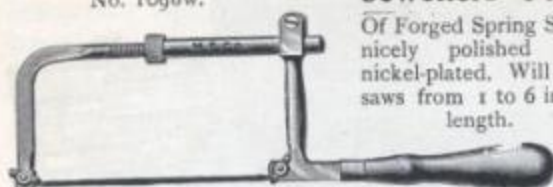


No. 1096w.



### Jewellers' Piercing Saw Frames.

Of Forged Spring Steel, nicely polished and nickel-plated. Will hold saws from 1 to 6 in. in length.

Price 3/- each.

### Best Quality Fretsaw Frames.

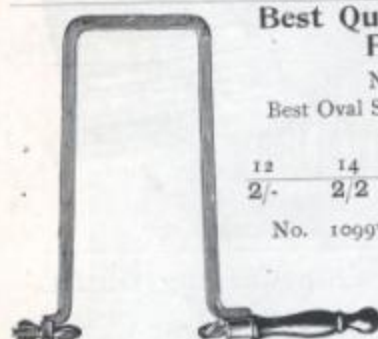
No. 1098w.

Best Oval Steel with Tightening Screws.

12	14	16	18 in.
2/-	2/2	2/4	2/6 each.

No. 1099w. Cheaper Quality Frames.

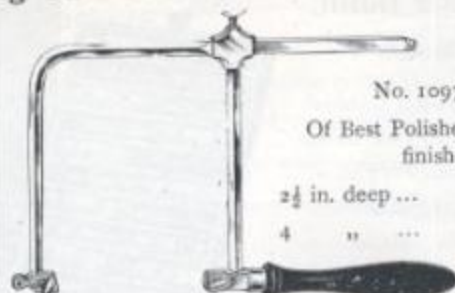
12 in.	...	1/- ea.
14 "	...	1/2 "



No. 1097w.

Of Best Polished Steel, well finished.

2 1/2 in. deep	...	1/6 each.
4 "	...	2/9 "



### Best Quality Fretsaw Frames.

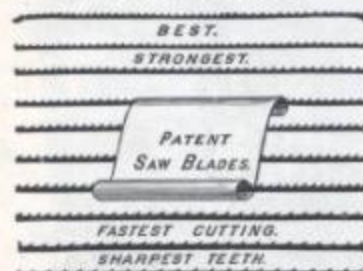
No. 1100w.

Best Bright Flat Steel with Tightening Screws.

12	14	16 in.
1/10	2/-	2/2 each.



### Fretsaw Blades.



### No. 1101w. Melhuish's Special Quality for Wood.

No.	00 to 6	7	8	9	
By the gross	...	1/6	2/-	2/-	2/6 per gross.
" doz.	...	-2	-2 1/2	-2 1/2	-3 " doz.

### No. 1102w. The Celebrated Star Fretsaw Blades.

No.	0 to 6	...	Price	-3 1/2 per doz.	...	2/9 per gross.
" 8	...	...	" -4 1/2	"	...	3/9 "
" 10	...	...	" -5	"	...	4/6 "

### No. 1103w. Melhuish's Special Quality for Metal.

No.	0 to 6	7	8	
By the gross	...	2/10	3/3	3/6 per gross.
" doz.	...	-4	-5	-6 " doz.



### Fretwork Outfits.

Good workable Tools with 12 in. Buhl Frames.

No. 1104w.

With 8 Articles, 1/6 each.

No. 1105w.

With 11 Articles, as illustrated, 2/- each.

No. 1106w.

With 12 Articles, including better fitted Drill Brace and a pair of Pliers, 2/6 each.

No. 1107w.

With 14 Articles, 3/3 each.



### Fretwork Outfits.

No. 1108w.

With 13 Articles, including superior Drill Brace, Gimlet and Nickel-plated Frame, 4/- each.

The foregoing are fastened to Cards by patent Metal Clips so that the Tools can be taken off and fixed on again.

No. 1109w.

In Box with 13 Articles, as illustrated, fitted with superior Nickel-plated Frame, 5/6 each.

No. 1110w.	Fretwork Rasps and Files, made in 6 shapes...	...	1/3 per doz. Rasps or Files, length 6 in.
No. 1111w.	Cards with 6 on a Card, Assorted Shapes...	...	7/8 per card.

Contractors to the Home, Indian, and Colonial Governments.

**Fret-cutting Table and Vice Combined**  
No. 1112W.

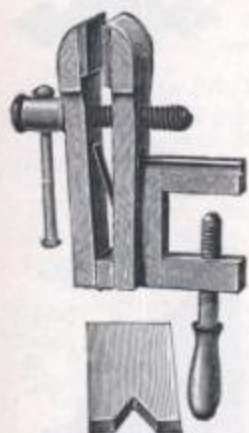
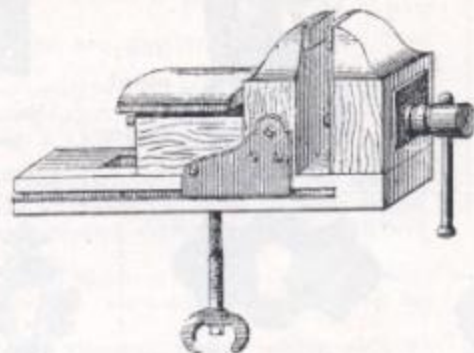


Table 8½ in. × 3 in.  
Vice 9 in. high.  
Price ... 2/6 each.

**Hardwood Vices.**

Specially made for Sculptors and Gunsmiths. Largely in use at Bisley and other Camps.



Length 14 in. Width of Jaw 2½ in. Opening 8 in. Price ... 18/6

No. 1113W. With Brass plates on side ...

*First-class workmanship throughout.*

**Fret-cutting Boards.**

No. 1114W.



Wood Cramp and Table with metal strengthening piece.

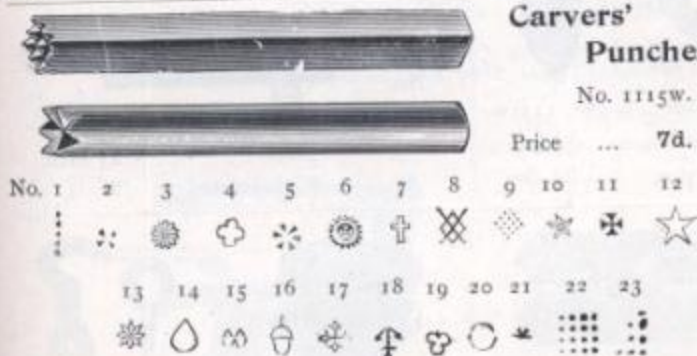
Price ... 1/3 each.

Cheaper patterns, -/3 and -/6 each.

**Carvers' Punches.**

No. 1115W.

Price ... 7d. each.

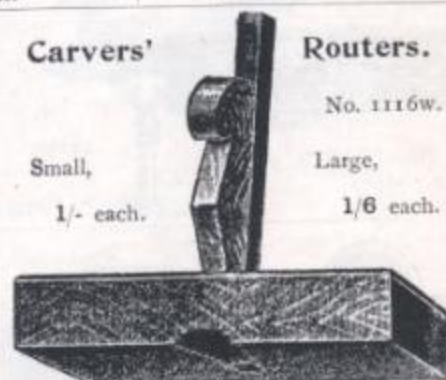


**Carvers' Routers.**

No. 1116W.

Small, 1/- each.

Large, 1/6 each.



**Specially Prepared Woods for Fretwork.**

No. 1117W.

Planed by hand and machinery, and full measurement given. Each board from 3 ft. to 4 ft. 6 in. long. All woods are carefully selected and seasoned.

Thickness of Wood.	1/2	3/4	1 in.	Thickness of Wood.	1/2	3/4	1 in.
Mahogany ... per ft.	-/3½	-/4	-/5	Rosewood ... per ft.	1/-	1/2	1/6
Black Walnut ... "	-/5	-/6	-/7	Cedar ... "	-/4	-/5	-/6
Oak ... "	-/5	-/6	-/7	Basswood ... "	-/3	-/3	-/5
Ebonised Blackwood ..	1/-	1/3	1/6	White Holly... "	-/9	-/10	1/-

We make up very choice and useful assortments of Fretwood in parcels of 10/-, 20/-, and 30/- in value, well assorted.

**Prepared Woods for Cabinet Making and General Purposes.** No. 1118W.

A large selection of well-seasoned woods always in stock. Prices given are subject to market fluctuations, and do not include carriage. Special quotations for quantities on receipt of specification. Prices per square foot, planed on both sides. If not planed, 2d. per foot less.




















Thickness when Planed ...	1/2	3/4	1 in.	Thickness when Planed ...	1/2	3/4	1 in.
Basswood ...	-/6	-/7	-/8	Pine ...	-/5	-/6	-/7
Birch ...	-/6	-/8	-/10	Sycamore ...	-/10	-/11	1/2
Lime ...	-/11	1/2	1/4	American Walnut ...	-/11	1/2	1/4
Mahogany ...	-/10	1/-	1/4	White Deal ...	-/4	-/4½	-/5½
Oak ...	-/11	1/2	1/4	Yellow ..	-/5	-/6	-/7

Woods cut to Special Sizes charged extra.

**Bronze Medal, 1884.—Gold Medal, 1890.**




## Fretwork Fittings.

 No. 1119W. Nickel-plated, -/9 per doz. pairs.	 No. 1120W. Brass, -/3 doz. pairs.	 No. 1121W. Brass, 1/3 doz.	 No. 1122W. Brass, -/5 doz. pairs.	 No. 1123W. Nickel-plated, -/8 per doz.
 No. 1124W. Brass, -/6 each. Strong,	 No. 1125W. Nickel-plated, -/3 doz.	 No. 1126W. Nickel-plated, -/3 doz.	 No. 1127W. Brass, -/6 doz.	 No. 1128W. Nickel-plated, -/3 doz.
 Brass ... -/4 each.	 No. 1130W. Nickel-plated, -/2½ doz.	 No. 1131W. Brass, -/2½ doz.	 No. 1132W. Brass ... -/2½ each. Nickel-plated ... -/3 "	
 No. 1133W. Brass, -/2 doz.	 No. 1134W. Brass, -/6 doz. Nickel-plated, -/8 doz.	 No. 1135W. Brass ... -/8 doz. Nickel-plated ... -/9 "	 No. 1136W. Brass, -/6 doz. Nickel-plated, -/8 doz.	 No. 1137W. Brass, 1/- doz. pairs.

## Patent Metal Fret-Cutting Tables.

These Tables, made to supersede the wooden ones, are of softer metal than the Saws, and consequently do not injure them; although when the Saw touches the Table the worker is immediately aware of the fact.



No. 1138W.  
 Of Pressed Steel, nickel-plated and polished, and fitted with a strong Iron Cramp. This is the Cheapest and most Serviceable Cutting Table in the market, and superior in every way to the Wood Cutting Boards. Strongly recommended to those who are taking up fretwork for the first time.

Price ... -/6 each.

No. 1139W.  
 The Table and Cramp being made separately, are more portable, less liable to breakage, and take up less room when not in use. They can, however, be instantly locked together by means of a simple but ingenious Socket. When fitted to a bench or a table they are absolutely rigid.



Dull Nickelled ... 1/- each.  
 Nickelled and Polished ... 1/6 "

Tool, Machine, and Hardware Merchants and Manufacturers.

# "New Rogers" Fret Machine.

No. 1140W.

The latest improvements on this Saw are a new Blower and a new Clamp for holding the Saw Blades.

The Arbors, etc., are made of Steel, and are carefully gauged and fitted to their bearings.

The Bearings to the Arms are carefully sized to bring them in perfect line. (This is a vital point in the construction of any Jig Saw.)

We provide each Machine with a Dust Blower, which is a very great advantage.

Our Machine has a JOINTED Stretcher Rod, which allows the operator to throw the upper arm out of the way when adjusting his work or saw. This joint also permits the Machine to work much more freely than with a straight iron rod.

Our Clamps have a Hinged Jaw, which overcomes the disagreeable raking overthrow of the blade, which is unavoidable when the saws are secured rigidly to the arms.

The Balance Wheel is 4½ in. in diameter, with a handsome Spoke Centre, and a Rim of Solid Emery.

Our attachment for Drilling is on the right-hand side of the Machine.

Each Machine is set up and run and carefully inspected before leaving the works. It is then taken down and boxed.

With each Machine we give 12 Saw Blades, Wrench, Sheet of Designs, and 3 Drill Points. Weighs 25 lb.

Price complete, with Case ... .. 17/- each.

With Balance Wheel of Iron, instead of Emery, and with Japanned Table, instead of Nickel-plated, and fitted with Blower.

Price complete ... .. 14/6 each.



# "The Star" Scroll Saw.

No. 1141W.

Our attention having been called to the demand for a machine of a little higher grade than the "Rogers" Saw, we now offer the "Star" to meet this want. The peculiar advantages of the "Star" over the "Rogers" may be summed up as follows:—

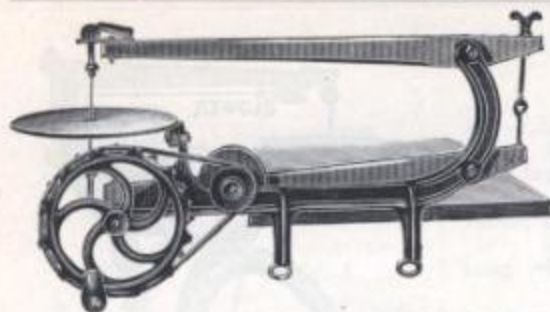
1. In method of hanging the Arms, giving them free and easy movement.
2. In adjustment of Arms so that they may be kept parallel with each other.
3. Heavier Drive Wheel for heavier work.
4. Two Balance Wheels, one each Iron and Emery, the extra weight of additional Wheel giving steadiness to the motion.
5. A Chuck for holding Drill Points.
6. The Emery Wheel is fastened by adjustable Clamps which can also be used for holding various other sizes of Emery Wheels, Grindstones, Buffing Wheels, etc.

To adjust the Arms, all that is necessary is to loosen the Bolt which goes through the Upper Arm in front of casting, and crowd the Arm sideways either to right or left and into line with the lower one; the hole in casting is elongated to permit of change in position as described. The Table is nickelled, and the general finish of the Saw same as other machines made by ourselves. It weighs, net, 37 lb., and boxed 55 lb.

Price ... .. 21/- each.

Orders of 20/- and upwards Carriage Paid (with few exceptions).





### Hand Fret Machine.

No. 1142W.

With 7 in. Non-slipping Driving Wheel and Full-sized Handle. The Arm is fitted with Patent Lever Steel Clamps and new pattern Screws and Shackles.

This Machine will take work up to 18 in. in length.

Price, packed in box ... 10/- each.

Extra Patent Saw Clamps for the above, Hardened Steel Thumbscrews and Shackles for ditto, 1/6.

We stock and supply all the parts and fittings for the above machines.

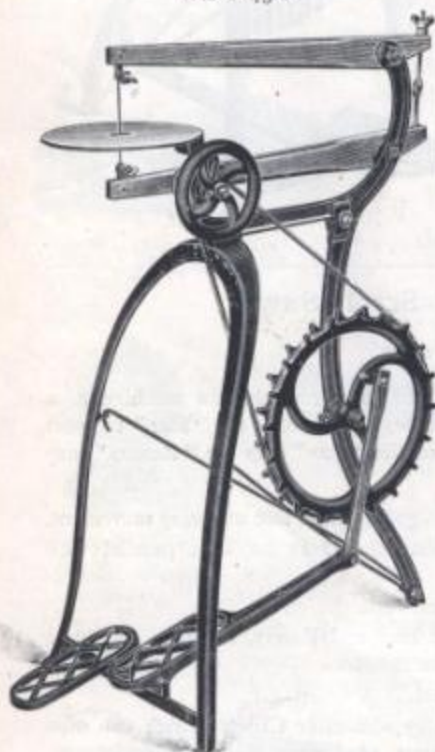
**Treadle Stands for the above Machines** of serviceable design and manufacture, consisting of Complete Frame, Treadle, Driving Wheel, Pitman Belt, etc. The Machine is simply and securely clamped to the Stand, in the same manner as to a Table, after the 7 in. Driving Wheel has been removed.

Price as described ... 7/6 each.

A Balance Wheel, Price -/8, may be added to give greater freedom in running.

### Treadle Fretsaw.

No. 1143W.



A cheap and reliable pattern, with Enamelled Iron Frame, Patent Spring Clamps which will hold the finest saw, and Varnished Beech Arms which will take work 18 in. long and up to 1 1/2 in. thick.

Price, including Wrench, one dozen Saws, and Design ... 12/6  
Extra Saw Clamps ... 1/6

### Treadle Fretsaw.

No. 1144W.

With Drilling Attachment. A strong well-fitted machine of graceful design and accurate in working. The Arms, which are kept in position by trusses, have a Swing of 19 inches between Saw and Frame. They work on knife edges, and are fitted with connecting links which prevent them from flying off. There is a superior Tilting Table 10 1/2 in. diameter, also a useful Metal Tray. The Saw has a practically vertical stroke, cutting rapidly and accurately, and there is more room between the top clamp and the table than is the case with most machines.



Price, with Drilling Attachment as shown, and complete with Oil Can, Spanner, Screwdriver, 6 Drill Points, 1 dozen Saws, and 6 Designs ... £2 : 2 : 0  
If without Drilling Attachment ... 1 : 15 : 0  
Extra Patent Saw Clamps, plated, 2/6 per pair.

Carriage Forward.

**A large and varied Stock of Engineers' Tools and Motor Accessories.**



## Lathes and Fret Saw Attachments.

No. 1145W.

This Lathe is large enough to do small useful work, and is supplied with all the tools and instructions needed for putting it into successful use.

The Lathe Bed is 24 in. long, 12½ in. between Centres, and 5 in. Swing. The Scroll Saw can be taken off by loosening one bolt. The quality and price of this Machine will ensure it a very large sale.

Price of Lathe and Tools with Scroll Saw

Attachment	...	...	£2 : 0 : 0
" " Attachment only	...	...	0 : 7 : 6
" " Circular Saw Attachment	...	...	0 : 4 : 6

We warrant all goods bearing our name to be perfect, so far as material and workmanship are concerned. If a tool proves too soft, or breaks in consequence of a flaw in the steel, and is returned within a reasonable time from the date of purchase, a new tool will be given in exchange. If it is broken where the steel is sound it cannot be exchanged.—Rd. MELHUISH, Ltd.



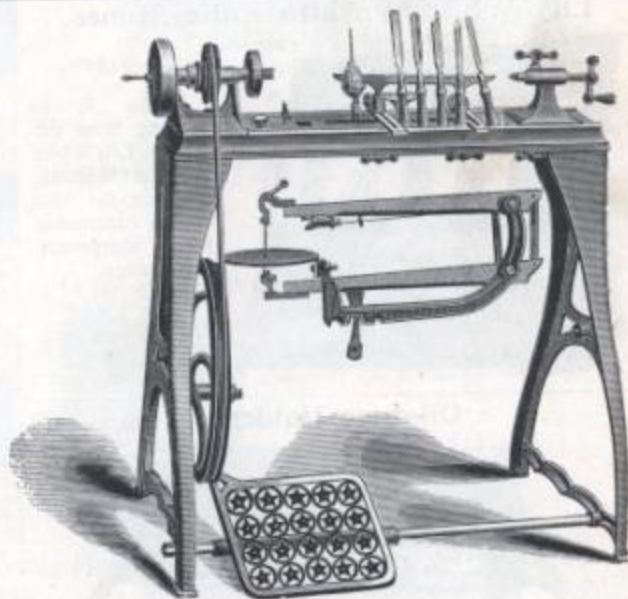
No. 1146W.

This Lathe is patterned almost exactly after the latest improved lathes now used in the best machine shops. The large Driving Wheel has two grooves, of varying depths, on its face. The Lathe Head is provided with a 2 in. face plate, a spur centre, a screw centre for turning cups, and also with a very nice drill chuck to hold ¼ in. round twist drills for drilling wood or iron. It has also on the outer side of the pulley a solid Emery Wheel and Drill Spindle, with set screw to hold drill points. The Tailstock has a screw-feed centre, which is secured at any point desired by a clamping arrangement. It is also provided with a long and short Tool Rest, 5 Turning Tools, Wrench, Drill Points, etc., etc. Swing of Lathe, 5 in. Length of Bed, 24 in. Distance between Centres, 13½ in.

The Scroll Sawing Attachment (as seen in the cut) is secured to the Lathe Bed by one bolt, and can be put on or off at pleasure. This attachment has all the improvements.

The Circular Saw Attachment consists of a Saw Table 7 x 6 in., a Saw 3 in. diameter, and a Saw Arbor. The Lathe Rest Socket is used to support the table.

This Lathe is thoroughly built and highly finished, the planed and polished parts being nickel-plated. Weight, 78 lb.



Price of Lathe and Tools with Scroll Saw Attachment, complete in Case	...	...	£2 : 10 : 0
" " Scroll Saw Attachment only	...	...	0 : 7 : 6
" " Circular Saw	"	"	0 : 4 : 6

Contractors to the Home, Indian, and Colonial Governments.





### Washita Oilstones. No. 1147W.

Lily White, finest quality.

About 8 in. x 2 in. x $\frac{1}{4}$ in. ...	2/- each.
" 9 " x 2 " x $\frac{1}{4}$ " ...	2/9 "
" 9 " x 2 $\frac{1}{2}$ " x $\frac{1}{4}$ " ...	3/9 "

### Cutlers' Washita Stones.

About 10 in. x 2  $\frac{1}{2}$  in. x  $\frac{1}{4}$  in. ... 5/- each.

No. 1 quality, prices on application.

### Washita Bevelled Gouge Slips.

Assorted Thicknesses.

No. 1148W.



About 4 in. to 4  $\frac{1}{2}$  in. long, price -/9 each.

" 4  $\frac{1}{2}$  " 5 " " 1/- "

### Washita Taper Stones.

No. 1150W.



About 5 in. long, tapering from 1 in. to  $\frac{1}{4}$  in. diameter, price 1/6 each.

### Mounted Washita Oilstones.



No. 1 quality.				No. 1149W.	
Size	4	5	6	7	8 9 inch.
Price	2/-	2/6	3/-	3/6	4/- 4/6 each.

### Washita Wheels.

No. 1151W.

Diameter  $\frac{1}{2}$  in. to 1 in.



	2	3	4	5	6 in.
	4/6	7/6	10/-	11/6	14/6 each.

### Lily White Washita Knife Stones.

No. 1152W.

These Stones are cut from the famous Lily White Washita Oil Stone, and are the best article obtainable for sharpening pen-knives.

Size about 4 x  $\frac{1}{2}$  x 1 in.

Price -/8 each.



### Oilstone Holder.

No. 1154W.



By loosening the thumbscrews slightly the stone may be turned so as to bring either of its sides to the top. Price 1/6 each.

### Turkey Stones.

No. 1153W.



About 7 x 2 x 1 in.	Price 2/- each.
" 8 x 2 x 1 " "	2/6 "
" 9 x 2 x 1 " "	3/- "

### Turkey Bevelled Gouge Slips. No. 1155W.



	Small.	Medium.	Large.
Price	-/8	-/10	1/- each.

### Mounted Turkey Stones. No. 1156W.



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

Bronze Medal, 1884.—Gold Medal, 1890.

## Arkansas Stones.

An excellent hard stone for producing a very keen edge on tools, specially those used by engravers, surgeons, dentists, etc.



No. 1157W.

About	$4\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$ in.	...	...	3/9 each.
"	$5 \times 1\frac{1}{2} \times \frac{1}{8}$ in.	...	...	6/- "
"	$5 \times 2 \times \frac{1}{8}$ in.	...	...	4/6 "
"	$6 \times 2 \times \frac{1}{8}$ in.	...	...	12/- "
"	$8 \times 2 \times \frac{1}{8}$ in.	...	...	17/6 "

## Mounted Arkansas Stones.

No. 1158W.

Size ...	$3\frac{1}{2} \times 1$	$4 \times 1\frac{1}{2}$	$5 \times 2$ in.
Price...	2/6	4/-	6/6 each.
Size ...	$6 \times 2$	$7 \times 2$	$8 \times 2$ in.
Price...	8/-	10/-	11/6 each.



## Arkansas Bevelled Gouge Slips.



No. 1159W.	About ...	$3 \times 1\frac{1}{2}$	$4 \times 1\frac{1}{2}$	$3\frac{1}{2} \times 2$	$5 \times 2$ in.
	Price ...	1/1	1/7	2/9	4/3 each.

## Arkansas Penknife Hones.



No. 1160W. About  $4 \times 1 \times \frac{3}{8}$  in., price 2/- each.

## Arkansas Carving Tool Slips.



No. 1162W.

In cardboard boxes of four to a set. Price 2/9 per set.

## Arkansas Needle Points.



No. 1161W. Price ... 1/- each

## Arkansas Triangular Files.



No. 1163W.	4 to 5 in. long by	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$ in.
	Price ...	1/2	1/6	2/- each.

## Arkansas Square Files.

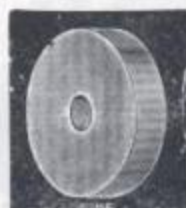


No. 1164W.	4 to 5 in. long by	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$ in.
	Price ...	1/2	1/6	2/- each.

## Arkansas Wheels.

No. 1165W.

$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4 in. diam.
8/6	11/-	13/9	16/6	22/- each.
$\frac{1}{4}$ to $\frac{1}{2}$ in. thick.				



## New Pattern Emery Gouge Slipstone.

Owing to the large variety of curves along its edges, this slip is especially suitable for all sizes of tools with either inside or outside bevels.

No. 1166W.	6 in. long by	$2 \times \frac{3}{8} \times \frac{3}{8}$	in., fine grit, 3/1 each.
	9 " " "	$3 \times \frac{1}{4} \times \frac{1}{4}$	" " " 4/2 "



NOTE—We always endeavour to send or near as possible to sizes given, but we cannot bind ourselves to supply to exact dimensions.

Tool, Machine, and Hardware Merchants and Manufacturers.



### Genuine Queer Creek Whetstones.



No 1167W.

This is a well-finished Hard Stone, which cuts quickly and imparts a good edge. It is specially suitable for Joiners' and Mechanics' Tools, and can be used either with water or oil.

Each Stone is 8 inches long, and is packed in a neat Cardboard Case.

Price ... .. 1/- each.

### Best Canadian Stones.

No. 1168W.

Price ... .. -/6 -/8 -/10 each.

### Charnley Forest Stones.

No. 1169W.

Price ... .. 1/- 1/6 2/- each.

### Water of Ayr Stones.

No. 1170W.

Price ... .. -/6 -/9 1/- each.



### Quick Cut Emery Oilstones. No. 1171W.

One Side Coarse and the other Medium.

Size ... .. 8 x 2 x 1 in. Price ... .. 1/9 each.

Quick Cut **Gouge Slip**, 4 1/2 x 1 1/2 x 1/2 to 1/4 in.

Price ... .. -/6 each.



### Mounted Razor Hones.

No. 1172W.



In Hardwood Boxes with Hinged Lids.

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

### Razor Hones. No. 1173W.



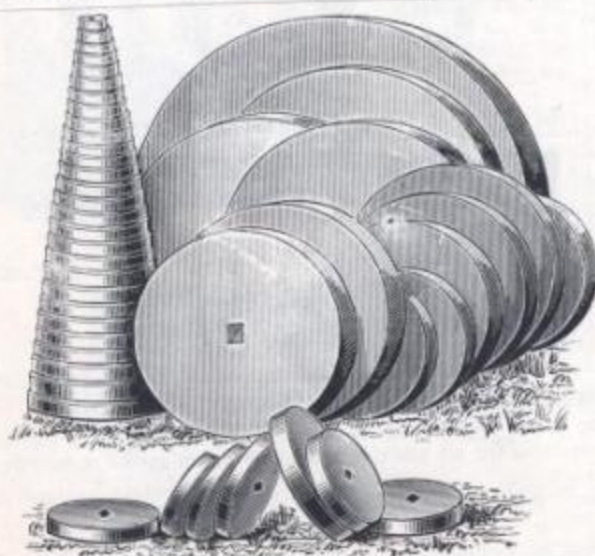
Fine Quality and very free from Blue Lines.

Size 5 6 7 8 9 in.

	5	6	7	8	9 in.
A. Natural Bed	1/3	1/6	2/6	4/3	6/6 each.
B. Laid on or Joined	-/10	1/-	1/8	3/3	4/9 "

### No. 1174W. Unmounted Grindstones.

Turned Ready for Use.



Size	Bilston	Newcastle
6 1/2 x 1 1/2 in. ...	1/5 each. ...	1/8 each.
8 x 1 1/2 " ...	1/11 " ...	2/- "
10 x 2 " ...	2/6 " ...	2/3 "
12 x 2 " ...	2/9 " ...	2/6 "
14 x 3 " ...	3/4 " ...	3/3 "
18 x 3 " ...	4/9 " ...	5/- "
24 x 4 " ...	8/- " ...	8/6 "
26 x 4 " ...	9/3 " ...	10/6 "
28 x 4 " ...	12/- " ...	12/- "
30 x 5 " ...	15/6 " ...	18/- "
36 x 6 " ...	29/6 " ...	33/- "

Quotations for Larger Sizes on Application.

At Owner's Risk. Carriage Forward.

Orders of 20/- and upwards Carriage Paid (with few exceptions).

## India Oilstones (unmounted).

Prices of Stones only.  
Fine and Medium same prices.



No. 1175w.  
Size,  $4 \times \frac{1}{2} \times \frac{1}{8}$  in.  
Price 1/9 each.



No. 1176w.  
Size,  $4 \times \frac{1}{2} \times \frac{1}{8} \times \frac{1}{8}$  in.  
Price 1/9 each.



No. 1177w.  
Size,  $4 \times \frac{1}{2} \times \frac{1}{8} \times \frac{1}{8}$  in.  
Price 1/9 each.



