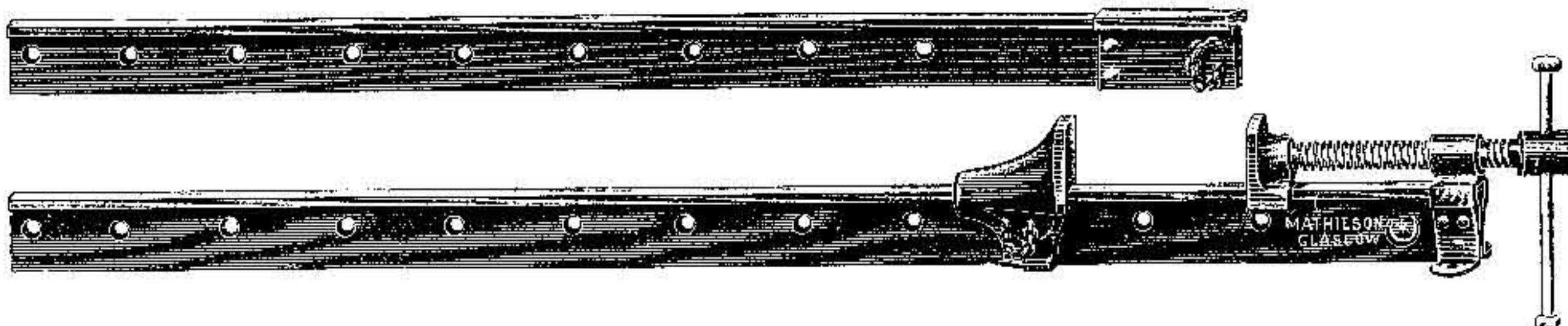
No.		10	12	14	16	18	20 inch.
1448	—Cast Steel,	25/6	26/9	28/-	30/6	33/3	35/9 per doz.

The drawing on the right shows the difference in reckoning POINTS per inch, and TEETH per inch.



CRAMPS.

No. 1501A—Joiners' Riveted Head Cramp, Black Finish, 2 in. $\times \frac{7}{16}$ in. Bar; and 1501B—Eke for Cramp No. 1501A.



No. 1507—Joiners' T Pattern Cramp; and 1508—Eke for T Pattern Cramp.

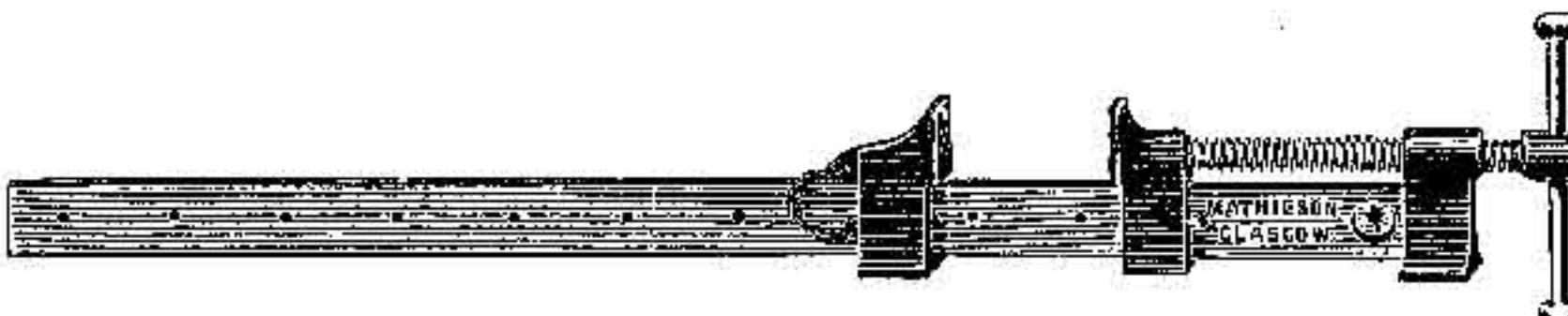
JOINERS' CRAMPS (with Riveted Head).

	Length Overall,	3	3½	4	4½	5	5½	6	6½	7	feet.
No. 1501A—Flat Bar, 2 in. $\times \frac{7}{16}$ in., Finished Black;	17/4	18/-	19/4	20/-	21/3	22/-	23/8	24/6	25/3	each.	
	Length of Eke,			2½	3	3½	4	4½	5	5½	feet.
No. 1501B—Ekes for No. 1501A Cramps,	9/-	10/3	11/-	11/10	13/6	14/3	15/-	each.			

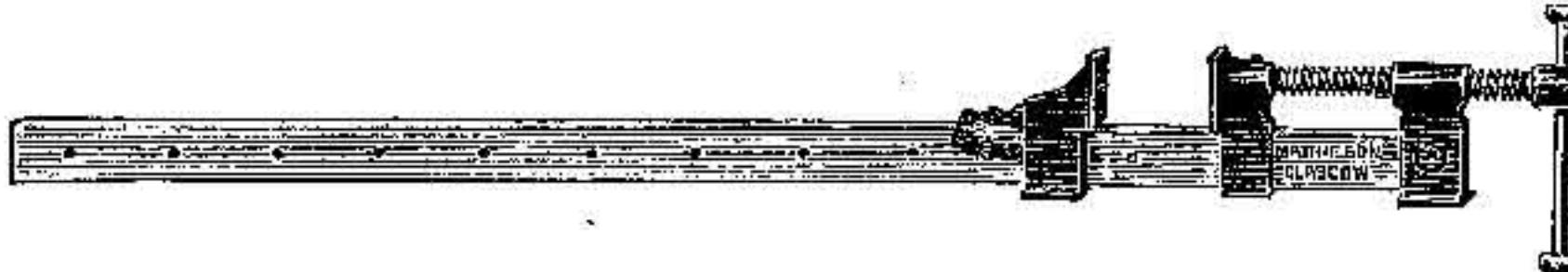
JOINERS' T PATTERN CRAMPS.

This Pattern is measured by Overall Lengths. They Clamp 6 inch less than their Length.

	Length Overall,	3½	4	4½	5	5½	6	feet.
No. 1507—T Pattern Cramps,	18/9	19/6	20/3	21/-	21/9	22/6	each.	
	To Lengthen Cramps,	2½	3	3½	4	4½	5	5½
No. 1508—T Pattern Cramp Ekes,	8/8	9/-	9/9	11/3	12/-	12/9	13/6	each.



No. 1506A—Sash Cramp, 1½ in. $\times \frac{5}{16}$ in., Riveted Head.



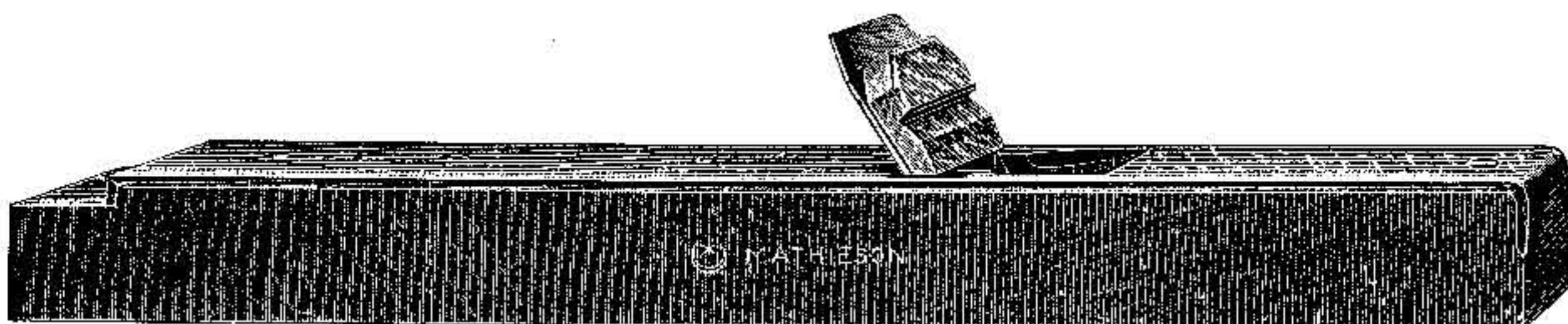
No. 1506B—Sash Cramp, 1½ in. $\times \frac{1}{4}$ in., Riveted Head.

SASH CRAMPS, Bright Bar (with Riveted Head).

	Length Overall,	24	27	30	33	36	42	48	inches.
No. 1506A—Bright Bar, 1½ in. broad $\times \frac{5}{16}$ in. thick,	9/9	10/6	10/9	11/6	11/9	12/9	14/8	each.	
No. 1506B—Bright Bar, 1½ in. broad $\times \frac{1}{4}$ in. thick,	8/8	9/-	9/4	9/9	10/2	10/4	11/4	each.	

NOTE.—All Cramps on this page take in about 6" less than overall length.

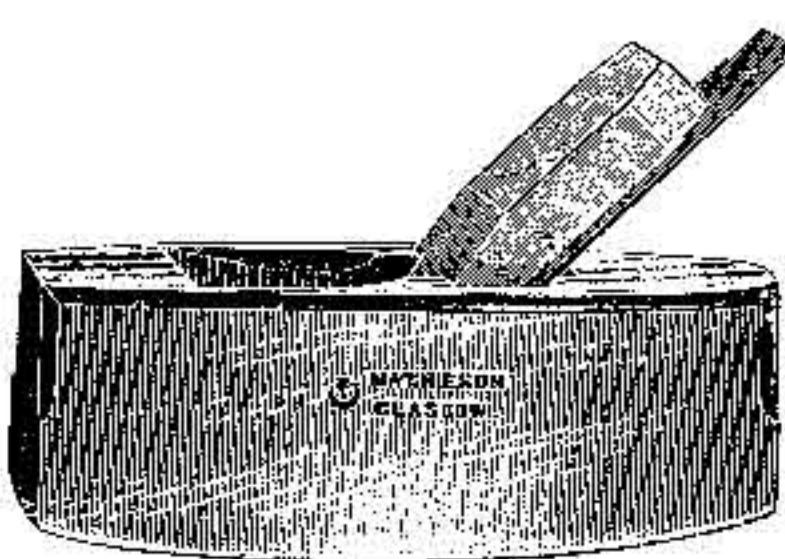
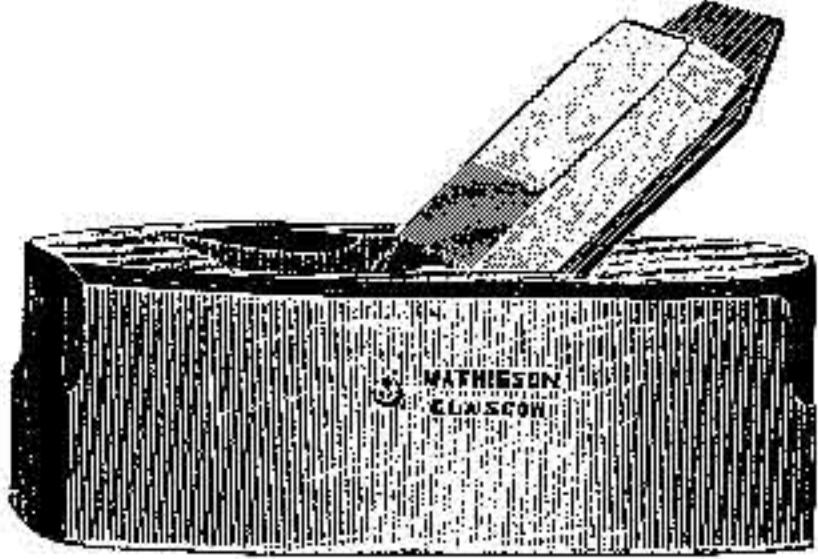
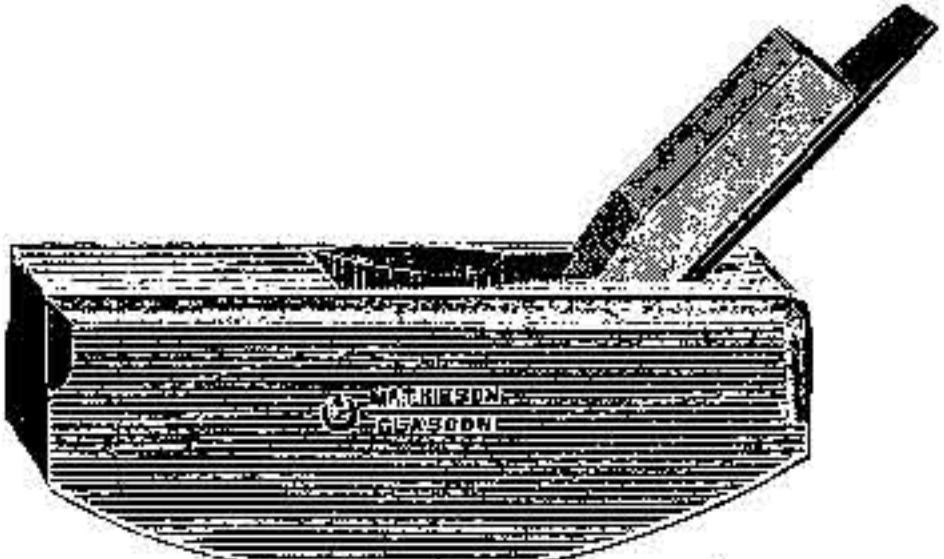
COOPERS' TOOLS.



No. R 1681—Jointer.

JOINTERS.

No.		To	4	4½	5	5½	6	feet.
R 1680—Jointers, Single Iron,	....	59/6	61/-	63/-	66/6	68/6	each.	
R 1681—Jointers, Double Iron,	....	66/6	68/6	70/-	73/9	75/6	,	
R 1682—Jointers, 2 Mortises and 2 Double Irons, 6 feet long,	....	—	—	—	—	—	108/-	,

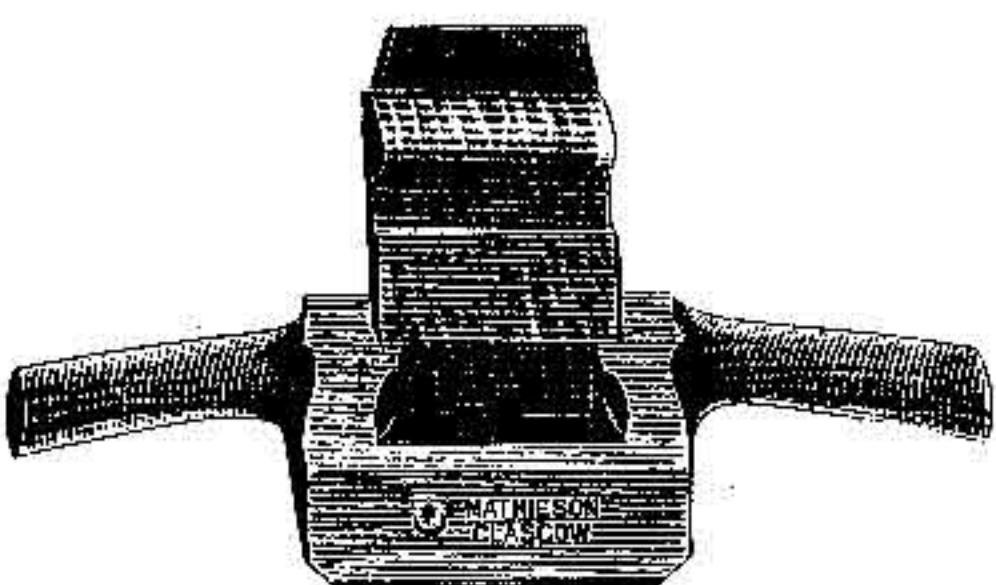
No. R 1684.
Round Both Ways, or Stoop Plane.No. R 1686.
Smoothing Plane, Round Across.No. R 1688.
Round Lengthways or Bowling Plane.

COOPERS' SMOOTHING PLANES.

No.								
R 1683—Stoop Plane, Round both ways,	....	2 in. Single Iron,	....	....	....	....	....	9/6 each.
R 1684—Stoop Plane, Round both ways,	....	2 in. Double Iron,	....	....	....	....	....	10/9 ,
R 1685—Smoothing Plane, Round across,	....	2 in. Single Iron,	....	....	....	....	....	9/6 ,
R 1686—Smoothing Plane, Round across,	....	2 in. Double Iron,	....	....	....	....	....	10/9 ,
R 1687—Bowling Plane, Round length ways,	....	2 in. Single Iron,	....	....	....	....	....	9/6 ,
R 1688—Bowling Plane, Round length ways,	....	2 in. Double Iron,	....	....	....	....	....	10/9 ,

For Smoothing Plane, Flat, Plain, or with Plated Steel Sole, see Page 1.

For Plane Irons, see Page 22.



No. R 1693—Head Plucker or Swift.

PLUCKERS

AND

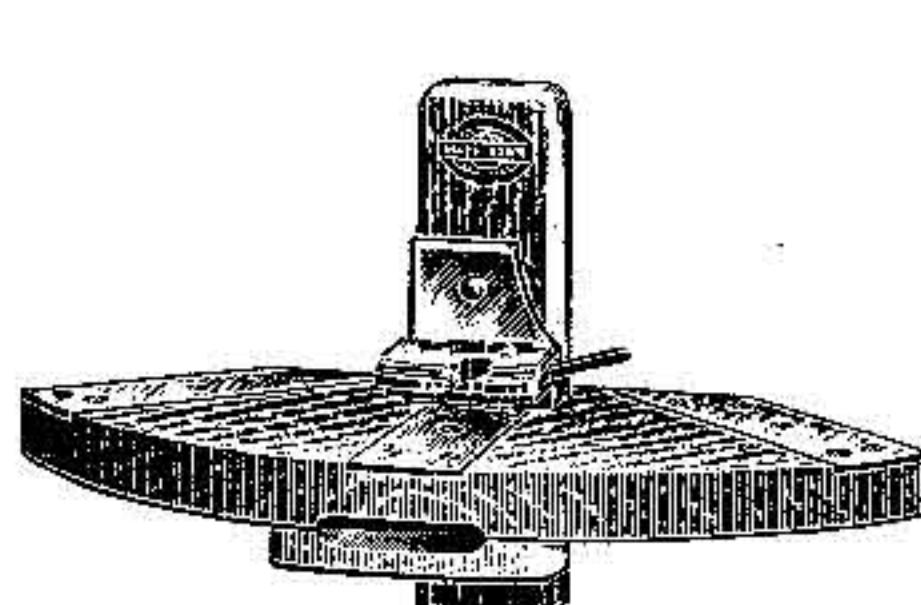
SPOKESHAVES.



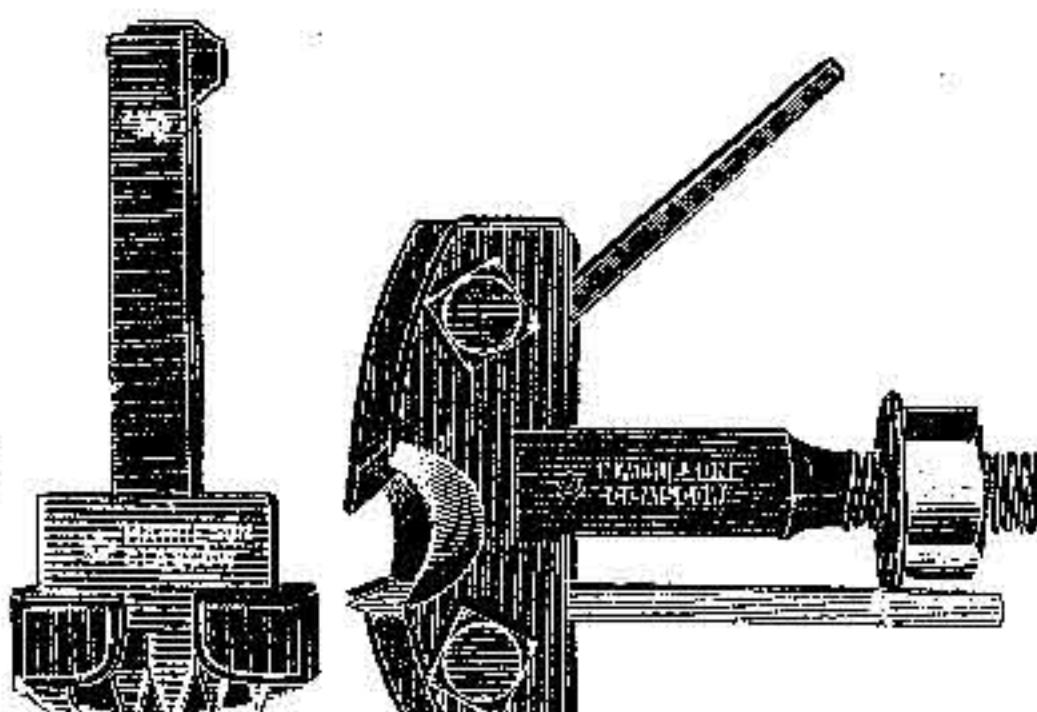
No. R 1702—Wood Spokeshave.

No.		2½	3	3½	4	4½	5	in. Iron.
R 1693—Head Plucker or Swift, Single Irons,	....	20/3	22/-	23/6	26/-	28/-	29/3	each.
R 1694—Head Plucker or Swift, Plated on Face, Single Irons,	....	28/6	28/-	30/6	32/6	35/6	37/-	each.
R 1702—Spokeshaves, Wood, with 4 in. Iron,	....	....	....	....	....	....	....	6/- each.

COOPERS' TOOLS—*Continued.*

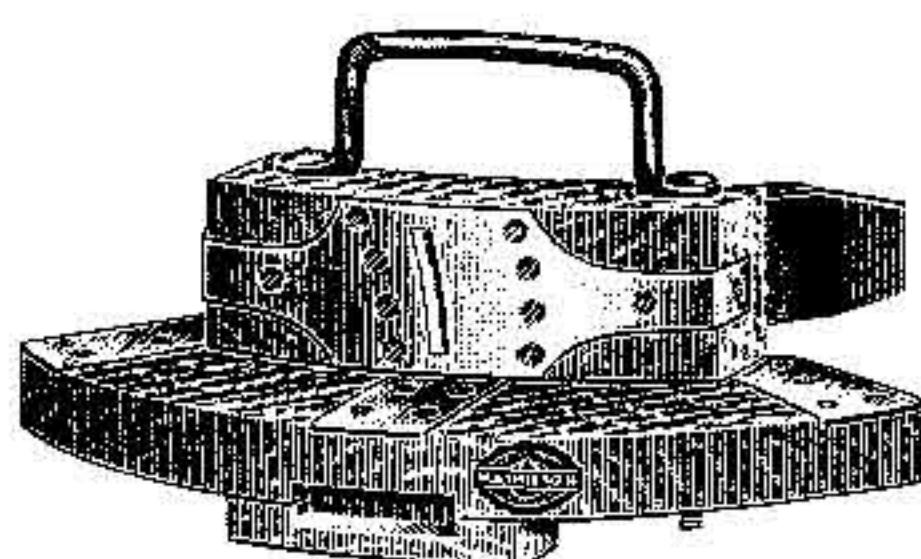


No. R 1700A--Cheve, Strong, Plated,
Liverpool Pattern.



No. R 1706—
Cross Iron.

No. R 1709—Patent Croze Iron,
with Shifting Cutter.



No. R 1708A—Croze Iron and Board,
Strong, Plated, Liverpool Pattern.

CHEVES, FLINCHERS, CROZE IRONS AND BOARDS.

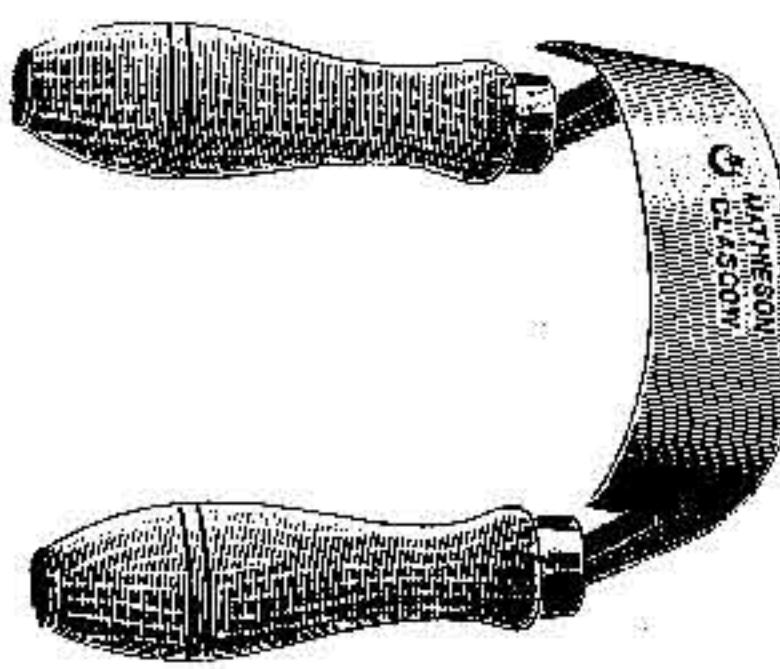
No

GROZE IRONS AND BOARDS.

	To	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	inch.
R 1705—Improved Croze Iron, Single, with Lifter,	5/6	6/-	6/6	6/9	7/-	7/6	each.	
R 1706—Improved Croze Iron, with Cover to $1\frac{1}{2}$ in. broad, Firkin,	—	—	—	—	—	9/-	"	
R 1706—Improved Croze Iron, with Cover to $1\frac{3}{4}$ in. broad, Half-Barrel,	—	—	—	—	—	9/9	"	
R 1706—Improved Croze Iron, with Cover to 2 in. broad, Barrel,	—	—	—	—	—	10/6	"	
R 1706—Improved Croze Iron, with Cover to $2\frac{1}{4}$ in. broad, Hogshead,	—	—	—	—	—	11/3	"	
R 1706—Improved Croze Iron, with Cover to $2\frac{1}{2}$ in. broad, Puncheon,	—	—	—	—	—	12/-	"	
R 1707—Improved Croze Iron and Board, without Cover, 10×4 in.,	—	—	—	—	—	13/6	"	
R 1708—Improved Croze Iron and Board, with Cover, $14 \times 4\frac{1}{2}$ in., Firkin,	—	—	—	—	—	17/6	"	
R 1708—Improved Croze Iron and Board, with Cover, $16 \times 5\frac{1}{2}$ in., Half-Barrel,	—	—	—	—	—	20/3	"	
R 1708—Improved Croze Iron and Board, with Cover, 20×7 in., Barrel,	—	—	—	—	—	23/-	"	
R 1708—Improved Croze Iron and Board, with Cover, 24×8 in., Hogshead,	—	—	—	—	—	25/9	"	
R 1708—Improved Croze Iron and Board, with Cover, 28×10 in., Puncheon,	—	—	—	—	—	28/4	"	
R 1708A—Croze Iron and Board, Strong, Plated, with $\frac{1}{2}$ " Patent Iron in Gunmetal—Liverpool Pattern—as illustrated, —	56/-	"						
R 1709—Patent Croze Iron, with Shifting Cutters and Lifter, to Cut $\frac{3}{16}$, $\frac{1}{4}$, or $\frac{5}{16}$ in.,	—	—	—	—	—	9/6	"	
R 1709A—Patent Croze Iron, with Shifting Cutters and Lifter, to Cut $\frac{3}{16}$, $\frac{1}{4}$, or $\frac{5}{16}$ in., Gunmetal,	—	—	—	—	—	23/-	"	



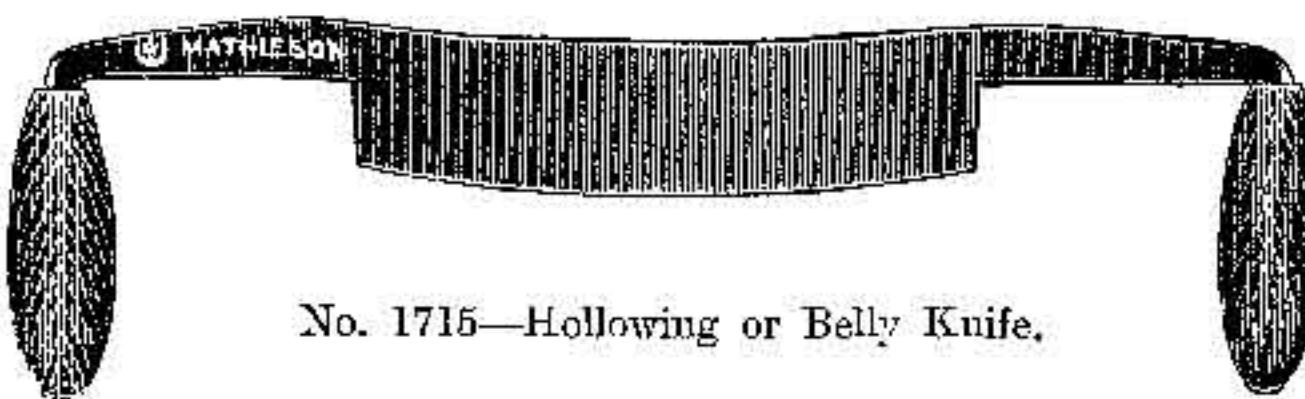
No. 1722—One-Hand Inshave.



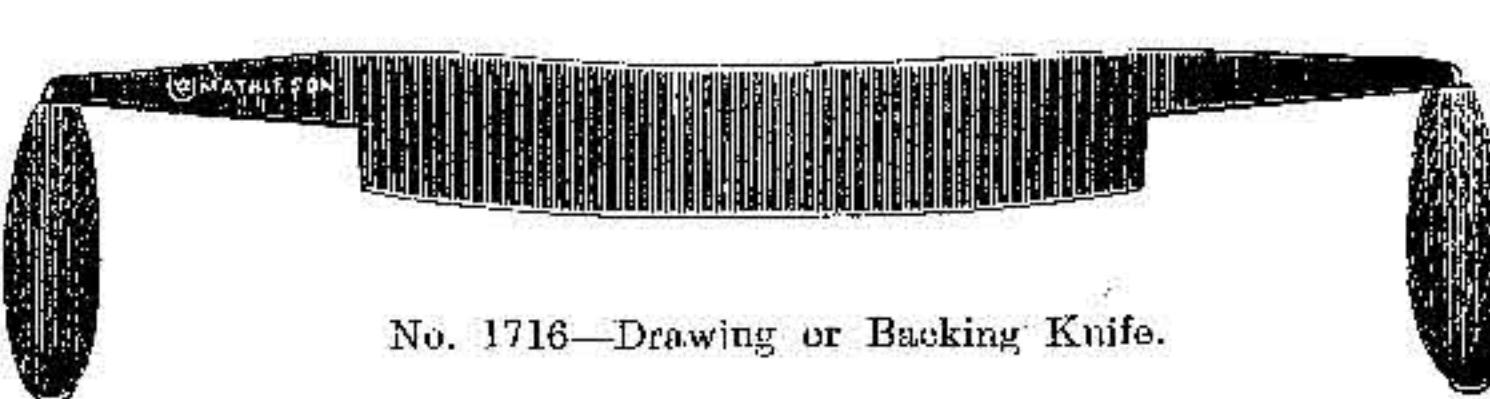
No. 1723—Two-Hand Inshave.

INSHAVES.

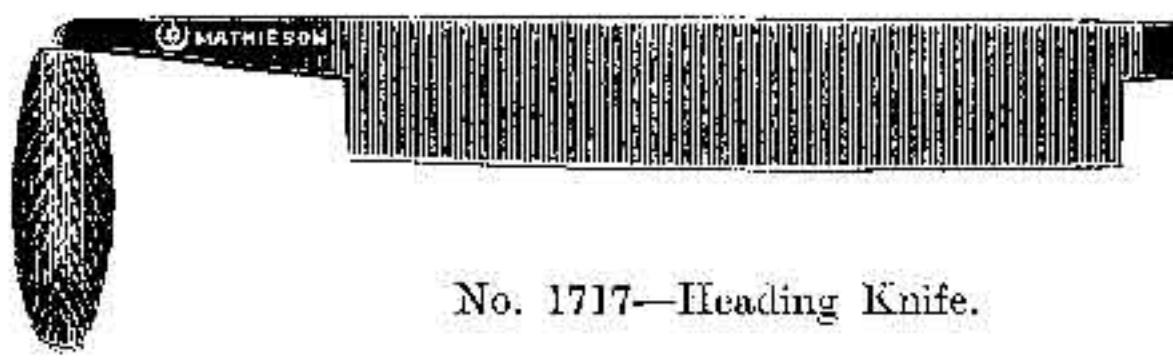
No.

COOPERS' TOOLS—*Continued.*

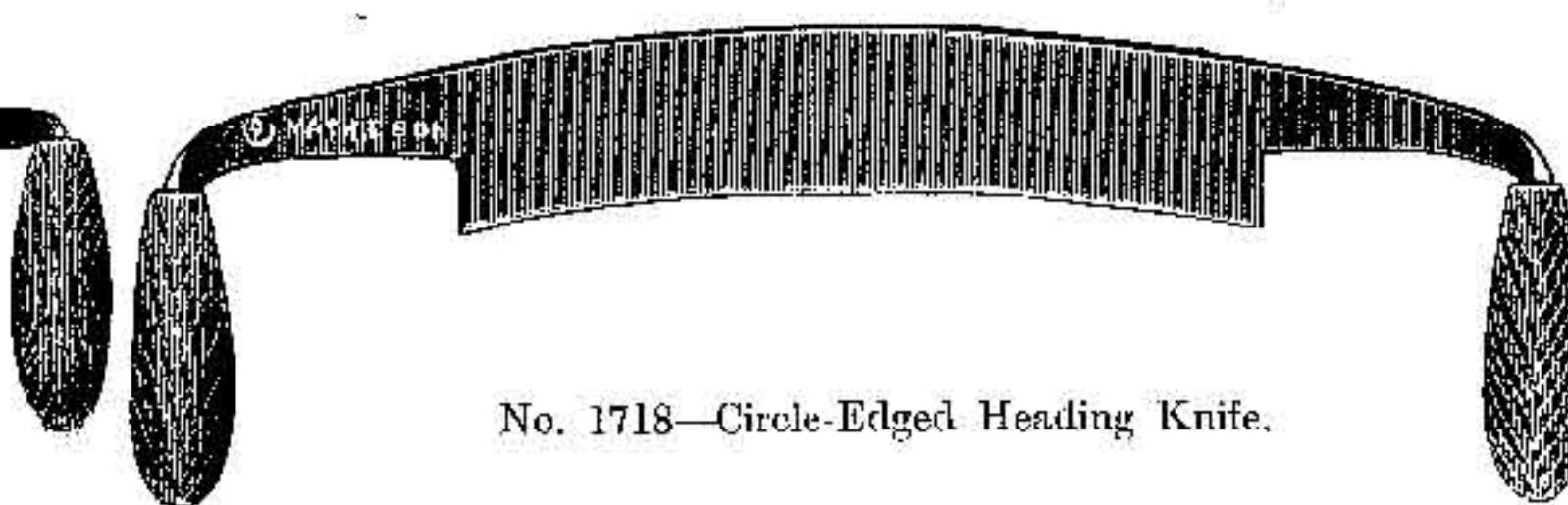
No. 1715—Hollowing or Belly Knife.



No. 1716—Drawing or Backing Knife.



No. 1717—Heading Knife.



No. 1718—Circle-Edged Heading Knife.

KNIVES.

No.	6	7	8	9	10	11	12	13	14	15	16	inch.
1715—Hollowing Knives, Cast Steel, Strong, ...	81/6	86/6	91/3	96/-	98/6	103/3	—	—	—	—	—	per doz.
1716—Drawing or Backing Knives, Cast Steel, Strong, ...	—	—	—	92/6	94/9	99/6	104/6	111/6	117/6	122/6	129/6	,,
1717—Heading Knives, Cast Steel, Strong, ...	—	—	—	92/6	94/9	99/6	104/6	111/6	117/6	122/6	129/6	,,
1718—Heading Knives, Cast Steel, Strong, Circle Edged, ...	—	—	—	—	—	—	120/-	127/3	132/-	—	—	,,
1719—Crum Knives or Jiggers, Small, to 2½ in., ...	—	—	—	—	—	—	—	—	—	—	—	82/3
1719A—Crum Knives or Jiggers, Mid, 2¾ and 3 in., ...	—	—	—	—	—	—	—	—	—	—	—	84/6
1719B—Crum Knives or Jiggers, Large, 3½ to 4½ in., ...	—	—	—	—	—	—	—	—	—	—	—	90/-

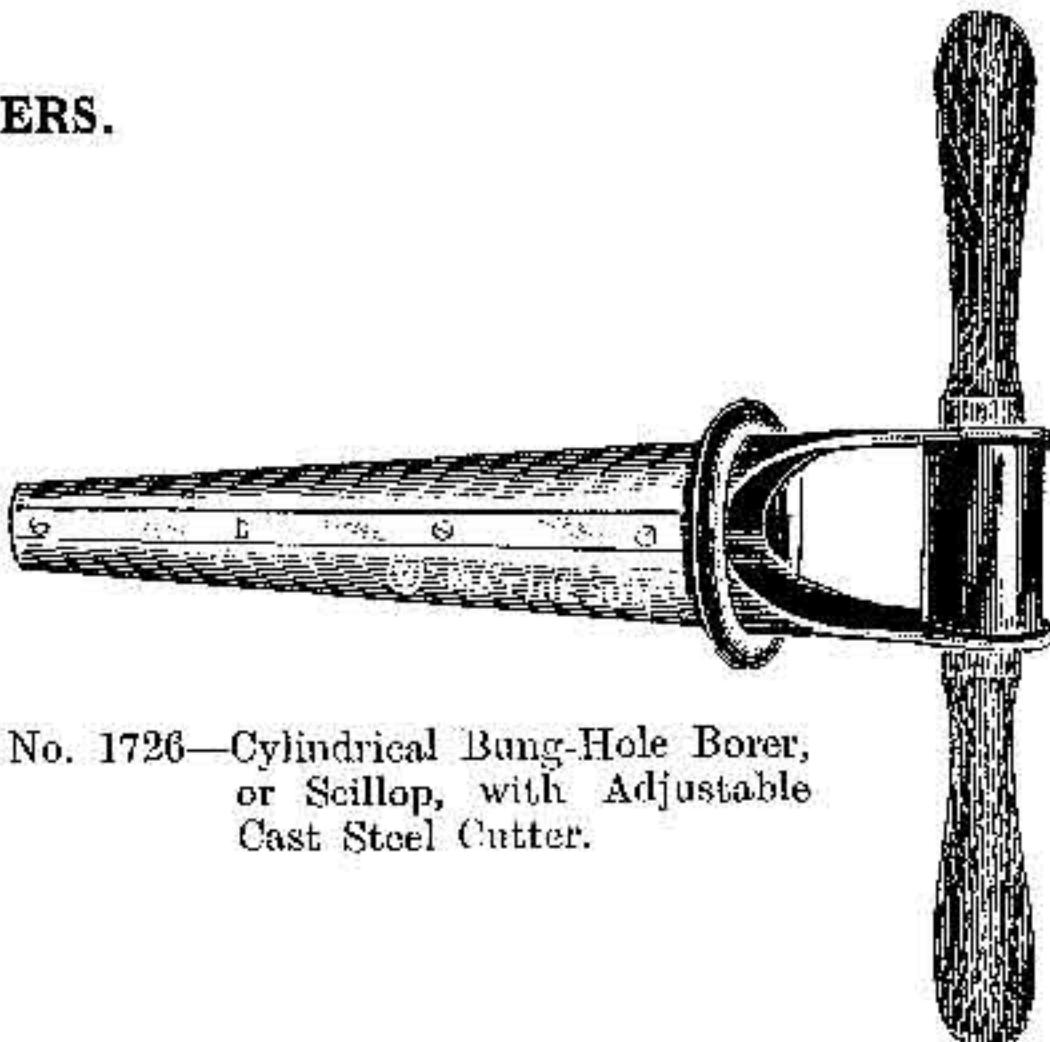


No. 1724—Scillop, or Bung-Hole Borer, with Eye.

BUNG BORERS.



No. 1725—Cylindrical Bung-Hole Borer, with Auger Point.

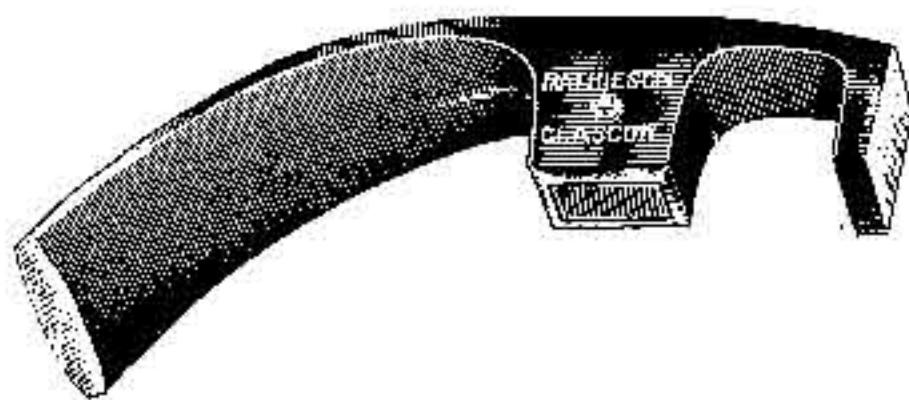


No. 1726—Cylindrical Bung-Hole Borer, or Scillop, with Adjustable Cast Steel Cutter.

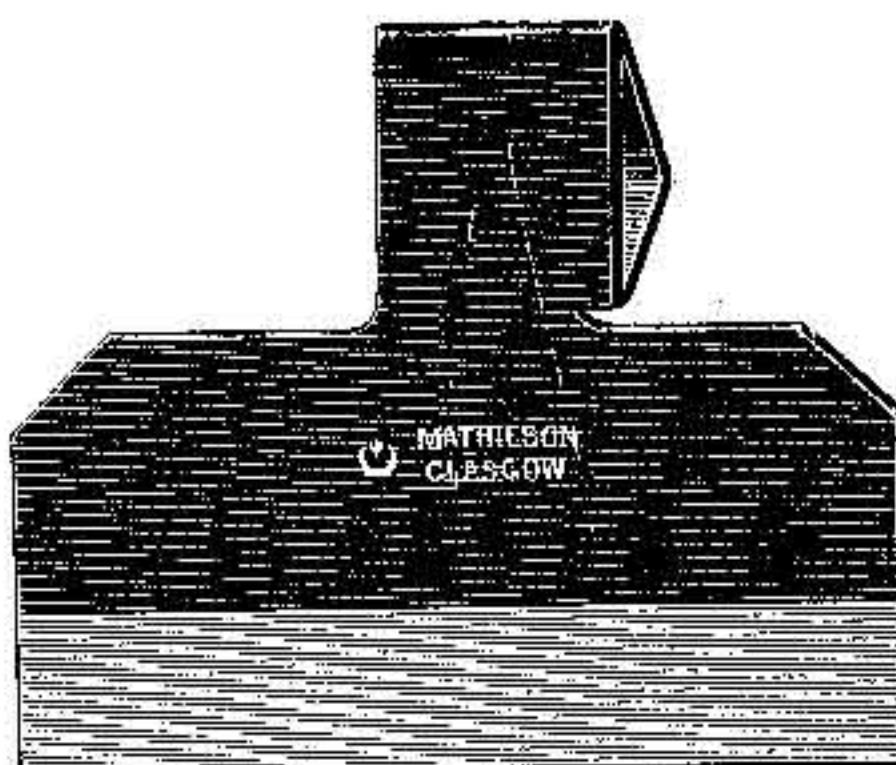
BUNG HOLE BORERS.

Best Cast Steel, Extra Long and Strong Bright Shells, with Strong Eyes—

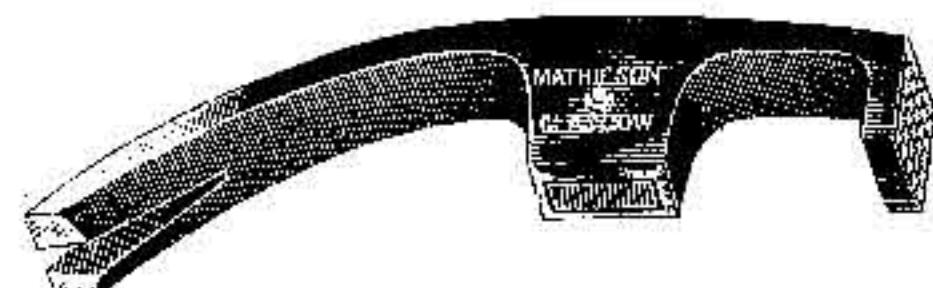
No.	1½	1¾	2	2¼	2½	2¾	3	3½	3¾	4	inch.
1724—Unhandled, ...	9/6	10/9	12/-	13/6	16/6	19/3	21/9	24/3	26/9	30/6	33/3 each.
1724A—Handled, ...	11/6	12/9	14/-	15/3	18/6	21/-	23/6	26/9	29/3	33/3	35/9 ,,
											½ to 1½ 1½ to 2 1½ to 3 inch.
1725—Cylindrical Bung Hole Borers, with Auger Point, ...								20/3	28/6	41/6	each.
1726—Cylindrical Bung Hole Borers, or Scillops, with Adjustable Cast Steel Cutter, Steel Body, 8×1½ to 3 in., ...									70/3	each.	

COOPERS' TOOLS—*Continued.*

No. 1735—Sharp Adze.



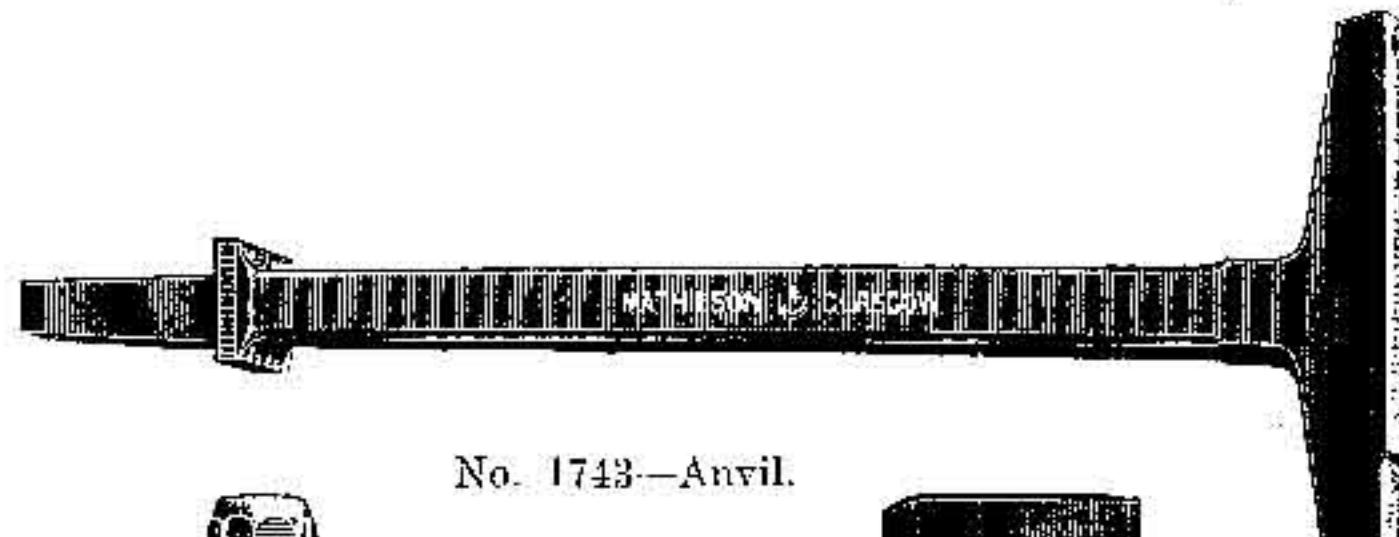
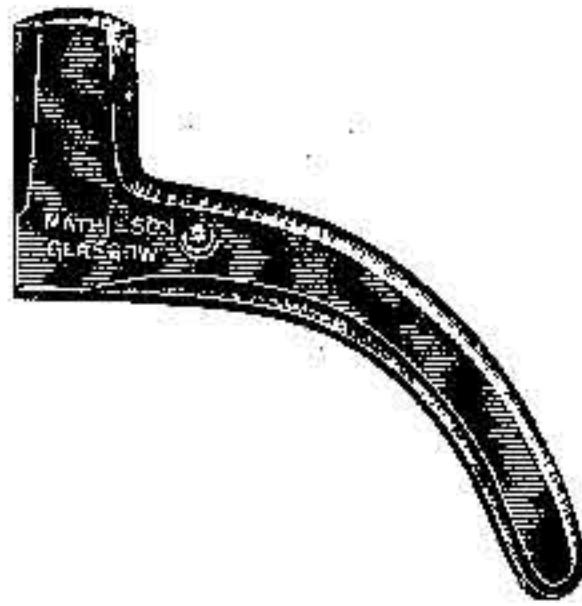
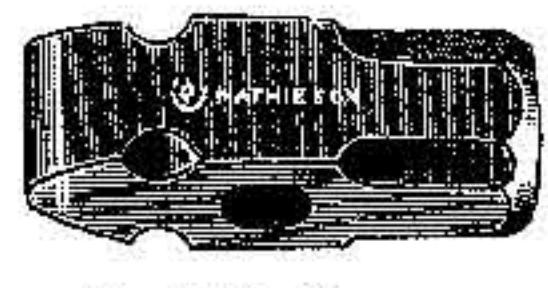
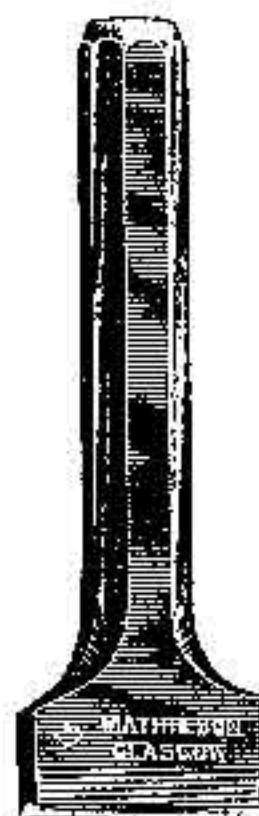
No. 1740—Coopers' Axe.



No. 1737—Nail or Blunt Adze.

ADZES AND AXES.

No.		No.	1	2	3	4
1735	—Sharp Adzes, Best Cast Steel, Strong,	105/6	112/9	120/-	132/- per doz.	
1737	—Blunt or Nail Adzes, Best Cast Steel, Strong,	103/3	108/-	115/3	— "	
1730	—Best Cast Steel, Light Axes,	10	11	12 inch.		
1740	—Best Cast Steel, Heavy Axes,	124/9	130/9	138/- per doz.		
		144/-	151/3	158/6	— "	

No. 1741—Hammer,
Usual Pattern.No. 1742—Hammer,
Sledge Pattern.No. 1745.
Bent Driver.No. 1746.
Straight Driver.No. 1747—Hose Driver,
Burton Pattern.No. 1748—Hose Driver,
Glasgow Pattern.

COOPERS' HAMMERS.

No.		2½ lb.	2¾ to 3½ lb.	4 lb. and up.
1741	—Best Cast Steel, Usual Pattern,	1/10 per lb.	1/9 per lb.	1/7½ per lb.
1742	—Best Cast Steel, Sledge Pattern,	1/6 ,	1/3 ,	1/3 ,

ANVILS OR BICK IRONS.

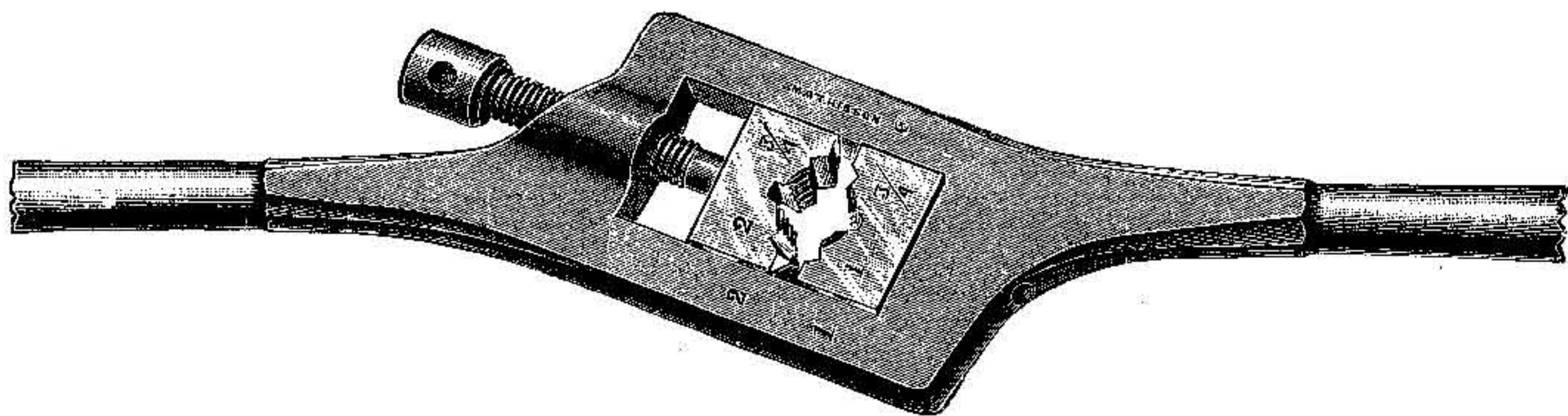
No.	15	20 to 30	31 to 40	41 to 50	51 to 60 lb.
1743—Improved Pattern, Faced with Best Cast Steel,	2/3	2/3	1/9	1/9	1/9 per lb.

The leading sizes average 30 to 45 lb. weight.

DRIVERS.

No.		61/8 per doz.
1745	—Bent Drivers, Strong,	61/8 "
1746	—Straight Drivers, Strong,	61/8 "
1747	—Hose Drivers, Strong, Burton Pattern, Handled, with Iron Ring,	91/9 "
1748	—Hose Drivers, Strong, Glasgow Pattern, Handled, with Iron Ring,	93/6 "

SCREW STOCKS.



Best Two-Die Screw Stocks for Engineers,

WITH BEST FINISHED DIES AND TAPS.

WHITWORTH STANDARD THREAD.

No. 1801.

RANGE OF SIZES.	With Taper and Plug Taps.	With Taper, Second, and Plug Taps.	With Taper, Second, Plug, and Master Taps.
E 0—Up to $\frac{1}{2}$ Inch— $\frac{1}{8}, \frac{3}{16}, \frac{1}{4}, \dots$ $\frac{1}{16}, \frac{1}{8}, \frac{3}{16}, \frac{1}{4}, \dots$ $\frac{3}{32}, \frac{1}{16}, \frac{3}{32}, \frac{1}{8}, \frac{7}{32}, \frac{1}{4}$	£1 6 6 1 12 6 2 14 0	£1 8 9 1 16 0 3 0 0	— — —
E 1—Up to $\frac{3}{4}$ Inch— $\frac{1}{4}, \frac{5}{16}, \frac{3}{8}, \dots$ $\frac{3}{16}, \frac{1}{4}, \frac{5}{16}, \frac{3}{8}, \dots$ $\frac{1}{8}, \frac{1}{4}, \frac{5}{16}, \frac{3}{8}, \dots$	1 10 0 1 16 0 2 2 0	1 16 0 2 4 6 2 11 6	£2 4 6 2 14 0 3 4 9
E 2—Up to $\frac{1}{2}$ Inch— $\frac{1}{4}, \frac{3}{8}, \dots$ $\frac{1}{8}, \frac{3}{8}, \frac{1}{4}, \dots$ $\frac{1}{16}, \frac{3}{8}, \frac{1}{4}, \frac{1}{2}, \dots$ $\frac{1}{32}, \frac{1}{16}, \frac{3}{16}, \frac{1}{8}, \dots$	1 14 9 2 4 6 2 15 0 1 16 0	2 2 0 2 14 0 3 7 0 2 4 6	2 11 6 3 6 0 4 2 9 2 14 0
E 3—Up to $\frac{5}{8}$ Inch— $\frac{3}{8}, \frac{5}{16}, \dots$ $\frac{3}{16}, \frac{1}{2}, \frac{5}{16}, \dots$ $\frac{1}{32}, \frac{1}{16}, \frac{1}{8}, \frac{5}{16}, \dots$ $\frac{1}{64}, \frac{1}{32}, \frac{1}{16}, \frac{5}{32}, \dots$	1 19 0 2 8 0 3 0 0 3 7 0	2 9 0 3 0 0 3 14 6 4 4 0	3 1 0 3 15 6 4 11 0 5 4 6
E 4—Up to $\frac{3}{4}$ Inch— $\frac{1}{2}, \frac{3}{8}, \dots$ $\frac{3}{8}, \frac{5}{16}, \frac{1}{4}, \dots$ $\frac{1}{16}, \frac{3}{8}, \frac{5}{16}, \frac{1}{4}, \dots$ $\frac{1}{32}, \frac{1}{16}, \frac{3}{16}, \frac{1}{8}, \frac{5}{32}, \dots$	2 8 0 2 17 6 3 6 6 4 4 0	3 0 0 3 12 0 4 4 0 5 8 0	3 15 6 4 11 0 5 5 6 6 15 6
E 5—Up to 1 Inch— $\frac{3}{8}, \frac{5}{16}, \frac{1}{2}, \dots$ $\frac{1}{16}, \frac{3}{8}, \frac{5}{16}, \frac{1}{2}, \dots$ $\frac{1}{32}, \frac{1}{16}, \frac{3}{16}, \frac{1}{2}, \dots$	3 7 0 4 0 6 4 12 6	4 5 0 5 2 0 5 17 6	5 6 9 6 9 6 7 7 6
E 6—Up to $1\frac{1}{2}$ Inch— $\frac{1}{2}, \frac{1}{16}, \frac{1}{4}, \dots$ $\frac{1}{16}, \frac{1}{16}, \frac{1}{4}, \dots$ $\frac{1}{32}, \frac{1}{16}, \frac{1}{8}, \frac{1}{4}, \dots$ $\frac{1}{64}, \frac{1}{32}, \frac{1}{16}, \frac{1}{8}, \frac{1}{4}, \dots$	4 6 6 4 9 0 5 6 6 6 5 0	5 10 9 5 16 0 7 0 6 8 4 9	6 19 0 7 8 6 9 0 9 10 13 0
E 7—Up to $1\frac{1}{2}$ Inch— $1, \frac{1}{16}, \frac{1}{8}, \dots$ $1\frac{1}{2}, \frac{1}{16}, \frac{1}{8}, \dots$ $1, \frac{1}{8}, \frac{1}{16}, \frac{1}{8}, \dots$ $1\frac{1}{2}, \frac{1}{8}, \frac{1}{16}, \frac{1}{8}, \dots$ $1, \frac{1}{16}, \frac{1}{8}, \frac{1}{16}, \frac{1}{8}, \frac{1}{8}, \dots$	5 19 0 6 7 0 7 3 0 7 12 6 8 18 0	7 10 0 8 3 6 9 3 6 9 17 0 11 11 0	9 8 0 10 6 6 11 12 0 12 11 0 14 14 0
E 9—Up to 2 Inch— $1\frac{1}{2}, \frac{1}{16}, 2, \dots$ $1\frac{1}{2}, \frac{1}{16}, \frac{1}{8}, 2, \dots$ $1\frac{1}{8}, \frac{1}{16}, \frac{1}{8}, 2, \dots$ $1\frac{1}{2}, \frac{1}{8}, \frac{1}{16}, \frac{1}{8}, 2, \dots$	11 9 6 13 15 6 14 3 6 15 10 6	14 11 6 17 8 0 18 11 0 20 13 0	17 19 0 21 8 0 23 7 0 26 5 0

New Dies can be supplied to fit any of above Stocks. In ordering, state Size of Dies, and Reference Letter and Number of Stock.

Example—1 pair $\frac{1}{2}$ inch B.S.W. (or B.S.F.) Standard Dies for Stock E 4.

New Dies for other makes of Screw Stocks—In ordering, send Stock or old Dies.

FOR TAPS ONLY, SEE PAGE 31.

Best Two-Die Screw Stocks for Iron Pipe.

WITH BEST FINISHED DIES AND TAPS.

BRITISH STANDARD PIPE THREAD.

No. 1802.

RANGE OF SIZES. INTERNAL DIAMETER OF TUBES.	With Taper and Plug Taps.
G 1—Up to $\frac{3}{8}$ Inch— $\frac{1}{8}, \frac{1}{4}, \frac{3}{8}, \dots$	£1 5 9 1 13 0
G 2—Up to $\frac{1}{2}$ Inch— $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}, \dots$	1 11 6 1 18 6
G 3—Up to $\frac{3}{4}$ Inch— $\frac{1}{2}, \frac{1}{2}, \frac{3}{4}, \dots$	2 7 6 2 8 0
G 4—Up to 1 Inch— $\frac{1}{2}, \frac{1}{2}, \frac{3}{4}, \dots$	2 14 0 2 15 0
G 5—Up to $1\frac{1}{4}$ Inch— $\frac{1}{2}, \frac{1}{2}, \frac{3}{4}, \dots$	3 2 6 3 3 6
G 6—Up to $1\frac{1}{2}$ Inch— $\frac{1}{2}, \frac{1}{2}, \frac{3}{4}, \dots$	3 12 0 4 16 6
G 8—Up to 2 Inch— $\frac{1}{2}, \frac{1}{2}, \frac{3}{4}, \dots$	3 7 6 3 19 0
	3 19 6 4 3 0
	4 17 0 5 12 0
	3 13 0 4 11 0
	5 8 0 6 6 0
	5 3 0 6 3 0
	7 4 0 7 18 0
	9 14 6 11 4 0
	11 16 0 13 2 0

New Dies can be supplied to fit any of above Stocks.

In ordering, state Size of Dies and Reference Number of Stock.

Example—1 pair $\frac{1}{2}$ inch B.S.P. Dies for Stock G 4.

New Dies for other makes of Screw Stocks—In ordering, send Stock or old Dies.

FOR TAPS ONLY, SEE PAGE 32.

Screw Stocks for Brass or Copper Tube,
With Dies, Taper and Plug Taps.

Measured by External Diameter of Tube.

No. 1807.

$\frac{1}{4}, \frac{3}{8}, \frac{1}{2}$ Inch.	$\frac{1}{8}, \frac{1}{4}, \frac{3}{8}$ Inch.	$\frac{1}{16}, \frac{1}{8}, \frac{1}{16}$ Inch.
25/3	25/3	27/6 each.
$\frac{1}{8}, \frac{1}{4}, \frac{3}{8}, \frac{1}{2}$	$\frac{1}{8}, \frac{1}{4}, \frac{3}{8}, \frac{1}{2}$	$\frac{1}{16}, \frac{1}{8}, \frac{1}{16}, \frac{1}{2}$ Inch.

25/3 25/3 27/6 each.

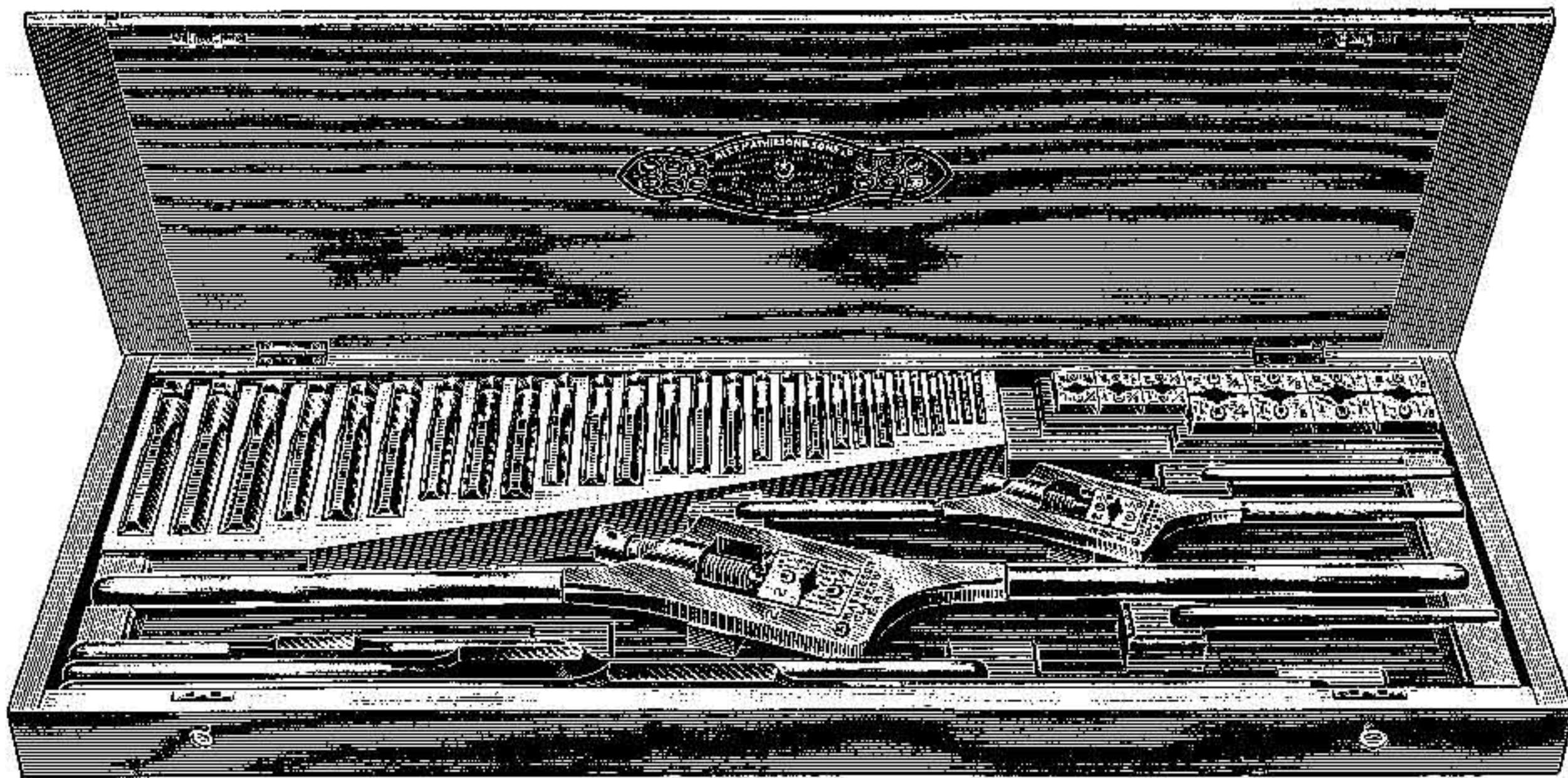
$\frac{1}{8}, \frac{1}{4}, \frac{3}{8}, \frac{1}{2}$ $\frac{1}{8}, \frac{1}{4}, \frac{3}{8}, \frac{1}{2}$ $\frac{1}{16}, \frac{1}{8}, \frac{1}{16}, \frac{1}{2}$ Inch.

30/6 34/9 39/6 52/9 each.

ENGINEERS' TWO-DIE SCREW STOCKS.

WHITWORTH STANDARD THREAD.

WITH DIES, TAPS, AND TAP WRENCHES, &c., COMPLETE, FITTED INTO DEAL CASES.



Set No. 53.

RANGE OF SIZES.	With Taper and Plug Taps.	With Taper, Second, and Plug Taps.
No. 50 Set—2 Stocks in 1 Case— $\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{2}$ — $\frac{3}{8}$, $\frac{3}{4}$, $\frac{5}{8}$, 1 in., ...	£10 10 0	£11 12 0
No. 51 Set—2 Stocks in 1 Case— $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$ — $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 in., ...	11 6 6	12 12 0
No. 52 Set—2 Stocks in 1 Case— $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$ — $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{1}{4}$ in., ...	14 8 0	16 4 0
No. 53 Set—2 Stocks in 1 Case— $\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{2}$ — $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{1}{4}$ in., ...	14 18 6	16 16 0
No. 54 Set—2 Stocks in 1 Case— $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$ — $\frac{5}{8}$, $\frac{3}{4}$, 1, $1\frac{1}{8}$, $1\frac{1}{4}$ in., ...	16 1 0	18 3 9
No. 55 Set—3 Stocks in 1 Case— $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$ — $\frac{7}{8}$, 1— $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{3}{8}$, $1\frac{1}{2}$ in., ...	22 13 0	25 11 6
No. 56 Set—3 Stocks in 1 Case— $\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{2}$ — $\frac{3}{4}$, $\frac{7}{8}$, 1— $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{3}{8}$, $1\frac{1}{2}$ in., ...	23 0 0	26 0 0
No. 57 Set—3 Stocks in 1 Case— $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$ — $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1— $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{3}{8}$, $1\frac{1}{2}$ in., ...	24 7 6	27 11 0
No. 58 Set—3 Stocks in 2 Cases— $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ — $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{1}{4}$ — $1\frac{3}{8}$, $1\frac{1}{2}$, $1\frac{3}{4}$, 2 in., ...	37 19 0	43 10 0
No. 59 Set—3 Stocks in 2 Cases— $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$ — $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1, $1\frac{1}{8}$, $1\frac{1}{4}$ — $1\frac{3}{8}$, $1\frac{1}{2}$, $1\frac{3}{4}$, 2 in., ...	39 2 0	44 17 0

BEST TWO-DIE SCREW STOCKS FOR IRON PIPES.

BRITISH STANDARD PIPE THREAD.

WITH DIES, TAPER AND PLUG TAPS, AND TAP WRENCHES, &c., COMPLETE, FITTED INTO DEAL CASES.

No. 60 Set—2 Stocks in 1 Case— $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ — $\frac{3}{4}$, 1, $1\frac{1}{4}$ in., ...	£12 15 6
No. 61 Set—2 Stocks in 1 Case— $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ — $\frac{3}{4}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$ in., ...	13 15 0
No. 62 Set—2 Stocks in 1 Case— $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$ — $\frac{1}{2}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$ in., ...	17 17 0
No. 63 Set—2 Stocks in 1 Case— $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1— $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{8}$, 2 in., ...	25 19 0

If with Master Taps, the above Sets will cost proportionately higher; as a guide to which see list of Taps at pages 31 and 32, the extra size of Case, and extra fitting, being also additional.

ENGINEERS' TAPS.



No. 1820—Taper.

HAND TAPS, TAPER, SECOND, OR PLUG, FOR ENGINEERS.

WHITWORTH STANDARD THREAD.

Diameter, ...	$\frac{1}{16}$	$\frac{3}{32}$	$\frac{1}{8}$	$\frac{5}{32}$	$\frac{3}{16}$	$\frac{7}{32}$	$\frac{1}{4}$	$\frac{13}{32}$	$\frac{3}{8}$	$\frac{11}{32}$	$\frac{1}{2}$	$\frac{15}{32}$	$\frac{7}{16}$	$\frac{15}{32}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2 in.
No. Threads per inch	60	48	40	32	24	24	20	18	16	14	12	12	11	11	10	10	9	9	8	7	7	6	6
1820—Taper, ...	... } 6/9	16/6	18/2	19/9	22/3	24/9	32/3	39/6	58/6	73/3	84/9	9/6	10/6	13/8	15/9	18/9	21/-						
1821—Second, }																						
1822—Plug, }																						

Per Dozen.

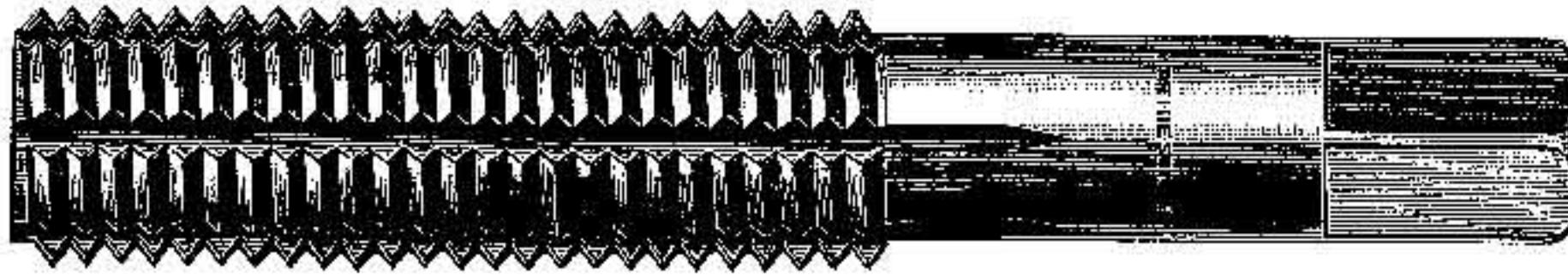
Each.

Unless otherwise ordered we supply with 3 Grooves up to and including $\frac{7}{16}$ " dia., and with 4 Grooves above that size.We also carry a stock of 3 Grooves up to $1\frac{1}{4}$ " at above prices.

LEFT HAND TAPS, TAPER, SECOND, OR PLUG.

STANDARD PITCHES AS ABOVE.

No.		$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2 in.
1823—Taper, ...	... } 3/6	3/6	4/-	4/6	4/9	5/-	5/6	6/6	8/6	10/3	12/-	each.						
1824—Second, }																	
1825—Plug, }																	



No. 1826—Master Tap, for 2 Dia.

MASTER TAPS FOR ENGINEERS.

WHITWORTH STANDARD THREAD.

No.	Diameter, ...	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2 in.	
1826—For Two-die Stocks, ...	3/4	3/4	3/4	4/2	4/6	5/-	5/9	6/4	7/6	9/-	11/3	13/6	15/-	18/-	19/6	24/-	27/-	31/6	36/- each.
1827—For Three-die Stocks, ...	3/9	3/9	3/9	4/6	4/10	5/8	6/9	7/6	8/3	10/10	12/9	14/8	17/3	19/6	22/6	27/-	30/-	34/6	39/- ,

NOTE.—The Master Tap for Cutting Dies in the Three-die Screw Stock is double the depth of the Thread larger in diameter than the Master Tap used for cutting Dies in the ordinary Two-die Screw Stock.

In ordering, please say, "Master Taps for Two-dies," or "Master Taps for Three-dies."

No. 1822F
PLUG.

HAND TAPS.

BRITISH STANDARD FINE THREAD.

Diameter, ...	Threads per inch,	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	$\frac{7}{8}$	$\frac{15}{16}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{5}{16}$	$\frac{1}{4}$	in.
No. 1820F—Taper, ...	... } 26	26	22	20	18	16	16	14	14	12	12	11	11	10	10	10	10	10
No. 1821F—Second, }																		
No. 1822F—Plug, }																		

FOR GROUND THREAD TAPS, SEE SPECIAL CATALOGUE NO. G.T. 2.

TAPS—Continued.

No. 1828—Machine Tap.

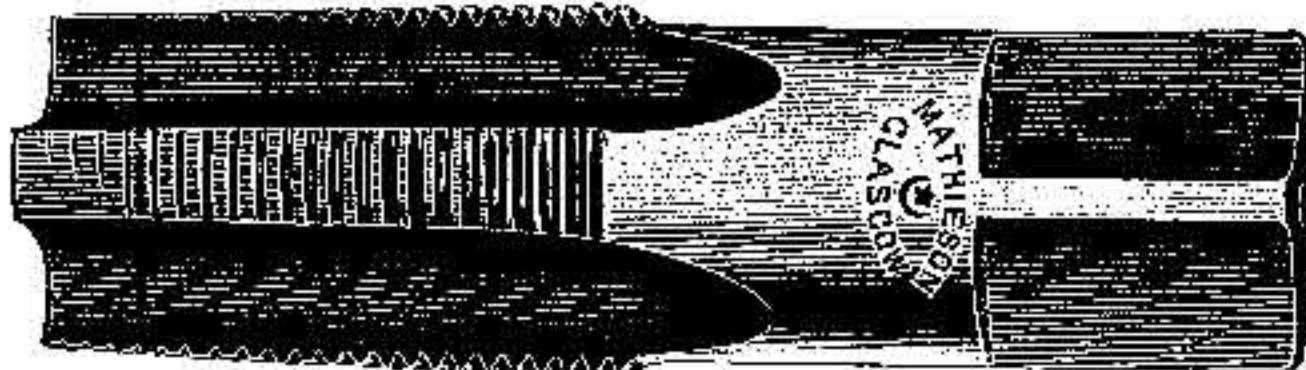
MACHINE TAPS, TAPER, FOR ENGINEERS.**WHITWORTH STANDARD THREAD.**

Diameter, ...	$\frac{1}{16}$	$\frac{3}{32}$	$\frac{7}{64}$	$\frac{1}{8}$	$\frac{5}{32}$	$\frac{3}{16}$	$\frac{7}{32}$	$\frac{1}{4}$	$1\frac{1}{16}$	$1\frac{3}{16}$	$1\frac{1}{8}$	$1\frac{5}{16}$	$1\frac{3}{8}$	$1\frac{7}{16}$	2	$2\frac{1}{16}$	$2\frac{3}{16}$	$2\frac{1}{8}$	$2\frac{5}{16}$	$2\frac{3}{8}$	$2\frac{7}{16}$	3	inch.				
Threads per inch,	20	18	16	14	12	12	11	10	9	8	7	7	6	6	5	5	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4	4	3 $\frac{1}{2}$	3 $\frac{1}{2}$				
No. 1828—Machine Taper Taps, }	2/10	2/10	3/4	3/4	3/11	4/3	4/3	4/6	5/8	6/9	8/2	13/6	15/9	19/6	22/6	28/6	33/9	39/9	47/3	60/-	69/-	75/-	90/-	108/-	123/-	138/-	153/- each.

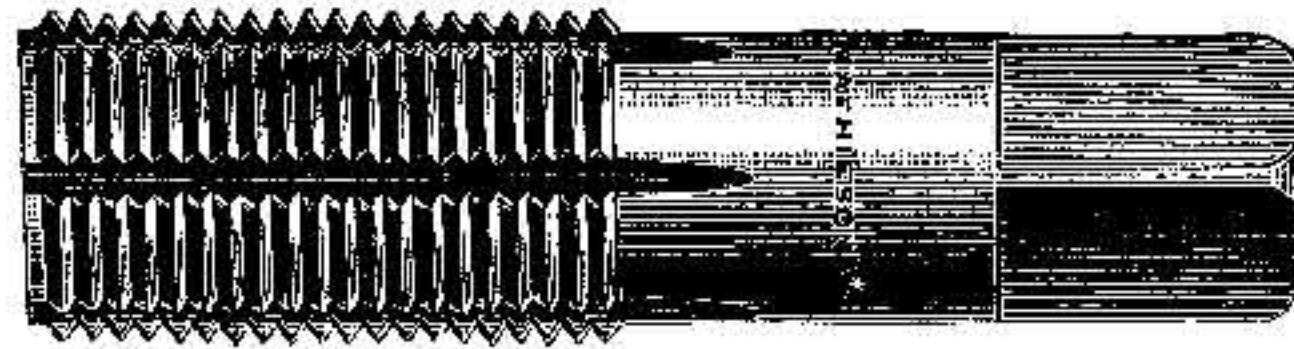
SQUARE THREAD TAPER TAPS.