No. 1178w.  
Size,  $4 \times \frac{1}{2} \times \frac{1}{8} \times \frac{1}{8}$  in.  
Price 1/9 each.



No. 1179w.  
Size,  $4 \times \frac{1}{2} \times \frac{1}{8} \times \frac{1}{8}$  in.  
Price 1/9 each.



No. 1180w.  
Size,  $4 \times \frac{1}{2} \times \frac{1}{8} \times \frac{1}{8}$  in.  
Price 1/9 each.



No. 1181w.  
Size,  $4 \times \frac{1}{2} \times \frac{1}{8} \times \frac{1}{8}$  in.  
Price 1/9 each.



No. 1182w.  
Size,  $3 \frac{1}{2} \times \frac{1}{2} \times \frac{1}{8}$  in.  
Price 1/9 each.



No. 1183w.  
Size,  $8 \times \frac{1}{2} \times \frac{1}{8}$  in.  
Price 1/9 each.



No. 1184w.  
Size,  $4 \times \frac{1}{2} \times \frac{1}{8}$  in.  
Price 1/9 each.



No. 1185w.  
Size,  $4 \times \frac{1}{2} \times \frac{1}{8}$  in.  
Price 1/6 each.



No. 1186w.  
Size,  $4 \times \frac{1}{2} \times \frac{1}{8}$  in.  
Price 1/6 each.



No. 1187w.  
Size,  $4 \times \frac{1}{2} \times \frac{1}{8}$  in.  
Price 1/6 each.



No. 1188w. **Special Gouge Slips**  
(Fine only).  
Size,  $6 \times 2 \times 1 \times \frac{1}{8}$  in. Price 2/8 each.



No. 1189w.  
Size,  $6 \times \frac{1}{2} \times \frac{1}{8}$  in.  
Price 2/6 each.



No. 1190w.  
**Engraver's Pencil.**  
Fine one end, medium other.  
Price 1/6 each.



No. 1191w.  
**Points.**  
Size,  $3 \times \frac{1}{8}$  in.  
Price 1/9 each.



No. 1192w.  
Size,  $4 \times \frac{1}{2}$  in.  
Price 1/8 each.



No. 1193w.  
Size,  $4 \times \frac{1}{2}$  in.  
Price 1/8 each.



No. 1194w.  
**Heel Breasting Stone.**  
Size,  $6 \times 2 \times \frac{1}{8}$  in.  
Price 1/9 each.



No. 1195w.  
Size,  $4 \times \frac{1}{2}$  in.  
Price 1/6 each.

## Combination India Oilstones.

No. 1196w.

These Stones have one face medium and one face coarse grade. The coarse side can be used for sharpening dull tools, or tools where fast work is required without regard to fine finish, while the

medium size can be used when a finer edge is required, or for finishing after the coarse side has been used.

Sizes	...	$6 \times 1 \frac{1}{2} \times \frac{3}{8}$	$6 \times 2 \times 1$	$7 \times 2 \times 1$	$8 \times 1 \frac{1}{2} \times 1 \frac{1}{2}$	$8 \times 2 \times 1$ in.
Price	...	2/-	2/8	3/6	4/6	4/6 each.

## India Oilstone Wheels.

These are of the same texture and material as the regular India Oilstone. They are made in the same variety of grades, and are used for the same purposes as the wheels made from natural stones, such as Washita and Arkansas.



Diam.	...	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8	9	10	12 in.
1/4 in. thick		1/9	2/2	2/6	2/9	3/6	4/2	4/9	5/6	6/3	7/3	—	—	—	—	—
3/8 " "		2/2	2/9	3/6	4/2	4/9	5/6	6/3	6/10	7/8	8/8	11/3	13/6	16/-	19/-	24/- each.
1/2 " "		2/6	3/3	4/3	4/9	5/10	7/-	7/8	8/3	9/-	10/-	13/9	15/6	18/6	21/6	29/3
3/4 " "		2/9	3/6	4/10	5/6	6/10	8/3	9/-	9/9	10/4	11/-	16/6	19/3	23/3	26/9	37/9
1 1/4 " "		3/6	4/3	5/6	6/3	7/10	9/6	10/4	11/-	11/9	12/6	19/9	24/6	30/9	35/9	51/6
2 " "		4/3	4/10	6/3	7/3	8/9	10/4	11/9	12/9	13/6	14/6	24/9	31/-	41/6	48/-	60/-

Fine, medium, or coarse same prices. These Wheels are not stocked but are made to order only.

**A large and varied Stock of Engineers' Tools and Motor Accessories.**



## India Oilstones.

These are a composition Stone, very strong and durable, of particular evenness and clearness of grain throughout, and with remarkable cutting qualities. The **Fine Stones** leave a keen, smooth edge on the hardest and finest of steel tools, giving results equal to those obtained on the usual Arkansas hones, and are adapted for sharpening high-class wood and metal workers' tools. The **Medium Stones** are for ordinary carpenters' tools, also for machine and hand knives, for paper, cloth, leather, rubber, etc., and will make a quick cutting edge.



No. 1198w.

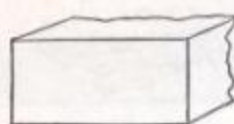
India Oilstones in Polished Wooden Box. Medium or Fine.		
Size of Stone, 6 x 2 x 1 in.	...	Price 3/3 each.
" " " 7 x 2 x 1 "	...	" 3/6 "
" " " 8 x 2 x 1 "	...	" 4/6 "



No. 1199w.

India Oilstones in Iron Box. Medium or Fine.		
Size of Stone, 6 x 2 x 1 in.	...	Price 3/6 each.
" " " 7 x 2 x 1 "	...	" 4/6 "
" " " 8 x 2 x 1 "	...	" 5/6 "

## India Oilstones (unmounted). Prices of Stones only. Fine and Medium, same Prices.



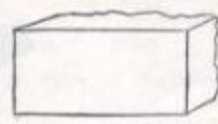
No. 1200w.  
Size, 8 x 2 x 1 in.  
Price 3/6 each.



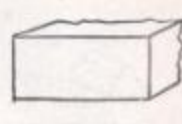
No. 1201w.  
Size, 8 x 1 1/2 x 1 1/4 in.  
Price 3/6 each.



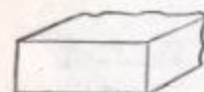
No. 1202w.  
Size, 7 x 2 x 1 in.  
Price 2/8 each.



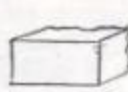
No. 1203w.  
Size, 6 x 2 x 1 in.  
Price 2/2 each.



No. 1204w.  
Size, 6 x 1 1/2 x 1/2 in.  
Price 1/9 each.



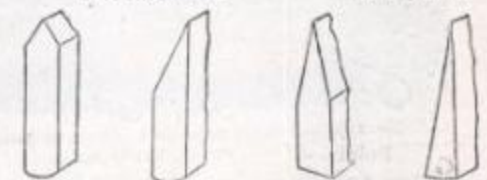
No. 1205w.  
Size, 4 1/2 x 1 1/2 x 1/2 in.  
Price 1/6 each.



No. 1206w.  
Size, 4 x 1 x 1/2 in.  
Price 1/2 each.



No. 1207w.  
Size, 2 x 1 x 1/4 in.  
Price 1/2 each.



No. 1208w. Carvers' Slips.  
Size, 2 1/2 x 1/2 x 1/8 in. Price 3/6 per Set of four.



No. 1209w.  
Size, 6 x 1 x 1 in.  
Price 2/- each.



No. 1210w.  
Size, 6 x 3/4 x 1/2 in.  
Price 2/- each.



No. 1211w.  
Size, 6 x 3/4 x 1/2 in.  
Price 1/8 each.



No. 1212w.  
Size, 6 x 1/2 x 1/2 in.  
Price 1/8 each.



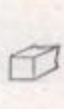
No. 1213w.  
Size, 4 x 1/2 x 1/2 in.  
Price 1/1 each.



No. 1214w.  
Size, 6 x 3/4 x 1/2 in.  
Price 1/8 each.



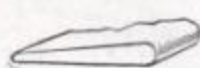
No. 1215w.  
Size, 4 x 3/4 x 1/2 in.  
Price 1/1 each.



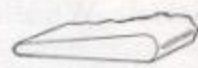
No. 1216w.  
Size, 4 x 1/2 x 1/2 in.  
Price 1/1 each.



No. 1217w.  
Size, 4 x 1 x 1/2 x 1/8 in.  
Price 1/1 each.



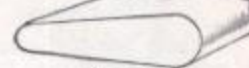
No. 1218w.  
Size, 4 1/2 x 1 1/2 x 1/2 x 1/8 in.  
Price 1/3 each.



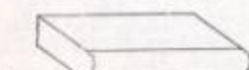
No. 1219w.  
Size, 4 1/2 x 1 1/2 x 1/2 x 1/8 in.  
Price 1/3 each.



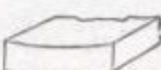
No. 1220w.  
Size, 4 1/2 x 1 1/2 x 1/2 x 1/8 in.  
Price 1/3 each.



No. 1221w.  
Size, 4 1/2 x 2 1/2 x 1/2 x 1/8 in. 1/9 ea.  
" 6 x 2 1/2 x 1/2 x 1/8 " 2/2 "



No. 1222w.  
Size, 7 x 2 x 1 in. Price 3/6 each.  
8 x 2 x 1 " " 4/4 "



No. 1223w.  
Size, 4 x 1 1/2 x 1/2 in.  
Price 1/3 each.



No. 1224w.  
Size, 4 x 1 1/2 x 1/2 in.  
Price 1/3 each.



No. 1225w.  
Size, 4 1/2 x 1 x 1/2 in.  
Price 1/2 each.



No. 1226w.  
Size, 4 x 1 x 1/2 in.  
Price 1/9 each.



No. 1227w.  
Size, 3 1/2 x 1/2 x 1/2 x 1/8 in.  
Price 1/1 each.

Contractors to the Home, Indian, and Colonial Governments.

## Carborundum Stones.

No. 1228w.  
Pocket Stones.



A very useful Stone for sharpening the pen-knife or ink scratcher. Furnished in a neat leather case, convenient size for pocket.

No. 145. 4 x 1 x 1/4 in. (fine) complete in Case, 1/9  
" 146. 4 x 1 x 1/4 in. (medium) " " " 1/6

No. 1230w.  
Combination Stones.  
Made in five sizes.



No. 1229w.  
Sportsmen's Combination Stones.

This Stone is designed for the sportsman's hunting outfit. One side of stone is of a coarse grit, to sharpen very dull knives; the other side is of a very fine grit, to put the keen edge on knives.

Furnished in a neat soft leather case, convenient size for pocket.

No. 114. 4 x 1 x 1/2 in. ... 3/3 per Stone.



No. 1230w.  
These Stones are designed especially for Carpenters and Mechanics. They are made with one face of coarse and one face of very fine grit. The coarse side can be used for sharpening dull tools; the fine side for tools requiring a keen, sharp edge.

No. 108. 8 x 2 x 1 in. ... 5/3 per Stone.  
" 110. 7 x 2 x 1 " ... 4/9 "  
" 109. 6 x 2 x 1 " ... 4/3 "  
" 111. 5 x 1 1/2 x 1 " ... 3/3 "  
" 112. 4 x 1 1/2 x 1 " ... 2/- "

No. 1231w.  
This Strop is designed especially for Shoemakers and Leather Workers. One face of strop is made of coarse grit and one face of very fine grit.  
Length over all, 12 in.  
Price per Strop ... 7/9



No. 1232w.  
Carborundum Grains and Powders.



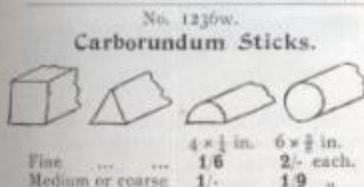
The Carborundum Grains and Powders are produced by crushing the crude Carborundum crystal masses. The grains are subjected to an acid treatment, then graded into the different grits by a sieving process. The grains too small to grade by sieving are graduated in running water, the finest grains being those which float longest.

Grains Nos. 60, 70, 80, 90, 100, 120, 150, 180, 220.  
Powders F, FF, FFF.

Price in 1 lb. tins, 1/3 per tin.  
Either Powders or Grains.

No. 1235w.  
Carborundum Cloth.

In Sheets 11 x 9 in.  
No. 2, 1 1/2 in. ... price 3/9 per Quire  
" 1/2 FFF, FF, F " 3/3  
Price per Sheet, 7/2



No. 1236w.  
Carborundum Sticks.

Fine ... 4 x 1/2 in. 6 x 1/2 in.  
Medium or coarse 1/- 2/- each.  
1/9 "

No. 1233w.  
Silversmiths' Stones.

Special sizes and shapes for Silversmiths, Watch-makers and General Die Work.

Size	Price per Stone
Size, 4 x 1/2 x 1/4 in.	
No. 300, FF (fine) ...	2/6
" 301, 220 (medium fine) ...	1/9
" 302, 150 (medium) ...	1/9
Size, 4 x 1/2 x 3/8 in.	
No. 303 FF (fine) ...	3/3
" 304, 220 (medium fine) ...	2/-
" 305, 150 (medium) ...	2/-
Size, 4 x 1/2 x 5/16 in.	
No. 306 FF (fine) ...	3/3
" 307, 220 (medium fine) ...	2/-
" 308, 150 (medium) ...	2/-
Size, 4 x 1/2 x 1/2 in.	
No. 309 FF (fine) ...	3/3
" 310, 220 (medium fine) ...	2/-
" 311, 150 (medium) ...	2/-
Size, 4 x 1/2 x 3/4 in.	
No. 312 FF (fine) ...	3/3
" 313, 220 (medium fine) ...	2/-
" 314, 150 (medium) ...	2/-
Size, 4 x 1/2 x 5/8 in.	
No. 315 FF (fine) ...	3/3
" 316, 220 (medium fine) ...	2/-
" 317, 150 (medium) ...	2/-
Size, 4 x 1/2 x 3/4 in.	
No. 318 FF (fine) ...	1/9
" 319, 220 (medium fine) ...	1/3
" 320, 150 (medium) ...	1/3
Size, 3 1/2 x 1/2 x 1/2 in.	
No. 321 FF (fine) ...	3/3
" 322, 220 (medium fine) ...	2/-
" 323, 150 (medium) ...	2/-



No. 1237w.  
Carborundum Blacksmith's Stone.



For sharpening Farrier and Butchers' knives; does the work better and more rapidly than a file, and leaves a good cutting edge.  
No. 199, length 6 in., width 1 in., greatest thickness 1/2 in. Price per Stone, 1/3.

No. 1234w.  
Carborundum Niagara Scythe Stones.

A strong, durable and wonderfully rapid cutting Stone. They do away with the grinding of a scythe altogether, by producing a clean, sharp edge and doing it faster and easier than it could be done on the best grindstone ever made.



No. 190. 10 in. long. Price 7/9 each.

No. 1238w.  
Pocket Stone.

This little Stone is made of fine Carborundum Powder, and of a hardness suitable for sharpening pocket knives, ink scratchers, scissors and small tools. It is a smooth, fast cutting stone, producing a very sharp, keen edge.



No. 149. 3 x 1/2 x 1/2 in., fine, 7/9 per Stone.

No. 1239w.  
Knife Sharpener.

A solid shaft of Carborundum, firmly mounted on handle by a steel rod extending its entire length, giving it strength and durability.

Length over all, 12 in., per Sharpener, 1/-





# Carborundum Wheels, Stones, Powders, etc.

Carborundum is a manufactured abrasive. It is a chemical combination of carbon and silicon, and is much harder than other abrasives. Very fast cutting, and can be used either wet or dry.



No. 1240W.

DIAM.	THICKNESS.					
	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$1\frac{1}{2}$ in.
2 in.	1/-	1/3	1/4	1/6	—	—
2½ "	1/3	1/6	1/10	2/2	—	—
3 "	1/4	1/11	2/3	2/8	3/-	—
3½ "	1/8	2/3	2/8	3/2	3/9	—
4 "	2/4	3/-	3/3	3/9	4/3	5/3
5 "	3/3	3/8	4/-	5/-	6/2	7/3
6 "	—	4/3	4/8	6/8	8/3	12/4
8 "	—	—	7/3	10/-	12/9	15/9
10 "	—	—	—	14/-	17/6	21/4
12 "	—	—	—	16/9	20/6	25/-
						30/6



No. 1241W.  
**Slip  
Stones.**

These are made in four sizes and three grits.  
 $6 \times 2 \times \frac{1}{8}$  in.,  $6 \times 1\frac{1}{2} \times \frac{1}{8}$  in.,  $4 \times 2 \times \frac{1}{8}$  in.,  $4 \times 1\frac{1}{2} \times \frac{1}{8}$  in.  
 Each fine, medium, coarse.

No. 180.	$4 \times 2 \times \frac{1}{8}$ in.	Fine,	2/- each.
" 181.	$4 \times 2 \times \frac{1}{8}$ in.	Medium,	1/6 "
" 182.	$4 \times 2 \times \frac{1}{8}$ in.	Coarse,	1/6 "
" 183.	$4 \times 1\frac{1}{2} \times \frac{1}{8}$ in.	Fine,	1/9 "
" 184.	$4 \times 1\frac{1}{2} \times \frac{1}{8}$ in.	Medium,	1/3 "
" 185.	$4 \times 1\frac{1}{2} \times \frac{1}{8}$ in.	Coarse,	1/3 "

When ordering, kindly state size of spindle hole, also whether fine, medium, or coarse grit, or for what purpose the wheels are required.

For Lists of Emery Wheels and Grinders, see our Engineers' and Metal Workers' Catalogue.

No. 1243W.



## Sharpening Stones.

Positively unequalled for rapid cutting qualities. Used dry, or with water or oil. Are quite porous, and may be tempered in their cutting by filling with wax or vaseline.

No.	Length inches.	Width.	Thick-ness.	No. of Carborundum.	Price
115	8	2	1	FF (fine)	4/3
116	8	2	1	180 (medium)	3/3
117	8	2	1	120 (coarse)	3/3
118	8	2	1	FF (fine)	3/3
119	8	2	1	180 (medium)	2/6
120	8	2	1	120 (coarse)	2/6
121	6	2	1	FF (fine)	3/3
122	6	2	1	180 (medium)	2/6
123	6	2	1	120 (coarse)	2/6
124	6	2	1	FF (fine)	2/6
125	6	2	1	180 (medium)	1/9
126	6	2	1	120 (coarse)	1/9
127	6	1½	1	FF (fine)	2/9
128	6	1½	1	180 (medium)	2/-
129	6	1½	1	120 (coarse)	2/-
130	6	1	1	FF (fine)	1/9
131	6	1	1	180 (medium)	1/6
132	6	1	1	120 (coarse)	1/6
139	4	1	1	FF (fine)	2/3
140	4	1	1	180 (medium)	1/9
141	4	1	1	120 (coarse)	1/9
142	4	1	1	FF (fine)	1/9
143	4	1	1	180 (medium)	1/3
144	4	1	1	120 (coarse)	1/3
145	4	1	1	FF (fine)	1/-
146	4	1	1	180 (medium)	~9
147	4	1	1	120 (coarse)	~9

No. 1243W.



## Aluminium Oil-stone Boxes.

These boxes are made of highly polished aluminium and are furnished in three sizes:

No.	For	Price, Box Without Stone.
No. 1	for $8 \times 2 \times 1$ in. stone	6/3
" 2	for $6 \times 2 \times 1$ "	5/3
" 3	for $4 \times 1\frac{1}{2} \times 1$ "	4/3
Oak Cases 1, 2, or 3		1/-

We recommend the use of the following stones in these boxes:

For No.	Price, Without Box.
1 box.—No. 108 Combination stone, $8 \times 2 \times 1$ in.	5/3
1 " " 115 Fine stone, $8 \times 2 \times 1$ "	4/3
1 " " 116 Medium stone, $8 \times 2 \times 1$ "	3/3
2 " " 109 Combination stone, $6 \times 2 \times 1$ "	4/3
2 " " 121 Fine stone, $6 \times 2 \times 1$ "	3/3
2 " " 122 Medium stone, $6 \times 2 \times 1$ "	2/6
3 " " 139 Fine stone, $4 \times 1\frac{1}{2} \times 1$ "	2/3
3 " " 140 Medium stone, $4 \times 1\frac{1}{2} \times 1$ "	1/9

No. 1246W.



## Instrument Hone.

Made of the very finest hand-washed powder. Unexcelled for producing a keen edge. A very useful hone for surgeons and dentists. Furnished in a neat black leather case, convenient size for instrument case.

No. 100, $4 \times 1\frac{1}{2}$ in.	Price, 3/3
--------------------------------------	------------

No. 1244W.



## Machinists' Special.

This stone is especially designed for the Machinist's use, fast cutting, and holds its shape perfectly. The grit and grade of hardness is adapted to sharpening lathe and planer tools, milling cutters, reamers, and drills.

No. 292, $4 \times 1 \times \frac{1}{2}$ in., FF (fine).	Price, 1/6
--	------------

No. 1245W.



## Points.

For Die Sinks. Hard and Sharp. Three inches long. Made in three Grits.

No. 97, FF (fine)	Price, 3/3
" 98, 180 (medium)	" 2/-
" 99, 120 (coarse)	" 2/3

No. 1247W.



The above shape of stone is specially suitable for sharpening carving bits.

No. 290, Fine	Price, 2/6
" 291, Coarse	" 1/9

**Tool, Machine, and Hardware Merchants and Manufacturers.**

### The Handy Grindstone.

No. 1248W.

The Family Grindstones, illustrated in former catalogues, have had a large sale, but this is much better than either of them. It is a Huron stone,  $1\frac{1}{2}$  by 14 in. Being three times as large, the surface runs three times as fast as the old kind. There is nothing about the machine which will break or get out of repair. Japanned iron frame.

Weight, packed, 85 lb. Price 19/- each.  
Carriage Forward.



### Bench Grindstones.

No. 1249W.

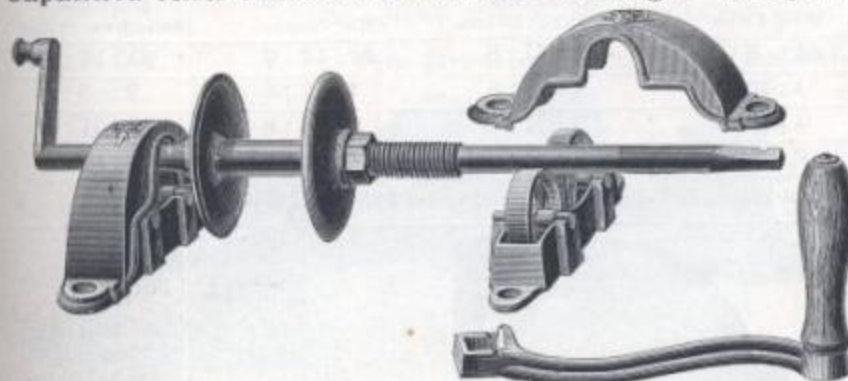
Best quality, fast-cutting Blue Grit Stones, fitted in iron frame with wrought iron spindles, having screwed nut and collar plates to prevent the possibility of the stone breaking.

Sizes	... 6 x 1 $\frac{1}{2}$	8 x 1 $\frac{1}{2}$	10 x 2	12 x 2	14 x 2 $\frac{1}{2}$ in.
Price	... 5/-	7/-	7/6	9/-	11/- each.

Carriage Forward.



### Japanned Anti-Friction Grindstone Fittings. No. 1250W.



Length of Spindle over all	... 17	21	24 in.
Suitable for Grindstone	... 15 x 2 $\frac{1}{2}$	18 x 3	21 x 4 "
Price complete as shown.	... 2/6	3/-	3/9 each.

Roller Bearings, suitable for Stone	18 x 3 in.	Price 11/6 set.
" " " " "	21 x 3 "	13/- "
" " " " "	24 x 4 "	14/- "

### Grindstone Journals.



No. 1251W.

Price per Set :

For $\frac{3}{4}$ in. Spindle	... 1/-
" 1 " "	... 1/9

Illustration represents half a set.

### Wrought Iron Grindstone Fittings.

No. 1251 $\frac{1}{2}$ W.

Comprising Spindle, plain Bearings and Plates.

Suitable for Stone	18 x 3 in.	Price 7/6
" " "	21 x 3 "	8/6
" " "	24 x 4 "	9/6
Handle	...	3/3
Crank and Screw	...	2/-
Treadle and Rod	...	3/6

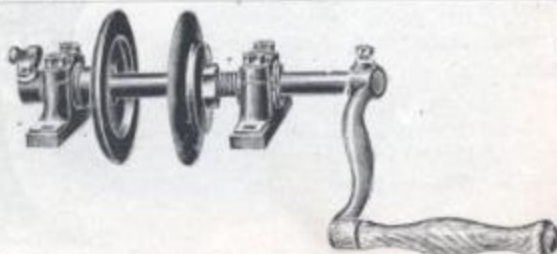
### Extra Strong Wrought Iron Fittings.

No. 1252W.

With Plummer Blocks and Brasses as illustrated.

Suitable for	... 24	30	36 in. stones.
Price	... 13/6	20/-	25/- set.

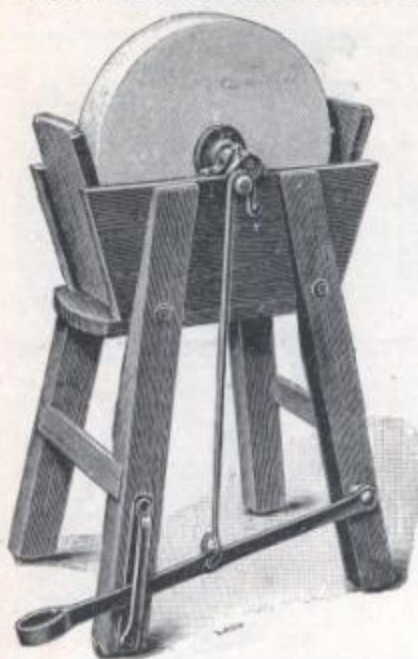
Treadle and Rod, 5/6 extra.



Orders of 20/- and upwards Carriage Paid (with few exceptions).



## Wood Frame Grindstones.



No. 1253W.



## Mounted Grindstones.

Best Blue Bilston Grit, specially suitable for Engineers, Carpenters, Butchers, and others.

Connecting Rods and Treadles of Wrought Iron, as are the Spindles.

All Grindstones sent Carriage Forward.

## Iron Frame Grindstones.



No. 1254W.

Size.	Wood Frame.	Wood Frame. Anti-friction Rollers.	Iron Frame.	Iron Frame. Anti-friction Rollers.
18 x 3 in. ... ..	£1 : 8 : 6	£1 : 11 : 6	£1 : 13 : 6	£1 : 16 : 6
18 x 4 " " " " " "	1 : 10 : 6	1 : 13 : 6	1 : 17 : 6	2 : 0 : 6
21 x 4 " " " " " "	1 : 18 : 0	2 : 1 : 6	2 : 8 : 6	2 : 11 : 6
24 x 4 " " " " " "	2 : 5 : 0	2 : 9 : 0	2 : 14 : 6	2 : 18 : 6

If with Pulley for Steam Power, 5/9 extra; if Fast and Loose Pulleys, 11/6 pair.

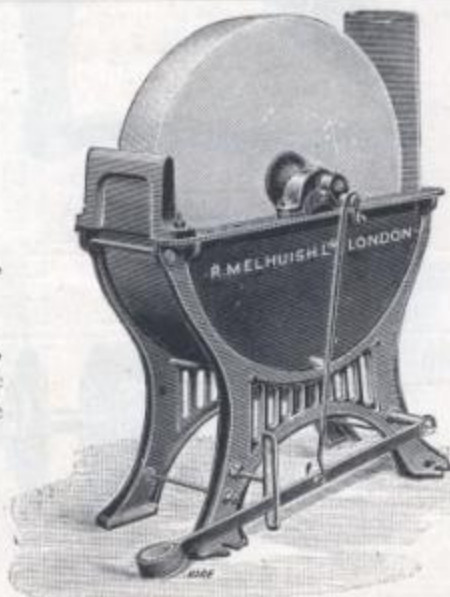
## Grindstones in Extra Strong Iron Frames.

No. 1255W.

For Engineers, Mining Companies, etc., etc.

Fitted with Blue Grit Stones, Screwed Axes and Nuts, Side Plates, Plummer Blocks, Handle and Treadle.

Pulleys for same  
10 in., 5/6; 14 in., 6/6 each.



## Sizes and Prices.

Size of Stone.	Price with Plummer Blocks or Anti-friction Bearing.
30 x 5 in. ...	£4 : 8 : 0
36 x 5 " " " "	6 : 4 : 0
36 x 6 " " " "	7 : 0 : 0
42 x 6 " " " "	7 : 15 : 0
42 x 8 " " " "	8 : 16 : 0
48 x 8 " " " "	10 : 0 : 0
48 x 10 " " " "	10 : 15 : 0

Anti-friction Roller Bearings are not recommended for Power Driving.

A large and varied Stock of Engineers' Tools and Motor Accessories.

Grindstone Dresser. For Face and Sides.

No. 1256W.



Fig. 1.

Position of Cutter when Truing Edges.

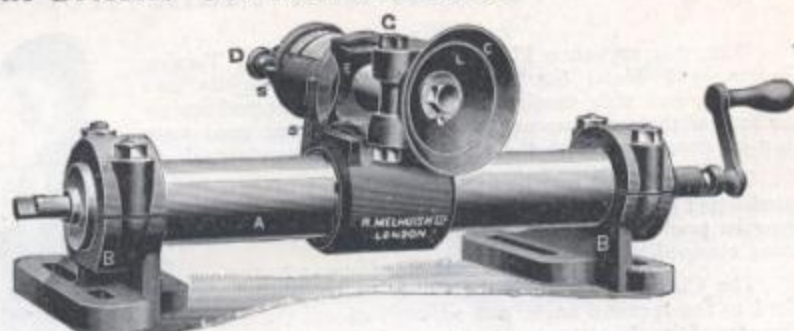


Fig. 2.—Position of Cutter when Truing Face.

Will true a grindstone on face and edges in a few minutes whilst running at its ordinary speed. The Cutter is made of thin sheet steel stamped in the form of a cone. It cannot wear blunt, lasts a long time, and when worn out can be replaced at a small cost.

It can readily be fixed to troughs of varying widths by shifting the brackets BB; the tubular slide A can be swivelled so as to bring the cutter axis into correct position relatively to the centre of the stone.

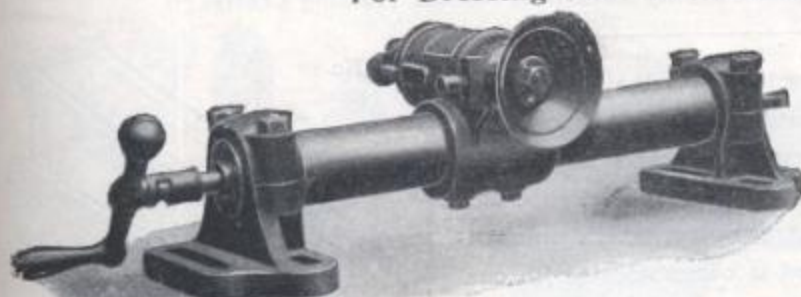
In the new Double-Action Grindstone Dresser the cutter bush holder F can be fixed in the cutter bar in two positions—the one for truing the Face (Fig. 1), and the other for truing the Edges.

						Double Action.	Single Action.
No. 1.	For stones up to	5 in.	For trough up to	18 in. over flanges	...	£4 : 14 : 6	£3 : 18 : 9
" 2.	"	8 "	"	21 "	"	5 : 7 : 0	4 : 10 : 0
" 3.	"	10 "	"	26 "	"	6 : 6 : 6	5 : 7 : 0
" 4.	"	15 "	"	31 "	"	8 : 8 : 6	7 : 12 : 0

Prices include Spanner, Handle, 2 Cutters, and 1 Liner.

For Dressing Face of Stone only.

No. 1257W.



For stones up to	For Troughs Measuring over Flanges	Price Complete.
5 in. wide	14 in.	£3 : 5 : 0
8 "	18 "	3 : 15 : 0
10 "	22 "	4 : 7 : 6
15 "	27 "	6 : 5 : 0

The prices include Handle, Spanner, 2 Cutters, and Liner to each Tool.  
Extra Cutters 1/- each.

Safety Tool Rest for Grindstones.

No. 1258W.

This Tool Rest is perfectly rigid and steady when in position. Consequently accidents to workmen through the Tool jamming between the Rest and Stone are entirely prevented.

Illustration shows Rest set for use on a new stone.

When ordering give distance between centres of Bolt Holes.

For Troughs up to 12 in. between Centres ... 12/6 each.

" " 20 " " ... 14/6 "



Contractors to the Home, Indian, and Colonial Governments.



## Chisel and Plane-Iron Holder.

No. 1259W.

With this appliance Plane Irons, Paring Chisels, Turning Gouges, and Metal Scrapers may be ground rapidly and accurately, and with comfort and cleanliness. Inequalities on the face of the stone scarcely affect the result, and good work may be done, even with the grindstone in bad condition.

The Attachment may be fixed to the trough of an ordinary grindstone; the illustration shows it in use, and the dotted lines show its position when out of action, and whilst the cutter is being clamped.

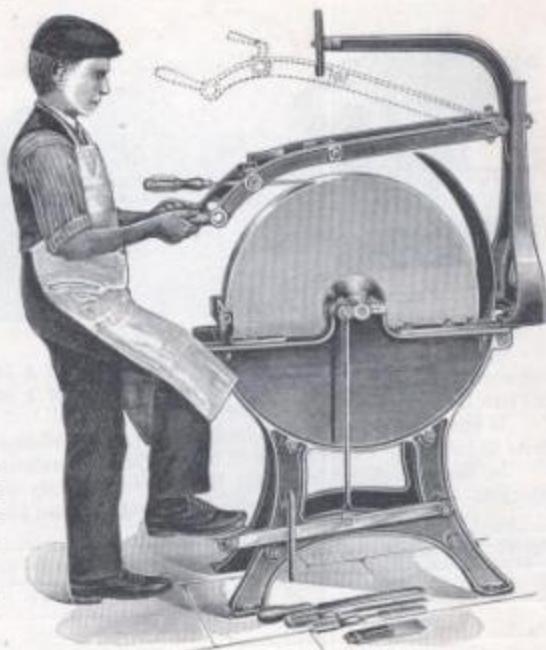
The Clamp which holds the Cutter to be ground may be tilted to the required angle, and adjusted to suit the decreasing diameter of the Grindstone.

The Levers or Arms which carry the Clamp or Cutter holder are attached to the column by a universal joint, which allows Turning Gouges, etc., to be ground as readily as Plane Irons and Paring Chisels.

Any desired pressure may be applied at the handles, but for light work the weight of the Levers is sufficient. The base of the column has holes for bolting to the flanges of Grindstone Trough, but any special fixing that may be necessary can be supplied on receipt of particulars and dimensioned sketch.

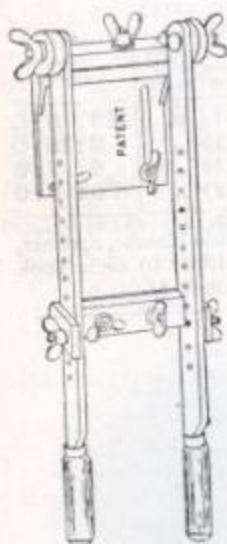
Price of Grinding Attachment only, suitable for stones up to 36 in. diameter, £1 : 7 : 6.

(Carriage Forward.)



## Patent Tool Grinding Appliance.

Adopted by the London County Council in Manual Training Centres.



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R. MELHUISH, LTD.

No.  
1260W.



By using the above Apparatus the following advantages are obtained:—

Perfect accuracy in Grinding Tools.

The surface of the Stone is worn evenly; no turning-up required.

The Tools can be examined at any time during grinding operations without being taken out.

By the simple adjustment of the thumbscrews at the back, the Appliance can be set to grind any angle.

No previous knowledge of grinding required.

Tools ground in half the time usually taken, and with better finish.

When not in use can be turned round, right away from stone.

Can be fitted to any Grindstone from 18 x 2 in. up to 24 x 4 in.

Price ... .. 25/- each.

Bronze Medal, 1884.—Gold Medal, 1890.



### Patent Tool Sharpener (Melhuish's).

No. 1261W.

Adjustable to any Bevel. A Perfect Edge with minimum of grinding.

We claim for this method that it will better preserve the bevel of Plane Irons, etc., and enable the workman to sharpen his tools more effectively and quickly than by the regular method. To the frame which carries the stone is attached a leather strap having a stirrup for the foot. This overhangs the edge of the bench, and may be adjusted by means of a slip buckle. The stone is then drawn under the tool by pressure of the foot in the strap, and returns by tension of a spiral spring. A perfectly uniform bevel and keen edge can be put on the tool in this way. A very large number of these are now in use with the most successful results.

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Oilstone, 2/- extra.

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No. 1262W.

This Rest consists of a frame through which the Plane Iron or other tool to be ground is passed, being held in position by a clamp screw, which works through the upper part of the frame.

A small wheel, placed underneath the frame, travels on the surface of the stone, enabling the user to hold steadily in one position.

Any desired angle can be given by adjusting the position of the tool in the frame.

Price 1/3 each.



### Chisel and Plane Iron Sharpening Machine.

No. 1263W.

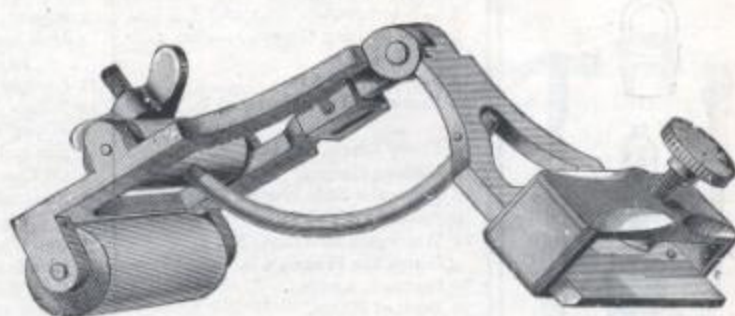


This useful machine is simple in use. A boy can sharpen a Plane Iron, and ensure having a straight and true edge, in less time than the most experienced workman could with a stone.

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### Chisel and Plane Iron Grinder.

No. 1264W.



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- |  |  |
|--|--|
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| 3 Try " 2½ in.                                     | 2 Sets of Centre Bits, ½ to 1½ in.                 |
| 4 Smooth Planes, 2½ in.                            | 2 Bit Braces, adjustable chuck, 1 plain, 1 ratchet |
| 2 Rebate " one ¾ in., one 1½ in.                   | 2 Sets of 36 assorted Bright Bits.                 |
| 12 C. S. Brass Back Tenon Saws.                    | 2 Screwdriver Bits.                                |
| 3 Panel Saws, 24 in.                               | 2 each Wood and Metal Countersinks.                |
| 3 Bow " 8 in.                                      | 2 Half-round Files, handled, 8 in.                 |
| 6 C. S. Firmer Chisels, handled, each ½, ¾, 1 in.  | 1 Half-round File, " 10 in.                        |
| 8 Ditto, each ½, ¾, 1 in.                          | 3 Round Files, handled, 8 in.                      |
| 3 C. S. Gouges, handled, each ½, ¾, 1 in.          | 2 Square " " 8 in.                                 |
| 3 C. S. Scribing Gouges, handled, each ½, ¾, 1 in. | 4 Half-round Cabinet Rasps, handled, 10 in.        |
| 12 Screwdrivers, 6 in.                             | 12 Straight Wood Rules, 2 ft.                      |
| 12 Rosewood Try Squares, 4½ in.                    | 12 Joiners' Mallets, 4½ in.                        |
| 4 " " " 10½ in.                                    | 1 Wrought "G" Cramp, 4 in.                         |
| 4 Ebony Bevels, 10½ in.                            | 1 pint each Linseed and Sweet Oil.                 |
| 12 Marking Gauges.                                 | 4 Oil Cans, brass bottoms.                         |
| 3 Turncrew Slide Mortise Gauges.                   | 1 Mounted Grindstone, 18 x 3 in., with Treadle.    |
| 6 Spokeshaves, 2½ in.                              | 1 Iron Glue Pot.                                   |
| 12 Warrington Hammers, No. 2.                      | 3 Glue Brushes.                                    |
| 4 Lancashire Pincers, 6 in.                        | 3 Cork Rubbers, assorted shapes.                   |
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Celluloid  
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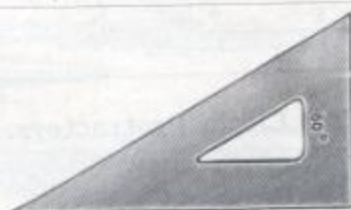
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	5	6	7	8	9	10	11	12 in.
45°	1/7	1/8	1/9	1/9	1/10	1/11	1/12	each.
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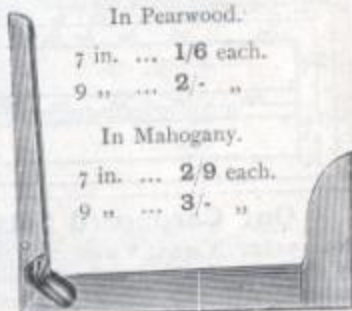
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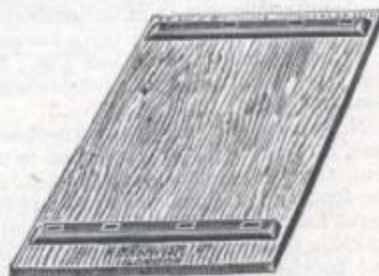
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" 22 x 17 "	...	...	...	...	...	3/- "
" 28 x 19 "	...	...	...	...	...	4/- "
" 31 x 23 "	...	...	...	...	...	5/6 "

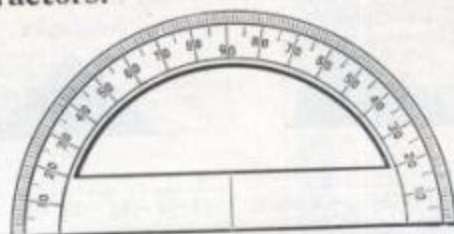
No. 1310W.

No. 1311W.—Best Handmade Drawing Paper, Imperial (31 x 22 in.) ... 1/5 per Sheet.  
No. 1312W.—Cartridge Paper, Finest Quality ... 1/12 per Sheet; 3/- per Quire.

**Bronze Medal, 1884.—Gold Medal, 1890.**



# Semi-circular Protractors.



No. 1313W. Transparent Celluloid :

4 1/4	4 3/4	5 1/4	6 in. diam.
-/4	-/6	-/7	-/8 each.
4 in., extra thick, bevelled edge, engraved divisions :			
4	5	6 in.	
-/6	-/9	1/- each.	

No. 1314W. Brass, good quality, 3 1/2 in., -/3 each ; 2/9 doz.  
Stouter make, ditto, bevelled, -/7 each.

## Ebony Parallel Rules.

No. 1316W.  
Best make only.



6	9	12	15	18 in.
-/5	1/-	1/6	2/-	2/6 each.

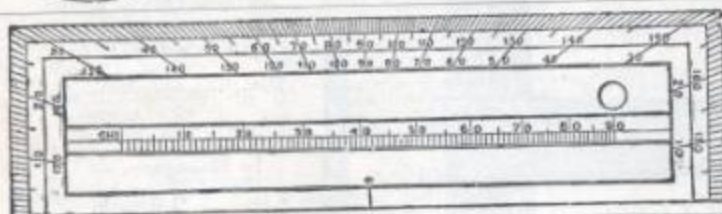


## Full Circle Protractors.

No. 1315W.

Transparent Celluloid.

5	6	8	10 in.
1/6	1/10	3/6	6/- each.



## Our Cardboard Sets of Scales.

No. 1318W. A set of 8 stout cardboard slip rules, fully divided on both edges, and forming 16 scales, suitable for architects, engineers, technical students, etc., in cardboard case ... -/6 each.

No. 1319W. The Draughtsman's set of cardboard rules, sized and varnished, in neat case, containing the following 12-in. scales : (A) full and half size, and line of chords ; (B) 4-in. and 2-in. ; (C) 3-in. and 1 1/2 in. ; (D) 1-in. and 1/2 in. ; (E) 3/4 in. and 3/8 in. ; (F) 1/2 in. and 1/4 in. ; (G) 1/4 in. and 1/8 in. ; (H) 1/8 in. and 1/16 in. ... 1/- "

No. 1320W. Set of 8 12-in. cardboard scales in case, comprising (J) 1/2 in. and 1/4 in. to the foot ; (K) 3/8 in. and 3/16 in. to the foot ; (L) 3/4 in. and 1-in. to the foot, and diagonal lines ; (M) 1 1/2 in. and 2-in. to the foot, and scale of chords (2 sizes) ; (N) 10 and 20 chain scale ; (O) 30 and 40 chain scale ; (P) 50 and 60 chain scale ; (Q) inches into 1/16ths, metric scale and metric diagonal lines. Scales J, K, L and M have the unit decimally divided ... -/6 "

No. 1321W. Ditto, varnished, in neat cardboard case ... 1/- "

These Scales are to meet the needs of Students in Practical Geometry, and Mechanical Drawing Classes, where the Syllabus of the Board of Education is followed.

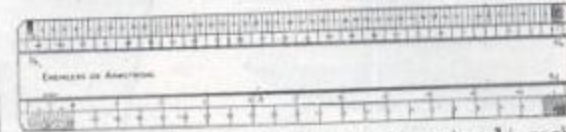
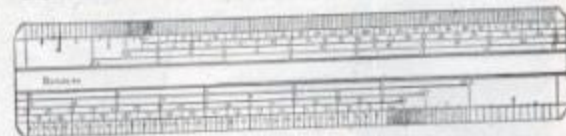
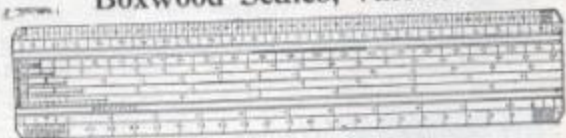
"Professor PERRY and his colleagues demand a greater knowledge of the Decimal System."

## School Protractor.

No. 1317W.

6 in. Boxwood, "Pupil's Own" ...	-/6 each.
6 " " divided 4 scales ...	-/8 "
6 " " " 8 " ...	-/10 "

## Boxwood Scales, various.



No. 1322W. 12 in. Draughtsman's, oval section 1/- each.

No. 1323W. 12 " Universal or Builder's, oval top ... 1/- "

No. 1324W. 12 " Architect's, bevelled, flat section ... 1/- "

No. 1325W. 12 " Armstrong or Engineer's, oval section, 8 scales ... 1/- "

No. 1326W. 12 " Engineer's, oval section, fully divided, 4 scales ... 2/3 "

Tool, Machine, and Hardware Merchants and Manufacturers.

### Drawing Instruments.

### Single Compasses.



No.	Description	4	5	6	7	8	in. each.
No. 1327W.	Ordinary Compasses, Riveted, Brass ... ..	-/6	-/7	-/8	—	—	
" 1328W.	" " " Electrum ... ..	—	—	—	1/3	2/3	"
" 1329W.	Steel Jointed, Best Make, Electrum ... ..	1/10	2/-	2/2	—	—	"

### Half Sets of Drawing Instruments.



		With Points to Hold Needles.				4	5	6 in.
No. 1330w.	With Plain Points and Bar, Brass	...	...	...	...	1/4	1/7	1/10 each.
" 1331w.	Needle-pointed, as illustration, V Bar, Brass	...	...	...	...	1/7	1/9	2/- "
" 1332w.	With Needle Points and Steel Joints, Brass	...	...	...	...	3/3	4/-	4/3 "
" 1333w.	" " " " Electrum	...	...	...	...	4/6	5/-	6 - "

**Helix-Fowkes Patent Safety Point Compass.**

Takes any size Pencil. When fixed the pencil is absolutely immovable. Most reliable for fine work. Point always sharp and ready for use. Easily adjusted. May be carried in the pocket without danger.



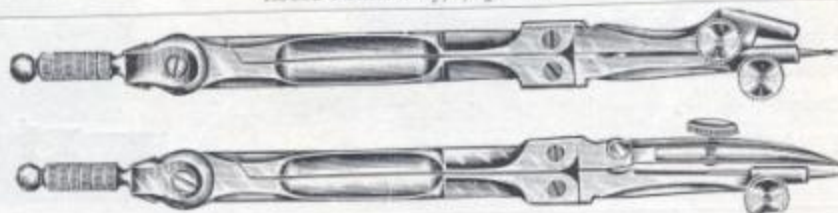
No. 1334W.	Brass, as illustrated...	3½	4½	in.
"	"	-6	-8	each.
"	With Bow Top	-7	1/2	"
"	"	Loose Points only, -1½ each.		

### Electrum Bow Compasses.

Specially Suitable for Technical Colleges.

No. 1335W. Bow Pencil, 4½ in. double  
Knee Joints, Movable Needle Points,  
Steel Joints ... .. 2/9 each.

No. 1336W. Bow Pen, ditto, ditto.  
2/9 each.



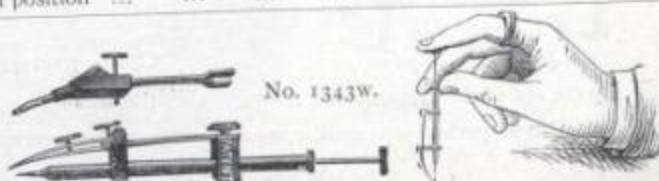
### Drawing Pens.

No. 1337w.	Bone Handle, Brass Mount	4 in., -/5 each ;	5 in., -/6 each.
" 1338w.	" " with Pricker	4 in., -/6 each ;	5 " -/10 "
" 1339w.	Ivory Handle, Electrum Mount...	4 in., -/6 each ;	5 " 2/- "
" 1340w.	Best finished Electrum, Square Handle, with improved steel upper Hinged Nib, 4½ and 6 in.		3/- "
" 1341w.	Bone Handle, Nickel Mount, Hinged Nib, 4½, 5, or 5½ in.		1/3 "
" 1342w.	Drawing Pen with Cross (X) Joint. By pressing against back Nib this becomes loose and can easily be cleaned and reset to old position		2/- "

### Rotating Compasses.

The centre point remains stationary whilst the pen or pencil is gently guided round by the small knob at upper end of the tube. By these means the most minute circles can be drawn quickly and neatly.

In Electrum, complete with pen, pencil points, and box of leads in case, price **6/6** each.



No. 1343W.

Orders of 20/- and upwards Carriage Paid (with few exceptions).



# Folding Compasses.

No.	Description	For pocket use.
No. 1344W.	Folding Divider, 4 in. when open, needle-pointed	Brass. 1/3 Electrum. 1/7 each.
No. 1345W.	Folding Compass, with fixed pencil leg, needle-pointed	1/3 1/7 "
" 1346W.	Folding Compass, with fitted pen leg, needle-pointed	1/3 1/7 "



# Blackboard Compasses.

No. 1347W.



	Hardwood.	Brass.
12 in. ...	2/- each.	12 in. ... 3/- each.
16 " ...	2/6 "	16 " ... 3/6 "
18 " ...	2/9 "	18 " ... 4/6 "

No. 1350W.

# Proportional Compasses.



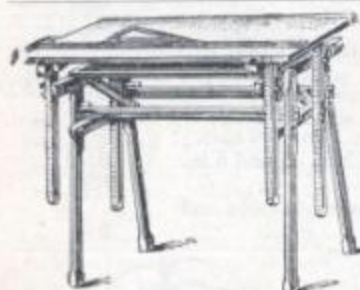
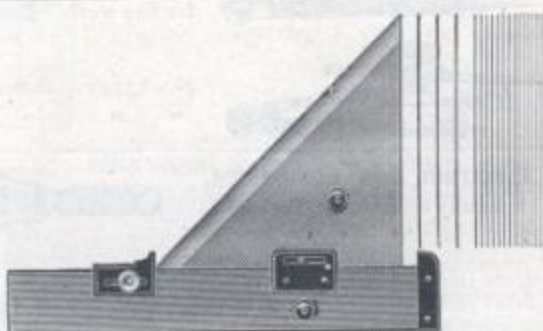
No.	Description	Brass.	Electrum.
No. 1348W.	6 in. Partly divided	4/6	5/6 each.
No. 1349W.	6 " With English Engraved Divisions	12/-	15/- "
No. 1350W.	6 " With Rack Adjustment (as shown), partly English divided	16/-	17/- "
No. 1351W.	6 " With Rack Adjustment and full English divisions	17/-	20/- "

# A True Section Liner.

No. 1352W.

Price ... 2/- each.

This Instrument overcomes the difficulty and tedium of drawing with accuracy a succession of lines close together at regular distances apart and parallel. It is invaluable for hatching and cross-hatching sections, plans, and elevations. It can be easily adjusted to give small or large spacings.



No. 1353W.

# Portable Trestle Table for Draughtsmen.

Made of Hard Beechwood, Slightly Polished.

Fitted with Sliding Tray.

Price ... 30/-

Suitable for Double Elephant or Antiquarian size Drawing Boards.

Can be put together in five minutes.

WHEN IN USE.

By the aid of the thumbscrews and scales on the supports, any angle can be secured without the least difficulty.

Can be packed into small compass, and being comparatively light can be carried without any exertion.

When in use this Trestle is absolutely rigid.



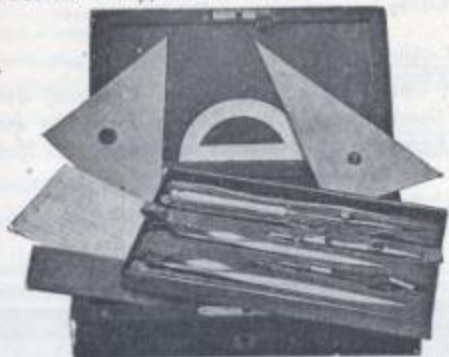
CLOSED.

A large and varied Stock of Engineers' Tools and Motor Accessories.

**Set in Rosewood Lock Case.**

With Movable Tray, and fitted with Scales and Angles.

No.  
1354W.



Containing 5-in. Compass, Divider, Pen and Pencil Points, Bar, Ruling Pen, Half-circle Protractor, Plotting Scale, Angles, and Pencil Holder ... 4/6 each.  
No. 1355W. Pocket Cases with seven pieces... 2/6 "

**Set in Rosewood Lock Case.**

With Movable Tray, and fitted with Needle-pointed Instruments.

No.  
1356W.



Containing 5-in. Needle-pointed Compass, Pen and Pencil Points, Bar, Divider, Bow Compass set of three Points, Ruling Pen, Half-circle Protractor, Parallel Rule, Scale, and Angles ... 6/6 each.

**Set in Rosewood Lock Case.**

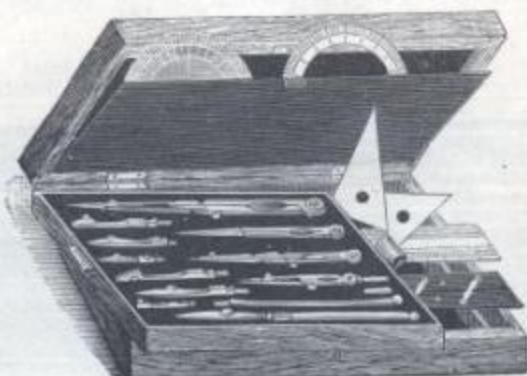
No.  
1357W.



Containing 6-in. Needle-pointed Compass, Pen and Pencil Points, Bar, 4-in. Compass, Pen and Pencil Points, Bow Compass set of three Points, Divider, Proportional Compass, Ruling Pen, two Protractors, Rule, Scale, and Angles. -  
In Brass ... 14/6  
In German Silver and higher finish 21/-

**Set in Rosewood Lock Case.**

No. 1358W.



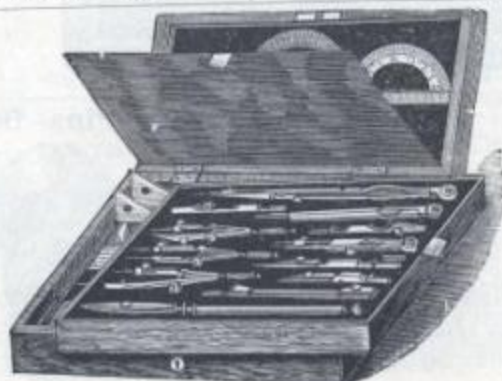
Containing 6-in. Compass, Pen and Pencil Points, Bar, 4-in. Compass Pen and Pencil Points, Bow Compass set of three Points, Divider, Ivory Ruling Pen, two Protractors, Parallel Rule, Scale, and Angles.

In Brass ... 10/6  
In German Silver and superior finish 16/6

No. 1359W.

**Set in Dovetailed Mahogany Oval-Top Lock Case.**

With Movable Tray, and containing the following Round-pointed, Needle-pointed Instruments:



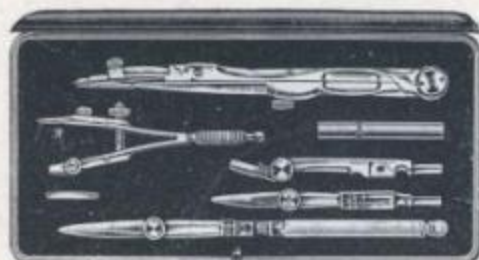
6-in. Compass, Pen and Pencil Points, Bar, 4-in. Compass, Pen and Pencil Points, Divider, three superior Needle-pointed (Spring Bows (Divider, Pen, and Pencil), Ivory Pen, two Protractors, Parallel, Scale, and Angles.

In Brass ... 21/-  
In German Silver ... 25/6

**Contractors to the Home, Indian, and Colonial Governments.**



## Pocket Cases of Electrum Instruments.



No. 1360W.

Cloth-Covered, Rod Fastening.

Case  $6\frac{1}{2}$  in.  $\times$   $3\frac{1}{2}$  in., containing 5 in. Electrum Compass, with one knee joint movable Needle Point, Pen and Pencil Legs, Nut and Bolt Spring Bow Pencil, Ruling Pen (both pens with hinged lids), case of Leads and Compass Key.

Price ... .. 7/9 each.

This set may be had in Flap Case at 1/6 extra.

No. 1361W.

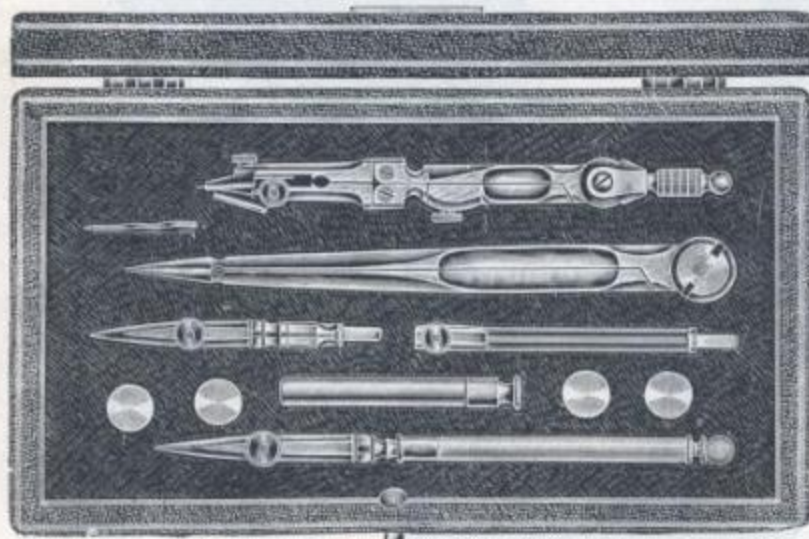
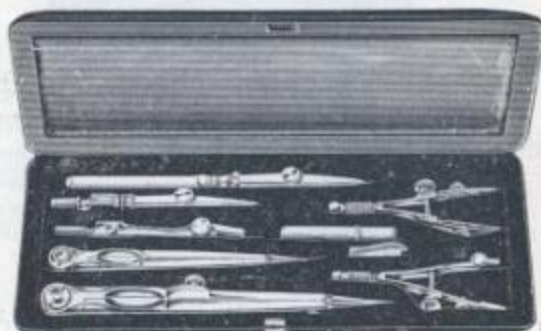
Pocket Case.