No. 1862.

No.	Diameter, ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...
No.	No. of Threads per inch,	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...
1862—Square Thread Taper Taps, ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	10/6	12/-	15/-	17/3	21/-	21/-	21/-	25/8	25/8	30/-	each.	each.	each.	each.

GAS (OR PIPE) TAPS.**BRITISH STANDARD PIPE THREAD.**

No. 1840—Taper Tap.



No. 1842—Master Tap.

PIPE TAPS.

Internal Diar. of Tube in inches, ...	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{3}{8}$	$2\frac{5}{8}$	3	inch.						
No. No. of Threads per inch,	28	19	19	14	14	14	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
1840—Taper Taps, for Iron Pipe,																						
1840 $\frac{1}{2}$ —Second Taps, for Iron Pipe,	1/5	1/5	1/9	2/2	2/7	3/6	5/3	7/4	10/-	12/6	16/3	24/3	29/6	36/9	44/-	each.						
1841—Plug Taps, for Iron Pipe,																						
1842—Master Taps, for Iron Pipe,	2/8	2/8	3/-	4/-	4/9	7/6	9/9	13/6	17/3	21/-	30/-	—	—	—	—	—	—	—	—	—	—	—

TAPS FOR BRASS OR COPPER TUBES.

No.	External Diameter of Tubes,	
1847—Taper Taps for Brass,	15/9	18/9	21/9	26/3	32/3	47/3	63/9	per doz.										
1848—Plug Taps for Brass,																		

SPARKING PLUG TAPS.**TAPER AND PLUG.**

No. 1875. No. 1876.



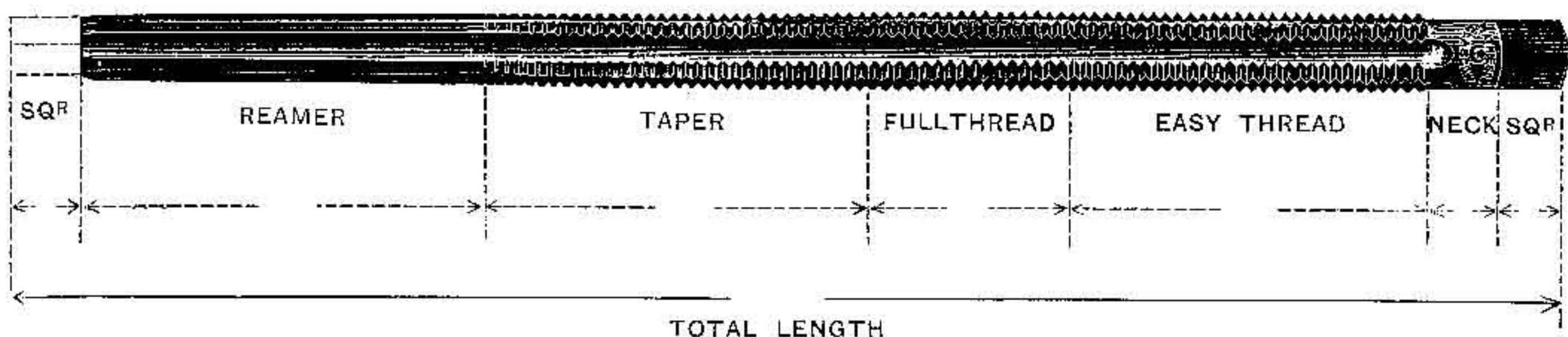
FOR GROUND THREAD TAPS, SEE SPECIAL CATALOGUE NO. G.T. 2.

SPECIAL TAPS.

BOILER STAY TAPS FOR MARINE AND LOCOMOTIVE BOILERS.

We make these in dimensions and pitches to suit the special requirements of our Customers in either Cut Thread or Ground Thread.
Prices quoted on receipt of Specification.

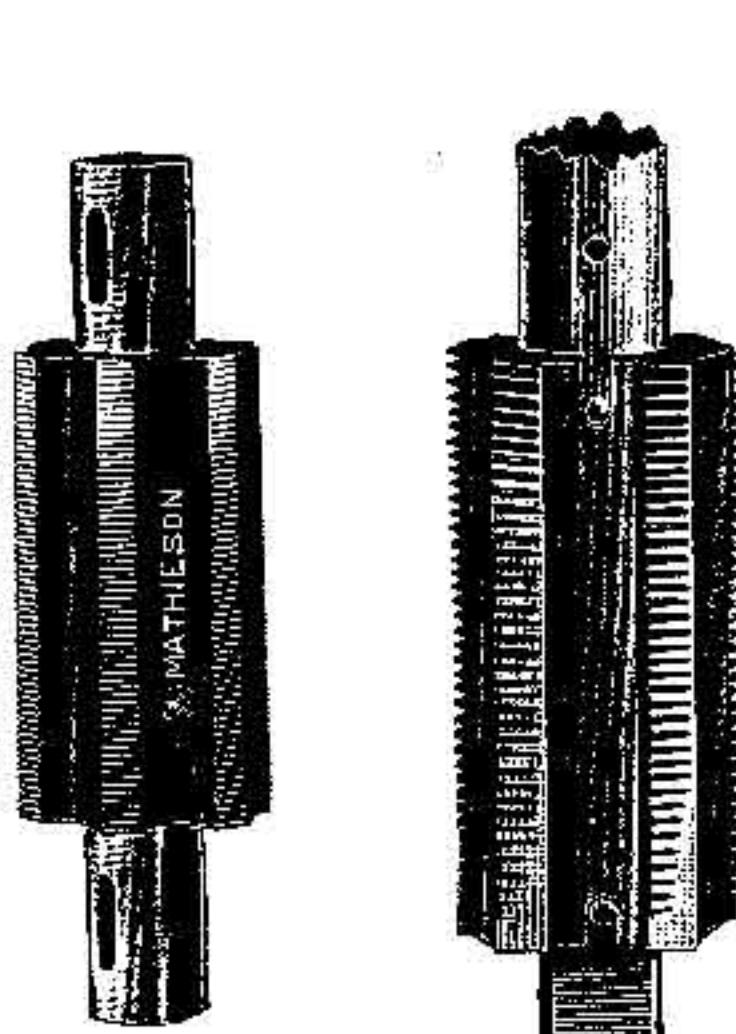
WATER SPACE STAY TAPS FOR MARINE BOILERS.



No. 1870.

In ordering please state the Dimensions of the various parts, as shewn in above illustration.

TAPS FOR TAPPING BOILER TUBE PLATES.



No. 1873.
Solid.
Slotted Ends.

All above made to order.
Prices on application.



No. 1873A.
Hollow.
Slotted Ends.

No. 1873C.
With Removable Segment.



Removable Segment
for
No. 1873C.



No. 1873B.
Hollow,
with Keyway.

No. 1873D.
Solid,
With Screwed Ends.

This pattern is similar to
No. 1873, but has Screwed
Ends as No. 1873C.

Boiler Taps with Removable Segment.—When the hole is tapped, the Removable Segment is taken out, and the Tapping Bar is withdrawn without the necessity of screwing back. In addition to the saving of time thereby effected, this method prevents damage to the Thread of the Tapped Plate, and also to the Thread of the Tap, to which both are liable when screwing back.

CONNECTING BARS FOR ABOVE TAPS MADE TO ORDER.



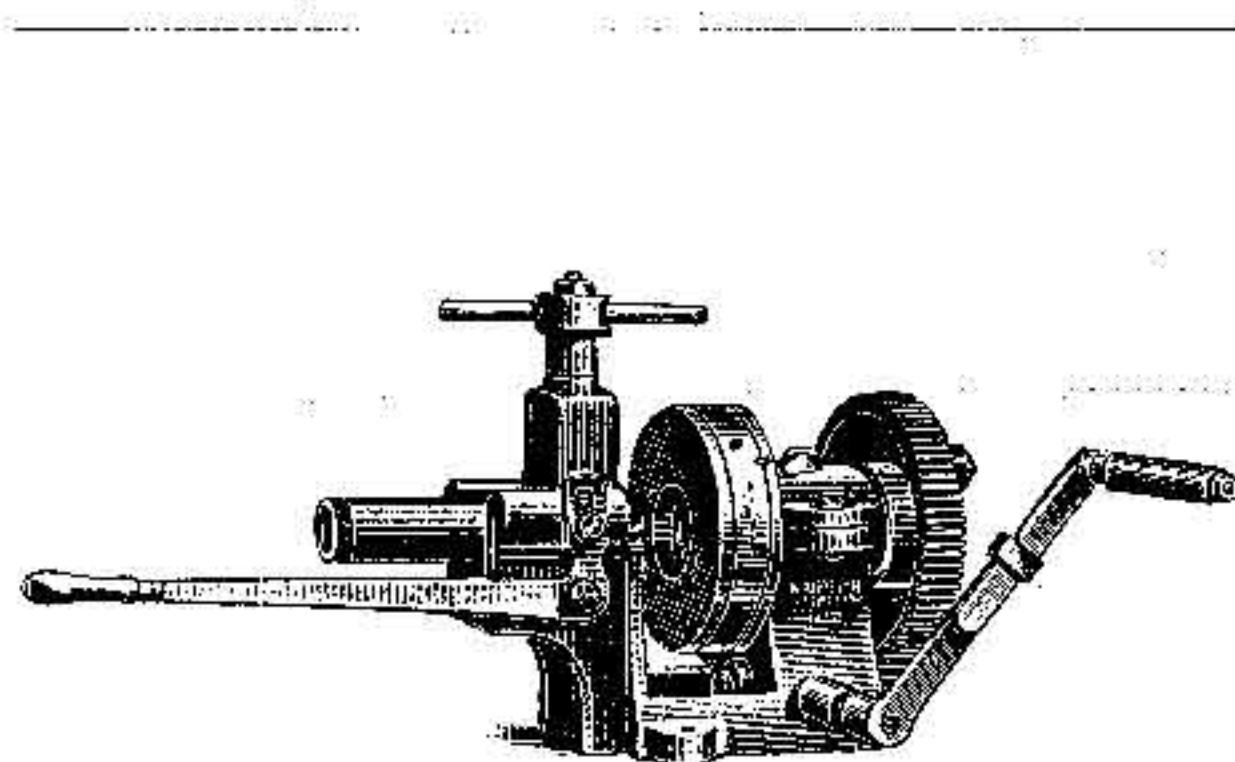
No. 1870B.

CROWN STAY TAPS, FOR TAPPING LOCOMOTIVE FIRE BOX CROWN STAYS.

HAND POWER SCREWING MACHINES.

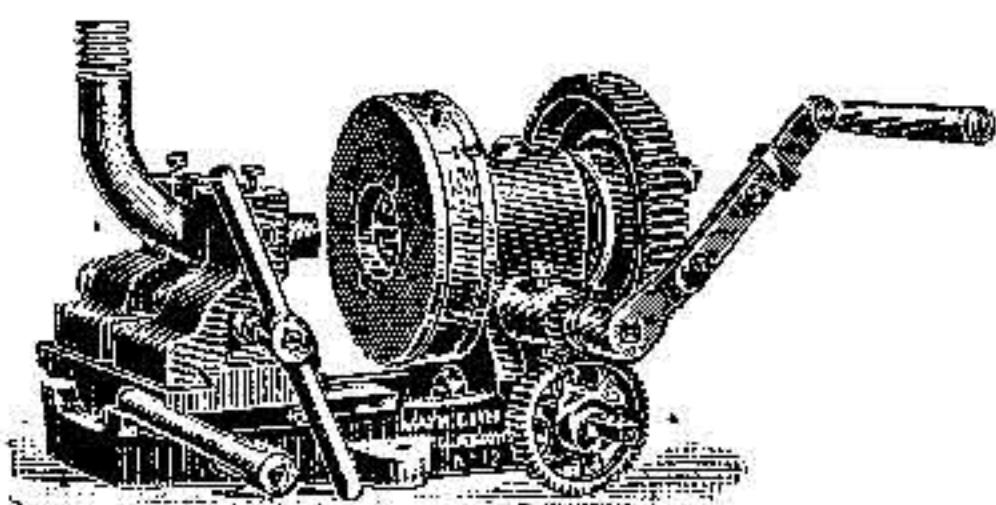
For IRON GAS TUBES (British Standard Pipe Thread) or for BOLTS (British Standard Whitworth Thread).

With Adjustable Dies, Screwing at once over.



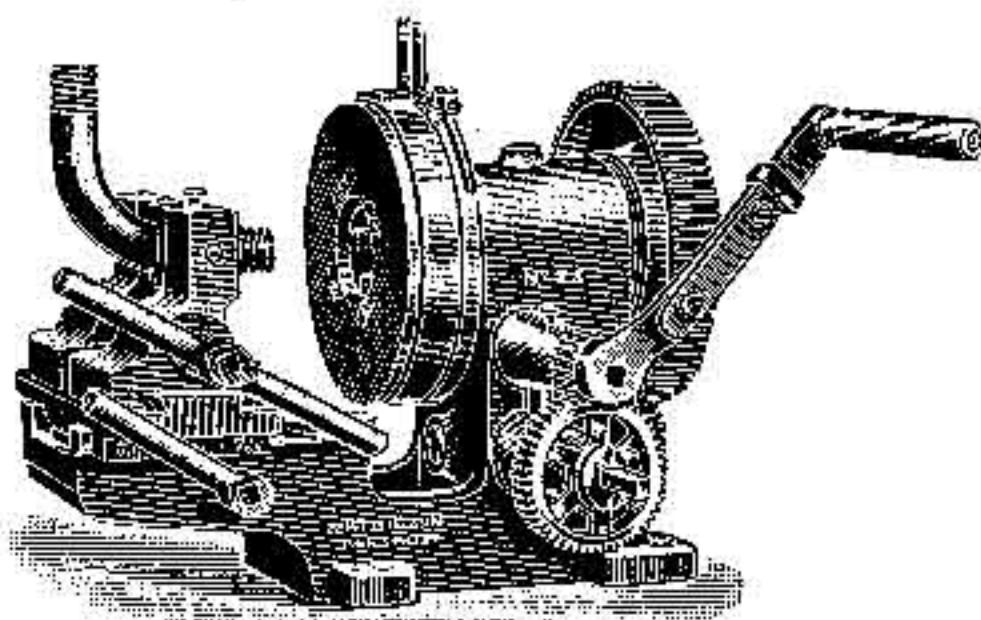
No. 2—Screwing Machine.

Size No.	To Screw.	Thread Designation.	Sets of Dies.	Price Each.
1	½, ¾, ½, ¾, 1 in. Iron Gas Tubes,	B.S.P.	3	£19 5 0
1B.	½, ¾, ¾, ¾, 1 in. Bolts,	B.S.W.	5	21 15 0
2	½, ¾, ½, ¾, 1, 1½, 1½, 1¾, 2 in. Iron Gas Tubes,	B.S.P.	3	30 6 0
2A.	1, 1½, 1½, 1¾, 2 in. Iron Gas Tubes,	B.S.P.	1	26 15 0
2B.	1, 1½, 1½, 1¾, 1½ in. Bolts,	B.S.W.	3	30 6 0
2C.	½, ¾, ¾, ¾, 1, 1½, 1½, 1¾, 1½ in. Bolts,	B.S.W.	7	37 10 0
3	1, 1½, 1½, 1¾, 2, 2½, 2½, 3 in. Iron Gas Tubes	B.S.P.	2	43 10 0
3A.	1½, 1¾, 2, 2½, 2½, 3 in. Iron Gas Tubes,	B.S.P.	1	41 2 0
4	2, 2½, 2½, 3, 3½, 4 in. Iron Gas Tubes,	B.S.P.	1	60 0 0



No. 12—Screwing Machine, with Open Cross Slide Vice, to Screw Bends as well as Straight Tubes.

11	¼, ¾, ½, ¾, 1 in. Iron Gas Tubes,	B.S.P.	3	£25 2 0
11B.	½, ¾, ¾, ¾, 1 inch Bolts,	B.S.W.	5	27 15 0
12	¼, ¾, ½, ¾, 1, 1½, 1½, 1¾, 2 in. Iron Gas Tubes,	B.S.P.	3	37 0 0
12A.	1, 1½, 1½, 1¾, 2 in. Iron Gas Tubes,	B.S.P.	1	33 10 0
12B.	1, 1½, 1½, 1¾, 1½ in. Bolts,	B.S.W.	3	37 0 0
12C.	¼, ¾, ¾, ¾, 1, 1½, 1½, 1¾, 1½ in. Bolts,	B.S.W.	7	44 5 0
13	1, 1½, 1½, 1¾, 2, 2½, 2½, 3 in. Iron Gas Tubes,	B.S.P.	2	49 10 0
13A.	1½, 1¾, 2, 2½, 2½, 3 in. Iron Gas Tubes,	B.S.P.	1	47 2 0
14	2, 2½, 2½, 3, 3½, 4 in. Iron Gas Tubes,	B.S.P.	1	67 0 0

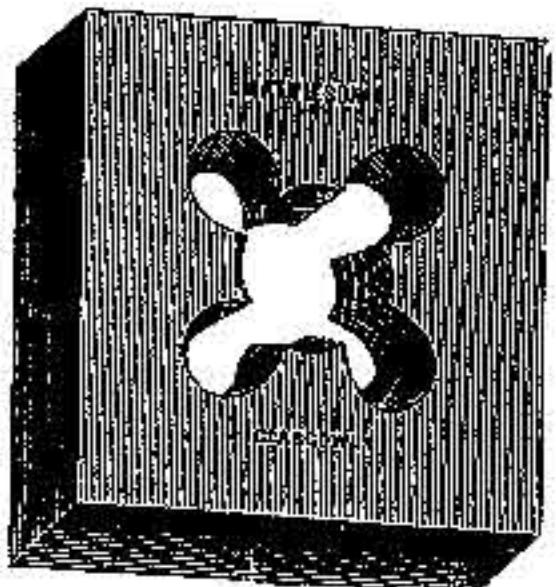


No. 23—Screwing Machine, with Releasing Motion for Dies.

22	¼, ¾, ½, ¾, 1, 1½, 1½, 1¾, 2 in. Iron Gas Tubes,	B.S.P.	3	£43 0 0
22A.	1, 1½, 1½, 1¾, 2 in. Iron Gas Tubes,	B.S.P.	1	39 10 0
22B.	1, 1½, 1½, 1¾, 1½ in. Bolts,	B.S.W.	3	43 0 0
22C.	¼, ¾, ¾, ¾, 1, 1½, 1½, 1¾, 1½ in. Bolts,	B.S.W.	7	50 0 0
23	1, 1½, 1½, 1¾, 2, 2½, 2½, 3 in. Iron Gas Tubes,	B.S.P.	2	53 0 0
23A.	1½, 1¾, 2, 2½, 2½, 3 in. Iron Gas Tubes,	B.S.P.	1	50 10 0

SCREWING MACHINE ACCESSORIES.

For Size No.	1	2	3	4	Machines.
For Size No.	11	12	13	14	Machines.
For Size No.	—	22	23	24	Machines.
Extra Adjustable Dies,	26/-	38/-	48/-	67/6	Per Set.
Cutting Off Apparatus for Tubes,	25/-	36/-	47/-	65/-	Each.
Fast and Loose Pulleys or Cone for Belt Power,	59/-	78/-	98/-	135/-	,
Overhead Driving Gear,	£6 5 0	£7 6 0	£8 7 0	£11 5 0	,



No. 1811.

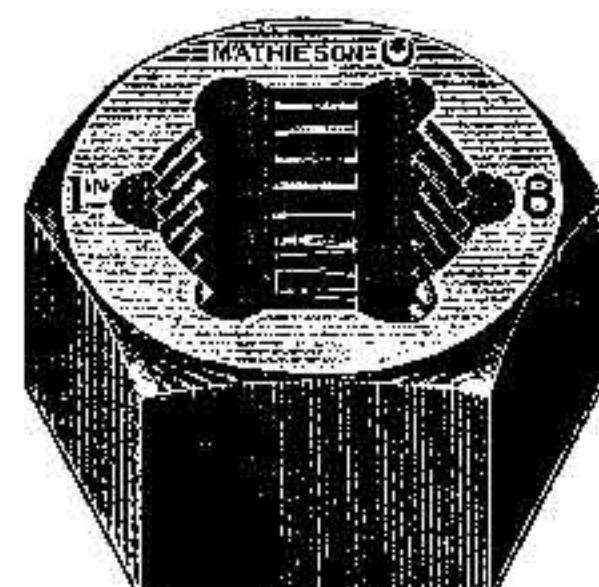
SQUARE SOLID DIES.

BRITISH STANDARD WHITWORTH THREAD.

$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$
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No. 1811—Square Solid Dies,

PRICES ON APPLICATION.

Sizes range from $1\frac{1}{2}$ in. to $3\frac{1}{2}$ in. square $\times \frac{1}{8}$ in. to $1\frac{1}{8}$ in. thick.

No. 1812.

Hexagon Die Nuts.

No.	$\frac{1}{4}$	$\frac{3}{10}$	$\frac{1}{8}$	$\frac{7}{10}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	inch.
1812—Hexagon Die Nuts, Whitworth Standard, }	2/3	2/6	3/2	3/8	4/3	4/6	6/-	6/6	7/-	8/6	9/6	10/9	11/9	each.	

1814—Hexagon Die Nuts, British Standard Pipe Thread, }	4/-	—	5/4	—	5/10	7/10	8/6	—	11/-	—	17/-	—	22/6	„	
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No. 1883—Engineer's Pattern, Inside.



No. 1880—Ordinary Pattern, Outside.



No. 1885—Slide Rest Pattern, Inside.

Screw Tools (or Chasers).

Threads per inch,	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 to 30
No. (For Finer Pitches, see below).																					
1880—Ordinary Pattern, Outside,																					
1881—Ordinary Pattern, Inside,																					
1882—Engineers' Pattern, Outside,																					
1883—Engineers' Pattern, Inside,																					
1884—Slide Rest Screw Tools, Outside, —																					
1885—Slide Rest Screw Tools, Inside, —																					

The size of Slide Rest Screw Tools kept in stock is 9 in. $\times \frac{1}{4}$ in. square. Other sizes to order.

FINE PITCH SCREW TOOLS.

Threads per inch,	31	32	33	34	35	36	37	38	39	40	42	44	46	48	50	
1880—Ordinary Pattern, Outside,																
1881—Ordinary Pattern, Inside,																each.

The following can be made to order:—Metric Screw Tools, Special Pitch Screw Tools, Bar Screw Tools, Inside Shape Screw Tools for Outside Work, Slide Rest Screw Tools other than sizes listed. Prices on application.

TWIST DRILLS.**TAPER SHANK TWIST DRILLS.****CARBON STEEL.**

List No. 1900.

HIGH SPEED STEEL.

List No. 1900 H.S.



MATHIESON & GLASGOW LTD.

Diameter. Inches.	Length Overall, Inches.	Morse Taper Shank No.	Price Each.		Diameter. Inches.	Diameter. Inches.	Length Overall, Inches.	Morse Taper Shank No.	Price Each.		Diameter. Inches.
			Carbon Steel.	High Speed Steel.					Carbon Steel.	High Speed Steel.	
1/16	4 9/16	3	1/11	—	1/16	5/8	11	3	14/7	26/6	1
5/32	4 11/16	1	1/11	—	5/32	5/8	11 1/16	3	15/8	29/-	1 1/32
3/16	4 13/16	1	1/11	—	3/16	5/8	11 1/4	3	16/8	31/-	1 7/16
7/32	4 15/16	1	1/11	—	7/32	5/8	11 1/2	3	17/9	33/-	1 3/32
1/8	5 1/16	1	1/11	5/6	1/8	5/8	11 5/8	3	18/9	35/-	1 1/8
5/32	5 3/16	1	1/11	5/6	5/32	5/8	11 1/4	3	19/10	37/-	1 1/16
3/16	5 5/16	1	1/11	5/6	3/16	5/8	12	3	20/10	39/-	1 2/32
7/32	5 7/16	1	2/1	5/6	7/32	1 1/8	12	3	21/11	42/-	1 1/4
5/32	5 9/16	1	2/1	5/9	5/16	1 1/8	12 1/2	3	22/11	44/-	1 1/2
3/16	5 11/16	1	2/4	5/9	3/8	1 1/8	12 1/2	4	24/-	53/-	1 5/16
7/32	5 13/16	1	2/4	5/9	7/32	1 1/8	14 1/2	4	25/-	55/-	1 1/16
1/8	5 15/16	1	2/6	5/9	1/4	1 1/8	14 1/2	4	26/1	58/-	1 1/8
5/32	5 17/16	1	2/6	6/-	1/4	1 1/8	14 1/2	4	27/1	62/-	1 1/32
3/16	5 19/16	1	2/9	6/3	5/32	1 1/8	14 1/2	4	29/2	64/-	1 1/32
7/32	5 21/16	1	2/11	6/3	5/16	1 1/8	14 1/2	4	31/3	68/-	1 1/16
1/8	5 23/16	1	2/11	6/3	15/16	1 1/8	15	4	33/4	72/-	1 1/2
5/32	5 25/16	1	3/2	6/6	15/16	1 1/8	15 1/4	4	35/5	76/-	1 1/32
3/16	5 27/16	1	3/2	6/6	3/8	1 1/8	15 1/4	4	37/6	80/-	1 1/32
7/32	5 29/16	1	3/4	6/6	3/8	1 1/8	15 1/4	4	39/7	84/-	1 1/8
1/8	5 31/16	1	3/4	6/6	15/32	1 1/8	15 1/4	4	41/8	88/-	1 1/32
5/32	5 33/16	1	3/9	7/-	15/32	1 1/8	15 1/4	4	43/9	92/-	1 1/8
3/16	5 35/16	1	3/9	7/-	15/32	1 1/8	15 1/4	4	45/10	95/-	1 1/32
7/32	5 37/16	1	4/2	7/6	15/32	1 1/8	16	4	48/-	98/-	1 1/16
1/8	5 39/16	1	4/2	7/6	15/32	1 1/8	16	4	50/-	101/-	1 1/32
5/32	5 41/16	1	4/7	8/-	15/32	1 1/8	16	4	52/1	104/-	1 1/4
3/16	5 43/16	1	4/7	8/-	15/32	1 1/8	16	4	55/3	108/-	1 1/32
7/32	5 45/16	1	4/7	8/6	15/32	1 1/8	16	4	58/4	112/-	1 1/32
1/8	5 47/16	1	5/-	8/6	15/32	1 1/8	16	4	61/6	116/-	1 1/8
5/32	5 49/16	1	5/-	8/6	1/4	1 1/8	16	4	64/7	120/-	1 1/32
3/16	5 51/16	1	5/5	9/-	15/32	1 1/8	16	4	67/9	125/-	1 1/32
7/32	5 53/16	1	5/5	9/-	15/32	1 1/8	16	4	70/10	130/-	1 1/16
1/8	5 55/16	1	5/10	9/-	15/32	1 1/8	16	4	74/-	135/-	1 1/32
5/32	5 57/16	1	5/10	12/-	15/32	1 1/8	16	4	77/1	140/-	2
3/16	5 59/16	*1	& 2	6/3	12/-	15/32	16	5	83/4	155/-	2 1/16
7/32	5 61/16	*1	& 2	6/3	12/6	15/32	16	5	89/7	165/-	2 1/8
1/8	5 63/16	*1	& 2	6/8	13/-	15/32	16	5	95/10	175/-	2 3/16
5/32	5 65/16	*1	& 2	6/8	13/-	15/32	16	5	102/-	185/-	2 1/4
3/16	5 67/16	2	7/1	13/6	15/32	15/16	16	5	108/4	195/-	2 5/16
7/32	5 69/16	2	7/1	13/6	15/32	15/16	16	5	114/7	210/-	2 3/8
1/8	5 71/16	2	7/6	14/-	15/32	15/16	16	5	120/10	225/-	2 7/16
5/32	5 73/16	2	7/6	14/-	15/32	15/16	16	5	127/1	240/-	2 3/8
3/16	5 75/16	2	7/11	15/-	15/32	15/16	16	5	133/4	260/-	2 9/16
7/32	5 77/16	2	7/11	15/-	15/32	15/16	16	5	141/8	275/-	2 5/8
1/8	5 79/16	2	8/4	16/-	15/32	15/16	16	5	150/-	295/-	2 11/16
5/32	5 81/16	2	8/4	16/-	1/4	15/16	16	5	159/4	315/-	2 3/4
3/16	5 83/16	2	8/9	17/-	15/32	15/16	16	5	168/9	335/-	2 11/16
7/32	5 85/16	2	8/9	17/-	15/32	15/16	16	5	179/2	355/-	2 7/8
1/8	5 87/16	2	9/2	18/-	15/32	15/16	16	5	189/7	375/-	2 15/16
5/32	5 89/16	2	9/2	18/-	1/4	15/16	16	5	200/-	400/-	3
3/16	5 91/16	2	10/-	19/-	15/32	15/16					
7/32	5 93/16	2	10/-	19/-	15/32	15/16					
1/8	5 95/16	2	10/10	20/6	7/8	15/16					
5/32	5 97/16	2	10/10	20/6	7/8	15/16					
3/16	5 99/16	2	11/8	22/-	7/8	15/16					
7/32	5 101/16	2	11/8	22/-	7/8	15/16					
1/8	5 103/16	3	12/6	23/6	15/16	15/16					
5/32	5 105/16	3	12/6	23/6	15/16	15/16					
3/16	5 107/16	3	13/7	25/-	31/32	15/16					
7/32	5 109/16	3	13/7	25/-	31/32	15/16					
1/8	5 111/16	3	14/7	26/6	15/16	15/16					

NOTE.

* Sizes $\frac{1}{16}$, $\frac{3}{32}$ and $\frac{5}{64}$ in. have No. 1 Shank in Carbon Steel, and No. 2 Shank in High Speed Steel Drills.

TWIST DRILLS—*Continued.*

TAPER SHANK.

MILLIMETRE SIZES.

No. 1900M—HIGH SPEED STEEL.

Diameter of Drill. M/M	Decimal Equivalent.	Length Overall.	Each.	Diameter of Drill. M/M.	Decimal Equivalent.	Length Overall.	Each.	Diameter of Drill. M/M.	Decimal Equivalent.	Length Overall.	Each.
			High Speed.				High Speed.				High Speed.
3	.1181"	5 $\frac{1}{8}$ "	5/6	23 $\frac{1}{4}$	.9252"	10 $\frac{1}{2}$ "	23/6	44	1.7323"	16"	102/-
3 $\frac{1}{2}$	.1378"	5 $\frac{1}{4}$ "	5/6	24	.9449"	10 $\frac{1}{8}$ "	25/-	44 $\frac{1}{2}$	1.7519"	16"	104/-
4	.1575"	5 $\frac{3}{8}$ "	5/6	24 $\frac{1}{2}$	.9646"	10 $\frac{3}{8}$ "	25/-	45	1.7717"	16"	106/-
4 $\frac{1}{2}$	.1771"	5 $\frac{1}{2}$ "	5/9	25	.9842"	11"	26/6	45 $\frac{1}{2}$	1.7913"	16 $\frac{1}{4}$ "	109/-
5	.1968"	5 $\frac{5}{8}$ "	5/9	25 $\frac{1}{2}$	1.0039"	11"	26/6	46	1.8110"	16 $\frac{1}{4}$ "	112/-
5 $\frac{1}{2}$	.2165"	6"	5/9	26	1.0236"	11 $\frac{1}{8}$ "	29/-	46 $\frac{1}{2}$	1.8310"	16 $\frac{1}{4}$ "	114/-
6	.2362"	6 $\frac{1}{8}$ "	5/9	26 $\frac{1}{2}$	1.0433"	11 $\frac{1}{4}$ "	30/-	47	1.8504"	16 $\frac{1}{4}$ "	116/-
6 $\frac{1}{2}$	.2559"	6 $\frac{1}{4}$ "	6/-	27	1.0629"	11 $\frac{1}{2}$ "	31/-	47 $\frac{1}{2}$	1.8701"	16 $\frac{1}{2}$ "	120/-
7	.2756"	6 $\frac{3}{8}$ "	6/3	27 $\frac{1}{2}$	1.0827"	11 $\frac{1}{8}$ "	32/-	48	1.8898"	16 $\frac{1}{8}$ "	122/6
7 $\frac{1}{2}$	.2953"	6 $\frac{5}{8}$ "	6/3	28	1.1024"	11 $\frac{3}{8}$ "	34/-	48 $\frac{1}{2}$	1.9094"	16 $\frac{3}{8}$ "	125/-
8	.3149"	6 $\frac{3}{4}$ "	6/3	28 $\frac{1}{2}$	1.1220"	11 $\frac{3}{4}$ "	35/-	49	1.9291"	16 $\frac{1}{2}$ "	130/-
8 $\frac{1}{2}$	.3346"	6 $\frac{7}{8}$ "	6/6	29	1.1417"	11 $\frac{7}{8}$ "	36/-	49 $\frac{1}{2}$	1.9488"	16 $\frac{1}{4}$ "	132/6
9	.3543"	6 $\frac{5}{8}$ "	6/6	29 $\frac{1}{2}$	1.1614"	11 $\frac{1}{8}$ "	37/-	50	1.9685"	16 $\frac{1}{8}$ "	135/-
9 $\frac{1}{2}$	.3740"	6 $\frac{3}{4}$ "	6/6	30	1.1811"	12"	39/-	51	2.0079"	17"	150/-
10	.3937"	7"	7/-	30 $\frac{1}{2}$	1.2008"	12 $\frac{1}{8}$ "	41/-	52	2.0473"	17"	155/-
10 $\frac{1}{2}$	.4134"	7 $\frac{1}{4}$ "	7/-	31	1.2205"	12 $\frac{1}{4}$ "	42/-	53	2.0866"	17"	160/-
11	.4330"	7 $\frac{1}{2}$ "	7/6	31 $\frac{1}{2}$	1.2401"	12 $\frac{1}{2}$ "	44/-	54	2.1259"	17"	165/-
11 $\frac{1}{2}$	.4527"	7 $\frac{3}{4}$ "	8/-	32	1.2598"	14 $\frac{1}{8}$ "	52/-	55	2.1654"	17 $\frac{1}{4}$ "	170/-
12	.4724"	7 $\frac{1}{4}$ "	8/-	32 $\frac{1}{2}$	1.2795"	14 $\frac{1}{4}$ "	53/-	56	2.2047"	17 $\frac{1}{2}$ "	177/6
12 $\frac{1}{2}$	.4921"	7 $\frac{5}{8}$ "	8/6	33	1.2992"	14 $\frac{1}{2}$ "	55/-	57	2.2441"	17 $\frac{1}{4}$ "	185/-
13	.5118"	8"	9/-	33 $\frac{1}{2}$	1.3190"	14 $\frac{3}{8}$ "	57/-	58	2.2835	17 $\frac{1}{2}$ "	192/6
13 $\frac{1}{2}$	.5315"	8"	9/-	34	1.3386"	14 $\frac{3}{4}$ "	58/-	59	2.3228"	18"	200/-
14	.5512"	8 $\frac{1}{4}$ "	9/-	34 $\frac{1}{2}$	1.3583"	14 $\frac{5}{8}$ "	60/-	60	2.3622"	18"	210/-
14 $\frac{1}{2}$	.5708"	8 $\frac{5}{8}$ "	12/-	35	1.3779"	14 $\frac{7}{8}$ "	62/-	61	2.4015"	18 $\frac{1}{4}$ "	217/6
15	.5905"	8 $\frac{3}{4}$ "	12/6	35 $\frac{1}{2}$	1.3977"	14 $\frac{5}{4}$ "	64/-	62	2.4409"	18 $\frac{1}{2}$ "	225/-
15 $\frac{1}{2}$	.6102"	8 $\frac{7}{8}$ "	13/-	36	1.4173"	14 $\frac{7}{8}$ "	66/-	63	2.4803"	19"	235/-
16	.6299"	8 $\frac{1}{2}$ "	13/-	36 $\frac{1}{2}$	1.4370"	14 $\frac{3}{4}$ "	68/-	64	2.5197"	19"	245/-
16 $\frac{1}{2}$	.6496"	9"	13/6	37	1.4567"	14 $\frac{1}{2}$ "	70/-	65	2.5591"	19 $\frac{1}{4}$ "	260/-
17	.6693"	9 $\frac{1}{4}$ "	14/-	37 $\frac{1}{2}$	1.4764"	15"	74/-	66	2.5984"	19 $\frac{1}{2}$ "	275/-
17 $\frac{1}{2}$	.6890"	9 $\frac{1}{2}$ "	14/-	38	1.4961"	15"	76/-	67	2.6378"	19 $\frac{3}{4}$ "	285/-
18	.7086"	9 $\frac{3}{8}$ "	15/-	38 $\frac{1}{2}$	1.5157"	15"	78/-	68	2.6772"	20"	295/-
18 $\frac{1}{2}$	.7283"	9 $\frac{5}{8}$ "	16/-	39	1.5354"	15"	80/-	69	2.7165"	20 $\frac{1}{4}$ "	305/-
19	.7480"	9 $\frac{1}{4}$ "	16/-	39 $\frac{1}{2}$	1.5551"	15 $\frac{1}{8}$ "	84/-	70	2.7559"	20 $\frac{1}{2}$ "	315/-
19 $\frac{1}{2}$	.7677"	9 $\frac{3}{4}$ "	17/-	40	1.5748"	15 $\frac{1}{4}$ "	86/-	71	2.7952"	20 $\frac{1}{4}$ "	325/-
20	.7874"	10"	17/6	40 $\frac{1}{2}$	1.5945"	15 $\frac{1}{2}$ "	88/-	72	2.8347"	20 $\frac{1}{2}$ "	340/-
20 $\frac{1}{2}$	.8071"	10"	18/-	41	1.6142"	15 $\frac{3}{8}$ "	91/-	73	2.8740"	21"	355/-
21	.8267"	10 $\frac{1}{4}$ "	19/-	41 $\frac{1}{2}$	1.6338"	15 $\frac{5}{8}$ "	93/6	74	2.9134"	21"	370/-
21 $\frac{1}{2}$	.8464"	10 $\frac{1}{2}$ "	19/-	42	1.6536"	15 $\frac{3}{4}$ "	95/-	75	2.9527"	21"	385/-
22	.8661"	10 $\frac{5}{8}$ "	20/6	42 $\frac{1}{2}$	1.6733"	15 $\frac{1}{2}$ "	96/6	76	2.9921"	22"	400/-
22 $\frac{1}{2}$	.8858"	10 $\frac{7}{8}$ "	22/-	43	1.6929"	15 $\frac{1}{4}$ "	98/-				
23	.9055"	10 $\frac{3}{4}$ "	22/-	43 $\frac{1}{2}$	1.7125	15 $\frac{1}{8}$ "	101/-				

MORSE TAPER SHANKS AS FOLLOWS :—

No. 1 Shank, 3 m/m to 14 m/m inclusive.
No. 2 Shank, 14 $\frac{1}{2}$ m/m to 23 m/m inclusive.
No. 3 Shank, 23 $\frac{1}{2}$ m/m to 31 $\frac{1}{2}$ m/m inclusive.

No. 4 Shank, 32 m/m to 50 m/m inclusive.
No. 5 Shank, 51 m/m to 76 m/m inclusive.

STRAIGHT SHANK JOBBER DRILLS.

MILLIMETRE SIZES.

No. 1901M—HIGH SPEED STEEL.

Diameter of Drill. M/M	Decimal Equivalent.	Length of Drill. M/M.	Each.	Diameter of Drill. M/M.	Decimal Equivalent.	Length of Drill. M/M.	Each.	Diameter of Drill. M/M.	Decimal Equivalent.	Length of Drill. M/M.	Each.
			High Speed.				High Speed.				High Speed.
1	.0393"	41	1/1	5 $\frac{1}{2$							

TWIST DRILL SOCKETS.

FOR TAPER SHANK TWIST DRILLS.



Rough Shank.



Finished Shank.



Sleeve.

ROUGH SHANKS.

Size.	Morse Tap Hole in End.	For Drills. Inches.	Price Each.
No. 1	No. 1	$\frac{1}{16}$ to $\frac{1}{8}$	3/9
.. 2	.. 2	$\frac{5}{64}$ to $\frac{2}{32}$	5/8
.. 3	.. 3	$\frac{3}{32}$ to $\frac{11}{64}$	7/9
.. 4	.. 4	$1\frac{1}{32}$ to 2	12/6
.. 5	.. 5	$2\frac{1}{16}$ to 3	23/6

FINISHED SHANKS.

Size.	Description.	For Drills. Inches.	Price Each.
No. 1 × 2	No. 1 Hole & No. 2 Shank	$\frac{1}{16}$ to $\frac{1}{8}$	6/3
2 × 3	No. 2 Hole & No. 3 Shank	$\frac{5}{64}$ to $\frac{3}{32}$	7/9
3 × 4	No. 3 Hole & No. 4 Shank	$\frac{3}{32}$ to $\frac{11}{64}$	10/-
4 × 5	No. 4 Hole & No. 5 Shank	$1\frac{1}{32}$ to 2	15/-

SLEEVES.

No.	For Drills. Inches.	Price Each.
1 × 2	$\frac{1}{16}$ to $\frac{1}{8}$	2/3
2 × 3	$\frac{5}{64}$ to $\frac{3}{32}$	3/-
3 × 4	$\frac{3}{32}$ to $\frac{11}{64}$	3/9
4 × 5	$1\frac{1}{32}$ to 2	5/6
5 × 6	$2\frac{1}{16}$ to 3	35/3



No. 1901.

STRAIGHT SHANK TWIST DRILLS.

No. 1901—CARBON STEEL.

No. 1901 H.S.—HIGH SPEED STEEL.

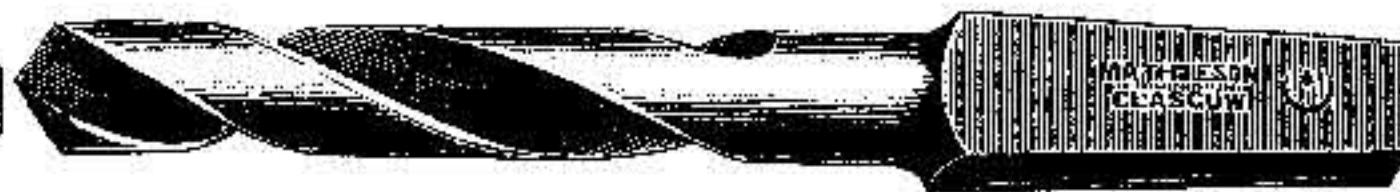
No. 1901S—STUB'S STEEL WIRE GAUGE.

Diameter. Inches.	Length Overall, Inches.	Price per Dozen.	Diameter. Inches.	Stub's Steel Wire Gauge No.	Decimal Equiva- lent, Inches.	Length of Twist, Inches.	Length Overall, Inches.	Price per Dozen.	Stub's Steel Wire Gauge No.	Decimal Equiva- lent, Inches.	Length of Twist, Inches.	Length Overall, Inches.	Price per Dozen.	
$\frac{1}{32}$	1 $\frac{1}{2}$	6/3	—	32	.027	2 $\frac{13}{16}$	4	11/6	31	.120	1 $\frac{7}{16}$	2 $\frac{1}{2}$	7/4	
$\frac{3}{64}$	6/6	—	—	64	1	219	2 $\frac{13}{16}$	4	11/6	32	.115	1 $\frac{7}{16}$	2 $\frac{1}{2}$	7/4
$\frac{5}{64}$	6/8	14/-	$\frac{1}{16}$	80	2	212	2 $\frac{13}{16}$	4	11/6	33	.112	1 $\frac{7}{16}$	2 $\frac{1}{2}$	7/4
$\frac{7}{64}$	6/11	15/-	$\frac{3}{32}$	96	3	207	2 $\frac{13}{16}$	4	11/6	34	.110	1 $\frac{7}{16}$	2 $\frac{1}{2}$	7/4
$\frac{9}{64}$	7/1	16/-	$\frac{3}{32}$	112	4	204	2 $\frac{13}{16}$	4	11/6	35	.108	1 $\frac{7}{16}$	2 $\frac{1}{2}$	7/4
$\frac{11}{64}$	7/4	16/-	$\frac{7}{64}$	128	5	201	2 $\frac{13}{16}$	3 $\frac{1}{2}$	10/5	36	.106	1 $\frac{7}{16}$	2 $\frac{1}{2}$	7/4
$\frac{13}{64}$	7/6	17/-	$\frac{1}{8}$	144	6	199	2 $\frac{9}{16}$	3 $\frac{1}{2}$	10/5	37	.103	1 $\frac{7}{16}$	2 $\frac{1}{2}$	7/4
$\frac{15}{64}$	7/9	18/-	$\frac{5}{64}$	160	7	197	2 $\frac{9}{16}$	3 $\frac{1}{2}$	10/5	38	.101	1 $\frac{7}{16}$	2 $\frac{1}{2}$	7/4
$\frac{17}{64}$	7/11	19/-	$\frac{5}{32}$	176	8	194	2 $\frac{9}{16}$	3 $\frac{1}{2}$	10/5	39	.099	1 $\frac{7}{16}$	2 $\frac{1}{2}$	7/4
$\frac{19}{64}$	8/4	20/-	$\frac{3}{16}$	192	9	191	2 $\frac{9}{16}$	3 $\frac{1}{2}$	10/5	40	.097	1 $\frac{7}{16}$	2 $\frac{1}{2}$	7/4
$\frac{21}{64}$	9/5	21/-	$\frac{3}{16}$	208	10	188	2 $\frac{9}{16}$	3 $\frac{1}{2}$	10/5	41	.095	1 $\frac{7}{16}$	2 $\frac{1}{2}$	7/1
$\frac{23}{64}$	10/5	23/-	$\frac{13}{64}$	224	11	185	2 $\frac{9}{16}$	3 $\frac{1}{2}$	9/5	42	.092	1 $\frac{7}{16}$	2 $\frac{1}{2}$	7/1
$\frac{25}{64}$	11/6	24/-	$\frac{7}{32}$	240	12	182	2 $\frac{9}{16}$	3 $\frac{1}{2}$	9/5	43	.088	1 $\frac{7}{16}$	2 $\frac{1}{2}$	7/1
$\frac{27}{64}$	12/6	27/-	$\frac{1}{4}$	256	13	180	2 $\frac{9}{16}$	3 $\frac{1}{2}$	9/5	44	.085	1 $\frac{7}{16}$	2 $\frac{1}{2}$	7/1
$\frac{29}{64}$	13/6	29/-	$\frac{1}{4}$	272	14	178	2 $\frac{9}{16}$	3 $\frac{1}{2}$	9/5	45	.081	1 $\frac{7}{16}$	2 $\frac{1}{2}$	7/1
$\frac{31}{64}$	14/7	31/-	$\frac{1}{4}$	288	15	175	2 $\frac{9}{16}$	3 $\frac{1}{2}$	8/4	46	.079	1	1 $\frac{7}{16}$	6/11
$\frac{33}{64}$	15/10	33/-	$\frac{9}{32}$	304	16	172	2 $\frac{9}{16}$	3 $\frac{1}{2}$	8/4	47	.077	1	1 $\frac{7}{16}$	6/11
$\frac{35}{64}$	16/8	36/-	$\frac{5}{32}$	320	17	168	2 $\frac{9}{16}$	3 $\frac{1}{2}$	8/4	48	.075	1	1 $\frac{7}{16}$	6/11
$\frac{37}{64}$	18/2	39/-	$\frac{5}{16}$	336	18	164	2 $\frac{9}{16}$	3 $\frac{1}{2}$	8/4	49	.072	1	1 $\frac{7}{16}$	6/11
$\frac{39}{64}$	19/7	42/-	$\frac{21}{32}$	352	19	161	2 $\frac{9}{16}$	3 $\frac{1}{2}$	8/4	50	.069	1	1 $\frac{7}{16}$	6/11
$\frac{41}{64}$	21/-	45/-	$\frac{11}{32}$	368	20	157	1 $\frac{7}{8}$	3	7/11	51	.066	$\frac{13}{16}$	6/8	6/8
$\frac{43}{64}$	23/-	48/-	$\frac{3}{8}$	384	21	155	1 $\frac{7}{8}$	3	7/11	52	.063	$\frac{13}{16}$	6/8	6/8
$\frac{45}{64}$	25/-	51/-	$\frac{3}{8}$	400	22	153	1 $\frac{7}{8}$	3	7/11	53	.068	$\frac{13}{16}$	6/8	6/8
$\frac{47}{64}$	27/-	54/-	$\frac{21}{32}$	416	23	151	1 $\frac{7}{8}$	3	7/11	54	.065	$\frac{13}{16}$	6/8	6/8
$\frac{49}{64}$	29/2	57/-	$\frac{13}{32}$	432	24	148	1 $\frac{7}{8}$	3	7/11	55	.060	$\frac{13}{16}$	6/8	6/8
$\frac{51}{64}$	32/3	60/-	$\frac{3}{8}$	448	25	146	1 $\frac{7}{8}$	2 $\frac{1}{2}$	7/6	56	.045	$\frac{13}{16}$	6/8	6/8
$\frac{53}{64}$	35/6	60/-	$\frac{7}{16}$	464	26	143	1 $\frac{7}{8}$	2 $\frac{1}{2}$	7/6	57	.042	$\frac{13}{16}$	6/8	6/6
$\frac{55}{64}$	38/6	63/-	$\frac{21}{32}$	480	27	139	1 $\frac{7}{8}$	2 $\frac{1}{2}$	7/6	58	.041	$\frac{13}{16}$	6/6	6/6
$\frac{57}{64}$	41/8	66/-	$\frac{15}{32}$	496	28	134	1 $\frac{7}{8}</$							

TWIST DRILLS.



No. 1902.



No. 1905.

TWIST DRILLS, WITH $\frac{1}{2}$ INCH PARALLEL SHANKS.

Diameter. Inches.	Length of Twist. Inches.	Length Overall, Inches.	Price Each.
$\frac{1}{8}$	1 $\frac{13}{16}$	4 $\frac{1}{2}$	1/11
$\frac{5}{32}$	2 $\frac{1}{16}$	4 $\frac{1}{2}$	1/11
$\frac{3}{16}$	2 $\frac{5}{16}$	5 $\frac{1}{8}$	2/1
$\frac{7}{32}$	2 $\frac{11}{16}$	5 $\frac{7}{16}$	2/4
$\frac{1}{4}$	3	6 $\frac{1}{8}$	2/6
$\frac{9}{32}$	3 $\frac{1}{16}$	6 $\frac{1}{4}$	2/9
$\frac{5}{16}$	3 $\frac{1}{4}$	6 $\frac{1}{2}$	2/11
$\frac{11}{32}$	3 $\frac{3}{8}$	6 $\frac{3}{4}$	3/2
$\frac{3}{8}$	3 $\frac{1}{2}$	6 $\frac{1}{4}$	3/4
$\frac{13}{32}$	3 $\frac{5}{8}$	7	3/6
$\frac{7}{16}$	4 $\frac{1}{8}$	7 $\frac{1}{4}$	3/9
$\frac{15}{32}$	4 $\frac{3}{16}$	7 $\frac{1}{2}$	4/1
$\frac{1}{2}$	4 $\frac{1}{2}$	7 $\frac{1}{4}$	4/2
$\frac{17}{32}$	4 $\frac{9}{16}$	8	4/5
$\frac{9}{16}$	5 $\frac{1}{16}$	8 $\frac{1}{4}$	4/7
$\frac{19}{32}$	5 $\frac{3}{16}$	8 $\frac{1}{2}$	4/10
$\frac{5}{8}$	5 $\frac{1}{8}$	8 $\frac{3}{4}$	5/-
$\frac{21}{32}$	5 $\frac{5}{16}$	8 $\frac{5}{8}$	5/3
$\frac{11}{16}$	5 $\frac{11}{16}$	8 $\frac{1}{2}$	5/3
$\frac{23}{32}$	5 $\frac{13}{16}$	8 $\frac{3}{4}$	5/5
$\frac{13}{16}$	6 $\frac{1}{16}$	8 $\frac{5}{8}$	5/8
$\frac{25}{32}$	6 $\frac{3}{16}$	8 $\frac{1}{2}$	5/8
$\frac{1}{2}$	6 $\frac{1}{2}$	8 $\frac{1}{4}$	5/10
$\frac{27}{32}$	6 $\frac{11}{16}$	8 $\frac{3}{4}$	5/10
$\frac{15}{16}$	6 $\frac{13}{16}$	8 $\frac{5}{8}$	5/10
$\frac{29}{32}$	6 $\frac{15}{16}$	9	6/-
$\frac{17}{16}$	6 $\frac{1}{8}$	9 $\frac{1}{4}$	6/-
$\frac{31}{32}$	6 $\frac{1}{4}$	9 $\frac{1}{2}$	6/3
$\frac{19}{16}$	6 $\frac{5}{16}$	9 $\frac{3}{4}$	6/6
$\frac{33}{32}$	6 $\frac{11}{16}$	9 $\frac{5}{8}$	7/-
$\frac{21}{16}$	6 $\frac{13}{16}$	9 $\frac{1}{2}$	7/4
$\frac{35}{32}$	6 $\frac{15}{16}$	9 $\frac{3}{4}$	7/11
$\frac{23}{16}$	6 $\frac{1}{8}$	9 $\frac{5}{8}$	8/7
$\frac{37}{32}$	6 $\frac{1}{4}$	9 $\frac{1}{2}$	9/2
$\frac{25}{16}$	6 $\frac{5}{16}$	9 $\frac{3}{4}$	9/7
$\frac{39}{32}$	6 $\frac{11}{16}$	9 $\frac{5}{8}$	10/-
$\frac{27}{16}$	6 $\frac{13}{16}$	9 $\frac{1}{2}$	10/8
$\frac{41}{32}$	6 $\frac{15}{16}$	9 $\frac{3}{4}$	12/9
$\frac{29}{16}$	6 $\frac{1}{8}$	9 $\frac{5}{8}$	13/6
$\frac{43}{32}$	6 $\frac{1}{4}$	9 $\frac{1}{2}$	14/9
$\frac{31}{16}$	6 $\frac{5}{16}$	9 $\frac{3}{4}$	15/9
$\frac{45}{32}$	6 $\frac{11}{16}$	9 $\frac{5}{8}$	17/3
$\frac{33}{16}$	6 $\frac{13}{16}$	9 $\frac{1}{2}$	17/3

RATCHET BRACE TWIST DRILLS.

SQUARE TAPER SHANKS.

Diameter. Inches.	Length Overall, Inches.	Square Taper Shank, $1\frac{1}{2}$ " long $\times \frac{5}{8}$ ", Tapering to $\frac{1}{2}$ ".	Square Taper Shank, $1\frac{1}{2}$ " long $\times \frac{3}{4}$ ", Tapering to $\frac{3}{8}$ ".
$\frac{1}{8}$	4	3/9	3/9
$\frac{3}{32}$	4 $\frac{1}{8}$	4/-	4/-
$\frac{5}{32}$	4 $\frac{3}{8}$	4/-	4/-
$\frac{7}{32}$	4 $\frac{11}{16}$	4/2	4/2
$\frac{9}{32}$	4 $\frac{13}{16}$	4/2	4/2
$\frac{11}{32}$	5	4/5	4/5
$\frac{13}{32}$	5 $\frac{1}{2}$	4/7	4/7
$\frac{15}{32}$	5 $\frac{3}{4}$	4/10	4/10
$\frac{17}{32}$	6	5/-	5/-
$\frac{19}{32}$	6 $\frac{1}{2}$	5/3	5/3
$\frac{21}{32}$	6 $\frac{3}{4}$	5/3	5/3
$\frac{23}{32}$	6 $\frac{5}{8}$	5/5	5/5
$\frac{25}{32}$	6 $\frac{1}{2}$	5/8	5/8
$\frac{27}{32}$	6 $\frac{1}{4}$	5/8	5/8
$\frac{29}{32}$	6 $\frac{1}{2}$	5/10	5/10
$\frac{31}{32}$	6 $\frac{3}{4}$	5/10	5/10
$\frac{1}{2}$	6 $\frac{1}{2}$	6/-	6/-
$\frac{33}{32}$	6 $\frac{3}{4}$	6/-	6/-
$\frac{15}{16}$	6 $\frac{1}{2}$	6/3	6/3
$\frac{35}{32}$	6 $\frac{3}{4}$	6/6	6/6
$\frac{17}{16}$	7	7/-	7/-
$\frac{37}{32}$	7 $\frac{1}{2}$	7/4	7/4
$\frac{21}{16}$	7 $\frac{3}{4}$	7/11	7/11
$\frac{39}{32}$	8	8/7	8/7
$\frac{23}{16}$	8 $\frac{1}{2}$	9/2	9/2
$\frac{41}{32}$	8 $\frac{3}{4}$	9/7	9/7
$\frac{25}{16}$	8 $\frac{5}{8}$	10/-	10/-
$\frac{43}{32}$	8 $\frac{1}{2}$	10/8	10/8
$\frac{31}{16}$	8 $\frac{3}{4}$	12/9	12/9
$\frac{45}{32}$	9	13/6	13/6
$\frac{33}{16}$	9 $\frac{1}{2}$	14/9	14/9
$\frac{47}{32}$	9 $\frac{3}{4}$	15/9	15/9
$\frac{35}{16}$	9 $\frac{5}{8}$	17/3	17/3

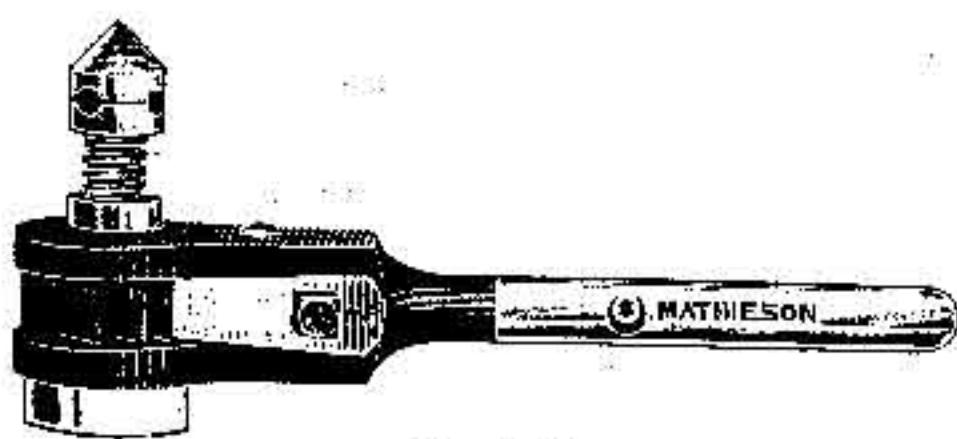


No. 1904.

BIT STOCK TWIST DRILLS.

SQUARE TAPER SHANK FOR BRACE.

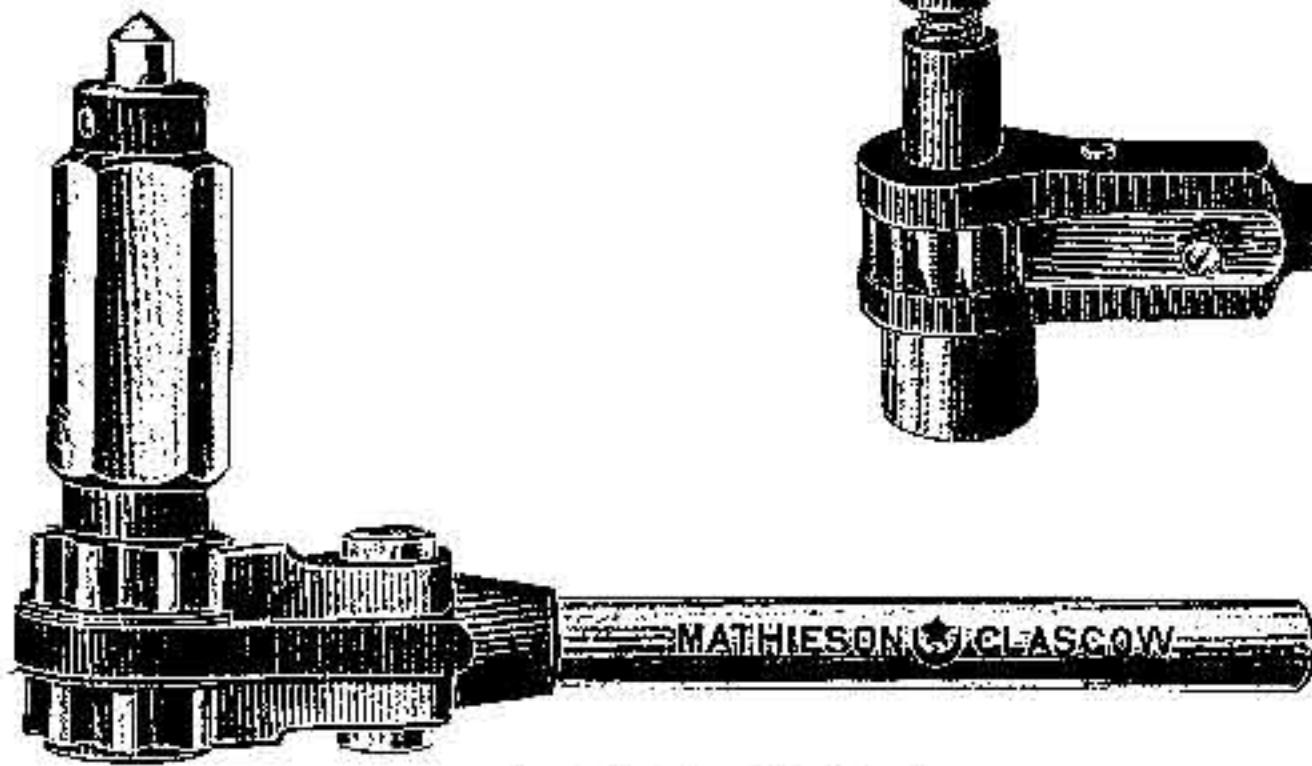
Diameter. Inches.	Length Overall. Inches.	Price per Dozen.	Diameter. Inches.	Length Overall. Inches.	Price per Dozen.	Diameter. Inches.	Length Overall. Inches.	Price per Dozen.
$\frac{1}{16}$	3 $\frac{5}{16}$	10/6	$\frac{5}{32}$	5 $\frac{1}{4}$	25/-	$\frac{1}{8}$	7	54/3
$\frac{3}{32}$	3 $\frac{9}{16}$	11/3	$\frac{5}{16}$	5 $\frac{1}{2}$	29/3	$\frac{3}{16}$	7 $\frac{1}{4}$	59/6
$\frac{1}{8}$	3 $\frac{13}{16}$	12/6	$\frac{1}{4}$	5 $\frac{3}{4}$	33/6	$\frac{9}{16}$	7 $\frac{1}{2}$	64/9
$\frac{5}{32}$	4 $\frac{1}{16}$	14/9	$\frac{3}{8}$	6	35/6	$\frac{5}{8}$	7 $\frac{1}{4}$	75/-
$\frac{3}{16}$	4 $\frac{5}{16}$	16/9	$\frac{13}{32}$	6 $\frac{1}{4}$	38/6	$\frac{11}{16}$	7 $\frac{1}{2}$	87/6
$\frac{7}{32}$	4 $\frac{3}{4}$	18/9	$\frac{7}{16}$	6 $\frac{1}{2}$	43/9	$\frac{3}{4}$	7 $\frac{1}{2}$	100/-
$\frac{1}{4}$	5	21/-	$\frac{15}{32}$	6 $\frac{5}{8}$	49/-	These will drill either Wood or Metal		

RATCHET BRACES.

No. 3 S.



No. 4.



No. 3.



No. 04—Double Pawl.

RATCHET BRACES.

No. 3—Ratchet Brace, with Spring and Shifting Screw—

Size,	12	14	15	16	18	20	22	inch.
Square Sockets,	5/8	5/8	—	3/4	3/4	3/4	5/8	"
Price,	20/3	21/-	—	24/-	27/-	30/-	33/-	each.

No. 4—Ratchet Brace, with Spring and Shifting Screw in Box—

Size,	12	14	15	16	18	20	22	24	27	inch.
Square Sockets,	5/8	5/8	—	3/4	3/4	3/4	5/8	5/8	5/8	"
Price,	20/3	21/-	—	24/-	27/-	30/-	33/-	36/-	40/6	each.

No. 4T—Morse Taper Sockets, No. 1

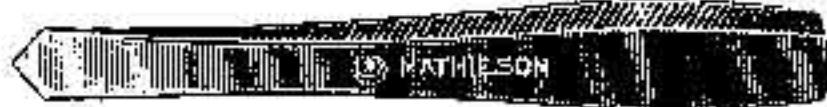
Price,	33/9	—	42/-	—	50/3	—	—	67/6	—	each.
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No. 04—Double Pawl, Square Sockets, Weston's Pattern

Price,	30/-	32/3	—	35/3	39/-	42/9	46/-	56/3	—	,"
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Ratchet Braces, with Short Heads for confined spaces, all with 5/8-in. Sockets—

Size,	8	10	12	inch.
No. 3ss—2 3/4 in. across Heads,	20/3	20/3	20/3	each.
No. 3s—3 1/2 in. across Heads,	20/3	20/3	20/3	,"



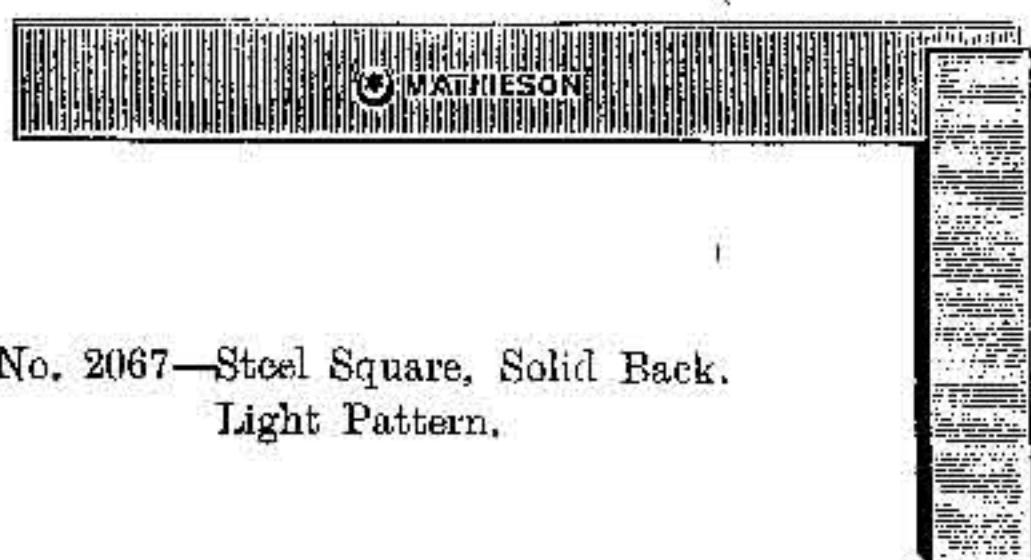
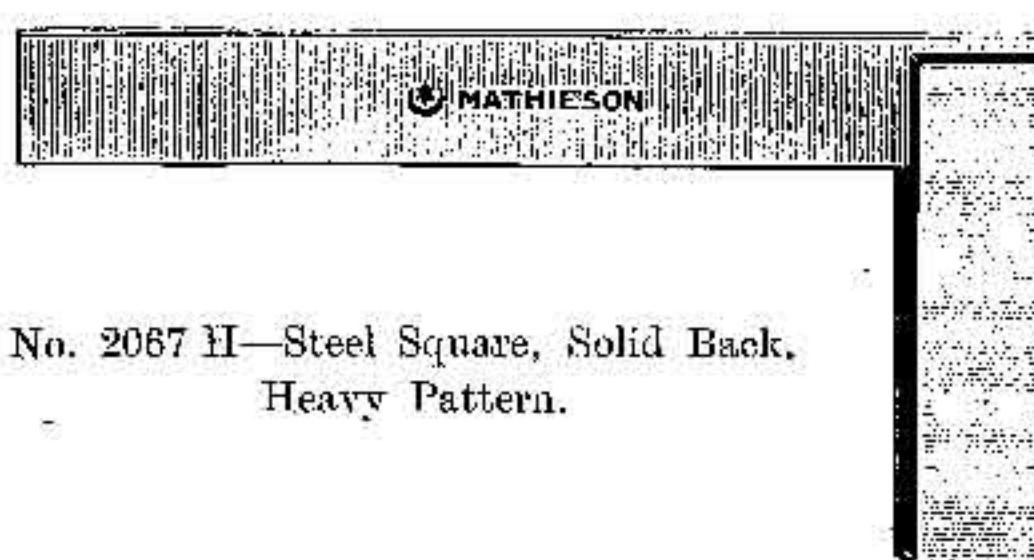
No. 1950—Drill.

RATCHET BRACE DRILLS, Best Cast Steel.

To ...	5/8	3/2	7/8	1	1 1/8	1 1/4	1 1/2	inch.
No. 1950—5/8 in. Tang,	27/-	29/3	31/6	32/6	33/9	38/3	43/9	49/6 per dozen.
No. 1950A—3/4 in. Tang,	29/3	31/6	33/9	36/-	38/3	43/9	49/6	56/3 ,,"
No. 1950B—7/8 in. Tang,	40/6	42/9	45/-	47/3	58/6	63/-	67/6	72/- ,,"

Extra—For Fitting to Ratchets, 3/4 per dozen.

ENGINEERS' SQUARES, Etc.

No. 2067—Steel Square, Solid Back,
Light Pattern.No. 2067 H—Steel Square, Solid Back,
Heavy Pattern.

SQUARES.

Size,	3	3½	4	4½	5	5½	6	7	8	9	10	12	inch.
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No. 2067—Steel Squares, Solid Back, Light Pattern,) 30/2 32/9 34/2 35/6 36/9 38/- 40/9 44/9 52/6 60/3 68/3 78/9 per doz.
No. 2067H—Steel Squares, Solid Back, Heavy Pattern,)



No. 2085—Centre Punch, Round.



No. 2086—Centre Punch, Octagon.

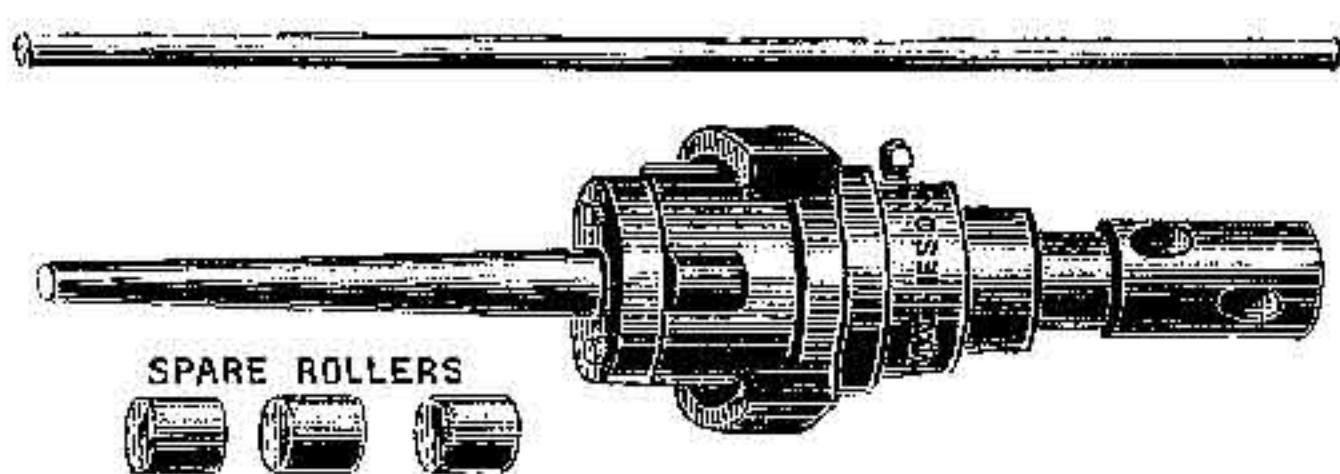


No. 2086A—Centre Punch, Knurled.

CENTRE PUNCHES.

No.							⁹/₁₆	³/₄	⁷/₁₆	¹/₂	inch.
2085—Round, Black,	....	....	....	....	....	....	6/6	7/3	7/9	8/6	per doz.
2086—Octagon, Bright,	....	....	....	....	....	....	10/9	11/3	13/3	14/-	,
2086A—Knurled—4 in. long × ⁵/₈ in. diar. Body,	....	....	....	....	....	....	—	—	—	4/6	,

TUBE EXPANDERS AND RIVET SNAPS.



No. 2173—Tube Expander, Dudgeon's Pattern.



No. 2175—Rivet Snap.

TUBE EXPANDERS.

Measured by External Diameter of Tube.

Size,	1	1½	1¾	1⅓	1⅔	1⅔	2	2½	2¼	2¾	2½	2¾	2¾	3	3½	3¼	3¾	3½	3¾	4	inch.
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No. 2173—.....} 15/- 15/- 15/- 15/- 17/3 17/6 17/6 20/9 22/- 24/3 27/- 29/3 32/- 34/6 37/- 38/9 40/9 42/- 46/- 48/6 51/6 53/6 56/- 58/6 ea.
Dudgeon's Pattern, J

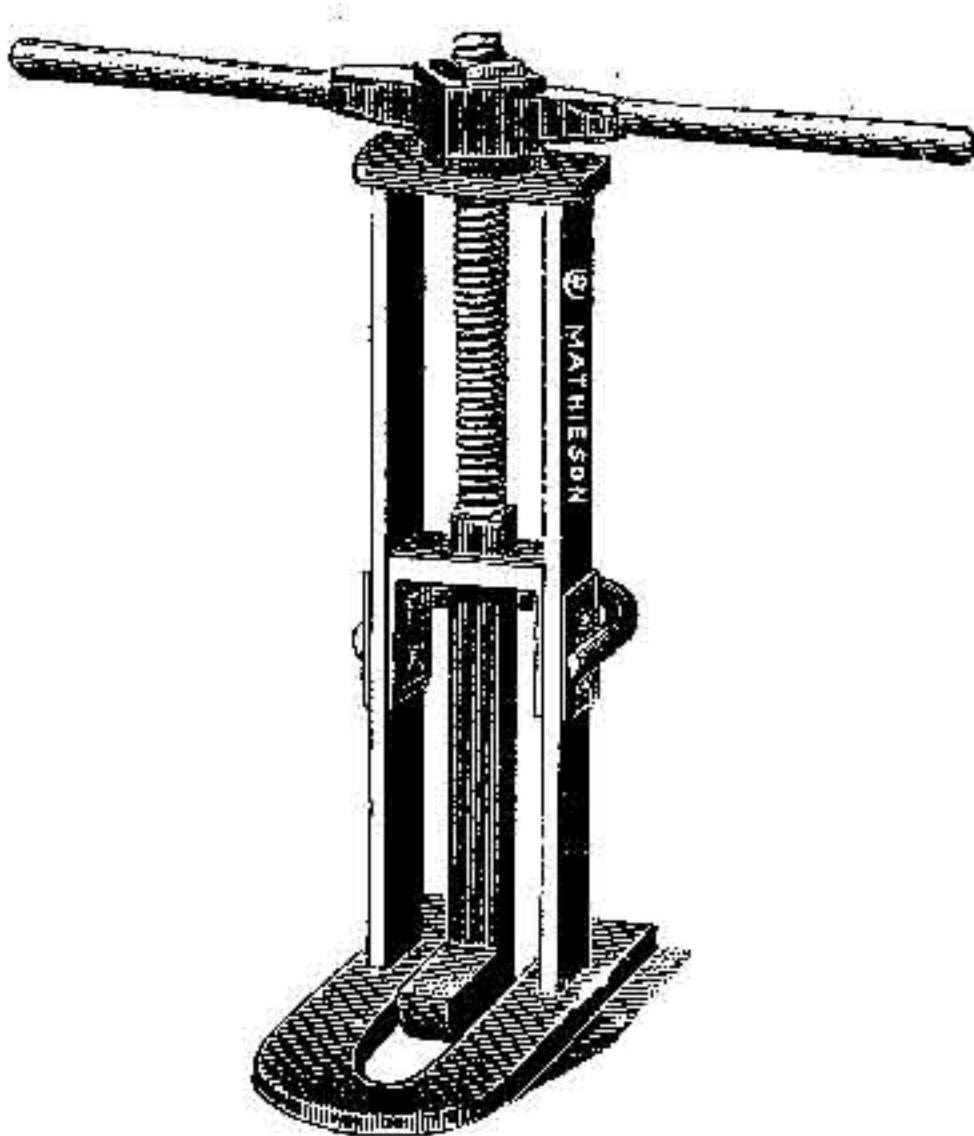
RIVET SNAPS.

For Rivets,	⁹/₁₆	¹/₂	⁹/₁₆	³/₄	⁹/₁₆	²/₃	¹/₂	¹/₂	¹/₂	inch.
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Size of Cup,	⁹/₁₆	¹/₂	¹/₂	¹/₄	¹/₄	¹/₄	¹/₄	¹/₄	¹/₄	,
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No.	2175—Rivet Snaps,	1/11	1/9½	1/8	1/7	1/5½	1/5½	per lb.
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LIFTING JACKS.

A 1—Bottle Jack,
Cast Iron Frame.A 3—Short Lift
Bottle Jack.A 2—Cape Waggon Jack,
Cast Iron Frame.L—Rail Jack,
Scotch Pattern.

BOTTLE JACK (A 1).

Cast Iron Frame.

	To Lift	1	2	3	4	5	6	8	10 Tons.
Diameter of Screw,	1½	1½	1½	1½	1½	2	2½	2½ inch.
Height when down,	8½	12½	12½	15	15	18	21½	24 ,,
Height of Lift,	2	5½	5½	6	6	7½	10	13 ,,
Price,	11/6	15/-	15/6	19/9	21/-	23/6	30/6	37/3 each.

SHORT LIFT BOTTLE JACK (A 3).

Cast Iron Frame.

	To Lift	2	6	12 Tons.
Diameter of Screw,	1½	2	2½ inch.
Height when down,	7	9	12 ,,
Height of Lift,	1½	2½	5 ,,
Price,	16/9	26/3	48/6 each.

CAPE WAGGON JACK (A 2).

Cast Iron Frame.

	To Lift	2	3	4	5	6	8	10 Tons.
Diameter of Screw,	1½	1½	1½	1½	2	2½	2½ inch.
Height when down,	13	13	15	15	18	21	24 ,,
Price,	18/-	19/3	24/-	25/3	30/-	37/3	43/3 each.
Levers for do.,	14/6	16/3	19/3	21/6	26/3	28/9	31/3 per doz.

PLATELAYERS' RAIL LIFTING JACK.

No. 1—Scotch Pattern, Height when down, 29 in.; Diameter of Screw, 1½ in.,

139/6 each.

CAST STEEL COLD CHISELS.



No. 1750.

Cutting Edge,	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	1 $\frac{1}{2}$ inch.
Length, ...	6	7	8	8	9	9	9	9
No. 1750—Cold Chisels, Best Cast Steel, ...	12/3	12/3	16/-	19/3	22/3	23/6	28/6	34/6 per doz.



No. 2090—Chisel for Corrugated Iron.



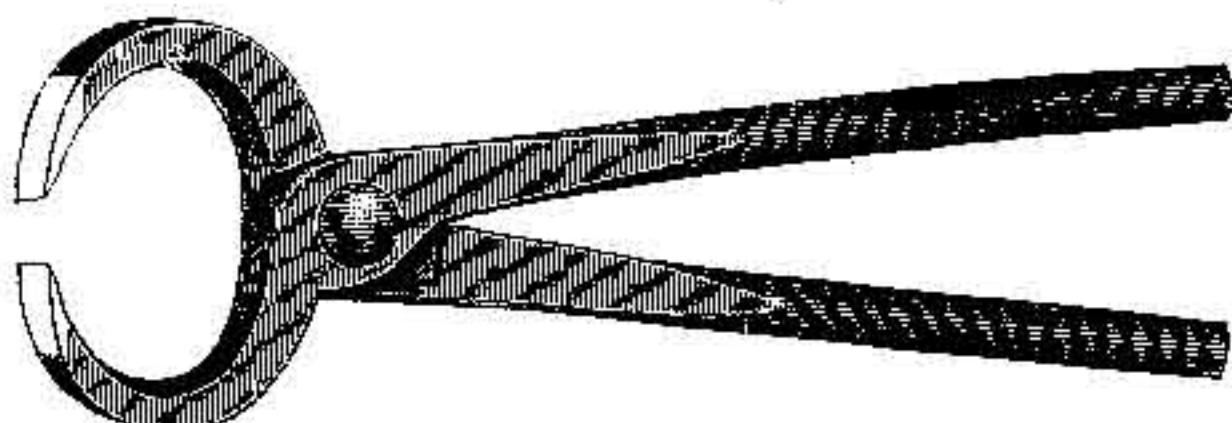
No. 2091—Punch for Corrugated Iron.

No. 2090—Chisels, for Cutting Galvanised or Corrugated Iron,
No. 2091—Punches, for Hitting Galvanised or Corrugated Iron,

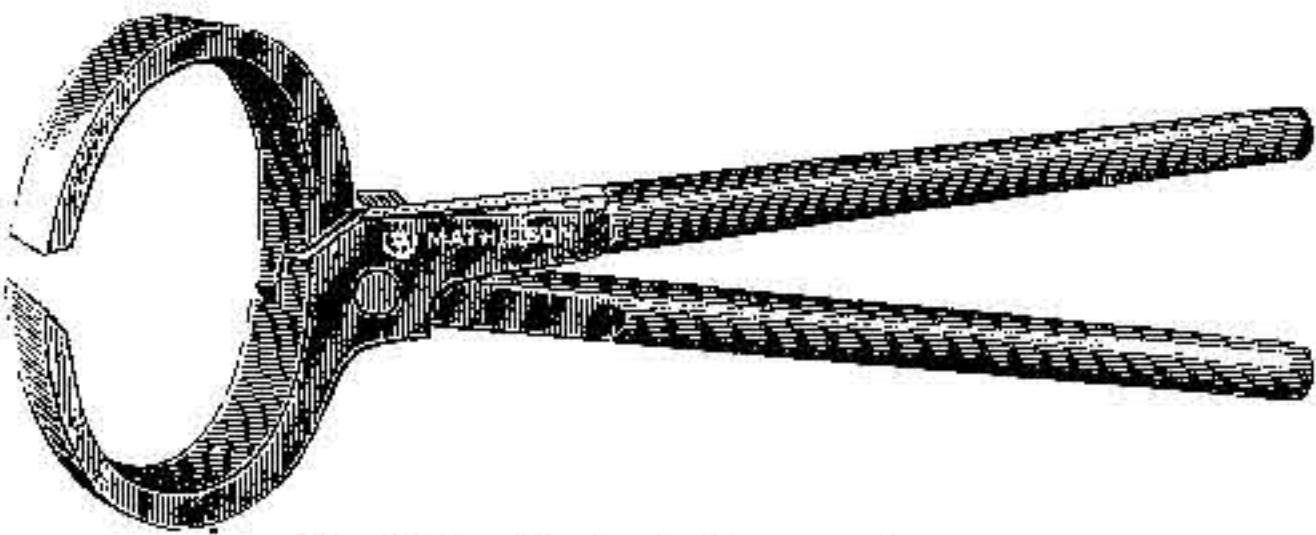
2/7 per lb.

16/6 „ doz.

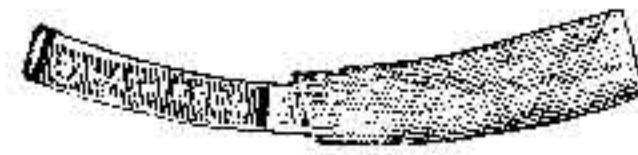
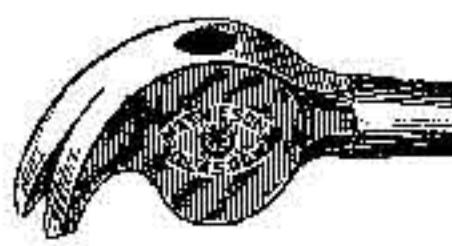
FARRIERS' TOOLS.



No. 2268—Farriers' Pincers, Common.



No. 2270—Farriers' Pincers, Best.

No. 2278.
Farriers' Buffer.No. 2273.
Farriers' Knife.No. 2271.
Farriers' Claw Hammer,
Scotch Pattern.No. 2275.
Farriers' Toe Knife,
Straight.No. 2279.
Farriers' Swage.

No.								10	12	14	inch.
2268—Farriers' Pincers, Common, ...	....	....	....	....	....	....	....	55/-	80/-	—	per doz.
2270—Farriers' Pincers, Solid Cast Steel, Best Quality, ...	....	....	....	....	....	....	....	—	168/-	171/-	„

FARRIERS' PINCERS.

No.								8	10	12	14	16 oz.
2271—Solid Cast Steel, Scotch Pattern, ...	....	....	....	....	....	....	....	79/6	79/6	85/-	87/9	93/- per doz.
2271H—Solid Cast Steel, Scotch Pattern, Handled, ...	....	....	....	....	....	....	....	94/6	94/6	100/-	102/9	108/- „

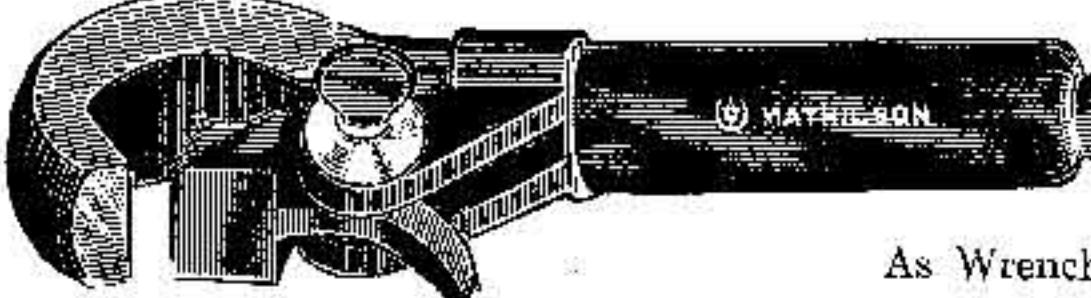
FARRIERS' CLAW HAMMERS.

No.								8	10	12	14	16 oz.
2271—Solid Cast Steel, Scotch Pattern, ...	....	....	....	....	....	....	....	79/6	79/6	85/-	87/9	93/- per doz.
2271H—Solid Cast Steel, Scotch Pattern, Handled, ...	....	....	....	....	....	....	....	94/6	94/6	100/-	102/9	108/- „

FARRIERS' KNIVES, SWAGES, BUFFERS, &c.

No.												
2273—Farriers' Knives, Bone Handle, ...	....	....	....	....	....	....	....	....	....	....	....	17/9 per doz.
2273S—Farriers' Knives, Stag Handle, ...	....	....	....	....	....	....	....	....	....	....	....	23/4 „
2274—Farriers' Searchers, Bone Handle, ...	....	....	....	....	....	....	....	....	....	....	....	17/9 „
2274S—Farriers' Searchers, Stag Handle, ...	....	....	....	....	....	....	....	....	....	....	....	23/4 „
2275—Farriers' Toe Knives, ...	....	....	....	....	....	....	....	....	....	....	....	45/- „
2278—Farriers' Buffers or Clench Knives, ...	....	....	....	....	....	....	....	....	....	....	....	63/- „
2279—Farriers' Swages or Seammers, $\frac{3}{8}$, 1, or $1\frac{1}{8}$ inch, ...	....	....	....	....	....	....	....	....	....	....	....	62/6 „
2280—Farriers' Punches or Pitchels, ...	....	....	....	....	....	....	....	....	....	....	....	24/9 „

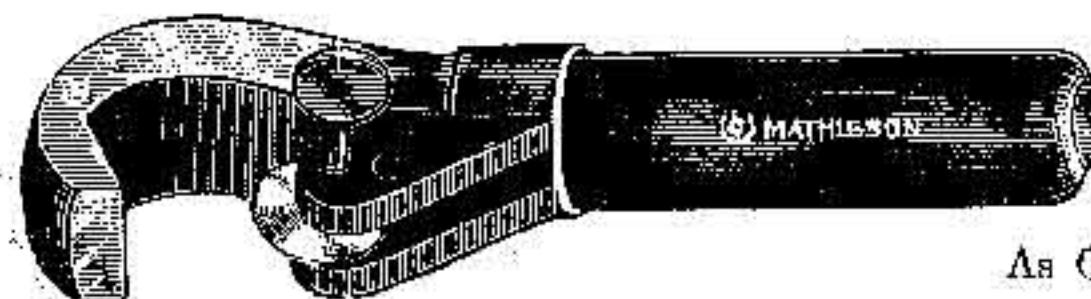
PIPE CUTTERS AND WRENCHES.



As Wrench.

GAS PIPE WRENCHES AND CUTTERS COMBINED.

	No.	1	2	3	
	Size, ...	$\frac{1}{2}$ to 1	$1\frac{1}{4}$ to 2	$2\frac{1}{4}$ to $3\frac{1}{2}$ inch.	
No. 2300—Pipe Wrenches and Cutters,	23/6	35/-	46/9 each.	
No. 2301—Extra Cutter Wheels,	1/-	1/5	1/5 "	
No. 2301A—Spare Pins for Cutters,	6/-	8/8	9/- dozen.	



As Cutter.

No. 1



No. 2



No. 3



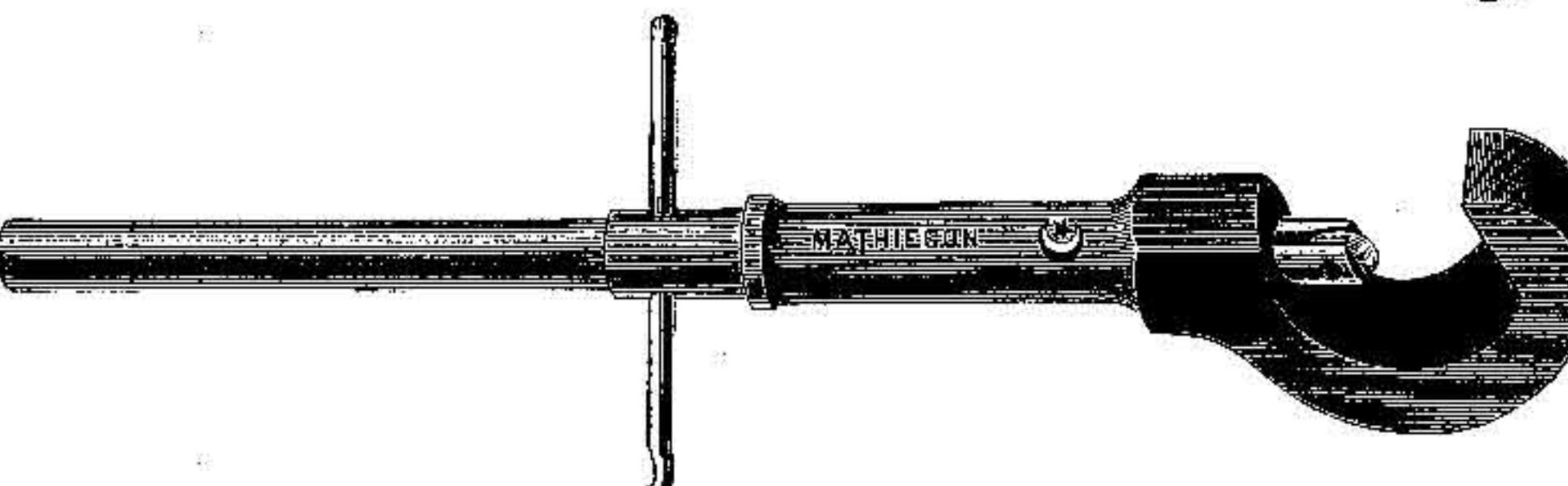
No. 2301—CUTTER WHEELS.



No. 2302—ONE WHEEL PIPE CUTTER, Dwang at End.

ONE WHEEL PIPE CUTTERS.

	No.	1	2	3	
	Size, $\frac{1}{2}$ to 1	1 to 2	$2\frac{1}{4}$ to $3\frac{1}{2}$ in.		
No.					
2302—Dwang at End,	19/6	25/3	39/- ea.		
2303—,, in Centre,	19/6	25/3	—,,		
2301—Extra Cutter } Wheels, }	1/-	1/5	1/5 ,,		
2301A—Spare Pins } for Cutters, }	6/-	8/8	9/- doz.		

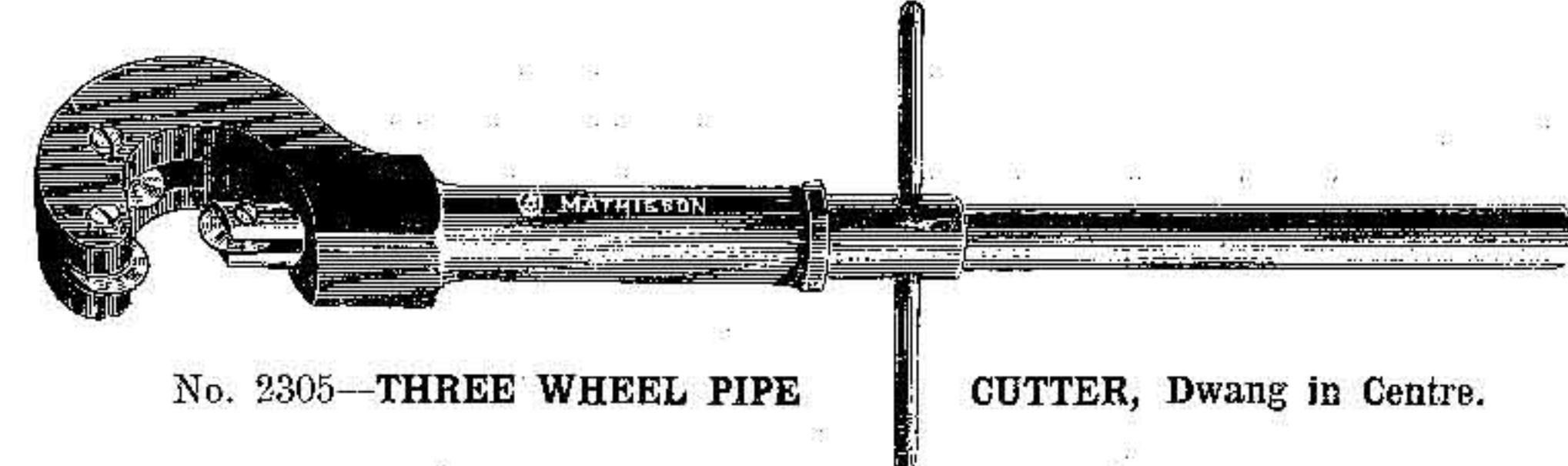


No. 2303—ONE WHEEL PIPE CUTTER, Dwang in Centre.

No. 2304.
THREE WHEEL PIPE CUTTER, Dwang at End.

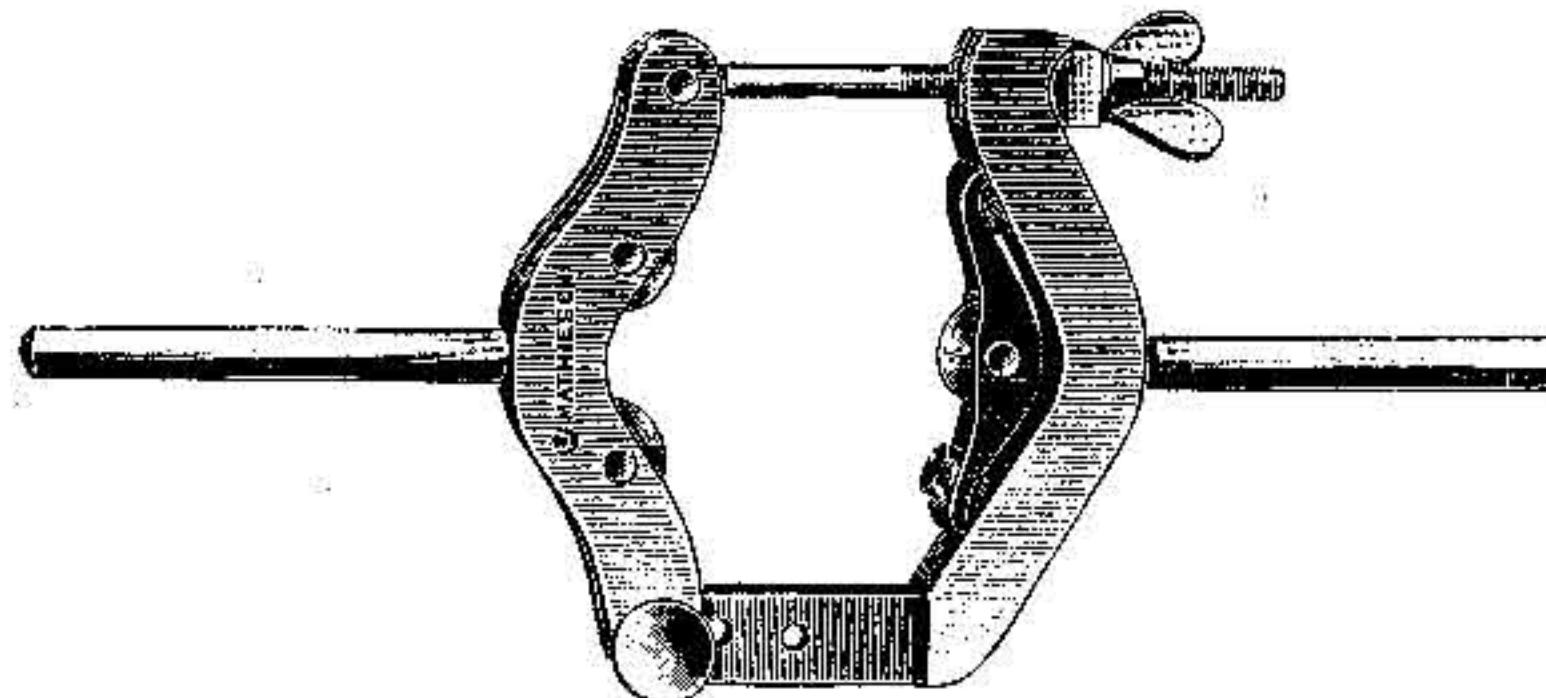
THREE WHEEL PIPE CUTTERS.

	No.	1	2	3	
	Size	$\frac{1}{2}$ to 1	1 to 2	$2\frac{1}{4}$ to $3\frac{1}{2}$ in.	
No.					
2304—Dwang at End,	23/6	34/-	44/9 ea.		
2305—,, in Centre,	23/6	34/-	44/9,,		
2301—Extra Cutter Wheels, }	1/-	1/5	1/5,,		
2301A—Spare Pins for } Cutters, }	6/-	8/8	9/- doz.		



No. 2305—THREE WHEEL PIPE CUTTER, Dwang in Centre.

MAIN PIPE CUTTERS.

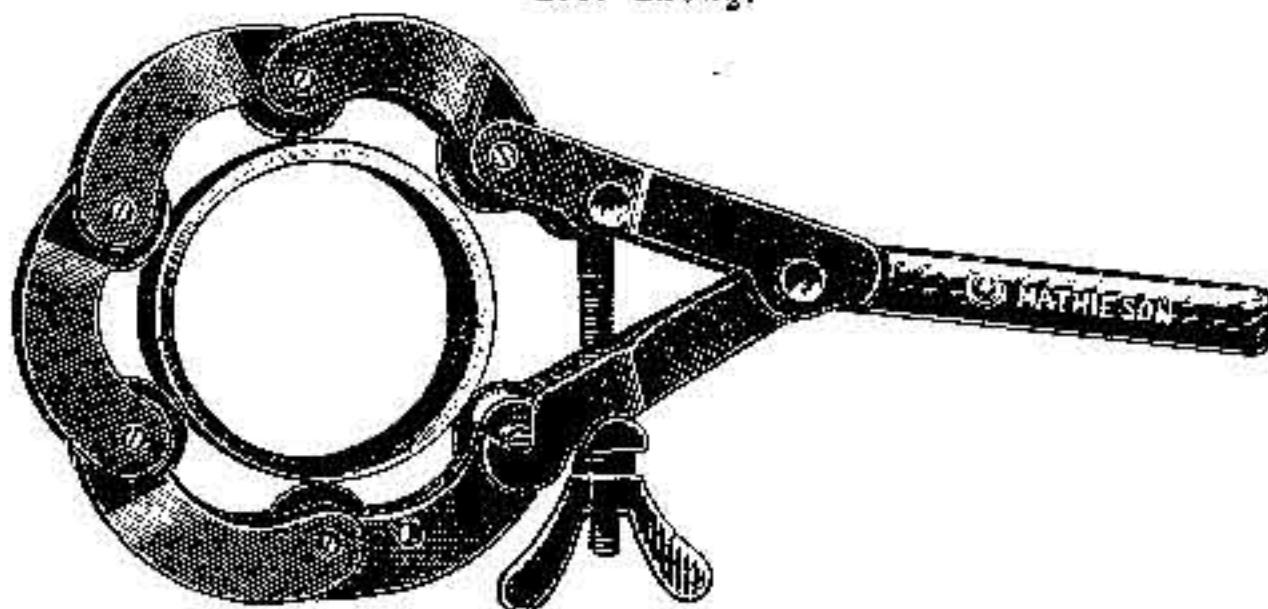


No. 2306—CUTTERS FOR CAST IRON MAIN PIPES.

	For 2 to 4	4 to 6	5 to 8	8 to 12 in. Pipes.
No. 2306—Prices, ...	54/-	65/3	76/6	153/- each.
No. 2307—Extra Cutter Wheels, ...	2/3	2/3	2/3	3/- ..

Link Pipe Cutters (Jones' Pattern).

No. 2306½.



Malleable Iron Body, Mild Steel Fittings, Cast Steel Wheels.

For Pipes	2 to 4	2 to 5	2 to 6	2 to 7	2 to 8 inches.
Number of Wheels,	6	7	8	9	10
Price,	48/-	54/-	60/-	66/-	72/- each.



Pipe Wrench. No. 4 Pattern.

For Pipes.	Price.	For Pipes.	Price.
1 to $\frac{1}{2}$ in., ...	9/6 each.	2 to 3 in., ...	29/3 each.
$\frac{1}{2}$ to $\frac{3}{4}$ in., ...	11/3 ..	$\frac{1}{2}$ to 3 in., ...	33/9 ..
$\frac{3}{4}$ to $1\frac{1}{2}$ in., ...	15/3 ..	2 to 4 in., ...	58/6 ..
1 to 2 in., ...	20/9 ..	2 to 5 in., ...	76/6 ..
$1\frac{1}{2}$ to $2\frac{1}{2}$ in., ...	25/9 ..		

No. 2320—Light Copper Soldering Bolts.

Weight of Copper	6	8	10	12	14	16	18	20	24	oz.
Handled, ...	22/6	27/-	31/6	37/6	42/-	48/6	52/6	54/-	64/6	doz.

Prices fluctuate with cost of Copper.



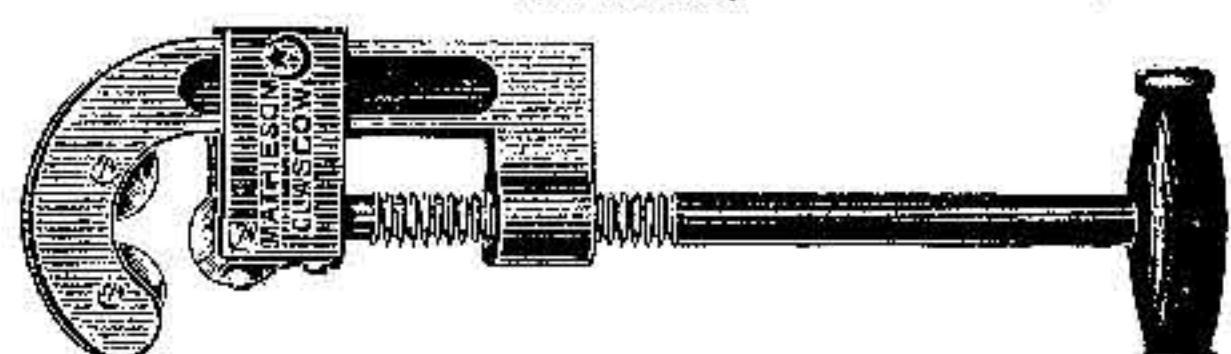
No. 2321—Copper Soldering Bolts.

Over 1½ lbs.

Prices fluctuate with cost of Copper.
Prices on application.

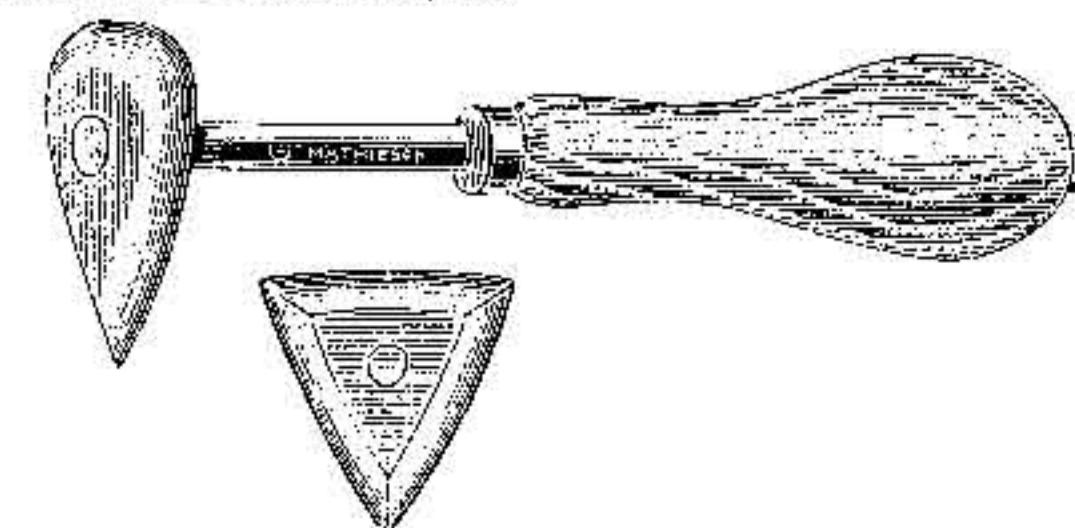
Pipe Cutters, Three Wheel (Barnes' Pattern)

No. 2306B.



Malleable Iron Body, Mild Steel Screw, Cast Steel Wheels.

No.	1	2	3	4	5
For Pipes, ...	1 to 1	1 to 2	1½ to 3	2½ to 4	4 to 6 inches



No. 2310.

No. 2311.

Shave Hooks.

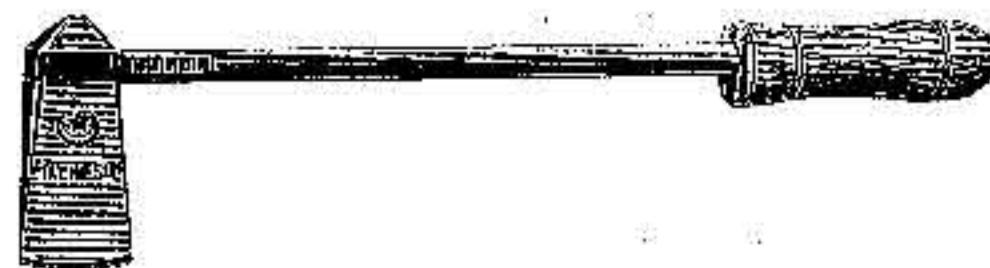
No. 2310—Heart Shape, ...	... ...	... ...	13/9 per doz.
No. 2311—Triangular Shape, ...	... ...	... ...	13/9 ..



No. 2322—Light Hatchet Copper Soldering Bolts.

Weight of Copper	8	10	12	14	16	20	oz.
Handled, ...	28/9	34/6	40/6	45/-	49/6	57/-	per doz.

Prices fluctuate with cost of Copper.

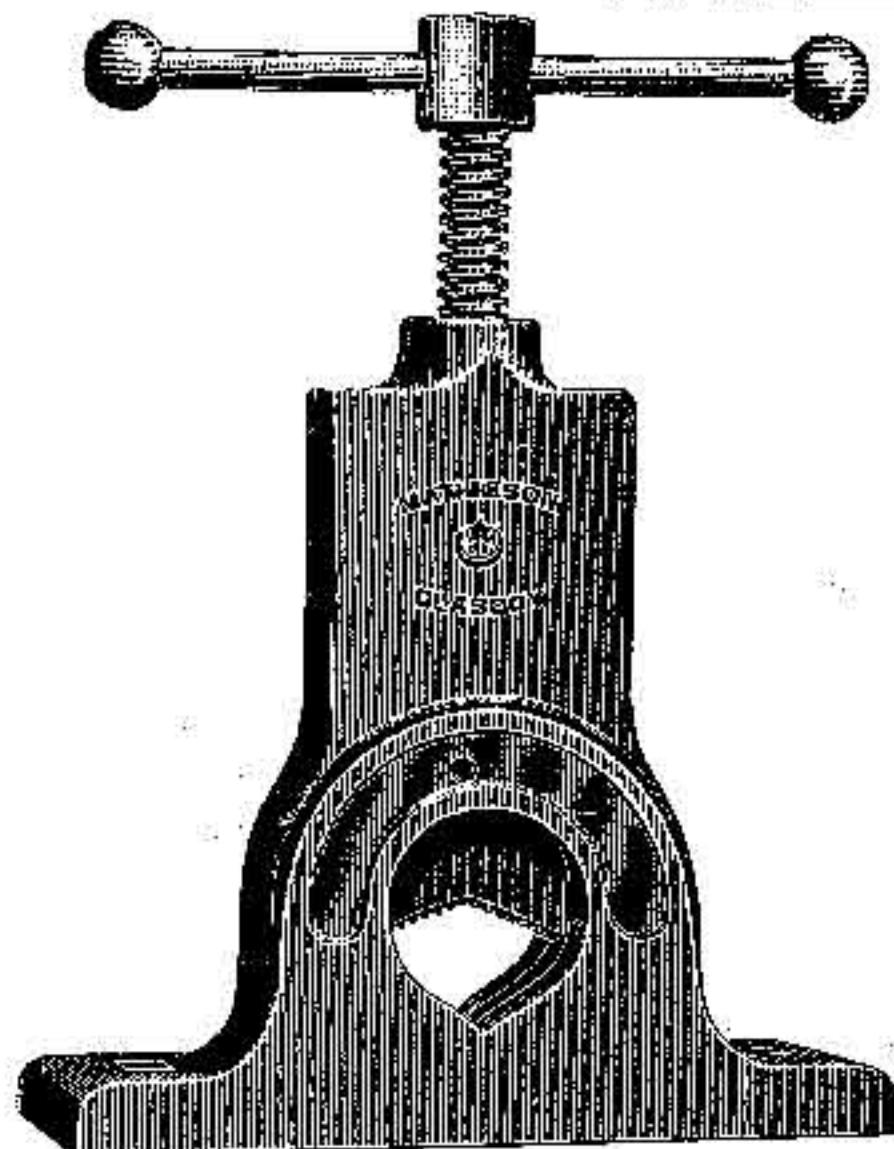


No. 2323—Hatchet Copper Soldering Bolts, Handled.

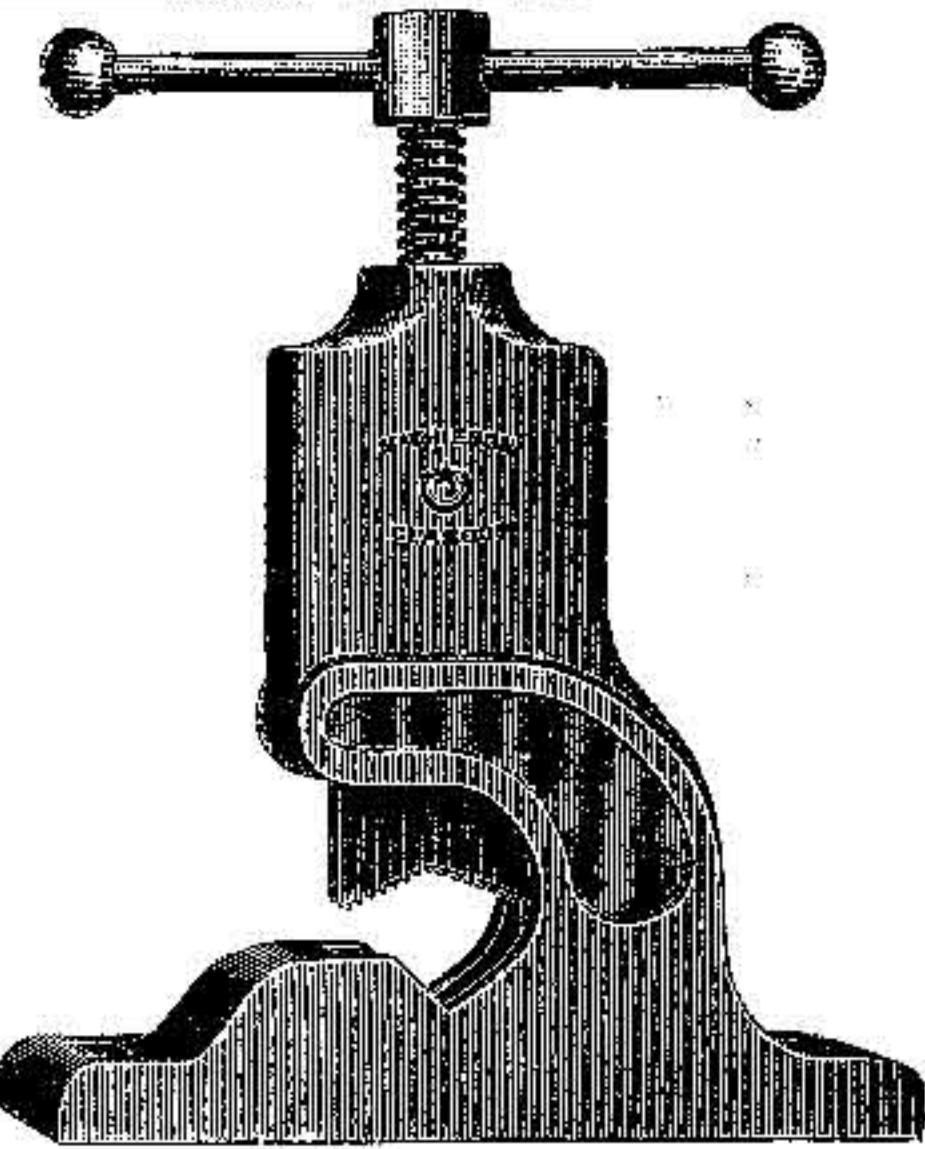
1½	1¾	2	2½	3	lbs.
69/-	81/-	88/6	111/-	132/-	per doz.

Prices fluctuate with cost of Copper.

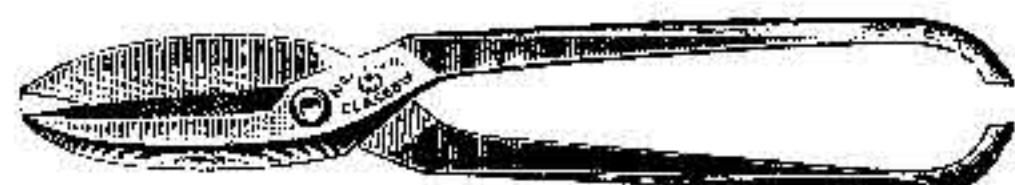
TUBE VICES, Etc.



No. 2308.



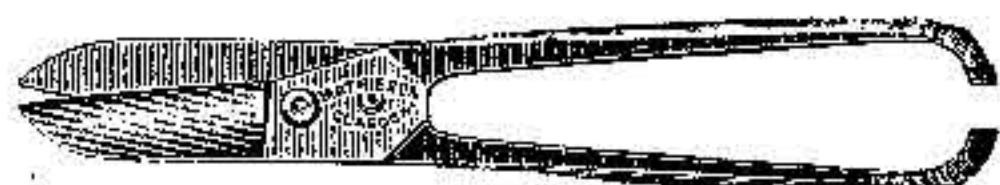
No. 2309.



Straight Snips, Improved Pattern, Blades Bolted.

No. 2370.

8	9	10	11	12	13	14	Inches.
6/-	6/9	7/6	8/-	8/9	12/2	13/6	per pair.



Straight Snips, Checked Blades, Rivetted.

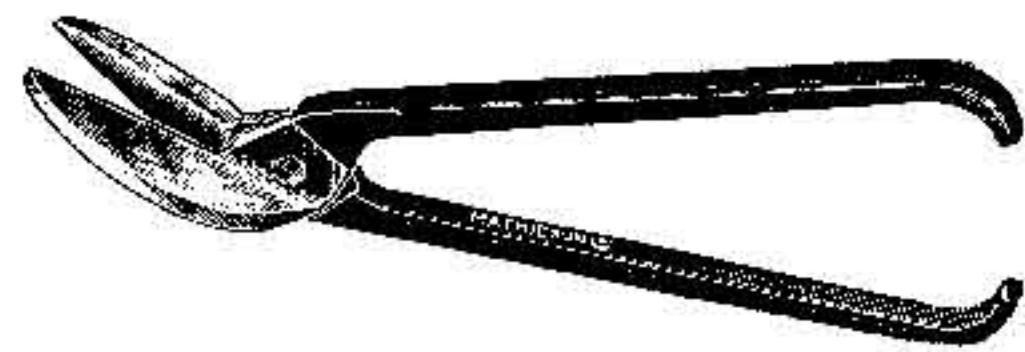
No. 2372.

8	9	10	11	12	13	14	Inches.
8/9	9/-	9/6	10/-	10/9	16/3	18/3	per pair.

Bent Snips, Improved Pattern, Blades Bolted.

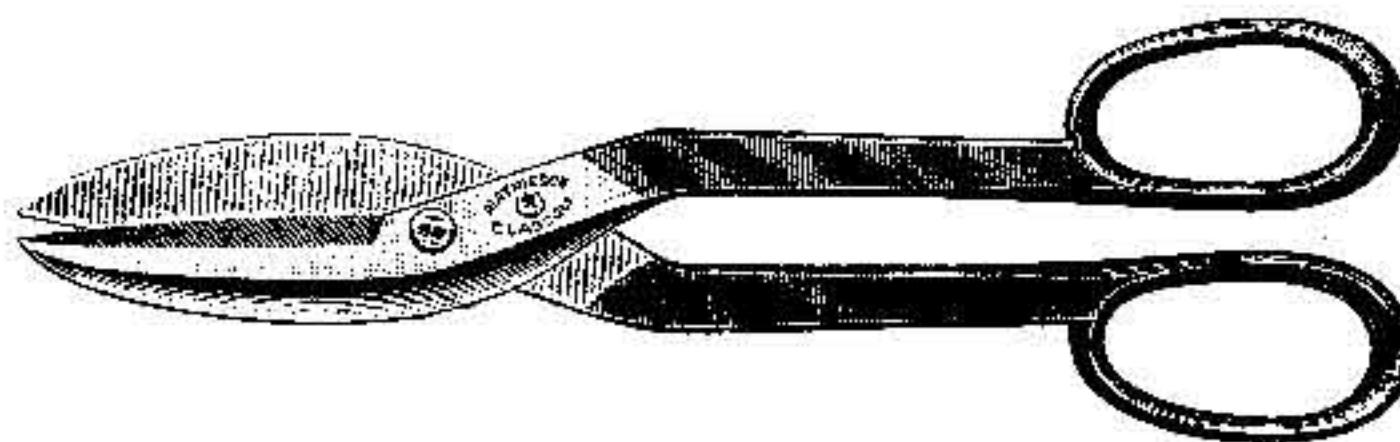
No. 2371.

8	9	10	11	12	13	14	Inches.
8/-	8/9	9/6	10/-	10/9	14/2	15/6	per pair.



No. 2370A.

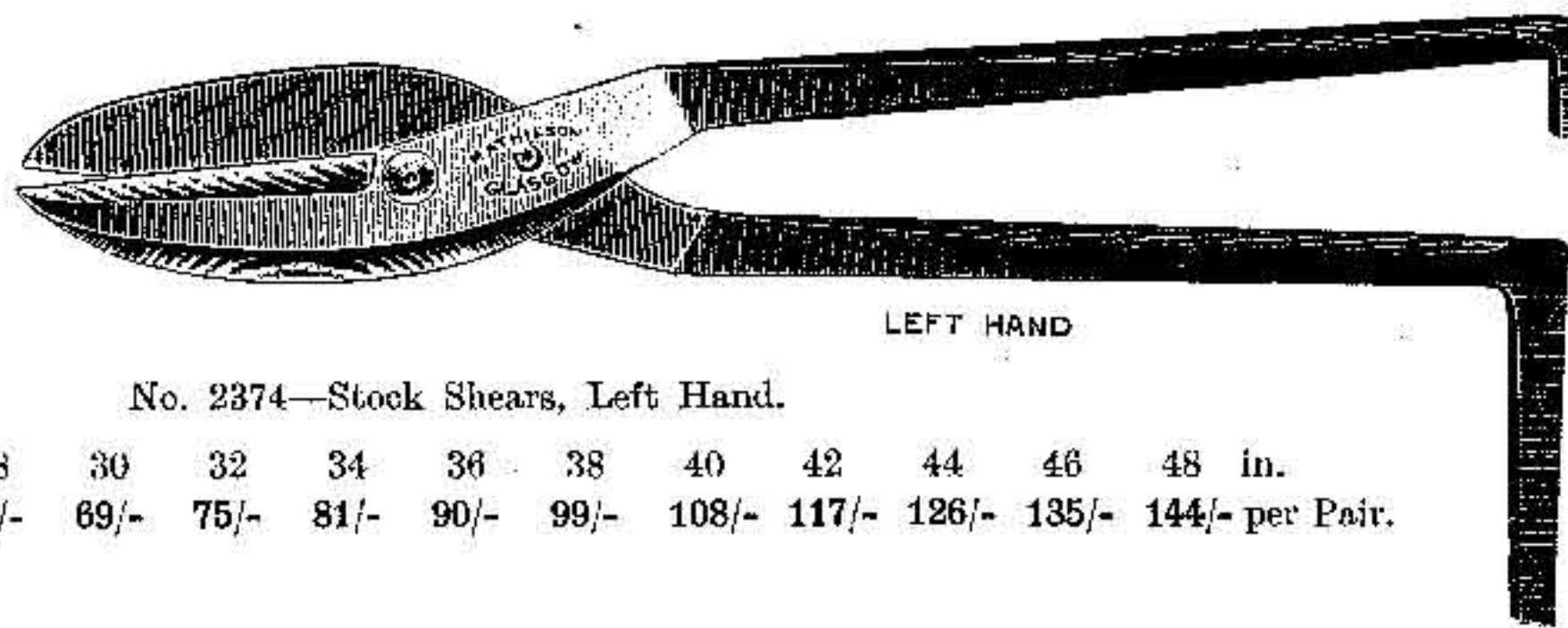
"COMBINATION" SNIPS, Solid Steel, for Straight and Curved Cutting, 12 inches, 21/3 per pair.



Hand Shears, Improved Pattern.

No. 2373.

12	14	15	16	18	20	22	Inches.
17/9	19/3	20/6	21/8	24/3	28/-	34/6	per Pair.

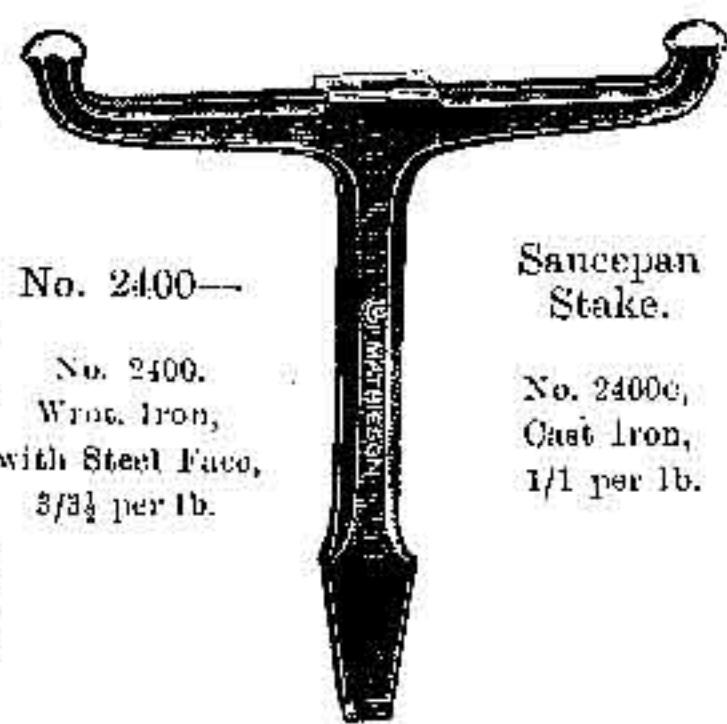


LEFT HAND

No. 2374—Stock Shears, Left Hand.

22	24	26	28	30	32	34	36	38	40	42	44	46	48	in.
48/-	51/-	57/-	63/-	69/-	75/-	81/-	90/-	99/-	108/-	117/-	126/-	135/-	144/-	per Pair.

TINMEN'S STAKES.



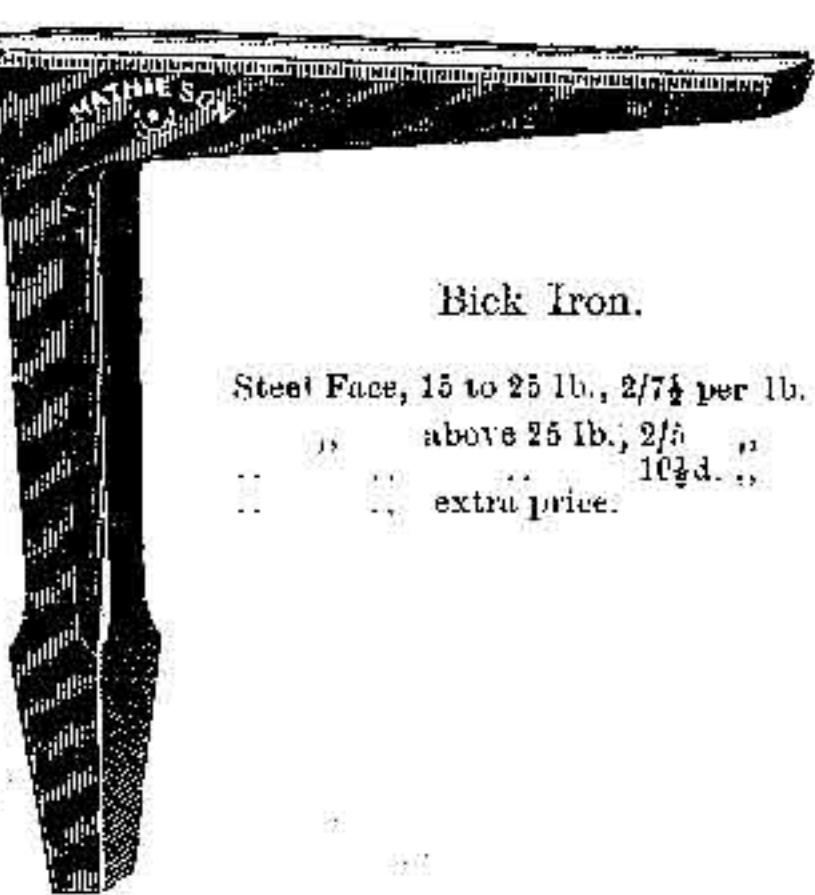
No. 2400—

Saucepans Stake.

No. 2400.

Wrot. Iron,
with Steel Face,
 $\frac{3}{4}$ per lb.

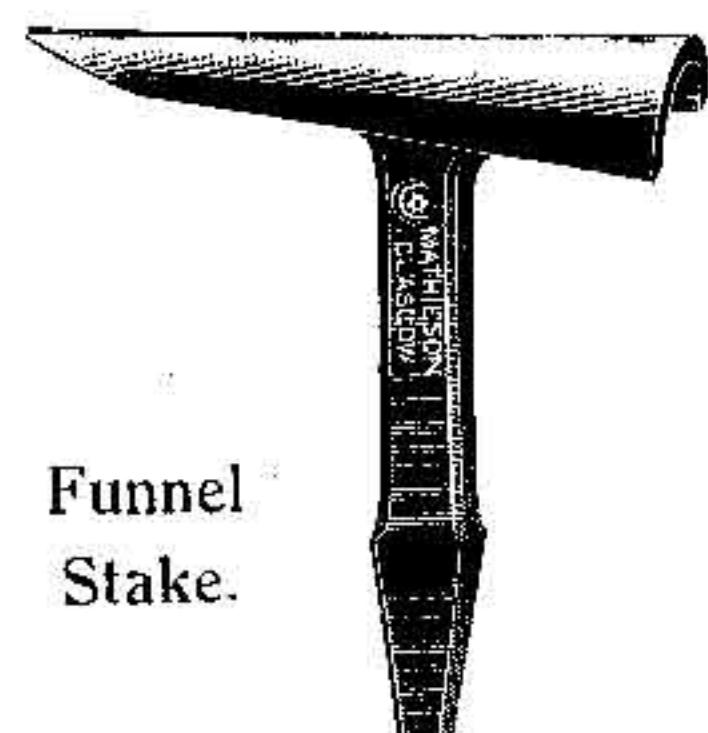
No. 2401—

No. 2401—Wrot. Iron, with Cast
Steel Face, 15 to 25 lb., 2 $\frac{1}{2}$ per lb.
No. 2401c—Cast Iron, 1/1 per lb.
No. 2401c—With Grooves, 1/1 per lb.

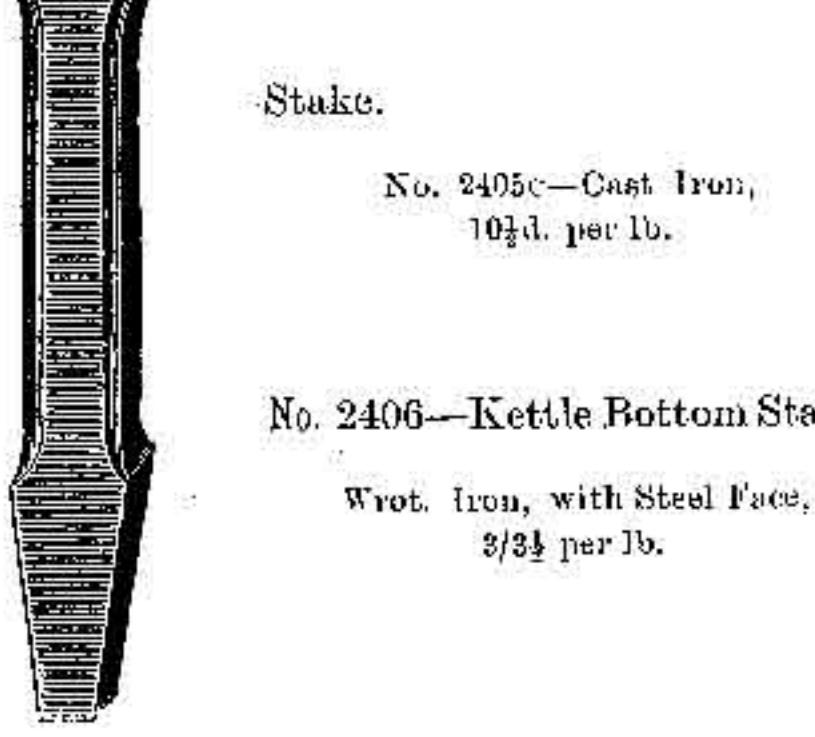
Bick Iron.

Steel Face, 15 to 25 lb., 2 $\frac{1}{2}$ per lb.
above 25 lb., 2 $\frac{1}{2}$
10 $\frac{1}{2}$ d. " extra price.No. 2402.
Wrot. Iron,
with Steel Face,
3/1 per lb.No. 2402c.
Cast Iron,
1/4 per lb.

No. 2402—Extinguisher Stake.

No. 2403—
Side Stake.No. 2403.
Wrought Iron, with
Steel Face,
25 lb. and above,
2/3 per lb.No. 2403c.
Cast Iron, 10 $\frac{1}{2}$ d. per lb.

No. 2405—Rounding

No. 2405—Wrot. Iron, with
Steel Face, above 25 lb.,
2/3 per lb.

Stake.

No. 2405c—Cast Iron,
10 $\frac{1}{2}$ d. per lb.Funnel
Stake.No. 2407.
Wrot. Iron, with
Steel Face.

3/1 per lb.

No. 2407c—Cast Iron,
1 $\frac{1}{2}$ d. per lb.

No. 2404—Pot Neck Tool

No. 2404—Wrot. Iron with
Steel Face, 2 $\frac{1}{2}$ per lb.

No. 2404c—Cast Iron, 1/1 per lb.

No. 2406—Kettle Bottom Stake.

Wrot. Iron, with Steel Face,
3/3 $\frac{1}{2}$ per lb.

No. 2406—Kettle Bottom Stake.

Wrot. Iron, with Steel Face,
3/3 $\frac{1}{2}$ per lb.

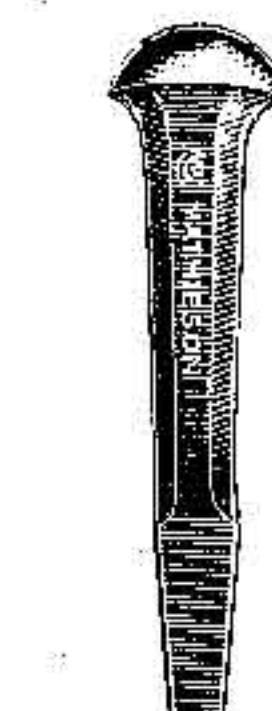
No. 2406—Kettle Bottom Stake.



No. 2408—Anvil.

Wrot. Iron, with Steel Face,
3/6 per lb.

No. 2409—Anvil Stake.

Wrot. Iron, with Steel Face,
3/6 per lb.

No. 2410—Round Head Stake.

No. 2410—Wrot. Iron with
Steel Face,2 to 2 $\frac{1}{4}$ in. dia., 3/9 per lb.

3 to 6 " 9/1 " "

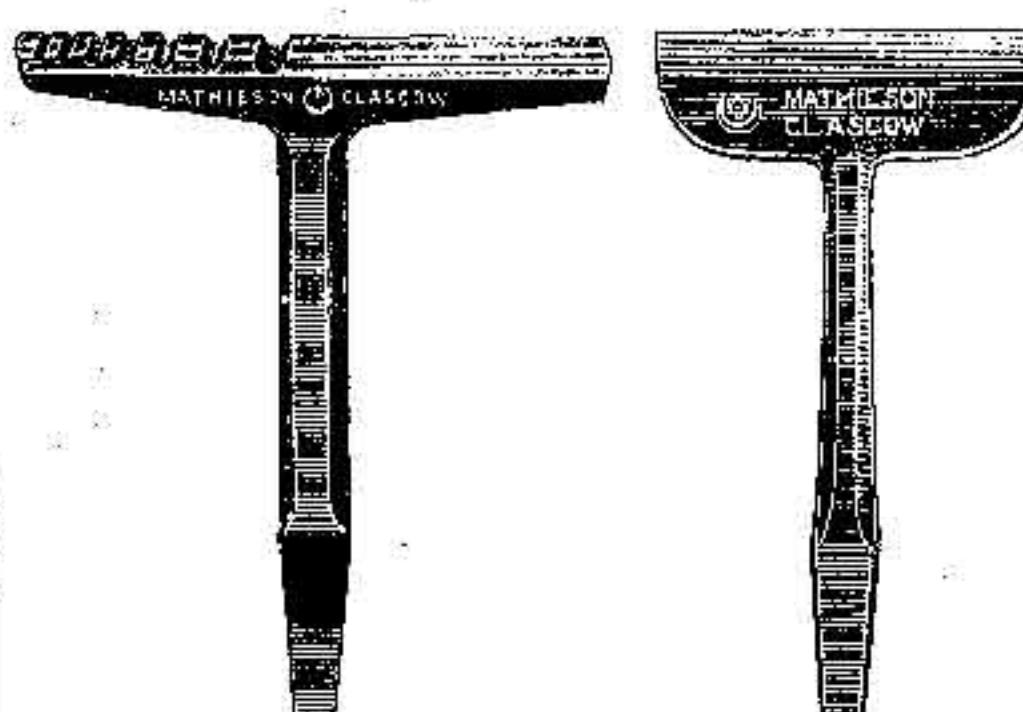
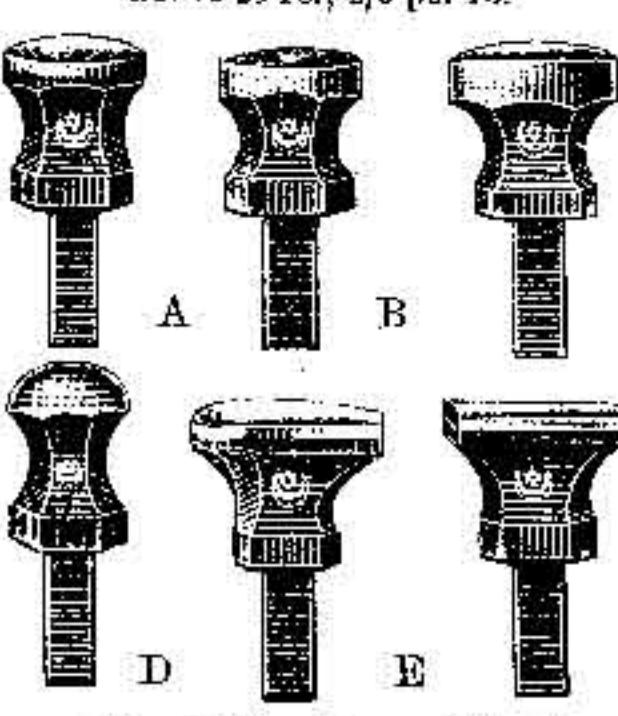
No. 2410c—Cast Iron, 1/1 per lb.

No. 2411—
Round Bottom Stake.No. 2411—Wrot. Iron, with
Steel Face, 3/3 $\frac{1}{2}$ per lb.No. 2411c—Cast Iron,
1/1 per lb.No. 2412—Half-Moon
or Edging Stake.No. 2412—Wrot. Iron with
Steel Face, 2 $\frac{1}{2}$ per lb.No. 2412c—Cast Iron,
1/4 per lb.

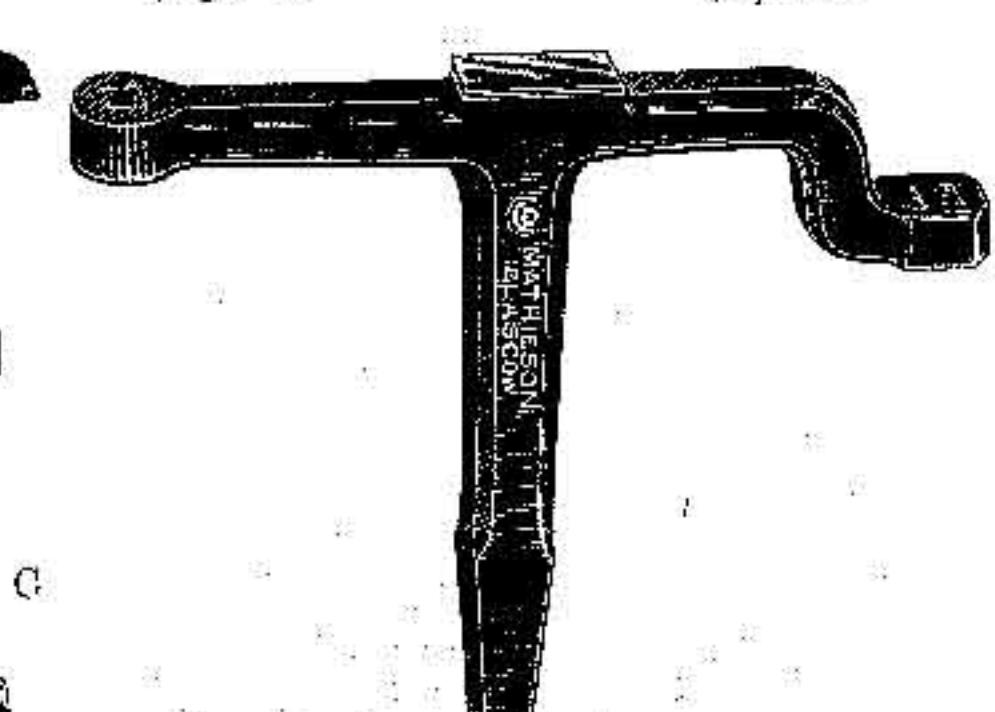
No. 2413—Creasing Iron.

No. 2413—Wrot. Iron, with
Steel Face,

10 to 14 lb... 3/7 per lb.

15 lb. up... 3/5 $\frac{1}{2}$ " "No. 2413c—Cast Iron,
1/6 $\frac{1}{2}$ per lb.No. 2414—
Hatchet Stake.No. 2414—Wrot. Iron,
with Steel Face,
3/1 per lb.No. 2414c—Cast Iron,
1/1 per lb.No. 2415—Pipe Stake.
Wrot. Iron, with Cast Steel Face,
above 25 lb., 2/3 per lb.

No. 2416—Horse Heads.



No. 2417—Horse.

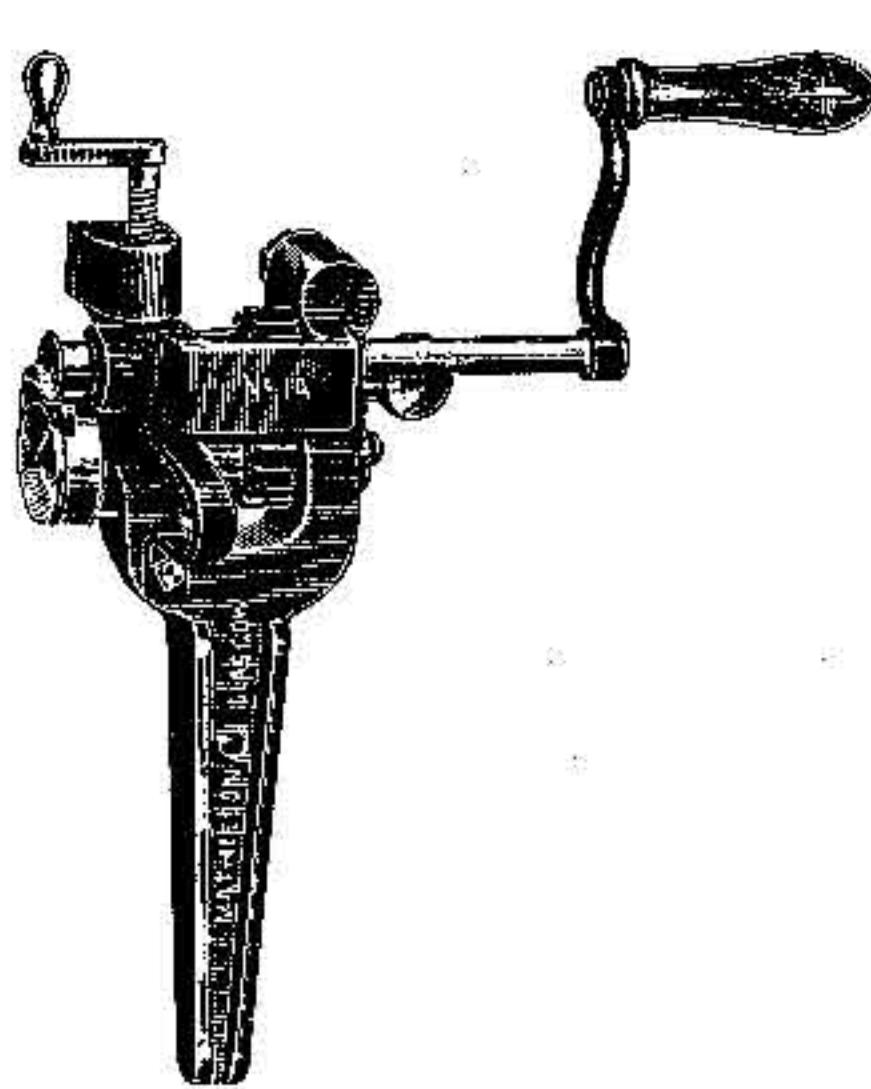
No. 2417—Horse, Wrot. Iron, ... 2/5 per lb.

F. " 2417c— " Cast Iron (about 25 lb.) 23/8 each

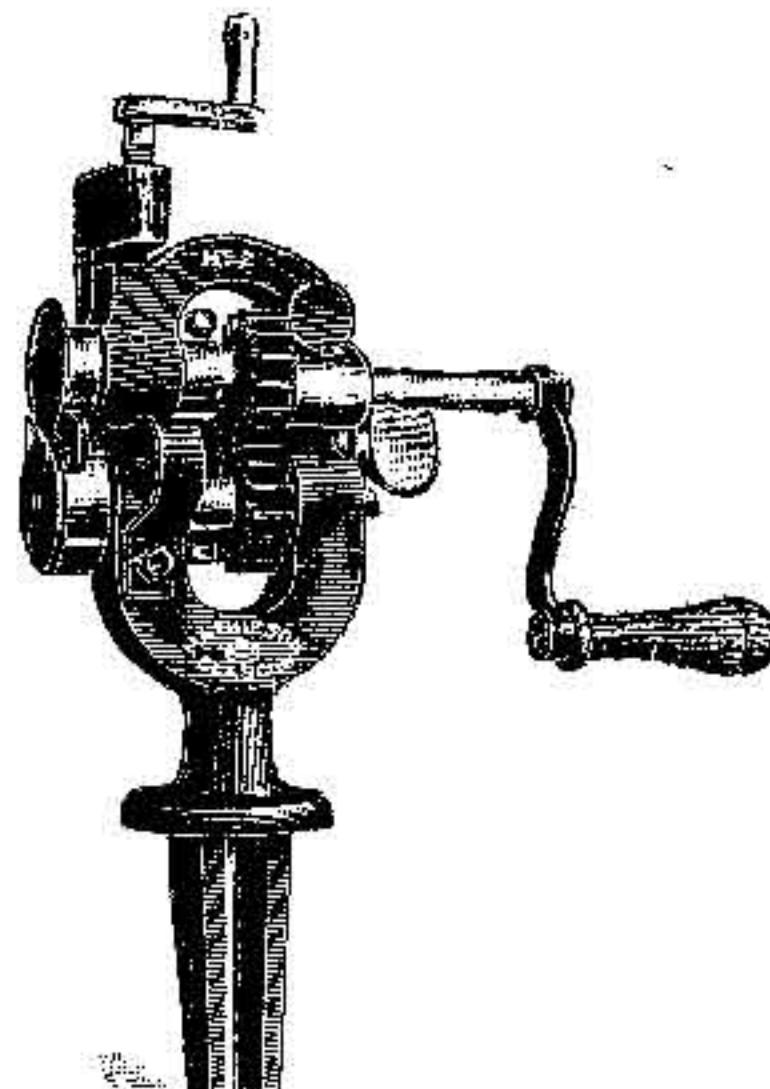
E. " 2416—Heads for do., Malleable Cast, ... 4/- per lb.

Fitting Heads to Horse, extra, 10 $\frac{1}{2}$ d. each.

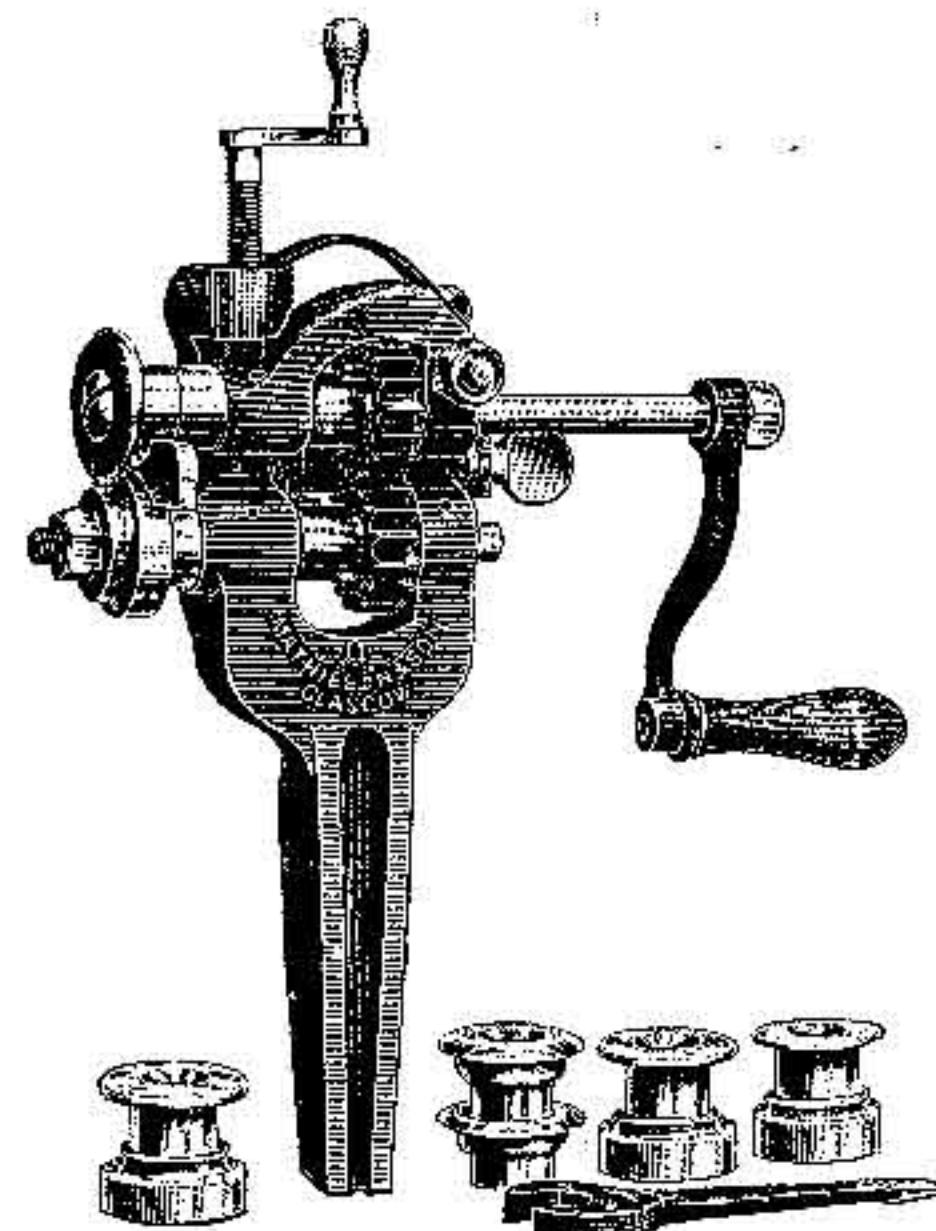
TINMEN'S MACHINES.



No. 1A—Burring Machine.



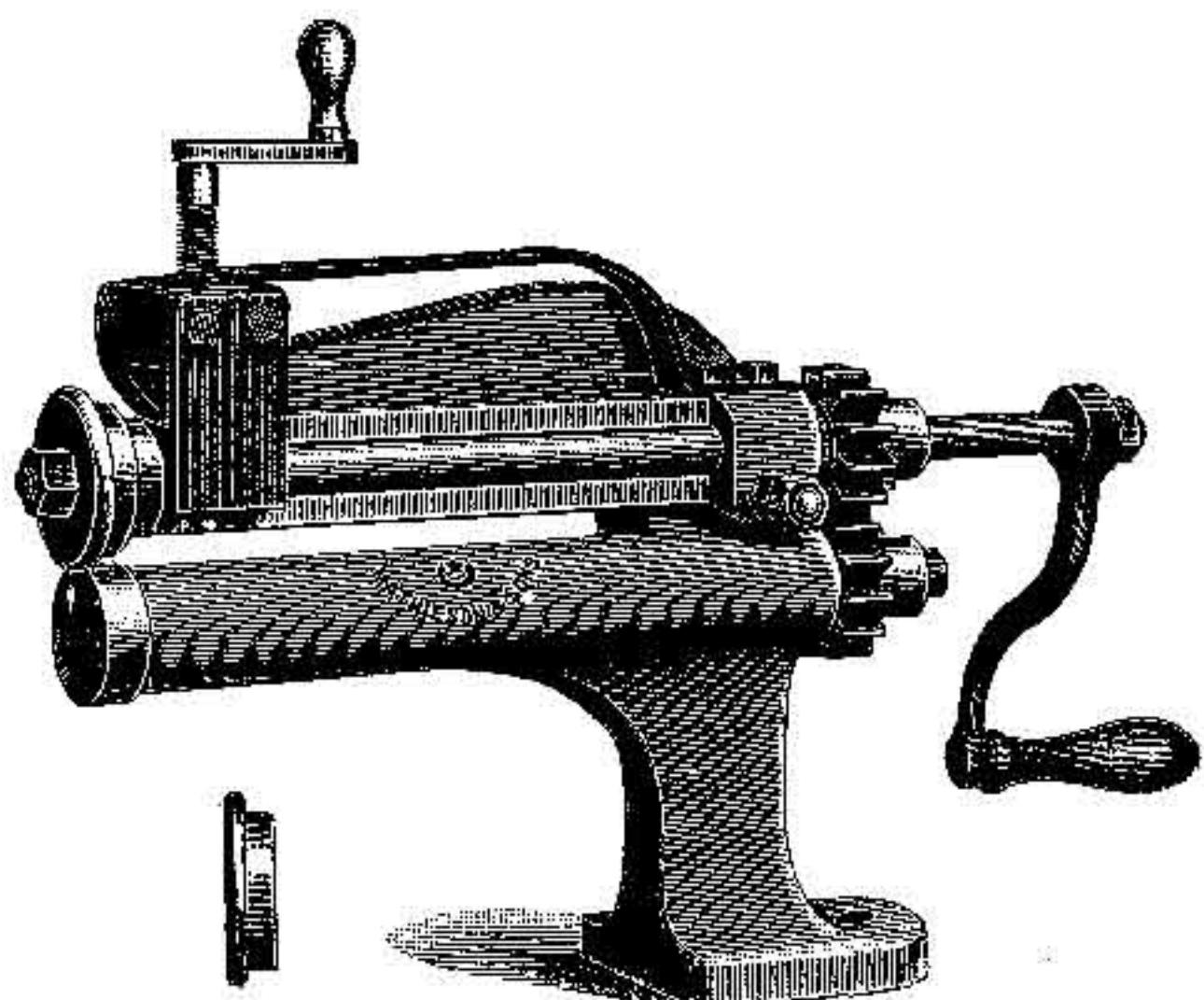
No. 2—Burring Machine.