$7\frac{1}{2}$  in.  $\times$  4 in. with Name Plate.

Containing 5 in. Electrum Compass with round points,  $4\frac{1}{2}$  in. Dividers, Pen and Pencil Legs, Spring Bow Pen and Pencil with bolt and nut adjustment, Ruling Pen and case of Leads.

Price ... .. 12/-

This set may be had in Flap Case, 1/3 extra.



No. 1362W.

Set for Technical Students.

In neat Leather Snap Case. Consisting of double-jointed needle-pointed Bow Compasses, with Pen and Pencil Points and Lengthening Bar, Divider, Hinged Pen Point and Ruling Pen, case for Reserve Leads and Needles, Drawing Pins and compass key, all steel-jointed Electrum instruments.

7/9 per set.

Special value.

### One Piece Metal Drawing Pins.



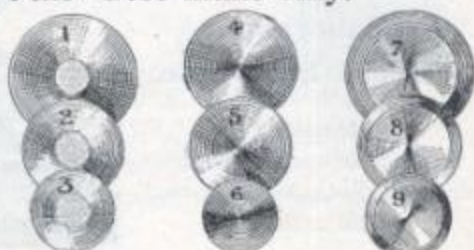
No. 1363W.

$\frac{3}{16}$   $\frac{7}{16}$   $\frac{9}{16}$  in. dia.  
-/8 -/9 -/10 doz.

### Brass Drawing Pins—Best make only.

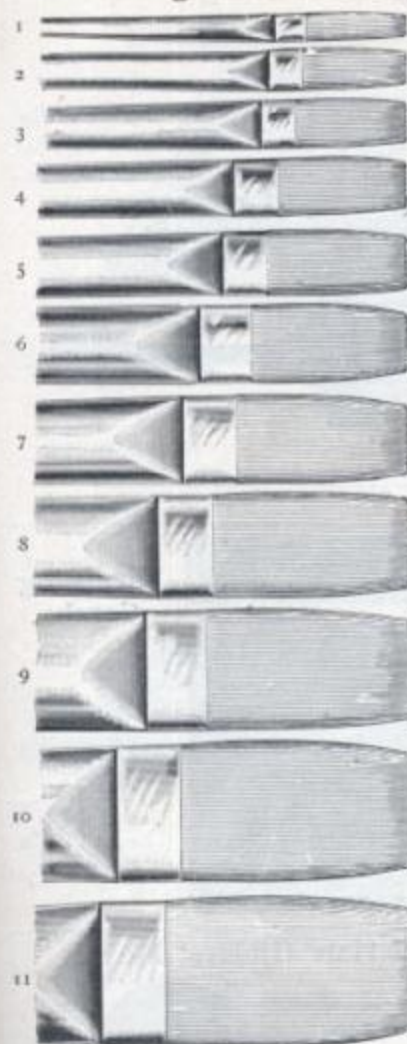
No. 1364W.

No.	1	2	3	4	
	-/10	-/9	-/8	1/3 doz.	
	5	6	7	8	9
	-/10	-/6	-/8	-/7	-/5 doz.
No.	1365w.	Best of All pattern :			
	Full size.	Medium.	Small.		
	-/6	-/5	-/5 doz.		



Bronze Medal, 1884.—Gold Medal, 1890.

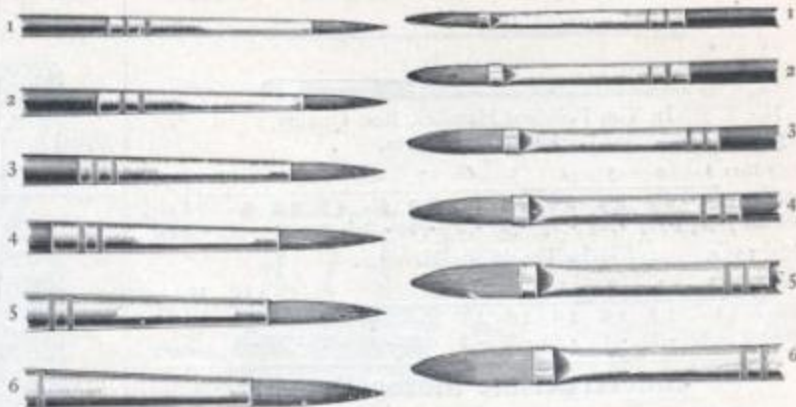
No. 1366w. **Hog Hair Brushes.**



Series AF (flat), AR (round).  
Finest Lyons Bristles. Polished Yellow  
Handles.

Size No. 00 ...	1/5 ea.	Size No. 6 ...	1/7 ea.
" 0 ...	1/5 "	" 7 ...	1/8 "
" 1 ...	1/5 "	" 8 ...	1/10 "
" 2 ...	1/5 "	" 9 ...	1/10 "
" 3 ...	1/6 "	" 10 ...	1/12 "
" 4 ...	1/6 "	" 11 ...	1/4 "
" 5 ...	1/7 "	" 12 ...	1/6 "

No. 1367w. **Artists' Sable Brushes.**



Series B. Finest red sable for water colour. Walnut handles.

	C.	"	"	oil	"	"	"	"	"	"	"	"	"	"	"
Sizes	...	00, 0, 1	2	3	4	5	6	7	8	9	10	11	12		
Flat	...	1/4	1/5	1/6	1/8	1/10	1/10	1/6	1/8	2/3	2/8	3/4	4/3	each.	
Round	...	1/4	1/5	1/6	1/8	1/10	1/10	1/6	2/8	2/8	3/4	4/3	5/6	"	

No. 1368w. **Finest Camel Hair Brushes.**

These Brushes are made from the finest selected Camel Hair, set in nickel ferrules on polished red-brown handles.

No. 1 ...	1/2 each; 2/- per doz.	No. 7 ...	1/3 each; 3/3 per doz.
" 2 ...	1/2 1/2 " 2/1 "	" 8 ...	1/4 " 4/- "
" 3 ...	1/2 1/2 " 2/2 "	" 9 ...	1/5 " 5/- "
" 4 ...	1/2 1/2 " 2/3 "	" 10 ...	1/6 " 6/- "
" 5 ...	1/2 1/2 " 2/4 "	" 11 ...	1/7 " 7/- "
" 6 ...	1/3 " 2/9 "	" 12 ...	1/8 " 8/- "

No. 1369w. **"Improved" Drawing Pencils.**

Polished. Natural Cedar. Boxed in 1/2 gross.



Degrees, viz. H, F, HB, B, 2B, 1B, 1/8 per gross; 1/8 per doz.; 1/2 each.

No. 1370w. Penny Series. Price 1/9 per doz.

**Special Quality Oval Pencils in Cedar.**

No. 1371w.

Engineers', length 7 in.

Price 7/6 per gross.



No. 1372w.

Carpenters', length 7 in.

Price 5/9 per gross.



**Tool, Machine, and Hardware Merchants and Manufacturers.**



**Hog Hair Fitches.**

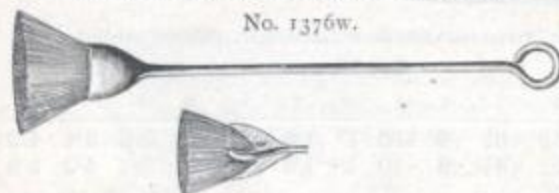
No.	In Tin, Polished Handles, Best Quality.											
1373W.	Extra Large Sizes.											
Numbers	1	2	3	4	5	6	7	8	9	10	11	12
Flat or	2 3	2 3	2 4	2 4	2 6	2 9	3 9	4 -	4 9	5 3	6 -	7 6 doz.
Round	-2 1/2	-2 1/2	-2 1/2	-2 1/2	-3	-3	-4	-5	-5	-6	-7	-8 ea.

No.	In Tin, White Handles.											
1374.												
Numbers	1	2	3	4	5	6	7	8	9	10	11	12
Flat or	1 -	1 2	1 3	1 4	1 6	1 7	2 -	2 3	2 8	3 3	3 9	4 3 doz.
Round	-1 1/2	-1 1/2	-1 1/2	-1 1/2	-2	-2	-2 1/2	-2 1/2	-3	-3 1/2	-4	-5 ea.

**Indestructible Motor Brush.**

No. 1376W.



These brushes are made to stand petrol and are highly recommended for motor cleaning, whitening tyres, etc. The hairs cannot come out as they are looped through, turned up, bound with wire and soldered.

No.	1	2	3	Length	13 in.
Price	-10	1/-	1/3	each.	

With long handle, 22 in., price 1/6 each.

**Bellamy's Graining Rollers.**

No. 1378W. For Oak, Mahogany, Maple, Satinwood, Birch, Walnut, Ash, etc.

Size	3	4	5	6 in.
Price	16/-	18/-	22/-	26/- ea.

**Gilder's Cushion.**

No. 1380W.

8 x 5 1/2 in.	...	1/6 each.
9 x 6 1/4 "	...	2/- "

No. 1383W.

Unwinds, trims both edges, or one only, or one fine and one rough, and re-winds the roll at one operation in 40 seconds.

For all widths of wall papers up to 22 in. Price 66/-.

**British Made Wall Paper Trimmers.**

No. 1384W.

For all widths of wall papers up to 30 in. Price 80/6 each.

Extra for attachment for trimming Relief Decorations as Lincrusta, Anaglypta, etc. Price 15/- each.

Each Machine is sent Carriage Free and packed in Stand Box.

**Hog Hair Lining Tools.**

No. 1375W. In Tin.

Size	...	1/2	3/4	1	1 1/4	1 1/2	2 in.
Usual	3/6	4/3	6/-	7/6	8/9	11/-	14/- doz.
Thickness	-4	-4 1/2	-6 1/2	-8	-9	1/-	1/3 ea.

**Badger Softeners.**

No. 1377W.



Size	2 1/2	3	3 1/2	4	4 1/2 in.
Price	6/-	7/6	9/-	10/6	13/6 each.

**Graining Combs.**

No. 1379W.

Price 2/3  
per set of  
12 in  
Tin Case.

Loose Combs,  
-1/12 per in.

**Camel Hair Gilders' Mops.**

No. 1381W.

Nos.	1	2	3	4	5	6	7
Price	-6	-7	-8	-10	-11	1/1	1/4 each.

**Gilder's Knife.**

No. 1382W.

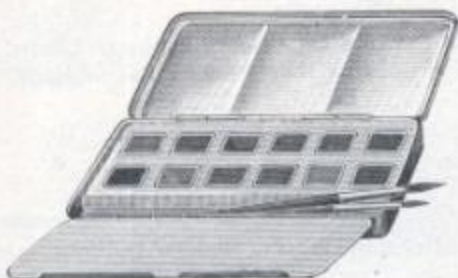


Price -10 each.

**Orders of 20/- and upwards Carriage Paid (with few exceptions).**

## Students' Water Colours.

In Superior Japanned Tin Boxes.



No. 1385w.

Contains 12 Metal Pans of Water Colours and 2 Camel Hair Brushes.

Price complete ... .. 10/-

No. 1386w.

Contains 10 China Pans of Water Colours, and 1 Camel Hair Brush.

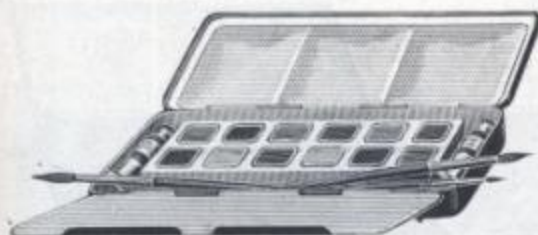
Price complete,  
2/2



No. 1387w.

Contains 12 China Pans and 2 small Tubes of Water Colours, and 2 Camel Hair Brushes.

Price complete,  
3/-



No. 1388w.

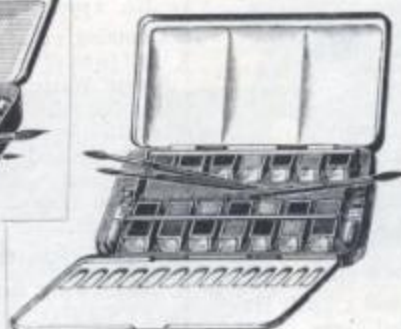
Contains 12 Metal Pans and 2 small Tubes of Water Colours, and 3 Camel Hair Brushes.

Price complete ... .. 1/4

No. 1389w.

Contains 16 Metal Pans and 2 small Tubes of Water Colours, and 3 Camel Hair Brushes.

Price complete ... .. 1/9



No. 1390w.

Contains 21 China Pans and 2 small Tubes of Water Colours, and 3 Camel Hair Brushes.

Price complete,  
4/4

No. 1391w.

Contains 28 China Pans and 2 small Tubes of Water Colours, and 3 Camel Hair Brushes.

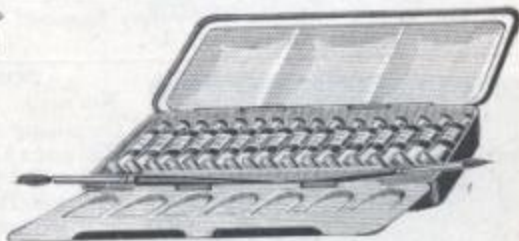
Price complete,  
6/6



No. 1392w.

Contains 21 Metal Pans and 2 small Tubes of Water Colours, and 3 Camel Hair Brushes.

Price complete ... .. 2/2



No. 1393w.

Contains 8 Half-Tubes of Water Colours and 1 Camel Hair Brush. Price complete ... .. 1/4

No. 1394w.

Contains 12 Half-Tubes of Water Colours and 1 Camel Hair Brush. Price complete ... .. 1/9

No. 1395w.

Contains 16 Half-Tubes of Water Colours and 2 Camel Hair Brushes, as illustrated. Price complete ... .. 2/2

**A large and varied Stock of Engineers' Tools and Motor Accessories.**



## Students' Walnut-wood Boxes for Oil Painting.

Polished Boxes. Leather Handles. Mahogany Palettes.

No. 1396W.

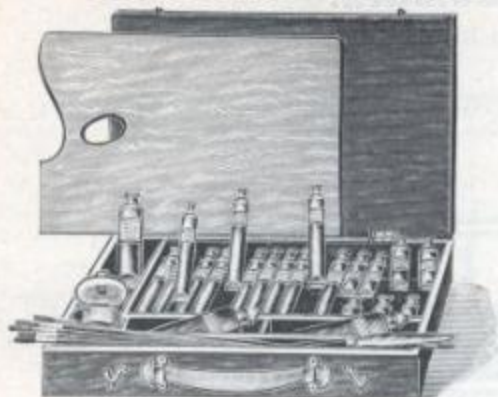
Fitted with 12 tubes of Students' Oil Colours, bottles of Linseed Oil and Turpentine, Dipper, 6 Hog Hair Brushes, Palette Knife, and Palette.

Complete	...	...	...	...	...	10/-
Empty, with Palette	...	...	...	...	...	6/-

No. 1397W.

Fitted with 1 double and 19 single tubes of Students' Oil Colours, large bottles of Linseed Oil and Turpentine, 7 Hog Hair Brushes, Covered Dipper, Palette Knife, Rag, and Palette.

Complete	...	...	...	...	...	15/-
Empty, with Palette	...	...	...	...	...	8/6



No. 1397W. (13½ in. x 9 in.)

## Japanned Boxes fitted with Artists' Oil and Water Colours.

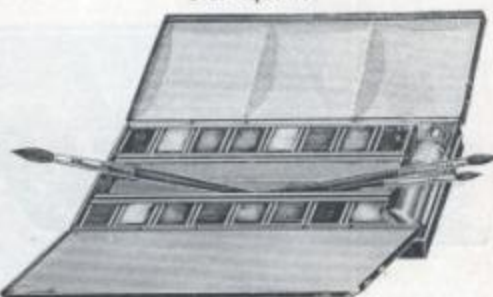
### Sketching Box.

No. 1399.

Contains 12 half-pans of Artists' Water Colours, tube of white, one real Sable and one real Siberian Hair Brush.

Price ... 5/-

No. 1400W.



### Sketching Box (illustrated).

No. 1400W.

Contains 16 half-pans of Artists' Water Colours, tube of white, two real Sable and one real Siberian Hair Brushes.

Price ... 7/6

### Sketching Box.

No. 1401W.

Contains 20 half-pans of Artists' Water Colours, tube of white, two real Sable and one real Siberian Hair Brushes.

Price ... 10/6



No. 1398W. (12½ in. x 6 in.)

Containing Palette, 8 Hog Hair and 3 Fitch Hair Brushes, japanned bottles of Oil and Turps, Palette Knife, Dipper, 1 double and 14 single tubes of Artists' Oil Colours.

Complete ... 20/-

The Box empty, including two empty Japanned Bottles, 8/6; Palette, 1/-.

### Studio Box.

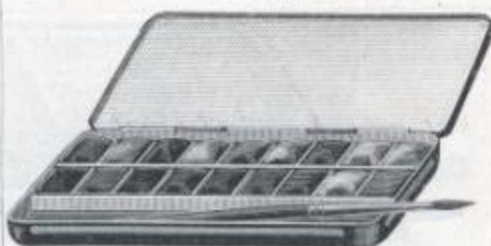
No. 1402. (12½ in. x 8½ in.)

Containing Palette, 10 Hog Hair and 2 Fitch Hair Brushes, Badger Hair Softener, japanned bottles of Turps, Linseed Oil, Drying Oil, and Mastic Varnish, Palette Knife, Double Dipper, 6 double and 21 single tubes of Artists' Oil Colours.

Complete, 42/-  
Box, with four empty Japanned Bottles, 17/8  
Palette only, 1/2



No. 1403W.



### The "Gem" Colour Box.

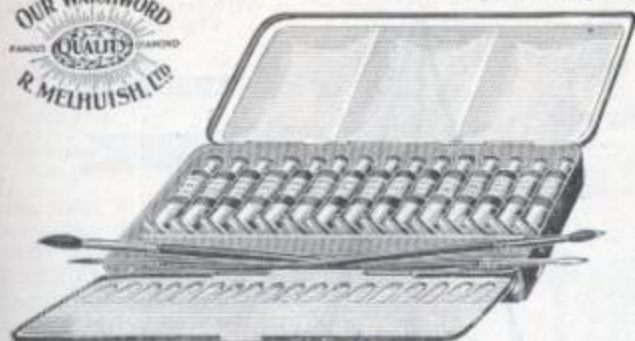
A diminutive Pocket Box of Artists' Water Colours. Contains 18 colours and sable Brush, size No. 5.

Price ... 5/-

N.B.—Other Artists' Boxes at all prices from 5/- to £6 : 6 : 0 obtained to order.

**Contractors to the Home, Indian, and Colonial Governments.**

**Students' Water Colours.**  
In Superior Japanned Tin Boxes.



No. 1404W. Contains 15 whole Tubes of Water Colours and 4 Camel Hair Brushes.

Price complete ... 4/4



No. 1405W.

Contains 12 whole Tubes of Water Colours, China Divided Palette, Water Cup, and 3 Camel Hair Brushes.  
Price complete ... 5/3

No. 1406W.

Contains 20 whole Tubes of Water Colours, Japanned Palette, and 4 Camel Hair Brushes.

Price complete ... 9/2

**Mahogany Palettes for Oil Painting.**



No. 1407W.

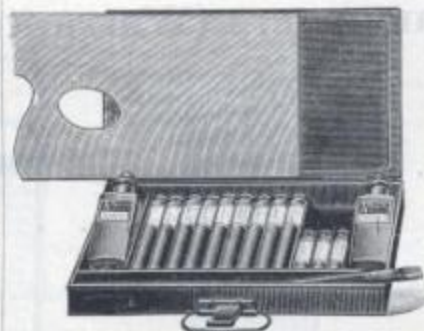


No. 1408W.

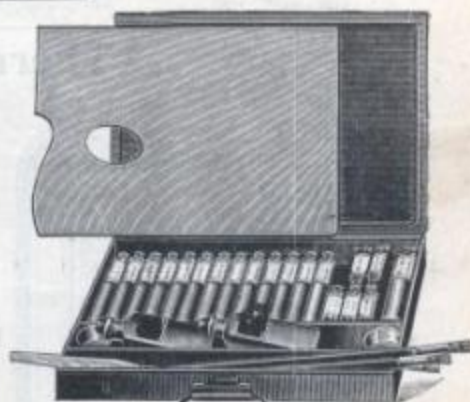
Length.	No. 1407W.	No. 1408W.
7 in. ... each	-/8	-/11
8 " " "	-/9	1/-
9 " " "	-/10	1/2
10 " " "	-/11	1/3
11 " " "	1/-	1/4
12 " " "	1/2	1/6

**Japanned Boxes for Oil Painting.**

Fitted with Students' Colours.



No. 1410W.  
(9½ x 5½ in.)



No. 1412W.  
(10½ x 7½ in.)

No. 1409W.	No. 1410W.	No. 1411W.	No. 1412W.	No. 1413W.
<b>Pocket Sketching Box.</b>	<b>Sketching Box.</b>	<b>Sketching Box.</b>	<b>Sketching Box.</b>	<b>Sketching Box.</b>
Containing Palette, 2 Brushes, and 12 Tubes Students' Oil Colours.	Containing Palette, 2 Brushes, Bottles of Oils and Turps, and 12 Students' Oil Colours.	Containing Palette, 2 Brushes, Bottles of Oils and Turps, Dipper, and 16 Students' Oil Colours.	Containing Palette, 4 Artists' Brushes, Bottles of Oils and Turps, 2 Dippers, Palette Knife, 1 Double and 18 Single Tubes of Students' Oil Colours.	Containing Palette, 9 Artists' Brushes, Bottles of Linseed Oil, Turps and Drying Oil, Dipper, Palette Knife, 2 Double and 18 Single Tubes of Students' Oil Colours.
Complete ... 3/-	Complete ... 4/4	Complete ... 6/6	Complete ... 9/2	Complete ... 13/-
The Box empty 1/6	The Box empty 2/4	The Box empty 3/9	The Box empty 4/6	The Box empty 6/4
Palette only ... -/6	Palette only ... -/7	Palette only ... -/9	Palette only ... -/10	Palette only ... 1/2

Important to those ordering through Shippers. In order to ensure entire satisfaction we advise our friends to be careful in giving definite instructions that the goods shall be procured direct from our house. By these means they may be sure of receiving the pattern and quality specified in our Catalogues.

R. MELHUISH, Ltd., LONDON, E.C.

**Bronze Medal, 1884.—Gold Medal 1890.**



## Sketching Easels and Stools.

- No. 1414W. Deal Easel, 4 ft. high, with folding legs, wire pegs and tray ... 2/4  
 " 1415W. Stained Wood Easel, 4 ft. high, with folding legs, wire pegs and tray ... 4/-  
 " 1416W. Stained Wood Easel, 5 ft. 6 in. high, with folding legs, wire pegs, and tray ... 5/4  
 " 1417W. Polished Oak Easel, 4 ft. 6 in. high, with folding legs and tray. This easel is furnished with an entirely new hinged joint which requires no loose pegs or screws, and is as light and as rigid as this class of easel can be made ... 6/8

No. 1418W.



No. 1419W.



No. 1421W.



With Improved Leg Joint Clip (Protected).



This Easel is made of a light and strong wood, and stands 4 ft. 9 in. high. It has no loose pegs, being fitted with an improved clip attachment to the folding legs which is very simple and cannot get out of order; it has a tray, and the canvas is kept steady by means of a block sliding on one leg.

4/8 each.

- No. 1418W. 3 legs, fixed canvas seat, 21 in. or 24 in. 3/- each.  
 " 1419W. 4 legs, loose canvas seat, 21 in. or 24 in. 4/- "  
 " 1420W. 4 legs, loose webbing... 2/3 "

## Thermometers (Warranted).



No. 1422W.

Bevelled Boxwood, Spirit.

8 10 in.  
1/- 1/3 each.



No. 1423W.

Boxwood. Mercury, Enamelled Tube.

8 10 in.  
1/6 2/3 each.



No. 1424W.

Bevelled Porcelain.

8 10 in.  
3/- 4/- each.



No. 1425W.

Japanned Case, Mercury.

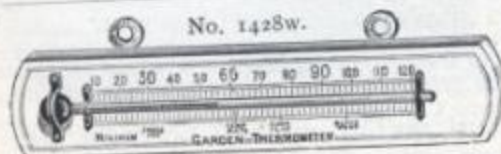
8 10 in.  
1/3 1/6 each.



No. 1426W.

Six's Self-Registering Maximum and Minimum, White Case, Zinc Scale, Enamelled Tube with Magnet.

8 10 in.  
4/6 8/6 each.



No. 1428W.

Best Boxwood Garden. Self-Registering, Enamelled Tube, Minimum.

8 10 in.  
1/6 2/- each.

No. 1427W. Copper Case, Mercury, Best Enamelled Tube.

8 10 in.  
26 3/- each.

The 8 in. have Ball Top and the 10 in. Cylinder Tubes.

Tool, Machine, and Hardware Merchants and Manufacturers.

# Artist's Water Colours. Best English Manufacture.

No. 1428w.

	Half Pans or Tubes.	Whole Pans or Tubes.		Half Pans or Tubes.	Whole Pans or Tubes.
*Alizarin Blue	each. 7/1	each. 1/-	Lamp Black	each. 5/8	each. 1/-
Alizarin Crimson; Permanent Crimson	7/1	1/-	Lemon Yellow Pale; Barium Yellow	7/1	1/-
Antwerp Blue; Cyanine Blue	5/8	7/8	*Lemon Yellow Deep	7/1	1/-
Aureolin; Cobalt Yellow	1/4	2/-	Light Red; Burnt Ochre; Mars Orange	5/8	7/8
Bistre	5/8	7/8	Mars Brown; Verona Brown	5/8	7/8
*Blue Black	5/8	7/8	Naples Yellow	5/8	7/8
Brown Madder	7/1	1/-	Neutral Tint	5/8	7/8
Brown Pink	5/8	7/8	New Blue; Pale Ultramarine	5/8	7/8
Burnt Sienna	5/8	7/8	Olive Green	5/8	7/8
Burnt Umber	5/8	7/8	Payne's Grey	5/8	7/8
Cadmium Extra Pale; Radiant Yellow	10/1	1/4	Permanent Blue; Deep Ultramarine	5/8	7/8
Cadmium Pale	10/1	1/4	Pink Madder; Madder Lake	10/1	1/4
Cadmium Middle	10/1	1/4	Prussian Blue; Chinese Blue	5/8	7/8
Cadmium Deep or Orange	10/1	1/4	Purple Lake; Burnt Lake	7/1	1/-
Carmine	10/1	1/4	Purple Madder	10/1	1/4
*Cerulean Blue; Cerin Blue	7/1	1/-	Raw Sienna	5/8	7/8
*Charcoal Grey	5/8	7/8	Raw Umber	5/8	7/8
Chinese White; Zinc White	5/8	7/8	*Roman Ochre; Mars Yellow	5/8	7/8
Chrome Yellow Pale	5/8	7/8	*Rose Doré	10/1	1/4
Chrome Yellow Middle	5/8	7/8	Rose Madder; Madder Carmine	10/1	1/4
Chrome Yellow Deep	5/8	7/8	*Rose Madder Deep	10/1	1/4
Chrome Orange	5/8	7/8	*Rubens Madder	10/1	1/4
Chromium Oxide Green	7/1	1/-	Sap Green; Olive Lake	5/8	7/8
Cobalt Blue	10/1	1/4	Scarlet Lake	7/1	1/-
Cobalt Green	10/1	1/4	*Scarlet Madder	10/1	1/4
Crimson Lake	7/1	1/-	Sepia	7/1	1/-
Emerald Green	5/8	7/8	Terre Verte; Verona Green	5/8	7/8
French Ultramarine; French Blue	5/8	7/8	Ultramarine Ash	10/1	1/4
Gamboge	5/8	7/8	Vandyke Brown; Cassel or Cologne Earth	5/8	7/8
Green Bice; Green Lake	5/8	7/8	Venetian Red	5/8	7/8
Hooker's Green Pale; Alizarin Green Pale	5/8	7/8	Vermilion Pale; Scarlet or Orange Shade	7/1	1/-
Hooker's Green Deep; Alizarin Green Middle	5/8	7/8	Vermilion Middle (ordinary shade)	5/8	7/8
Indian Red	5/8	7/8	Vermilion Deep; Chinese Vermilion	5/8	7/8
Indian Yellow	7/1	1/-	Viridian; Emerald Oxide of Chromium	7/1	1/-
Indigo	5/8	7/8	Warm Sepia	7/1	1/-
Italian Lake; Yellow Lake; Italian Pink	5/8	7/8	Yellow Ochre	5/8	7/8
Ivory Black	5/8	7/8			



Whole Tube.



Half Pan.

Colours marked \* are not made in cakes.

## Students' Water Colours.

No. 1429w.

Names of Colours.



Whole Tube.



China Pan.