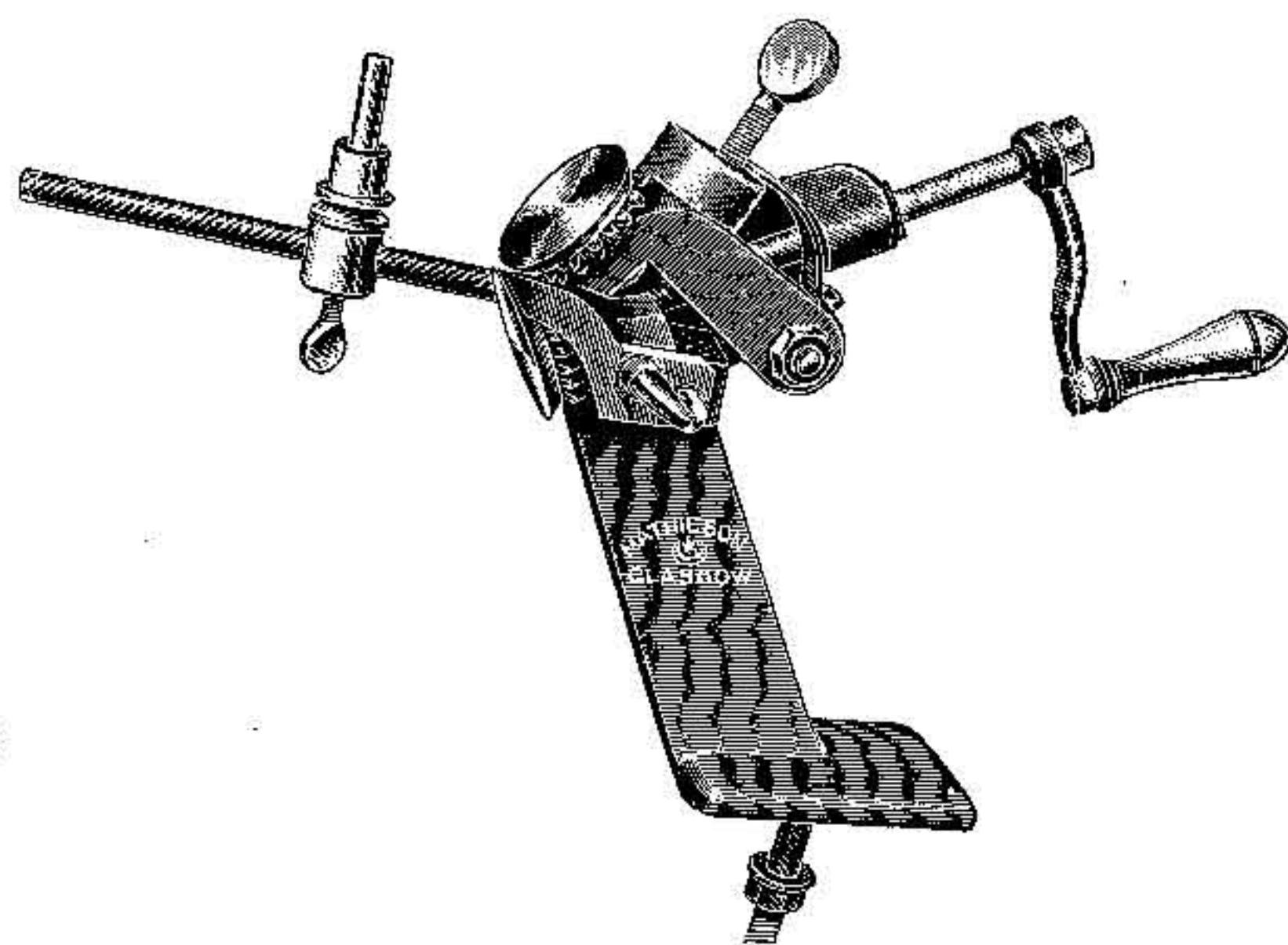
Turn up and Wiring Machine.

No. 1—Small Size, Top Roller, 1 in. diam., ...	£3 5 3
No. 1A—Small Size, Top Roller, 1½ in. diam., ...	3 5 3
No. 1B—Small Size, Top Roller, 1½ in. diam., ...	3 5 3
No. 2—Regular Size, Top Roller, 2 in. diam., ...	3 5 3
No. 3—Large Size, Top Roller, 3½ in. diam., Strong. for Sheet Iron, ...	12 16 6

No. 1—With 4 pairs Wiring and 2 Closing Rolls, ...	£7 17 6
No. 2—With 4 pairs Wiring and 2 Closing Rolls, Strong, ...	10 2 6



Bottom Closing Machine.

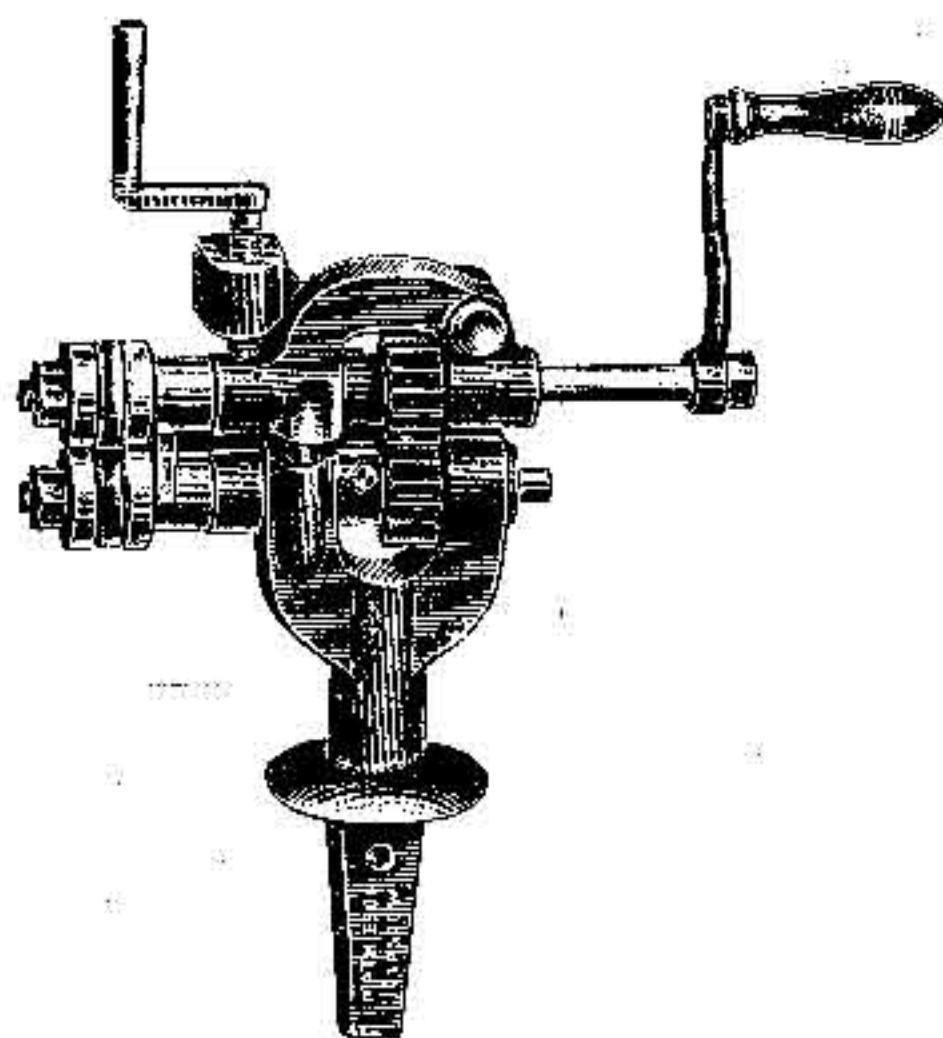


Panning Down Machine.

No. 1—10 in. Reach, 1 Bottom and 2 Top Rollers, ...	£6 3 6
No. 2—15 in. Reach, 1 Bottom and 2 Top Rollers, ...	9 11 0

No. 1, ...	... ... ... ... ...	£5 7 0
No. 2, ...	... ... ... ... ...	6 15 0

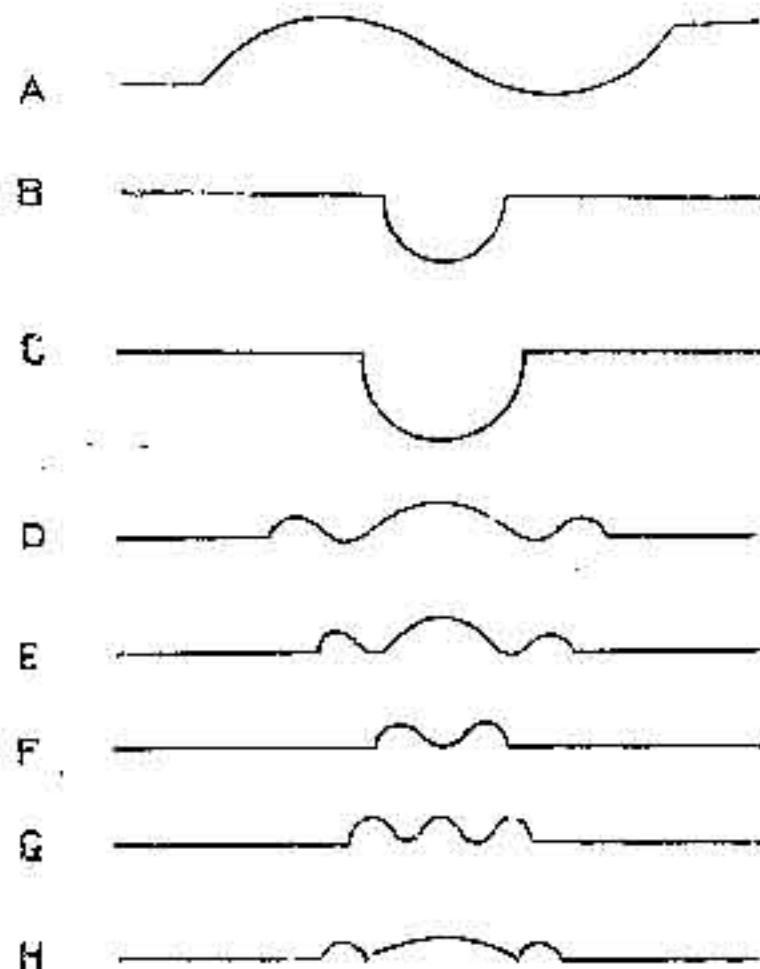
TINMEN'S MACHINES.



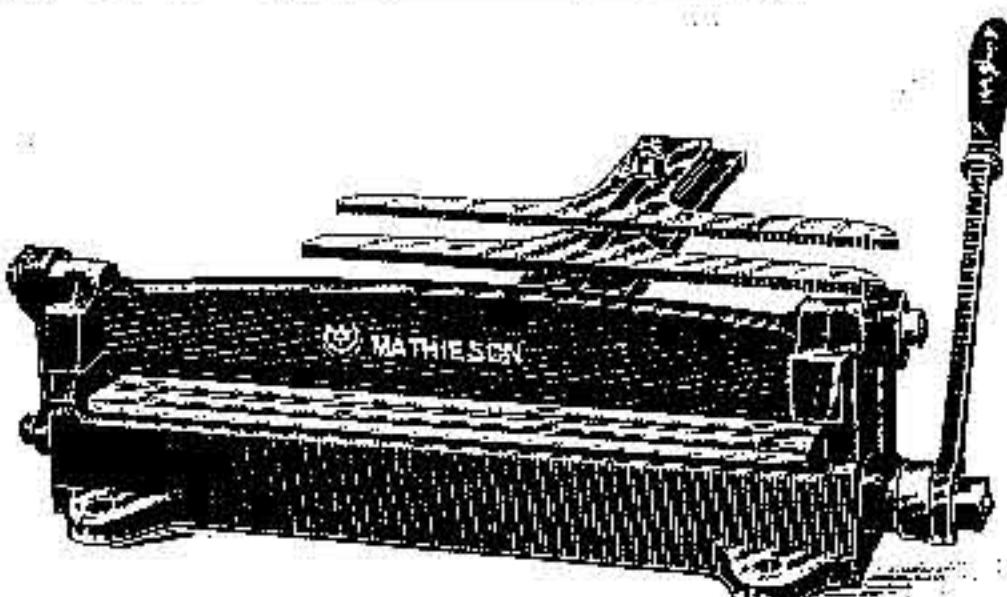
Swaging Machine—Nos. 1 and 2.

No.		Each.
1	—2½ in. Reach, with 1 pair Steel Rollers,	£3 17 6
2	—4½ in. Reach, with 1 pair Steel Rollers,	6 10 6
13	—12 in. Reach, with 1 pair Steel Rollers,	11 8 0
24	—15 in. Reach, with 1 pair Steel Rollers,	17 2 0
25	—18 in. Reach, with 1 pair Steel Rollers,	22 16 0
	Extra Rollers, Patterns as shown, for No. 1 Machine, 18/-; for No. 2 Machine, 20/3 per pair.	

PATTERNS OF ROLLERS FOR SWAGING MACHINES.

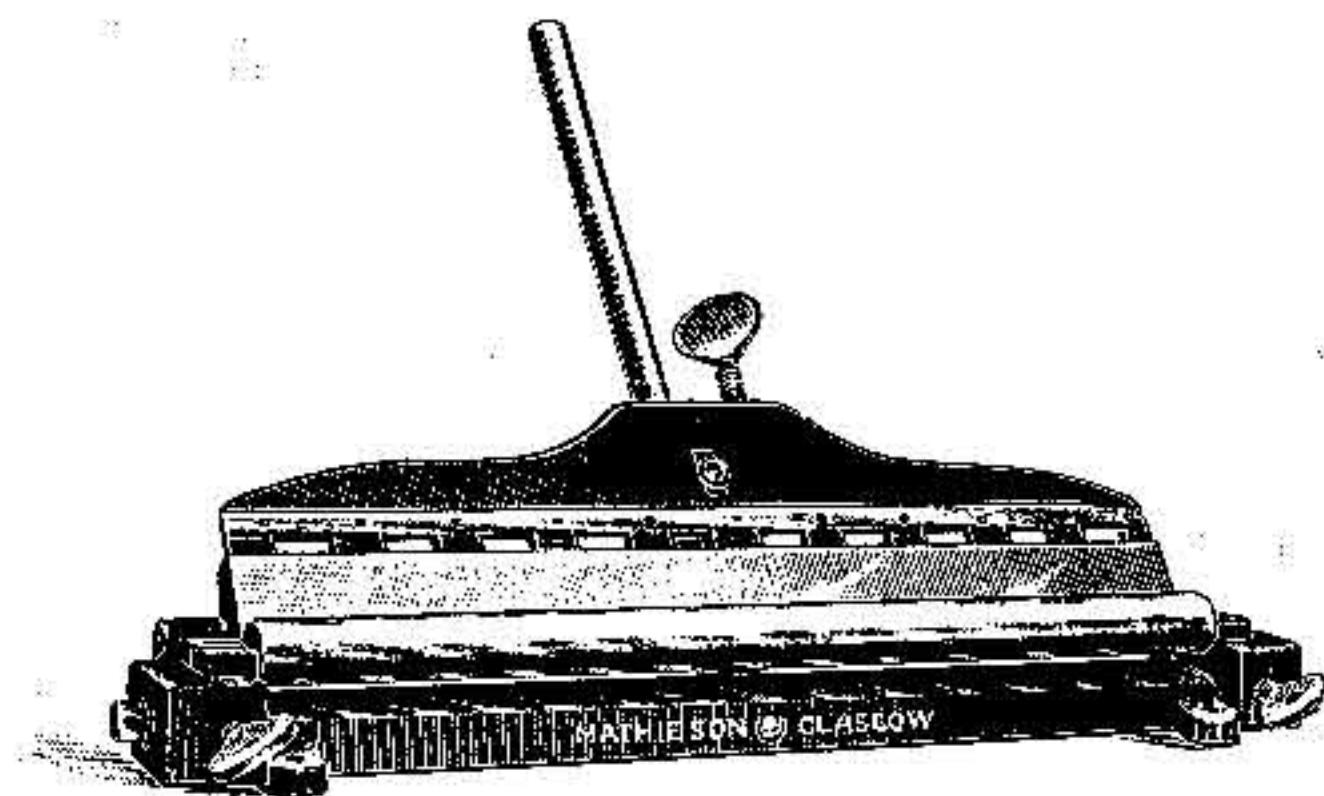


Other Patterns made to order, Price extra.



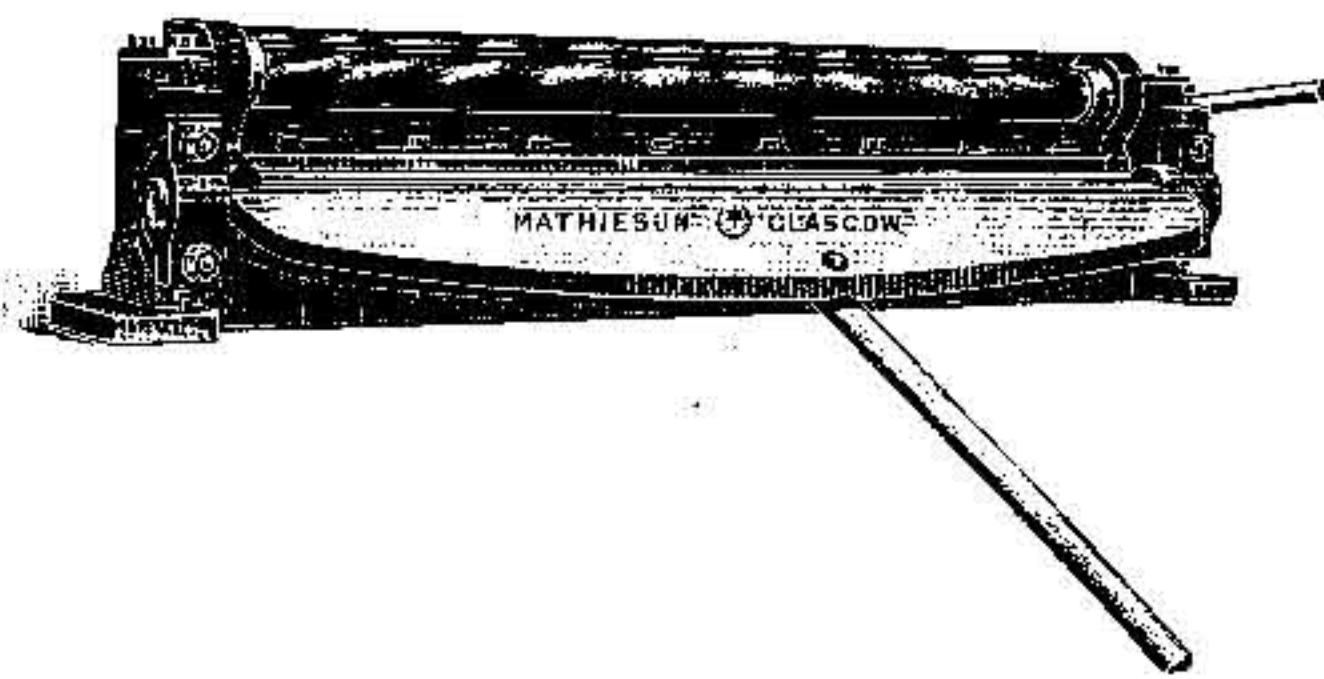
Angle Bending Machine.

	Price Each.
No. 1—For Tin Plates, takes in to 20 in. wide,	£13 4 0
No. 2—For Iron up to 22 W.G., takes in to 26 in. wide,	24 4 6
No. 3—For Iron up to 22 W.G., takes in to 30 in. wide,	27 1 6
No. 4—For Iron up to 22 W.G., takes in to 36 in. wide,	34 4 0



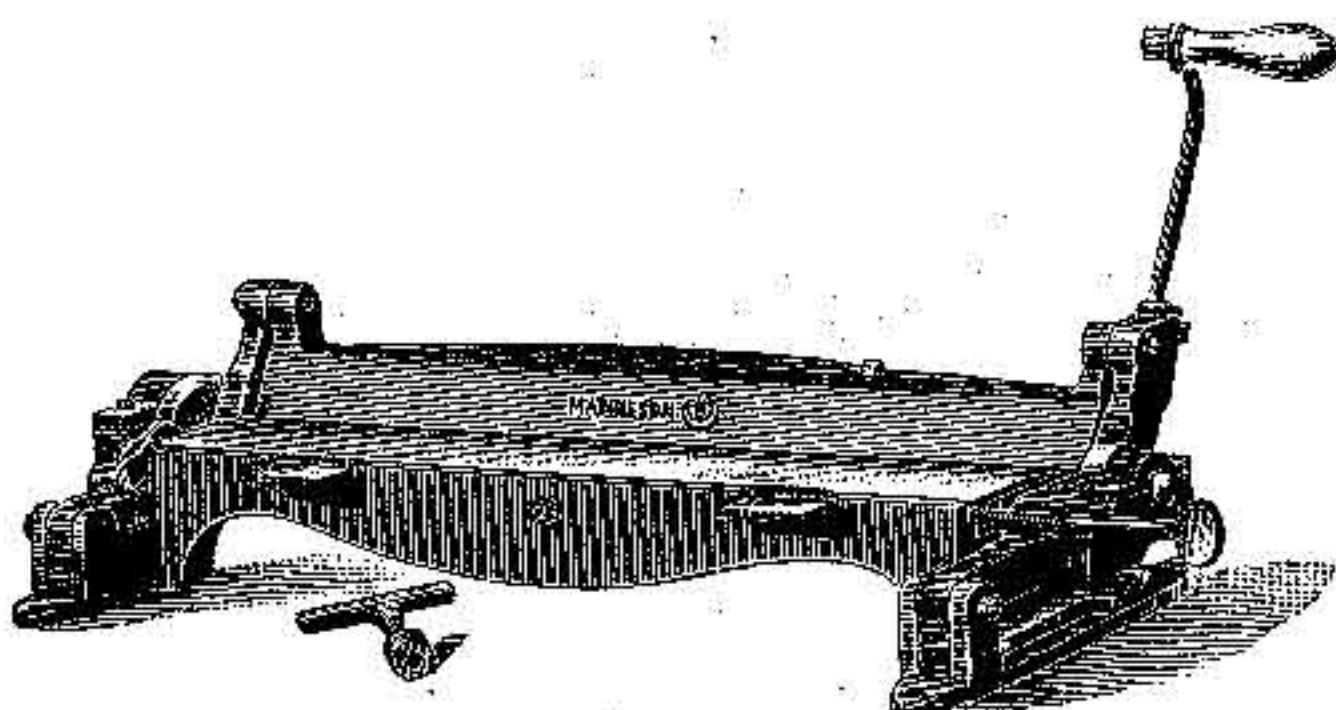
FOLDING MACHINE.

	Price Each.
No. 1—Folder, 17½ in., with Parallel Slide,	£5 4 0
No. 2—Folder, 20 in., with Parallel Slide,	5 17 6
No. 3—Folder, 26 in., with Parallel Slide,	7 8 6
No. 3½—Folder, 30 in., with Parallel Slide,	12 16 6
No. 4—Folder, 36 in., with Parallel Slide,	19 19 0



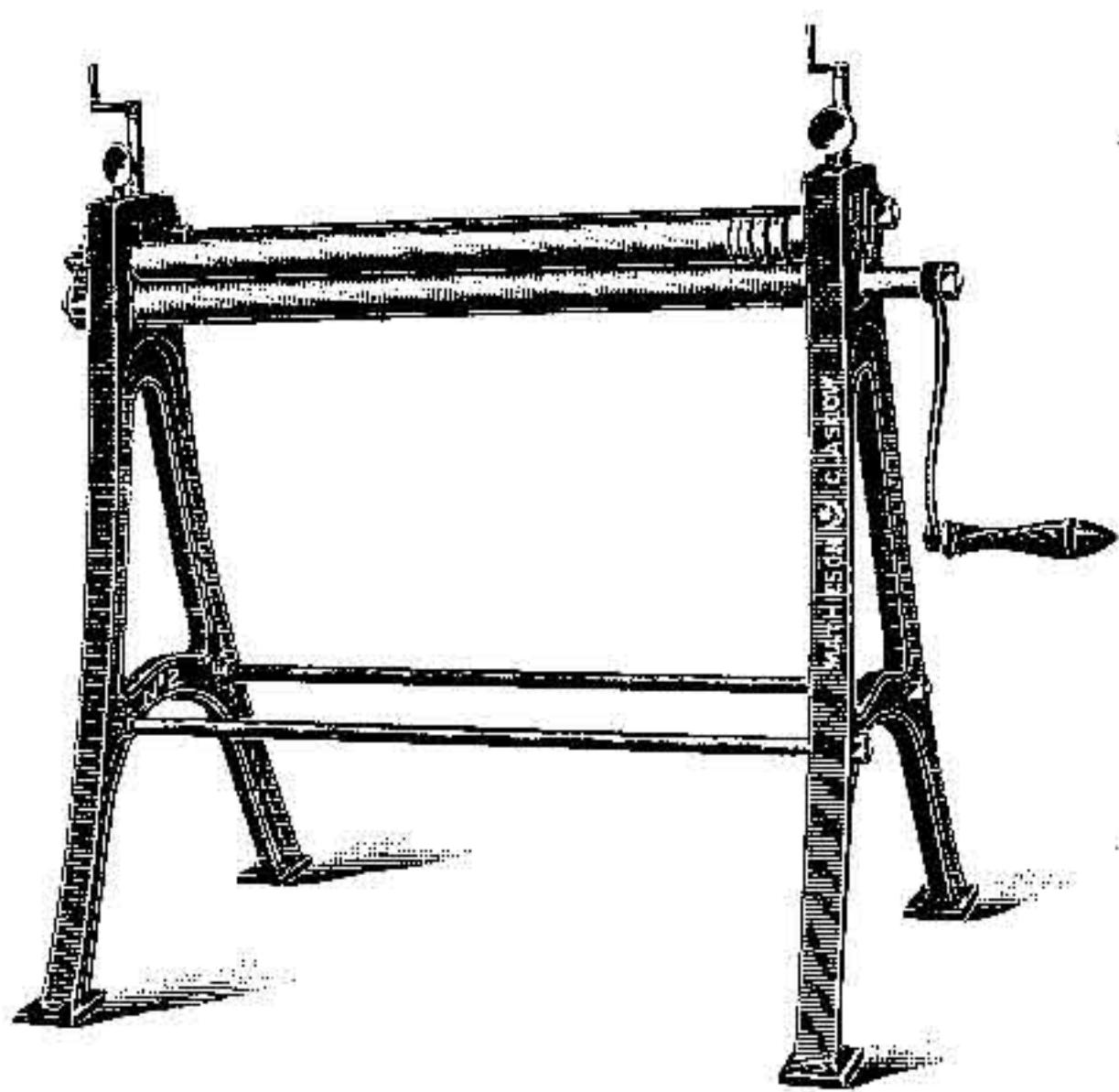
CRAMP FOLDING MACHINE.

	Price Each.
No. 5—Folder, 31 in., with Cramp,	£18 18 0
No. 6—Folder, 36 in., with Cramp,	25 4 0

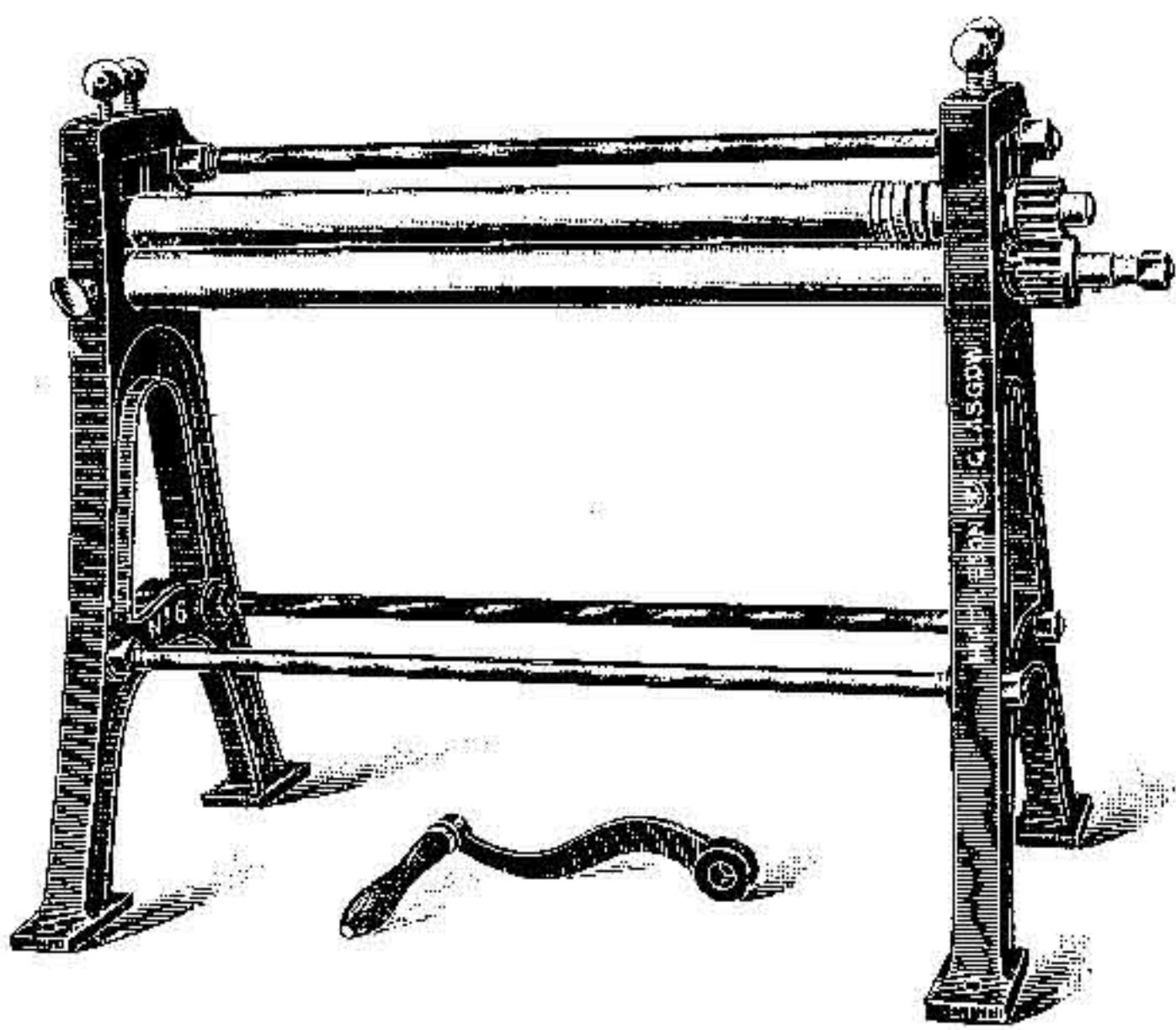


No. 30—ADJUSTABLE BAR FOLDER.

Size, 20 in., will fold up to $\frac{1}{2}$ in. wide, adapted to form either a close or an open round, or a fold at right angles, £22 10 0 each.



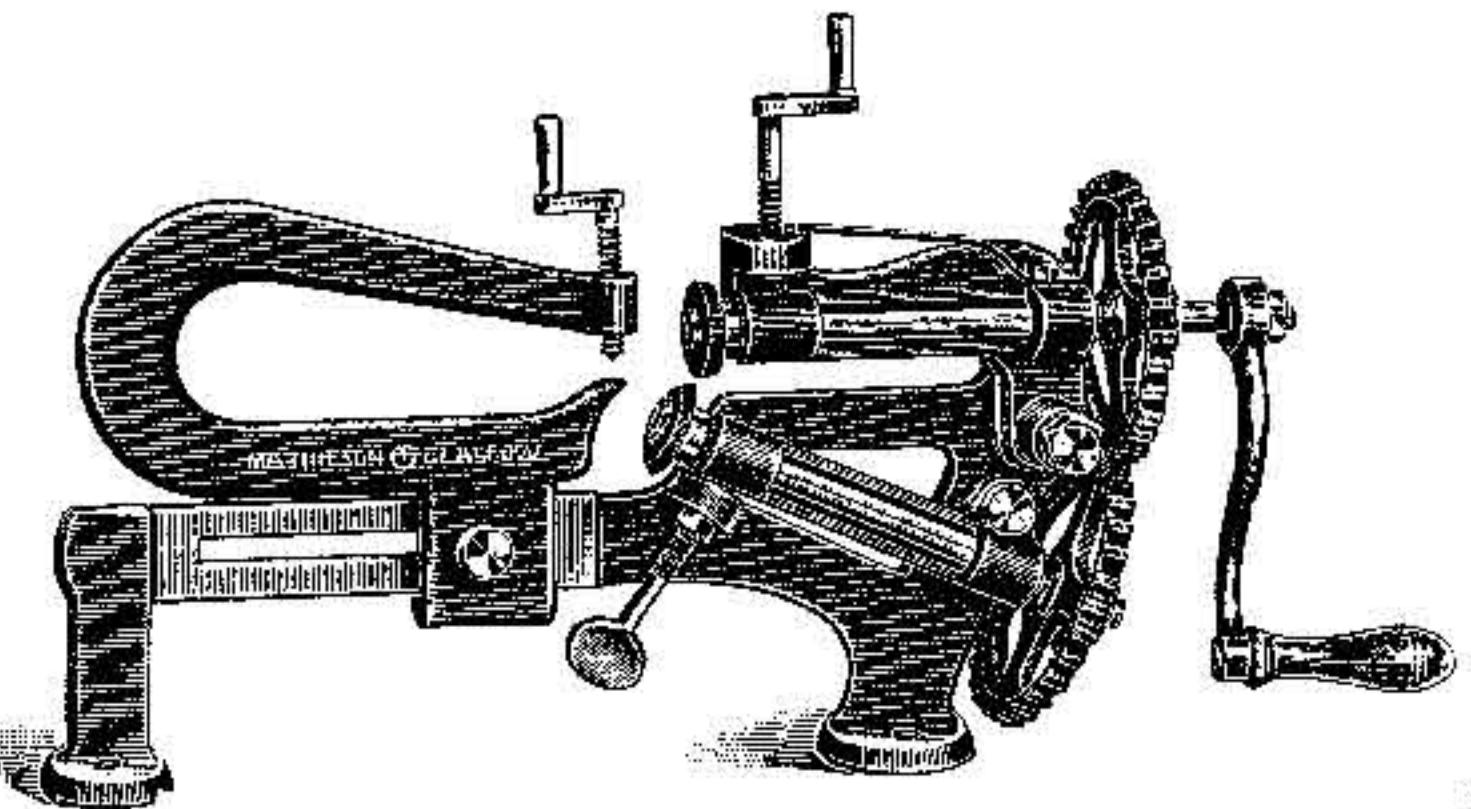
No. 2.



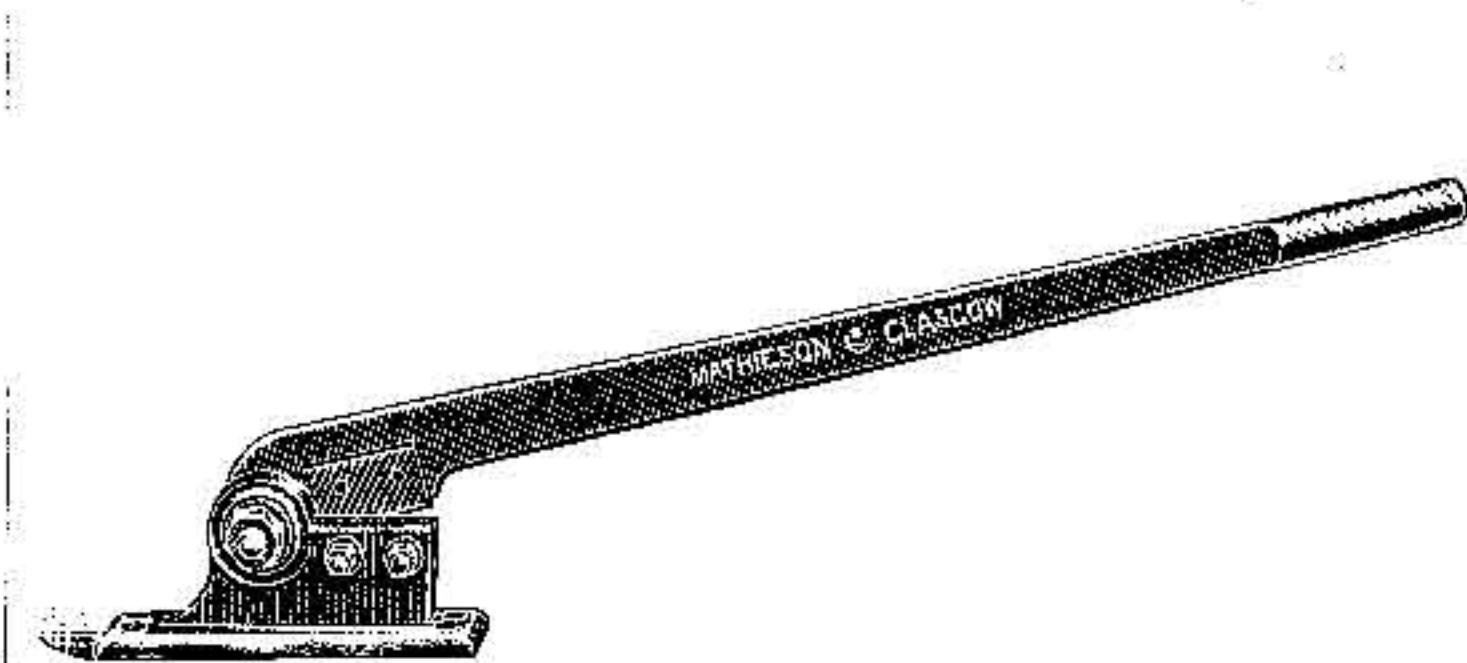
No. 6.

Tinsmith's Bending Rollers, with Steel Rolls.

															Price Each.	
No.	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
No. 1—Rollers 26 in. long, 1½ in. diameter,	No. 1,	...	...	...	...	...	£7 13 0	
No. 2—Rollers 31 in. long, 1¾ in. diameter,	No. 2,	...	...	...	...	...	9 0 0	
No. 3—Rollers 37 in. long, 2 in. diameter,	No. 3,	...	...	...	...	...	12 7 6	
No. 4—Rollers 37 in. long, 2¼ in. diameter,	No. 4,	...	...	...	...	...	16 6 0	
No. 5—Rollers 38 in. long, 2½ in. diameter,	No. 5,	...	...	...	...	...	19 4 0	
No. 6—Rollers 40 in. long, 2¾ in. diameter,	No. 6,	...	...	...	...	...	26 15 6	
No. 7—Rollers 50 in. long, 3 in. diameter,	No. 7,	...	...	...	...	...	31 17 6	
No. 8—Rollers 50 in. long, 3 in. diameter, with Gear Wheels,	No. 8,	...	...	...	...	...	40 10 0	



Circle Cutting Machines—Nos. 1 and 2.



No. 15—Small Bench Shears.

For Hoop Iron.

Price 31/6 each.

Price each.

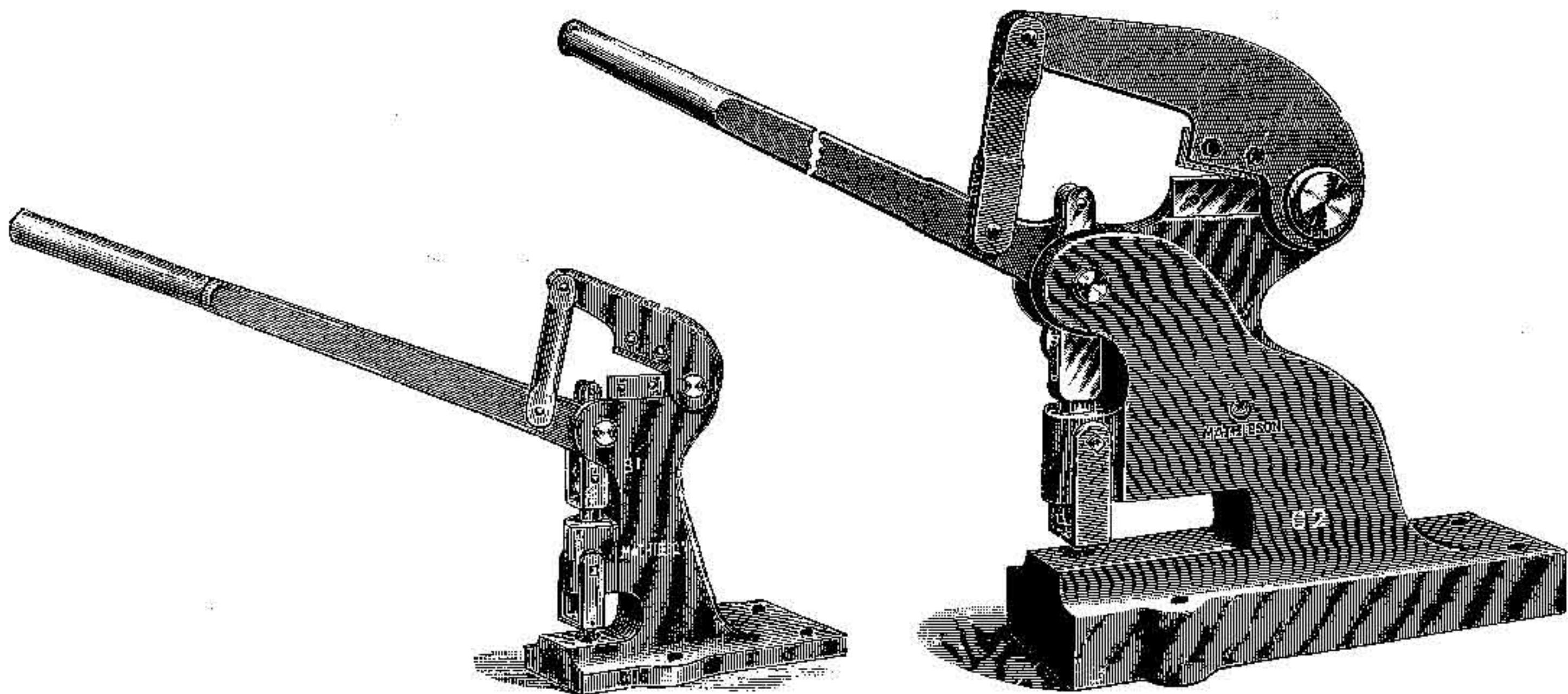
No. 1 Cuts Circles from 2½ to 14 in. dia., with 1 pair Cutters, £6 8 0

No. 2 Cuts Circles from 3 to 18 in. dia., with 1 pair Cutters, 10 2 6

Extra Cutters for No. 1, 10/- ; for No. 2, 15/3 per pair.

HAND LEVER PUNCHING MACHINES.

With Clipping Attachment.



HAND LEVER PUNCHING MACHINES, with Clipping Attachment.

													With 1 Punch and Bolster. Price, £4 16 6 each.
B1—Will Punch $\frac{3}{8}$ in. dia. holes through $\frac{1}{2}$ in. iron, $1\frac{1}{2}$ in. gap, ...	...	...	...	...	...	...	...	...	...	...	...	...	5 6 0 ,,
B2—Will Punch $\frac{1}{2}$ in. dia. holes through $\frac{1}{2}$ in. iron, $4\frac{1}{2}$ in. gap, ...	...	...	...	...	...	...	...	...	...	...	...	...	6 8 0 ,,
B3—Will Punch $\frac{1}{2}$ in. dia. holes through $\frac{1}{2}$ in. iron, 10 in. gap, ...	...	...	...	...	...	...	...	...	...	...	...	...	7 4 0 ,,
C1—Will Punch $\frac{1}{2}$ in. dia. holes through $\frac{1}{2}$ in. iron, 2 in. gap, ...	...	...	...	...	...	...	...	...	...	...	...	...	7 17 6 ,,
C2—Will Punch $\frac{1}{2}$ in. dia. holes through $\frac{1}{2}$ in. iron, 6 in. gap, ...	...	...	...	...	...	...	...	...	...	...	...	...	15 3 6 ,,
D1—Will Punch $\frac{3}{8}$ in. dia. holes through $\frac{3}{8}$ in. iron, 5 in. gap, ...	...	...	...	...	...	...	...	...	...	...	...	...	18 0 0 ,,
D2—Will Punch $\frac{3}{8}$ in. dia. holes through $\frac{3}{8}$ in. iron, 9 in. gap, ...	...	...	...	...	...	...	...	...	...	...	...	...	18 0 0 ,,

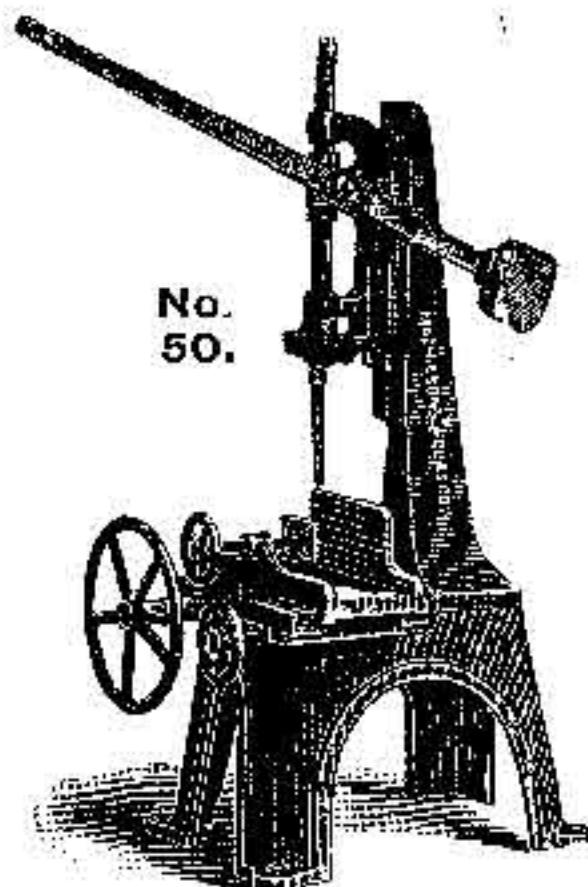
Extra Round Punches, $\frac{1}{8}$, $\frac{3}{16}$ or $\frac{1}{4}$ in., for B1, B2, and B3 Machines, 1/10 each; for C1 and C2 Machines, 2/8 each.Extra Round Bolsters, $\frac{1}{8}$, $\frac{3}{16}$ or $\frac{1}{4}$ in., for B1, B2, and B3 Machines, 2/8 each; for C1 and C2 Machines, 3/- ,,Extra Round Punches, $\frac{1}{8}$, $\frac{5}{16}$ or $\frac{3}{8}$ in., for D1 and D2 Machines, 5/6 ,,Extra Round Bolsters, $\frac{1}{8}$, $\frac{5}{16}$ or $\frac{3}{8}$ in., for D1 and D2 Machines, 6/8 ,,

Above sizes kept in stock; other sizes and shapes to order.

C11—Hand Lever Punching Machine, with Clipping Attachment, 2 in. gap, adapted to Punch two holes at one operation in Wool Bale Hoops for Studs, complete with Punch Holder, and 2 Oval Punches, and Bolster to correspond.

PRICE, £17 2 0 EACH.

HAND MORTISING and BORING MACHINES.

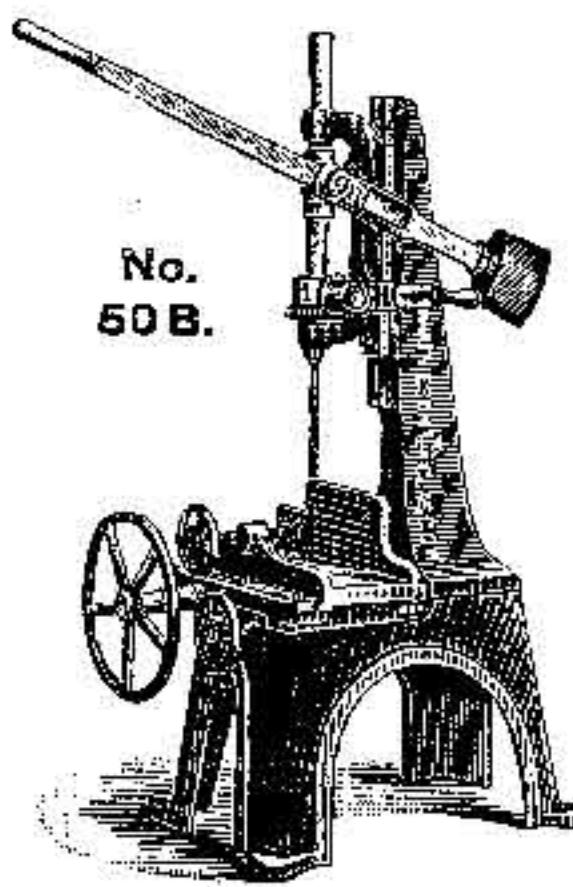


HAND MORTISING MACHINE.

"STAR" PATTERN.

Stroke $5\frac{1}{2}$ in. Will mortise a Rail 11 in. deep by $5\frac{1}{2}$ in. thick, with 8 Chisels assd. $\frac{1}{4}$ to $\frac{3}{4}$ in., and 2 Blaze Drivers—1 each, $\frac{1}{4}$ and $1\frac{1}{8}$ in.

PRICE, £21 10 0 EACH.

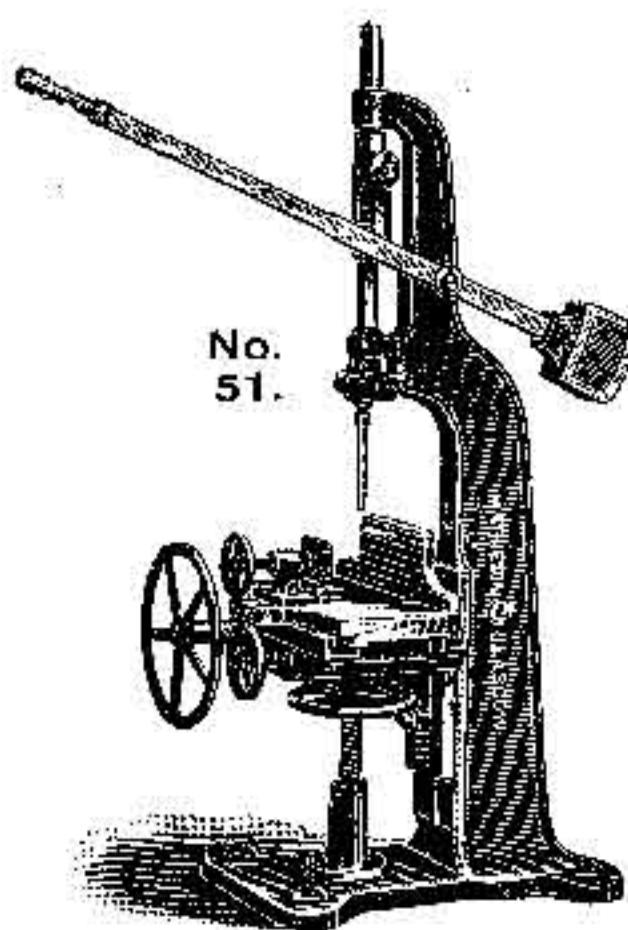


HAND MORTISING & BORING MACHINE.

"STAR" PATTERN.

Stroke $5\frac{1}{2}$ in. Will mortise a Rail 11 in. deep by $5\frac{1}{2}$ in. thick, with 8 Chisels assd. $\frac{1}{4}$ to $\frac{3}{4}$ in., and 2 Blaze Drivers—1 each, $\frac{1}{4}$ and $1\frac{1}{8}$ in.; 6 Augers, $\frac{3}{8}$ to $\frac{3}{4}$ in.

PRICE, £25 10 0 EACH.

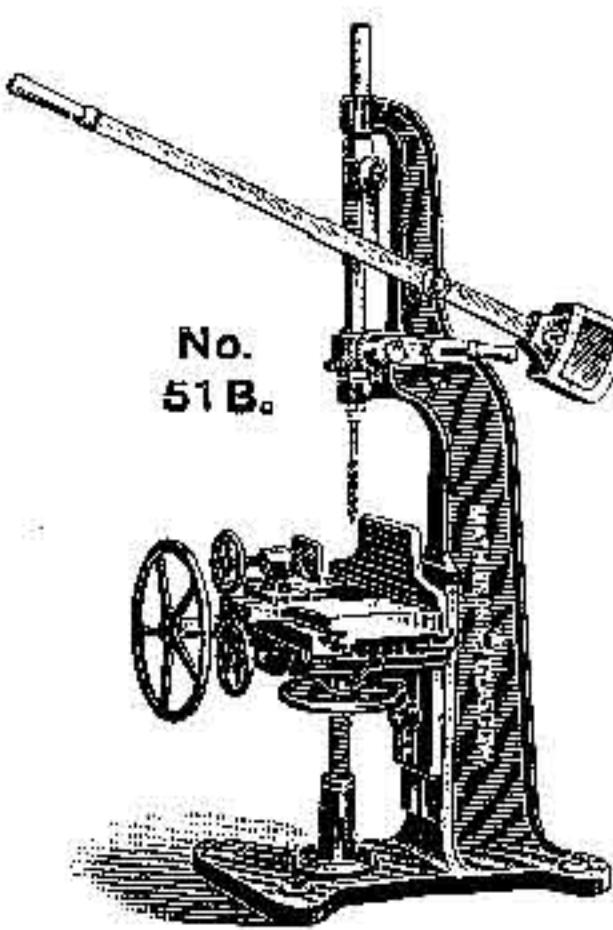


HAND MORTISING MACHINE.

"CRESCENT" PATTERN.

Stroke $5\frac{1}{2}$ in. Will mortise a Rail 11 in. deep by 8 in. thick, with 8 Chisels assd. $\frac{1}{4}$ to $\frac{3}{4}$ in., and 2 Blaze Drivers—1 each, $\frac{1}{4}$ and $1\frac{1}{8}$ in.

PRICE, £25 10 0 EACH.



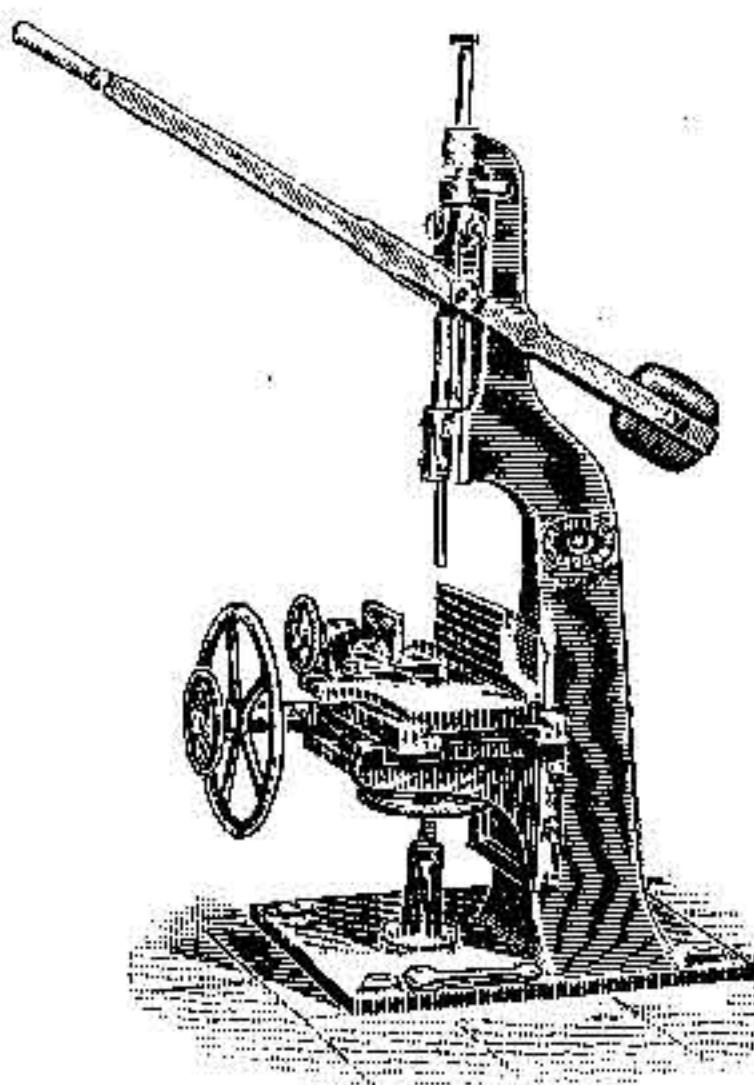
HAND MORTISING & BORING MACHINE.

"CRESCENT" PATTERN.

Stroke, $5\frac{1}{2}$ in. Will mortise a Rail 11 in. deep by 8 in. thick, with 8 Chisels assd. $\frac{1}{4}$ to $\frac{3}{4}$ in., and 2 Blaze Drivers—1 each, $\frac{1}{4}$ and $1\frac{1}{8}$ in.; 6 Augers, $\frac{3}{8}$ to $\frac{3}{4}$ in.

PRICE, £29 0 0 EACH.

HAND MORTISING and BORING MACHINES.



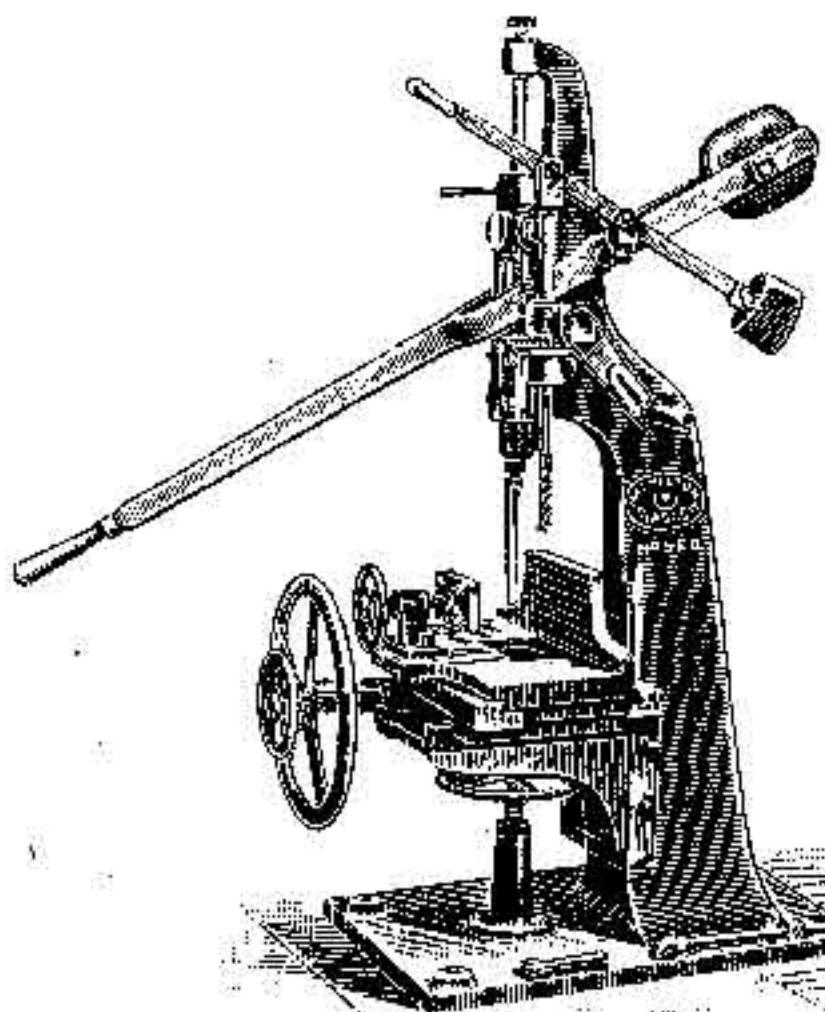
No. 52.

IMPROVED HAND MORTISING MACHINE.

"SARACEN" PATTERN.

Stroke 6 in. Will mortise a Rail 11 in. deep \times 8 in. thick,
with 8 Chisels $\frac{1}{8}$ in. to $\frac{3}{8}$ in., and 2 Blaze Drivers—1 each,
 $\frac{1}{8}$ in. and $\frac{7}{16}$ in.

PRICE, £34 10 0 EACH.



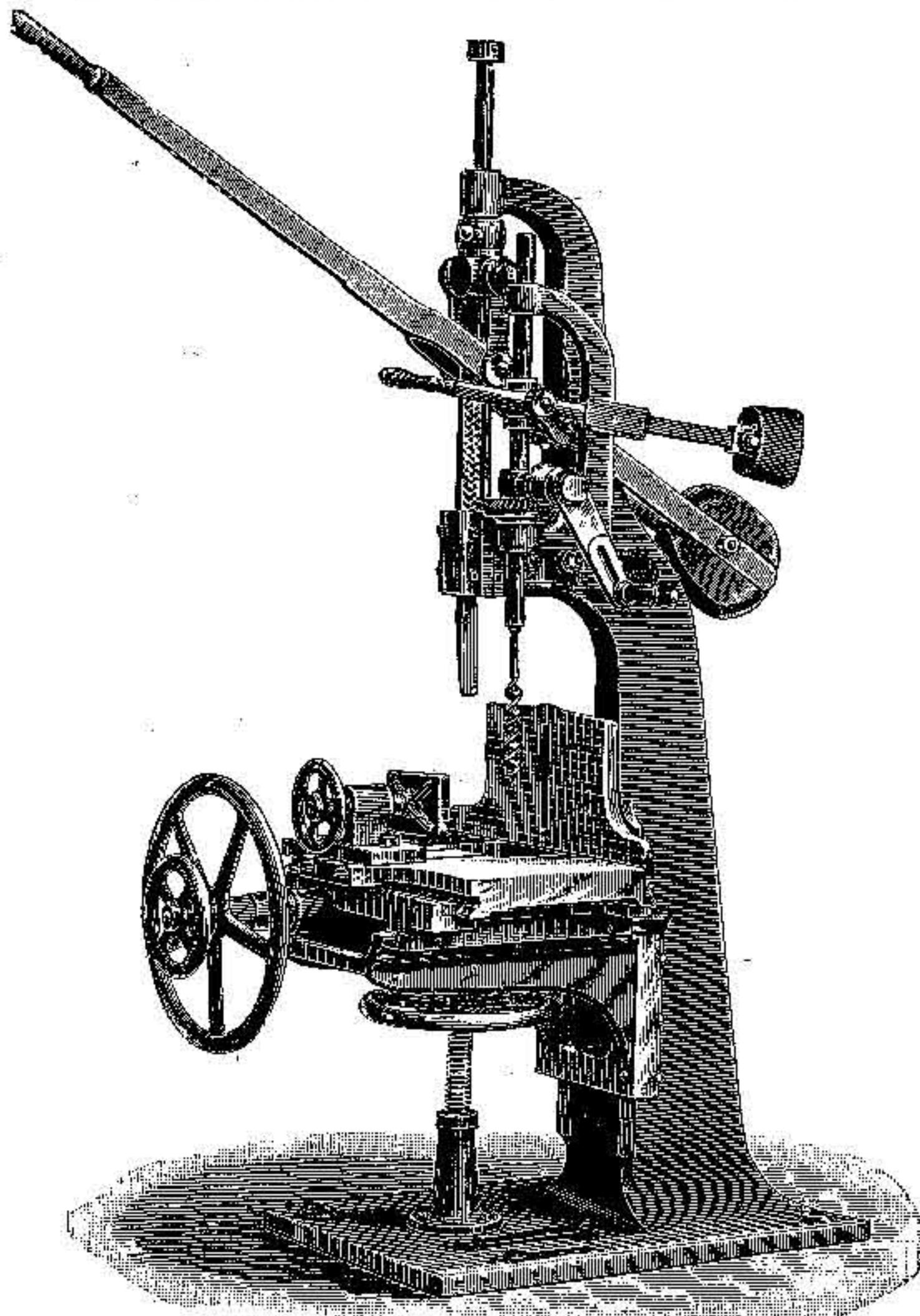
No. 52B.

IMPROVED HAND MORTISING MACHINE, WITH
BORING ATTACHMENT.

"SARACEN" PATTERN.

Stroke 6 in. Will mortise a Rail 11 in. deep \times 8 in. thick,
with 8 Chisels, $\frac{1}{8}$ in. to $\frac{3}{8}$ in., 2 Blaze Drivers—1 each $\frac{1}{8}$ in.
and $\frac{7}{16}$ in.; and 6 Augers, $\frac{3}{8}$ in. to $\frac{3}{4}$ in.

PRICE, £42 0 0 EACH.



No. 53.

No. 53.

HAND MORTISING MACHINE WITH BORING
ATTACHMENT.

ENLARGED "SARACEN" PATTERN.

Stroke, 6 inches, and will Mortise a Rail 12 inches deep \times 11
inches thick.

With One Screw Auger, each $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, 1 in.With One C.S. Chisel, each $\frac{1}{8}$, $\frac{5}{32}$, $\frac{3}{16}$, $\frac{7}{32}$, $\frac{1}{4}$, $\frac{9}{32}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, 1 in.With One Blaze Driver, each, $\frac{1}{8}$, $\frac{7}{16}$ inch.

PRICE, £51 15 0 EACH.

The Machine can be supplied for Mortising only; price
(including Chisels and Blaze Drivers as above),

£41 0 0 EACH.

CHISELS and AUGERS for MORTISING MACHINES.



Mortising Machine Chisel.

	To	$\frac{1}{4}$	$\frac{2}{3}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	inch.
No. 60—Chisels for "Saracen" Mortising Machines,	10/6	12/-	12/9	each.	
No. 61—Chisels for "Star" and "Crescent" Mortising Machines,	9/-	—	—	—	
No. 62—Blaze Drivers for "Star," "Crescent," or "Saracen" Machines,	7/6	each.	

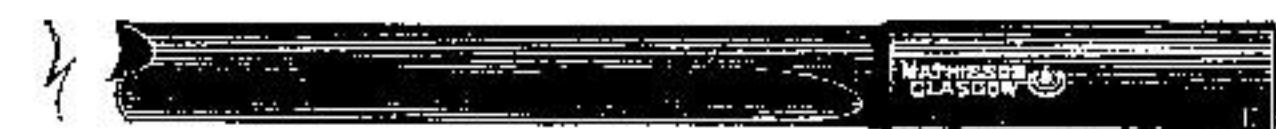


Grooved Back or Self-Coring Mortising Chisel.

No.	To	$\frac{1}{4}$	$\frac{2}{3}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	inch.
63—For "Saracen" or "Crescent" Machines, ....	....	18/-	19/6	22/6	—	—	—	—	—	—	each.
64—With Special Sized Tangs, say up to 2½ in. long \times 1 in. dia.,	22/6	23/3	24/-	27/-	30/-	33/-	33/-	36/-	36/-	40/6	,,
68—Boring Augers for "Star," "Crescent," or "Saracen" Machines, ....	....	....	....	....	....	....	....	9/-	10/6	10/6	each.

DOVETAILING and SLOT MORTISING TOOLS.

SLOT MORTISING TOOLS.



No. 70—S Mouth or Two Wing Pattern.



No. 71—Three Wing Pattern.

	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{2}$	inch.
Length from Tang....	3	4	4	4	4	5	5	6	6	6	6	6	6
No. 70—S Mouth or Two Wing Pattern,	10/-	10/6	10/6	10/6	10/9	12/-	12/9	13/6	15/-	18/-	20/3	24/9	each.
No. 71—Three Wing Pattern,	12/-	12/-	12/-	12/9	12/9	13/6	14/3	15/9	18/-	20/3	23/3	27/9	,

Larger Tangs than $\frac{3}{8}$ in. diameter, extra. Other Lengths, etc., to order.

DOVETAILING TOOLS.



No. 72—Hollow Pattern.



No. 73—Spiral Groove.



No. 74—Square Groove.

Sizes,	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	in. \times $\frac{1}{2}$ in. dia. Tang.
	$3\frac{7}{8}$	$3\frac{7}{8}$	4	$4\frac{1}{4}$	$4\frac{1}{2}$	in. long overall.
Price,	10/6	11/3	12/-	12/9	13/6	each.

EIGHTH EDITION CATALOGUE.

1899

ALEX. MATHIESON & SONS,

LIMITED

SARACEN TOOL WORKS, GLASGOW.



ESTABLISHED 1792.

BRANCH WAREHOUSES
EDINBURGH AND LIVERPOOL:

INTRODUCTION.

IN issuing the Eighth Edition of our ILLUSTRATED PRICE LIST, we desire to acknowledge the appreciation bestowed upon the Edition it supersedes, and hope that the present volume will be found still more serviceable.

The Goods have been more fully illustrated, and many new lines have been introduced. A Number has been given to each item to facilitate the clear specification of orders. The Prices have been carefully revised, and, in many cases, important reductions effected, to which we invite the examination of buyers.

We take the opportunity of thanking our numerous Customers for their continued confidence, and we hope this Edition of our Catalogue will lead to a further development of the business entrusted to us.

ALEX. MATHIESON & SONS, Ltd.
SARACEN TOOL WORKS,
GLASGOW, 1899.

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BENCH PLANES.

JACK PLANES

IRONS WITH NUTTED STEEL TOPS.

No.		17	17	17	18	18 in. long	
		2	2½	2½	2½	2½ in. iron	
700—C.S. Best Quality, Warranted,	"	5/	5/	5/3	5/9	— each	
701—	"	" Close Handle,	5/3	5/3	5/6	6/	6/3 "
702—G.S. Second Quality,	"	4/6	4/6	4/9	5/3	— "	
703—	"	" Close Handle,	4/9	4/9	5/	5/6	5/9 "
704—Spout Jack Plane, Round Face, C.S. Iron, 2½ in.,		8/6	"				
705—Pattern-makers' Jack Plane—Round across— with 6 Removable Soles, to suit different circles, and 6 Single Irons, 2 in., to correspond,		34/	"				
<i>In ordering No. 705, specify Circles required.</i>							

TRYING or JOINTER PLANES

IRONS WITH NUTTED STEEL TOPS.

	22	22	24	26	28	30 in. long	
	2½	2½	2½	2½	2½	2½ in. iron	
706—C.S. Best Quality, Warranted,	6/9	6/9	7/6	8/	8/6	9/	each
707—G.S. Second Quality,	6/3	6/3	7/	7/6	8/	8/6 "	

For Coopers' Jointer Planes, see Coopers' Tools.

SMOOTHING PLANES

IRONS WITH NUTTED STEEL TOPS.

	2	2½	2½	2½	2½	2½ in. iron	
708—C.S. Best Quality, Warranted,	3/9	4/	4/3	4/9	5/3	each	
709—G.S. Second Quality,	3/3	3/6	3/9	4/3	4/9	"	
710—Plated Steel Sole, C.S., Best Quality,	7/	7/3	7/6	—	—	"	
711—Iron Front,	"	"	9/	9/	9/3	—	"
712—Compass Sole,	"	"	4/3	4/6	4/9	—	"
713—	"	Steel Plated,	7/6	7/9	8/	—	"
714—	"	Wood Stop,	6/	6/3	6/6	—	"
715—	"	Boxwood T Stop,	7/6	7/6	7/9	—	"
	1½	1¾	2	2½	2¼	in. iron	

716—Hollow Sole or Forkstaff, C.S., Best Quality, 6/ 7/ 7/3 7/6 7/9 each

For Coopers' Smoothing, Stoup, and other Planes, see Coopers' Tools.

For Coachmakers' Smoothing Planes, see Coachmakers' Tools.

THIRD QUALITY BENCH PLANES, Stamped WITH DOUBLE IRONS.

	2	2½	2½ inch
717—Jack Planes,	... ...	3/3	3/4
718—Smoothing Planes,	... ...	2/6	2/7
719—Trying Planes,	... 22 in.,	4/6;	24 in. long, 5/

PANEL PLANES

IRONS WITH NUTTED STEEL TOPS.

No.		2½ inch,	6/3 each
720—Panel Planes, C.S., Best Quality,	"	"	
721—	" G.S., Second Quality,	2½ "	5/9 "
	" Slipped, extra,	2½ "	1/ "

SKEW or BADGER PLANES

IRONS WITH NUTTED STEEL TOPS.

	2½	2½	2½	2½	inch
722—Skew or Badger Planes, C.S., Best Quality,	8/6	8/9	9/	9/3	each
723—	"	"	"	"	if Fenced, each Fence, extra 2/6

FIELDING PLANES, Badger Mouth

IRONS WITH NUTTED STEEL TOPS.

	6/3 each
724—Smoothing Size, C.S., Best Quality, to 2 in., Single Iron,	6/3 each
725—	" " " Double " 8/3 "
	" " " each ½ in. extra, 6d "
726—	" " " in Sets of 3 (2 Single & 1 Double), 20/9 each Set

TOOTHING PLANES

	2 in., 3/3; 2½ in., 3/6 each
727—Tooothing Plane, 1 Iron,	Extra Irons, 1/2 each.

BOXMAKERS' FLOGGER PLANES

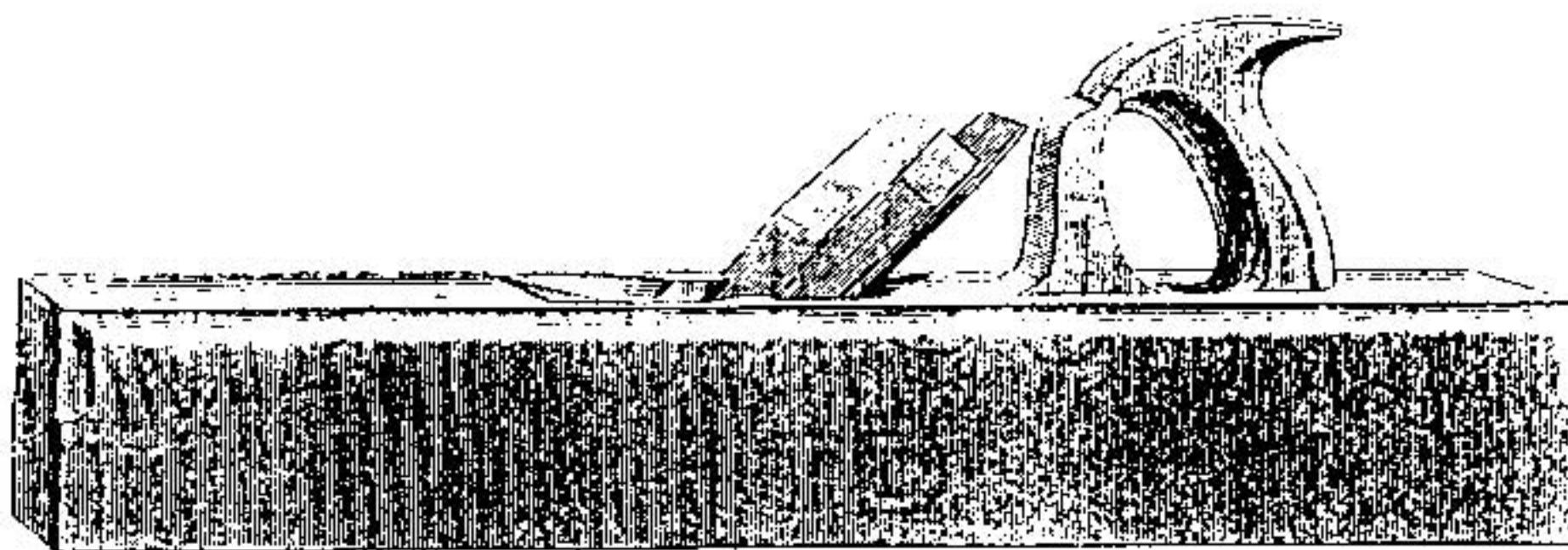
WITH C.S. SINGLE IRONS.

	2	2½ inch
728—Boxmakers' Floggers,	3/6 3/9 each

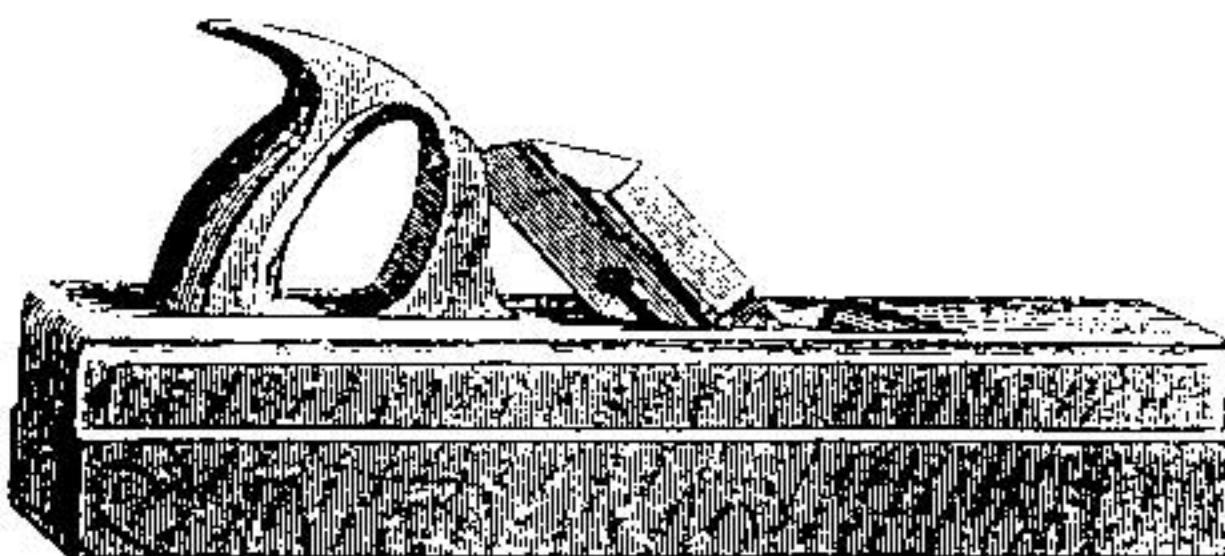
MAST or SPAR PLANES

	4/3 each
729—Hollow Sole, Mast or Spar, Planes, 2½ in., Single Iron,	4/3 each
730—	" " " Double " 5/9 "
731—	" with Checked Sides, 2½ " Single " 5/9 "
732—	" " " Double " 7/3 "

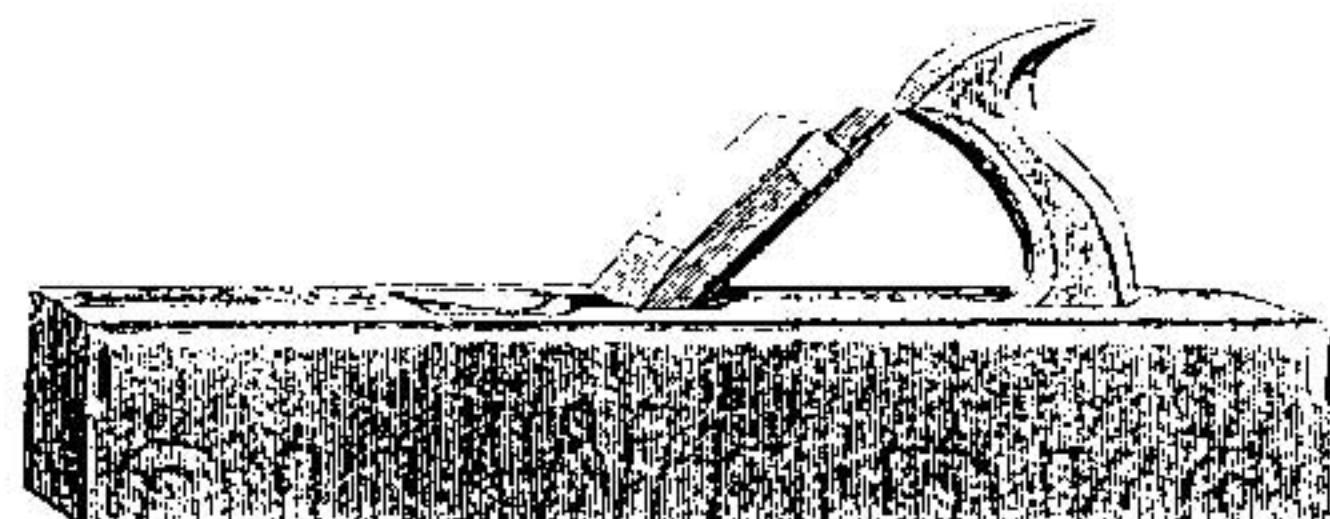
PLANES



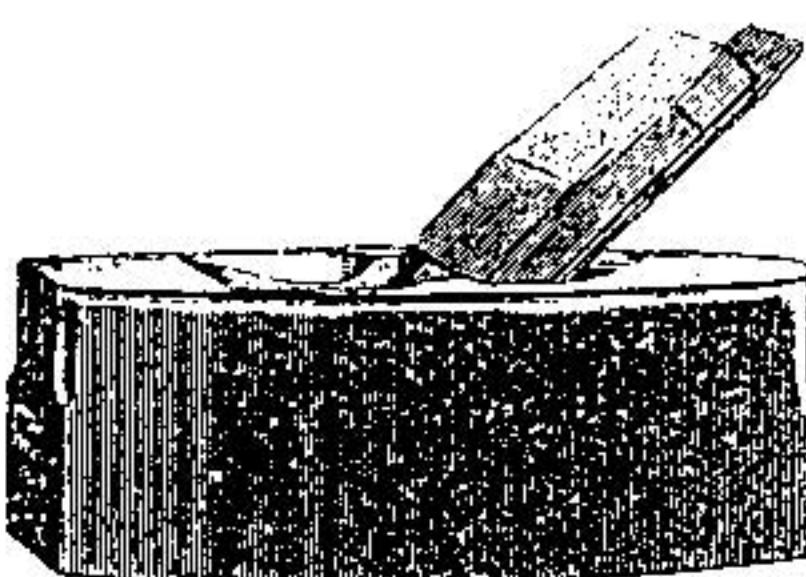
706 *Trying Plane*



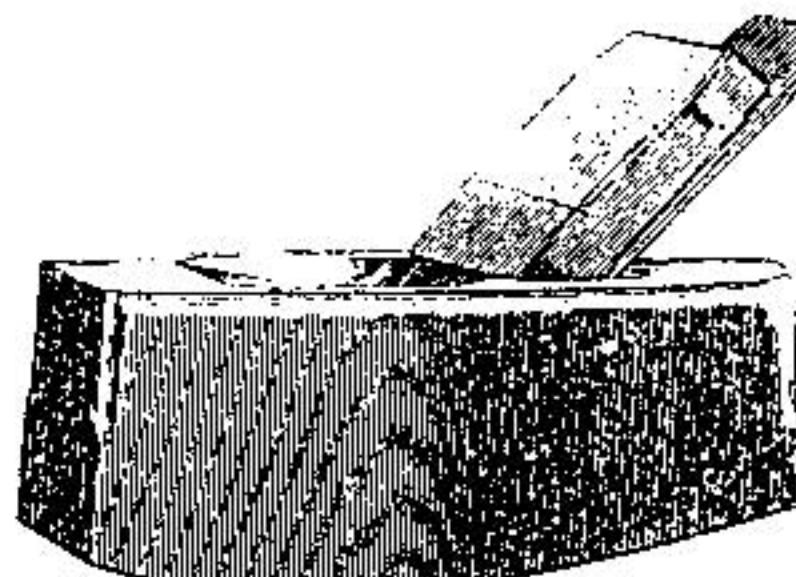
722 *Badger or Shew Plane*



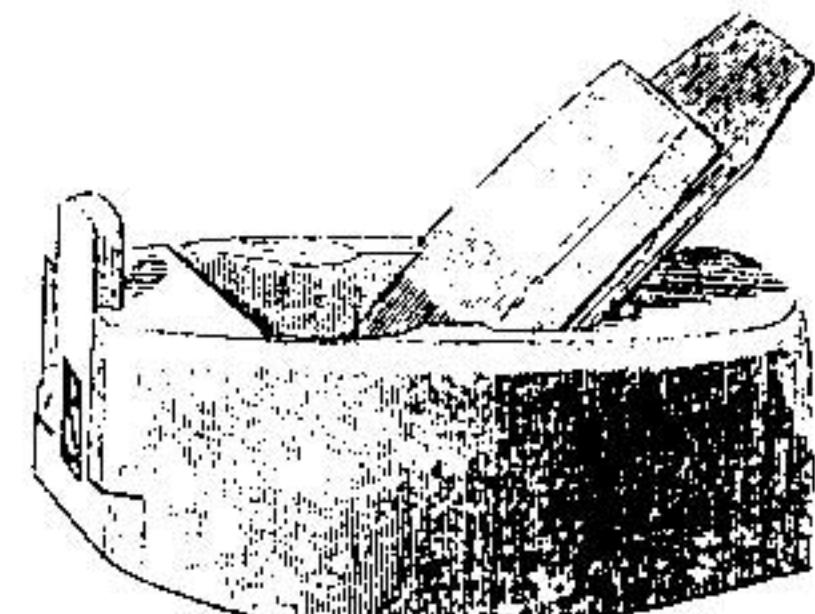
700 *Jack Plane*



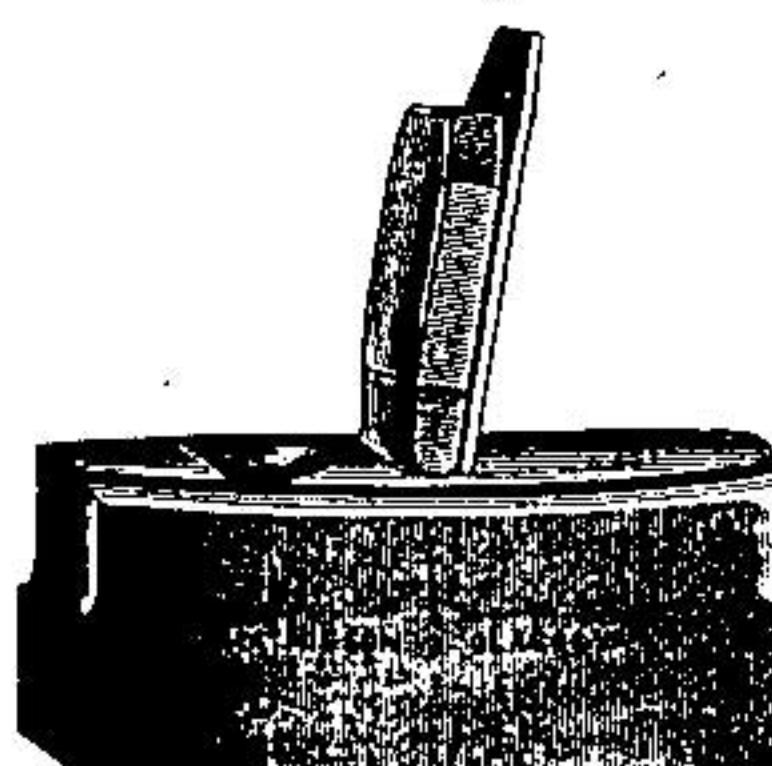
708 *Smoothing Plane*



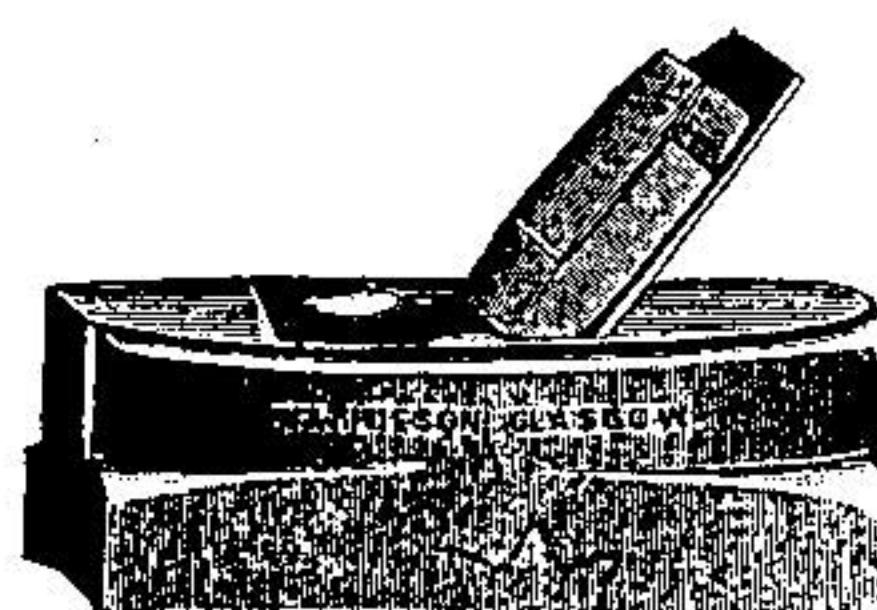
712 *Compass Smoothing Plane*



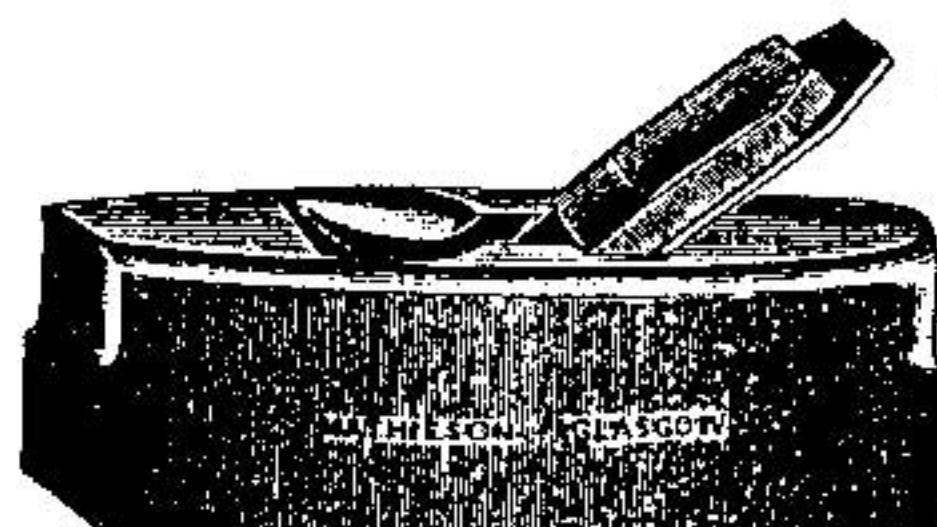
715 *Smoothing Plane
with Boxwood T Stop*



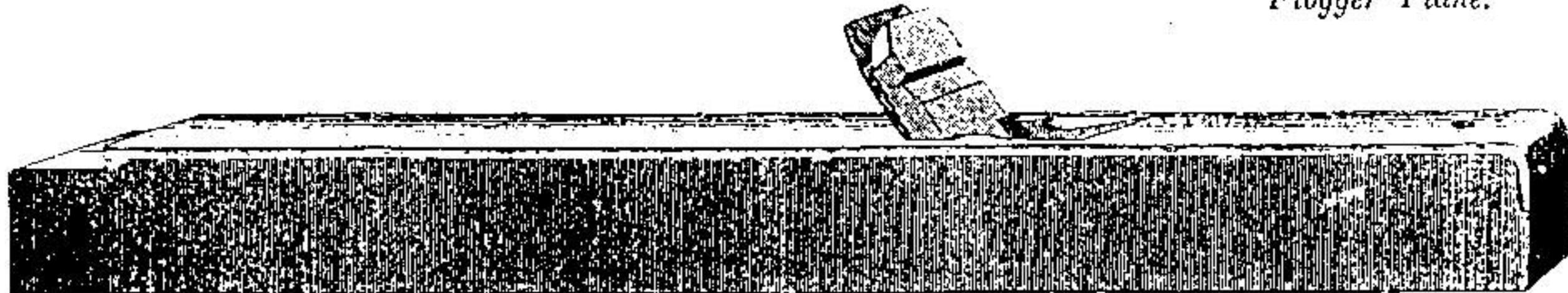
727 *Tooothing Plane.*



732 *Mast or Spar Plane.*



728 *Boxmakers'
Flogger Plane.*



Coopers Jointer Plane

PLANES—Continued.

GERMAN PATTERN JACK PLANES,

WITH HANDLE IN FRONT.

No.	With Single Iron,	1½	1½	1½	2	inch
	Length, ...	10	10	12	12	"
733—	... ... ...	3/6	3/6	3/9	4/3	each

GENT'S SMOOTHING and JACK PLANES.

734—	Gent's Smoothing, Single Iron, 1½, 1⅔, 1¾, or 1⅚ in.,	2/2	each
735—	" " Double "	2/8	"
736—	" Jack, Single "	1⅔ inch,	2/9 "
737—	" " Double "	... ...	3/3 "

TECHNICAL SCHOOL PLANES.

738—	Technical School Jack Planes, with Sunk Handle and Boxwood Striking Knob, 14 in. long, 1⅔ in. C.S., Double Irons,	5/3	each
739—	Technical School Smoothing Planes, with Handle in front, 1⅔ in. C.S., Double Irons,	5/	"

OLD WOMAN'S TOOTH PLANES.

740—	Old Woman's Tooth Plane, without Iron,	... 2/3	each
741—	" " with Iron,	... 3/	"

CHAMFERING PLANES.

742—	Chamfering Smooth Plane, with Brass Front, 1½ in., Single Iron,	2/9	each
743—	Chamfering or V Planes, Single, to 3 in.,	2/9	"
744—	" " Double, to 3 "	3/3	"

STEP NOSING PLANES.

	1	1½	1½	inch
745—	Step Nosing Planes,	3/9	4/6	5/3 each

SPILL PLANE.

746—	Spill Plane, for making Curled Shavings,	... 3/9	each
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THUMB PLANES.

No.	747—	Thumb or Modelling Smoothing, C.S., Single Iron, to 1½ in.,	1/10	each
	747—	" " " "	1½	" 2/ "
	748—	" Compass, "	1½	" 2/3 "
	749—	" Hollow, "	1½	" 2/8 "
	"	" if Boxwood, extra,	1/	"

Rabates, see page 5.

TURNING PLANES.

FOR MAKING ROUND HANDLES, &c.

750—	One Mortise, ... ... ... ...	... 11/6	each
751—	" faced with Brass, ... ... ...	... 15/6	"
752—	Two Mortises, ... ... ... ...	... 17/6	"
753—	" faced with Brass, ... ... ...	... 26/	"
754—	One Mortise, Wood Screw, Self-adjusting,	... 13/6	"
755—	Two "	... 21/	"

PANEL GAUGES.

756—	Gauges, Panel, Unhandled, Plain, with Key,	... 3/3	each
757—	" " Handled, " " "	6/	"
758—	" " " Brass Mounted, with Key,	8/9	"
759 {	" " " Brass Mounted, and Steel Top Plate, with Key,	10/	"
760 {	" " " Brass Mounted on Top and Fence, with Thumbscrew,	12/	"

MITRE or SHUTEING PLANES.

	With Single Irons, ...	3	3½	3½	inch
	Length,	18	18	18	"
761—	Skew Mouth, not Plated, Right Hand,	9/9	10/6	11/	each
762—	" " Left Hand,	9/9	10/6	11/	"
763—	" Steel Plated on Sole, Right Hand,	17/6	18/	19/	"
764—	" " " Left Hand,	17/6	18/	19/	"
765—	" " " & Side, Right Hand,	22/	22/6	23/	"
766—	" " " Left Hand,	22/	22/6	23/	"

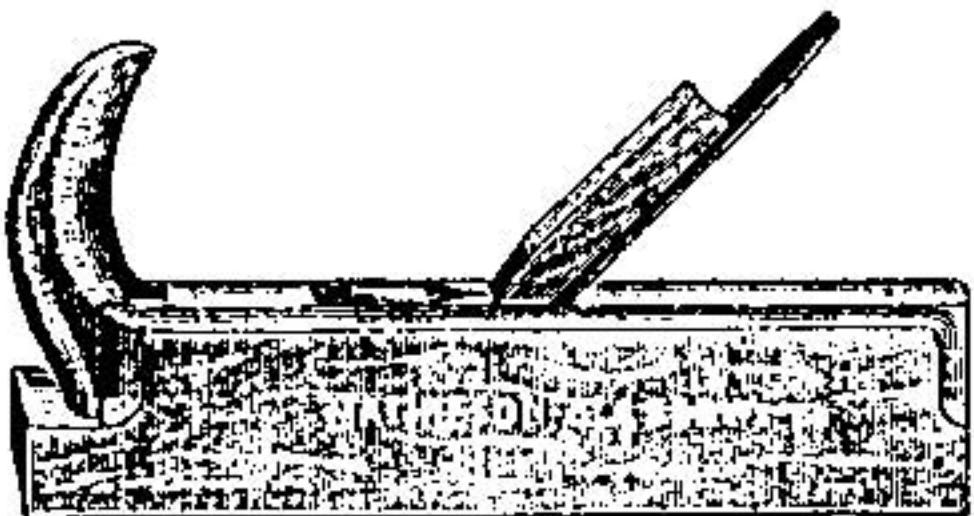
BEECH MITRE BLOCKS.

767—	Beech Mitre Blocks, Screwed, 9½ inch long,	17/	per doz.
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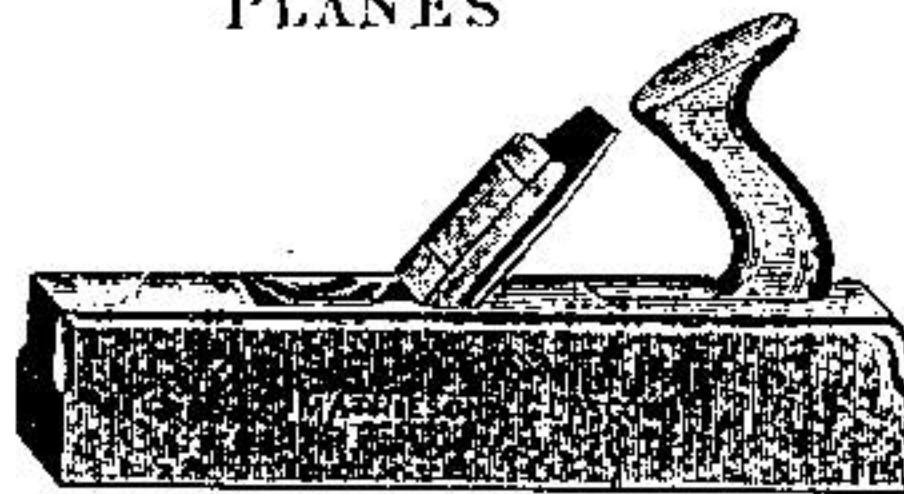
PLANE HANDLES, Best Quality.

768—Close, 8/6;	769—Open, 6/	per doz.
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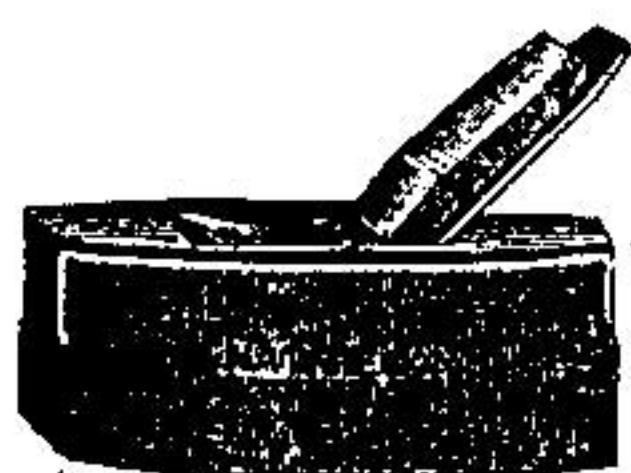
PLANES



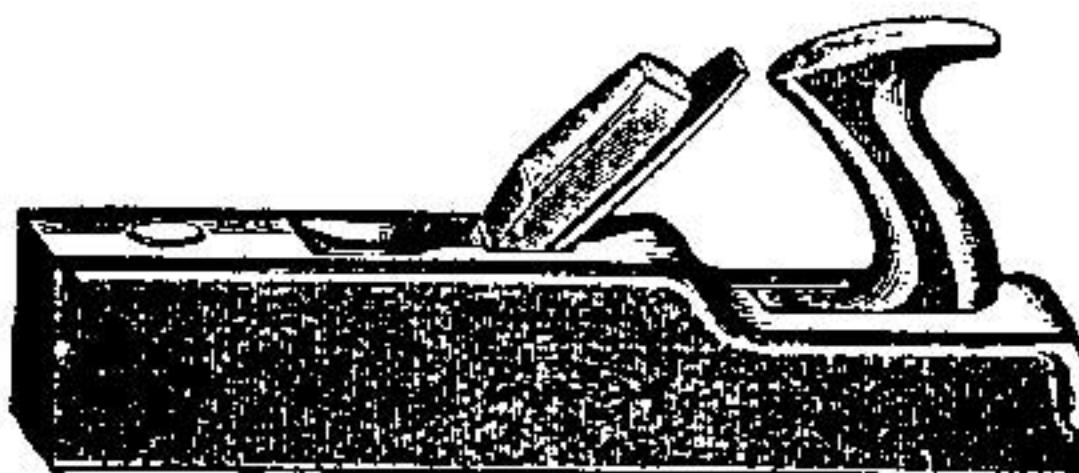
733 "German" Pattern Jack Plane.



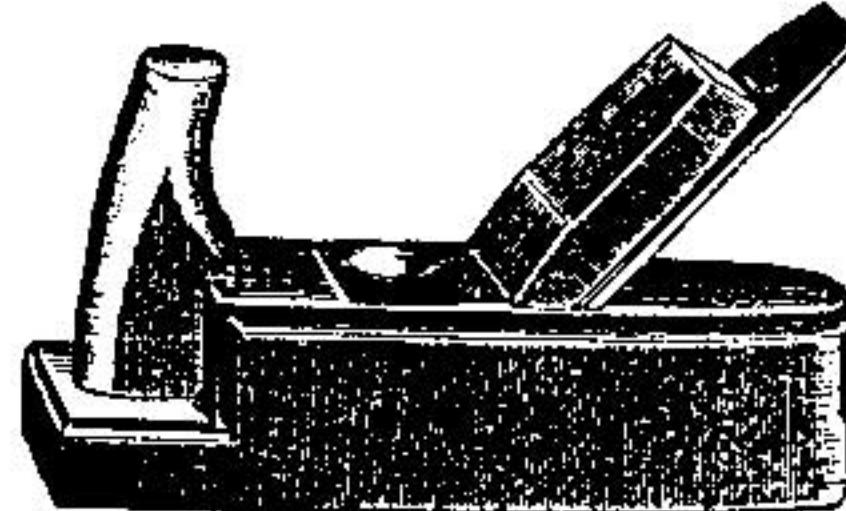
737 Gent.'s Jack Plane.



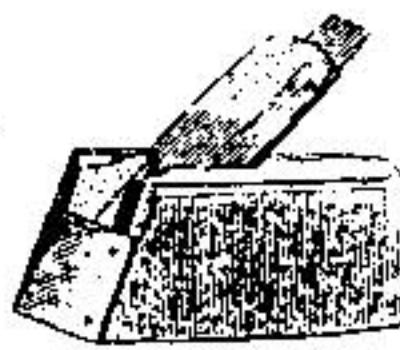
735 Gent.'s Smoothing Plane.



738 Technical School Jack Plane.

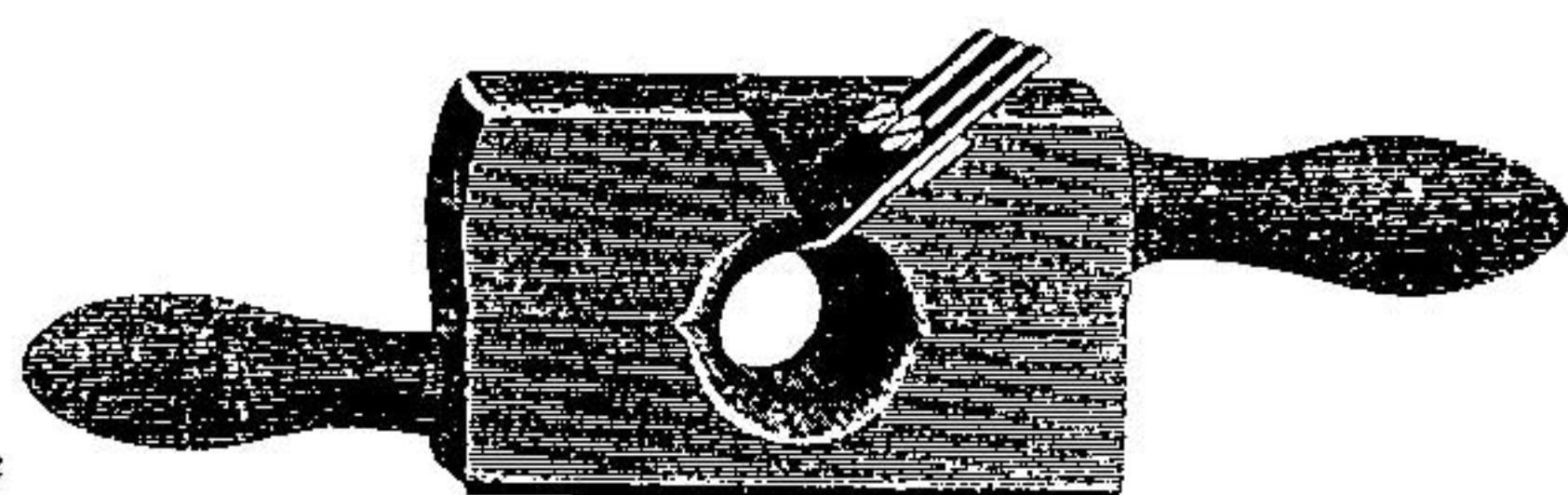


739 Technical School Smoothing Plane.

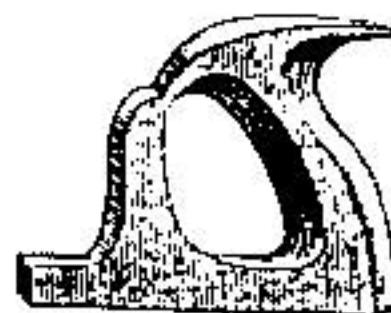
741 Old Woman's
Tooth Plane.

742

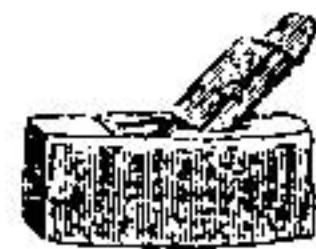
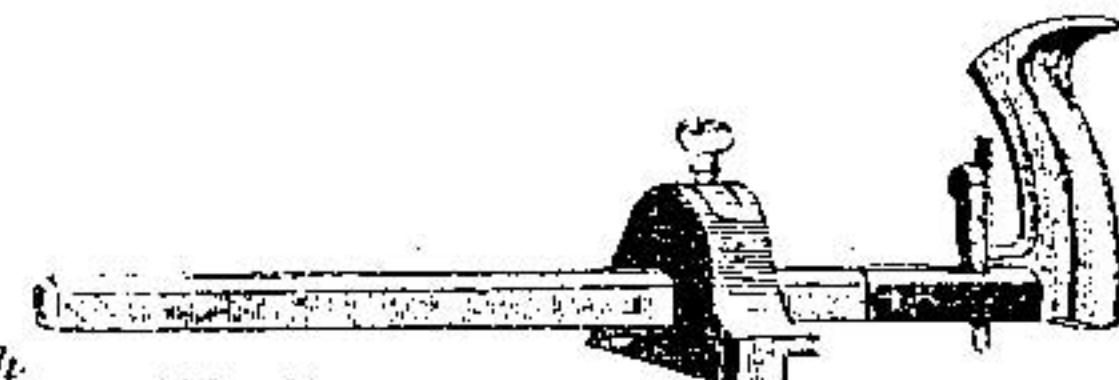
Champhering Smooth Plane



750 Turning Plane

768 Close
Plane Handles

746 Spill Plane

747 Thumb Smooth
Plane

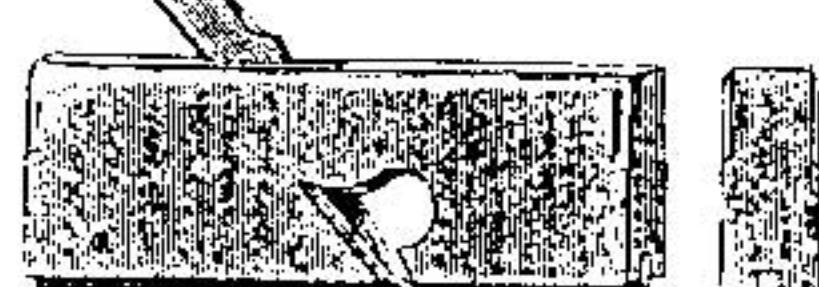
760 Handled Panel Gauge

769 Open
Plane Handles

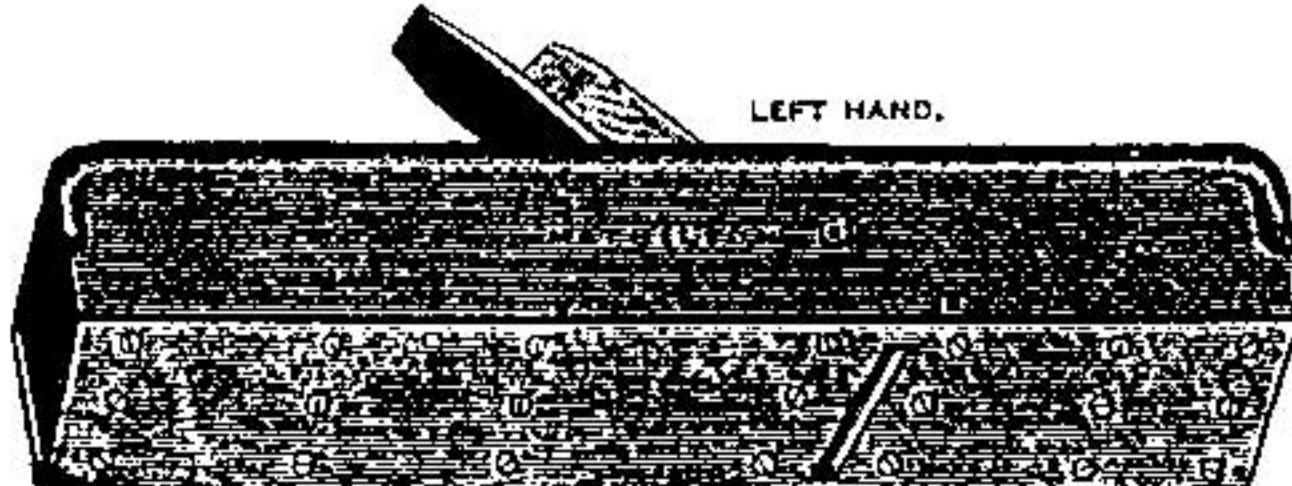
745 Step Nosing Plane



767 Mitre Block.



744 Double Champhering



LEFT HAND.



RIGHT HAND.

766 Left-hand Mitre Plane.

765 Right-hand Mitre Plane.

PLANES—Continued.

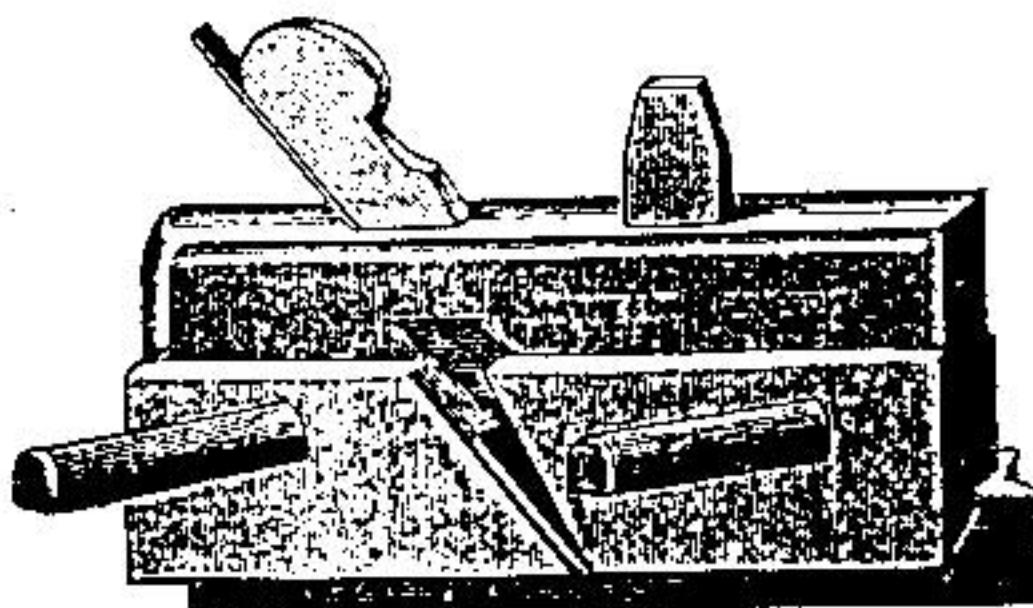
SASH FILLETSTER PLANES.

COMBINED SASH and MOVING FILLETSTER PLANES.

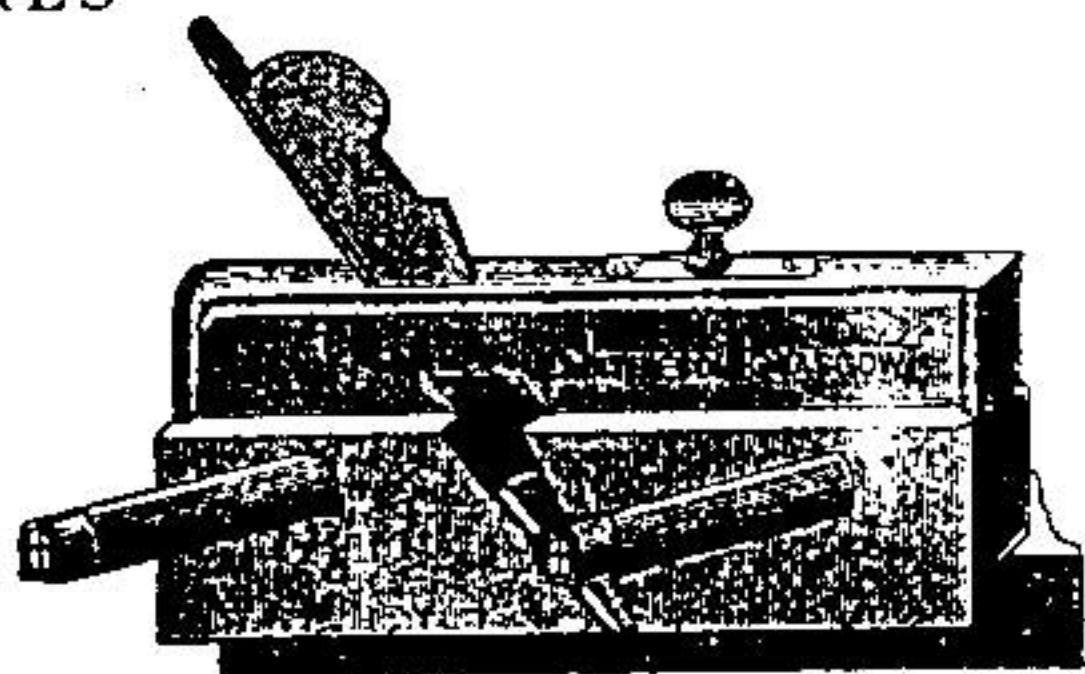
17—Sash and Moving Filletster in one, Double Stop, Dovetailed Boxed, 25/ each
 18— " " Solid Handle " " " " " " " " " " 30/ "

MOVING or FORE FILLETSTER PLANES.

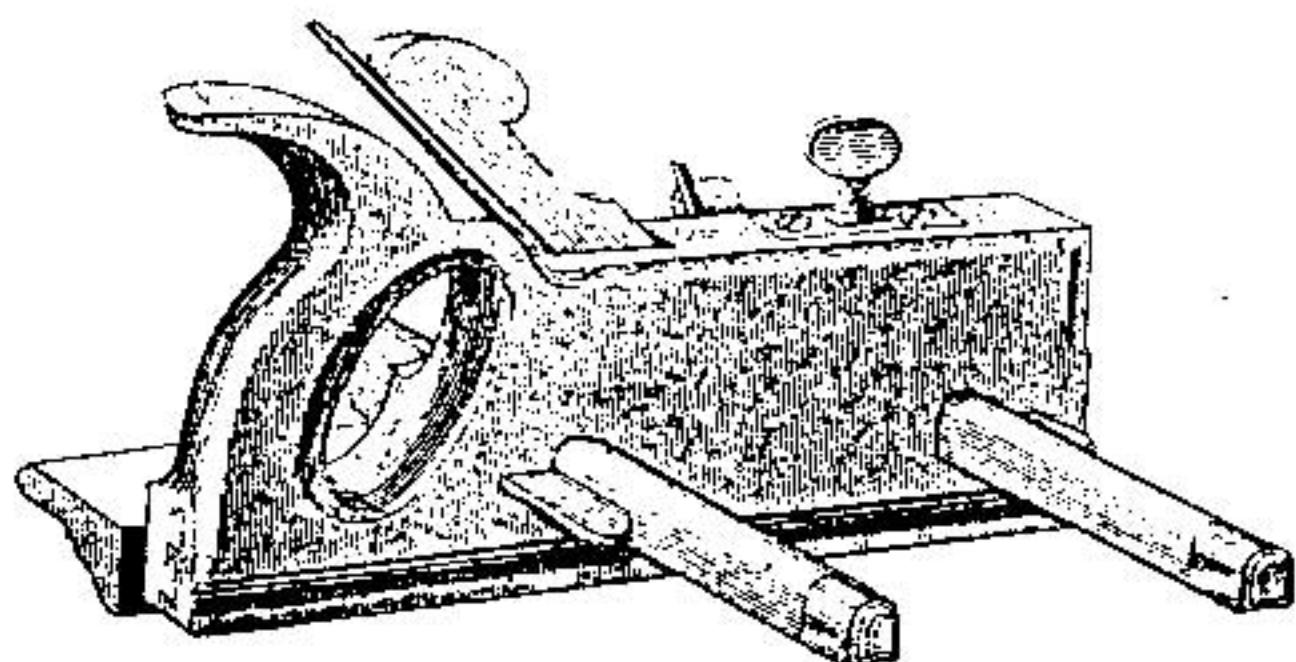
FILLETSTER PLANES



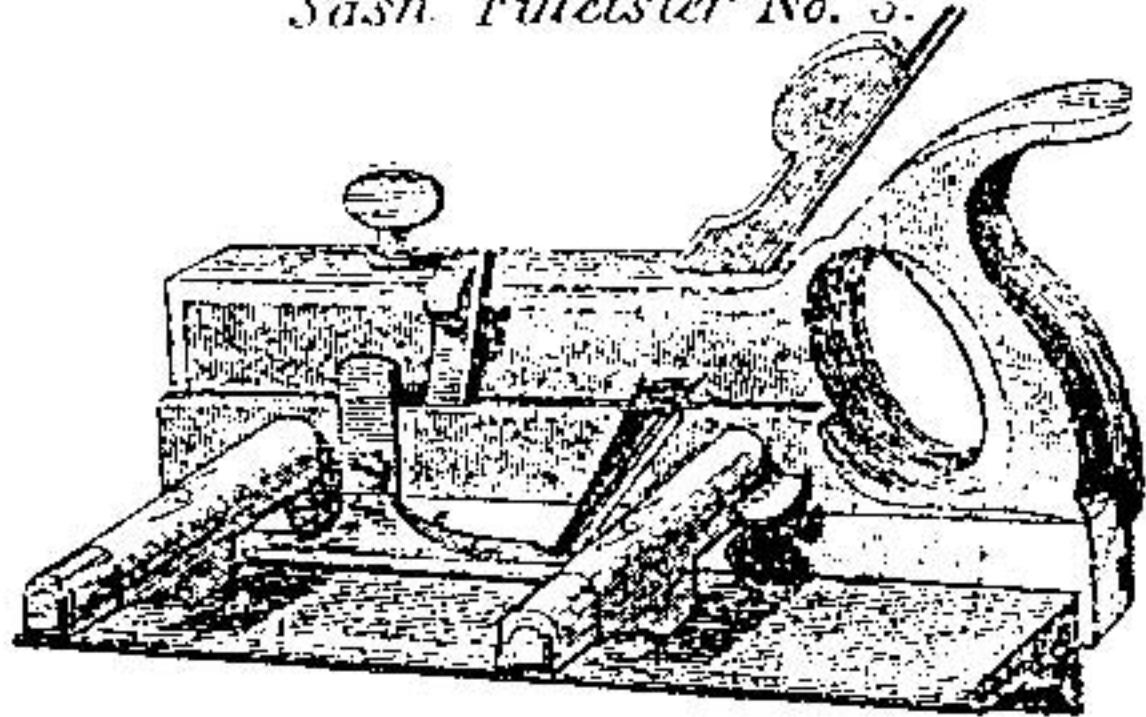
Sash Filletster No. 1.



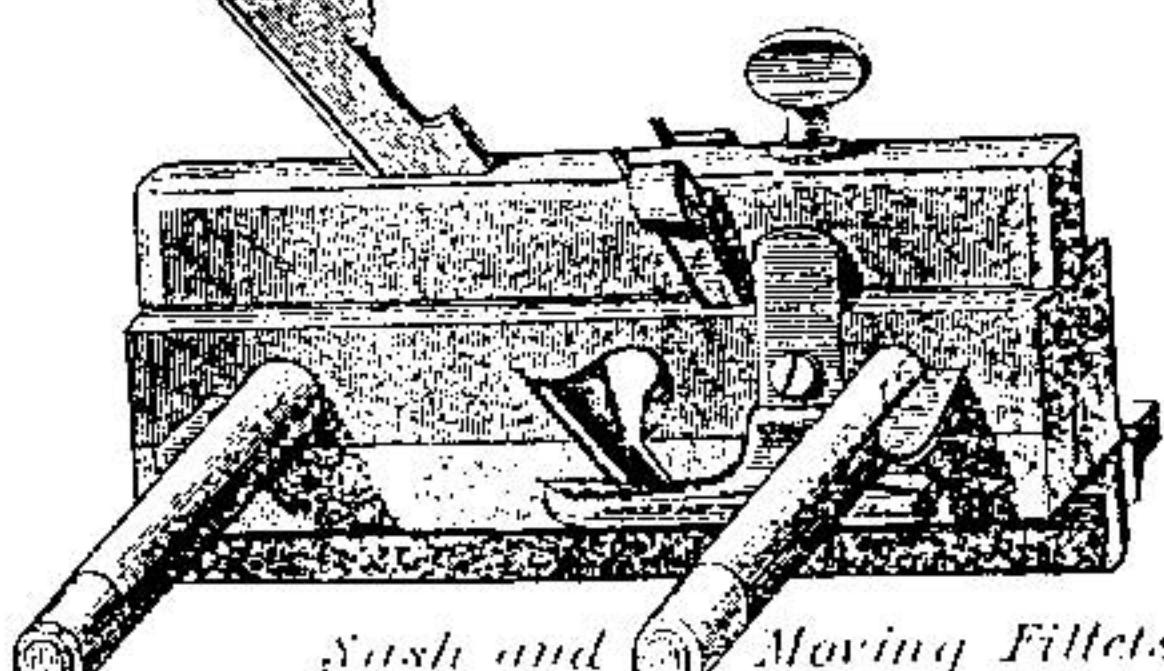
Sash Filletster No. 3.



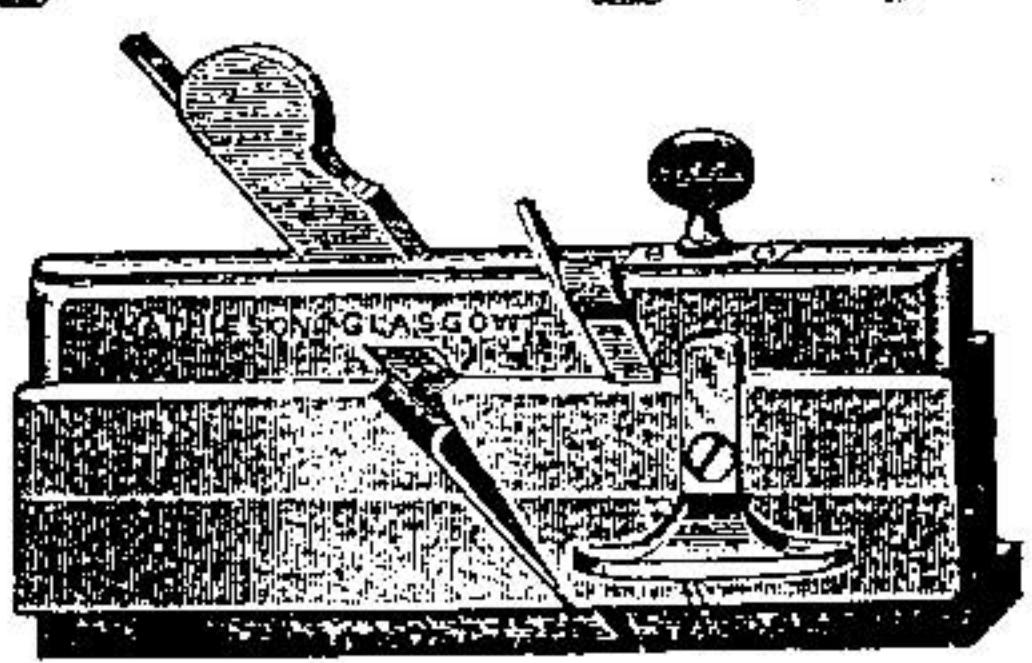
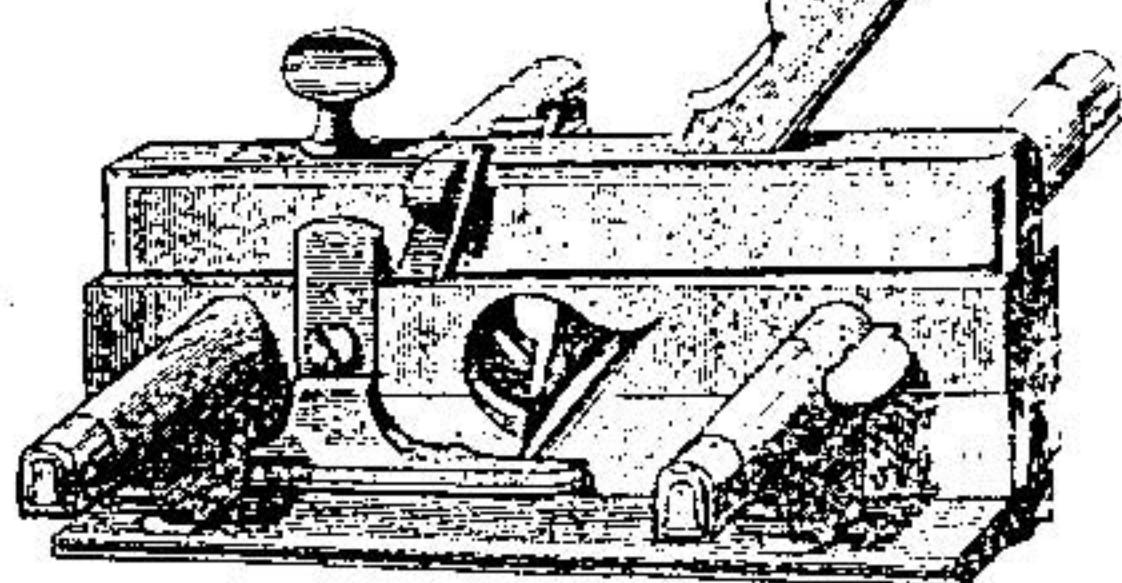
Handled Sash Filletster No. 19



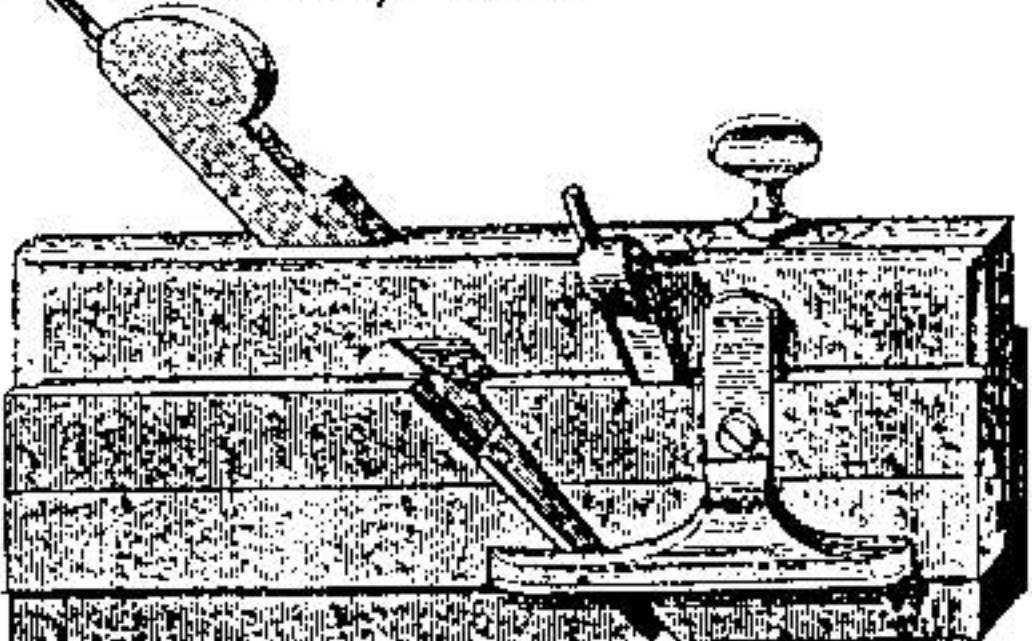
Handled Sash Filletster with Steel Bridle No. 14



Sash and Moving Filletster in one with double Stop No. 17



Moving or Fore Filletster No. 22.



Moving or Fore Filletster No. 24

PLATES—Continued.

FLIT PLOW PLANES.

No.

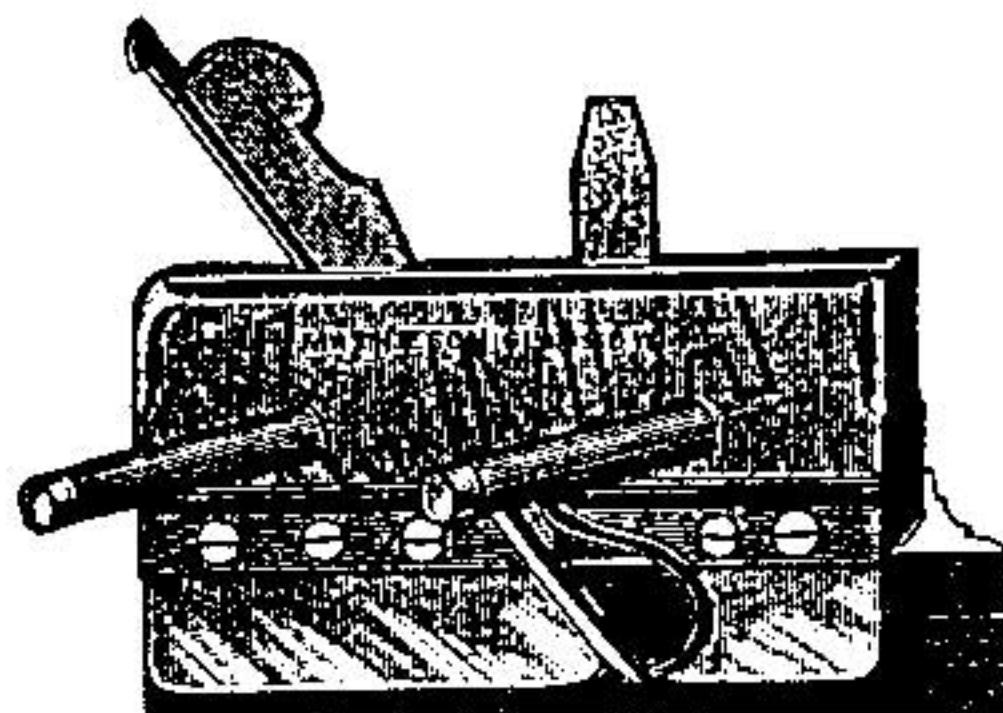
1—	Wood Stop, Round Brass Ferruled Stems,	... ... ... ... ... ... ... 1 Bright Iron,	8/6 each
2—	" " " " Double Plate,	... ... ... ... ... 6 " " 12/6 "	
3—	Screw Stop, Double Plate,	... ... ... ... ... ... 6 " " 15/ "	
4—	" Fence riveted to Stems, Keys and Diamonds,	... ... ... ... ... 8 " " 19/ "	
5—	Best Screw Stop and Plate, Ferruled,	... ... ... ... ... ... 8 " " 23/ "	
5A—	" " " extra work, Side Screw,	... ... ... ... ... 8 " " 24/ "	
5B—	" " " " Long Fore Plate, to Plane over Mortises,	8 " " 25/ "	
7—	" " Boxwood Screw Stems, Side Screw,	... ... ... ... ... 9 " " 26/6 "	
7B—	" " " " Long Fore Plate,	... ... ... 8 " " 27/6 "	
Nos. 5A, 5B, 7, and 7B, when with Solid Handle, are Nos. 8, 8B, 9, and 9B, as under.			
8—	Solid Handle, Best, Ferruled, Side Screw,	... ... ... ... ... ♦ Bright Irons,	28/ "
8B—	" " " Long Fore Plate,	... ... ... 8 " " 29/ "	
9—	" Boxwood Screw Stems, Side Screw,	... ... ... ... ... 8 " " 30/6 "	
9B—	" " " Long Fore Plate,	... ... ... 8 " " 31/6 "	
Nos. 8, 8B, 9, and 9B, when Unhandled, are Nos. 5A, 5B, 7, and 7B, as above.			
10—	Solid Handle, Patent Brass Slide Stems, Side Screw, Long Fore Plate, and French Polished,	... ... ... 39/ "	
11—	Steel Bridle, Side Screw, Long Fore Plate, and French Polished,	... ... ... 44/ "	
12—	Steel Bridle, Side Screw, Improved Angular Brass Stems, Brass Lined Fence, Long Fore Plate, and French Polished,	... ... ... ... ... } 54/ "	
EXTRAS.—Boxwood Fences instead of Beech,			
French Polishing (where not so stated),			
6—	To work Circular Work, 2 Stops, 2 Pair Plates,	... Usual set of 8 Irons, and 4 extra Irons, Fluted,	45/ "
13—	Small Cabinet Ploy, Shifting Fence, Screw Stop,	... ... ... ... 5 Bright Irons,	18/6 "

For Ploy Glass Checks, see page 5.

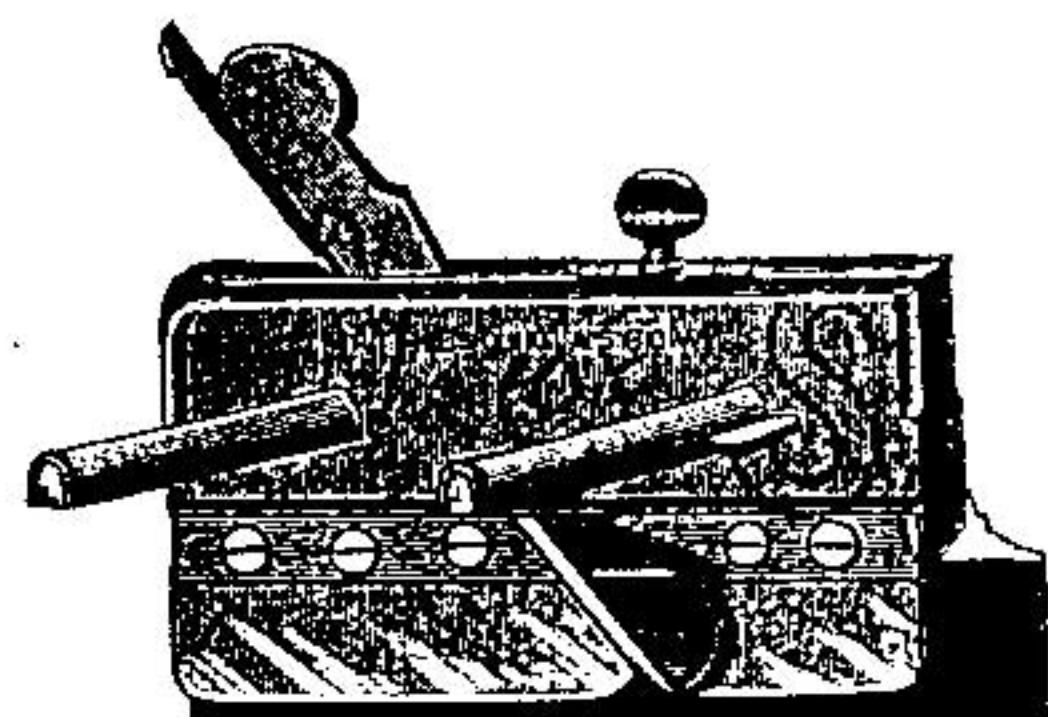
For Groovings or Match Plows, see page 5.

For Ploy Irons, see Light Edge Tools.

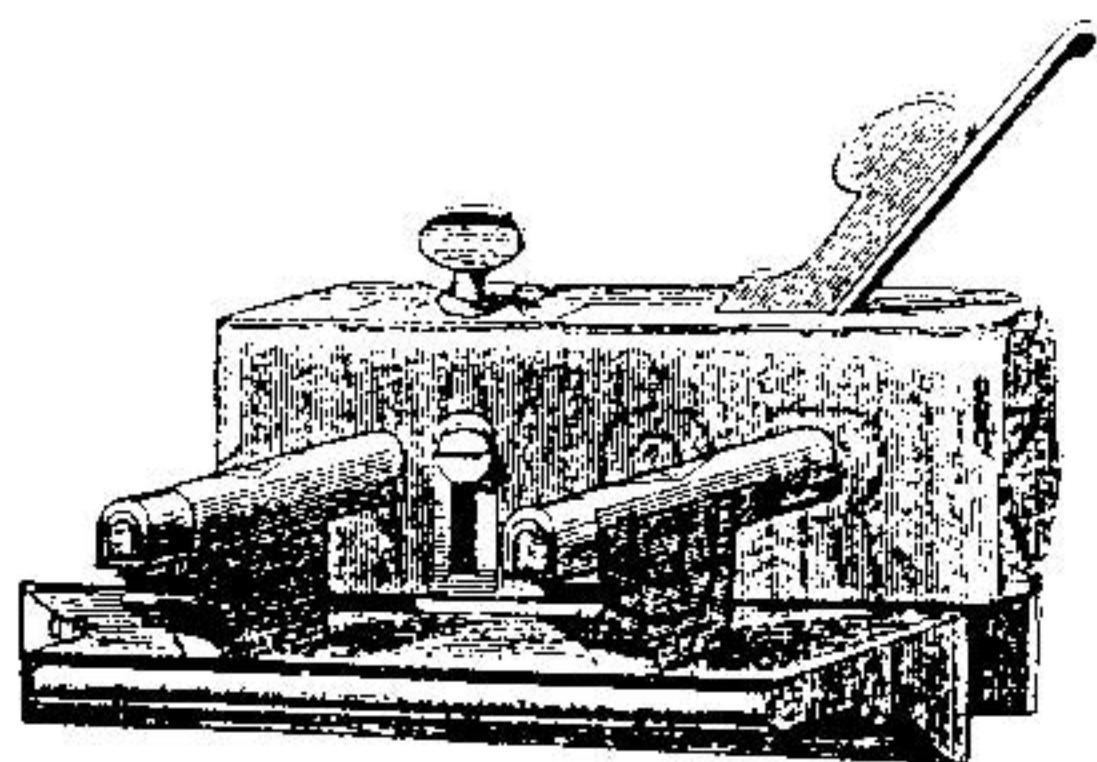
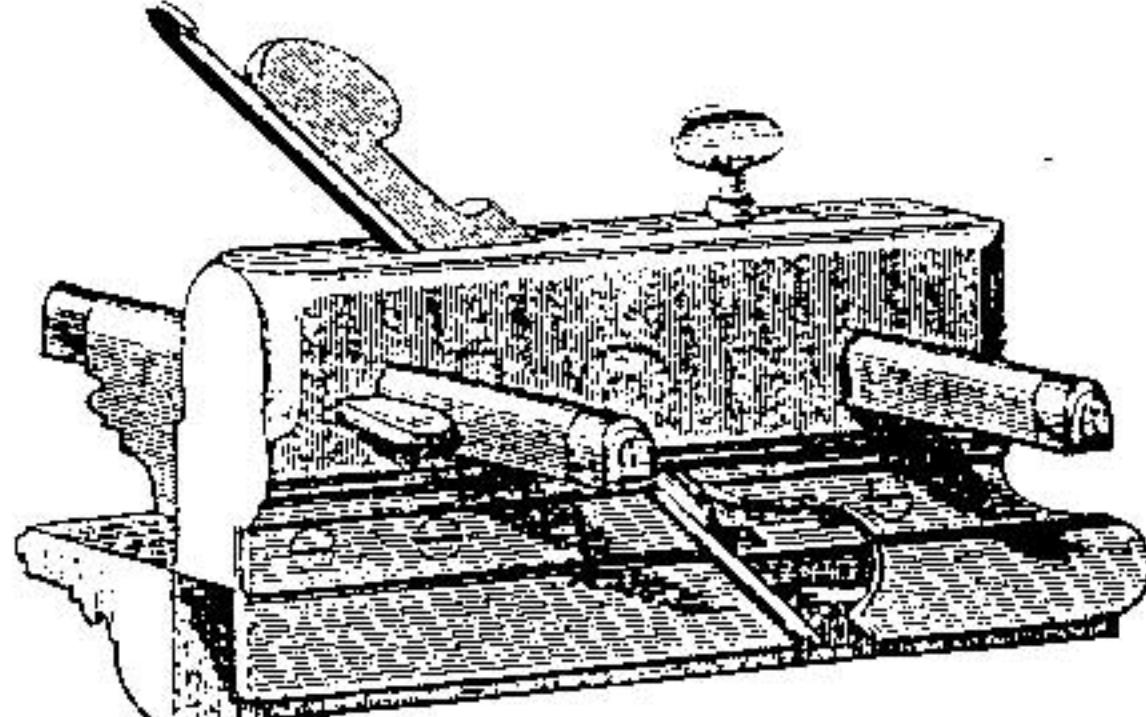
PLOW PLANES



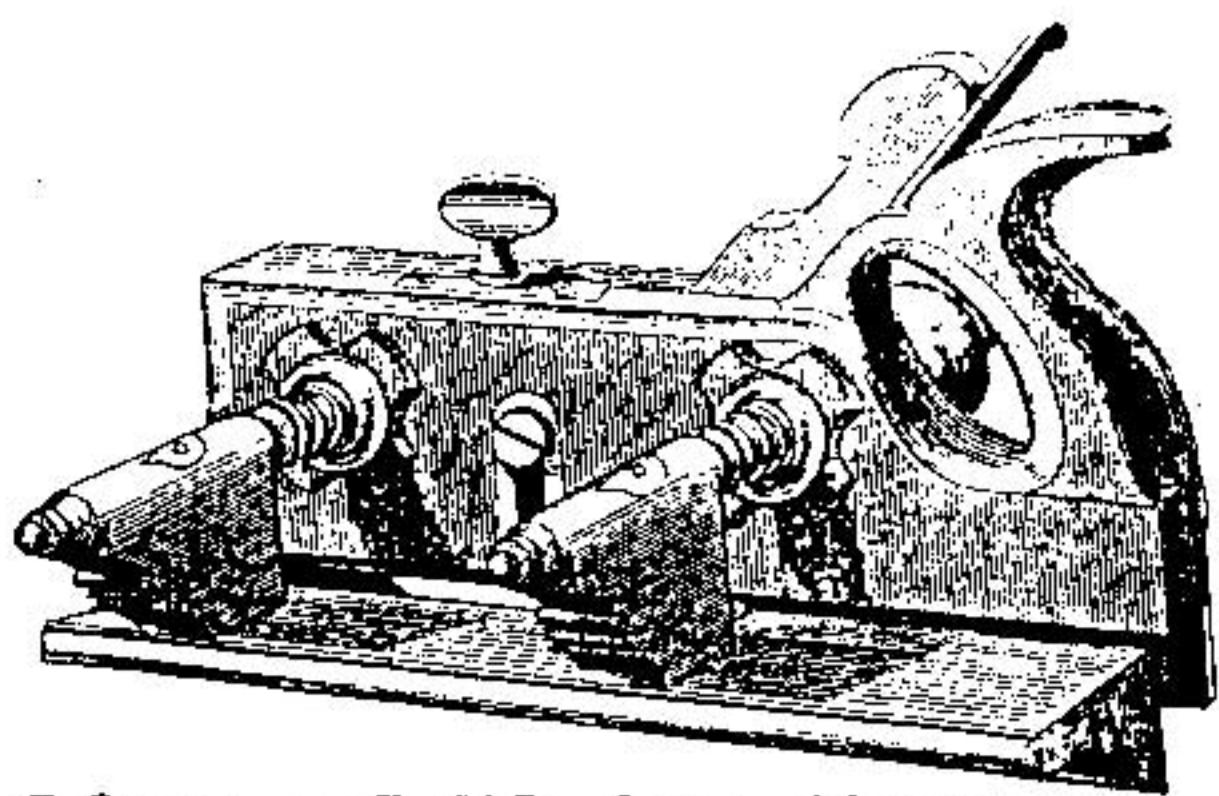
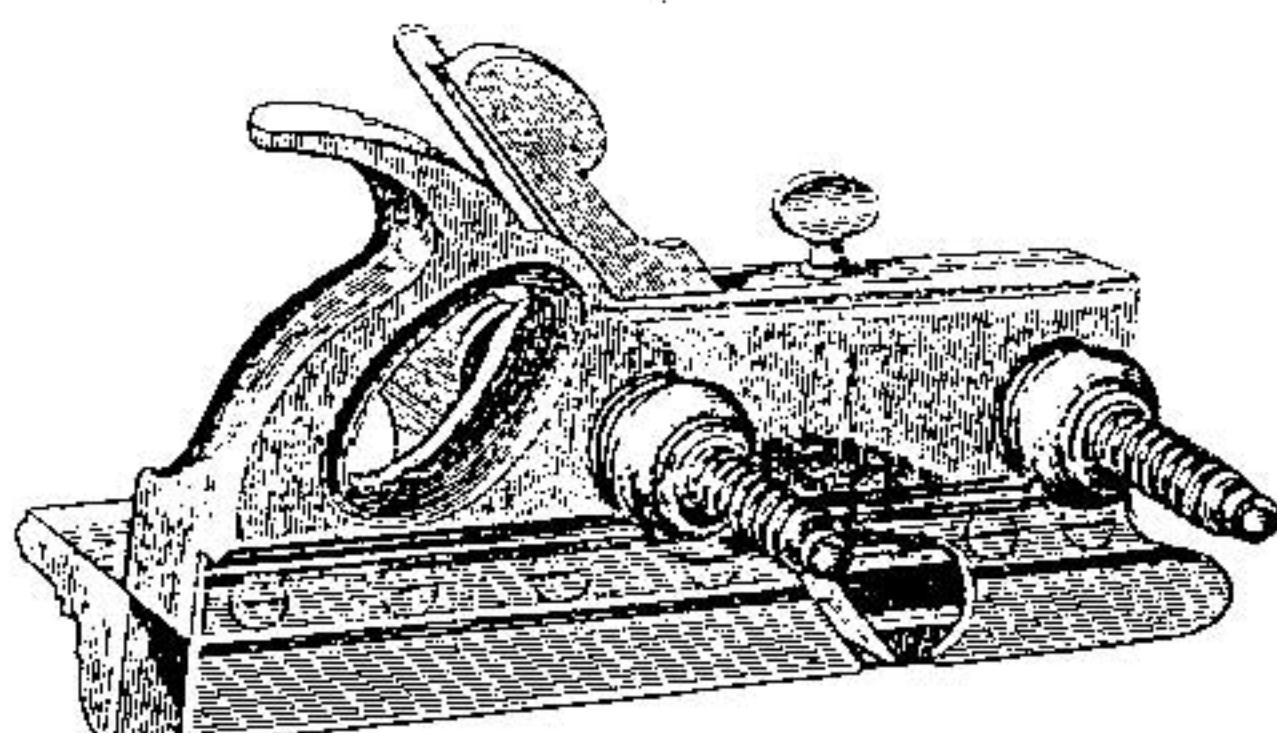
Plow Plane. No. 2.



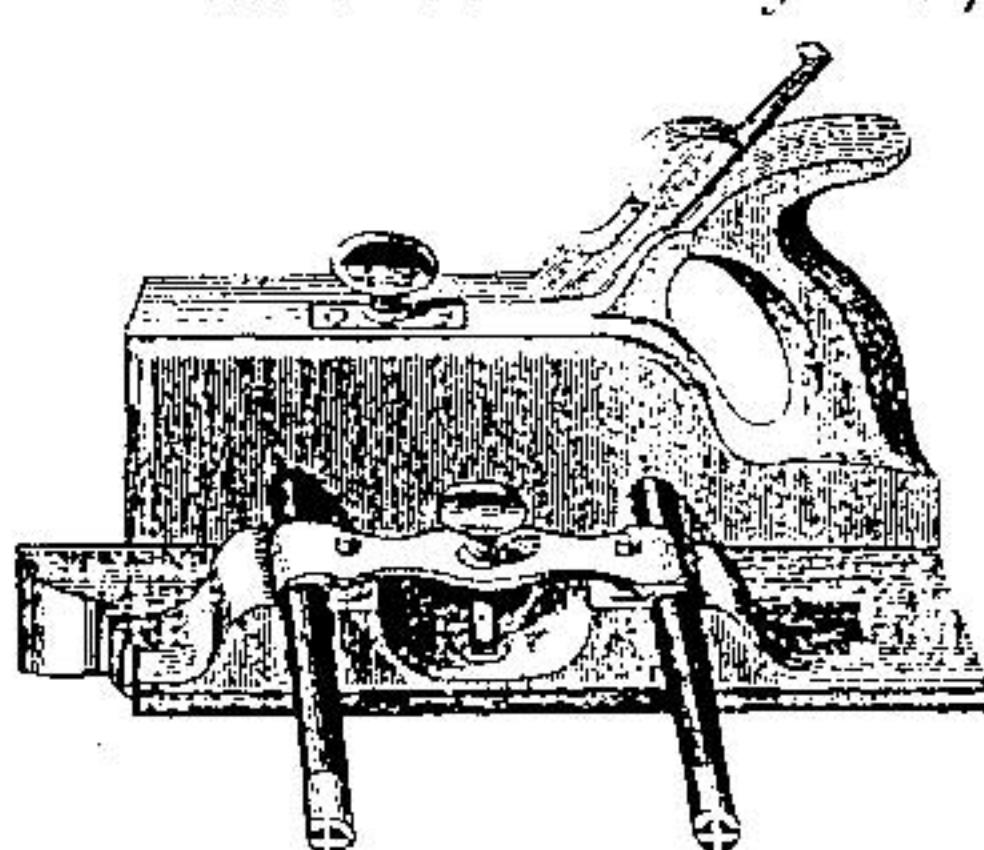
Plow Plane. No. 4.



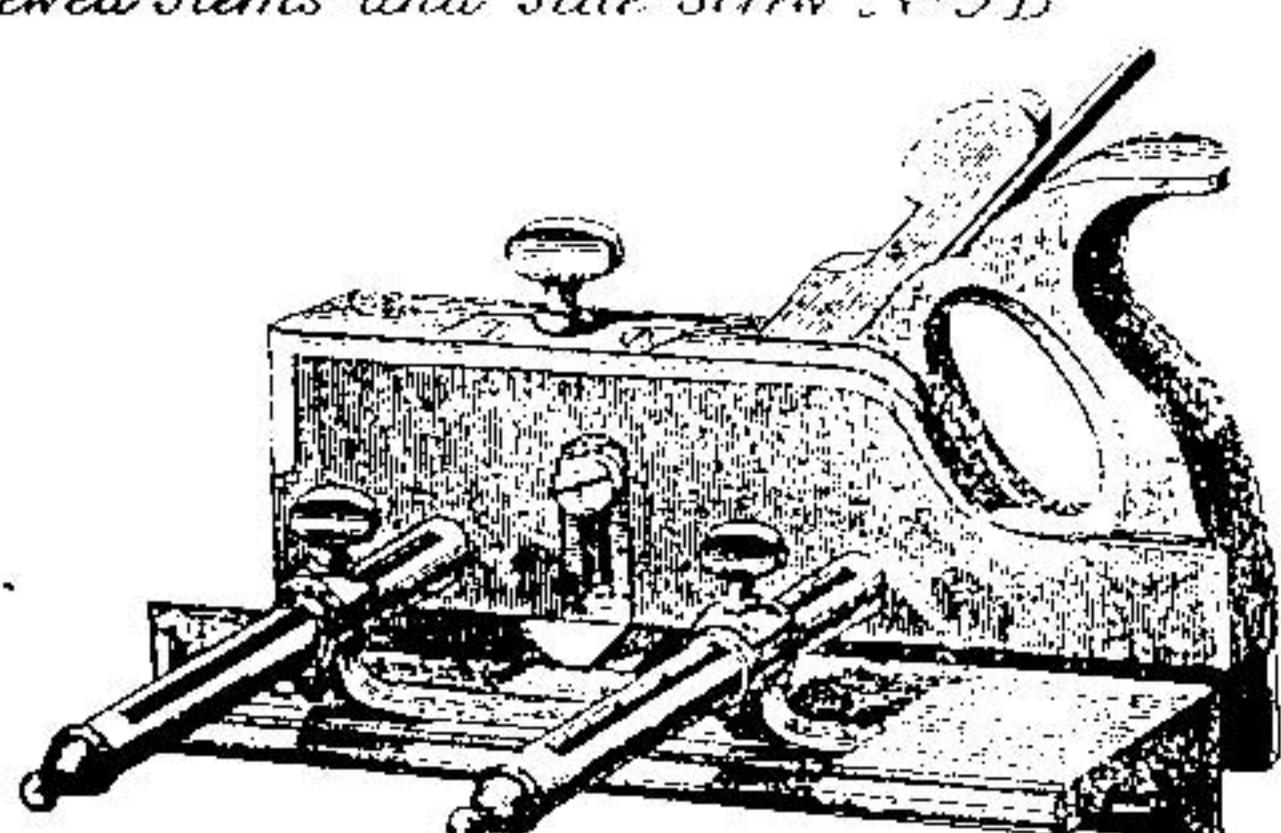
with long fore plate and Side Screw N° 5B



Handled with long fore plate Screwed Stems and Side Screw N° 9B



*Handled with Steel Bridle and Side Screw
N° 11*



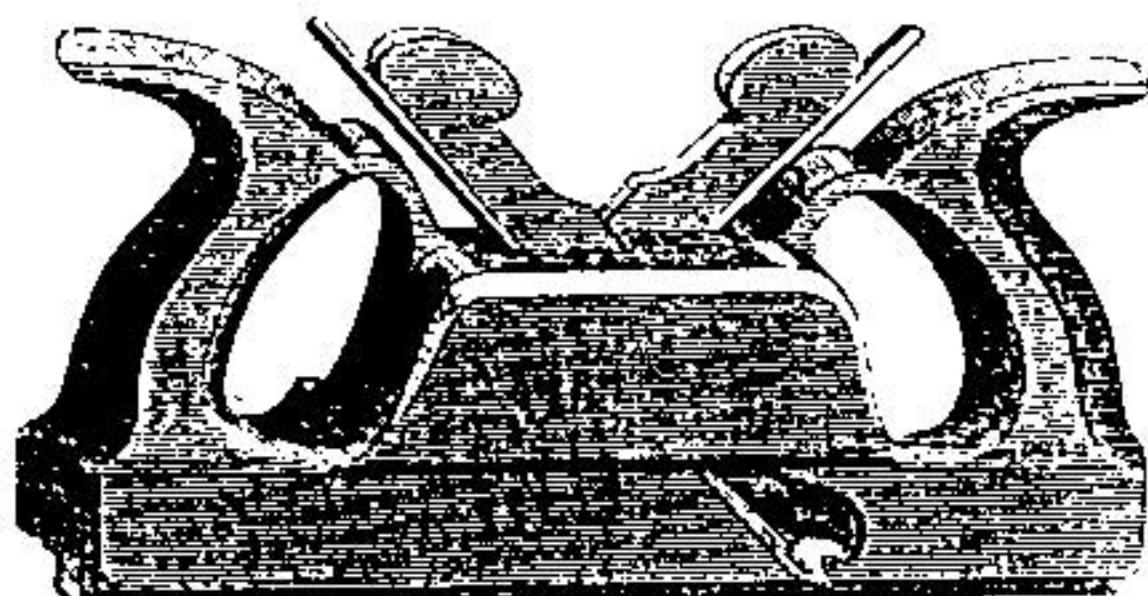
*Handled with patent brass Slide Stems
and Sidescrew N° 10*

PLANES—Continued.

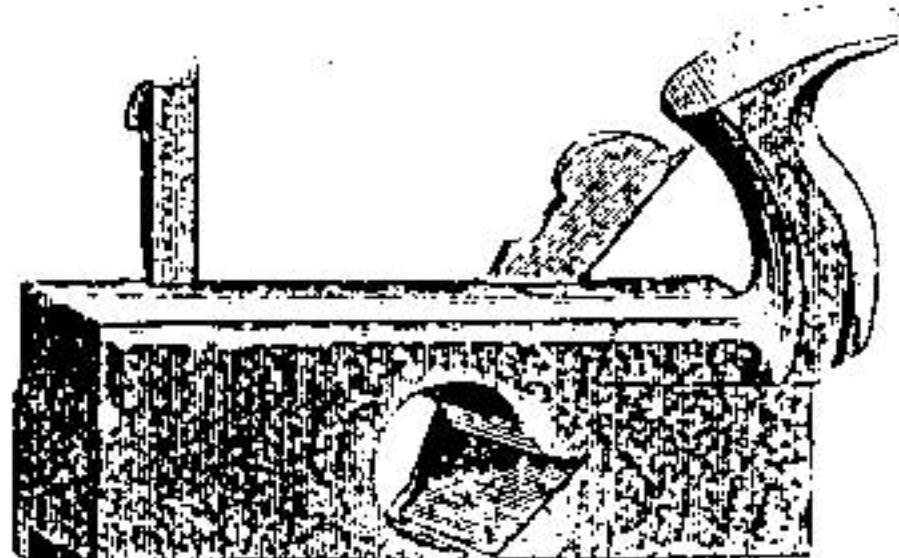
GROOVINGS or MATCH PLOWS.