Antwerp Blue.  
Brown Madder.  
Burnt Sienna.  
Burnt Umber.  
Cadmium Yellow.  
Carmine.  
Chinese White.  
Chrome Yellow Pale.  
Chrome Yellow Middle.  
Chrome Yellow Deep.  
Chrome Orange.  
Cobalt Blue.  
Crimson Lake.  
Emerald Green.  
Gamboge.  
Green Bice.  
Hooker's Green Pale.  
Hooker's Green Deep.  
Indian Red.  
Indian Yellow.  
Indigo.  
Ivory Black.

Lamp Black.  
Lemon Yellow.  
Light Red.  
Mauve.  
Naples Yellow.  
Neutral Tint.  
Olive Green.  
Payne's Grey.  
Prussian Blue.  
Purple Lake.  
Raw Sienna.  
Raw Umber.  
Rose Madder.  
Sap Green.  
Scarlet Lake.  
Sepia.  
Ultramarine.  
Vandyke Brown.  
Vermilion.  
Warm Sepia.  
Yellow Ochre.

Whole Tubes ... 1/9 doz.  
China Pans ... 1/4 doz.  
... 1/1 each.

## Waterproof Drawing Inks for Draughtsmen.

No. 1430w.



Blue Green.  
Brick Red.  
Burnt Sienna.  
Carmine.  
Cobalt Blue.  
Crimson Lake.  
Emerald Green.  
Fixed Indian Ink.  
Fixed Artists' Black.  
Indigo.  
Lemon.  
Neutral Tint.  
Olive Green.  
Orange.

Payne's Grey.  
Pink.  
Plum.  
Prussian Blue.  
Purple.  
Raw Sienna.  
Scarlet.  
Sepia.  
Ultramarine.  
Vandyke Brown.  
Vermilion.  
Violet.  
Yellow.  
Yellow Green.

In Large Bottles ... 10 each.  
In Small Bottle (illustrated) ... 6 "  
In 1-Pint Bottles ... 3 "  
In 1-Pint Bottles ... 5 6 "  
In Pint Bottles ... 10 "

Orders of 20/- and upwards Carriage Paid (with few exceptions).



## No. 1431W. Artists' Oil Colours.

In Ordinary 4 in. Tubes,  $-\frac{3}{4}$  each;  
 $\frac{3}{4}$  per doz. In Small Studio Tubes,  
 $-\frac{7}{9}$  each. In Studio Tubes,  $-\frac{9}{9}$  each. In  
Extra Studio Tubes,  $\frac{1}{6}$  each. In One  
Pound Tubes,  $\frac{3}{4}$  each—

Antwerp Blue; Cyanine Blue  
Bitumen; Asphaltum.  
Blue Black.  
Brown Pink.  
Burnt Sienna.  
Burnt Umber.  
Caledonian Brown.  
Charcoal Grey.  
Chrome Yellow Pale.  
Chrome Yellow Middle.  
Chrome Yellow Deep.  
Chrome Orange.  
Emerald Green.  
Indian Red; Mars Red.  
Indigo.  
Italian Lake; Yellow Lake; Italian Pink.  
Ivory Black.  
Lamp Black.  
Light Red; Burnt Ochre.  
Mars Brown.  
Medium.  
Mergilp.  
Naples Red.  
Naples Yellow Pale; French Naples Yellow.  
Naples Yellow Deep.  
Neutral Tint.  
Payne's Grey.  
Prussian Blue; Chinese Blue.  
Raw Sienna.  
Raw Umber.  
Roman Ochre; Brown Ochre; Mars Yellow.  
Siccative.  
Sugar of Lead.  
Terre Verte; Verona Green.  
Trans. Golden Ochre.  
Vandyke Brown; Cassel Earth; Cologne Earth.  
Venetian Red.  
Verona Brown.  
Yellow Ochre.  
Zinc White; Permanent White; Constant White.



2 in. Tube.



4 in. Tube.



Small Studio Tube.



Studio Tube.

## 2 in. Ordinary Tubes (continued).

Lemon Yellow Deep; Strontium Yellow.  
Vermilion Pale; Scarlet, Orange or Extract of Vermilion.  
Vermilion Middle (ordinary shade).  
Vermilion Deep; Chinese Vermilion.  
Viridian; Emerald or Transparent Chromium Oxide.

2 in. Ordinary Tubes,  $\frac{1}{6}$  each. Small Studio Tubes,  $\frac{3}{4}$  each. Studio Tubes,  $\frac{4}{6}$  each—

Cadmium Extra Pale; Radiant Yellow; Daffodil Yellow.  
Cadmium Pale.  
Cadmium Middle.  
Cadmium Deep; Cadmium Orange.  
Cobalt Blue.  
Cobalt Green.  
Indian Yellow.  
Pink Madder; Madder Lake.  
Rose Dore.  
Rose Madder; Madder Carmine.  
Rose Madder, Deep.  
Ultramarine Ash.

## FLAKE WHITE.

## Ordinary, Thin, or Stiff.

In Ordinary 4 in. Tubes,  $-\frac{3}{4}$  each;  $\frac{3}{4}$  doz.  
" Small Studio "  $-\frac{7}{9}$  "  
" Studio "  $-\frac{9}{9}$  "  
" Extra Studio "  $\frac{1}{2}$  "  
" One Pound "  $\frac{2}{4}$  "

2 in. Ordinary Tubes,  $-\frac{3}{4}$  each. Small Studio Tubes,  $\frac{1}{2}$  each. Studio Tubes,  $\frac{1}{6}$  each—

Alizarin Blue.  
Alizarin Crimson; Permanent Crimson.  
Alizarin Green Pale (Hooker's Pale Tint).  
Alizarin Green Middle (Hooker's Deep Tint).  
Alizarin Green Deep (Prussian Green Tint).  
Alizarin Yellow (Gamboge Tint).  
Brown Madder.  
Citron Yellow; Zinc Chrome.  
Crimson Lake.  
French Ultramarine; French Blue; Middle Ultra.  
Mars Violet.  
New Blue; Pale Ultramarine; Azure Blue.  
Olive Green.  
Permanent Blue; Deep Ultramarine.  
Purple Lake; Burnt Lake; Burnt Carmine.  
Purple Madder.  
Sap Green; Olive Lake.  
Scarlet Lake.  
Scarlet Madder.

2 in. Ordinary Tubes,  $-\frac{6}{6}$  each. Small Studio Tubes,  $\frac{1}{6}$  each. Studio Tubes,  $\frac{2}{3}$  each—

Carmine.  
Cerulean Blue; Cælin Blue.  
Chromium Oxide Green (opaque).  
Lemon Yellow Pale; Barium or Permanent Yellow (continued).

A large and varied Stock of Engineers' Tools and Motor Accessories.

## English-Made Tool Sets.

No. 1432W.

In Stout Cardboard Box.



Containing 7 Tools.

Size 15 x 4½ x 2 in.

Saw Gimlet Hammer  
Rule Bradawl Turncrew  
Chisel Booklet

Price ... 2/6 each.

No. 1433W.

In Stout Cardboard Box.



Containing 10 Tools.

Size 16 x 4½ x 2 in.

Saw File Bradawl  
Chisel Turncrew Rule  
Hammer Gimlets (2) Mallet  
Booklet

Price ... 3/6 each.

No. 1434W.

In Stout Cardboard Box.



Containing 13 Tools.

Size 16½ x 4½ x 2½ in.

Saw Bradawls (2) Mallet  
Chisel Hammer Pliers  
Turncrew File Nail Lifter  
Gimlets (2) Rule Booklet

Price ... 5/- each.

No. 1435W.

In Stout Cardboard Box.



Containing 16 Tools.

Size 18 x 5 x 2½ in.

Saw Rule Carpenter's  
Chisel File Pencil  
Turnscrews (2) Hammer Marking-  
Gimlets (2) Pliers Gauge  
Bradawls (2) Pliers Metal Plane  
Booklet

Price ... 7/6 each.

No. 1436W. In Strong Wood Chest.



Containing 19 Tools.

Size 19½ x 6 x 3½ in.

Saw Chisels (2) Pliers Rule  
Hammer Gouge File Bradawls (2)  
Metal Plane Gimlets (2) Marking Gauge Punch  
Spokeshave Pincers Turncrew Carpenter's Pencil  
Booklet

Price ... 10/6 each.

No. 1437W. In Strong Wood Chest.



Containing 22 Tools.

Size 22 x 8 x 4 in.

Handsaw Gouge Marking Gauge Carpenter's Pencil  
Hammer Gimlets (2) Turnscrews (2) Mallet  
Metal Plane Pincers Folding Rule Marking Awl  
Spokeshave Pliers Bradawls (2) Brad Punches  
Chisels (2) File Booklet

Price ... 15/- each.

No. 1438W. Set in Strong Wood Chest.

Containing 26 Tools.

Size 28 x 9 x 4 in.

Handsaw Spokeshave Pliers Bradawls (2) Glue Pot  
Backsaw Chisels (2) File Carpenter's Pencil Brush  
Metal Padsaw Gouge Marking Gauge Mallet Square  
Hammer Gimlets (2) Turnscrews (2) Marking Awl Nail  
Plane Pincers Folding Rule Brad Punches Booklet

Price ... 21/- each.



No. 1439W. Set in Strong Wood Chest.

Containing 34 Tools.

Size 28 x 9 x 5 in.

Handsaw Chisels (3) Marking Gauge Marking Awl Oil Stone  
Backsaw Gouges (2) Turnscrews (2) Brad Punches Brace  
Metal Padsaw Gimlets (2) Folding Rule Glue Pot Bits (3)  
Hammer Pincers Bradawls (2) Brush Nails  
Plane Pliers Carpenter's Pencil Square Booklet  
Spokeshave Files (2) Mallet

Price ... 30/- each.



No. 1440W. Set in Special Polished Oak Chest.

Chests made from well-seasoned Wood, ½ in. thick, beautifully polished and fitted with Strong Lock and Oxidized Copper Lifting Handles. An ideal present.

Containing 41 Tools.

Size 22 x 9½ x 5 in.

Handsaw Gimlets (2) Bradawls (2) Oil Stone  
Backsaw Pliers Carpenter's Pencil Brace  
Padsaw Pincers Mallet Bits (6)  
Hammer Files (2) Marking Awl Nail Lifter  
Plane Rasp Brad Punch Hatchet  
Spokeshave Marking Gauge Glue Pot Oil Can  
Chisels (3) Turnscrews (2) Brush Booklet  
Gouges (2) Folding Rule Square

Price ... 42/- each.



Contractors to the Home, Indian, and Colonial Governments.



## English Made Tool Sets.

No. 1441W. Set in Special Polished Oak Chest.

Containing 49 Tools. Size 28 x 10 x 6 in.

Handsaw	Pincers	Brad Punch
Backsaw	Files (2)	Glue Pot
Pad saw	Rasp	Brush
Hammer	Marking Gauge	Square
Jack Plane	Turnscrews (2)	Oil Stone
Smooth Plane	Folding Rule	Brace
Spokeshave	Spirit Level	Bright Bits (12)
Chisels (3)	Bradawls (2)	Nail Lifter
Gauges (2)	Carpenter's Pencil	Hatchet
Gimlets (2)	Mallet	Oil Can
Pliers	Marking Awl	Booklet

Price ... .. 63/-



No. 1442W.

Set in Special Polished Oak Chest.

The Tools in this Set are of absolutely the highest quality obtainable, and every one bears our full warranty. It would be possible to give many more tools for the same money, but we have preferred to make quality, not quantity, our guide in selecting. Every practical user of tools will appreciate this.

Containing 60 Tools. Size 32 x 11 x 7 1/2 in.



Handsaw	Marking Gauge	Square
Backsaw	Turnscrews (2)	Oil Stone
Hammers (2)	Rule	Files (2)
Smooth Plane	Bradawls (3)	Rasp
Jack Plane	Pad saw and Blades (4)	Brace and Bits (12)
Spokeshave	Nail Lifter	Hatchet
Chisels (6)	Oil Can	Spirit Level
Gauges (3)	Mallet	Carpenter's Pencil
Gimlets (3)	Marking Awl	Nails
Pincers	Brad Punch	Booklet
Pliers (combination)	Glue Pot and Brush	

Price ... .. 84/-

No. 1443W. Farmer's Set in Special Strong Chest.

Suitable for Estates, etc.

Size 28 x 11 x 5 1/2 in.

Comprising 32 Tools of First-class Quality, viz.—

26 in. Handsaw	8 in. Brace	No. 3 Farmer's Hammer
10 in. Backsaw	Bits (6)	10 in. Agricultural Wrench
2 ft. Two-Fold Rule	10 in. Files (2)	6 in. Box-Opening
7 1/2 in. Square	3 in. Gauge	Turnscrew
Bradawls (2)	1 in. and 1 1/2 in. Chisels	17 x 2 1/2 in. Jack Plane
Gimlets (2)	12 in. Cold Chisel	6 in. Bellhanger's Pliers
7 in. Pincers	Hunter's Hatchet	Spokeshave, 3 in. Blade
Oil Stone	8 in. Spirit Level	7 in. Aubert's Shears

Price ... .. £2 : 12 : 6



No. 1444W.

Emigrant's Tool Set in Strong Painted Deal Chest.

Size 33 x 16 x 15 1/2 in.

The Set comprises 80 Tools of First-class Quality.



1 1/2 lb. Handled Axe	8 in., 3 in., 2 in. Handled Firmer Gouges	8 in. Handled Wood Rasp
No. 1 Handled Adze	8 in. Tower Pincers	2 1/2 in. Spokeshave
24 in. Handsaw	6 in. Cutting Pliers	10 in. Drawing Knife
12 in. Tenon Saw	3 lb. and 1 1/2 lb. Handled Hammers	Ratchet Brace and 18 Bits
14 in. Compass Saw	8 in. Wing Compasses	Gimlets (6)
2 1/2 in. Jack Plane	10 in. Coach Wrench	Bradawls (6)
2 1/2 in. Smooth Plane	1 in., 1 1/4 in. Handled Screw Augers	5 1/2 in. Mallet
1 in. Square Rabbit Plane	7 in. London Screwdriver	Marking and Mortise Gauges
8 in. Grooving Planes (1 pair)	9 in. Rosewood Square	Marking Awl
3 in., 2 in., 1 in., 1 1/2 in. Handled Firmer Chisels	4 in. Cabinet Screwdriver	Nail Punch
3 in., 2 in., 1 1/2 in. Handled Mortise Chisels	8 in. Handled Flat File	Chalk Line and Reel
1 1/2 in., 1 1/4 in. Handled Socket Chisels	7 in. Handled Half-round File	Glue Pot and Brush
	4 1/2 in. Handled Saw File	2 ft. Two-Fold Brass Rule
		Stocked Oil Stone
		Oil Can
		7 in. x 1 in. Cold Chisel

Price for Empty Chest only ... £1 : 17 : 6

Price ... .. £7 : 10 : 0 Complete.

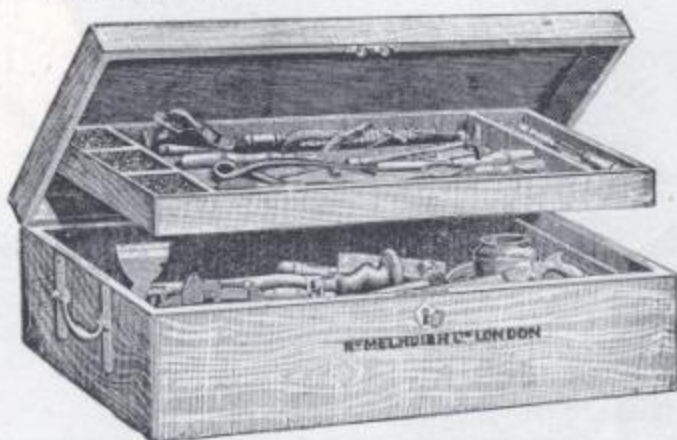
Bronze Medal, 1884.—Gold Medal, 1890.

## Presentation Tool Chests.

No. 1445W.

These are an entirely new thing in Oak Tool Chests, both as regards shape and contents, and are introduced as being specially suitable for presents, etc. They are elegantly polished and finished with good lock and brass handles, name plate, and all the Tools are of superior quality.

C.S. Hand Saw  
Steel Polled Hatchet  
Hammer  
2 ft. Boxwood Rule  
Best Tower Pincers  
4 C.S. Gimlets  
4 C.S. Bradawls  
4 C.S. Firmer Chisels  
2 C.S. Firmer Gouges  
Claw Wrench  
3 Files  
Cased Oilstone  
Marking Awl  
Nail Punch  
Cutting Punch



Marking Gauge  
Cutting Gauge  
Flat-nose Pliers  
C.S. Compasses  
C.S. Double Iron  
Smoothing Plane  
Fret Saw and Pad  
Polished Beechwood  
Mallet  
Furniture, etc.  
Drawing Knife  
2 Turnscrows  
Spokeshave  
Plated Square  
Glue Pot and Brush

Complete with Tools ... £3 : 2 : 6 | If Empty Chest only ... £1 : 10 : 0

## Special Presentation Tool Chest.

No. 1446W.

Made in highly polished Oak, with round corners, and fitted with brass edge and corner plates and inscription plate on cover. The Tools selected are all of the most superior quality and form. A very handsome and comprehensive outfit. Approximate size of Chest, 30 x 18 in. ; 16 in. deep.

OUR WATCHWORD  
QUALITY  
R. MELHUISE LTD

1 Disston's Hand Saw  
1 12 in. Disston's Brass Back Saw  
1 Pad Saw  
1 Turning Saw  
1 Hack Saw for Metal  
1 doz. Blades for same  
1 Saw Set  
2 Hammers  
1 Adjustable Steel Smooth Plane  
1 Steel Jack Plane  
1 1 1/2 in. Gun-metal Bullnose Plane, with steel face  
1 Nickel-plated Ratchet Brace  
1 Set 24 Straw-coloured Bits  
1 Patent Flat-bottomed Boring Bit, each 1/2, 3/4 in.  
1 Expansive Bit, 1/2 to 1 1/2 in.  
1 Hand Drill  
4 Bit Stock Drills for Metal, 1/2 to 3/8 in.  
1 Patent Bit Holder  
3 Mortise Chisels  
1 1 1/2 lb. Axe, bright finish

1 2 ft. Boxwood Rule, with Scales  
1 pair Lancashire Pincers  
12 Gimlets  
6 Bradawls  
6 Gouges, handled  
6 Bevelled-edge Chisels  
4 Wood Files, handled  
1 Oilstone  
Marking Awl  
3 Punches  
1 6 in. Ratchet Screwdriver  
1 Combination " "  
1 Patent Circular Spokeshave  
1 9 in. Plated Square  
1 7 1/2 in. Bevel  
1 pair Compasses  
1 each Marking, Cutting, and Mortise Gauge  
1 Copper Glue Pot and Brush  
1 Draw Knife  
1 Cabinet Scraper and Handle  
2 Riffle Files

1 G Cramp  
1 Set Carving Tools  
1 Set Sharpening Slips  
1 Tool Pad, with 10 Cutting and Small Boring Tools  
1 Ebony Spirit Level  
1 Mallet  
1 Adjustable Plumb Bob  
1 pair Combination Cutting Pliers  
1 pair each Flat and Round Nose ditto  
1 Nickel-plated Hand Vice  
1 Bench Anvil  
1 pair Bright Compound Lever Cutting Nippers  
1 pair Hand Shears for Cutting Metal, etc.  
1 pair Side Cutting Nippers  
1 Adjustable Spanner  
1 Steel Chipping Chisel  
1 Copper Oil Can  
1 Bench Vice  
1 Steel Calliper Gauge

We include an Assortment of Steel Pins, Brass and Iron Screws, various Brass Fittings, etc., so very useful in the house.

Price ... £16 : 16 : 0

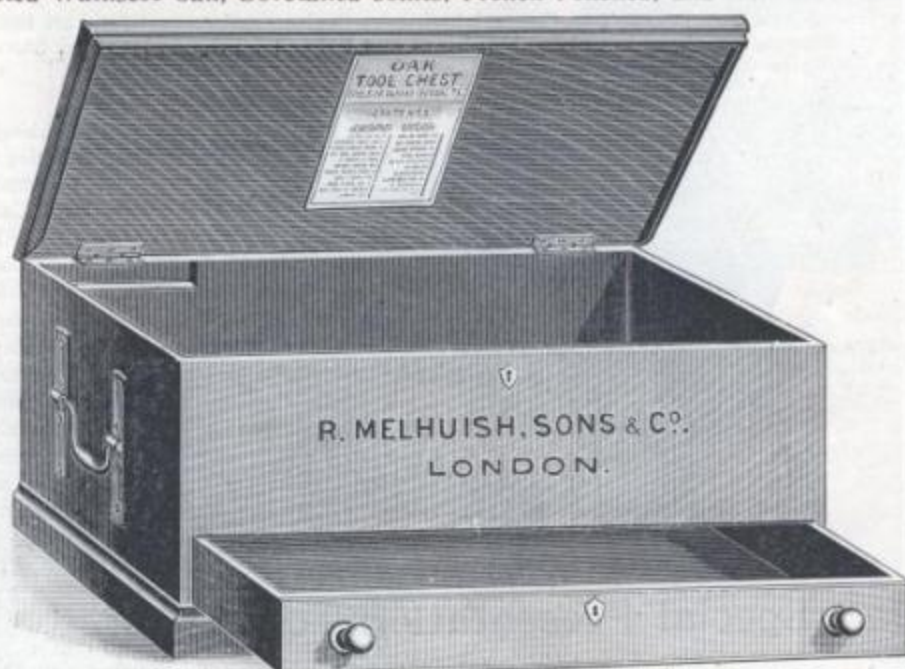
We also supply the same style of Chest with a smaller number of Tools, making them up to any given value, and shall be pleased to submit detailed estimates for same. Correspondence invited.  
Rd. MELHUISE, Ltd.

Tool, Machine, and Hardware Merchants and Manufacturers.



## Superior Oak Tool Chests.

Best selected Wainscot Oak, Dovetailed Joints, French Polished, and well finished throughout.



### Chest No. 1447W.

16 in. long, 8½ in. wide, and 4 in. deep.

Inner tray with divisions, brass folding handles, trimmings and chest lock, containing 23 Tools, viz. :-

Pincers	Square	Mallet
2 Gimlets	Claw Wrench	Rule
2 Bradawls	Furniture, etc.	3 Files
1 Chisel	C.S. Hand Saw	Oil Stones
Gouge	Hatchet	Marking Awl
Spokeshave	Hammer	Punch
	Turnscrew	

Complete, with Tools, 22/6  
Empty, 8/6

### Chest No. 1448W.

17 in. long, 9 in. wide, and 4½ in. deep.

Small inner tray with divisions, best brass folding handles, etc., and good chest lock, containing 28 Tools, viz. :-

C.S. Hand Saw	3 Bradawls	Spokeshave
Hatchet	2 Chisels	Square
Hammer	Gouge	Oil Stone
Mallet	3 Files	Claw Wrench
Rule	Marking Awl	Pliers
Pincers	Punch	Compasses
3 Gimlets	Turnscrew	Furniture, etc.

Complete, with Tools, 28/-  
Empty, 9/6

### Chest No. 1449W.

18 in. long, 10 in. wide, and 5 in. deep.

Well polished, and neatly finished, with inside tray, brass folding handles, and chest lock, containing 33 Tools, viz. :-

C.S. Hand Saw	Plane	3 Files
Hatchet	2 Turnscrews	Oil Stone
Hammer	Spokeshave	Square
Mallet	Saw Pad	Claw Wrench
Rule	3 Gimlets	Pliers
Pincers	3 Bradawls	Compasses
Marking Awl	3 Chisels	Furniture, etc.
Punch	2 Gouges	

Complete, with Tools, 35/6  
Empty, 11/6

### Chest No. 1450W.

19 in. long, 10½ in. wide, and 8 in. deep.

With outside drawers, and inside tray, brass strap handles, trimmings, and double link chest and drawer locks, containing 38 Tools, viz. :-

C.S. Hand Saw	Square	Marking Awl
Hatchet	Claw Wrench	Smoothing
Hammer	Pliers	Plane
Mallet	Compasses	Marking Gauge
Rule	4 Bradawls	Glue Pot and
4 Gimlets	4 Chisels	Brush
Pincers	2 Gouges	Furniture
2 Turnscrews	3 Files	Lock Saw
Spokeshave	Oil Stone	Punch

Complete, with Tools, 45/6  
Empty, 19/-

### Chest No. 1451W.

20 in. long, 11 in. wide, and 9 in. deep.

With outside drawer and inner tray with divisions, brass strap handles and trimmings, double link chest and drawer locks. A very useful sized Chest, containing 48 Tools of good quality, viz. :-

Best Hand Saw	Claw Wrench	Marking Awl
Axe	Pliers	Punch
Hammer	Compasses	2 Turnscrews
Mallet	Lock Saw	Marking Gauge
Rule	Smoothing	Glue Pot and
Pincers	Plane	Brush
5 Gimlets	5 Chisels	Drawing Knife
5 Bradawls	3 Gouges	Cutting Punch
2 Spokeshaves	4 Files	Scraper
Square	Oil Stone	Bevel
	Furniture, etc.	

Complete, with Tools, 57/6  
Empty, 21/-

### Chest No. 1452W.

21 in. long, 11½ in. wide, and 10 in. deep.

With one outside drawer and inner tray suitably divided, strong brass strap handles, furniture and double link chest and drawer locks, containing 57 Tools of warranted quality, viz. :-

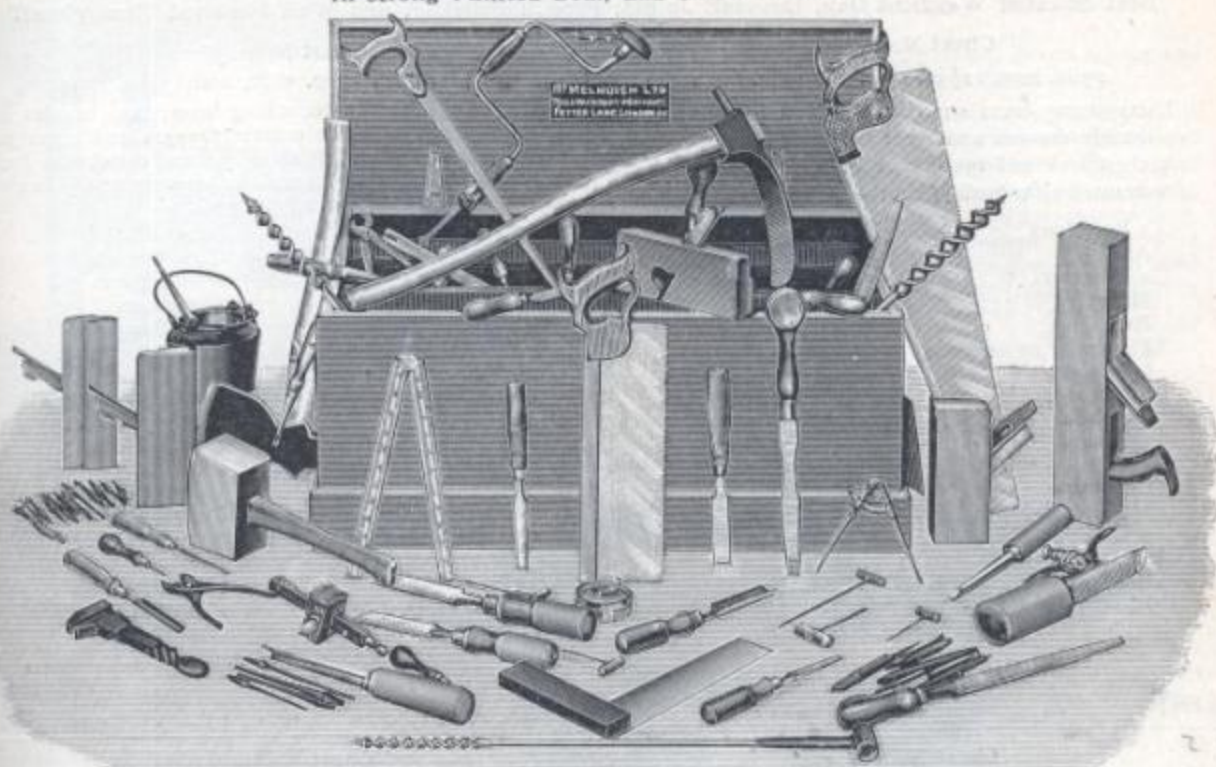
2 Best Saws	Compasses	3 Turnscrews
Axe	Lock Saw	2 Spokeshaves
2 Hammers	Smoothing	Marking Gauge
Mallet	Plane	Glue Pot and
Rule	Jack Plane	Brush
Pincers	6 Chisels	Drawing Knife
6 Gimlets	4 Gouges	Cutting Punch
6 Bradawls	4 Files	Scraper
Square	Oil Stone	Bevel
Claw Wrench	Marking Awl	Furniture, etc.
Pliers	2 Punches	

Complete, with Tools, 68/-  
Empty, 24/-

Orders of 20/- and upwards Carriage Paid (with few exceptions).

## The Emigrant's Tool Chest.

In strong Painted Deal, and Selected Tools.