No.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	8010	8011	8012	8013	8014	8015	8016	8017	8018	8019	8020	8021	8022	8023	8024	8025	8026	8027	8028	8029	8030	8031	8032	8033	8034	8035	8036	8037	8038	8039	8040	8041	8042	8043	8044	8045	8046	8047	8048	8049	8050	8051	8052	8053	8054	8055	8056	8057	8058	8059	8060	8061	8062	8063	8064	8065	8066	8067	8068	8069	8070	8071	8072	8073	8074	8075	8076	8077	8078	8079	8080	8081	8082	8083	8084	8085	8086	8087	8088	8089	8090	8091	8092	8093	8094	8095	8096	8097	8098	8099	80100	80101	80102	80103	80104	80105	80106	80107	80108	80109	80110	80111	80112	80113	80114	80115	80116	80117	80118	80119	80120	80121	80122	80123	80124	80125	80126	80127	80128	80129	80130	80131	80132	80133	80134	80135	80136	80137	80138

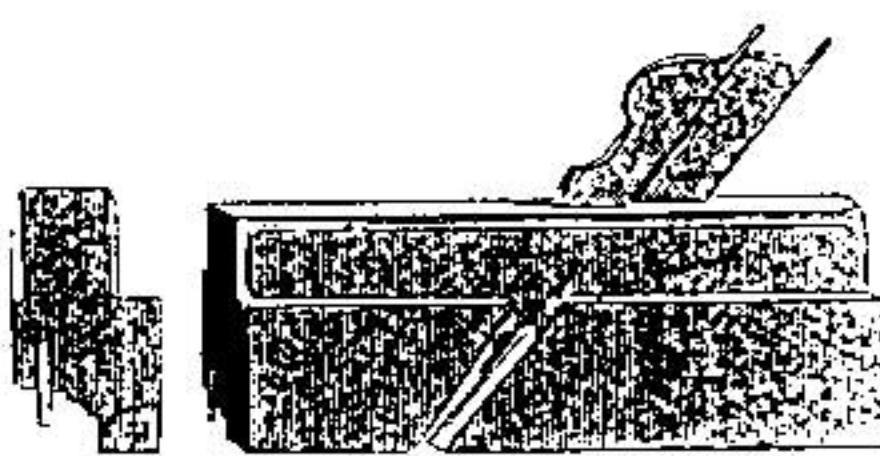
PLANES



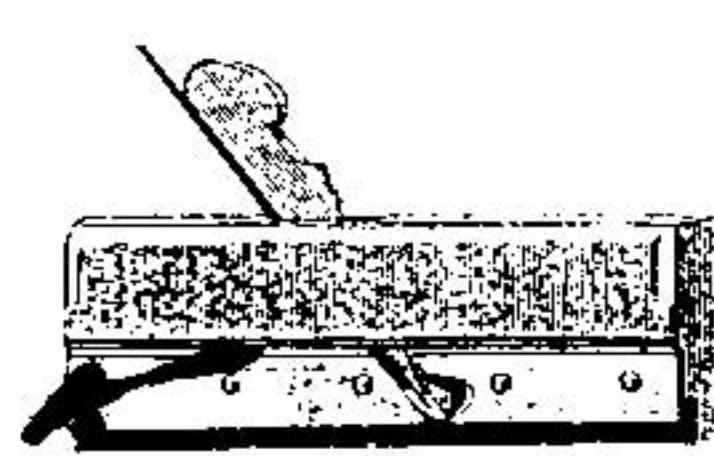
776 Double Grooving Plane Solid Handles



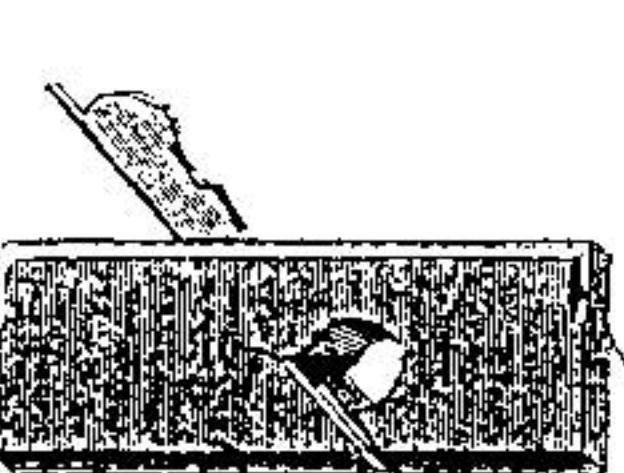
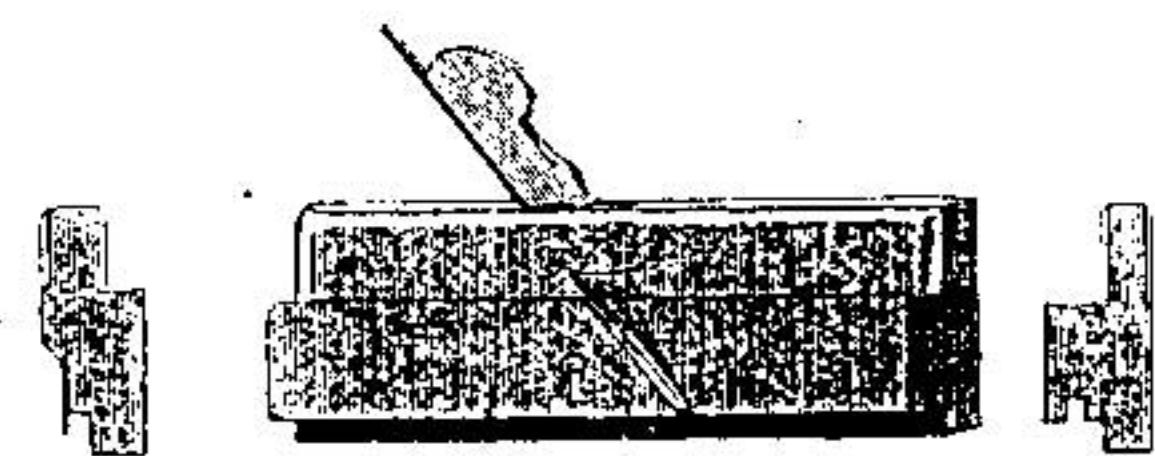
784 Flooring Raglet



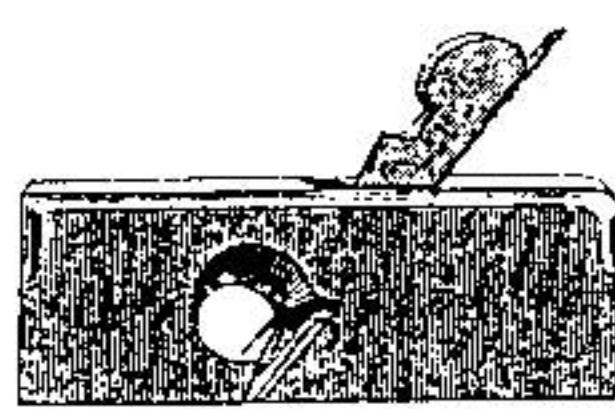
780 French Grooving Plane



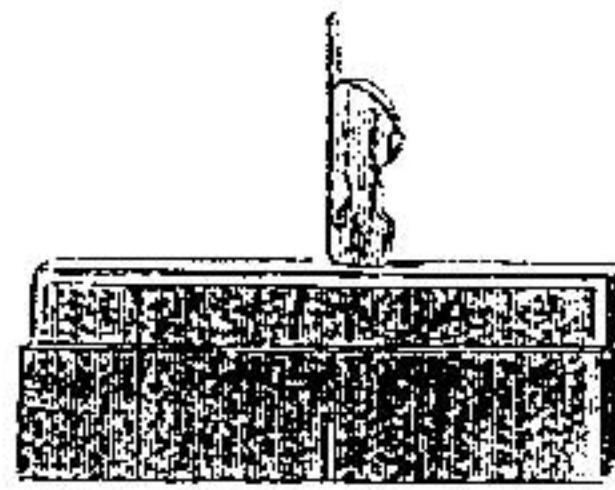
770 Pair Grooving or Match Planes



786 Square Rabate



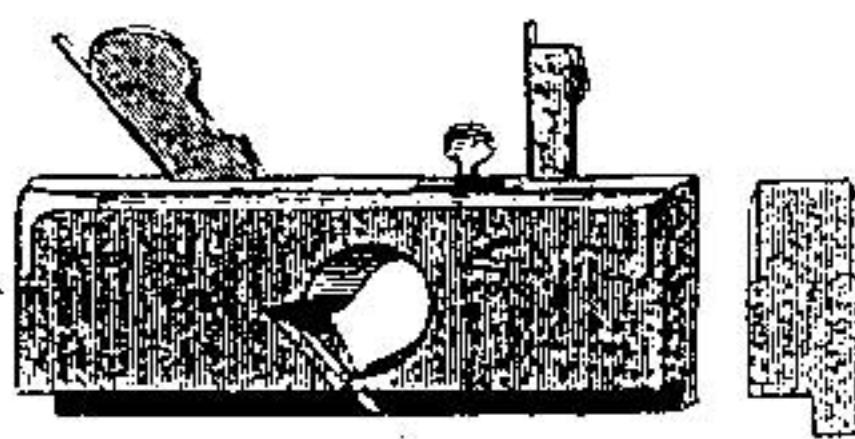
787 Skew Rabate



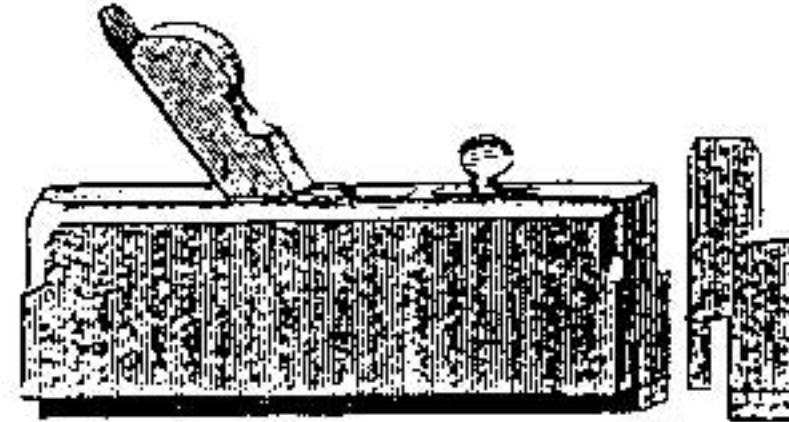
789 Side Rabate



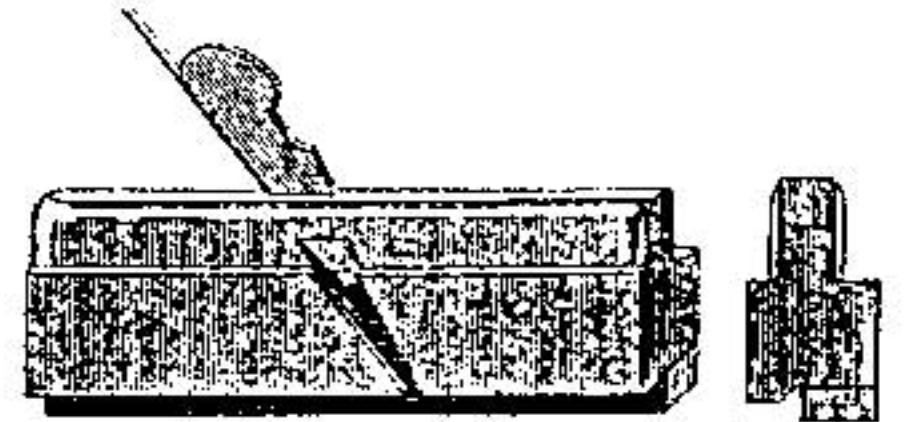
791 Thumb Rabate Plane



783 Raglet Plane Left Hand Screw Stop



794 Plow Glass Check Screw Stop



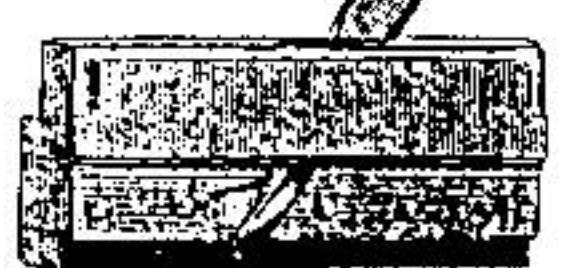
792 Counter Check Plane



799 Pair Table Planes



with Gauge



797 Drawer Bottom Plane with Iron Plate

PLANES—Continued.

HOLLOWs and ROUNDS.

	No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Size,	...	$\frac{1}{2}$	bare	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{5}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{9}{16}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{4}$	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{1}{4}$ inch
Per Pair,	...	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/6	4/6	4/9	5/	5/4	5/10	6/4	7/	

Skew Eyed, per pair, extra, 9d.

BEAD PLANES.

	No.	11	12	13	14	15	16	17	18	19	20	21	21A	21B
Bead Planes, Boxed,		1	1½	1	1½	1	1½	1	1	1	1	1	1½	1½ inch
" Slipped on Side,	...	2/6	2/6	2/6	2/6	2/6	2/6	2/6	2/8	2/10	3/	3/6	4/	4/6 each

Dovetailed Boxed, Single Thin Slip, extra, 1/6 each.

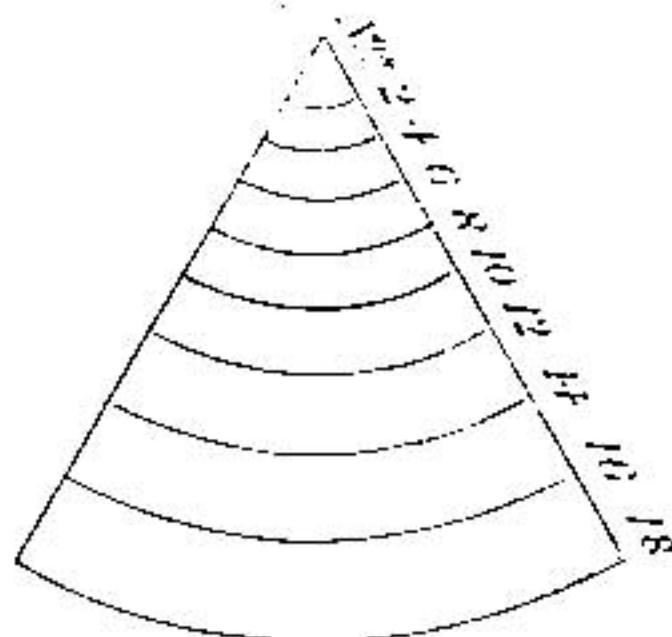
Bead Planes, per Set of 9, to $\frac{1}{4}$ -inch, 23/- Slipped, 30/-

For Drawings of all sizes of Bead Mouldings, see end of List.

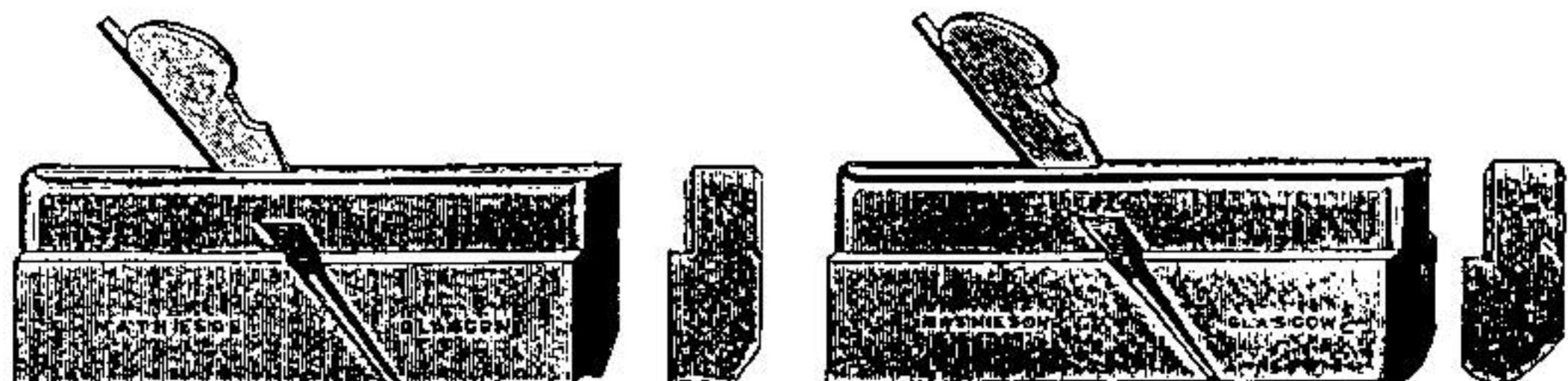
	15T	17T	18T	19T	20T	21T
Toras Beads,	3	½	½	¾	½	1 inch 3/9 each
" Slipped,	3/	3/	3/	3/3	3/6	3/9 each
Cock Beads,	3/9	3/9	3/9	4/	4/3	4/6 "

REEDING PLANES.

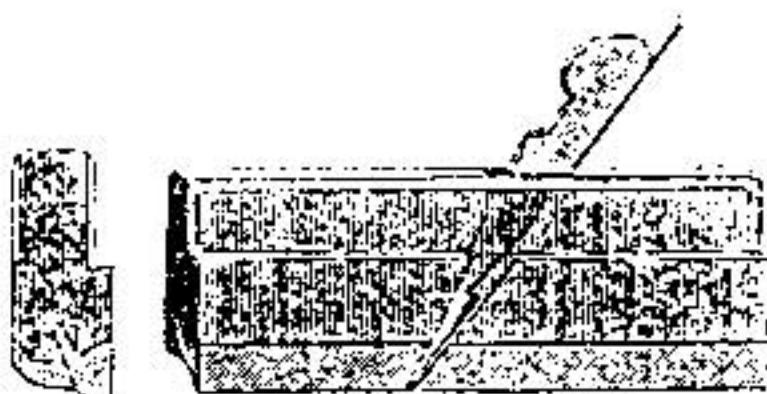
PLANES



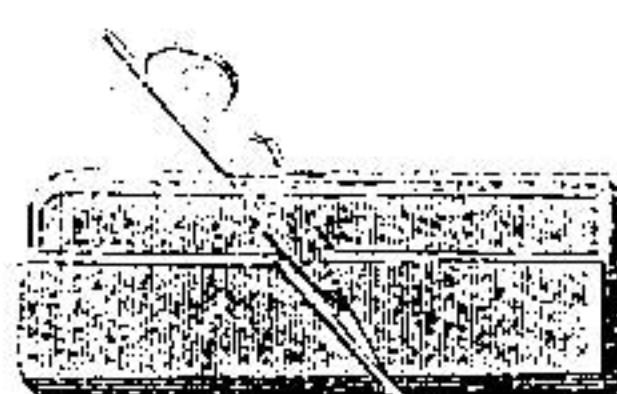
Curves for Hollows & Rounds



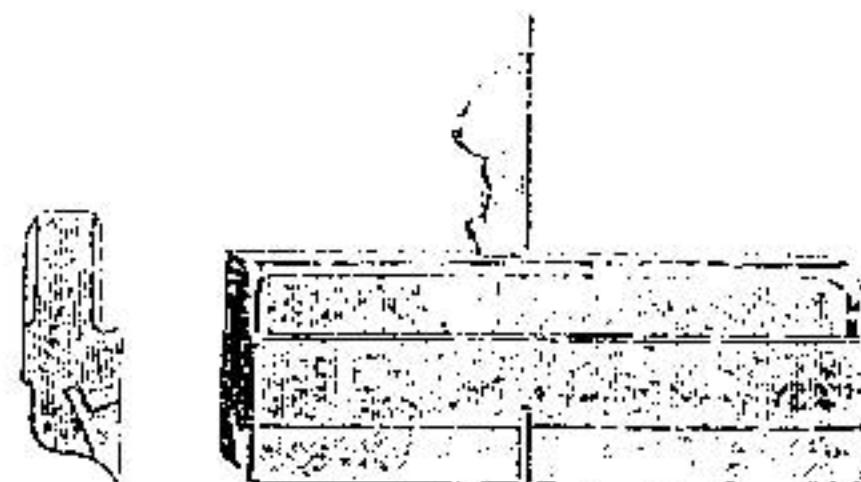
Pair Casements - Hollow and Round



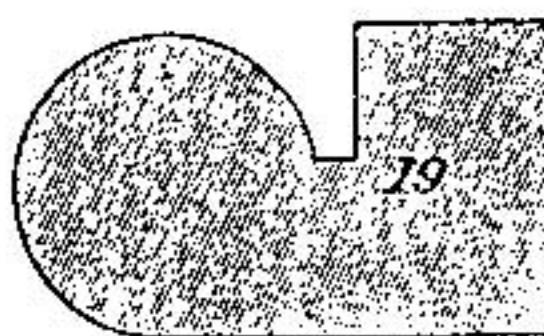
808 Snipe Bill



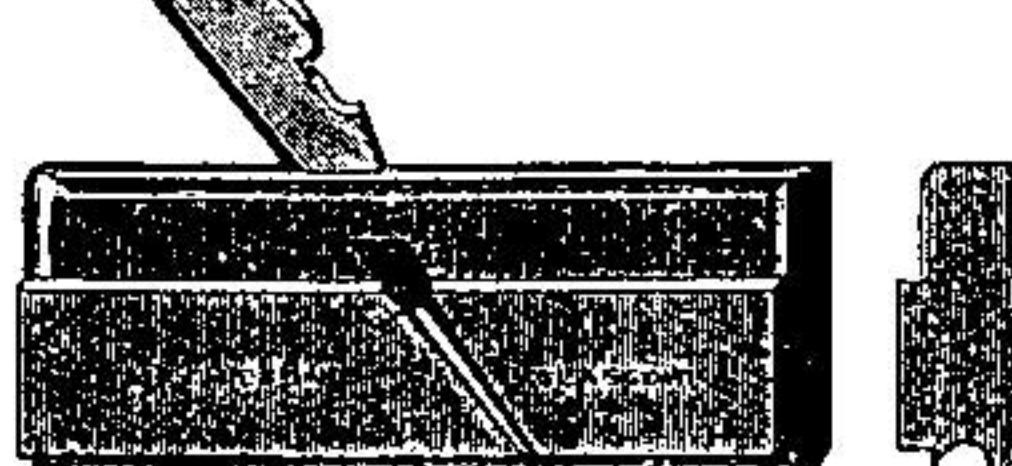
806 Side Round



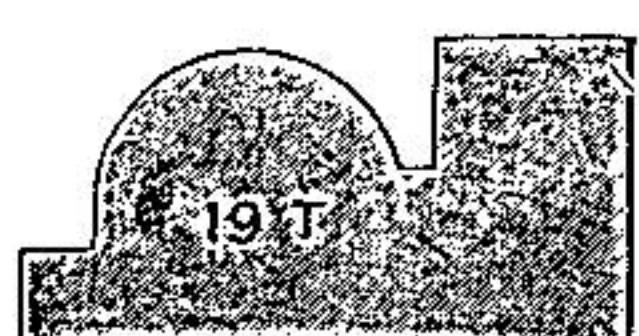
807 Side Snipe



Bead Moulding.

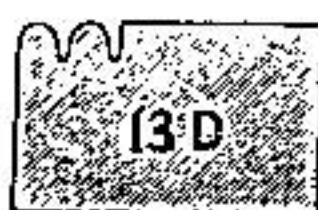


Bead Plane.



Toras Bead Moulding.

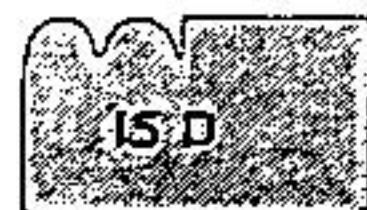
*Double
Side
Reed
Mouldings.*



$\frac{1}{4}$



$\frac{5}{16}$

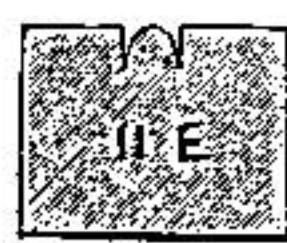


$\frac{3}{8}$



$\frac{1}{2}$

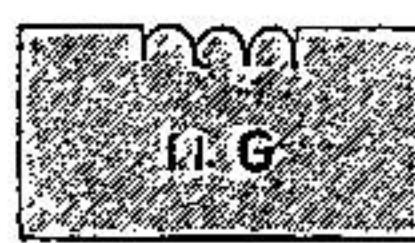
Centre Reed Mouldings.



1 Reed, $\frac{1}{8}$



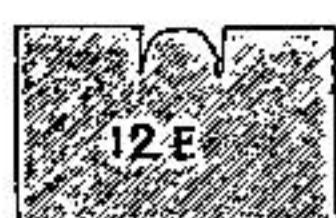
2 Reeds, $\frac{1}{8}$



3 Reeds, $\frac{1}{8}$



4 Reeds, $\frac{1}{8}$



1 Reed, $\frac{3}{16}$



2 Reeds, $\frac{3}{16}$



3 Reeds, $\frac{3}{16}$



4 Reeds, $\frac{3}{16}$



1 Reed, $\frac{1}{4}$



2 Reeds, $\frac{1}{4}$



3 Reeds, $\frac{1}{4}$



4 Reeds, $\frac{1}{4}$

MOULDING PLANES.

The Sizes of Moulding Planes refer to the Thickness of Wood on which the Moulding may be run.

Moulding Planes, Bench Mouth, extra.

An Engraving of each kind of Moulding is shown on opposite page. For Engravings of all sizes see end of List.

ASTRAGAL PLANES.

Astragals, ...	No.	159	160	161	162	163	164	165	166	167	168
		1	1½	2	2½	3	3½	4	1	1½	1¾ inch
		2/6	2/6	2/6	2/6	2/6	2/9	3/	3/3	4/	5/ each

Astragal Sash Planes, see "Sash Mouldings."

COVE, COVETTA, and SCOTIA PLANES.

Cove and Bead, ...	No.	210	211	212	213	213A					
		½	⅔	⅔	⅔	⅔	1 inch				
		4/	4/6	5/	5/6	6/6	each				
Cove and Astragal, ...	No.	206	205	204	203	203A					
		½	⅔	⅔	⅔	⅔	1 inch				
		4/3	4/9	5/3	6/	7/	each				
Cove and Astragal, Double Fillet, ...	No.	366	367	368	369A						
		⅔	⅔	⅔	⅔	1 inch					
One Iron, ...		5/3	5/9	6/3	7/3	each					
Two Irons, ...		6/9	7/	7/6	8/6	"					
Covetta, ...	No.	25	24	23	22	22A	22B				
		⅔	½	⅔	⅔	⅔	⅔	1 inch			
One Iron, ...		3/6	3/6	3/6	4/3	5/	5/9	each			
Two Irons, ...		5/	5/	5/	5/9	6/6	7/3	"			
Covetta and Quirk Bead, ...	No.	361	362	363	364	365					
		½	⅔	⅔	⅔	⅔	1 inch				
Two Irons, ...		6/	6/6	7/	7/6	8/	each				
Three Irons, ...		7/6	8/	8/6	9/	9/6	"				
Covetta and Quarter Round, ...	No.	29	28	27	26						
		⅔	½	⅔	⅔	1 inch					
One Iron, ...		3/6	3/6	3/6	4/	each					
Two Irons, ...		5/	5/	5/	5/6	"					
No. 809-Scotia Planes		⅔	½	⅔	⅔	⅔	1 inch				
		2/6	2/9	3/	3/3	3/6	4/ each				

DOOR PLANES.

Door Planes, Quarter Rounds, ...	No.	10	31	30			
		⅔	½	⅔	inch		
		2/6	2/6	2/9	each		
Door Planes, Ogee and Quarter Rounds and Templates, ...	No.	8	7	6	5		
Two Irons, ...		⅔	½	⅔	⅔	inch	
		9/6	9/6	9/6	10/6	per pair	

OVALO PLANES.

Ovalo, Common, ...	No.	4	3	2	1						
		⅔	½	⅔	⅔	inch					
		2/6	2/6	2/9	3/	each					
Ovalo, Grecian, ...	No.	55	54	53	52	51	50	49	48		
		½	⅔	½	⅔	⅔	⅔	⅔	⅔	1	1½ inch
		3/3	3/3	3/3	3/6	3/9	4/3	4/9	5/6		
Ovalo, Grecian and Bead, ...	No.	87	86	85	84	83	82	81	80		
		½	⅔	½	⅔	⅔	⅔	⅔	⅔	1	1½ inch
		4/	4/	4/3	4/6	4/9	5/3	7/	7/6		
Ovalo, Grecian and Astragal, ...	No.	56	57	58	59	60	61	62	63		
		½	⅔	½	⅔	⅔	⅔	⅔	⅔	1	1½ inch
		3/9	4/	4/	4/3	4/9	5/3	5/9	7/		
Ovalo Sash, see "Sash Mouldings."											

CABINET OGEE, CORNICE, or PICTURE FRAME MOULDINGS, Bench Mouth with Cast Steel Irons.

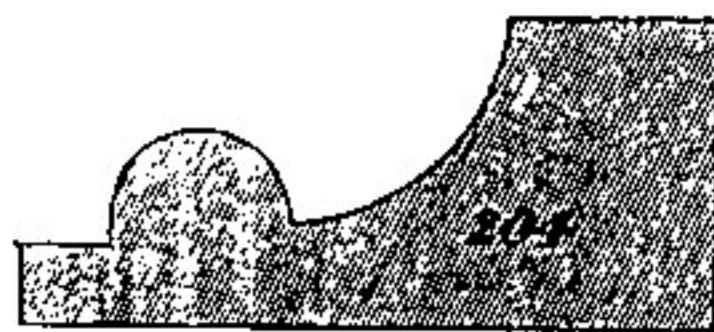
No.	526	529	527	523	522	521	520	519	519½	518
	2	2½	2½	2½	3	3½	3½	4	4½	5 inch
	10/	10/9	11/9	13/	15/	16/6	18/	20/6	24/6	29/ each

Chair Rail Plane, with Handle, and Shifting Fence, 1 Iron, No. 321, 8/3 each
 Bench Mouth. 11/ "

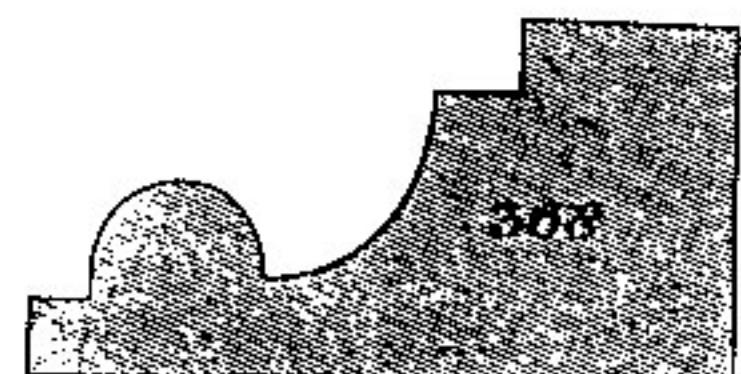
MOULDING PLANES



Astragal



Cove & Astragal



Cove & Astragal Double Fillet



Bead & Cove



Scotia



Covetta



*Covetta and
Quirked Bead*



*Covetta and
Quarter Round*



*Door Plane
Quarter Round*



*Door Plane
Ogee & Quarter Round*



*Door Plane
Ogee & Quarter Round*



Ovalo



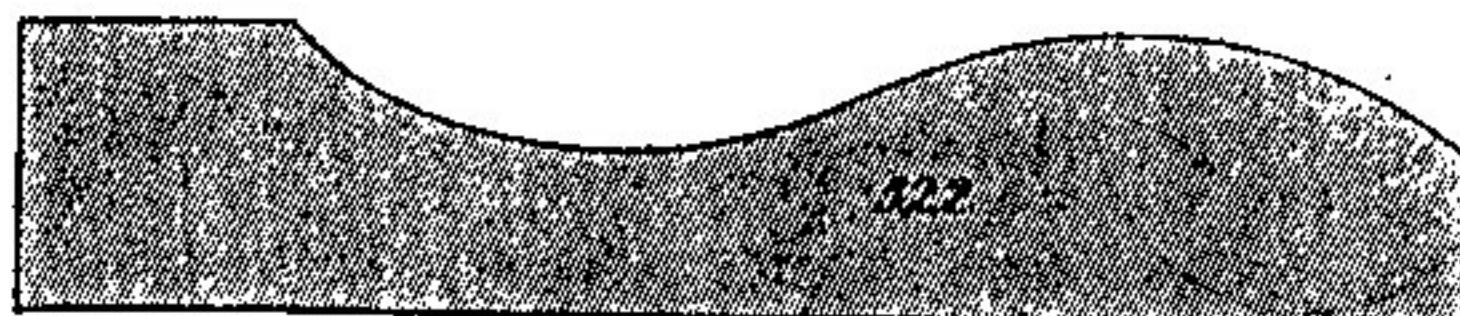
Grecian Ovalo



*Grecian Ovalo
and Bead*



*Grecian Ovalo &
Astragal*



Cabinet Ogee



Chair Rail

MOULDING PLANES—Continued.

The Sizes of Moulding Planes refer to the Thickness of Wood on which the Moulding may be run.

Moulding Planes, Bench Mouth, extra Price.

An Engraving of each kind of Moulding is shown on opposite page. For Engravings of all sizes see end of List.

OGEE MOULDINGS.

Ogee, ...	No.	39	38	37	36	35	34	33	32	32A	32B	32C
		4	3	3	5	4	6	1	1 1/2	1 1/2	1 1/2	1 1/2 in.

$\frac{1}{2}$ $\frac{3}{4}$ $\frac{3}{4}$ $\frac{5}{8}$ $\frac{2}{3}$ $\frac{6}{7}$ $\frac{1}{2}$ $1\frac{1}{2}$ $1\frac{1}{2}$ $1\frac{1}{2}$ $1\frac{1}{2}$ $1\frac{1}{2}$ in.
 $\frac{2}{4}$ $\frac{2}{4}$ $\frac{2}{4}$ $\frac{2}{4}$ $\frac{2}{8}$ $\frac{3}{4}$ $\frac{3}{6}$ $\frac{4}{7}$ $\frac{4}{6}$ $\frac{5}{7}$ $\frac{5}{6}$ ea.

Ogee, Quirk, ...	No.	40	41	42	43	44	45	46	47
		2	3	2	5	4	6	1	1 1/2 in.

$\frac{2}{3}$ $\frac{3}{3}$ $\frac{3}{3}$ $\frac{3}{3}$ $\frac{3}{3}$ $\frac{3}{8}$ $\frac{4}{7}$ $\frac{4}{8}$ $\frac{5}{4}$ ea.

Ogee, Quirk and Bead,	No.	72	73	74	75	76	77	78	79
		4	3	2	5	4	6	1	1 1/2 in.

$\frac{3}{6}$ $\frac{3}{6}$ $\frac{3}{6}$ $\frac{3}{9}$ $\frac{4}{3}$ $\frac{5}{7}$ $\frac{5}{6}$ $\frac{7}{7}$ ea.

Ogee, Quirk and Bead, New Pattern,	No.	224	223	222	221	220	219	218	217
		4	3	2	5	4	6	1	1 1/2 in.

$\frac{4}{3}$ $\frac{4}{6}$ $\frac{5}{7}$ $\frac{5}{6}$ $\frac{6}{3}$ $\frac{7}{7}$ $\frac{7}{6}$ $\frac{8}{6}$ ea.

Ogee and Quirk Bead,	No.	119	118	117	116	115	114	113	112
		3	3	2	5	4	6	1	1 1/2 in.
One Iron, ...		4/9	4/9	5/3	5/9	6/3	6/9	7/6	8/ ea.

$\frac{4}{9}$ $\frac{4}{9}$ $\frac{5}{3}$ $\frac{5}{9}$ $\frac{6}{3}$ $\frac{6}{9}$ $\frac{7}{6}$ $\frac{8}{7}$ ea.

Ogee, Quirk, and Quirk Bead,	No.	120	121	122	123	124	125	126	127
		4	3	2	5	4	6	1	1 1/2 in.
One Iron, ...		4/9	4/9	5/3	6/3	6/9	7/3	8/	9/ ea.

$\frac{4}{9}$ $\frac{4}{9}$ $\frac{5}{3}$ $\frac{6}{3}$ $\frac{6}{9}$ $\frac{7}{9}$ $\frac{8}{3}$ $\frac{8}{9}$ $\frac{9}{6}$ $\frac{10}{6}$ "

Ogee, Quirk, and Astragal, ...	No.	71	70	69	68	67	66	65	64
		2	3	2	5	4	6	1	1 1/2 in.

$\frac{4}{3}$ $\frac{4}{3}$ $\frac{4}{6}$ $\frac{4}{9}$ $\frac{5}{6}$ $\frac{6}{6}$ $\frac{7}{3}$ $\frac{8}{7}$ ea.

GRECIAN OGees.

Ogee, Grecian, ...	No.	103	102	101	100	99	98	97	96	96A
		4	3	2	5	4	6	1	1 1/2	1 1/2 in.
One Iron, ...		3/9	4/	4/3	4/6	4/9	5/3	5/6	7/	— ea.

$\frac{4}{6}$ $\frac{5}{7}$ $\frac{5}{5}$ $\frac{5}{5}$ $\frac{5}{6}$ $\frac{6}{6}$ $\frac{6}{6}$ $\frac{8}{7}$ $\frac{15}{15}$ "

Ogee, Grecian, New Pattern,	No.	240	239	238	237	236	235	234	233
		4	3	2	5	4	6	1	1 1/2 in.
One Iron, ...		4/	4/3	4/6	4/9	5/	5/6	6/	7/6 ea.

$\frac{5}{3}$ $\frac{5}{3}$ $\frac{5}{6}$ $\frac{5}{9}$ $\frac{6}{6}$ $\frac{6}{6}$ $\frac{7}{7}$ $\frac{8}{8}$ "

REVERSE OGees.

Ogee, Reverse, Deep Fence,	No.	342	343	344	345	346
		2	3	2	3	2 in.

$\frac{3}{4}$ $\frac{3}{6}$ $\frac{4}{4}$ $\frac{5}{5}$ $\frac{6}{6}$ $\frac{5}{5}$ ea.

Ogee, Reverse, with Fillet on Top, ...	No.	341	340	339
		2	3	2 in.

$\frac{4}{9}$ $\frac{5}{5}$ $\frac{5}{3}$ $\frac{5}{3}$ ea.

Ogee, Reverse, with Fillet on Bottom, ...	No.	350	349	348	347
		2	3	2	1 in.

$\frac{4}{6}$ $\frac{5}{5}$ $\frac{5}{3}$ $\frac{5}{9}$ $\frac{6}{6}$ ea.

Double Fillet, ...	No.	372A	372B	372C	372	371	370	369
		2	3	2	3	2	1	1 1/2 in.
One Iron, ...		4/3	4/3	4/6	5/	5/6	6/	6/6 ea.

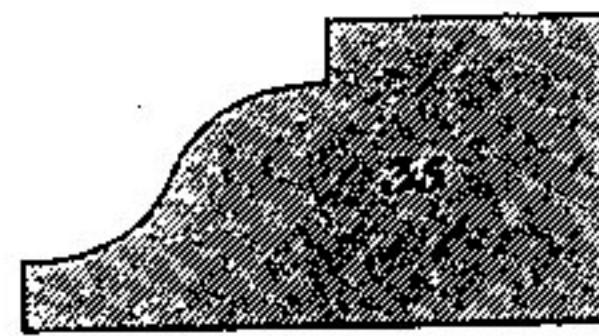
$\frac{5}{3}$ $\frac{5}{3}$ $\frac{5}{6}$ $\frac{6}{3}$ $\frac{6}{3}$ $\frac{6}{9}$ $\frac{7}{3}$ $\frac{7}{9}$ "

Ogee, Reverse and Bead, ...	No.	351A	351B	351C	351	352A	352	353A	353
		2	3	2	3	2	1	1 1/2	1 1/2 in.

$\frac{4}{9}$ $\frac{5}{3}$ $\frac{5}{9}$ $\frac{6}{3}$ $\frac{6}{6}$ $\frac{7}{7}$ $\frac{7}{6}$ $\frac{13}{6}$ ea.

Ogee, Reverse and Astragal, ...	No.	382	383	384	385	386	387</
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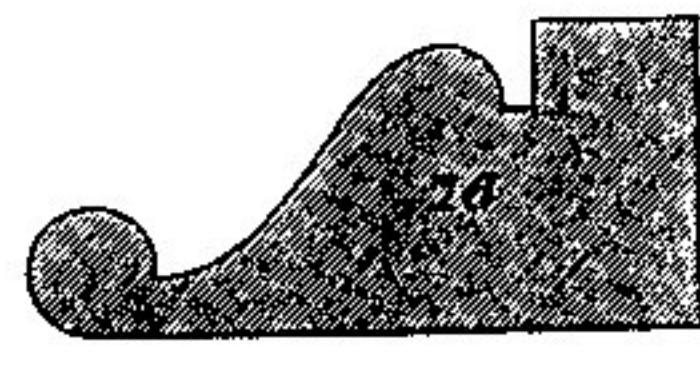
MOULDING PLANES



Ogee.



Quirk Ogee



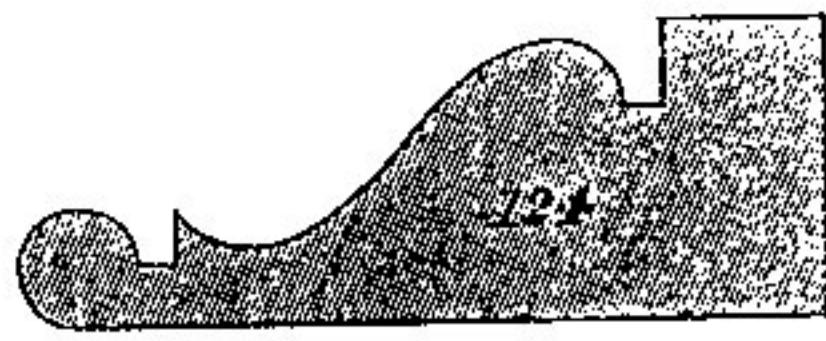
Quirk Ogee & Bead



Quirk Ogee & Bead
now pattern.



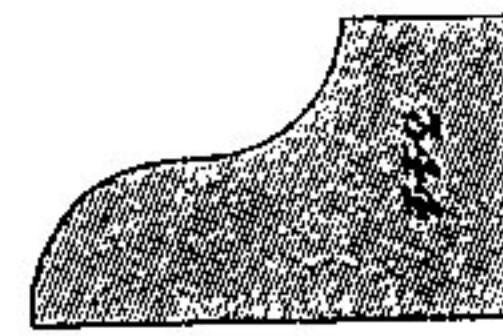
Ogee and Quirked Bead



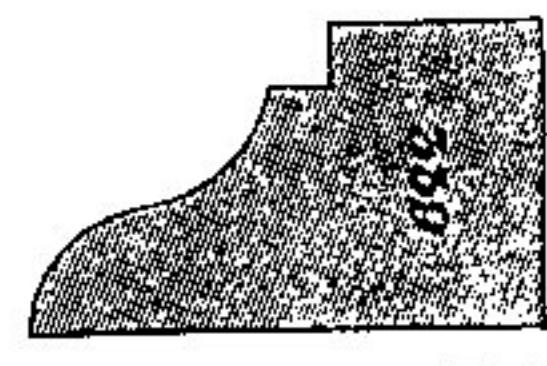
Quirk Ogee
and Quirked Bead



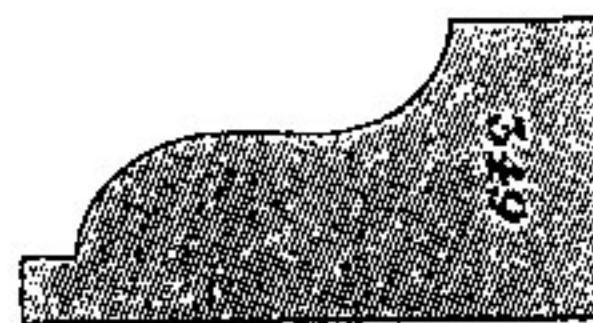
Quirk Ogee
and Astragal



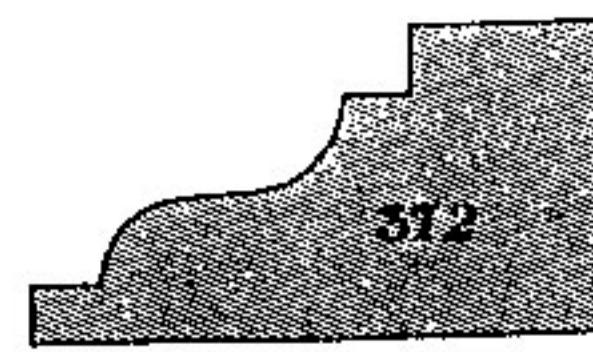
Reverse Ogee



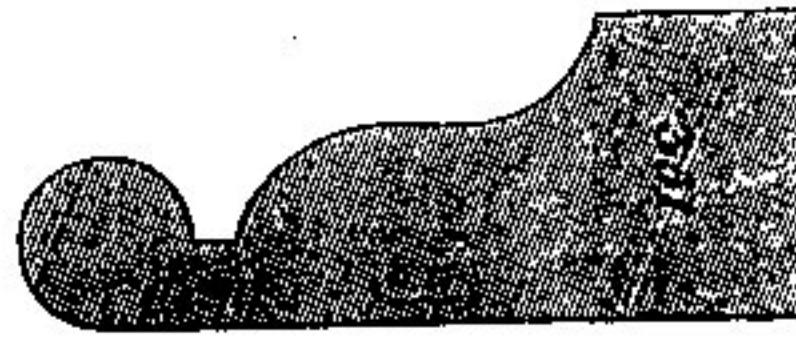
Reverse Ogee with Fillet
on Top



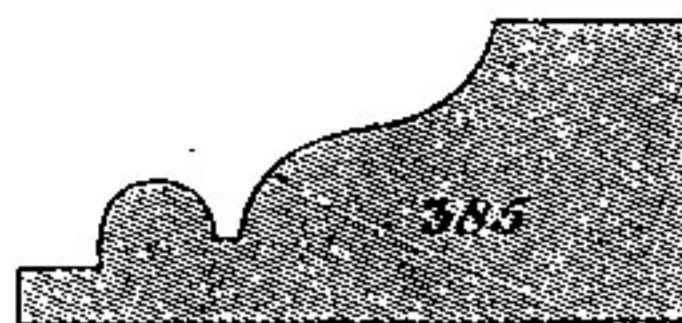
Reverse Ogee with Fillet
on Bottom



Reverse Ogee with
Double Fillet



Reverse Ogee and Bead



Reverse Ogee & Astragal



Reverse Ogee and Bead
with Astragal on Top



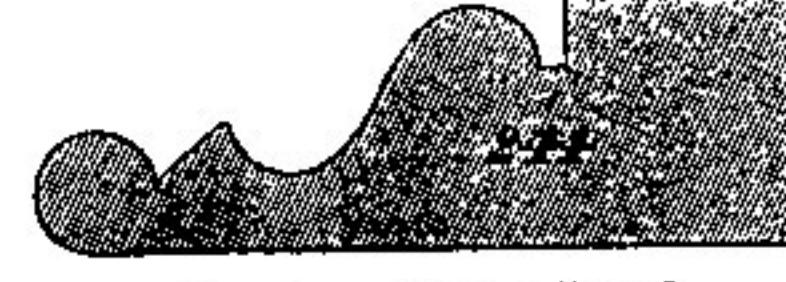
Grecian Ogee



Grecian Ogee and Bead



Grecian Ogee
new pattern.



Grecian Ogee & Bead
new pattern.

MOULDING PLANES—Continued.

The Sizes of Moulding Planes refer to the Thickness of Wood on which the Moulding is to be run.

Moulding Planes, Bench Mouth, extra Price.

An Engraving of each kind of Moulding is shown on opposite page. For Engravings of all sizes see end of List.

SASH OR WINDOW MOULDINGS.

Astragal and Hollow Sash, $\frac{1}{2}$ in., No. 192, with Templets,	...	...	...	...	...	One Iron, 8/-	Two Irons, 10/9 per pair.
Astragal and Quirk Hollow, No. 539, with Templets,	...	...	...	...	"	8/6;	" 11/6 "
Astragal and Scotia Sash,						No. 393	392 187
With Templets, One Iron, ...	...	...	...	...		$\frac{1}{2}$ 10/-	$\frac{1}{2}$ inch. 11/- 8/6 per pair.
" Two Irons, ...	...	...	...	...		13/-	14/- 11/6 "
Gothic Sash,	{ No. 537	179	178	531	177	176	176A
With Templets, ...	{ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ 2 in. bar,	7/6	7/6	7/6	7/6	8/6	1 inch. 9/6 per pair.
Lambtongue Sash,	{ No. 184	533	185	532	186	186A	186B
With Templets, ...	{ $\frac{1}{2}$ $\frac{1}{2}$ 2 in. bar, $\frac{1}{2}$ 7/6	7/6	7/6	7/6	7/9	8/6	1 inch. 9/6 per pair.
Lambtongue Planes, for Shop Window Sashes, } with Single Templets, ...	{ No. 833	834	835	836	837	838	839
	{ 1 $\frac{1}{2}$	5/6	5/9	6/	6/6	7/	8/
Ogee Sash, $\frac{1}{2}$ in., No. 536, with Templets,	...	...	...	...	...	...	7/6 per pair.
Ovalo Sash,	{ No. 534 $\frac{1}{2}$	534	535	403	404	405	401 402 402A 402B
Breadth of Bar, ...	{ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 1 $\frac{1}{2}$	7/	7/	7/	7/	7/6	7/9 8/6 9/6 per pair.
With Templets, ...	{ 7/	7/	7/	7/	7/	7/6	7/9 8/6 9/6 per pair.
Rustic Sash,	{ No. 188	189	190	538	391	390	389
With Templets, ...	{ $\frac{1}{2}$ $\frac{1}{2}$ 7/6	7/6	7/6	7/6	8/6	10/6	11/ per pair.
No. 810—Sash Plane, to Stick and Rabate, Two Irons, 6/-; 811—With Back Handle, 8/-; 812—With Back Handle, Jack Size, 9/6 each.							
813— " " " with Screw for different Breadth of Bar,	...	...	...	...	...	...	8/9 "
814— " " " Self-regulating Screw and Brass Plate,	...	...	...	...	...	...	12/6 "
815— " " " " full Dovetailed Boxed,	...	...	...	...	...	...	18/6 "
816— " " " " Solid Handle,	...	...	...	...	...	...	22/ "
817—Scribing or Sash Copeing Plane, for Gothic; or, 818, for Ovalo,	...	...	...	...	...	...	2/9 "
819— " " " for Lambtongue, ...	...	...	...	...	...	...	3/3 "
820—Handled Scribing Gouges, with Stop, for Gothic; or, 821, for Ovalo,	...	...	...	...	...	...	2/3 "
822— " " " for Lambtongue, ...	...	...	...	...	...	...	4/6 "
177S—Gothic Scratches, for $\frac{1}{2}$ inch, ...	...	...	...	...	...	...	1/4 per pair.
178S— " for $\frac{1}{2}$ inch, ...	...	...	...	...	...	...	1/4 "
841—Shouldering Plane, Brass or Iron Plate and Cutter,	...	...	...	...	...	...	6/6 each.

SASH SHAVES.

824—Sash Shaves, Iron, Gothic,	$\frac{1}{2}$, $\frac{1}{2}$, or $\frac{1}{2}$ inch, with Two Irons,	...	...	...	...	...	3/4 each.
825— " " " Ovalo,	$\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, or $\frac{1}{2}$ inch,	"	...	...	...	...	3/4 "
826— " " " Lambtongue,	$\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, or $\frac{1}{2}$ inch,	"	...	...	...	...	3/4 "

TEMPLETS.

Templets—Single, 6d.; Double, 9d. each.	Single and Double,	...	...	...	...	...	1/3 per pair.
" Screwed,	...	...	...	...	...	...	2/3 "
" Faced with Brass, for Ovalo and Gothic,	...	...	...	...	...	...	7/ "
" " " " Lambtongue,	...	...	...	...	...	...	7/6 "
827— " Square,	...	...	...	...	...	...	/6 each.

For Coachmakers' Planes, see Coachmakers' Tools.

For Coopers' Planes, see Coopers' Tools.

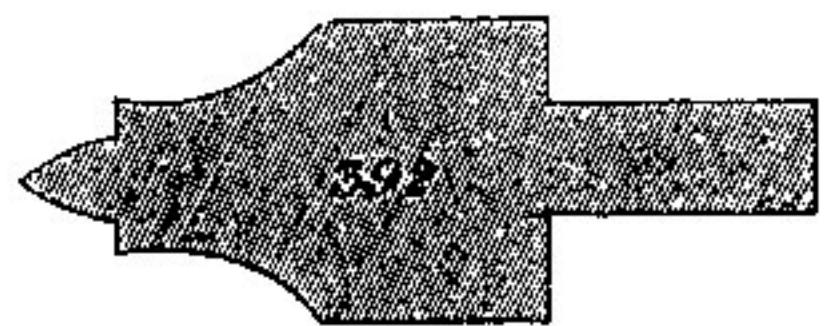
MOULDING PLANES



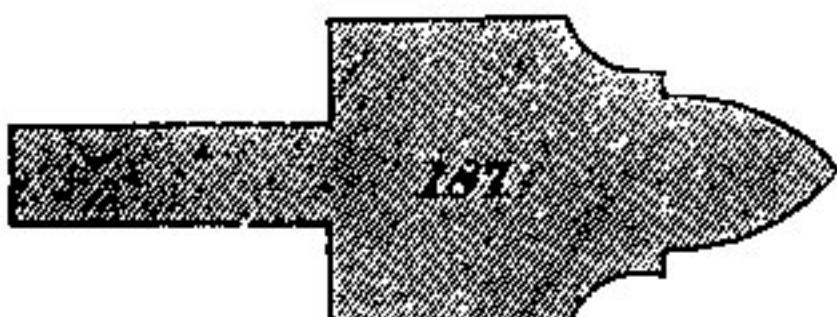
Astragal & Hollow Sash



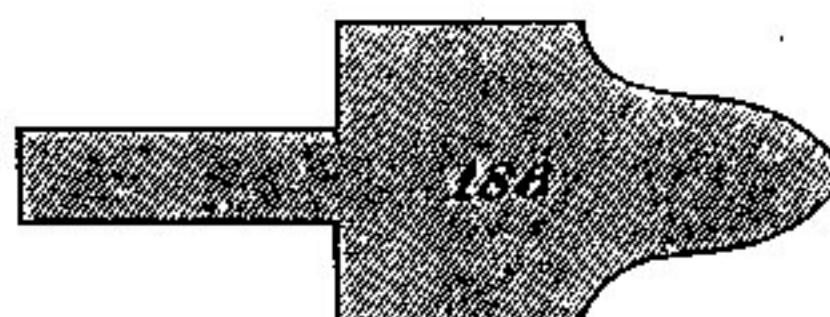
Astragal & Quirk Hollow



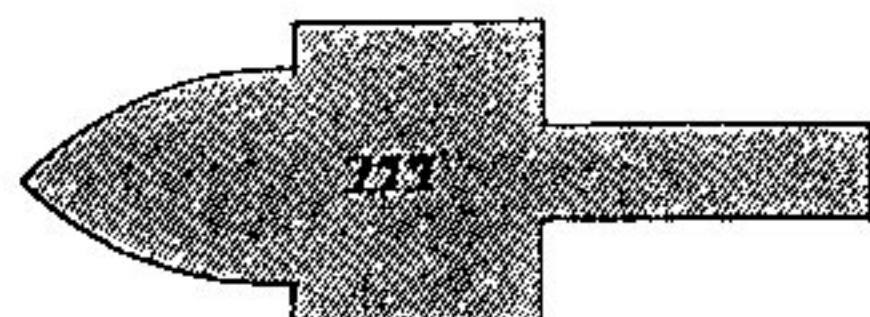
Astragal & Scotia Sash



Astragal & Scotia Sash



Lamb Tongue Sash



Gothic Sash.



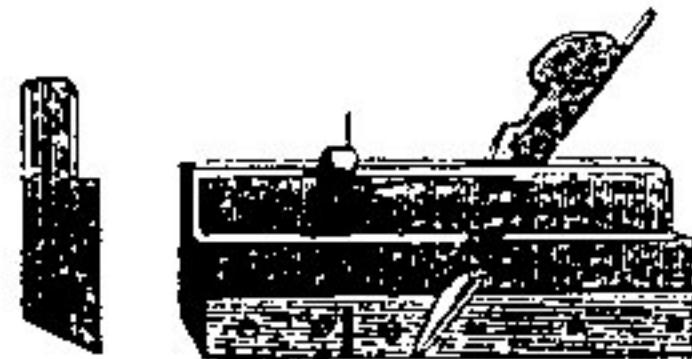
Ogee Sash



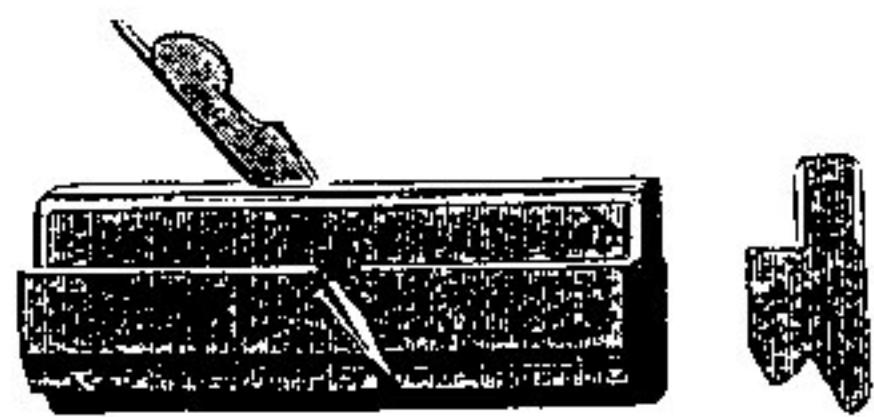
Ovalo Sash



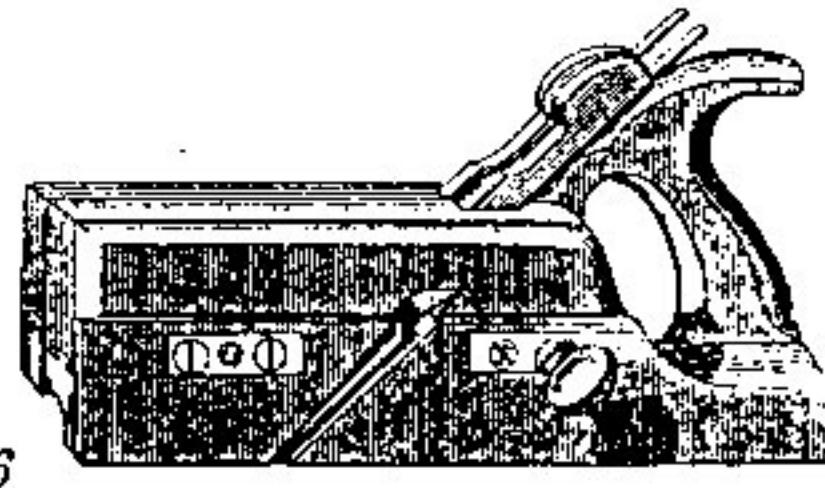
Rustic Sash



841 *Shouldering Plane*



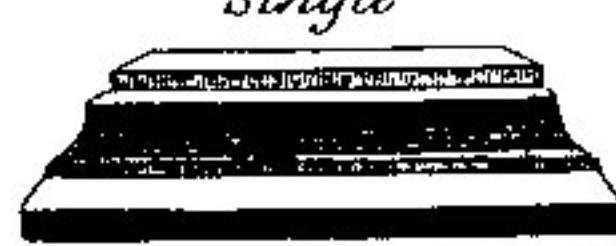
817 *Scribing Plane, Gothic*



816 *Sash Plane to Stick and rabbate with Selfregulating Screw and solid handle*



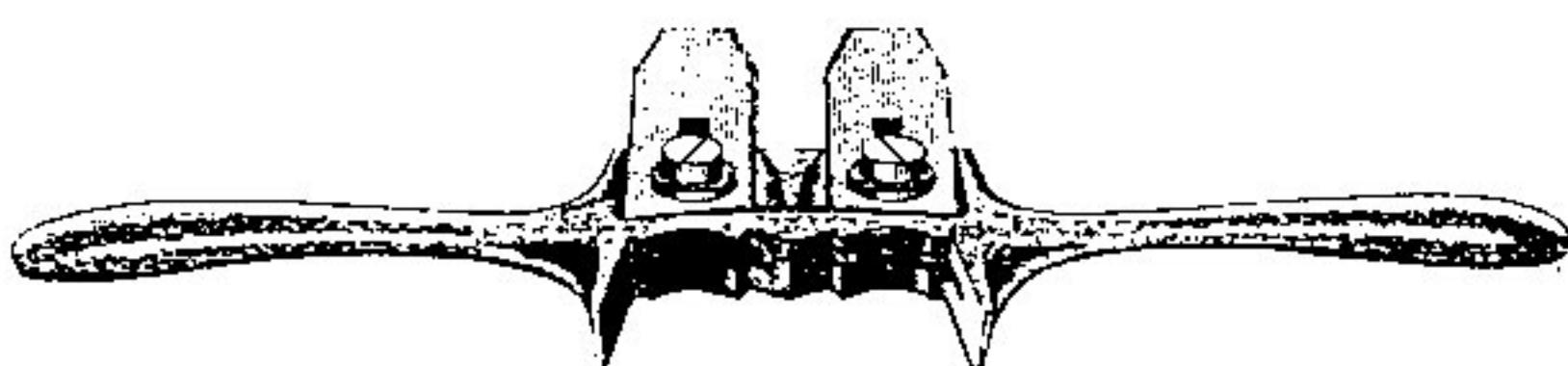
827 *Square Templet*



Single



Double



1778 *Pair of Gothic Scratches.*

824 *Sash Share (Iron) for Gothic.*

**FOR OTHER DRAWINGS OF MOULDINGS
SEE END OF LIST.**

WROUGHT STEEL PLANES.

SMOOTHING PLANES, Wrought Steel, Dovetailed, Fitted with Rosewood, Gun Metal Lever.

					1½	2	2½	2¾	in. Iron
842—Improved, without Handle,	...	...	...	...	18/6	19/	19/	19/6	each
843— " " with "	...	...	...	...	20/6	21/	21/	21/6	"
844—Parallel Sides, with "	...	...	...	...	20/6	21/	21/	21/6	"

EXTRA.—Close Handle, to Nos. 843 and 844, 1/ each.

PANEL PLANES, Wrought Steel, Dovetailed, Fitted with Rosewood, Gun Metal Lever.

	11½	12½	13½	14½	15½	16½ in. × 2½ in. Iron	If with 2½	2¾ in. Iron
845—	... 30/	30/	30/	31/	32/	33/ each	Extra 1/	2/ each

NOTE.—11½ to 13½ in. have flush ends, as illustrated; on 14½ to 16½ in. face projects back and front, as shown in Jointing Planes.

JOINTING PLANES, Wrought Steel, Dovetailed, Fitted with Rosewood, Gun-Metal Lever.

	20½	22½	24½	26½ in. × 2½ in. Iron	If with 2½	2¾ in. Iron
846—	... 35/6	37/6	39/6	42/6 each	Extra, 1/	2/ each

MITRE PLANES, Wrought Steel, Dovetailed, Fitted with Rosewood, Gun-Metal Lever.

	8½ × 2 in. or under	10½ × 2½	10½ × 2½	10½ × 2½ in. Iron	If with Skew Mouth
847—Improved,	... 18/6	18/6	19/	19/6 each	1/6 extra
848—Plain,	... 16/6	17/6	18/	18/6 "	1/6 "

RABATE PLANES, Wrought Steel, Dovetailed, Fitted with Rosewood, with Wedge.

	6	7	8	9	9	9	9	9	9	in. long
	or ½	½	½	½	½	1	1½	1¼	1½	in. Iron
849—One Iron, Square,	... 9/6	10/	10/6	11/	11/6	12/	12/6	13/	14/	15/ each
850— " Skew,	... 10/	10/6	11/6	12/	12/6	13/	13/6	14/	15/	16/ "
851—Two Irons, Square,	... 14/6	14/6	14/6	14/6	15/	15/6	16/	16/6	17/6	" "
852— " Skew,	... 15/6	15/6	16/6	16/6	17/	17/6	18/	18/6	19/6	" "

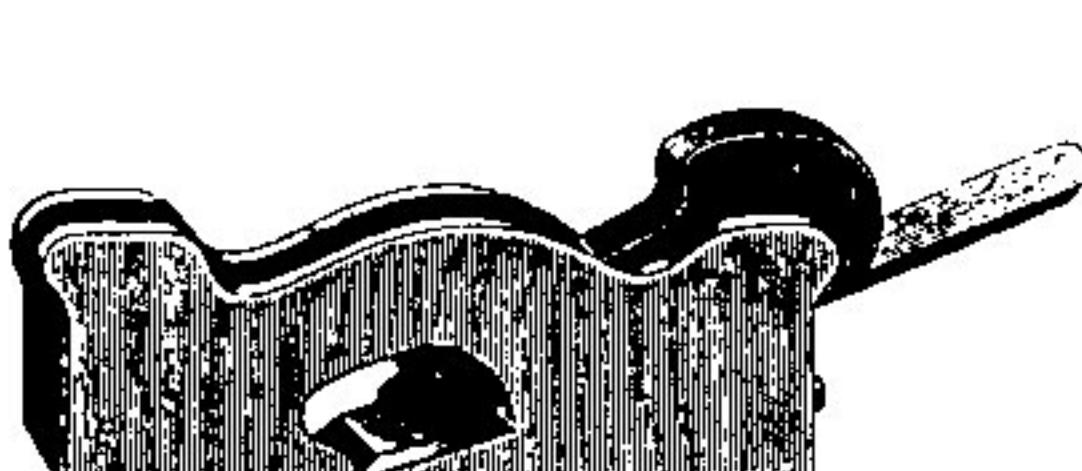
SHOULDER, THUMB, CHARIOT, and BULL-NOSE PLANES.

						1	1½	1¾	1½ in.
853—Shoulder Planes,	Wrought Steel, Dovetailed, fitted with Rosewood, with Wedge,					8 in. long,	15/	—	16/ 17/ ea.
854—Thumb	" "	" "	" "	" "	Gun-Metal Lever,	5 "	10/6	11/	11/6 — "
855—Bull-Nose	"	Mall. Cast Iron, with Rosewood Wedge,					6/	6/6	7/3 — "
856—	"	Gun-Metal,	"	Ebony	"		7/6	8/	8/6 — "
857—Chariot	"	Mall. Cast Iron,	"	Wedge,	"		—	7/	— — "
858—	"	Gun-Metal,	"	"	"		—	8/	— — "

LEVERS and SCREWS, with Rivets for Wrought Steel, &c., Planes.

			2	2½	2½	2¾	2½	2½	2¾ inch
859—Gun-Metal, Best, as in our Planes,	...	...	40/	41/	42/	43/	44/	45/	46/ per doz.
860—Brass, Second Quality,	...	...	14/6	16/	17/6	19/6	20/6	22/	23/6 "

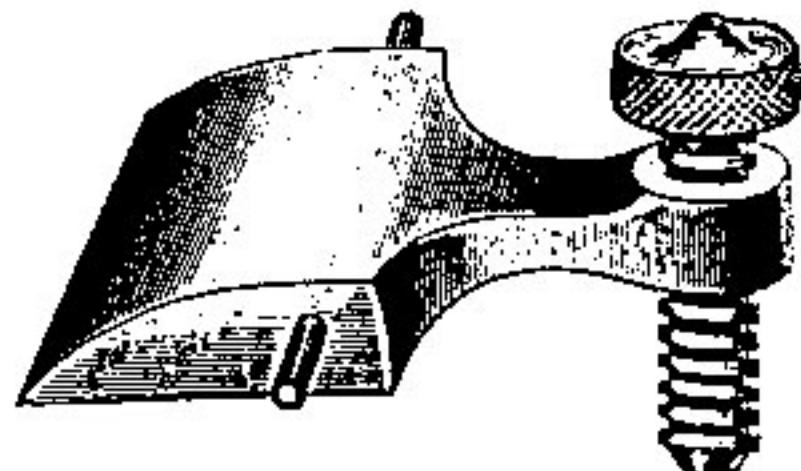
For Irons for above Planes, see "Light Edge Tools."



No. 853—Shoulder Plane.



No. 854—Thumb Plane.

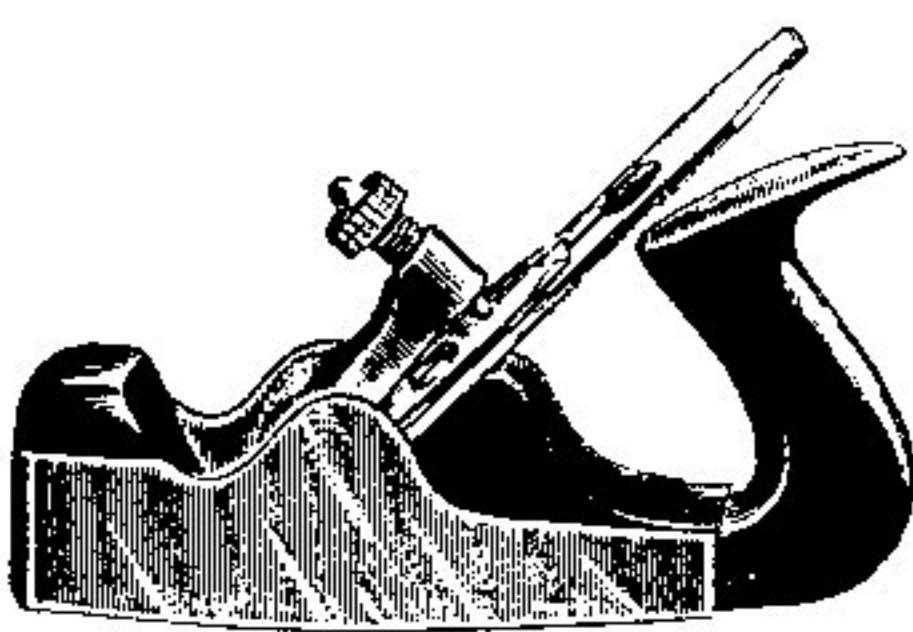


No. 859—Gun-Metal Lever.

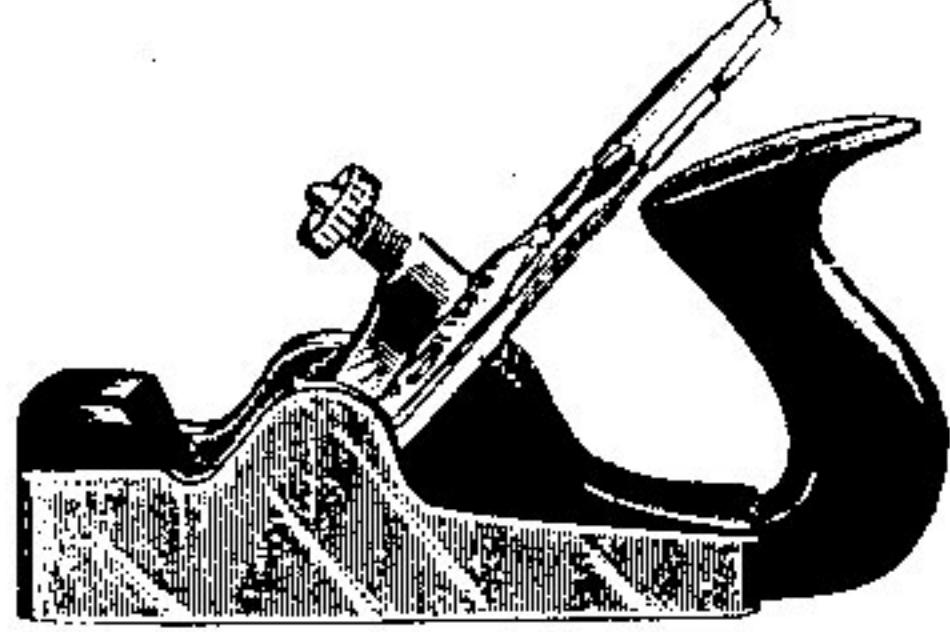
WROUGHT STEEL PLANES.



No. 842—Improved Smoothing Plane.



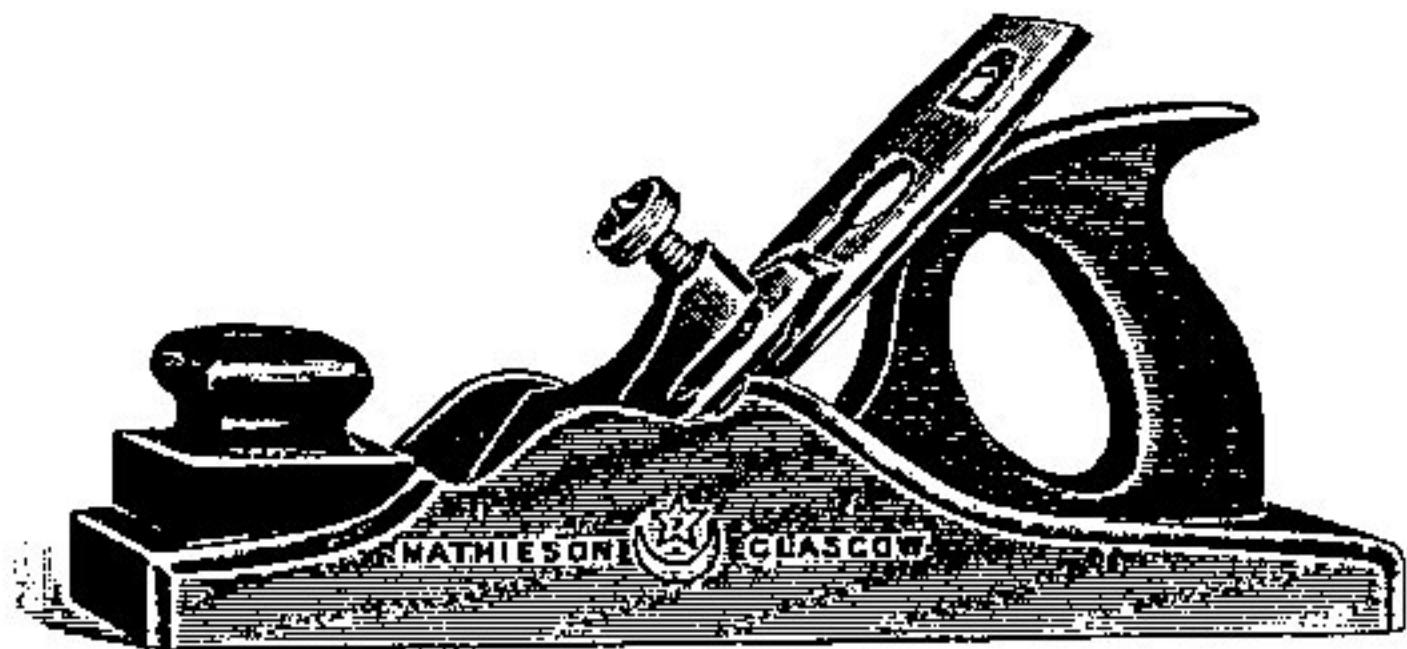
No. 843—Handled Improved Smoothing Plane.



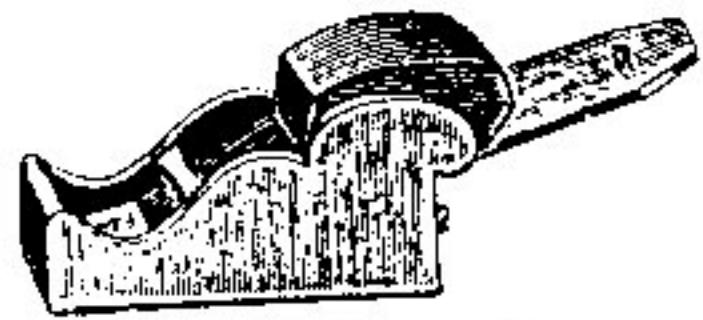
No. 844—Handled Parallel Side Smoothing Plane.



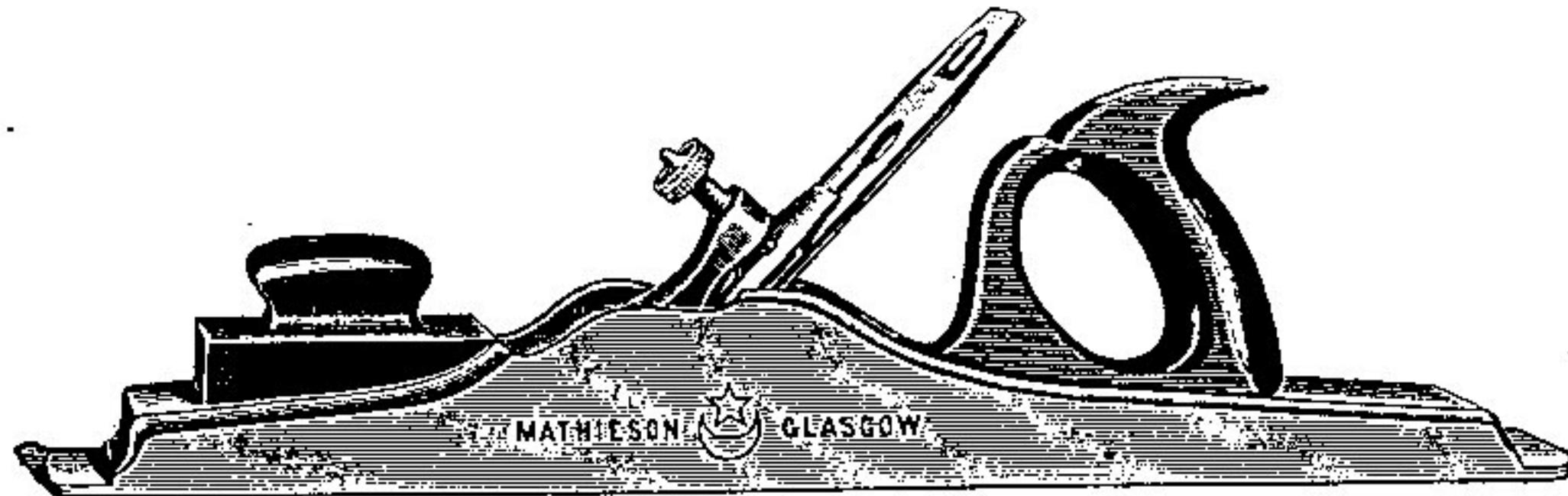
No. 855—Bull-Nose Plane.



No. 845—Panel Plane.



No. 857—Chariot Plane.



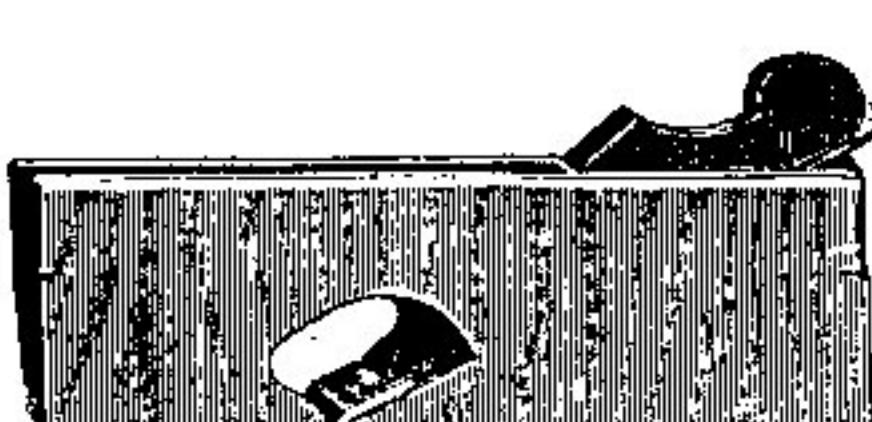
No. 846—Jointing Plane.



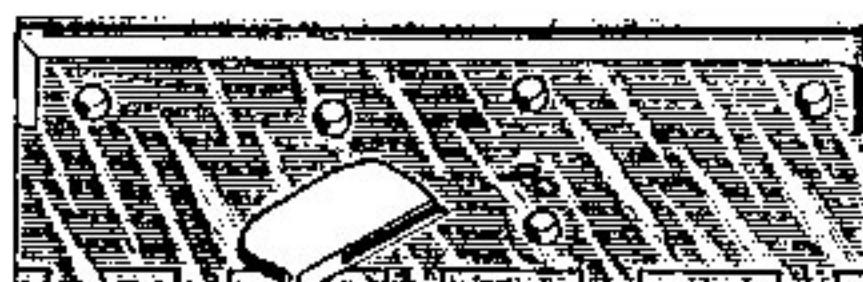
No. 847—Improved Mitre Plane.



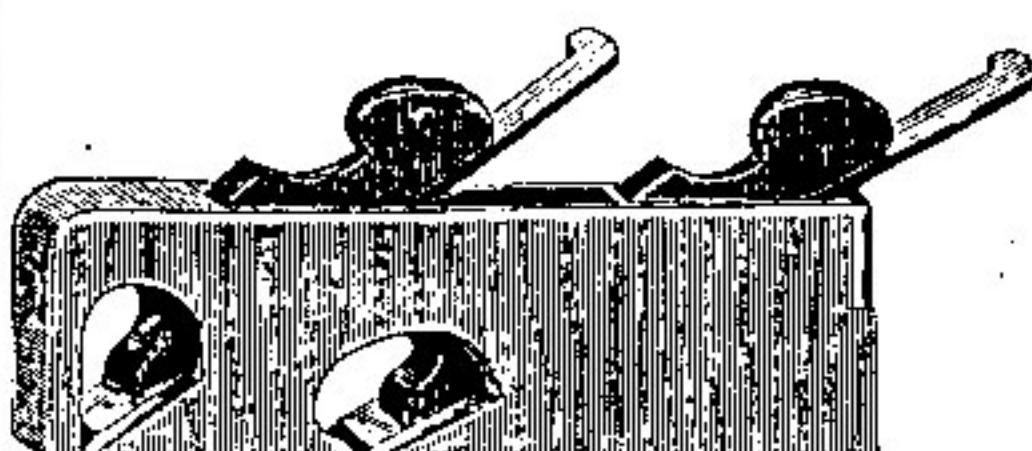
No. 848—Plain Mitre Plane.



No. 849—Rabate, One Iron.



Side and Face of Rabate Plane (unfinished),
shewing the method our Wrought-Steel Planes
are made.



No. 851—Rabate, Two Irons.

SPIRIT LEVELS.

No. 2 C.



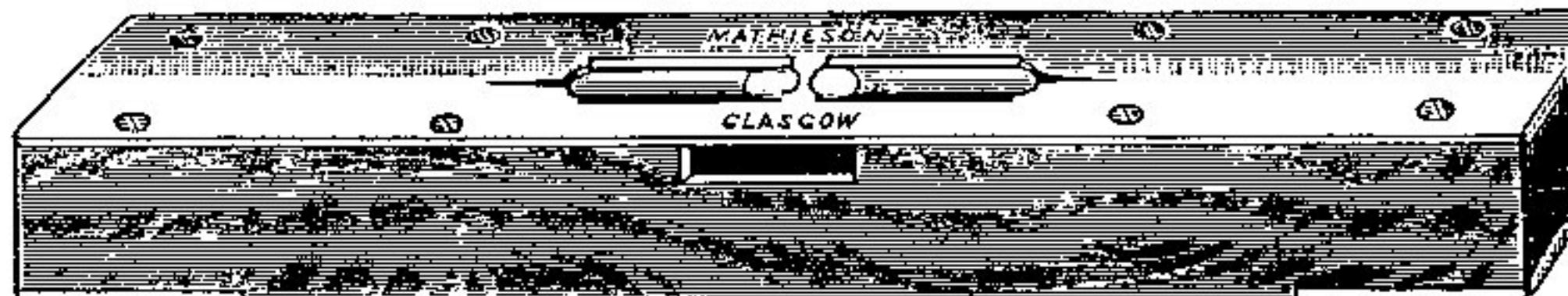
No. 2 A.—Mahogany, Polished, Plated Top,	...	...	...	...	...	...	8	9	10	12 inch.
" 2 B. " "	" "	" "	Side View,	...	...	...	1/5	1/6	1/8	1/9 each.
" 2 C. " "	" "	" "	Tipt Bottom,	...	...	...	1/8	1/9	1/10	1/11 "
							2/1	2/2	2/3	2/4 "

No. 3 C.



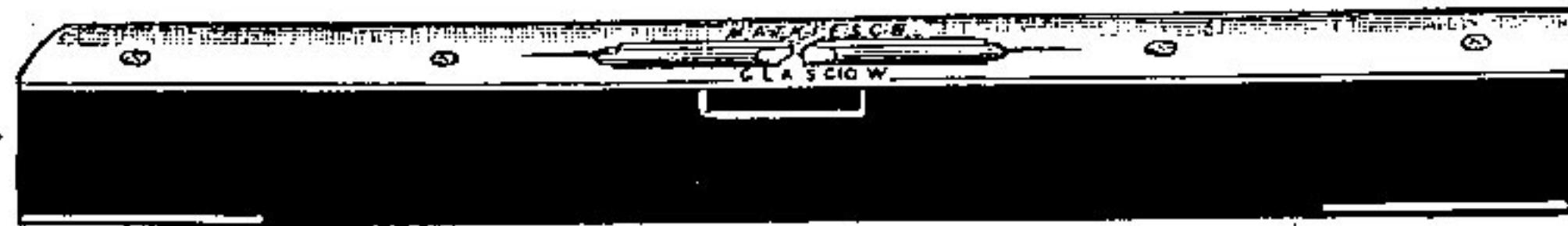
No. 3 C.—Mahogany, Raised Top, Plated, Tipt Bottom, Polished,	...	...	...	...	...	8	9	10	12 inch.	
" 8 C.—Rosewood,	"	"	"	"	"	—	2/6	2/7	2/9	2/11 each.
" 08 C.—Ebony,	"	"	"	"	"	—	2/9	2/11	3/1 "	3/4
						—	3/1	3/4	3/6 "	3/6

No. 4 C.



No. 4 C.—Mahogany, Broad Pattern, Polished, Plated Top, Tipt Bottom, Side View,	...	2/4	2/5	2/7	2/9 each.
" 4 B. " "	Plain "	"	—	2/	2/1
" 9 C.—Rosewood,	" "	"	—	2/9	2/11
" 09 C.—Ebony,	" "	"	—	3/	3/4
			—	3/	3/6 "

No. 06 C.



No. 06 C.—Ebony, Light Pattern, Plated Top, Tipt Bottom,	...	...	6	8	9	10	12 inch.
			1/11	2/2	2/3	2/4	2/5 each.

No. 010 C.



No. 010 C.—Ebony, Plated Top, Tipt Bottom, Inlaid Side View,	...	...	...	...	...	9	10	12 inch.
" 10 C.—Rosewood,	"	"	"	"	"	3/5	3/9	3/11 each.

" 10 C.—Rosewood, "

" 10 C.—Ebony, "

12

SPIRIT LEVELS—Continued.

No. 7 C.



No. 7 C.—Rosewood, Plated Top, Tipt Bottom, Side View, 8 9 10 12 inch.
2/2 2/3 2/5 2/7 each.

No. 07 C.



No. 07 C.—Ebony, Plated Top, Tipt Bottom, Side View, 8 9 10 12 inch.
2/5 2/6 2/10 3/ each.

No. 77 C.



No. 77 C.—Rosewood, as No. 7 C, but with Slide Protector for Tube, 8 9 10 12 inch.
2/10 2/11 3/1 3/3 each.
" 077 C.—Ebony, as No. 07 C, " " " " 3/1 3/2 3/6 3/8 "

No. 011 C.



No. 011 C.—Ebony, Fancy Plated, Tipt Bottom, 9 10 12 inch.
" 11 C.—Rosewood, " " " " 3/8 3/11 4/2 each.
" " " " " 3/5 3/6 3/9 "

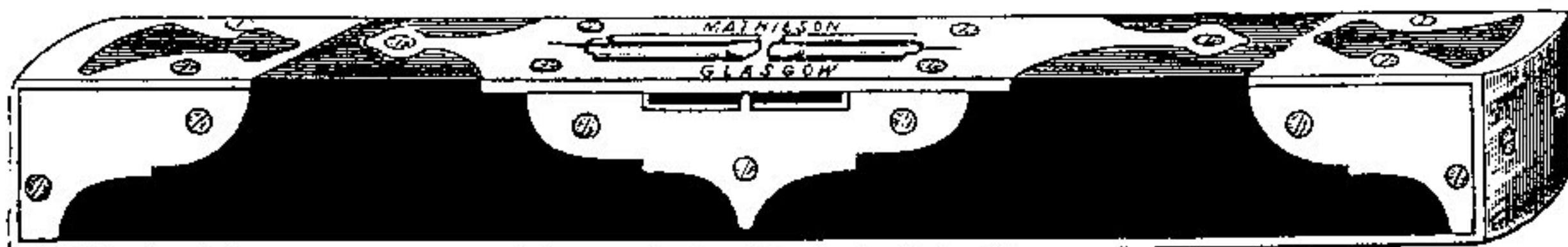
No. 014 D.



No. 014 D.—Ebony, Fancy Plated, Inlaid Side View, Plated Bottom, 9 10 12 inch.
" 014 C.—" " " " " 5/3 5/7 5/9 each.
" 14 C.—Rosewood, " " " " 4/10 5/2 5/4 "
" " " " " 4/7 4/9 4/11 "

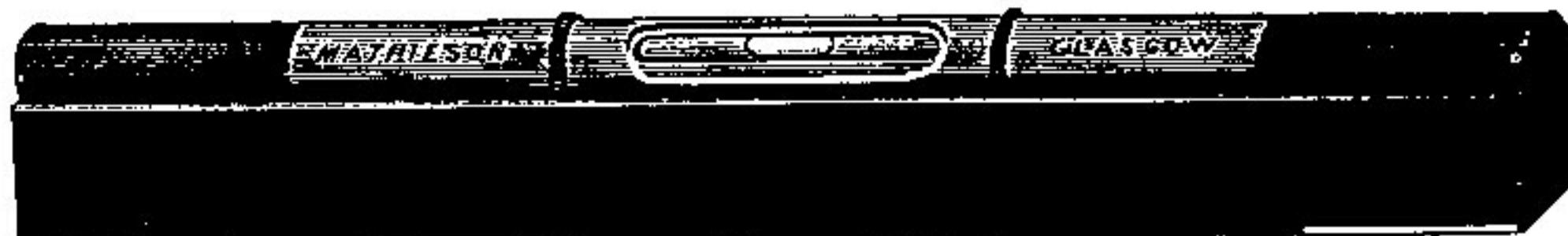
SPIRIT LEVELS—Continued.

No. 015 D.



No. 015 D.—Ebony, Fancy Plated, Inlaid Side View and Ends, Superior Finish, ...	... ... ... ...	12	15 inch.
		12/6	13/6 each.

No. 018 C.



No. 018 C.—Ebony "Protector" Level, having Brass Revolving Tube to protect the glass, ...	... ... ... ...	9	10	12 inch.
		6/	6/4	6/8 each.

No. 092 C.



No. 092 C.—Ebony, Fancy Plated, Tipt Bottom, ...	... ... ... ... ... ... ...	9	10	12 inch.
		4/	4/3	4/6 each.

No. 20 C.



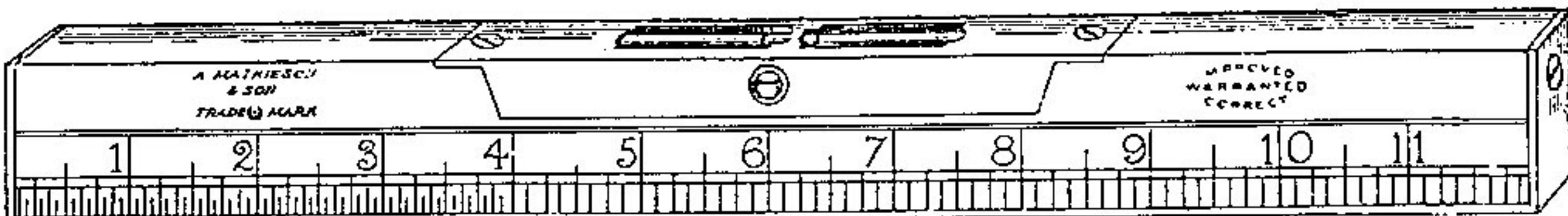
No. 20 C.—Masons' Side Pocket Level, Rosewood, 10 or 12 inch,	2/5 each. <small>22"</small>
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No. 21 C.

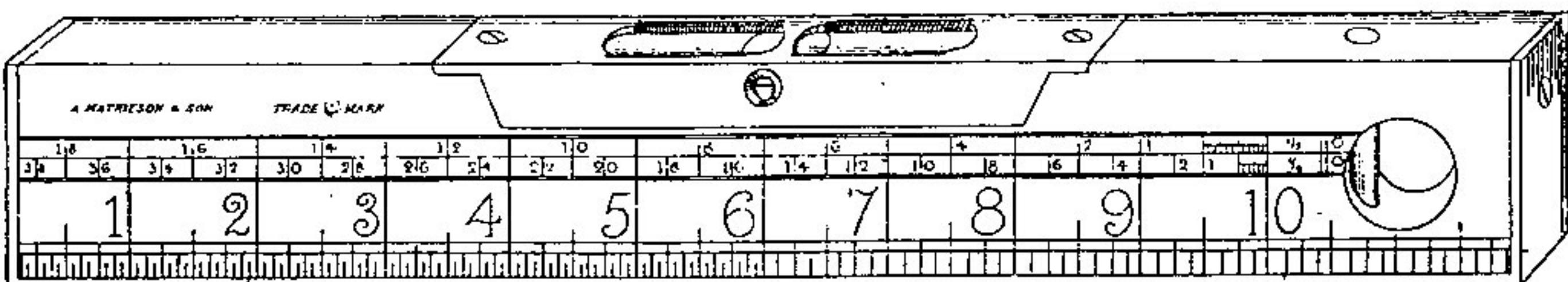


No. 21 C.—Masons' Side Pocket Level, Rosewood, with Plumb, 10 or 12 inch,	3/4 each.
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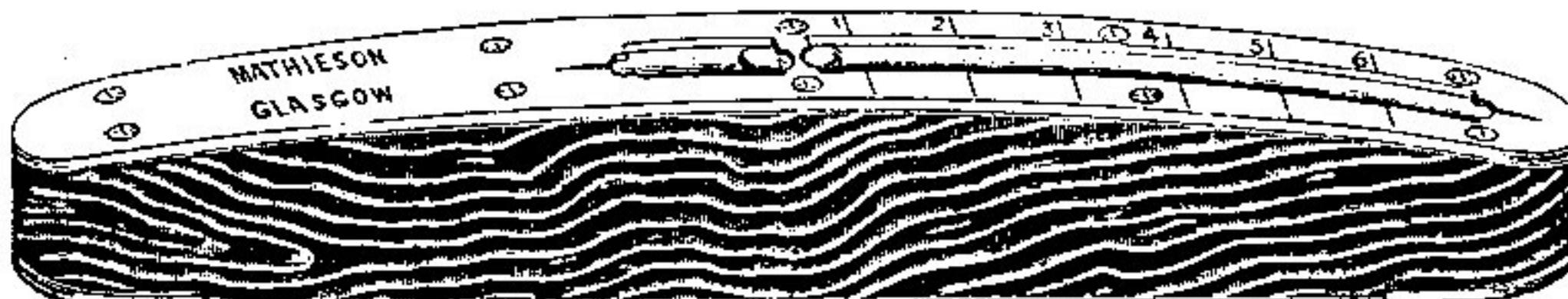
SPIRIT LEVELS—Continued.



No. 22 C.—Masons' Boxwood Rule and Level, 12 inch, 2/7 each.

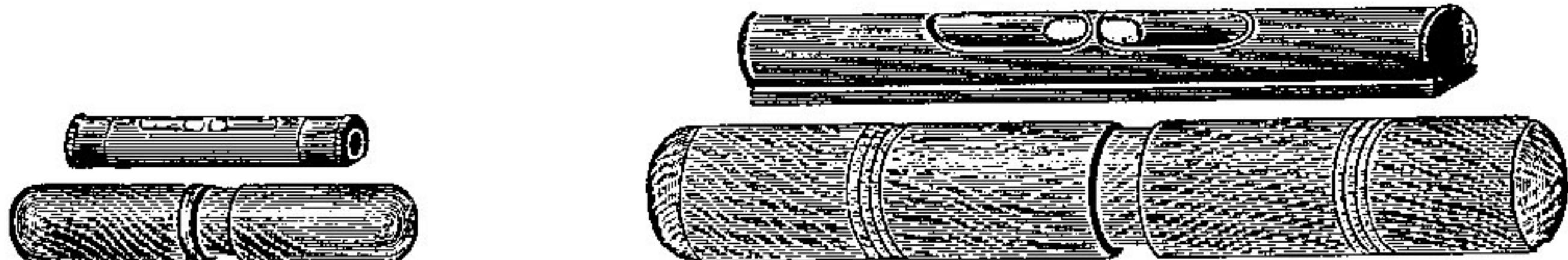


No. 23 C.—Masons' Boxwood Rule and Plumb Level, 2/6 2/9 3/6 each.



No. 25.—Railway Platelayers' Level for Curves, Mahogany, Plated Top, Tipt Bottom, 12 inch, graduated in inches and half-inches, ...

5/6 each.



No. 29.—Brass Tube Level, with
Boxwood Case, 2½ in., 14/6 per doz.

No. 33.—Brass Tube Level on Sole, with Case. 2/10 3/2 3/6 4/9 6/3 each.



3 6 inch.

No. 36.—Brass Level, with Case, 2/- 3/- each.



SPIRIT LEVEL TUBES.

	To	2½	3	3½	4	4½	5	6	8	inch.
No. 57.—Level Tubes, Warranted,	3/	3.6	4/	5/	5/6	6/6	8/	11/	per doz.	
" 58.—" Extra Fine,	4/	4/6	5/	6/6	7/	8/6	10/	14/	"	
" 59.—" " Ground,	12/	13/	14/	15/	17/	18/	23/	26/	"	
	Assorted to 3½ to 4 to 4½ to 5 inch.									
" 57.—" Warranted,	3/9	4/	4/3	4/6	per doz.					

PLUMB LEVELS.



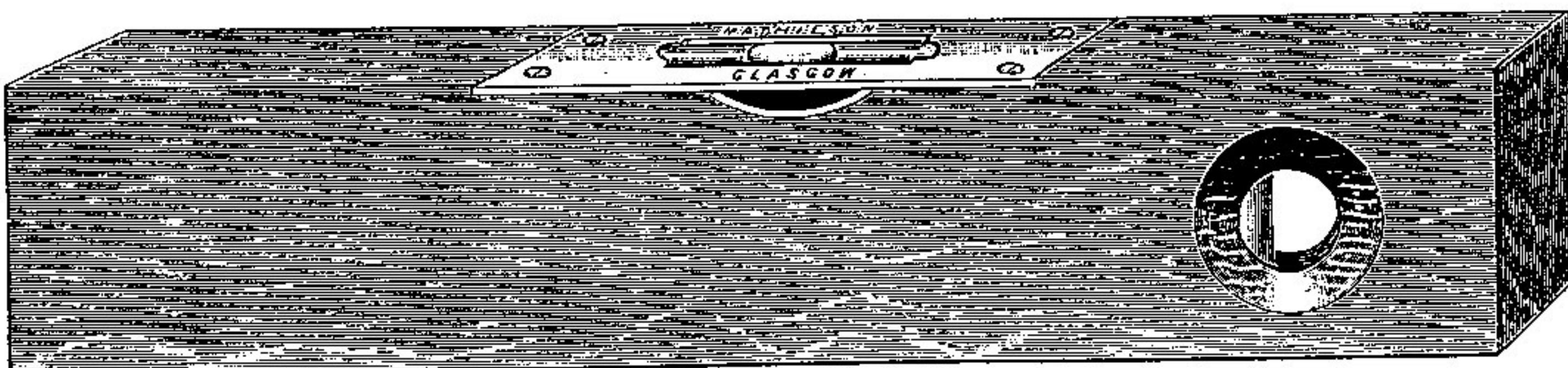
No. 65 D.

No. 65 D.—Rosewood, Light Pattern, Plated Top, Tipt Bottom and Ends, Polished, 12 inch, ...	... ...	... ...	... ...	4/- each.
" 65 C.— " " " "	" " " "	" " " "	" " " "	3/8 "



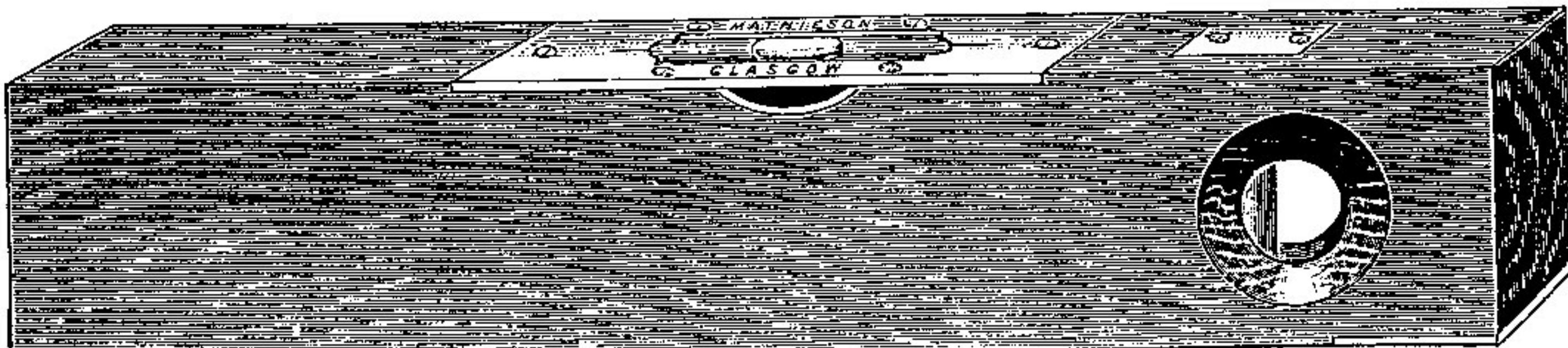
No. 61 C.

No. 61 C.—Mahogany, Plated Top, Tipt Bottom, Polished, ...	10	12	14	16 inch.
	3/10	4/-	4/4	4/6 each.



No. 69 B.

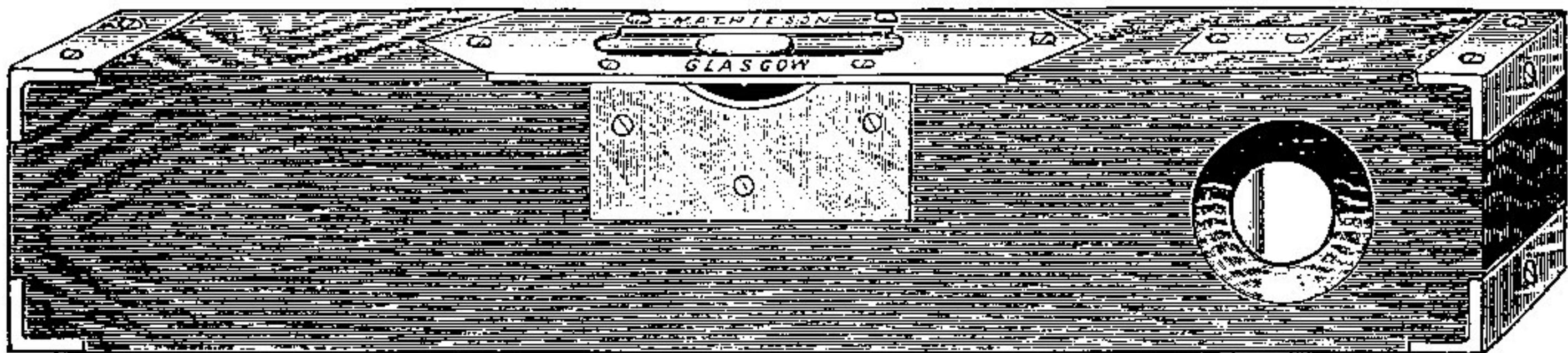
No. 69 B.—Mahogany, with Side View, ...	12	15	18	21	24	27	30 inch.
	2/6	2/10	3/2	3/6	3/10	4/4	4/8 each.



No. 70 C.

No. 70 C.—Mahogany, with Side View, Tipt Bottom, ...	12	15	18	21	24	27	30 inch.
" 70 R.— " " not " "	3/3	3/10	4/1	4/6	4/10	5/6	6/- each.

PLUMB LEVELS AND SURVEYING LEVELS.

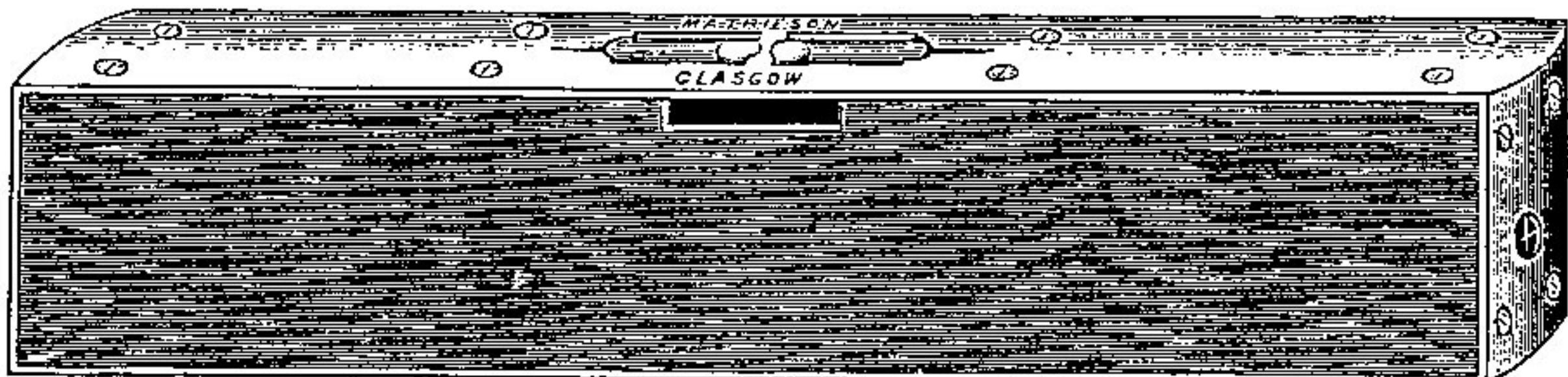


No. 71 D.

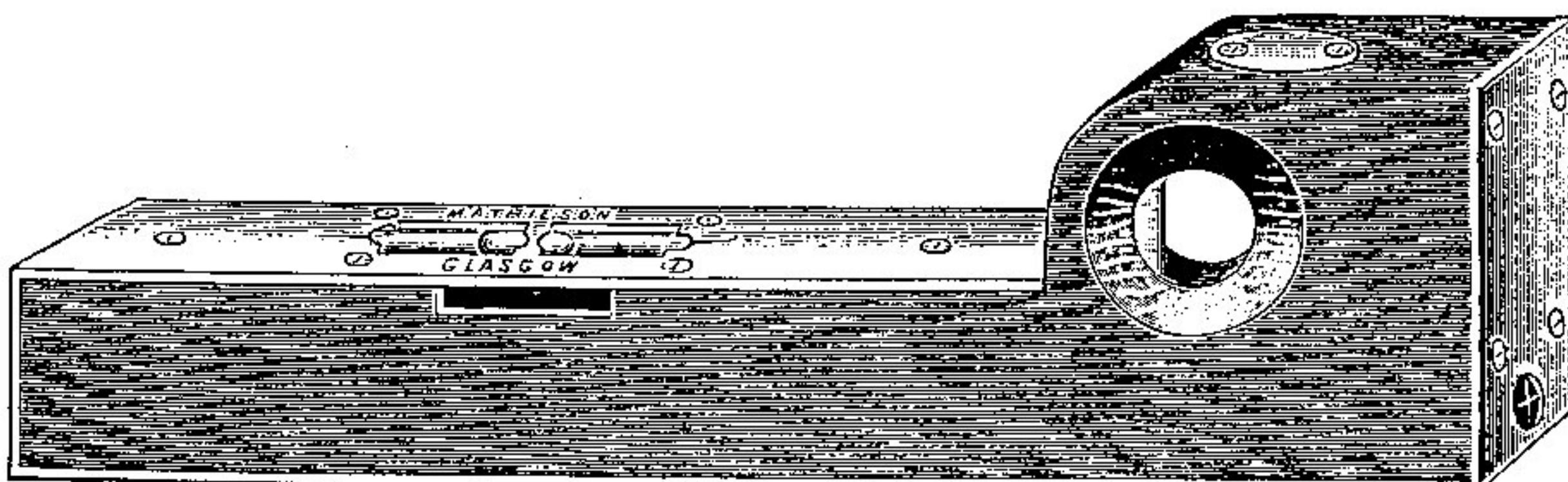
	12	15	18	21	24	27	30 inch.
No. 71 D.—Mahogany, Brass Side View, Full Tipt or Plated Ends, Polished,	6/3	6/9	7/	7/6	7/9	8/6	8/9 each.
" 71 C.— " Side View, Half Tipt, Polished,	4/7	5/2	5/6	6/	6/3	6/9	7/3 "
" 76 D.—Rosewood, Brass Side View, Full Tipt or Plated Ends, Extra Quality, Triple Stock, Polished,	20	22	24	26	28	30	inch.
	15/	15/6	16/	16/6	17/	18/	each.



No. 41 B.—Surveying Level, Mahogany, Plated Top and Ends, Polished,	10	12	14 inch.
	5/3	5/9	6/ each.



No. 44 D.—Surveying Level, Rosewood, Plated Top and Bottom, Polished,	10	12	14 inch.
	6/6	7/3	7/6 each.



No. 46 D.—Plumb and Surveying Level, Rosewood, Full Plated, Best,	12	14	16 inch.
	10/3	10/9	11/ each.

JOINERS' TOOLS.

TURNSCREWS, BRIGHT CAST STEEL, STRONG BRASS FERRULES.

No.				3	4	5	6	7	8	9	10	11	12	14	15	16	18	inch.	
861—Scotch Pattern, Beech Handles,	...	...	...	8/	9/6	11/	13/	16/	18/6	21/	25/6	29/	33/	41/	45/	49/	58/	per doz.
862—London "	"	"	"	8/	9/6	11/	13/	16/	18/6	21/	25/6	29/	33/	41/	45/	49/	"
863—"	"	"	"	Worked Oval,	11/	13/	14/6	17/	21/	24/6	28/	33/3	37/	41/	—	—	—	"	
864—"	"	"	Boxwood Handles,	12/	15/	18/	21/	24/	28/	32/	36/	41/	46/	—	—	—	"
865—"	"	"	"	Worked Oval,	15/6	17/6	21/	25/	29/	34/	39/	44/	49/	54/	—	—	—	"	
866—"	"	"	Cabinet, Beech Handles,	...	9/6	11/	13/	16/	18/6	21/	25/6	29/	33/	38/	—	—	—	"	
867—"	"	"	"	Worked Oval,	12/6	14/6	16/6	20/	23/6	27/	32/6	36/9	41/	46/	—	—	—	"	
868—"	"	"	"	Boxwood Handles,	...	13/6	16/6	20/	24/	26/6	30/6	36/6	40/6	45/	51/	—	—	—	"
869—"	"	"	"	Worked Oval,	16/6	20/	23/6	28/	31/6	36/6	43/6	48/	53/	59/	—	—	—	"	
					3	4	5	6	7	8	9	10	11	12	14	16	18	inch.	
870—Spindle Turnscroes, Beech Handles, ...	...	...	...	5/	5/6	6/	6/6	7/	8/	8/6	9/	10/	11/	14/	17/	20/	per doz.	
				2	2½	3	3½	4	5	6	7	8	9	10	11	12	inch.	Asstd. to 4 in.	
871—"Star" Pattern, Cabinet, Oval Boxwood Handles, Bright Iron Ferrules, ...	...	...	...	8/	8/	8/	9/6	11/	13/	15/	19/	21/	25/	29/	33/	37/	per doz.	9/ per doz.
872—Gun Turnscroes, Rosewood Handles, 2½ inch Blades,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8/ per doz.	

GENT.'S FANCY TURNSCREWS.

873—Cast Steel, Bright, London Pattern, in Hardwood Handles,	...	assorted 2½ to 4 inch, 7/ per doz. ; all 4 inch, 9/ per doz.
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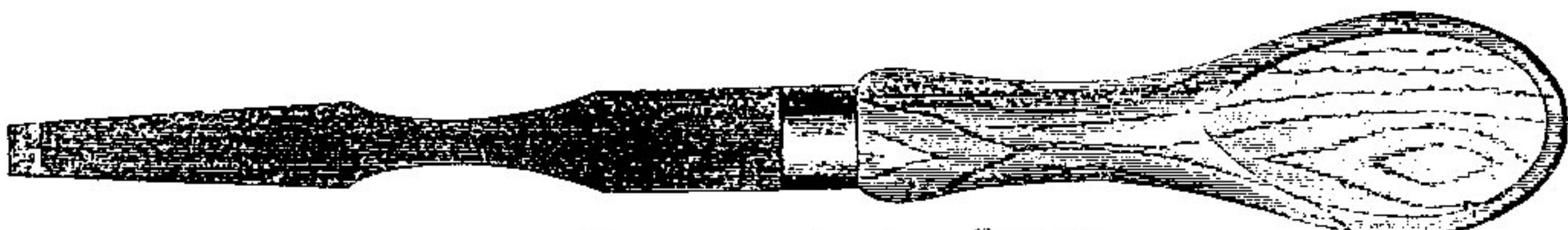
	HAND PRICKER PADS.	With	S	10	12	Tools.
S30—Hand Pricker Pads, Winged, Boxwood,	22/	23/	26/ per doz.

MARKING AWLS or DRAW POINTS.

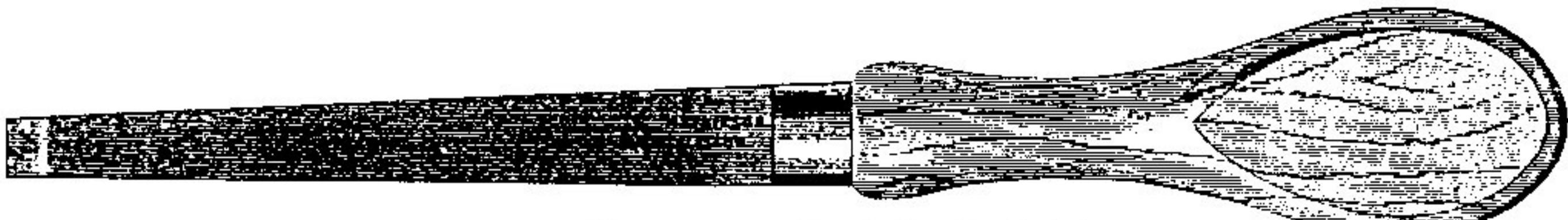
	Length from Handle,	3½	4	4½	5	6	7	8	inch.	Asstd. 3½ to 5 in.
874—Marking Awls, without Shoulder, Fancy Handles,	...	4/	4/	4/	4/2	4/4	4/6	5/	per doz.	4/ per doz.
875—"	Square Shouldered,	...	5/	5/	5/	5½	6/	—	—	5/ "
876—"	Chisel End,	...	—	—	—	—	2/	2/	2/4	"
877—Striking Knives,	...	...	...	—	—	—	—	4/	4/4	"

19

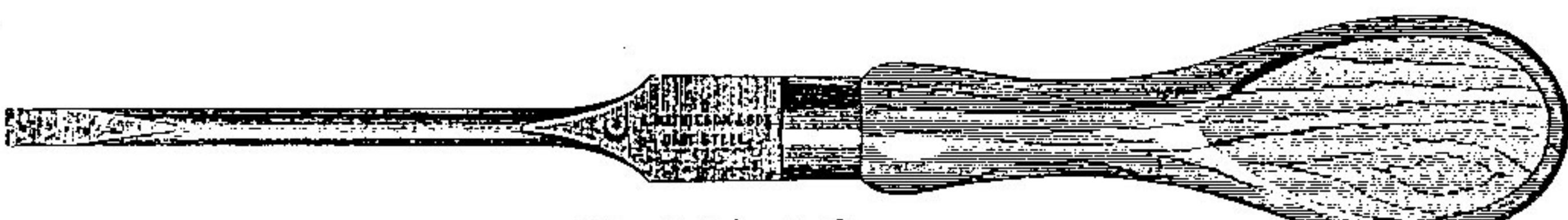
TURNSCREWS &c



802 *Turnscrew, London Pattern.*



861 *Turnscrew, Scotch Pattern.*



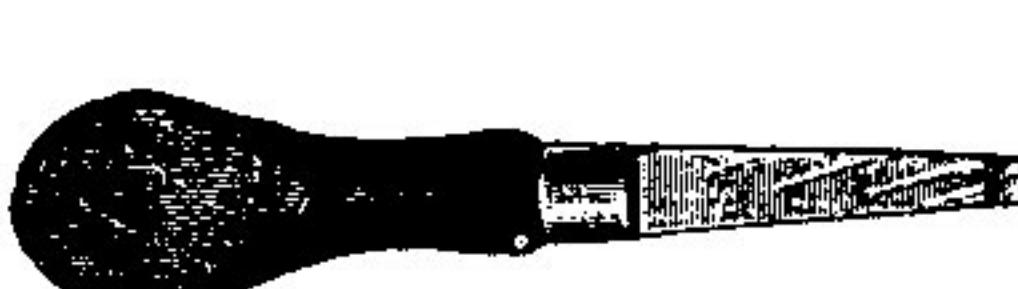
866 *Cabinet Turnscrew.*



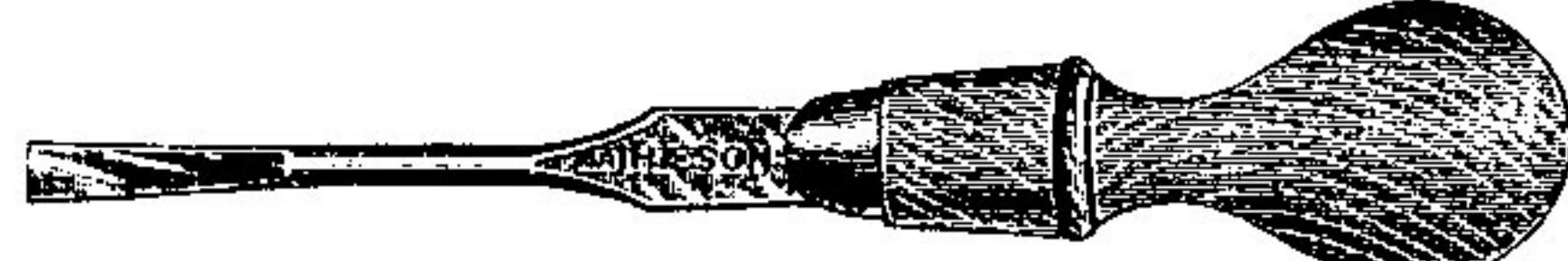
873 *Gents Fancy Turnscrew.*



870 *Spindle Turnscrew.*



872 *Gun Turnscrew.*



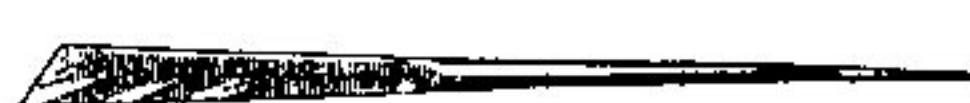
871 *"Star" Pattern Cabinet Turnscrew.*



874 *Handled Marking Awl.*



830 *Winged Pricker Pad, 10 Tools*



876 *Chisel End Marking Awl.*



877 *Striking Knife.*

JOINERS' TOOLS—*Continued.*

GAUGES.

CUTTING GAUGES.

MARKING AND CUTTING GAUGE COMBINED.

893—Marking and Cutting Gauge—Combined—Beechwood, 15/- per doz.

MORTICE GAUGES.

EXTRAS.—Mortice Gauges, with Brass-headed Thumbscrews to Heads, 5/- per doz.

" " " " with Oval Heads, where not mentioned, 4/ "

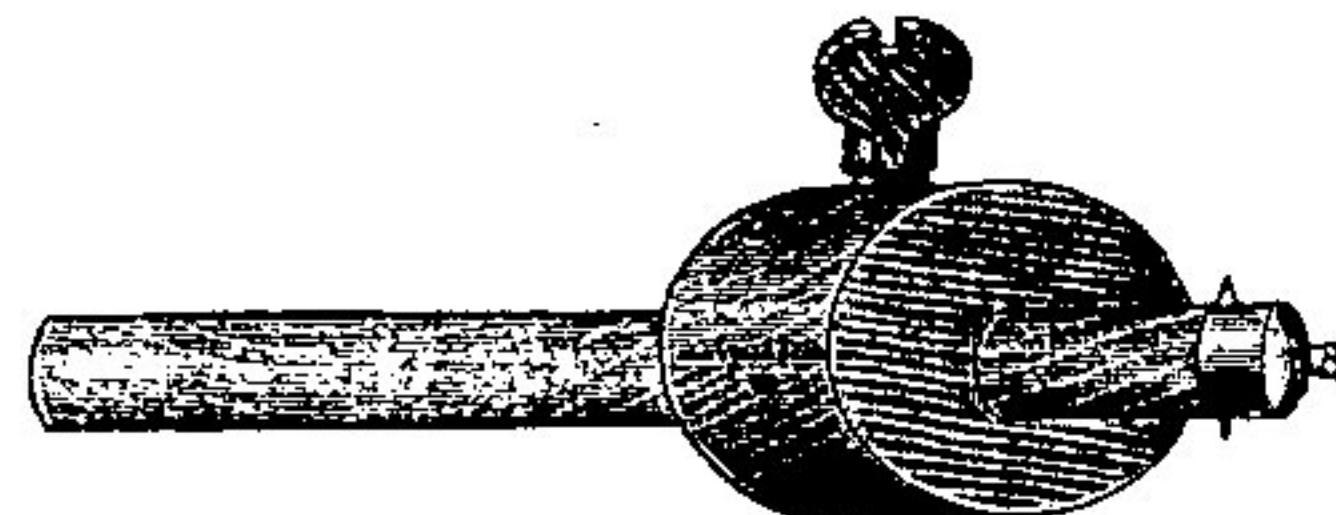
JOINERS' TOOLS. GAUGES



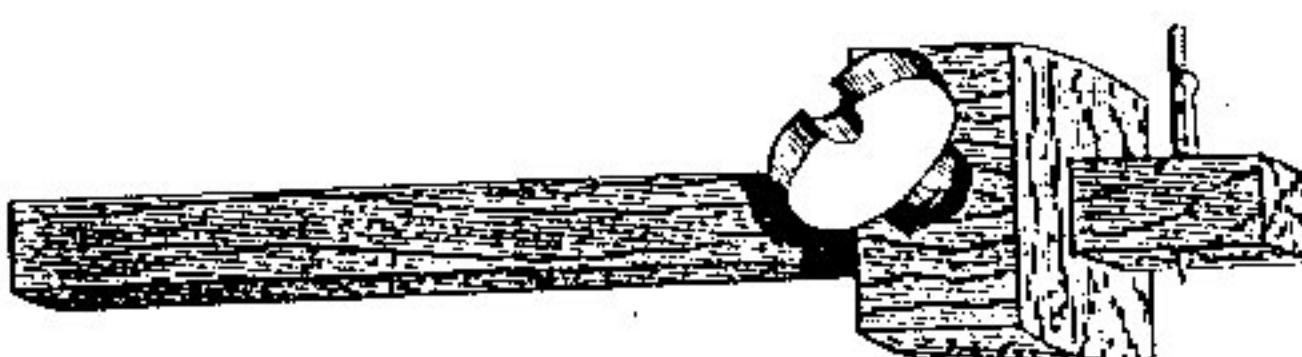
879 Marking Gauge.



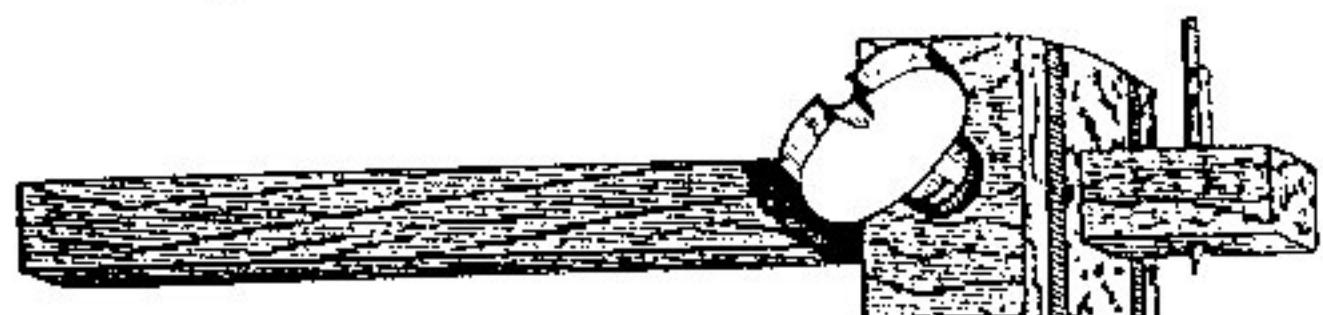
880 Marking Gauge, Plated.



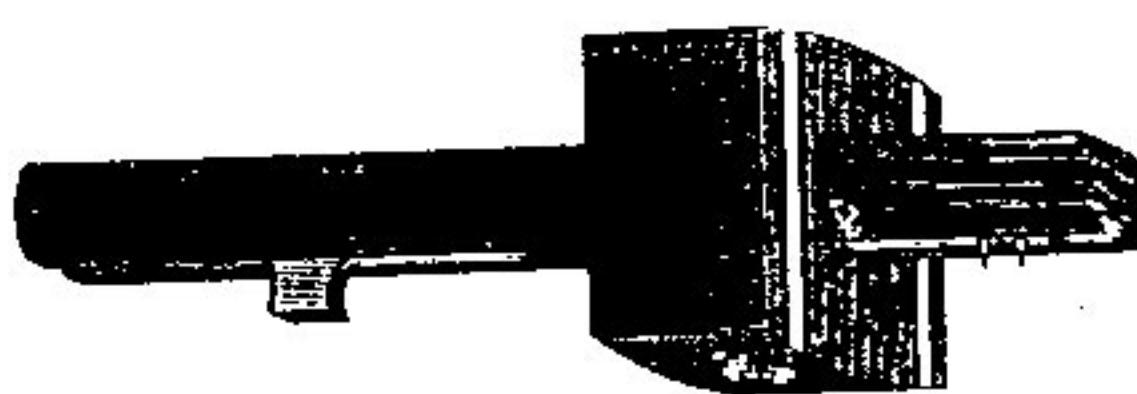
893 Combined Marking and Cutting Gauge.



884 Cutting Gauge.



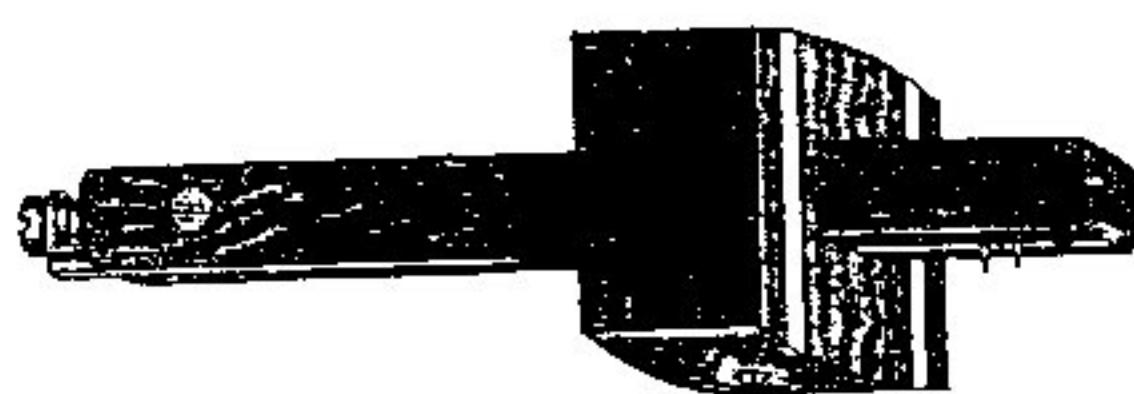
885 Cutting Gauge, Plated.



898 Best Slide Mortice Gauge, Plated.



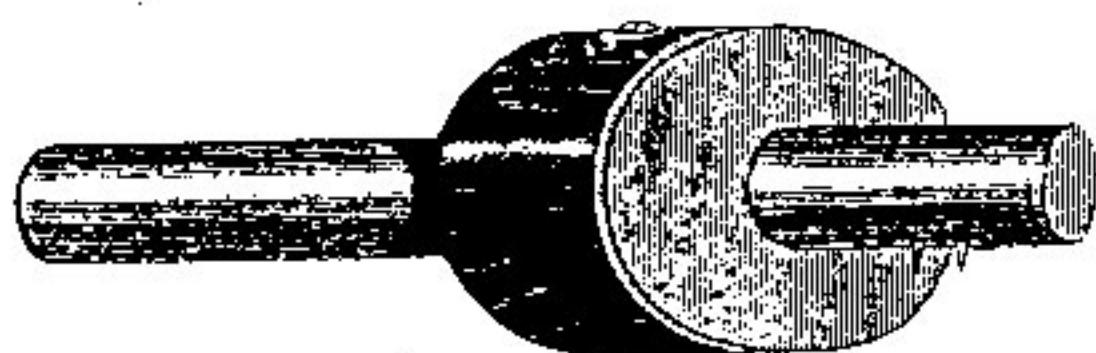
909 Reverse End Mortice Gauge.



901 Screw Slide Mortice Gauge, Turn螺丝.



900 Screw Slide Mortice Gauge, Thumbscrew.



910 Improved Brass Stem Mortice Gauge.



911 Improved Mortice Gauge, Improved Stem.

JOINERS' TOOLS—Continued.

No.	SQUARES.											
	3	4½	6	7½	9	10½	12	15	18	21	24	inch.
912—Diamond Plated Squares, ...	... 17/	19/6	23/6	28/6	33/6	39/	44/	58/	74/	96/	120/	per doz.
913—Rosewood, Best Plated Squares, ...	20/6	22/6	26/	32/	38/	43/	50/	68/	84/	108/	132/	"
914—Ebony, " " "	22/	24/	28/	34/	40/	46/	54/	74/	90/	—	—	"
							8	10	12	14	16	inch.
915—Plated Mitre Squares, ...	... ...	...	...	...	...	...	34/	40/	46/	55/	64/	per doz.
916—Rosewood, Best Plated Mitre Squares, ...	...	...	...	...	...	...	50/	58/	66/	77/	88/	"
917—Ebony, " " "	...	...	...	...	...	...	52/	60/	70/	80/	92/	"
							6	7½	9	12	15	inch.
918—Best Plated Rosewood Combination Try and Mitre Squares, ...	...	...	...	...	...	...	35/	40/	48/	60/	per doz.	
							18	24	30	36	42	inch.
946—Oakwood Squares, ...	...	...	...	...	...	...	...	...	29/	34/	39/	per doz.

BEVILS.

								7½	9	10½	12	15 inch.
919—Plated T Bevils, Rivetted, ...	...	...	...	...	...	...	...	24/	26/	28/	30/	38/ per doz.
920—Best " with Screw, ...	...	...	...	...	...	...	...	28/	32/	36/	40/	46/ "
921—Rosewood Improved Sliding T Bevils, ...	...	...	...	...	...	...	...	32/	36/	40/	44/	56/ "
922—Ebony " " "	...	...	...	...	...	...	...	33/	37/	41/	45/	57/ "
923—Plated Angle Bevils, Rivetted, ...	...	...	...	...	...	...	...	28/	30/	33/	36/	— "
924—Best " with Screw, ...	...	...	...	...	...	...	...	34/	38/	42/	46/	— "

Extra.—If with Brass-headed Thumbscrews, 5/- per doz.

SPOKESHAVES, with Cast Steel Irons.

					To	2½	3	3½	4	4½	5	5½	6 inch.
925—Beechwood Spokeshaves,	..	..	..	..	12/	14/	16/	18/	24/	30/	36/	42/	per doz.
926—	"	"	Plated,	..	16/	18/	21/	25/	30/	35/	42/	48/	"
927—	"	"	"	Screw Irons,	34/	38/	42/	48/	54/	62/	72/	84/	"
928—	"	"	London Pattern,	..	17/	21/	25/	30/	—	—	—	—	"
929—	"	"	"	Wheeler's or Coachmakers',	26/	30/	32/	36/	42/	—	—	—	"

Coopers' Spokeshaves, see Coopers' Tools.

								To	$2\frac{1}{2}$	3	$3\frac{1}{2}$	4	$4\frac{1}{2}$	inch.
930—Boxwood Spokeshaves,	"	"	"	"	"	"	"	18/	20/	24/	28/	36/	per doz.	
931—	"	"	Plated,	"	"	"	"	24/	27/	30/	36/	46/	"	
932—	"	"	"	Screw Irons,	"	"	"	45/	50/	56/	70/	—	"	
933—	"	"	"	London Pattern,	"	"	"	21/	26/	32/	38/	—	"	
934—	"	"	"	Extra Small, $1\frac{1}{2}$ inch Irons, Rounded Back and Front, Light, for fine work,	"	"	"			22/				

All Spokeshaves, 2½ inch up, if made with Round Fronts, 6d. per dozen extra.

BRAD or NAIL PUNCHES.

935—Brad or Nail Punches, Cast Steel, Black, Round, 1/10 doz.	939—Flooring Punches, Ex. Strong, Cast Steel, Black, Round, 2/6 doz.
936—" " " " Square, 1/10 "	940—" " " " " " Square, 2/6 "
937—" " " " Bright, Round, 2/9 "	941—" " " " " " Bright, Round, 3/6 "
938—" " " " Square, 2/9 "	942—" " " " " " Square, 3/6 "

BENCH STOPS or DOGS (Duppa's Patent).

944—Small, 16/6 per doz. 945—Large, 32/- per doz.

WOOD SCREW BOXES.

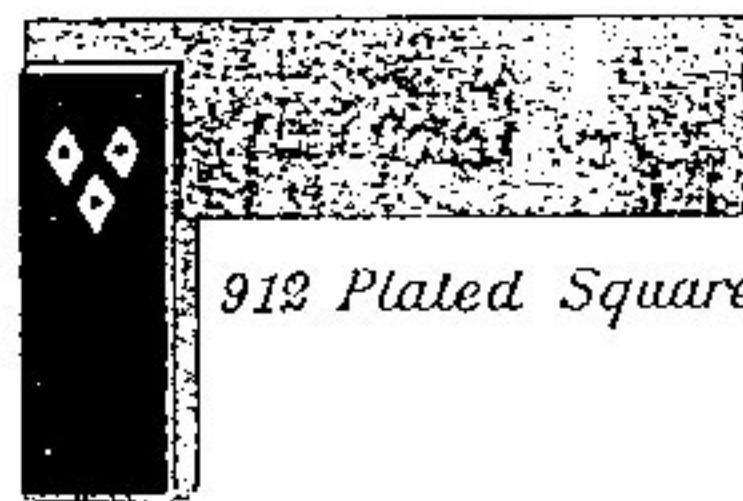
943—With Solid Taps, ... 3/8 3/8 3/8 3/8 4/ 4/6 5/ 5/6 6/ 7/ 8/ 9/ 10/ 13/ 17/ 21/ 25/ 30/ each.

$\frac{1}{2}$ to $\frac{3}{4}$ inch are without Handles.

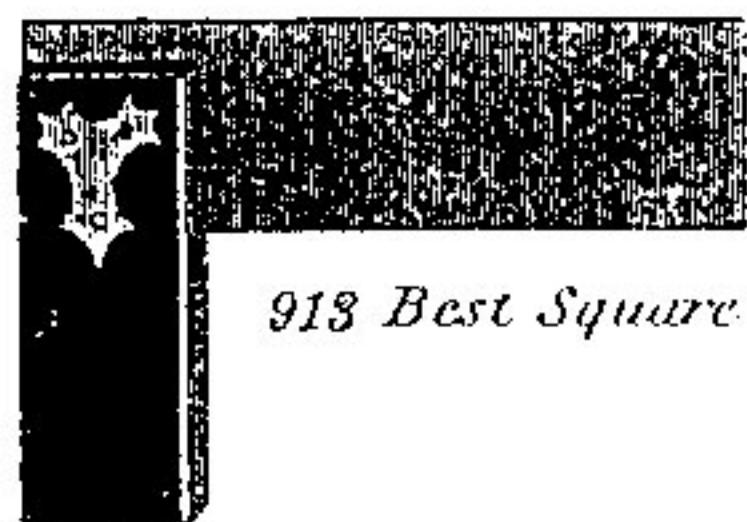
JOINERS' TOOLS, SQUARES, SPOKESHAVES &c



*Best Mitre Square.
916*



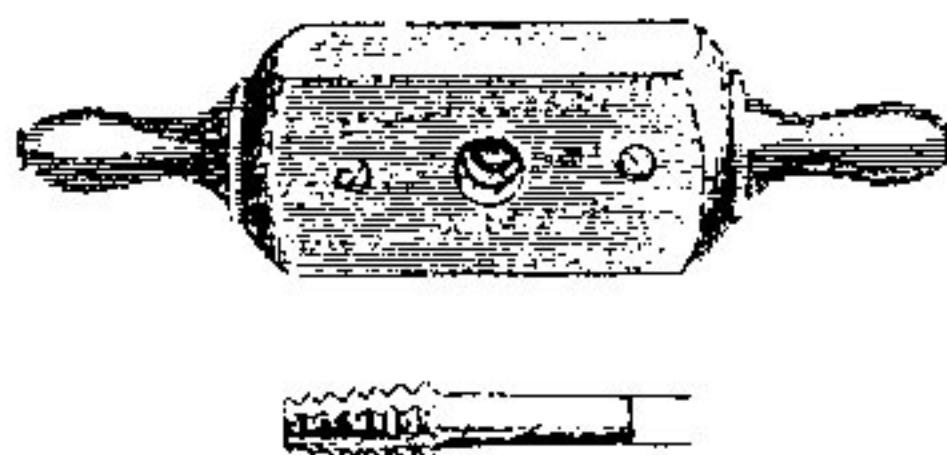
912 Plated Square.



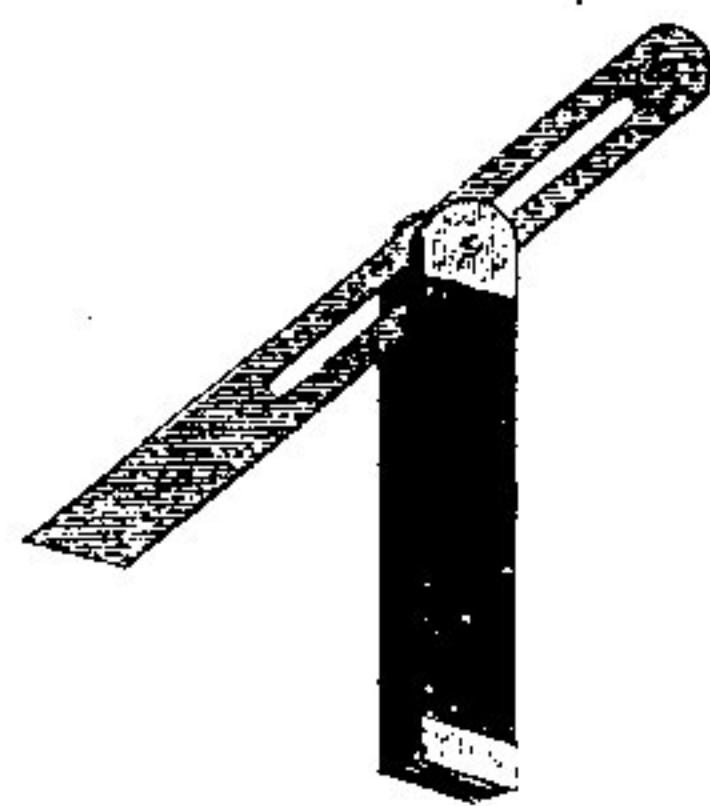
913 Best Square.



*918 Combination Try
and Mitre Square.*



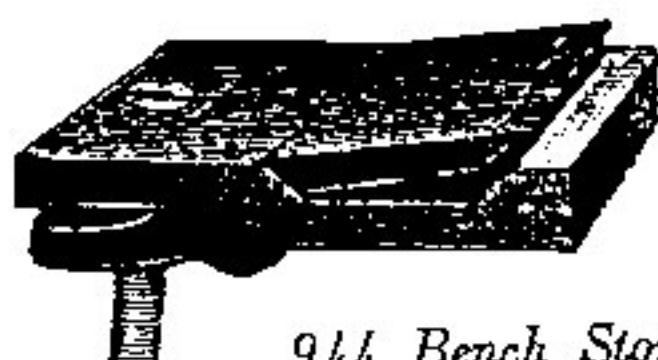
943 Screw Box with Tap



*921 Improved Sliding
Bevel.*



940 Oakwood Square.



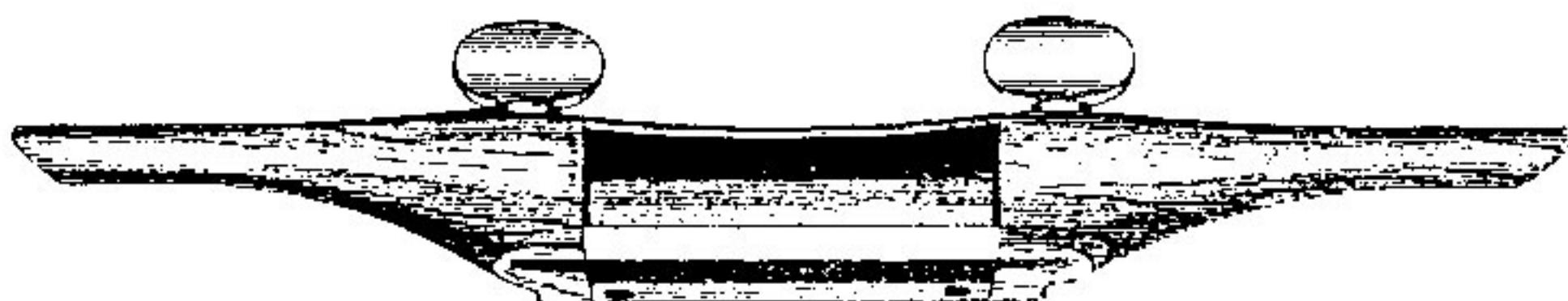
944 Bench Stop.



925 Spokeshave.



926 Plated Spokeshave.



927 Plated Spokeshave, Screw Iron.

930 Brad' Punch, Square.

935 Brad' Punch, Round.

JOINERS' TOOLS—Continued.

SAW SETS.

No.		No.	4	5	6	8 gates.
947—Hand Saw Sets, Beech Handled, Plain End, ...	12/ doz.	958—Pit Saw Sets, Black, ...	19/	21/	24/6	30/6 doz.
948— " " " " TurnscREW End, ...	13/ "	959— " " Bright, Slide Guards, —	—	—	36/	"
949— " " " " Forked End, ...	13/6 "					
950— " " " " Slide Guard, Single Edge, 22/ "						
951— " " " " Double Edge, 28/ "					6	8 gates.
952—Hand Saw Sets, Boxwood Handled, Plain End, ...	14/ "	960—Saw Sets, for Circular Saws, ...	5/	5/6 each.		
953— " " " " TurnscREW End, ...	15/ "	961—Plyer Saw Sets, ... ...	...	...	3/6 each.	
954— " " " " Forked End, ...	15/6 "	962— " " (Merrill's Pattern), ...	...	...	4/2 "	
955— " " " " Slide Guard, Single Edge, 24/ "						
956— " " " " Double Edge, 30/ "		963—Patent Saw Sets, ... ...	...	...	7/6 each.	
	6 8 10 gates.	964—Punches for Patent Saw Sets, ...	...	...	3/ "	
957—Hand Saw Sets, Bright Steel, ...	7/ 9/6 12/ doz.					

SAW PADS.

965—Saw Pads, Beechwood, Small, ...	... 11/ per doz.	967—Saw Pads, Rosewood, Small, ...	... 16/ per doz.
966— " " Large, ...	... 16/ "	968— " " Large, ...	... 18/ "
969— " Best Boxwood, Large, ...	... 24/ "	970— " " Ebony, Large, ...	... 30/ "

TURNING SAWS and FRAMES.

	To.	10	12	14	16	18	20	22 inch.
971—Beech Handled, ...	... 58/	62/	64/	76/	88/	100/	112/ per doz.	
972—Boxwood " ...	... 62/	66/	70/	85/	97/	—	—	"
973—Handles only, Beech, ...	... 1/4	1/5	1/6	1/8	1/10	2/	2/6 per pair.	
974— " Boxwood, ...	... 1/10	1/10	1/10	2/	2/2	—	—	"

CABINET SCRAPERS, Dressed on Edges.

Long, ...	3	3½	4	4½	5	5½	6 inch.	Astd. 4 to 5½ in. long.
Broad, ...	2 & 2½	2½ & 2½	2½ & 2½	2½, 2¾ & 3	2½, 2¾ & 3	2½, 2¾ & 3	2½ & 3 "	2½ to 2¾ in. brd.
975— ...	4/	4/	4/	4/6	5/	5/6	6/ per doz.	4/8 per doz.
976—Cabinet Scrapers, with one Round End, 5 × 3 in., ...	...	...	...	...	...	...	...	6/ per doz.
977—Cabinet Scraper Steels, ...	...	...	...	...	...	...	...	6/6 "

BOW SAW BLADES.

Length,	6 to 10	12	14	16	18	20	22	24	26	28	30	32	34	36 inch.
978—Breadth, ¼ inch, ...	4/6	5/	5/6	6/	8/	10/	—	—	—	—	—	—	—	— per doz.
" " ⅔ " ...	5/6	6/	6/6	7/	8/	10/	13/	15/	17/	22/	27/	32/	38/	— "
" " ½ " ...	6/6	7/	7/6	9/	10/	12/	13/	15/	17/	22/	27/	32/	38/	44/ "
" " ⅓ " ...	—	—	—	—	11/	13/	13/	15/	17/	22/	27/	32/	38/	44/ "
" " ⅔ " ...	—	—	—	—	—	—	14/	17/	18/	23/	27/	32/	38/	44/ "
" " ⅔ " ...	—	—	—	—	—	—	15/	19/	20/	25/	30/	32/	38/	44/ "
" " 1 " ...	—	—	—	—	—	—	17/	21/	22/	27/	35/	37/	42/	48/ "
" " 1⅔ " ...	—	—	—	—	—	—	19/	23/	—	—	—	—	—	"
" " 1½ " ...	—	—	—	—	—	—	—	—	—	—	—	—	—	"

PAD or KEY-HOLE SAW BLADES.

	Asstd. 9 to 12	9 to 14	All 8	9	10	11	12	13	14	15	16	18 inch.
979—Pad Saw Blades, ...	4/6	5/3	4/	4/3	4/6	4/9	5/	6/	7/	8/	9/	10/ per doz.

SAW SETS, SAW PADS &c



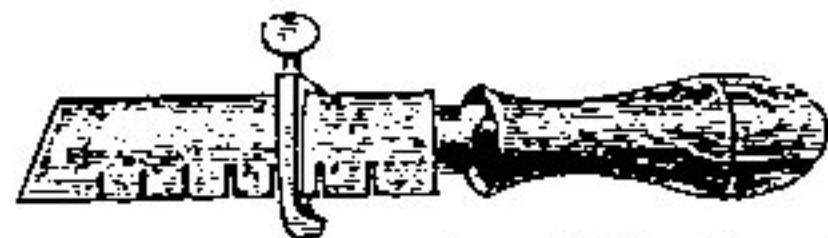
947 Hand Saw Set, Plain End.



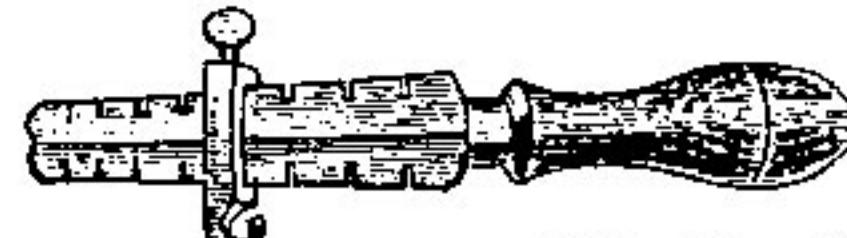
948 Hand Saw Set, Turn-screw End.



949 Hand Saw Set, Forked End.



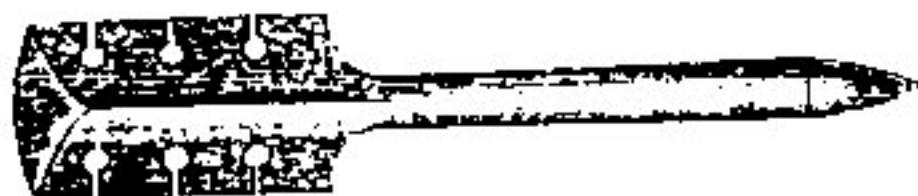
950 Hand Saw Set, Slide Guard,



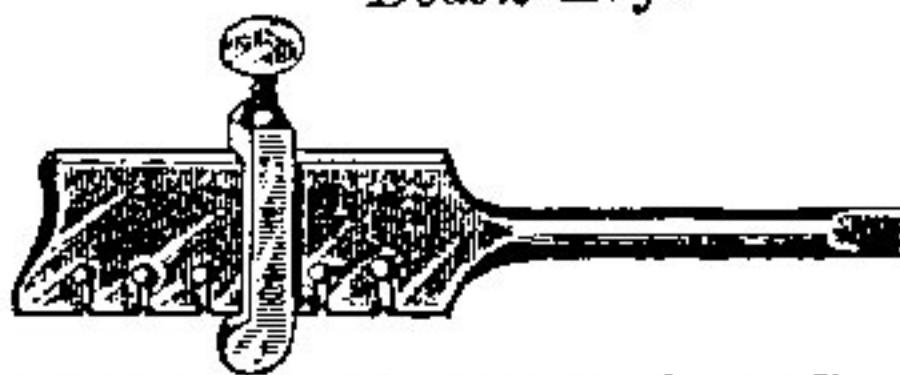
951 Hand Saw Set, Slide Guard,
Double Edge.



957 Hand Saw Set, Bright Steel.



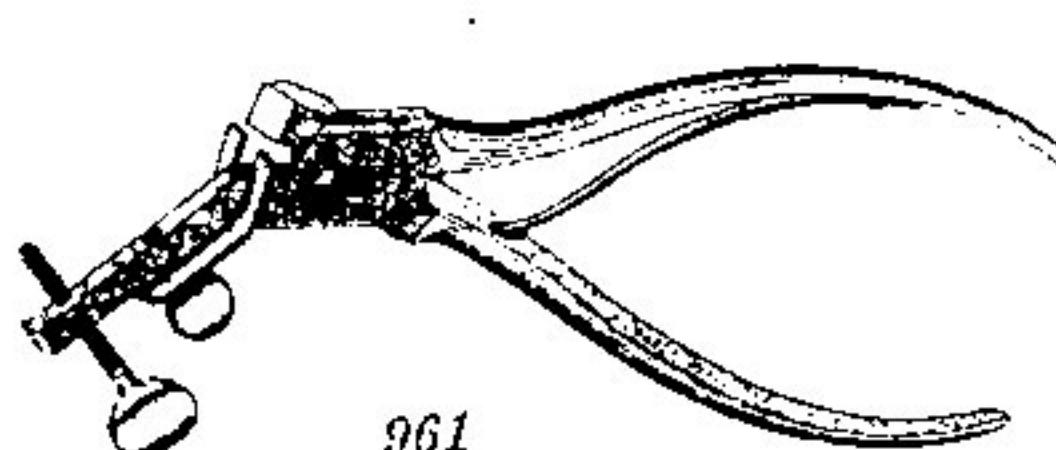
958 Pit Saw Set.



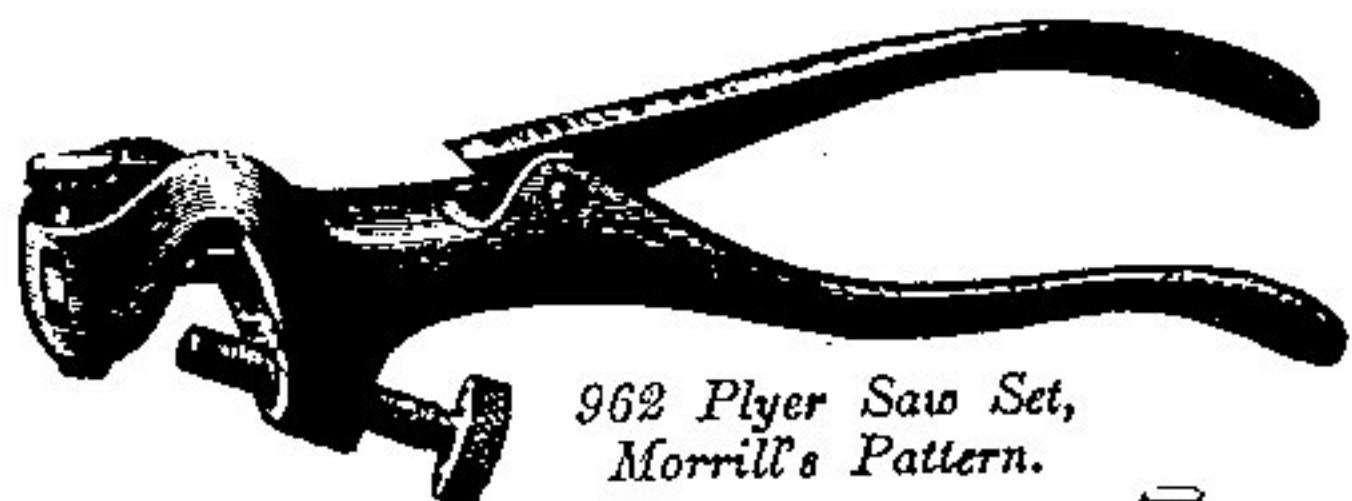
959 Pit Saw Set, Bright, Slide Guard.



960 Circular Saw Set.



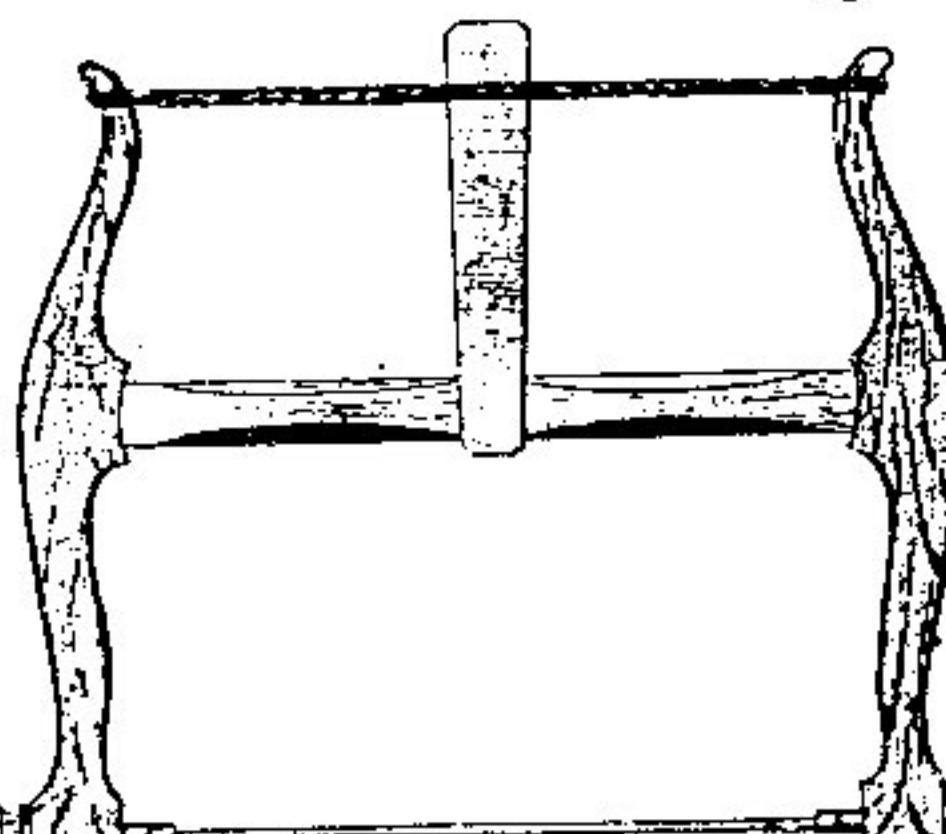
961
Pleyer Saw Set.