Chest No. 1453W. Outside measurements, 34 x 17 x 17½ in.  
Contains 108 tools, viz.:-

1½ lb. Handled Axe	3 in. Round Blade Screwdriver
Handled Adze	9 " Rosewood Square
26 in. Hand Saw	7½ " " Bevel
12 " Tenon Saw	8 " Handled Flat File
14 " Compass Saw	7 " Half-Round File
2½ " Jack Plane	7 " Round File
2½ " Smoothing Plane	8 " Half-Round Rasp
2½ " Try Plane	4 " and 6 in. Taper Saw Files
1 " Rabbet Plane	3 " Spokeshave
1 pair ½ in. Grooving Planes	10 in. Drawing Knife
½ in. Bead Plane	Ratchet Brace and 30 Bits
Moving Fillister Plane	7 Gimlets
6, 6½, 7, 7½, 8, 8½ in. Handled Firmer Chisels	6 Bradawls
1, 1½, 1½ in. Handled Socket Chisels	2 Flooring Awls
½, ¾, 1 in. Handled Mortise Chisels	3½ in. Mallet
½ and 1½ lb. Handled Hammers	Marking and Mortise Gauges
8 in. Tower Pincers	Marking Awl
6 " Cutting Pliers	2 Nail Punches
8 " Wing Compasses	Chalk Line and Reel
10 " Coach Wrench	Glue Pot and Brush
2, 1, 1½ in. Handled Screw Augers	2 ft. 2-fold Brass Rule
5 and 8 in. London Screwdrivers	Stocked Oilstone
	Oil Can
	4 lb. Bench Vice
	6 x ½ and 8 x ½ in. Cold Chisels

Price ... .. £11 : 10 : 0  
Empty Chest only ... .. 2 : 2 : 0

Chest No. 1454W. Outside measurements 35 x 19 x 18½ in.  
Contains 136 tools, viz.:-

2 lb. Handled Axe	4 in. Round Blade Screwdriver
Handled Adze	9 " Rosewood Bevel
26 in. Hand Saw	6 and 12 in. Rosewood Squares
12 " Tenon Saw	5 " 8 in. Handled Flat Files
14 " Compass Saw	8 in. Half-Round File
2½ " Jack Plane	8 " Round File
2½ " Smoothing Plane	8 " Half-Round Rasp
2½ " Try Plane	4½ and 6 in. Saw Files
1 " Skew Rabbet Plane	2 " 3½ " Spokeshaves
½ and ¾ in. Bead Planes	10 in. Drawing Knife
Moving Fillister Plane	Ratchet Brace and 36 Bits
Plough Plane and 6 Irons	7 Gimlets
Set of 12 (½ to 1½ in.) Handled Firmer Chisels	7 Bradawls
Set of 6 (½ to 1½ in.) Handled Firmer Gouges	2 Flooring Awls
Set of 5 (½ to 1½ in.) Handled Socket Chisels	6 in. Mallet
Set of 3 (½ to 1½ in.) Handled Mortise Chisels	Marking and Mortise Gauges
½ lb. and 1½ lb. Handled Hammers	" Awl
8 in. Tower Pincers	2 Nail Punches
6½ " Flat-nose Cutting Pliers	Chalk Line and Reel
6 " Round-nose Pliers	Glue Pot and Brush
8 " Wing Compasses	2 ft. 2-fold Brass Rule
10 " Coach Wrench	Stocked Oilstone
½, 1, 1½ in. Handled Screw Augers	Oil Can
6 and 9 in. London Screwdrivers	4 lb. Bench Vice
	6 x ½ and 8 x ½ in. Cold Chisels
	12 in. Turning Saw Frame
	Keyhole Saw and Pad
	66 ft. Measuring Tape in Case

Price ... .. £15 : 7 : 6  
Empty Chest only ... .. 2 : 7 : 6

A large and varied stock of Engineers' Tools and Motor Accessories.



## Superior Oak Tool Chests.

Best Selected Wainscot Oak, Dovetail Joints, French Polished, and Well Finished Throughout.

### Chest No. 1455W.

23 in. long, 12½ in. wide, and 13 in. deep.

Extra strong brass strap handles, brass furniture, with two outside drawers and inner tray with divisions, double link chest lock and two drawer locks, containing 65 Tools of warranted extra quality, viz. :—

3 Best Saws	2 Spokeshaves
Axe	Square
2 Hammers	Claw Wrench
Mallet	2 Pairs Pliers
Rule	Compasses
Pincers	Lock Saw
6 Gimlets	Smoothing Plane
6 Bradawls	Jack Plane
6 Chisels	Cutting Gauge
4 Gouges	Marking Gauge
4 Files	Mortise Gauge
Oil Stone	Glue Pot and Brush
Marking Awl	Drawing Knife
3 Punches	Cutting Punch
3 Turnscrows	Scraper
Bed Key	Bevel
Hand Vice	Chalk Line Reel
	Furniture, etc.

Complete with Tools	...	...	...	...	92/6
Empty	...	...	...	...	35/-

### Chest No. 1457W.

25 in. long, 13½ in. wide, and 14½ in. deep.

Massive brass strap handles and brass furniture, with two outside drawers and inner tray with suitable compartments, double link chest lock and two drawer locks, containing 87 Tools of extra quality, viz. :—

3 Best Saws	2 Pairs Pliers
Axe	Compasses
3 Hammers	Lock Saw
Mallet	Smoothing Plane
Rule	Jack Plane
Pincers	Cutting Gauge
6 Gimlets	Marking Gauge
6 Bradawls	Mortise Gauge
8 Chisels	Glue Pot and Brush
4 Gouges	Drawing Knife
6 Files	Cutting Punch
Oil Stone	Scraper
Marking Awl	Bevel
3 Punches	Coach Wrench
3 Turnscrows	Chalk Line Reel
Gas Pliers	Brace, and
Hand Vice	12 Assorted Bits
2 Spokeshaves	Cutting Nippers
Square	2 Mortise Chisels
Claw Wrench	Furniture, etc.

Complete with Tools	...	...	...	...	136/-
Empty	...	...	...	...	42/-

### Chest No. 1456W.

24 in. long, 13 in. wide, and 13½ in. deep.

Elegantly finished extra strong brass strap handles and brass furniture, with two outside drawers and inner tray with divisions, double link chest lock and two drawer locks. A most useful chest for an amateur, containing 69 Tools of Melhuish's warranted extra quality viz. :—

3 Best Saws	Square
Axe	Claw Wrench
2 Hammers	2 Pairs Pliers
Mallet	Compasses
Rule	Lock Saw
Pincers	Smoothing Plane
6 Gimlets	Jack Plane
6 Bradawls	Cutting Gauge
6 Chisels	Marking Gauge
4 Gouges	Mortise Gauge
5 Files	Glue Pot and Brush
Oil Stone	Drawing Knife
Marking Awl	Cutting Punch
3 Punches	Scraper
3 Turnscrows	Bevel
Pliers	Chalk Line Reel
Hand Vice	2 Mortise Chisels
2 Spokeshaves	Coach Wrench
	Furniture, etc.

Complete with Tools	...	...	...	...	114/6
Empty	...	...	...	...	39/-

### Chest No. 1458W.

26 in. long, 14 in. wide, and 18 in. deep.

Massive brass strap handles and furniture, with three outside drawers and inner tray suitably divided, good double link chest lock, three drawer locks, etc., containing 103 Tools of warranted extra quality, viz. :—

3 Best Saws	Compasses
Axe	Lock Saw
3 Hammers	Smoothing Plane
Mallet	Jack Plane
Rule	Cutting Gauge
Pincers	Marking Gauge
9 Gimlets	Mortise Gauge
9 Bradawls	Glue Pot and Brush
9 Chisels	Drawing Knife
4 Gouges	Cutting Punch
6 Files	Scraper
Oil Stone	Bevel
Marking Awl	Coach Wrench
3 Punches	Chalk Line Reel
3 Turnscrows	Brace, and
Gas Pliers	18 Assorted Bits
Hand Vice	Cutting Nippers
2 Spokeshaves	2 Mortise Chisels
Square	Saw Set
Claw Wrench	Spring Dividers
2 Pairs Pliers	Bench Vice
	Furniture, etc.

Complete with Tools	...	...	...	...	172/-
Empty	...	...	...	...	45/-

**Contractor to the Home, Indian, and Colonial Governments.**

Rd. MELHUIISH, Ltd., Fetter Lane, Holborn Circus, London, E.C. 193

No. 1459W.

### Cabinet Maker's Bench.

(For Light Work.)



With Front Vice, Wooden Bench Screws and Guides, and two Bench Stops.

Although low in price, this Bench is strong and durable, and can be supplied with or without drawer between frame.

The top is made from several pieces exactly and carefully jointed, and can neither warp nor twist. The guide rails are made from very dry, hard wood, and the Bench Screws, which are soaked in hot oil before being fitted, are proof against the influence of air and weather.

Length over Top, not including vice jaw, 55 in.  
Width over all, 22 in.

Price ... .. £2 : 14 : 6

### Work Benches, made from Solid Beechwood.

No. 1460W.

Of heavy and substantial manufacture, and fitted with Front and End Vices with hardwood screws; also with a pair of Iron Bench Stops. There is a well in the top, also a commodious Drawer underneath.

Length 4 ft.	...	Price 42/-
" 5 ft.	...	" 50/-
" 6 ft.	...	" 65/-
" 7 ft.	...	" 75/-

We can fit any Instantaneous Grip Vice to the 5, 6, and 7 ft. sizes of this Bench.

Prices and particulars of Technical Benches up to 12 ft. long sent on application.



### Melhuish's New Pattern Work Bench.

No. 1461W.

With Drawers and Cupboard, also Instantaneous Vice and Adjustable Stops for holding work.

The top is made from well-seasoned Beech, and the front is of Stained Mahogany and polished.

The Cupboard is fitted with a 2-keyed Lever Lock.

5 ft. long, 20 in. wide,  
36 in. high,  
£6 : 18 : 0

6 ft. long, 20 in. wide,  
36 in. high,  
£7 : 10 : 0

N.B.—We can fit Lever Locks with Keys to the Five Drawers, at an extra charge of 11/3.



All Benches Carriage Forward.

Bronze Medal, 1884.—Gold Medal, 1890.



New Design Special Pattern Work Bench.

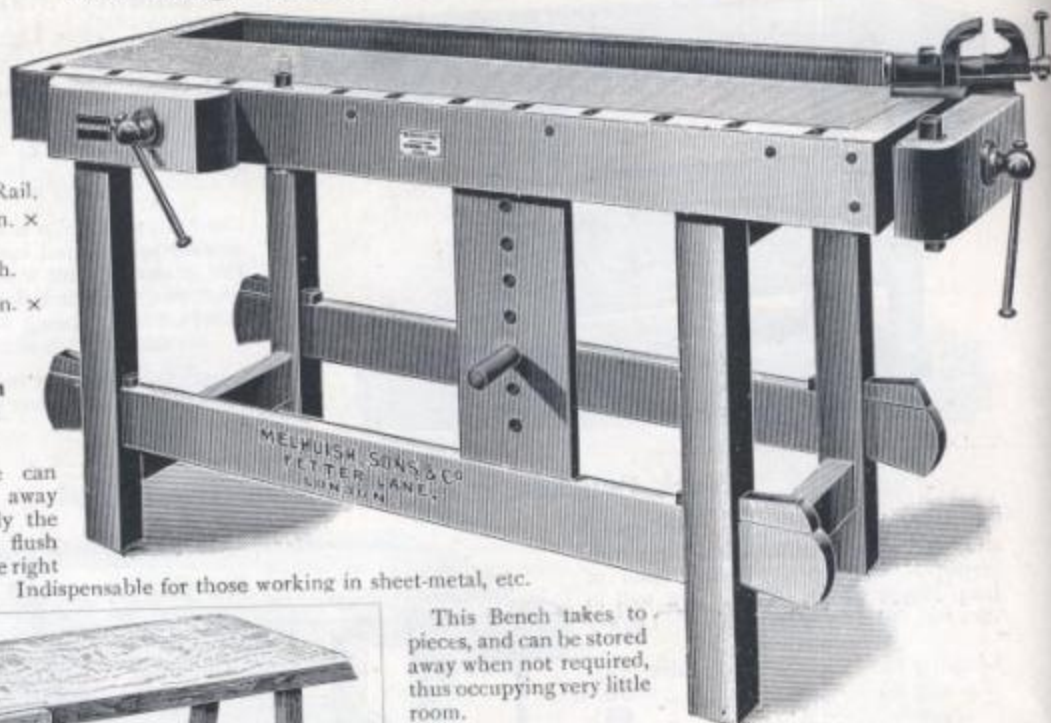
No. 1462W.

With Adjustable Metal Stops for holding and clamping work; also fitted with 2 Best Quality Bright Wrought Square-Thread Bench Screws, and Sliding Rail.  
5 ft. long x 1 ft. 11 in. x 2 ft. 9 in. high,  
£2 : 10 : 0 each.

6 ft. long x 1 ft. 11 in. x 2 ft. 9 in. high,  
£3 each.

If with large Bench Vice with Steel Jaws, 15/- extra.

This useful Vice can be fixed and taken away instantly, leaving only the small flat plate sunk flush with the bench. (See right hand of illustration.) Indispensable for those working in sheet-metal, etc.



This Bench takes to pieces, and can be stored away when not required, thus occupying very little room.



Boy's Work Bench, with Twin Screw Bench Vice and Hardwood Bench Stop.

No. 1463W.

Well and substantially made from Solid Beechwood.  
Dimensions of Top, 54 in. long x 15 in. wide x 1 1/8 in. thick.  
Height 31 in.

Price ... .. 25/- each.

Other sizes of this pattern made to order. Quotations will be sent on receipt of sketch or specification.

Melhuish's Technical Pattern Work Bench.

No. 1464W.

Made of selected and well-seasoned wood.

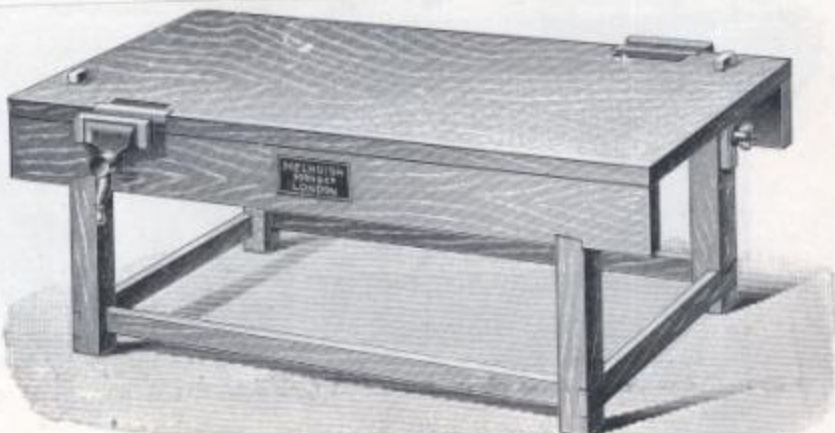
Length 5 ft. x 2 ft. wide x 30 in. high.

Price, with 2 Wood Bench Screws,  
29/6

With 2 Iron Bench Screws of best quality, 37/6

With 2 Instantaneous Grip Iron Vices, each with 7 in. wide jaws, 55/-

With Hardwood Top, 6/- extra.



Tool, Machine, and Hardware Merchants and Manufacturers.



Price  
7/6  
each.

### Workshop Stool.

No. 1465w. New Pattern.

Of substantial make, and fitted with a Machine-cut Flat Thread Rising Screw.

Packing,  
1/-  
extra.

### Combined Tool Tray and Nail Box.

No. 1466w.



In White Wood (polished), 3/- each.  
In Stained Mahogany, with Sliding Top, 4/6 each.

If fitted with the following Tools:  
Hammer, Pincers, Screwdriver, 2 ft. 4-fold Rule, Gimlet, Bradawl, also Nails and Screws, 3/6 extra.

### Revolving Stool.

No. 1467w.



Made from Hardwood (not polished), very strong, and fitted with Adjustable Flat Thread Screw and Iron Boss.

Price  
14/6 each.

Packing,  
1/- extra.



## Melhuish's New Pattern Solid Oak Work Bench.

Specially constructed by our own workmen for Motor Workshop.

No. 1468w.

With Hardwood Top.

Size of Bench, 3 ft. x 2 ft. x 4 ft. 6 in. high.

Each Drawer is fitted with Brass Lever Lock, with two keys to pass.

PRICE, EMPTY ... £5 : 15 : 0

Tools as follows, extra :

Parallel Vice	...	£0 : 15 : 0
Drilling Machine	...	2 : 11 : 6
10 in. Screw Wrench	...	0 : 4 : 9
8 in. Hack Saw	...	0 : 3 : 0
Hand Vice, Improved	...	0 : 3 : 6
Spanner, Adjustable	...	0 : 4 : 9
Screwdriver, Boxwood	...	0 : 2 : 9
Hammer, Engineers'	...	0 : 2 : 3
Hand Drill, and Set of Drills	...	0 : 6 : 0
Pliers, Combination N.P.	...	0 : 5 : 6
Clyburn Spanner	...	0 : 3 : 6
Three Files, Handled	...	0 : 2 : 0

All as Illustrated.

N.B.—We employ our own Cabinet Makers, so can supply to customers' own sizes or designs.

Orders of 20/- and upwards Carriage Paid (with few exceptions).



No. 1469W.

### New Pattern Collapsible Work Bench.

With Melhuish's Patent Fall-down Cover, with Lock and Key.

The top is of Solid Beech, and has Adjustable Winding Stop.

Price with 7 in. Vice, Instantaneous Action, and Tool Rack, £6 : 5 : 0.

Size 48 in. long, 22 in. wide, 39 in. high.

Tools extra according to customer's requirements.



No. 1470W.

### Melhuish's New and Improved Solid Oak Hanging or Bench Cupboard.

*"A place for everything, and everything in its place."*

French polished and fitted with 5 Drawers (4 Short and 1 Long), Panelled Doors, Brass Fittings, and Best Workmanship throughout.

Outside measurements:

42 in. high, 24 in. wide, 9 in. deep.

Price without Tools ... £3 : 10 : 0

Packing Case for same, 7/6. This will be allowed for in full if returned carriage paid and received by us in good condition.

These Cupboards, made by us in our own workshops, will give every satisfaction to our customers, and we can fit them up with any selection of tools that may be required.

Cupboards, Benches, Carving, and all kinds of Cabinet work made up to our customers' specifications and drawings.

**NOTE.**—All goods bearing our name are warranted perfect as far as material and workmanship are concerned. If a tool should prove too soft or break in consequence of a flaw in the steel, and be returned within a reasonable time from date of purchase, a new tool will be given in exchange. If it should be broken where the steel is sound it cannot be exchanged free.

RICHARD MELHUISH, LTD.



**A large and varied Stock of Engineers' Tools and Motor Accessories.**

## Best Tool Racks and Cabinets.

### Polished Pine Household Racks.

No. 1471W.

No. 1. Size 10½ in. × 15½ in. ... 5/- each.

Contains 6 Tools:—C.S. Hand Saw, Hammer, Turncrew, Gimlet, Bradawl, Tack Lifter.

No. 2. Size 10½ in. × 15½ in. ... 6/6 each.

Contains 9 Tools:—C.S. Hand Saw, Hammer, Turncrew, 3 Square Saw File, 2 Gimlets, Bradawl, Pincers, Tack Lifter.

No. 3. Size 11 in. × 16½ in. ... 8/6 each.

Contains 12 Tools:—C.S. Handsaw, Hammer, Chisel, 2 Turnscres, 3 Square Saw File, 2 Gimlets, Bradawls, Pliers, Pincers, Tack Lifter.



### Best Polished Oak Cabinets.

Fitted with Lock and Key, 2 Drawers.

No. 1.

No. 1472W.

Wide. Long. Deep.  
Size 14 in. × 21 in. × 5½ in.

Contains 25 Tools.

C.S. Hand Saw, 2 Hammers, Handled Axe, Gouge, Chisel, Mallet, 2 Turnscres, Square, 3 Files, Tack Lifter, 2 Bradawls, 2 Gimlets, Pincers, Pliers, Glue Pot and Brush, Plane, Compasses, Rule, Cold Chisel, Nails, Screws, etc.

51/- each.

No. 2.

Wide. Long. Deep.  
Size 16 in. × 26 in. × 7½ in.

Contains 46 Tools.

C.S. Hand Saw, C.S. Tenon Saw, 2 Hammers, 2 Turnscres, Plated Square, Beech Spokeshave, Saw Pad and Saw, Brace and 6 Bits, 2 Handled Chisels, 2 Handled Gouges, 3 Handled Files, Handled Rasp, Hatchet, Pincers, Mallet, Glue Pot and Brush, Iron Plane, Cutting Pliers, Compasses, Marking Awl, Brad Punch, 3 Gimlets, 3 Bradawls, Hand Vice, Spirit Level, Coach Wrench, Handled Scraper, Rule, Cold Chisel, Oilstone in Case, Nails, Screws, etc.

84/- each.



Contractors to the Home, Indian, and Colonial Governments.



## Tool Cabinet.

Strongly made of Selected Chestnut, Panelled and well Finished.



No. 1473W.

"A place for everything, and everything in its place."

Outside dimensions,  $28\frac{1}{2} \times 24\frac{1}{2} \times 8\frac{1}{2}$  in.

It contains the following Tools, every one of which is warranted:

- |                    |                                |                             |                        |
|--------------------|--------------------------------|-----------------------------|------------------------|
| 1 Rip Saw          | 1 Oil Whetstone                | 1 Screwdriver Bit           | 1 Pair Cutting Nippers |
| 1 Cross Cut Saw    | 1 Oiler                        | 2 Screwdrivers              | 1 " Flatnose Pliers    |
| 1 Compass Saw      | 1 Can Glue                     | 2 Files                     | 1 " Gas Pliers         |
| 1 Hack Saw         | 1 Ratchet and Brace            | 1 Cabinet Scraper           | 1 " Wing Dividers      |
| 1 Coping Saw       | 3 Gimlet Bits                  | 1 Automatic Drill           | 1 Rule                 |
| 2 Planes           | 7 Auger "                      | 1 Tool Holder with 10 Tools | 1 Marking Gauge        |
| 1 Spokeshave       | 1 Countersink                  | 1 Steel Nail Hammer         | 1 Try Square           |
| 1 Steel Hatchet    | 1 Steer's Patent Expansive Bit | 1 Cup Point Nail Set        | 1 Plumb and Level      |
| 6 Chisels, Handled | 1 Square Rimer                 | 1 Tack Hammer               | 1 Hexagon Level        |

Weight about 48 lb. Weight, packed in Crate, about 75 lb.

Price complete ... .. £8 : 10 : 6



This Section of our Catalogue contains the leading lines in Wood Workers' Tools, Machines, and Accessories, etc. We have other Sections, embracing a great variety of Engineers' Tools, Machines, and Appliances, Electrical Goods, Motor Tools, Horticultural and Estate Agents' Tools, Builders' and Furnishing Ironmongery, etc. Copies of these Sections will be sent on application. We are also pleased to receive inquiries for copies of our Catalogues for sending abroad, and would point out that special attention and care is always given by our experienced men to the packing of export orders—a fact greatly appreciated by the leading Shippers.

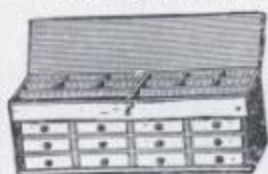
Bronze Medal, 1884.—Gold Medal, 1890.

# Chests of Drawers and Wood Boxes.

For Nails, Screws, Small Fittings, etc., etc.



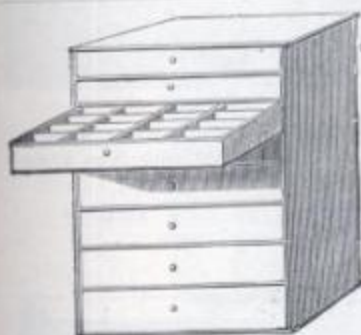
No. 1474W. **Walnut.**  
12 Compartments.  
Size  $12 \times 3\frac{1}{2} \times 1\frac{1}{2}$  in. ... 2/3 each.



No. 1475W. **Whitewood.**  
6 Drawers, Size  $2\frac{1}{2} \times 7\frac{1}{2} \times 4\frac{1}{2}$  in. 2/- each.  
9 Drawers, size  $3\frac{1}{2} \times 7\frac{1}{2} \times 4\frac{1}{2}$  in. 2/6 each.  
12 Drawers, size  $3\frac{1}{2} \times 10 \times 4\frac{1}{2}$  in. 3/- each.  
12 Drawers, size  $4 \times 12\frac{1}{2} \times 4\frac{1}{2}$  in. 3/3 each.



No. 1476W. **Solid Oak.**  
9 Drawers, size  $4\frac{1}{2} \times 9\frac{1}{2} \times 4\frac{1}{2}$  in. ... 5/- each.  
12 " "  $4\frac{1}{2} \times 13 \times 4\frac{1}{2}$  " ... 6/- "  
7 " "  $5\frac{1}{2} \times 13 \times 6$  " ... 8/- "



No. 1477W. **Whitewood.**  
16 Compartments in each Drawer.  
4 Drawers, Size  $8\frac{1}{2} \times 11\frac{1}{2} \times 11$  in. 9/- each.  
6 " "  $13 \times 11\frac{1}{2} \times 11$  " 11/6 "  
8 " "  $17\frac{1}{2} \times 11\frac{1}{2} \times 11$  " 14/6 "  
10 " "  $21\frac{1}{2} \times 11\frac{1}{2} \times 11$  " 17/- "



No. 1478W. **Whitewood.**  
16 Drawers,  $12 \times 9\frac{1}{2} \times 18$  in. high, 18/- each.



No. 1479W. **Whitewood.**  
12 Drawers.  
Size  $28\frac{1}{2} \times 7\frac{1}{2} \times 7\frac{1}{2}$  in. 15/- each.  
6 Drawers.  
Size  $28\frac{1}{2} \times 7 \times 7\frac{1}{2}$  in. 12/6 each.



No. 1480W. **Whitewood.**  
4 Compartments in each Drawer.  
20 Drawers, size  $23\frac{1}{2} \times 12 \times 7\frac{1}{2}$  in. 10/- each.  
24 Drawers, size  $27\frac{1}{2} \times 12 \times 7\frac{1}{2}$  in. 12/- each.  
30 Drawers, size  $23\frac{1}{2} \times 18 \times 7\frac{1}{2}$  in. 15/- each.  
36 Drawers, size  $27\frac{1}{2} \times 18 \times 7\frac{1}{2}$  in. 18/- each.



No. 1481W. **Whitewood.**  
8 Compartments in each Drawer.  
20 Drawers, size  $23\frac{1}{2} \times 12 \times 10\frac{1}{2}$  in. 15/- each.  
24 Drawers, size  $27\frac{1}{2} \times 12 \times 10\frac{1}{2}$  in. 17/6 each.  
30 Drawers, size  $23\frac{1}{2} \times 18 \times 10\frac{1}{2}$  in. 21/- each.  
36 Drawers, size  $27\frac{1}{2} \times 18 \times 10\frac{1}{2}$  in. 25/- each.

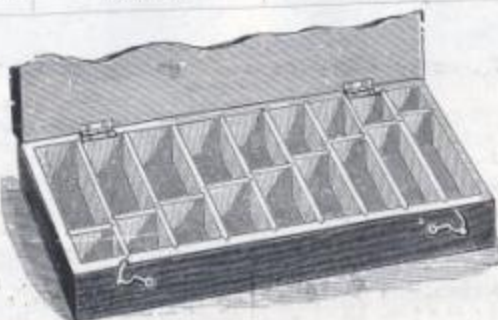
No. 1482W.

**Deal, 18 Compartments.**  
Size  $12 \times 4\frac{1}{2} \times 1\frac{1}{2}$  in. ... 1/3 each.

**Deal, 18 Divisions. Extra strong.**  
Size  $12 \times 5 \times 1\frac{1}{2}$  in. ... 1/6 each.

**Deal, 20 Compartments.**  
Size  $21 \times 7 \times 2$  in. ... 3/6 each.

**Stained, 18 Compartments.**  
Size  $11\frac{1}{2} \times 5 \times 1\frac{1}{2}$  in. ... 2/- each.



**Stained, 24 Compartments.**  
Size  $14\frac{1}{2} \times 5\frac{1}{2} \times 1\frac{1}{2}$  in. ... 2/9 each.

**Mahogany, 18 Compartments.**  
Size  $11\frac{1}{2} \times 5 \times 1\frac{1}{2}$  in. ... 3/- each.

**Mahogany, 24 Compartments.**  
Size  $14\frac{1}{2} \times 5\frac{1}{2} \times 1\frac{1}{2}$  in. ... 4/- each.

**Walnut, 18 Compartments.**  
Size  $11\frac{1}{2} \times 5 \times 1\frac{1}{2}$  in. ... 3/- each.

**Walnut, 24 Compartments.**  
Size  $14 \times 5\frac{1}{2} \times 1\frac{1}{2}$  in. ... 4/- each.



## Chests of Drawers.

For Nails, Screws, Small Fittings, Collections, etc., etc.



No. 1483w.

London-made Dental Cabinet.

No. 1483w.  
10 Drawers,  $14\frac{1}{2} \times 11\frac{1}{2} \times 11$  in.,  
15/- each.

No. 1484w. Ditto, Polished, 18/- each.

No. 1485w.  
12 Drawers, all one height,  
 $18\frac{1}{2} \times 11\frac{1}{2} \times 11$  in., 16/6 each.  
No. 1486w. Ditto, Polished, 19/9 each.

No. 1487w.  
7 Drawers, with side locking arrangement,  
13/- each.  
No. 1488w. Ditto, Polished, 16/6 each.

No. 1489w. 20 Drawers.  
Height  $20\frac{1}{2}$  in. ... Width  $12\frac{1}{2}$  in.  
Depth  $9\frac{1}{2}$  in. Price 11/6 each.

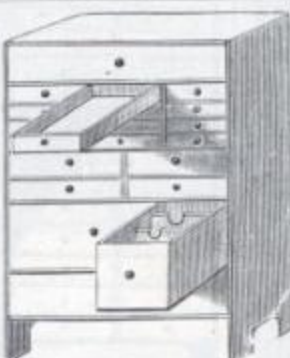


No. 1490w.

Tool Cabinet.

With side locking arrangement.

With 7 8 10 12 Drawers.  
Pine 15/- 16/- 18/- 22/- each.



No. 1492w.

12 Drawers.

Height ... 14 in.

Width ...  $12\frac{1}{2}$  in.Depth ...  $9\frac{1}{2}$  in.