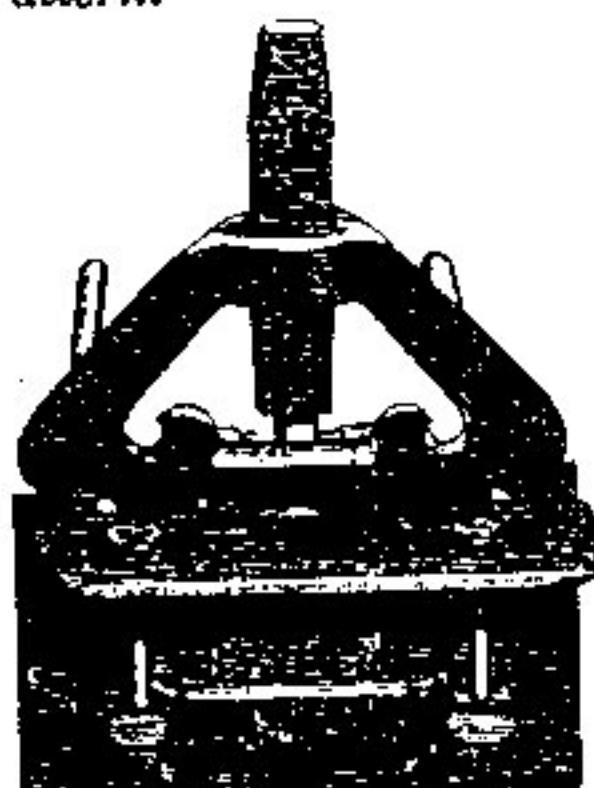
962 Pleyer Saw Set,
Morrill's Pattern.



975 Cabinet Scraper.



971 Turning or Bow Saw.



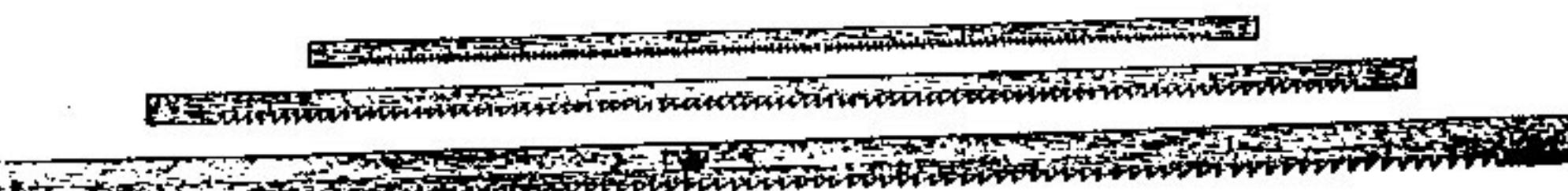
963 Patent Saw Set



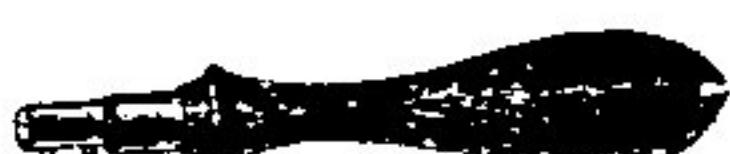
977 Cabinet Scraper Steel.



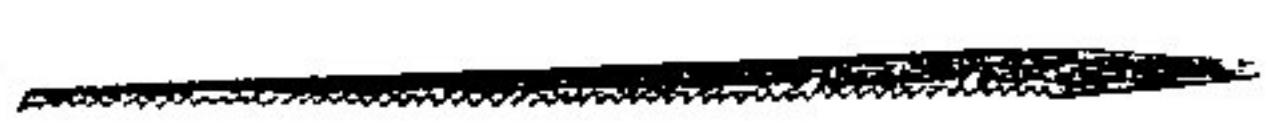
973 Bow Saw Handles.



978 Bow Saw Blades.



967 Rosewood Saw Pad.

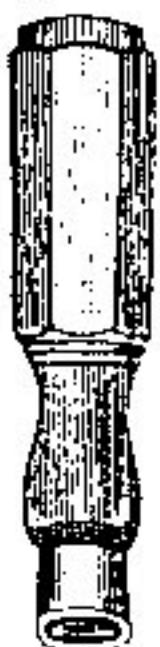


979 Pad. or Key-hole Saw Blade



966 Beech Saw Pad.

No. 4.

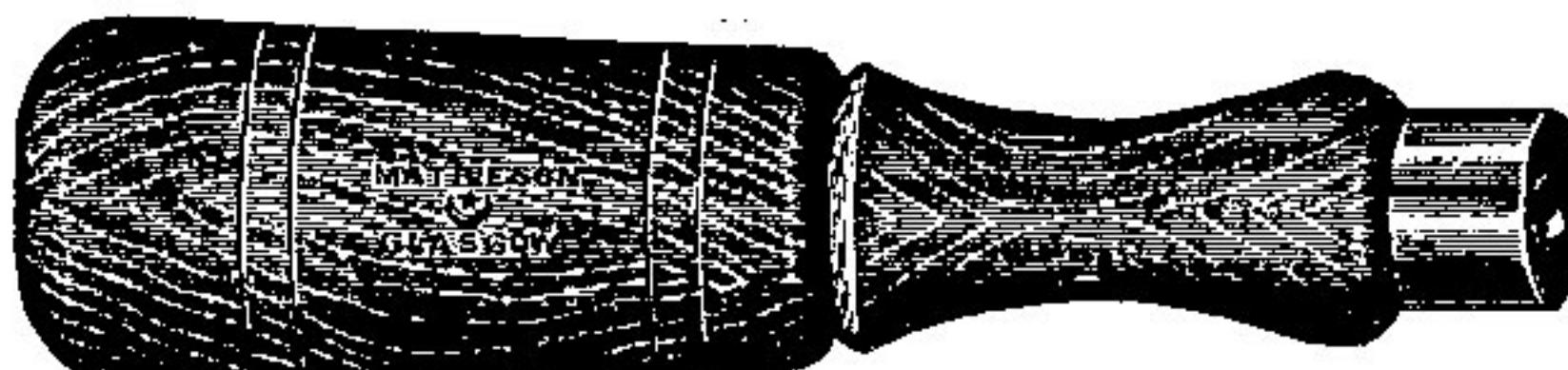


HANDLES

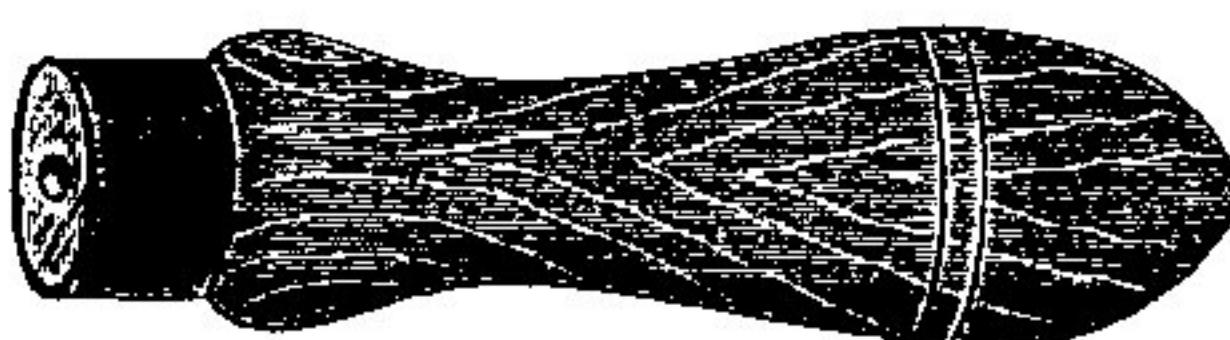
No. 7.



Chisel Handle.



Chisel Handle. No. 3.



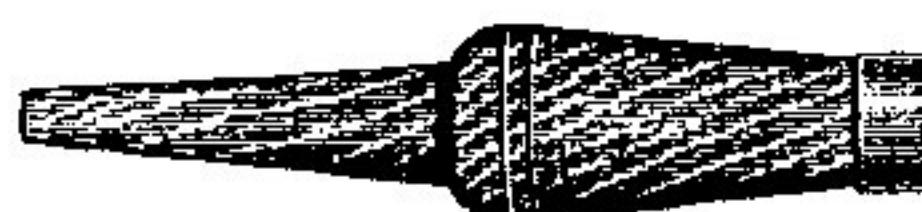
1000 File Handle.



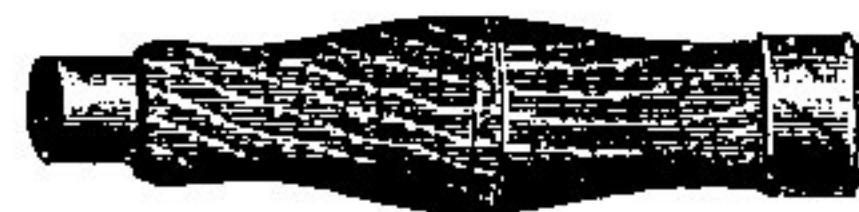
999 Brad Awl Handle.



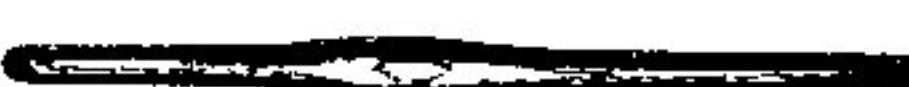
997 Ship Chisel Handle. Regd.



998 Socket Chisel Handle. Hooped.



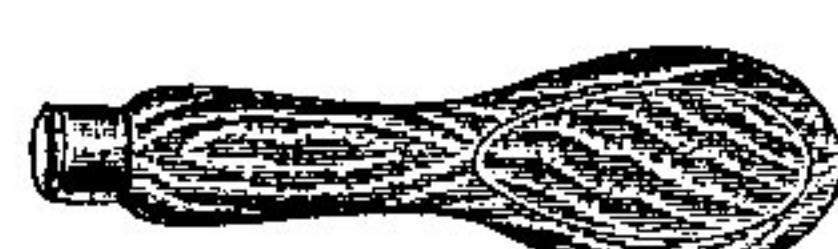
996 Ship Chisel Handle.



1014 Auger Handle.



1013 Auger Pad.



1002 Turn-screw Handle.



1016 Soldering Bolt Handle,



1017 Soldering Bolt Handle,



1011 Carving Tool Handle.



1015 Shoe Awl Handle.



1009 Saw Tiller Handle



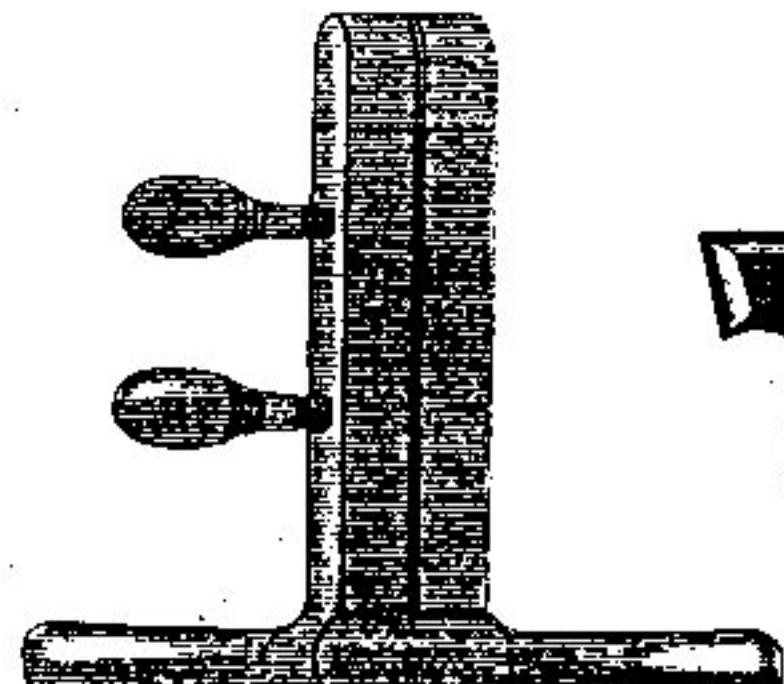
1008 Cross Cut Saw Handle



1012 Marking Awl Handle.



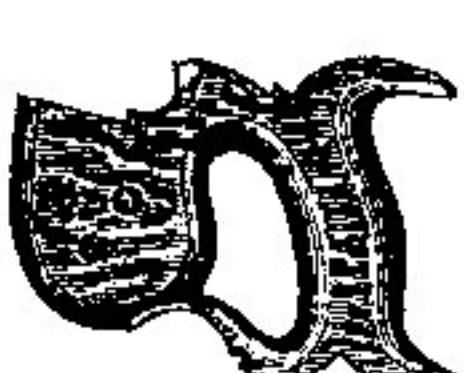
1018 Chalk Line Reel



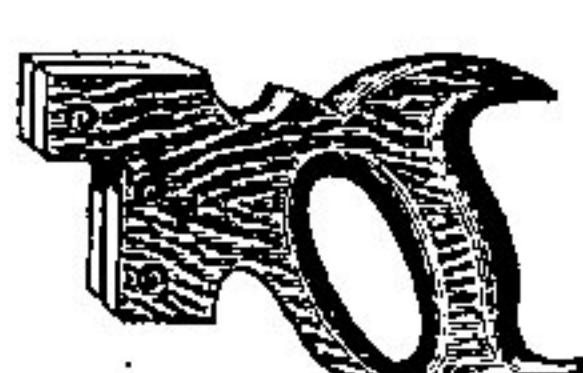
1010 Wood Pit Saw Box



1003



1005



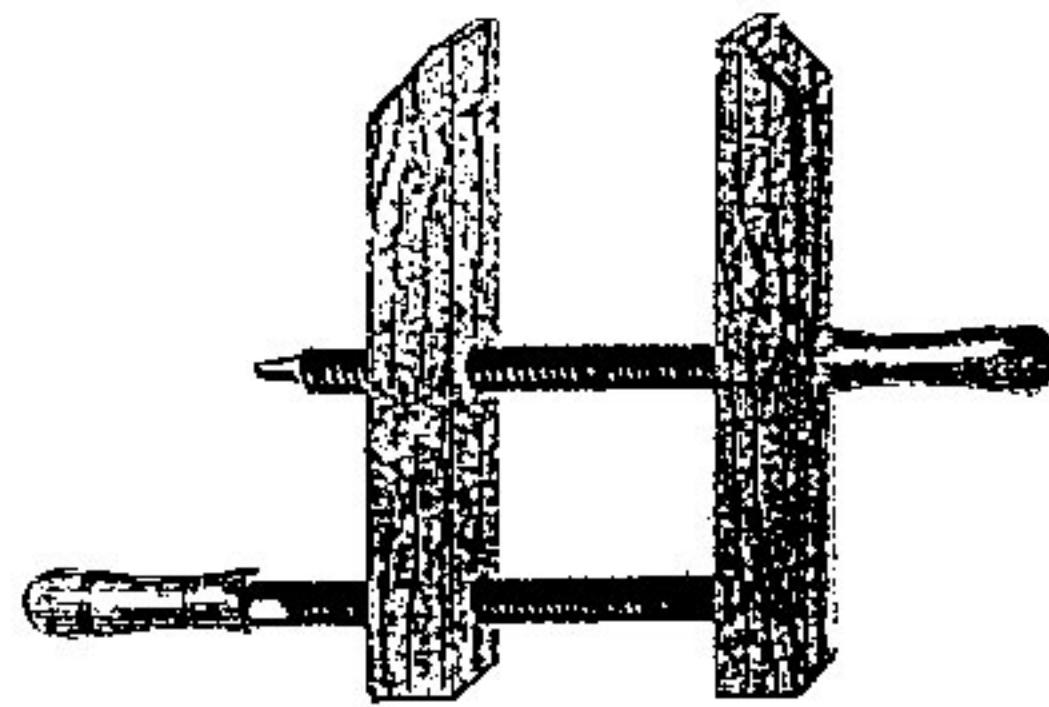
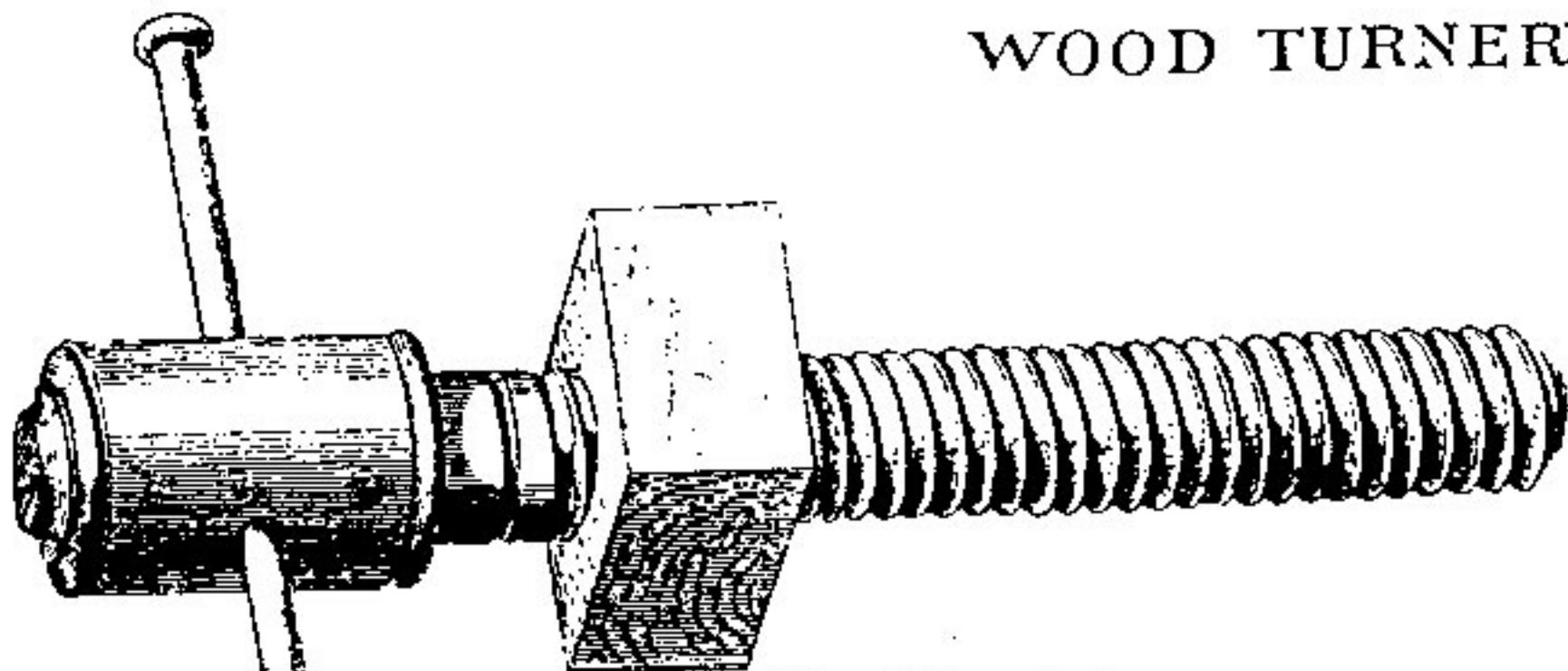
1007

1006
Compass

Hand Saw Handle. Back Saw Handle. Butchers' Saw Handle.

Saw Handle.

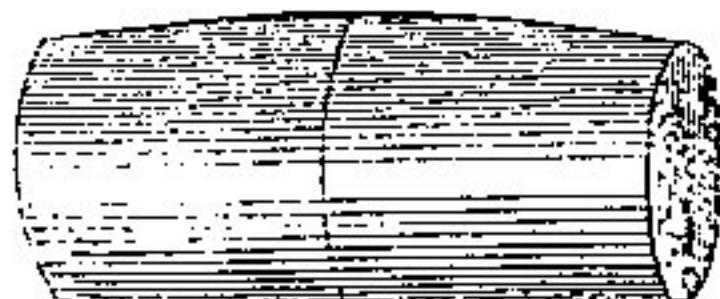
WOOD TURNERY



1020 Wood Bench Screw.



1036 Moulders' Mallet.

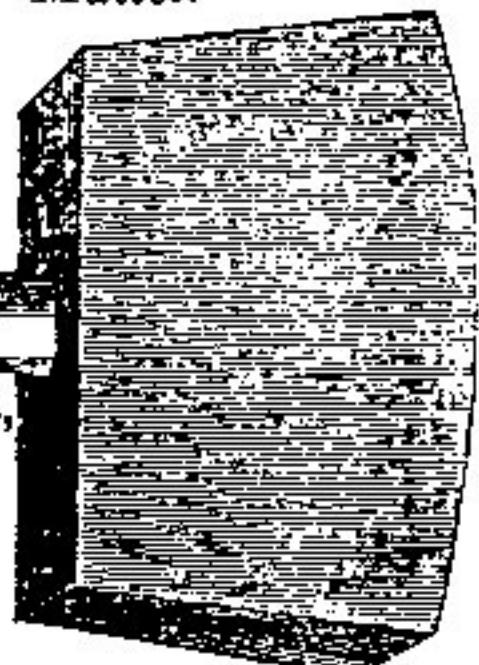


1022 Pair Hand Screws.

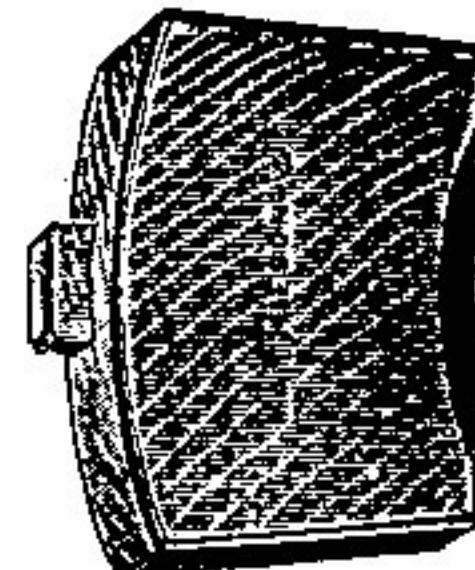


1040 Gent.'s Square Mallet,

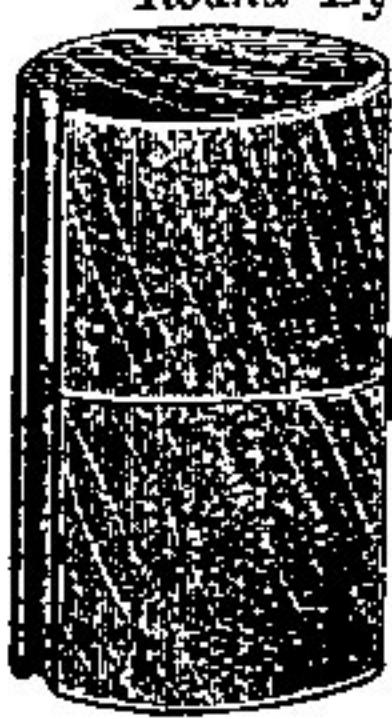
1025 Joiners' Square Mallet,
Round Eye.



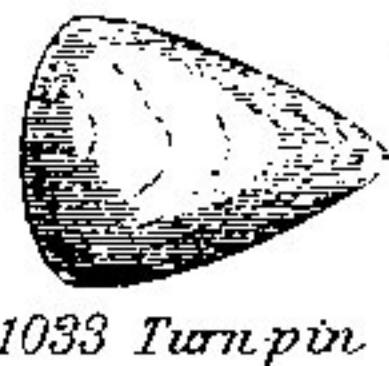
1027 Joiners' Round Mallet.



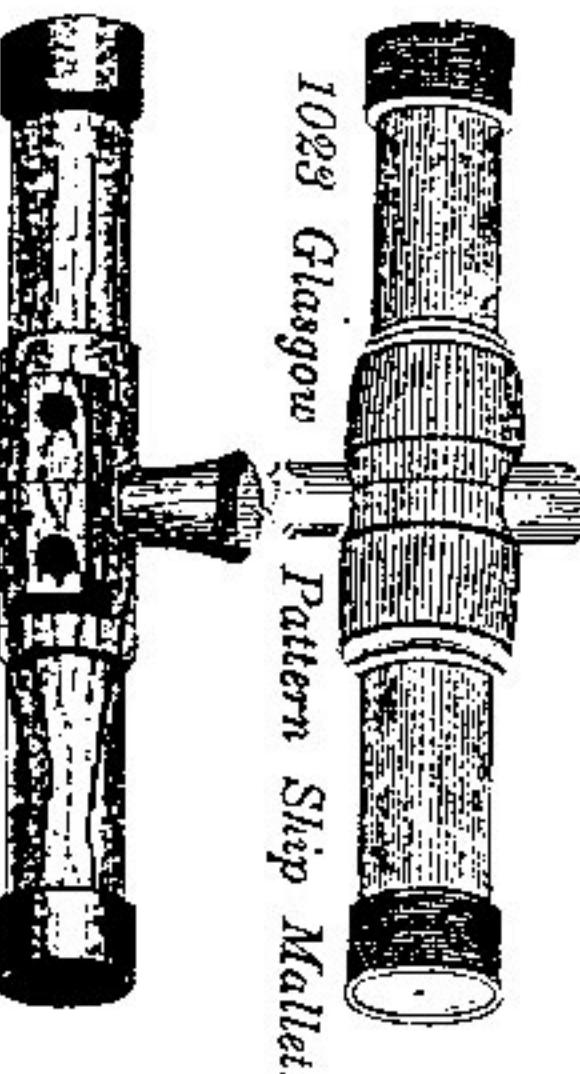
1026 Joiners' Square Mallet,
Square Eye.



1038 Sailmakers' Serving Mallet.



1033 Turn pin.



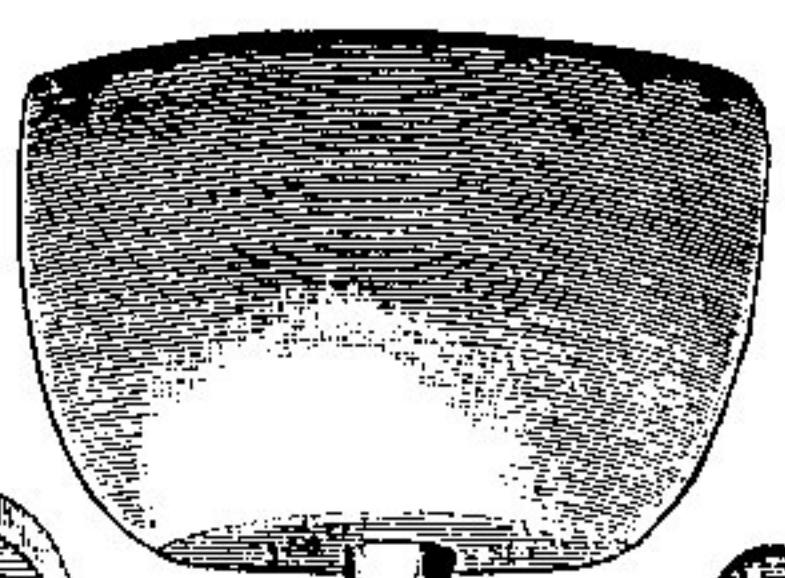
1029 Glasgow Pattern Ship Mallet.



1035 Tinman's Mallet



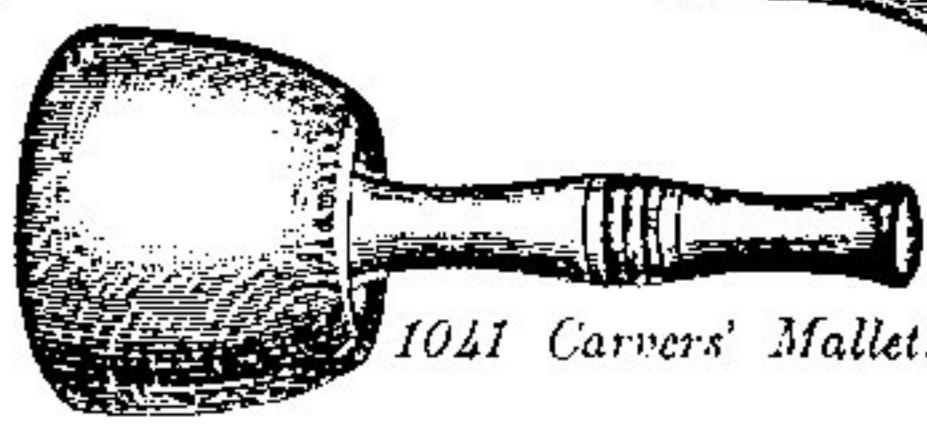
1030 Plumbers' Maul



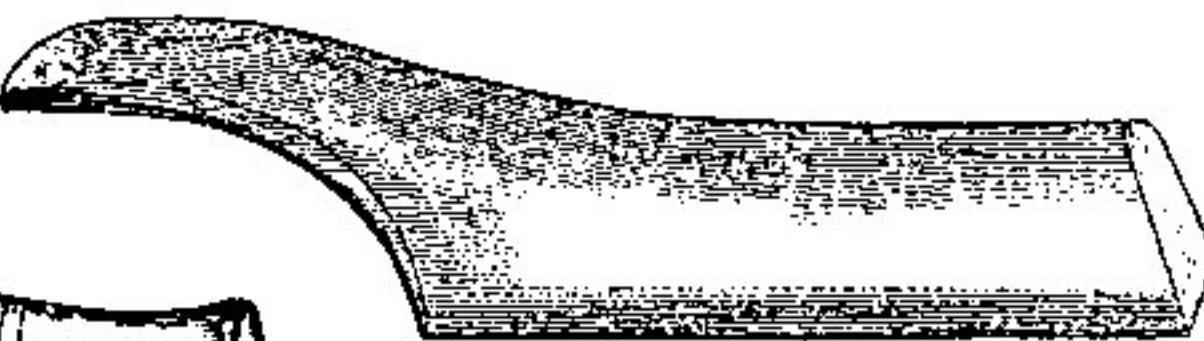
1037 Masons'
Mallet.



1032 Plumber's Chase



1041 Carvers' Mallet.



1031 Plumber's Dresser

GIMBLETS & BRAD AWLS

Spike Gimblet.
No. 31 Shell.



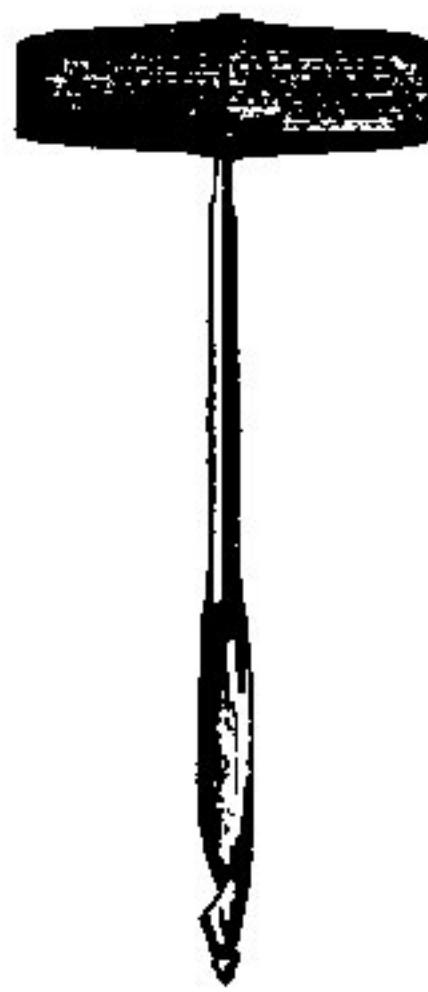
Brewer's Gimblet.
No. 36 Twist.



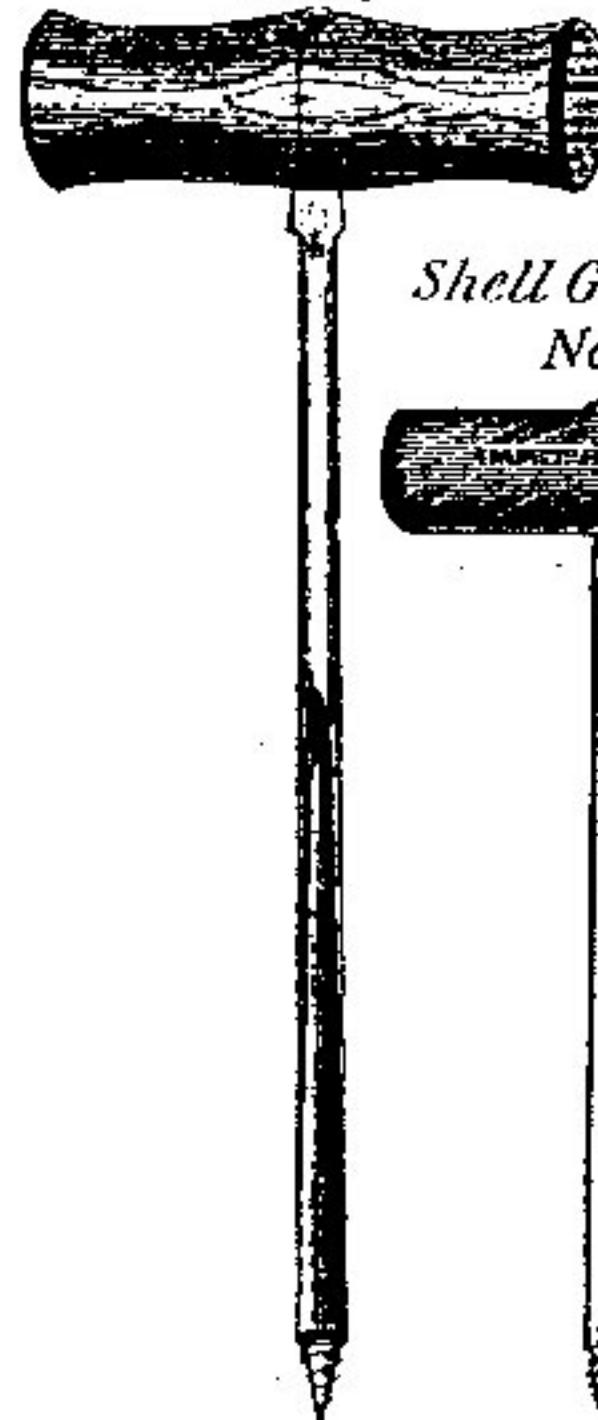
Auger Gimblet.
No. 30



Wilk Gimblet.
No. 18



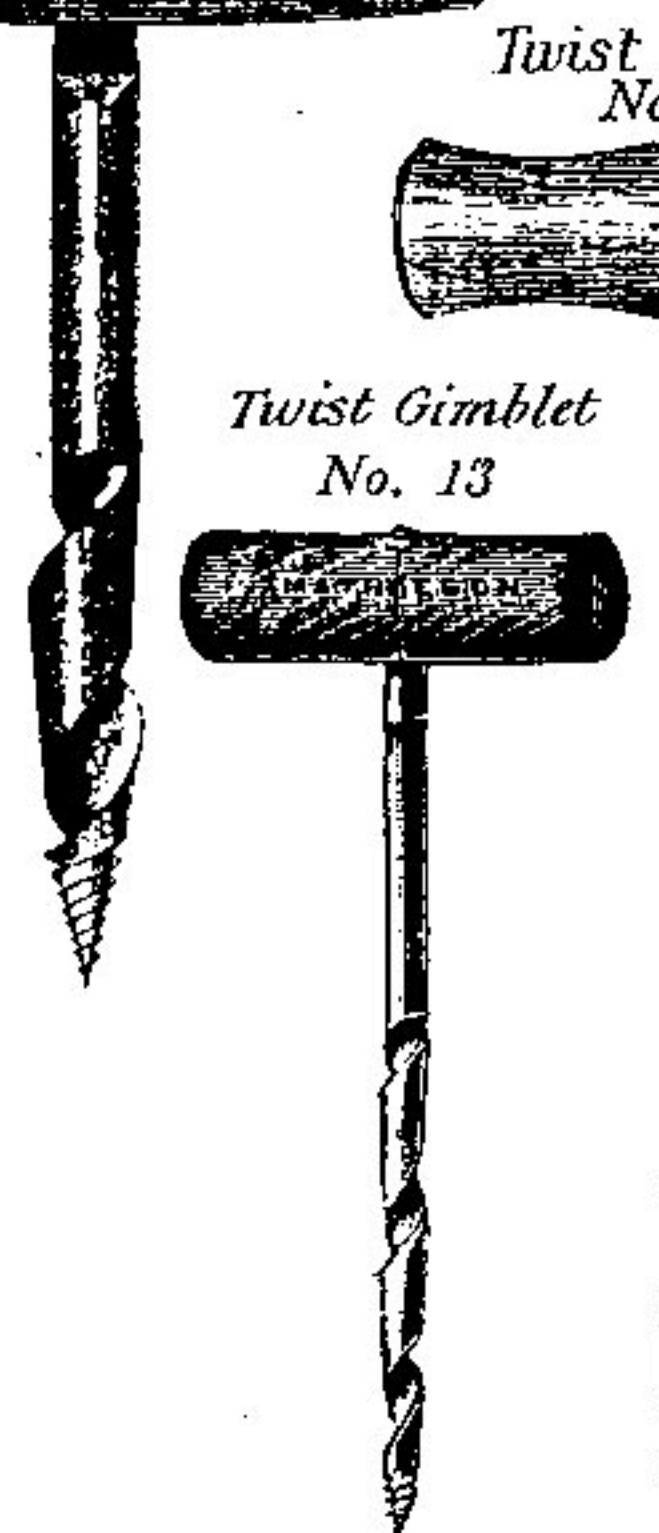
Shell Gimblet.
No. 4



Shell Gimblet
No. 3



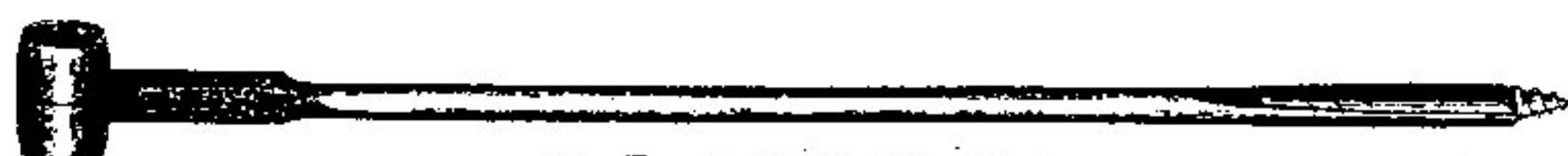
Twist Gimblet.
No. 15



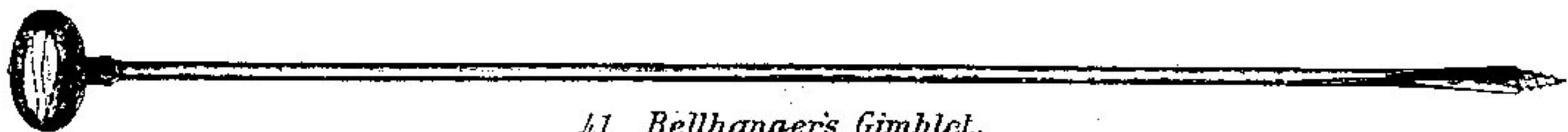
Twist Gimblet
No. 13



Wilk Gimblet.
No. 19.



37 *Eyed Ship Gimblet.*



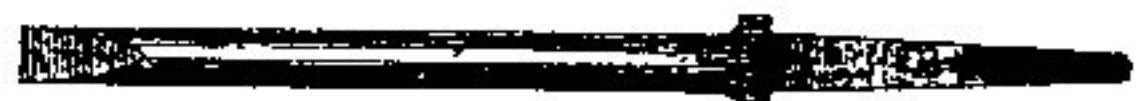
41 *Bellhanger's Gimblet.*



90 *Tack Lifter.*



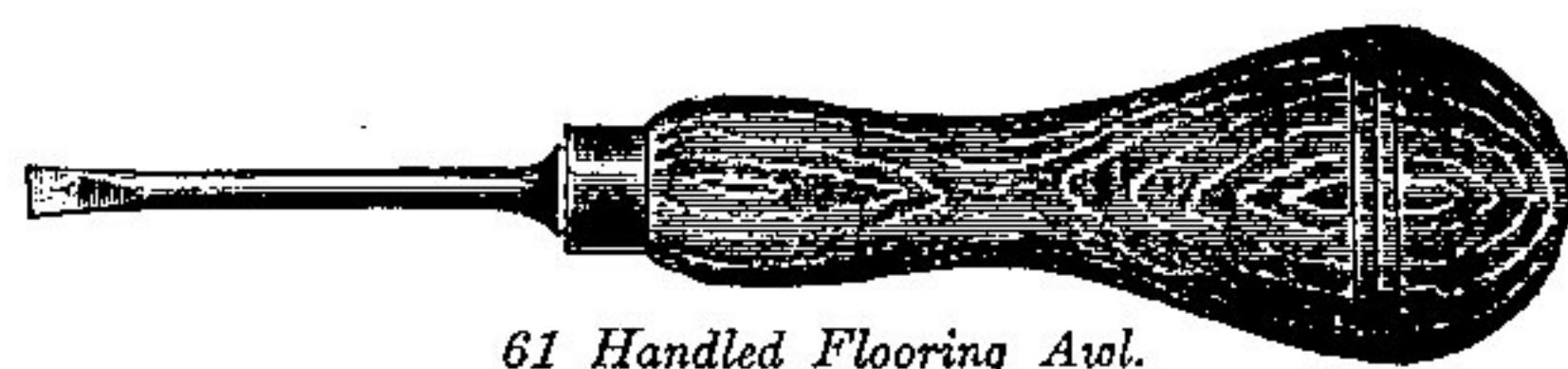
56 *Brad Awl Blade.*



62 *Flooring Awl Blade.*



55 *Handled Brad Awl.*

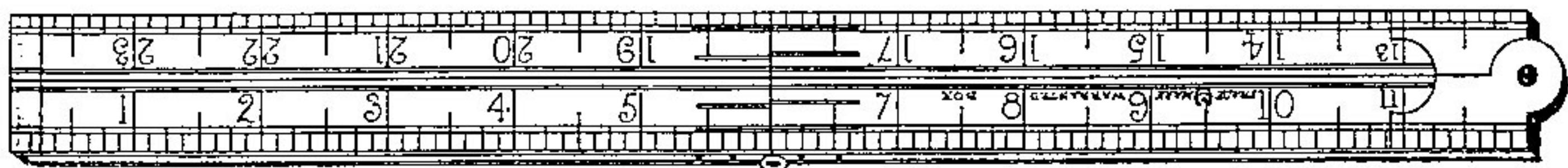


61 *Handled Flooring Awl.*

BOXWOOD RULES.



No. 9



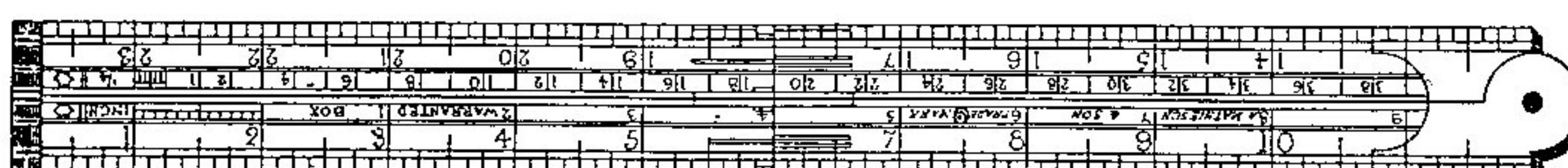
No. 10



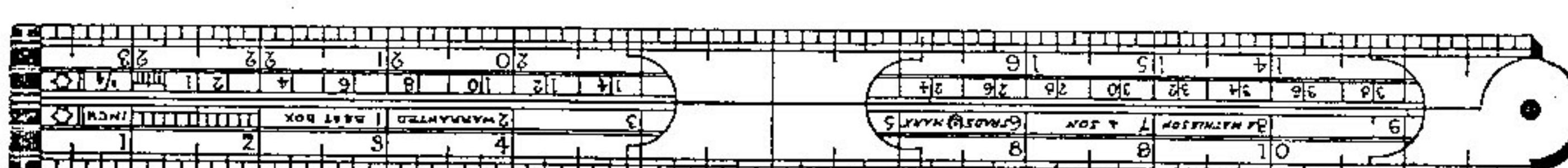
No. 12



No. 22



No. 32

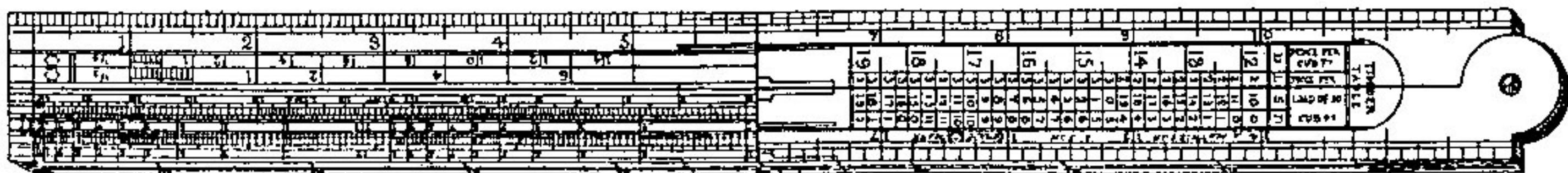


No. 42

BOXWOOD RULES, Two and Three Feet, Four-Fold.

No.		BREADTH	No.	2 FEET.	3 FEET.
		in. bare	8	5/	— per doz.
8—	Round Joint, Brass Tips, marked inches in 8 and 16ths,	... ...	8	5/	—
9—	" "	1 $\frac{1}{8}$	9	6/	—
10—	Arch Joint,	1 $\frac{1}{8}$	10	9/	10/6
11—	" "	1 $\frac{1}{8}$	11	10/	12/
12—	" "	1 $\frac{1}{8}$	12	10/6	12/6
13—	" "	1 $\frac{1}{8}$ bare	13	11/6	14/
14—	" "	1 $\frac{1}{8}$ full	14	13/	16/
20—	Iron Tips,	1 $\frac{1}{8}$	20	10/	12/
21—	" "	1 $\frac{1}{8}$	21	11/	13/
22—	" "	1 $\frac{1}{8}$	22	13/	16/
23—	" "	1 $\frac{1}{8}$ bare	23	15/	18/
24—	" "	1 $\frac{1}{8}$ full	24	17/	20/
31—	Arch Joint & Edge Plates,	1 $\frac{1}{8}$	31	17/	20/
32—	" "	1 $\frac{1}{8}$	32	19/	22/
33—	" "	1 $\frac{1}{8}$ bare	33	21/	24/
34—	" "	1 $\frac{1}{8}$ full	34	22/	25/
40—	Double Arch Joint,	1 $\frac{1}{8}$	40	19/	22/
41—	" "	1 $\frac{1}{8}$	41	19/	22/
42—	" "	1 $\frac{1}{8}$	42	20/	23/
43—	" "	1 $\frac{1}{8}$ bare	43	21/	24/
44—	" "	1 $\frac{1}{8}$ full	44	23/	26/

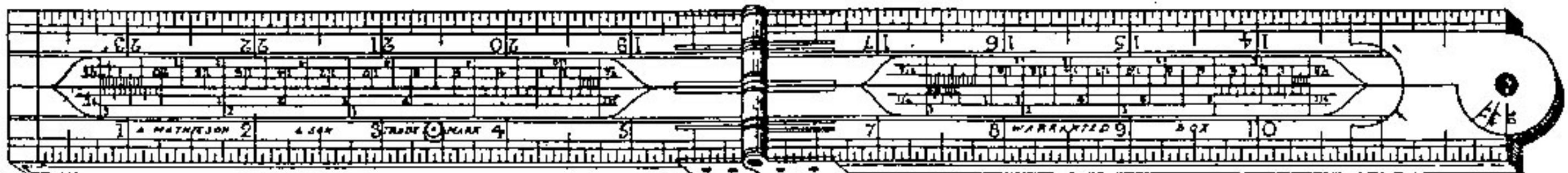
BOXWOOD RULES.



No. 52



No. 62



No. 72



No. 82



No. 85



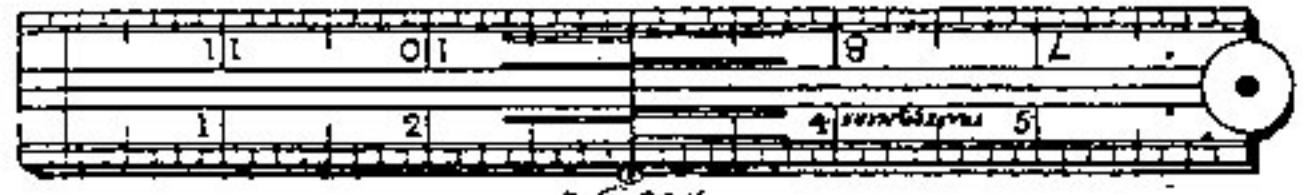
No. 85 1/2



No. 85 1/2



No. 83



No. 83 1/2

2 and 3 Feet, Four Fold BOXWOOD RULES.

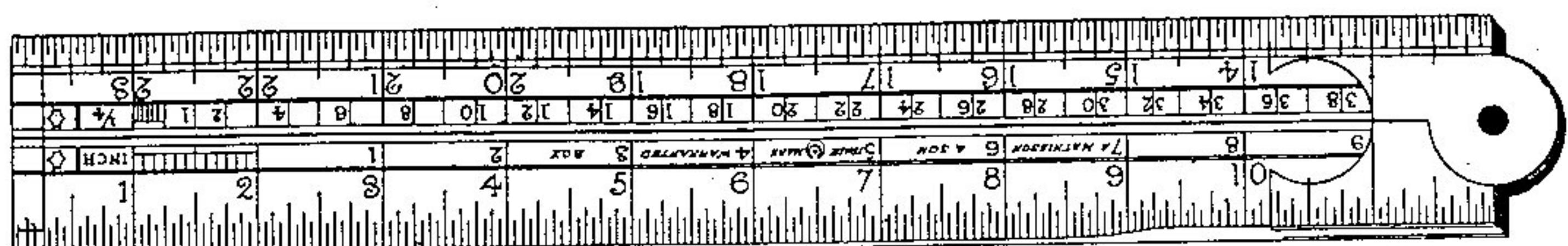
No.		BREADTH.	No.	2 FEET.	3 FEET.
52	{ Arch Joint and Edge Plates, Brass Tips, marked inches in 8, 10, 12, and 16ths, Two Scales, Brass Pin Holes, Brass Slide, with Gunter's Line and Timber Tables, ... }	1 $\frac{1}{8}$ in.	52	33/	44/ per doz.
62	Arch Joint, Brass Tips, Brass Outside Edges, marked inches in 8, 10, 12, and 16ths, ...	1 $\frac{1}{8}$ " bare	62	19/	30/ "
72	{ Arch Joint and Edge Plates, Brass Tips, marked inches in 8, 10, 12, and 16ths, } Bevelled Edges, with 8 Scales for Architects, Angles on Joint,	1 $\frac{1}{8}$ "	72	27/	36/ "
82	{ Arch Joint, G.S. Mounts, marked inches in 8, 10, 12, and 16ths, Bevelled Edges, with 16 Scales for Architects, Angles on Joint, }	1 $\frac{1}{8}$ "	82	48/	60/ "

For 2 and 3 Feet, Four Fold Rules, with Calliper, Circumference Scale, and Mechanics' Scale, see page 29.

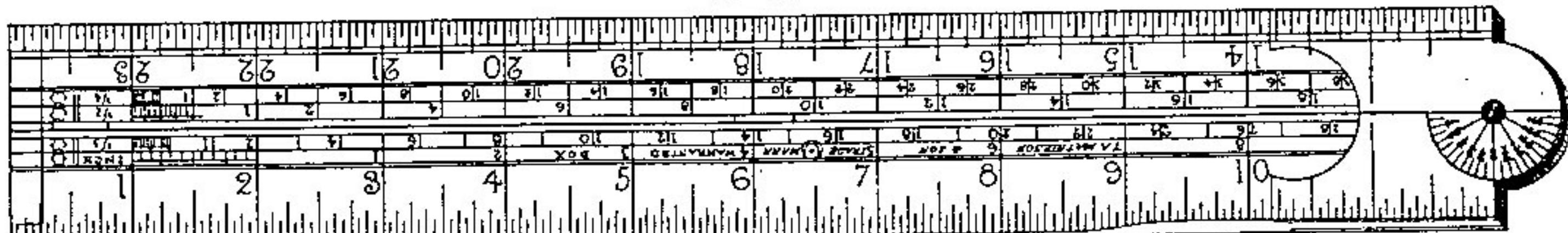
6 Inches, 1 Foot, and 4 Feet FOLDING BOXWOOD RULES.

No.		BREADTH.	No.	PRICE.
83 1/2	1 Foot, 4 Fold, Round Joint, Brass Tips, marked inches in 8ths,	2 in. bare	83 1/2	4/6 per doz.
83 1/2	1 " 4 " Square " " " 8 and 16ths,	6 "	83 1/2	6/6 "
83	1 " 4 " Arch " " " 8 and 16ths,	1 1/2 "	83	8/9 "
84	4 Feet, 4 " Arch " " Iron Tips, " " " 8 and 16ths, 4 scales,	1 1/2 " full	84	31/ "
85 1/2	6 Inch, 2 " Square " " Brass Tips, " " " 8 and 16ths, with Calliper,	1 1/8 "	85 1/2	16/ "
85 1/2	1 Foot, 4 " Arch " " " 8, 10, 12, and 16ths, with Calliper,	1 1/8 "	85 1/2	26/ "
85	1 " 3 " Ironmongers' Rule, Tables for Iron, &c., with Calliper,	1 1/8 "	85	36/ v

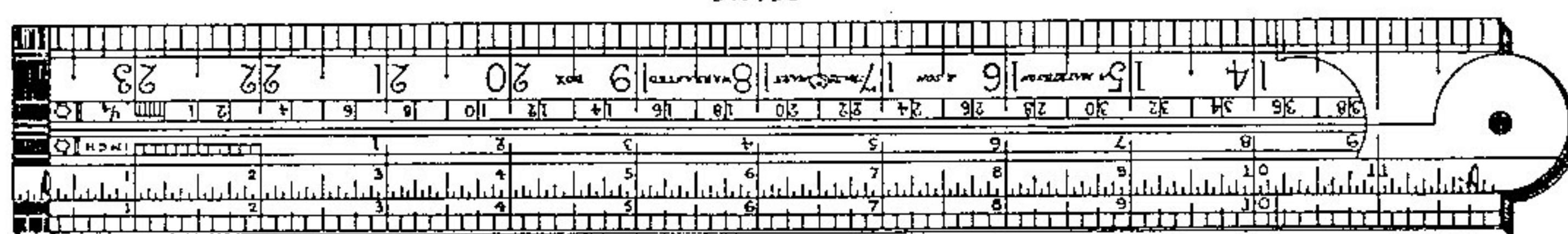
BOXWOOD RULES.



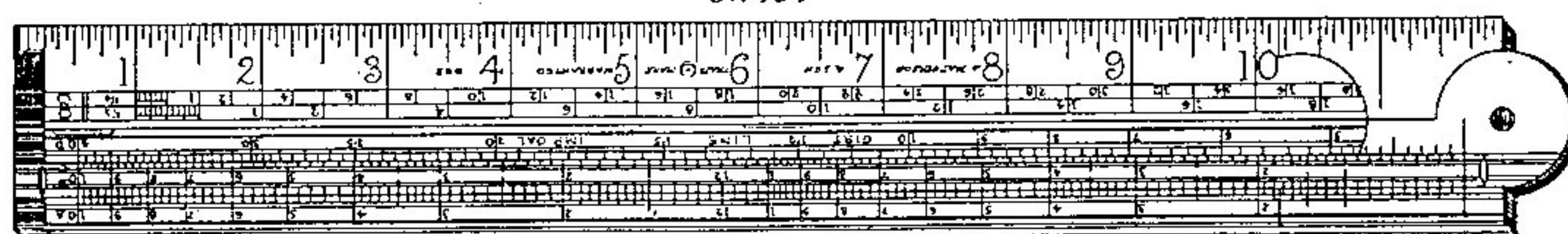
No. 101



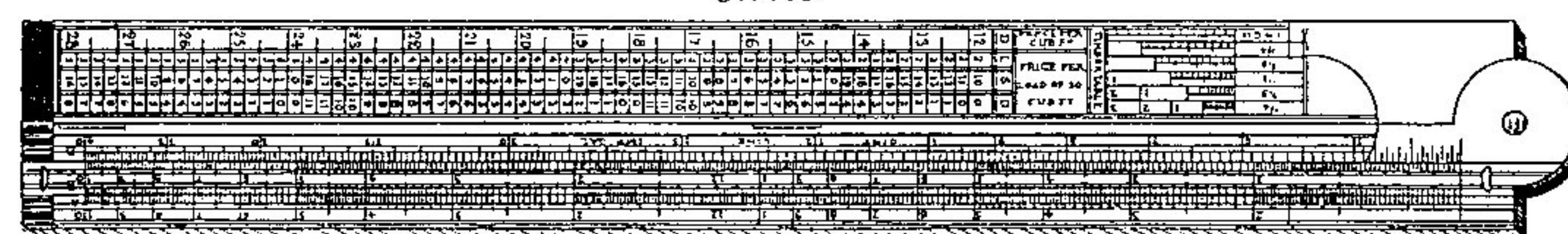
No. 105



No. 107



No. 108



No. 109

2 Feet, Two Fold, BOXWOOD RULES.

No.	JOINT.	TIPS.	EDGES.	MARKING.	BREADTH.	No.	PRICE.
100	Arch	Brass	1 Bevelled	8 Square Line, inches in 8, 10, 12, and 16ths,	1½ in.	100	7/9 per doz.
101	"	"	"	8 " " " 8 and 16ths, and Two Scales,	1½ "	101	8/6 "
103	"	"	"	8 " " " 8 and 16ths, " " Brass Pin Holes and Angles on Joint, 1½ "	1½ "	103	10/6 "
104	"	"	"	8 " " " 8 and 16ths, and Four " " " " 1½ "	1½ "	104	12/ "
105	"	"	2 Bevelled	8 " " " 8 and 16ths, " " " " 1½ "	1½ "	105	14/ "
106	"	"	1 Bevelled	Brass Slide, 8 Square Line, inches in 8, 10, 12, and 16ths,	1½ "	106	11/6 "
107	"	Iron	"	" " " 8 & 16ths, and Two Scales,	1½ "	107	16/6 "
108	"	"	"	" " " 8 & 16ths, " " Brass Pin Holes & Gunter's Line, 1½ "	1½ "	108	21/ "
109	"	"	Square	" " " 8 & 16ths, & 6 Scales, Gunter's Line, & Tables for Timber, 1½ "	1½ "	109	31/ "
110	"	Brass	"	Spirit Level, inches in 8 and 16ths, Four Scales, and Angles on Brass Joint Plate, 1½ "	1½ "	110	36/ "
111	"	Iron	"	Brass Slide, Routledge's Best Rule, inches in 8, 10, 12, & 16ths, 4 Scales, Angles on Joint, 1½ "	1½ "	111	38/ "
111B				Explanatory Books for Routledge's Rules, No. 111, —	—	111B	4/ "

2 and 3 Feet, Four Fold, BOXWOOD RULES, Special.

No.			BREADTH.	No.	2 ft.	3 ft.
92	—Arch Joint and Edge Plates, Brass Tips, marked inches in 8, 10, 12, and 16ths, with Calliper,	1½ in.	92	33/	47/	per doz.
34½	— " " Iron " " 8, and 16ths, and Circumference Scale, 1½ " full	1½ " full	34½	30/	36/	"
34½	— " " " 8 & 16ths, with Mechanics' Scale & " " 1½ " " "	1½ " " "	34½	42/	54/	"

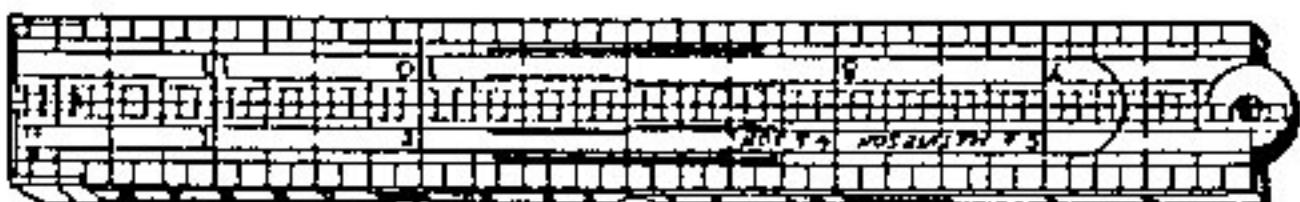
IVORY RULES, 1, 2, and 3 Feet.



N°200



N°202



N°201



N°203



N°204



N°205



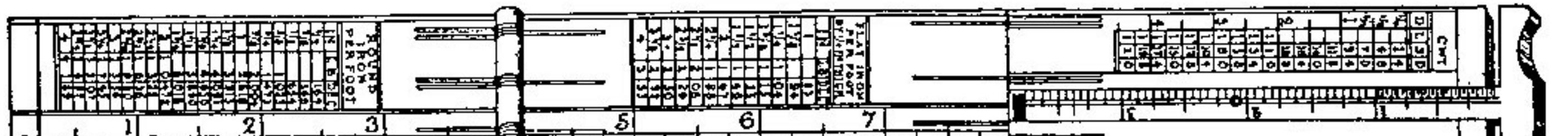
N°206



N°207



N°208

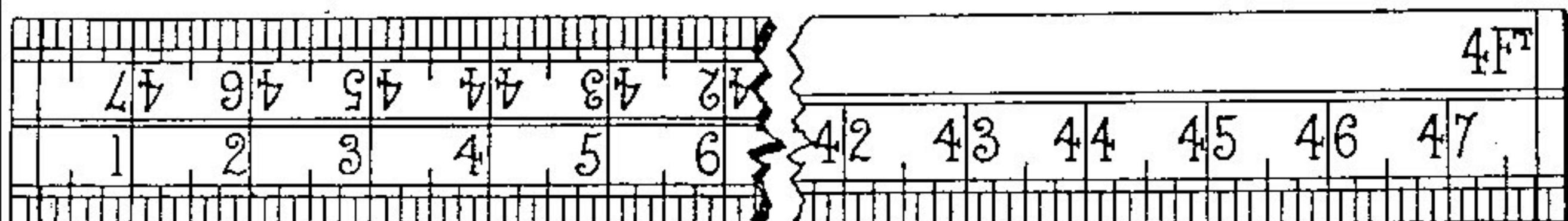


N°209

1, 2, and 3 Feet IVORY RULES, German Silver Mounting.

No.		BREADTH.	No.	PRICE.
200	-Square Joint, marked inches in 8 and 16ths,	1 in. full, 1 foot, four fold,	200	3/6 each
201	-Arch	1 in. full, 1 foot, four fold,	201	5/ "
202	" Edge Plates,	1 in. full, 1 foot, four fold,	202	7/ "
203	" with Calliper,	1 in. full, 1 foot, four fold,	203	10/6 "
204	" "	1 in. full, 2 feet, four fold,	204	10/6 "
205	" "	1 in. full, 2 feet, four fold,	205	13/ "
206	" "	1 in. full, 2 feet, four fold,	206	17/ "
207	" with Calliper,	1 in. full, 2 feet, four fold,	207	18/6 "
208	" Architects',	1 in. full, 2 feet, four fold,	208	18/ "
210	" "	3 feet, four fold,	210	17/ "
211	" "	3 feet, four fold,	211	22/ "
212	" Architects',	3 feet, four fold,	212	26/ "
209	-Ironmongers' Rule, with Calliper, Tables for Iron, &c.,	1 1/2 in. bare, 1 foot, three fold,	209	22/ "

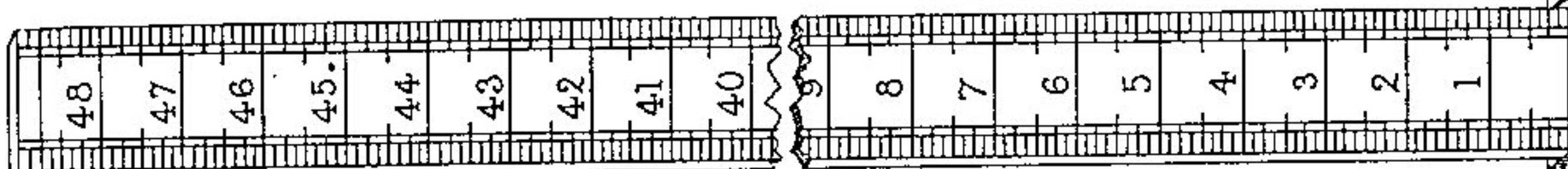
GLAZIERS' LATHS and SQUARES, TAILORS' RULES and SQUARES, and SHOE SIZE STICKS.



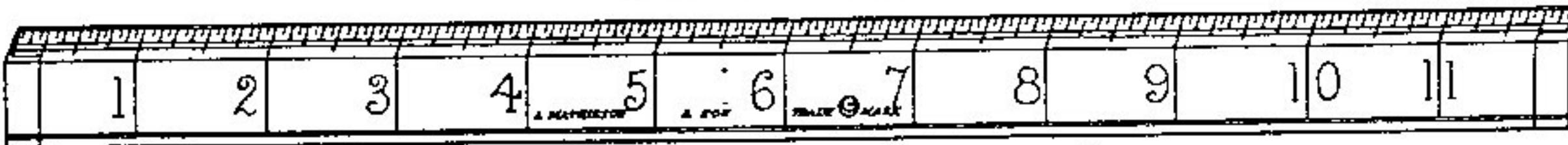
No. 303

GLAZIER'S LATH

4 FT

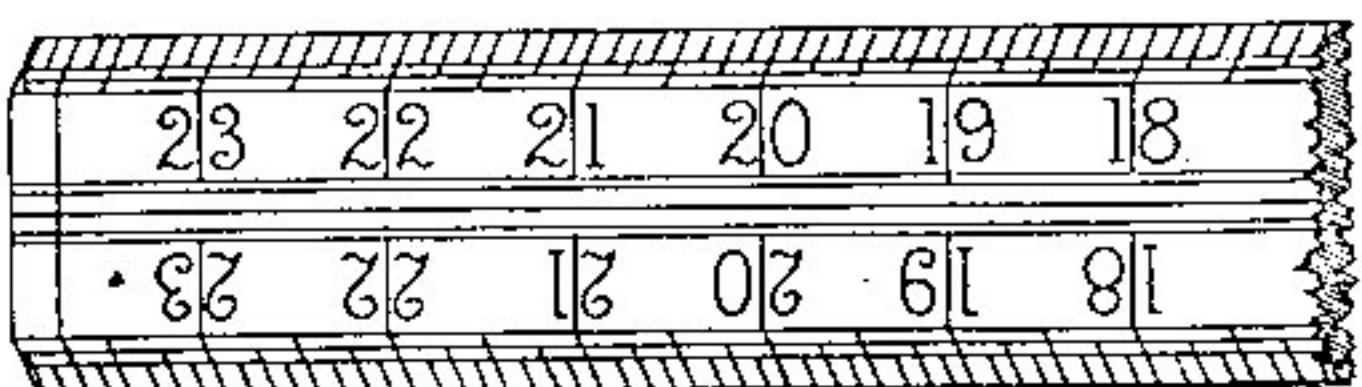


No. 304. GLAZIERS' T SQUARE.

No. 312.
SHOE SIZE STICKS

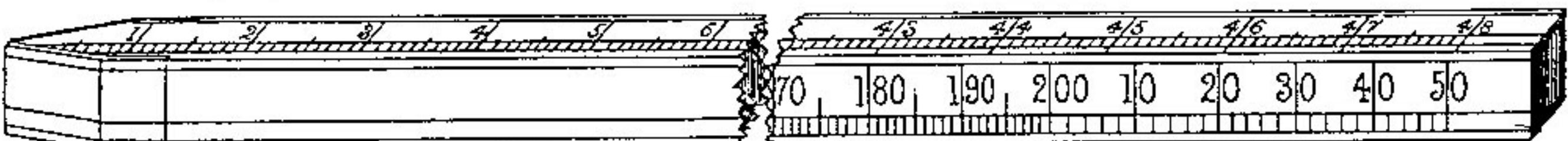
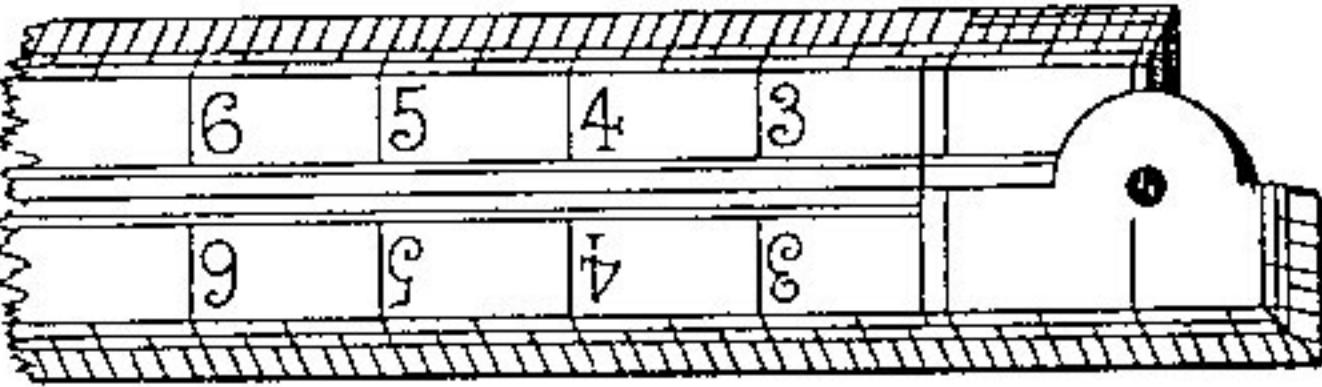
No. 301 1/2

TAILORS' BOXWOOD RULE.



No. 302

TAILORS' SQUARE.



No. 1

GAUGING OR DIPPING ROD.

GLAZIERS' LATHS and SQUARES and SHOE SIZE STICKS.

No.		24	30	36	42	48	60	72 inch
303—Laths, Brass Tipped, ...	... ... ... ...	13/	18/	22/6	26/	30/	45/	64/ per doz.
304—T Squares, Brass Tipped, ...	... ... ... ...	23/	26/	29/	35/	39/	57/	— "
312—Shoe Size Sticks, Best Boxwood, Folding, Brass Feet, ...	... ... ... ...						10/	14/ per doz.

TAILORS' BOXWOOD SQUARES and STRAIGHT EDGES.

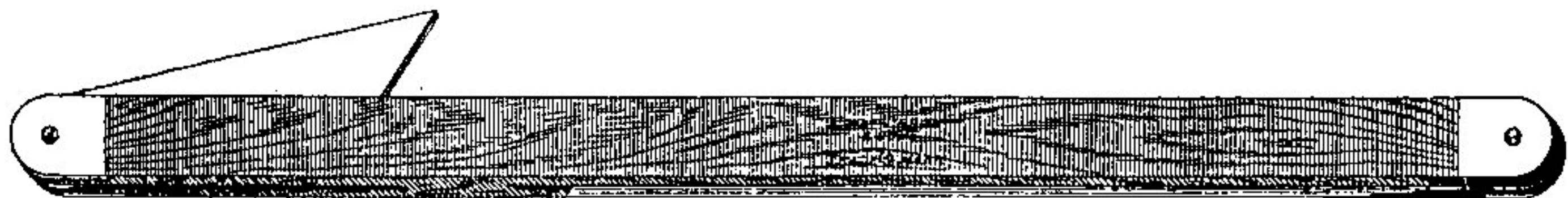
300—Diagram Squares, Folding, 6 inches, marked $\frac{1}{4}$, $\frac{1}{2}$, or $\frac{1}{8}$ Scale,	... ... ... ...	... ... ... ...	22/ per doz.
301—Straight Edges, One Bevelled Edge, Brass Tipped, marked inches in 8 and 16ths,	... ...	12 x $\frac{1}{8}$ inch	18 x $\frac{1}{8}$ inch
301 1/2—Folding Squares, Square Edges, ...	... ... ... ...	6/	8/6 per doz.
302— " " Bevelled " "	... ... ... ...	24 37/	30 inch 40/ per doz.

GAUGING or DIPPING RODS.

1—Gauging Rods—Ordinary Marking,	... ... ... ...	4	5 feet
2— " " —Extra Scales,	... ... ... ...	3/3	4/3 each
5— " " —Folding,	... ... ... ...	4/6	5/6 "

4 feet, four fold, 7/ each; 5 feet, six fold, 9/ "

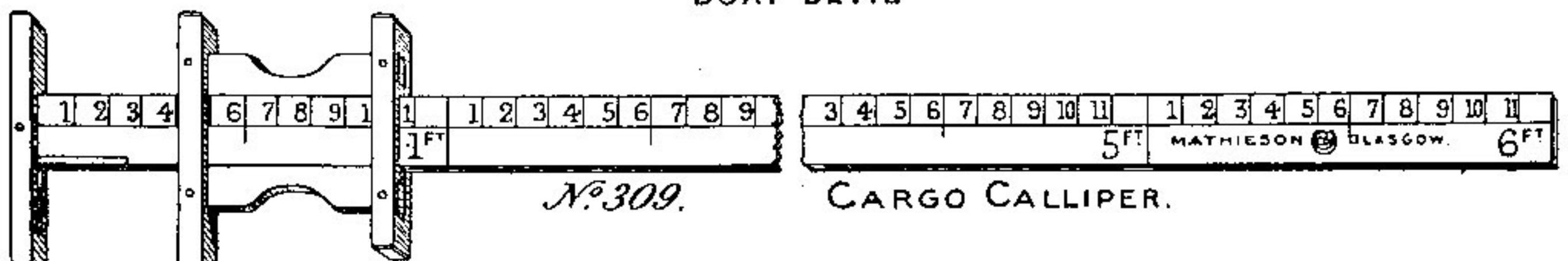
BOAT BEVILS, CARGO and TIMBER CALLIPERS, and ROPE GAUGES.



No. 191
BOAT BEVIL



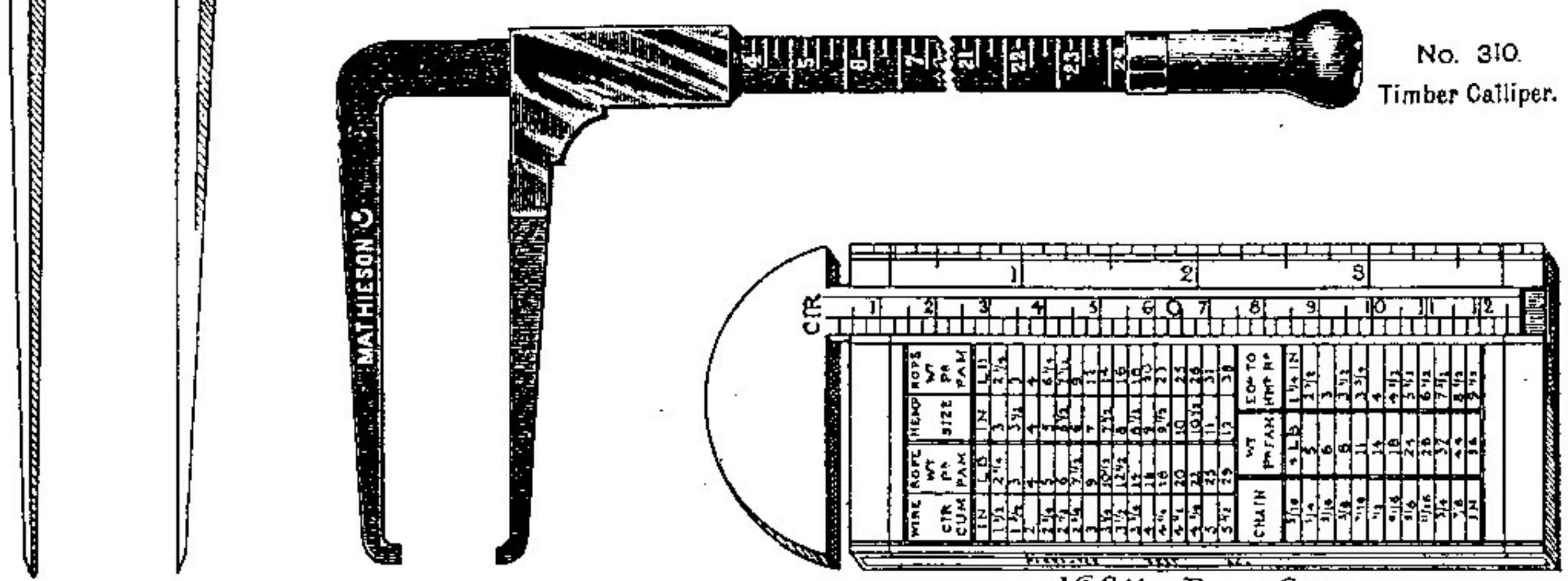
No. 192
BOAT BEVIL



No. 309.

CARGO CALLIPER.

No. 310.
Timber Calliper.



No. 311 Rope Gauge.

BOAT BUILDERS' BEVILS.

No.													No.													
191—Rosewood, 12 inches, Two Brass Tongues,	191	10/6 per doz.												
192— " 12 " " Extra Strong, Brass Plated,	192	15/ "												
193—Boxwood, 12 " " marked inches in Sths,	193	15/ "												

CARGO and TIMBER CALLIPERS and ROPE GAUGES.

309½—Cargo Callipers, 6 feet, Ordinary, English Measure,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13/ each	
309½— " 6 " Medium,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15/ "	
309— " 6 " Best,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17/ "	
EXTRA.—If marked both English inches and French metre, 1/6 each.																									
310—Timber Callipers, Iron,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24	30 inch
310B— " " Brass,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	28/6	30/6 each
311—Rope and Chain Ganges, Best Boxwood,	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	6 inch
																								22/6	30/ per doz.