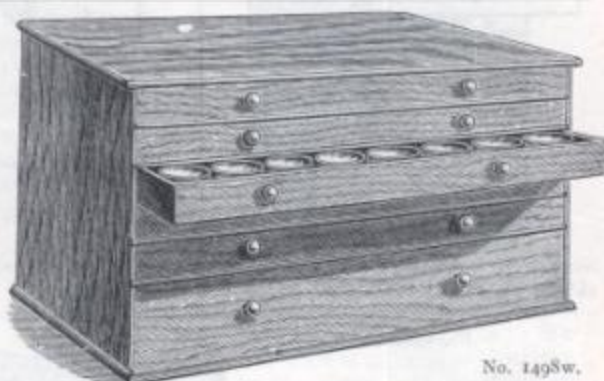
Price 7/6 each.



No. 1494w.

Polished Mahogany.

No. 1493w. 6 Drawers,  $3\frac{1}{2} \times 8\frac{1}{2} \times 4\frac{1}{2}$  in. ... 4/- each.  
" 1494w. 9 " as illustrated,  $4 \times 8\frac{1}{2} \times 4\frac{1}{2}$  in. 4/6 "  
" 1495w. 12 "  $4\frac{1}{2} \times 11\frac{1}{2} \times 4\frac{1}{2}$  in. ... 5/6 "  
" 1496w. 7 " various sizes,  $5\frac{1}{2} \times 15\frac{1}{2} \times 5\frac{1}{2}$  in. 6/9 "  
" 1497w. Special Mahogany Chest, 6 Drawers, with  
secret locking arrangement,  $5\frac{1}{2} \times 11 \times 5$  in. 12/- "



No. 1498w.

Chest of Drawers, 21 in. long, 12 in. high, and  $11\frac{1}{2}$  in. deep, Stained and Polished Mahogany. The 5 Top Drawers contain in each 32 Round Metal Boxes (160 in all),  $2\frac{1}{2} \times \frac{1}{2}$  in. deep, all with Glass Tops, thus enabling their contents to be seen at a glance without removing their covers, an advantage which is highly appreciated. The Bottom Drawer is empty, and is 3 in. deep. Price 52/- each.

We fit up this Chest with an assortment of Screws, Brass Hooks, Eyes, Nails, etc., from our extensive stock of Cabinet Brass Foundry and Builders' Hardware, at an extra cost of 10/-, 15/-, or 20/-, according to selection. Metal Boxes, as above, 2/- per doz.

Orders of 20/- and upwards Carriage Paid (with few exceptions).

Rd. MELHUISH, Ltd., Fetter Lane, Holborn Circus, London, E.C. 201

No. 1499W.

# The "Exonian."

Melhuish's Patent  
Combined Wood  
Carving and Joiner's  
Work Bench and  
Tool Cabinet.

Length,  
4 ft.

Width,  
1 ft. 9 in.

Height,  
3 ft. 3 in.



Of the  
Highest  
Excellence  
in Material, Design,  
Construction,  
Finish, Simplicity,  
Ease of Working,  
Utility and  
Durability.

Made on our  
premises by  
Experienced  
Cabinet  
Makers,  
and highly  
polished.



"A place for everything, and everything in its place."

Illustration shows Cabinet in Position for Work, with the Lid firmly supported by means of two Patent Flush Bolts.

	Without Tools.	Fitted complete with Tools as specified on next page.
In best Wainscot Oak	£11 : 9 : 0	£20 : 11 : 9
American Walnut	12 : 10 : 0	21 : 12 : 9
Extra large size, with Work Bench 5 ft. long, and fitted with 12 Drawers in 2 Columns, made in American Walnut or best Wainscot Oak	16 : 10 : 0	30 : 0 : 0
<b>EXTRAS:</b> —Made with Ebonized Mouldings from the Solid		£0 : 7 : 6
Made specially for Export and to stand hot climates, with 12 Solid Brass Corners, 6 doz. Brass Screws, and bottom, back, inside, and all exposed parts thoroughly waterproof		2 : 2 : 0
Fitting and Fixing Carving Board Attachment, to enable operator to sit down for carving and similar work		1 : 0 : 0

All Empty Cabinets Carriage Forward.

All Cabinets priced "Without Tools" are fitted with Patent Instantaneous Grip Vice as "Excelsior" Cabinet.

We would recommend the Carving Board Attachment to all our Cabinets as a very useful addition. It makes the Bench double the width.

N.B.—All our Cabinets are fitted with **PATENT INSTANTANEOUS GRIP VICE**, also **RISE BENCH STOP**, and **3 ft. STRAIGHT EDGE**, all tools priced separately. (No extra charge for fitting them to Cabinets.)

We shall be pleased to estimate cost of making Cabinet to harmonise with any furniture; or will fit up customer's own tools if so required.

**SPECIAL NOTE.**—It will perhaps occur to some intending purchaser while perusing this section of our Tool Chests and Cabinets, that the lists of Tools with which we furnish these articles could be considerably augmented, in some details at least, without additional cost. To this we would reply that, while giving due and careful attention to the various and special needs of those for whom these Tool Chests and Cabinets are intended, our first consideration is **QUALITY**, and not quantity.

A large and varied Stock of Engineers' Tools and Motor Accessories.



"The Exonian."



The whole of the Cabinet can instantly be closed and secured by a secret Lock with Small Key.

Bronze Medal, 1884.



Melhuish's Patent.



These Cabinets have a world-wide reputation for Elegance and Usefulness.

Gold Medal, 1890.



#### Contents of Cover.

	£	s.	d.
12 Addis' Famous Carving Tools, fancy pattern handles	10	0	0
9 Firmer Chisels, ditto	9	0	0
3 Bradawls	0	8	0
3 Gimlets	0	10	0
1 Screwdriver, boxwood handle	1	0	0
1 Small Cabinet Screwdriver	1	0	0
1 Sliding Bevel	2	0	0
1 3-in. Try Square	1	4	0
1 10 1/2-in. Combination Square	3	6	0
1 Straight Edge	1	6	0
1 2-ft. 2-fold Boxwood Rule	1	9	0
1 Nickel-Plated Brace and 24 Bright Bits	1	1	0
1 Hand Drill	6	0	0
	<b>£2</b>	<b>19</b>	<b>8</b>

#### Right Cupboard.

	£	s.	d.
1 16-in. Hand Saw	4	0	0
1 12-in. Brass Back Tenon Saw	5	0	0
1 Dovetail Saw	4	6	0
1 Turning Saw	3	3	0
1 Compass Saw	1	6	0
1 Adze Eye Claw Hammer	3	6	0
1 Joiners' Hammer	1	6	0
1 Mitre Block	1	3	0
1 Iron-bound Mallet	2	6	0
1 Combination Marking and Mortising Gauge	4	0	0
1 Cutting Gauge	2	4	0
1 Draw Knife	2	6	0
1 Pair of Pincers	1	6	0
1 Large Cabinet Turncrew	2	6	0
	<b>£1</b>	<b>19</b>	<b>10</b>

#### Left Cupboard.

	£	s.	d.
1 Jack Plane	5	6	0
1 Try Plane	8	9	0
1 Smooth Plane	3	9	0
1 Adjustable Plane	4	6	0
2 Truing Sticks	1	6	0
6 Gouges, handled	6	0	0
3 Mortise Chisels	4	3	0
1 File for Metal	1	0	0
1 File for Wood	1	0	0
1 Rasp for Wood	1	0	0
	<b>£1</b>	<b>15</b>	<b>3</b>

#### Drawers.

	£	s.	d.
1 Copper Glue Pot	3	6	0
1 Brush and Glue	1	0	0
1 Scraper Blade	0	6	0
1 Oilstone in Case	5	0	0
1 Shipstone	1	0	0
1 Oilcan	0	6	0
The Drawer with 20 Divisions fitted with a large variety of Ironmongery, Screw Hooks, Screw Eyes, Nails, Pins, Screws, etc., well selected from our extensive stock, so very useful to the Amateur Workman	11	6	0
	<b>£1</b>	<b>5</b>	<b>0</b>

#### Sundries.

	£	s.	d.
1 Pair Tinman's Snips	2	6	0
1 " Flat Nose Pliers	1	0	0
1 " Round Nose Pliers	1	0	0
1 " Combination Pliers	3	0	0
1 Adjustable Spokeshave	2	6	0
1 Pair of Compasses	1	6	0
	<b>£0</b>	<b>11</b>	<b>6</b>

The Complete Set of Tools as above, £9 : 2 : 9.

Contractors to the Home, Indian, and Colonial Governments.

Rd. MELHUISE, Ltd., Fetter Lane, Holborn Circus, London, E.C. 203

## "The Excelsior" Patent Tool Cabinet and Work Bench Combined.

With all the latest improvements as in the "Exonian," viz. The Extra Deep Cover with seven panels, two Flush Bolts, and the Extended Rails for holding tools.

Length 4 ft. Width 1 ft. 9 in. Height 3 ft. 3 in.

This design is fitted with Carving Attachment to enable the operator to sit at ease while at work; this adds double width to the bench.



"A place for everything, and everything in its place."

No. 1500w. Prices complete with first quality tools as specified on next page:

In Best Wainscot Oak; selected and best workmanship	£22 : 17 : 6
Extra if made with Ebonized Mouldings	0 : 7 : 6
In American Walnut, all extra quality Brass Work	24 : 2 : 6

For prices of these Cabinets without tools, see page 205.

Bronze Medal, 1884.—Gold Medal, 1890.



# **"The Excelsior" Patent Tool Cabinet and Work Bench Combined.**

## **List of Tools.**

Contents of Cover.	£ s. d.	Left Door.	£ s. d.
2 ft. Box Rule ...	1 : 9	Mortise-making Gauge ...	4 : 6
1 Pair Combination Pliers ...	2 : 6	Ebony Cutting Gauge ...	3 : 6
9 Firmer Chisels ...	9 : 0	Hand Drill ...	5 : 6
3 Bradaws ...	0 : 9	Turning Saw Frame ...	3 : 6
3 Gimlets ...	0 : 9	Drawing Knife ...	2 : 6
1 10½ in. Square ...	3 : 6	Large Screwdriver ...	2 : 6
1 3 in. Square ...	1 : 4	1 Pair Pincers ...	1 : 6
1 7½ in. Bevel ...	2 : 0	1 Ebony Level ...	3 : 0
12 Carving Tools ...	10 : 0	<b>£1 : 6 : 6</b>	
1 Pair Wing Compasses ...	1 : 6		
1 Brace and 24 Bits ...	1 : 1 : 0	<b>Right Door.</b>	
2 Screwdrivers ...	1 : 8	Adjustable Spokeshave ...	2 : 6
1 Pair Tin Snips ...	2 : 6	3 Firmer Gouges ...	3 : 0
1 " Round Nose Pliers ...	1 : 6	3 Files, assorted ...	2 : 6
1 " Flat " " ...	1 : 6	3 Rasps, " " ...	2 : 6
1 Light Hammer ...	1 : 3	3 Strong Chisels ...	2 : 8
1 Striking Knife ...	0 : 4	<b>£0 : 13 : 2</b>	
2 Scrapers ...	1 : 0		
1 Cork Rubber ...	0 : 6	<b>Front Cupboard.</b>	
1 Oil Can ...	1 : 0	Bright Bench Holdfast ...	5 : 6
<b>£3 : 5 : 4</b>		" Carver's Screw ...	3 : 6
<b>Left Cupboard.</b>		1 Pair Dividers ...	3 : 9
Rebate Plane ...	3 : 0	1 " Compasses ...	1 : 6
Jack Plane ...	5 : 6	1 Carver's Mallet ...	1 : 6
Smooth Plane ...	3 : 9	1 T-Square ...	2 : 6
Adjustable Iron Plane ...	4 : 6	1 Steel Straight Edge ...	3 : 0
Copper Glue Pot and Brush ...	4 : 0	2 Set Squares ...	1 : 6
Steel Anvil and Cutter ...	10 : 6	<b>£1 : 2 : 9</b>	
1 Bright Claw Hammer ...	3 : 0		
<b>£1 : 14 : 3</b>		Set of Tools, as fitted.	
<b>Right Cupboard.</b>		<b>£9 : 7 : 6</b>	
Iron Bound Mallet ...	2 : 6	<i>See opposite page.</i>	
Oilstone in Mahogany Case ...	5 : 0	<b>Extras.</b>	
Mitre Block ...	1 : 0	Mounted Drawing Board with Walnut Rail and Patent rising and falling Brass Adjustment ...	1 : 6 : 0
Hand Saw ...	5 : 0	Solid Oak Reading Stand, to Swivel ...	8 : 6
Tenon Saw ...	4 : 9	Board mounted with 24 Carving Tools ...	1 : 8 : 0
Dovetail Saw ...	4 : 3	<b>£3 : 2 : 6</b>	
Keyhole Saw ...	1 : 6		
1 Joiner's Hammer ...	1 : 6		
<b>£1 : 5 : 6</b>			

**IMPORTANT TO THOSE ORDERING THROUGH SHIPPERS.** In order to ensure entire satisfaction we advise our friends to be careful in giving definite instructions that the goods shall be purchased direct from our house. By these means they may be sure of receiving the pattern and quality specified in our Catalogues.

RICHARD MELHUIH, Ltd., LONDON, E.C.

**Tool, Machine, and Hardware Merchants and Manufacturers.**

	<p><b>Awards for Excellence</b></p> <p>BRONZE MEDAL 1884.</p>   <p><b>of Machines and Tools.</b></p> <p>GOLD MEDAL 1890.</p>	
<p>Adzes Augurs Axes Back Saws Band Saws Benches Bevels Billhooks Bits Blow Lamps Braces Bradawls Bricklayers' Tools Buckets Callipers Carvers' Outfits Centre Bits Chisels Chucks Compasses Corkscrews Cramps Cutlery Drain Machines Drills Emery Cloth Files Frame Saws Fret Saws Fretwood Gauges Gimlets Glue Gouges Grindstones Hammers Land Chains Lathes Levels Mallets</p>	<p><b>The "Excelsior" Patent Tool Cabinet and Work Bench Combined.</b></p> <p>No. 1501W. Length, 4 ft.; width, 1 ft. 9 in.; height, 3 ft. 3 in.</p> <p>Without Tools, but fitted with New Patent Vice, Improved Bench Stop, 3-foot Straight Edge, also the Rails for holding tools. This Pattern has an Extra Deep Cover, and is also fitted with Carving Arrangement to enable operator to sit at ease. This gives double width to the Bench.</p>  <p>In Best Wainscot Oak, Polished, and extra quality Brasswork... £13 : 10 : 0          Extra if made with Ebonized Mouldings ... 0 : 7 : 6          In American Walnut, Polished, and extra quality Brasswork ... 14 : 15 : 0          Extra if fitted with Combination Drawing and Writing Board, top lined with Morocco ... 0 : 11 : 6</p>	<p>Masons' Tools Measuring-Tapes Mitre Boxes Mortar Mills Mortise-Gauges Motor Tools Oil Oil Cans Oil Stoves Pad Saws Paint Mills Painters' Tools Picks Pincers Pit Saws Planes Plasterers' Tools Rasps Ratchet Braces Razors Rules Sash Cramps Saws— all kinds Scissors Screwdrivers Squares Sieves Spokeshaves Tool Chests Trucks Turning-Tools Turnscrews Vices— all kinds Wrenches etc., etc.</p>
	<p><b>The "Cam" Bench Stop Raiser.</b></p> <p>In Iron.</p>  <p>No. 1501½W.          Painted Blue and complete with Screw and Metal Bush.          Price ... 1/2 each.          13/- per doz.</p>	

Orders of 20/- and upwards Carriage Paid (with few exceptions).



**"The Windsor" Work-Bench Tool Cabinet**

(R. MELHUISH'S PATENT).

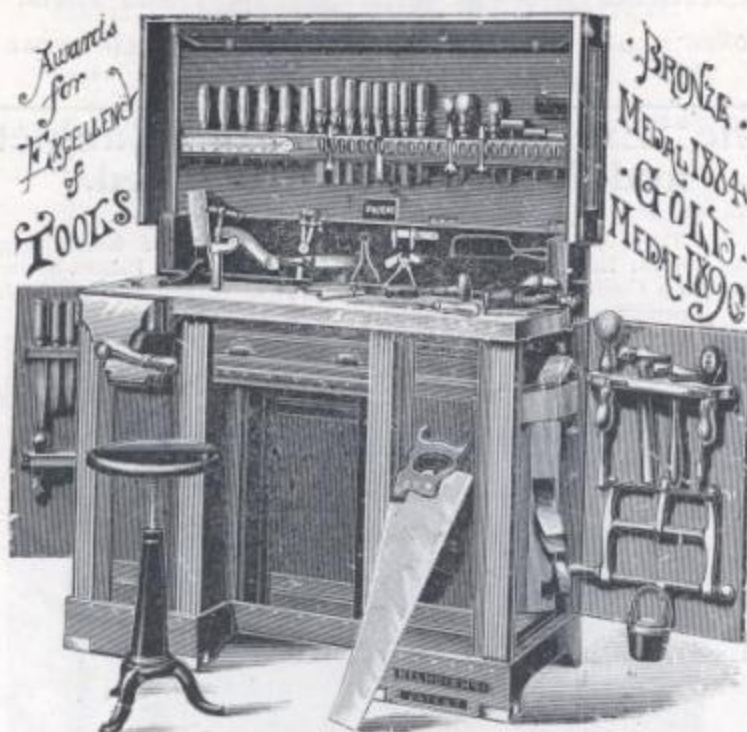
No. 1502W.

With Deep Cover and  
of the very best work-  
manship throughout.

Length,  
4 ft.

Width,  
1 ft. 9 in.

Height,  
3 ft. 3 in.



The Tools sent out  
with this Cabinet are  
of Warranted Quality,  
and as supplied to  
practical workmen.

Other selection of  
Tools than that given  
below can be supplied.

A large selection of  
these Cabinets is  
always on view in our  
Showrooms.

Prices, Without Tools, but fitted with Patent Instantaneous Vice:

Basswood ...	£7 : 0 : 0	Wainscot Oak ...	£8 : 5 : 0	American Walnut ...	£9 : 0 : 0
Complete with Tools, as specified below:					
Basswood ...	£11 : 0 : 0	Wainscot Oak ...	£12 : 5 : 0	American Walnut ...	£13 : 0 : 0

List of Tools with which we usually furnish "The Windsor" Work-Bench Tool Cabinet:—

	s.	d.		s.	d.
12 Carving Tools	10	0	1 Frame Bow Saw	3	6
1 Duplex Iron Plane	1	3	1 9 in. Tenon Saw	3	0
1 Straight Edge, 3 ft. 6 in.	1	6	1 2½ in. Jack Plane	5	6
1 Bright Hammer	1	6	1 2 in. Smoothing Plane	3	9
1 2 ft. 2-fold Rule	1	0	1 Joiner's Hammer	1	3
3 Twist Gimlets	0	10	1 Melhuish's Hand Saw	3	6
3 Patent Bradawls	0	8	1 Box Drawing Knife	2	6
1 Screwdriver each, -/10, 1/6	2	4	1 Brace, and Set of 24 well-assorted Bright		
1 Cabinet Scraper	0	5	Boring Bits	10	9
6 Assorted Firmer Chisels	4	2	1 Pair Pincers	1	3
3 Assorted Firmer Gouges	2	1	1 Spokeshave	0	9
1 6 in. Combination Square	2	4	1 Beechwood Gauge	1	6
1 Boxed Oilstone	3	0	2 Rasps, handled	1	10
1 Can Liquid Glue	1	6	1 Pencil	0	1
1 Beech Mallet	1	6	1 Bright Bench Holdfast	5	6
1 Beech Mitre Block	1	3	Total	£4	0 : 0

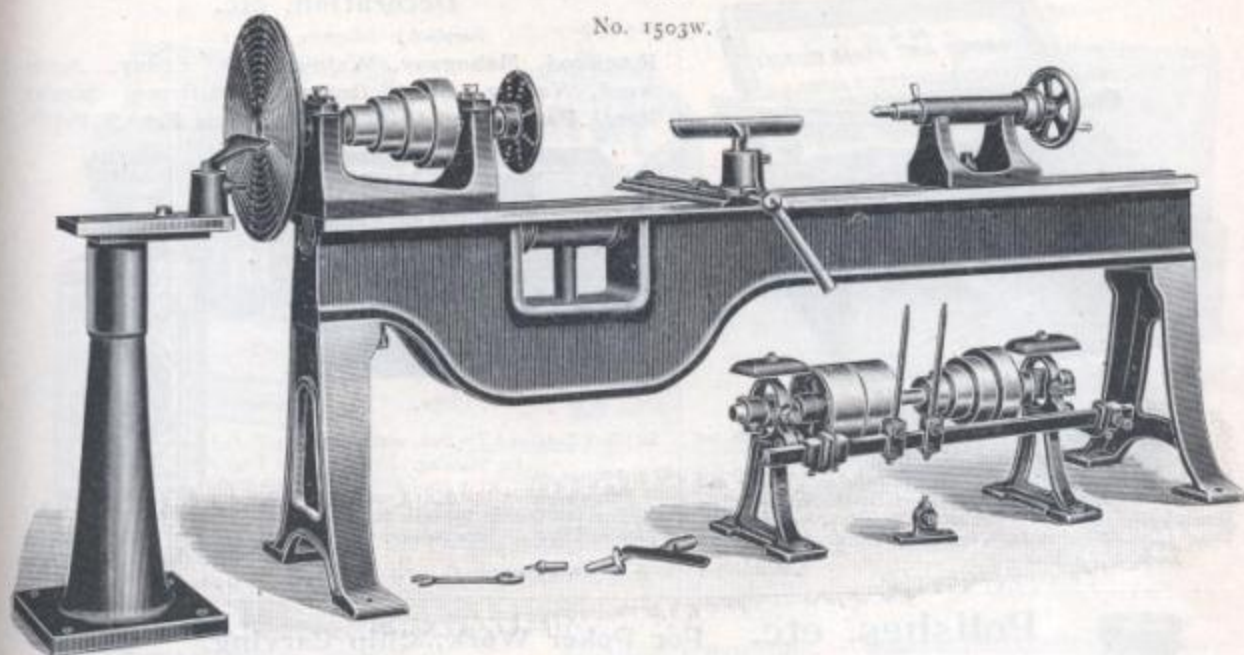
**IMPORTANT TO THOSE ORDERING THROUGH SHIPPERS.** In order to ensure satisfaction we advise our friends to be careful in giving definite instructions that the goods shall be procured direct from our house. By these means they may be sure of receiving the pattern and quality specified in our Catalogues.

R. MELHUISH, LTD., LONDON, E.C.

**A large and varied Stock of Engineers' Tools and Motor Accessories.**

## Wood-Turning Lathes.

No. 1503W.



A very strong and substantial design, suitable for general wood-turning, pattern- and cabinet-making, etc., etc.

The Bed is of strong cast iron, truly planed and scraped, and mounted on heavy iron standards, and the fast and loose Headstocks—cored castings in one piece—are accurately machined to fit bed.

The Spindles are of steel, and run in phosphor bronze adjustable bearings, and have front end screwed and bored for various kinds of chucks and centres; a tail pin bearing is fitted to take the thrust.

The four-speed Cone Pulleys are turned inside and out so as to be in perfect balance.

The price includes fast and loose Headstocks mounted on iron bed, suitable Countershaft, with Cone, Fast and Loose Pulleys and Belt Motion, improved Hand Rest to instantly fasten in any position by a handle attached to an eccentric shaft, Face Plate, two T Rests, Fork Centre, Dead Centre, Screw Centre, and set of Spanners.

No.	Height of Centres.	Length of Bed.	Length will turn.	Diameter of Pulleys on Countershaft.	Revs. per minute of Countershaft.	Price.
	in.	ft.	ft. in.	in.		
1	6	6	3 8	6	800	£15 : 0 : 0
2	8	8	4 11	8	600	£20 : 0 : 0
3	9	10	6 7	10	500	£27 : 10 : 0
4	10	10	6 7	10	400	£32 : 0 : 0
5	12	12	8 3	12	350	£40 : 0 : 0

Free on Rail at Works.

Extra Length of Bed, per foot ... .. extra £1 : 0 : 0

If made with Spindle extended at back of Headstock and fitted with large face plate and adjustable rest on heavy pillar stand (as illustrated) for turning articles of large diameter ... .. £3 : 10 : 0

These lathes are also made to work by foot power, treadle motion. Prices on receipt of requirements. Also supplied without gap bed at a reduced price.

7½ per cent. extra f.o.b. Liverpool; 10 per cent. extra f.o.b. London.

**Contractors to the Home, Indian, and Colonial Governments.**



# Art Stains. For Marqueterie, Poker Work, Relief Burning, Mosaic Decoration, etc.



No. 1504w.

In Polished Stained Walnut Box, with full Directions for Marqueterie Staining.

CONTENTS.—10 Stains, 2 French Polishes (White and Antique), Background Brush, Medium Brush, Sable Outline Brush, Camel Hair Polish Dabber, Chinese Ink, Mapping Pen, Linseed Oil, Knife, Tin Tray, and China Palette.

Price complete ... 9/6



No. 1505w.

In Black Japanned Tin Box, with directions for Staining.

CONTENTS.—5 Stains, 1 French Polish, Medium and Outline Brushes, Chinese Ink, Linseed Oil, and China Palette.

Price complete ... 4/3



No. 1506w.

Per 2 oz. bottle ... 6/6 each  
6 doz. lots ... 5/3 doz.  
Gross ... 4/11

## Polishes, etc. For Poker Work, Chip Carving, Mosaic Decoration, Marqueterie, etc., etc.



### Rapid Polish.

No. 1507w.

A quick and effective Polish for Marqueterie.

4 oz. bottles,  
1/6 1/2 each.



### Bronze Powder.

In Gold, Silver, Copper, Blue, and Green.

No. 1509w.

A most artistic decoration is obtained on Poker Work, Mosaic Work, etc., by mixing the Bronze with the Shellac Solution.

In boxes containing 1/2 oz. Bronze, any colour,  
-/3 each.

Full directions for use are given on the label.



### "Patina" Dry Colours.

No. 1510w.

In White, Yellow, Orange Ochre, Umber, Ultramarine, Light Blue, Light Green, Dark Green, Vermilion, Carmine, and Black.

For Dull or Matt Ornamentation of Relief Poker Work. In boxes containing 1 1/2 oz., -/2 1/2 each.

### White and Antique French Polish.

For Poker Work, etc.

No. 1512w.

2 oz. bottles,  
-/6 each.



### Mirror Polish.

No. 1508w.

For obtaining a brighter and more durable gloss after using the Rapid Polish.

1 oz. bottles, -/8 each.

Full directions for use are given on the label.



### No. 1511w. Ivory Colour for Tarso.

In Tubes. For Satin Tarso Work. It gives the effect of Inlaid Ivory. Price -/7 per tube.

Full directions for use are given on the label.

### Best Wax Polish.

No. 1513w.

In Large Tubes. A small quantity applied gives an elegant, durable, and Satin-like polish to Poker Work, Chip Carving, etc., etc. Price -/5 1/2 per tube.



### Spirit Solution of Shellac.

For Fixing Patina Colours and Bronze Powder.

No. 1514w.

In bottles containing 4 oz., -/8 each.



No. 1515w.

1 Set of Patina Colours and 1 Bottle of Shellac, 2/11

Bronze Medal, 1884.—Gold Medal, 1890.

# Outfits, Tools and Accessories for Pewter Relief Modelling.

No. 1516w.



In Cloth Covered Box, containing complete set of 9 Modelling Tools, Felt Pad, Linoleum, Glass Slab, Mounting Pins.

Outfit No. ... 6/-

## Card of 9 Modelling Tools.

Price ... 3/6

No. 1517w.



One each Patina Colours, Grease Remover, Varnish, and Filling Powder, in Carton.

2/3 per set.

Bottles containing the Acids which are packed in Tin Boxes should be well stoppered and kept in the Tin Boxes to prevent evaporation and tools rusting.

No. 1518w.



In Cloth Covered Wood Box, containing a complete set of Modelling Tools and all Accessories.

Outfit No. 1518w. ... 14/9

Length of Modelling Tools, with Wood Handles, 6 in.



No. 1519w.	No. 1520w.	No. 1521w.	No. 1522w.	No. 1523w.
Scriber or Outlining Tool.	Modelling Iron.	Finishing Tool (narrow).	Finishing Tool (broad).	Beading Tool.
4/4	4/4	4/4	6/6	6/6

## Hollow Punches.

No. 1524w.

For making Holes to receive Ornamental Stones.

Price ... 3/3, and 5/5 each.



No. 1528w. Felt Brush for Burnishing ... 2/2

No. 1529w.

Scissors ... 1/6

No. 1525w. Embossing Iron, 5/5

No. 1526w. Piercer for Nail Holes, 3/3

No. 1527w. Nail Driver, 4/4



**Pewter Sheet.** No. 1530w. THICKNESS.  
Soft and pliable. { Thin Sheets (0.2 mm.) 3/6 per sheet (21 in. x 15 1/2 in.)  
Specially prepared. { Medium Sheets (0.3 mm.) 4/3 " (21 in. x 15 1/2 in.)  
{ Large Sheets (0.3 mm.) 10/- " (36 in. x 24 in.)

**Silver Sheet.** No. 1530 1/2 w. In lengths, 4 1/2 in. wide (47 sq. in. to oz.) (0.1 mm.) 4/- per oz. (Avoir.).

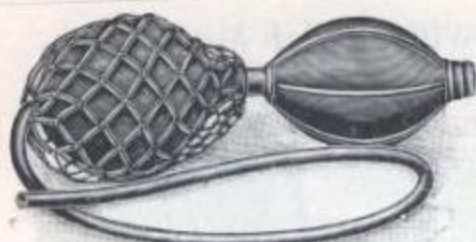
No. 1531w.	Linoleum, 10 in. x 8 in.	4/4
" 1532w.	Felt, 10 in. x 8 in.	5/5
" 1533w.	Plate Glass Slabs, 10 in. x 8 in.	9/9
" 1534w.	Grease Remover (in bottles)	6/6
" 1535w.	Metal Varnish (in bottles)	10/10
" 1536w.	Patina Colouring (in bottles)	7/7
" 1537w.	Ivory-Filling Material	4/4
" 1538w.	Burnishing Powder	3/3
" 1539w.	Mounting Pins (in boxes)	3/3
" 1540w.	Hammer	7/7

## Ornamental Stones. No. 1541w.

FOR DECORATION OF PEWTER MODELLING WORK.  
Boxes containing 4 1/2 doz. stones, assorted sizes, 3, 5, 7, and 9 mm., supplied in any of the following colours:

OPAL, EMERALD, AMETHYST, RUBY, SAPPHIRE, OR TURQUOISE, 6/- per box, any colour.  
" CALCEDON " STONES, No. 1542w, size 9 mm. ... 9/9 doz. stones.  
" LILAC MARBLE " " 1543w, " 12 " ... 1/3 " "  
" CATSEYE " " 1544w, " 12 " ... 1/3 " "





**Rubber Bellows.**

(Tubing for connecting Cork Handles extra.)

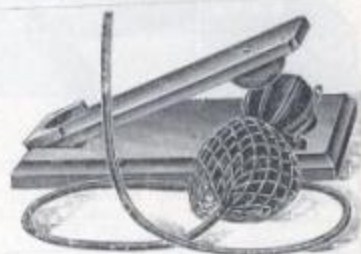
## Poker Reserve Parts, etc.

No. 1545W.	Black Bellows, with red stripes (usual size)	1/9 each.
" 1546W.	Best Black Bellows (usual size)	1/11 "
" 1547W.	" " " large size for Relief Poker work	2/9 "
" 1548W.	" " " extra large size for Relief Poker work	3/6 "
" 1549W.	" " " extra large size with 54 in. tubing for Foot Bellows	4/6 "
" 1550W.	Black Bellows, with red stripes, with 54 in. tubing for Foot Bellows	3/9 "
" 1551W.	Rubber Tubing to connect Cork Handle No. 1556W, 36 in long	-/5 "

## New Improved Foot Bellows.

These are very practical and will be found most useful to all who do much poker work, as both hands are left free.

No. 1552W.	Complete with Bellows	4/11 each.
No. 1553W.	Complete with Best Bellows	5/11 "



**Vulcanite Connection Cork.**

(Union.)

No. 1554W. ... -/6 each.



**Registered.**

No. 1555W.

## "Pyro" Flame-Top.

As supplied with the "Pyro" and "Grafton" Machines. It will fit the usual glass bottles sent with our Machines.

1/11½ each.



No. 1558W.

**Complete Metal Bottle**

with regulating Top as used in "Simplex" Machines. 6/11 each.



No. 1559W.

**Nickel-Plated Spirit Lamp.**

As fitted in "Popular" and "Amateur" Machines. -/5 each.



**Cork Handle to Regulate.**

The Benzoline Gas can, by turning the tap, be regulated so that the point may be kept at a constant dull heat, which is useful for shading and fine work.

No. 1556W.

-/11 each.



No. 1557W.

**Usual Cork Handle.**

-/6 each.



No. 1560W.

**Nickel-Plated Spirit Lamp.**

Made to fit our Poker Boxes. -/9 each.



**Glass Benzoline Bottles.**

No. 1561W.

Usual size ... -/4 each.

No. 1562W.

Small size for "Amateur" Machine. -/4 each.

Orders of 20/- and upwards Carriage Paid (with few exceptions).

Rd. MELHUISE, Ltd., Fetter Lane, Holborn Circus, London, E.C. 211

# "Crescent" Series of Cheap Platinum Points.



**NOTE.**—The "Crescent" Series have been introduced to suit such artists who do not wish to pay the price for our best qualities bearing the Trade Mark "M. & C." It should be understood that our initials always stand for quality and that the "Crescent" Points will not be stamped with "M. & C." as although we have made them up in an attractive shape, the sheaths are not so thick as our original patterns, but they have been made to equal the qualities usually sold on the Continent, and are the best value points that can be obtained.

Prices subject to alteration without notice.

## Sundries for Relief Poker Work.

### Poker Spectacles.



Made of plain glass to fit closely over the eyes, so as to protect them from the smoke of the pokered material.

No. 1573w. Black Leather, -/5 ea.  
No. 1574w. Selvyt Velveteen, -/8 "



### Steel Wire Scraper.

Made of extra strong Steel Wire for brushing off the charred surface of the Wood, particularly for Backgrounds and other parts where it is difficult to reach with ordinary Wire Brushes.

No. 1576w. ... -/11 each.

### Steel Wire Brushes.



Invaluable to Relief Burners for brushing off charred parts of the wood, cleaning and smoothing.

No. 1578w.	1 row	-/3 each.
" 1579w.	2 rows	-/5 "
" 1580w.	3 "	-/7 "

### Set of Carving Tools.

For Relief Poker Work.



No. 1581w.

No. 1582w.

No. 1583w.

No. 1584w.

Complete with handles ... -/9 each.

See also pages 146-51.

### New Regulating Union.

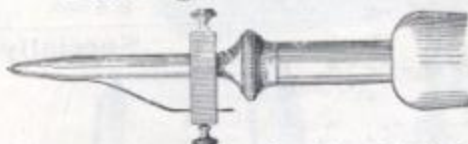
This Union can be regulated so as to supply the exact strength of Benzoline Gas that is needed to heat the point and also allow the use of fresh Benzoline.

Platinum Points that will not heat up properly with a fixed Union will be found to work satisfactorily with this new Regulating Union.

No. 1575w. ... 2/- each.



### Shading Attachment.



Amateurs often find it difficult to keep the points at a regular low heat for doing fine shaded work. These attachments consist of a pair of thin metal springs (one broad and one narrow), which are held by a screw in such a position as to intercept the heat from the red-hot point and to give a comparatively low heat for doing shading work.

No. 1577w. ... 1/- each.



### Collapsible Stand.

To prevent upsetting the Benzoline Bottle

No. 1585w.


Stand only,

-/5 each.


A large and varied Stock of Engineers' Tools and Motor Accessories.




# Platinum Points. Natural Sizes.




No. 1586w.  
Flat. Small Size.  
"B" Quality.  
6/4 each.




No. 1587w.  
Flat. Standard.  
"A" Quality.  
8/4 each.




No. 1588w.  
Flat. Special.  
Star Quality.  
11/9 each.




No. 1589w.  
Horn Shape.  
Standard "A"  
Quality.  
8/4 each.



No. 1590w.  
Horn Shape.  
"B" Quality.  
6/4 each.




No. 1591w.  
French Horn  
Shape.  
8/11 each.




No. 1592w.  
Round Sharp.  
Standard  
Quality.  
8/4 each.


All Points are arranged to fit ANY of our Machines.




No. 1593w.  
Extra Fine Flat.  
7/8 each.



No. 1594w.  
Claw-Shape.  
7/8 each.




No. 1595w.  
Smoke-Diffusing.  
Flat Point.  
8/4 each.



No. 1596w.  
Flat.  
"C" Quality.  
4/4 each.

THE INITIALS "M. & C." STAND FOR QUALITY.

## Shading Point.




No. 1597w.


For producing light or dark shades of a very soft tint. These Points are not to touch the wood, but are so constructed that they blow hot Benzoline-Gas upon the material and produce light or dark shades, according to a slower or more rapid pressure of the bellows. They are particularly useful in Portrait and Landscape Drawings.

8/3 each.


## Specially Constructed Points for Relief Burning.




No. 1598w.  
Knife Point.  
Standard "A"  
Quality.  
18/6 each.




No. 1600w.  
Bent Knife Point  
for Outlining  
and Modelling.  
"A" Quality.  
18/6 each.




No. 1601w.  
Bent Knife Point.  
"B" Quality.  
14/3 each.




No. 1602w.  
Modelling Point.  
Small Size "B."  
Quality.  
12/6 each.



No. 1603w.  
Triangular  
Piercing Point.  
10/2 each.



No. 1604w.  
Edge Point for  
Incisive Work.  
10/2 each.



No. 1605w.  
Skew Point  
Specially for Out-  
lining "Mosaic"  
and Fine Work.  
10/2 each.

Prices subject to alteration without notice.

Repairs Executed at Low Prices. Allowance made for old or damaged Points (Platinum parts) at more than the value of Fine Gold.

Contractors to the Home, Indian, and Colonial Governments.



### The "Original" Wood-Burning Machines.

These Machines were the first to be offered to the public, and this make is still the best.

No. 1606w.

ALL MACHINES (except "AMATEUR") CAN BE SUPPLIED WITH HORN-SHAPE POINTS, IF PREFERRED, AT SAME PRICES.

The "Original" No. 1 with a special strong quality Platinum Star (\*) Point (No. 1588w), large best Rubber Bellows, size 5, etc. Cloth Covered Wood Box.

Price 20/6 each. Extra Points, 11/9 each.



No. 1607w.

The "Original" No. 2 with a Standard "A" Platinum Point (No. 1587w), best Bellows, etc. Cloth Covered Wood Box.

Price 15/11 each. Extra Points, 8/4 each.



No. 1608w.



NEW PARTS FOR ALL MACHINES CAN ALWAYS BE OBTAINED SEPARATELY.



The "Original" No. 3 has a Standard "A" Platinum Point, best Bellows. The Box is made of Polished Cherry Wood.

Price complete with Platinum Point (No. 1587w), 15/11 each. Extra Points, 8/4 each.



No. 1609w.

The "Popular" is a dark waxed Hardwood Box, with a "B" Platinum Point, Black Bellows, Nickel Spirit Lamp.

Price complete with Platinum Point (No. 1586w), 12/6 each. Extra Points, 6/4 each.



No. 1610w.

Small and handy for Travelling and Lessons.

No Spirit Lamp is needed.

Size 5½ x 4 x 2½ in.

The "Companion" is made to pack conveniently into a small space. No Spirit Lamp is needed, a horizontal Flame Top being provided which is fixed to the bottle when in use (as shown in illustration).

The "COMPANION" fitted with No. 3 Black Bellows, No. 1586w, B Flat Platinum Point, etc.

Price 16/- each. Extra Points, 6/4 each.



No. 1611w.

The "Amateur" is an efficient but inexpensive apparatus. It has a C quality Platinum Point, Black Bellows, etc. Complete with Platinum Point (No. 1596w).

Price 10/- each.

Extra Points, 4/4 each.

Bronze Medal, 1884.—Gold Medal, 1890.



# The "Pyro" Poker Machine.

No. 1612W.



The "Pyro" Flame-top can be supplied separately, and will fit any of the Glass Bottles supplied with the Machines.  
Price 2/3 each.



The "Pyro" is a very handy machine, with an exceedingly simple flame or burner-top. The flame-top which takes the place of the Spirit Lamp in the "Original" Machines, is worked exactly like a gas jet, and burns entirely without smell. The Platinum Point is the standard quality, as fitted to "Original" No. 2 or 3, and the "Simplex" machine. The "Pyro" machine is cheaper than the "Simplex" on account of the simplicity of the flame-top.

The "Pyro" complete with Standard "A" Point (No. 1587W), 16/10 each. Extra Points, 8/4 each.

## The "Simplex" HAS A WELL FINISHED NICKELLED BOTTLE.



## The "Simplex" Poker Machine.

No. 1613W.

The "Simplex" is so constructed that the Benzoline which is required to keep the Platinum Point red-hot is utilized also for heating the Point at first, thereby dispensing with the Spirit Lamp used with the "Original." The flame is blue and perfectly smokeless.



By turning the round Vulcanite Disc to certain marks, the Benzoline Gas supplies the Lamp, or it may be directed, by a turn, into the heated Point, and keeps this red-hot. By another turn, all escape from the bottle is shut off, and this can now be safely packed away and carried in any position. The "Simplex" with Standard "A" Point (No. 1587W) complete, 22/6 each. Extra Points for the "Simplex," 8/4 each.

No. 1614W.

## Special Machines for "Relief Poker" Work.

FOR LIST OF  
CARVING TOOLS, etc.,  
SUITABLE FOR  
CUTTING AWAY  
BACKGROUND  
IN RELIEF  
POKER WORK,  
see pages 146-51.



The "Griffin" Machine is fitted with extra large best Bellows, Size 6. Griffin No. III., with one Platinum Point (No. 1600W, large Bent Knife), 27/6 each.



## The "Grafton" Machine.

Fitted with large best Bellows, Size 5, and "Pyro" Flame-top, making Spirit Lamp unnecessary. Grafton No. II., with Platinum Point (No. 1601W, Bent Knife), 23/6 each.

Tool, Machine, and Hardware Merchants and Manufacturers.



## Leather Workers' Tools.

No. 1616W.



A. Hammer	...	Price 2/-	2/6	3/- each.
B. Dresden Tool	...	Price 1/-		
C. Point	...		1/-	
D. "	...		1/3	
E. Knife	...		1/-	
F. Small Modelling Tool	...		1/3	
G. Large "	...		1/6	
H. Wheel	...		1/6	
I. Ring Punch	...		-/9	
J. Matting Tool	...		1/-	
K. Square Nail Head Punch	...		-/9	
L. Oval "	...		-/9	
M. Steel Rule, length 12 in.	...		-/9	
N. Brass Rule	...		-/6	

No. 1617W.

## The Cheapest Reliable Watches ever made.



The "DEFIANCE," 3/9.

Just as an Advertisement we are offering these Fully Warranted Watches and Travelling Clocks at the extremely low price of 3/9 and 5/3 respectively.

**"DEFIANCE."** The "Defiance" Watch is strong, reliable, and accurate. The movement is regular 16-size, lantern pinions, American Lever escapement. Cases in Nickel and Gun-metal finishes (same price).

*A Printed Guarantee given with each Watch.*



The "TWO-IN-ONE," 5/3.

**"TWO-IN-ONE."** The "Two-in-One" makes an excellent Paper Weight or Travelling Clock, and is useful in many ways about the house. It consists of a regular "Defiance" Watch fitted into a specially-made holder of unique construction. The outside holder can be had in a choice of finishes, Copper, Brush Brass, or Gun-metal, and is removable, thus leaving the Watch free to be worn in the ordinary way.

**SEND FOR ONE OF THESE "SPLENDID VALUE" TIMEKEEPERS. WARRANTED!**

*Watch, 3/9; Case, 1/6 extra; Complete, 5/3.*

**R. MELHUISH, Ltd., 50, 51 & 84, Fetter Lane, London, E.C.**

**IMPORTANT TO THOSE ORDERING THROUGH SHIPPERS.**—In order to ensure getting complete satisfaction, we advise our friends to be careful in giving definite instructions that the goods shall be procured direct from our house. By this means you may be sure of receiving the pattern and quality specified in our Catalogues.—Rd. MELHUISH, Ltd.

**Orders of 20/- and upwards Carriage Paid (with few exceptions).**



## Tools and Materials for Bent-Iron Work.

No. 1618W.  
Candlestick.

Iron Sockets -/8 each.  
Copper " 1/- "

No. 1619W.



Fancy Candle Sockets.

Iron ... -/4½ each.  
Copper ... -/8 "

Widths of Stock Sizes. In 24 in. lengths. No. 1620W.

1/8 in.	
1/4 in.	
3/8 in.	
1/2 in.	
5/8 in.	
3/4 in.	

The Copper and Brass are beautifully polished by machinery, and will be found to be quite as pliable as our well-known Strip Iron. As these highly polished metals are very quickly tarnished by the atmosphere and hot hands, they should be lacquered at the earliest opportunity. Until this is done, or before using, it should be kept well wrapped up.

Best Quality Strip Iron, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4 in.	... -/8 lb.
Copper or Brass, 1/8 to 1/2 in. wide	... 2/- "
" " " "	... -/6 "
Framing Iron, 3/8 in., 1/2 in.	... -/1 reel.
Binding Wire	... -/3 oz.
Iron Rivets	... -/4 "
Copper Rivets	... -/4 "

No. 1621W.  
Candlestick.

9 in. and 10 in.,  
-/7 each.

No. 1622W.



Candle Sockets.

Iron ... -/2½ each.

Bright Shears. No. 1623W.



Price ... 1/6 each.

Cutting Shears. No. 1624W.



5 in., 1/2; 6 in., 1/2; 7 in., 1/3 each.

No. 1625W.



Closing Pliers.

1/3  
each.

No. 1626W.



Special Bright Curved Shears.

1/9  
without Spring  
2/3 with "

Flat and Round Nose Pliers.



No. 1627W.



No. 1628W.

Flat or Round Nose	... 4 in., 1/1	4½ in., 1/1	5 in., 1/1	6 in., 1/7 each.
" " " Cheaper Quality	... -/7	" -/7	" -/8	" -/9 "

A large and varied Stock of Engineers' Tools and Motor Accessories.

No. 1629w.

### Hexagon Pot Stand.



7 in. side to side.  
6½ in. deep.  
Total depth, 9½ in.

Price 1/9.

Packing -/6 extra.



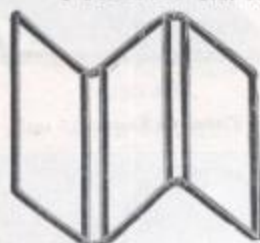
No. 1632w.

### Copper Leaves.

-/2 each; 1/6 per doz.

### Photo or Picture Frames.

No. 1634w.



C.D.V. or Cabinet.

Single -/1½; Double -/2½ each.

2-fold Hinged ... -/5 "

3-fold " ... -/7 "

### Melhuish's Dead Black Paint.

No. 1637w. -/10 per Bottle.

Brushes for do., -/4 and -/6 each.

### Bracket.

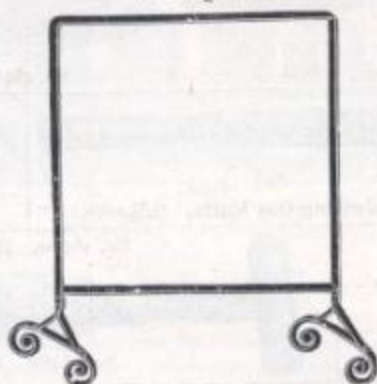
No. 1638w.

9 in. x 9 in. -/3 each.

10 " x 10 " -/4 "

### Framework for Fire Screens.

No. 1630w.



With Scroll Feet.

20 x 20 in. 24 x 20 in. 24 x 24 in.

2/-

2/3

2/6

Two-fold Fire-Screen, 30 by 17 in.

If ordered packed, 4/- extra.

Extra Quality Square Wrought-Iron Fire Screens, Riveted and Brazed, Complete with Ornamental Feet and Handle.

Framework only, or Trimmed and Finished.

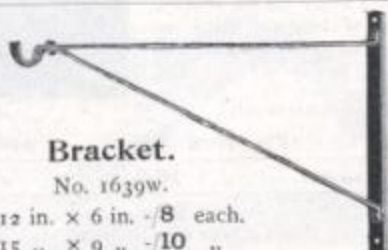
Prices on application.

### Framework for Paper or Music Stand.

No. 1635w.



Price 2/6 each.



### Bracket.

No. 1639w.

12 in. x 6 in. -/8 each.

15 " x 9 " -/10 "

### Hexagon. Lantern Frame.

No. 1631w.

Sizes of Planes,

9 in. x 3 in.

Price 3/-.

10 in. x 3½ in.

Price 3/6.

Larger sizes to order.



### Candlesticks.



No. 1633w.

Candelabra Frames.

With Plain Sockets,  
2/3  
and  
3/- each.

Packing, -/6 extra.

### Bent Iron Work.

No. 1636w.

Including Elementary Art Metal.

CONTENTS: Tools and Materials. Bending and Working Strip Iron. Simple Exercises in Bent Iron. Floral Ornaments for Bent Ironwork—Candlesticks, Hall Lanterns, Screens, Grilles, etc., Table Lamps, Suspended Lamps and Flower Bows, Photograph Frames, Newspaper Rack, Floor Lamps, Miscellaneous Examples, Index.

With 269 Engravings and Designs.  
Cloth, price 1/- net.

### Bracket.

No. 1640w.

12 in. x 6 in.,

-/8 each,

15 in. x 9 in.,

-/10 each.



All goods carriage forward.

Contractors to the Home, Indian, and Colonial Governments.



Bookbinders' Sundries.



No. 1641w. Paper Knife. Buckhorn Handle. 5/6 each.  
Common " 3/6 "



No. 1642w. Trimming Knife. 4/- each.



No. 1643w. French Paring Knife. 2/6 each.



No. 1644w. Cutting Out Knife. 2/3 each.



No. 1645w. Gold Knife. 2/6 each.



No. 1646w. Paring Knife. 1/- each.



No. 1647w. Round Polishing Iron. 5/- each.



No. 1649w. 1, 2, and 3-line, 2/- to 2/6. With Fence, 3/3



No. 1650w. Tooth Agate Burnisher. 5/6 each.



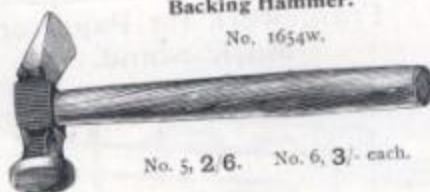
No. 1651w. Trindle, Ordinary, 2/- pair.  
" Horseshoe, 3/- "



No. 1652w. Flat Agate Burnisher. 5/6 each.



Beating Hammer.  
No. 1653w.



Backing Hammer.  
No. 1654w.



Knocking Down Iron.

No. 1655w. Planed on Face. 5/- each.



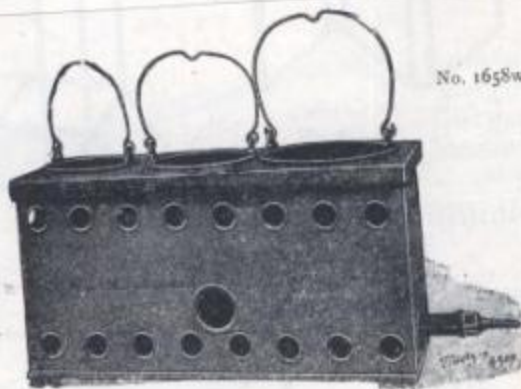
No. 1656w.

Safety Glue Pots and Heaters for Gas.

With Burners protected to suit the requirements of Insurance Companies.

The Outer Casting is of Galvanized Iron, and the Glue Pot is of Cast Iron, Tinned inside.

They are made singly (as No. 1656w), also in sets of two and three (as No. 1658w) of all the standard sizes of pots.



No. 1658w.

		Prices of Heaters only:									
No. 1656w.	To hold 1 Pot, $\frac{3}{4}$ to 1 pint.	7/6	...	1½ to 3 pints.	8/6	...	4 pints.	10/6	...	5 and 6 pints.	12/6 each.
" 1657w.	" " 2 Pots, " "	16/6	...	" " "	16/6	...	" "	16/6	...	" "	24/- "
" 1658w.	" " 3 " " "	20/-	...	" " "	20/-	...	" "	20/-	...	" "	30/- "
		Prices of Glue Pots to Suit:									
Size ...	...	...	...	...	...	...	...	...	...	...	...
Price ...	...	...	...	...	...	...	...	...	...	...	...

Bronze Medal, 1884.—Gold Medal, 1890.

## Printers', Bookbinders', etc., Requisites.



### Guillotine Paper Knives.

No. 1659w.

Charged by length of cut as follows:

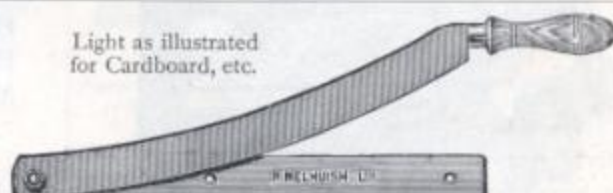
Not exceeding $\frac{3}{8}$ in. thick	...	...	...	up to $4\frac{1}{2}$ in., -/10 $\frac{1}{2}$	...	5 in., -/11	...	$5\frac{1}{2}$ in. wide, 1/- in.
Over $\frac{3}{8}$ in. and not exceeding $\frac{7}{16}$ in. thick	...	...	...	" $4\frac{1}{2}$ " -/11	...	5 " 1/-	...	$5\frac{1}{2}$ " 1/2 "
" $\frac{7}{16}$ " " " $\frac{1}{2}$ " "	...	...	...	" $4\frac{1}{2}$ " -/11 $\frac{1}{2}$	...	5 " 1/1	...	$5\frac{1}{2}$ " 1/3 "
" $\frac{1}{2}$ " " " $\frac{9}{16}$ " "	...	...	...	" $4\frac{1}{2}$ " 1/-	...	5 " 1/2	...	$5\frac{1}{2}$ " 1/6 "

Furnival's, Crossland's, Harrild's, and other patterns also supplied.

### Bench Knives.

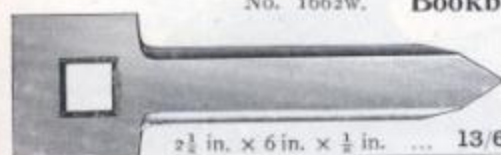
No. 1660w.	To cut	...	12 in.	...	15 in.
	Price	...	12/6	...	14/6 pair.
<hr/>					
To Cut	16	No. 1661w.	Strong.		
		18	20	24	30
Price	...	18/6	19/6	21/6	25/-
				33/6	41/6 pair.

Light as illustrated for Cardboard, etc.



### No. 1662w. Bookbinders' Plough Knives.

No. 1663w.



$2\frac{1}{2}$ in. x 6 in. x $\frac{1}{2}$ in.	...	13/6 doz.
$2\frac{1}{2}$ " x 7 " x $\frac{1}{2}$ "	...	14/6 "
$2\frac{1}{2}$ " x 8 " x $\frac{1}{2}$ "	...	15/- "



$\frac{5}{8}$ in. x 10 in. x $\frac{1}{8}$ in.	...	10/6 doz.
1 " x 9 $\frac{1}{4}$ " x $\frac{1}{8}$ "	...	13/6 "

### Bookbinders' Cornering Knives.

No. 1664w.

No. 1665w.



$1\frac{1}{2}$  in. x 3 in. by  $\frac{1}{4}$  in. ... 18/- doz.



$1\frac{1}{2}$  in. x 3 in. x  $\frac{1}{4}$  in. ... 13/- doz.

Other sizes at proportionate prices.

### Label, Card, or Envelope Cutter.

Paper Bag Knives.

Dead Knives.

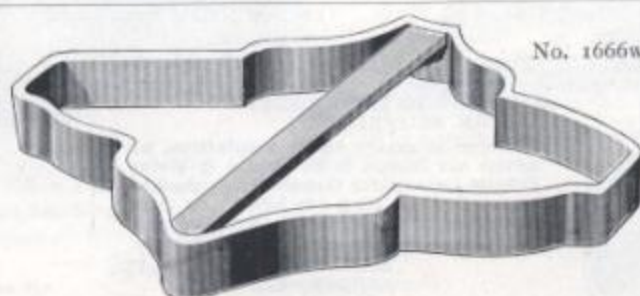
Ledger Blades.

Doctor Blades.

Machine Blades.

Deckling Knives.

Paper-cutting Knives.



No. 1666w.

Circular Paper Cutters.

Type Planing Knives.

Prices for these and other Cutters quoted on receipt of specification.

Cutters for Press or Hand-work of all shapes and designs, with or without crossbars, plain or deckled edges.

Tool, Machine, and Hardware Merchants and Manufacturers.



# Bookbinders' Tools, etc.

No. 1667w.

## Lever Guillotine Cutting Machine.

For Bench.

All Iron, with Wrought Iron Handle, Safety Catch and Back Gauge. Cuts 12 in. wide by 2 in. deep ... £8 : 5 : 0  
20 in. Machine, as above, on Iron Stand ... £18 : 0 : 0



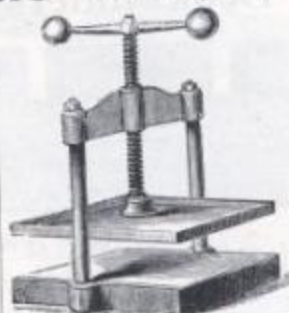
## Screw Press.

No. 1668w.

With 2 Wrought Iron Pillars. For Small Work.

Follower 15 x 12 in. £4 : 15 : 0  
" 18 x 13 in. 5 : 15 : 0  
" 20 x 14 in. 6 : 19 : 6

Quotations for other sizes on application; also for Pressing Boards, Pressing Plates, and Pressing Tins.



## Hand Lever Perforating Machine.

No. 1669w.

Special 10 in. Machine, with Extra Stout Steel Plates and Hardened Steel Pins. Open ends. Will take any length sheet. Ordinary fixed comb of pins (not adjustable) with Gauges complete, £2 : 12 : 6



## No. 1670w. Brass Type Holder.



2 1/2 in. long, Common ... 5/6 each.  
2 1/4 in. " with Spring Slide ... 7/6 "  
3 in. " " " " " " 9/6 "

## Brass Type, Block and Tool Cabinet. No. 1671w.

Contains 12 Trays, each 12 x 9 in., fitted as follows:—Six each to hold 2 Founts of Brass Type, with Figures and Spaces. Three Open Trays with False Bottoms for 2 tiers of Blocking Plates. Three, as Sliding Rests for Rolls, Tools, etc., etc.

Price ... £2 : 17 : 6

### IMPORTANT TO THOSE ORDERING THROUGH SHIPPERS.

In order to ensure entire satisfaction, we advise our friends to be careful in giving definite instructions that the goods shall be procured direct from our house. By these means they may be sure of receiving the pattern and quality specified in our Catalogue.

RICHARD MELHUISE, LTD., LONDON, E.C.



No. 1672w.



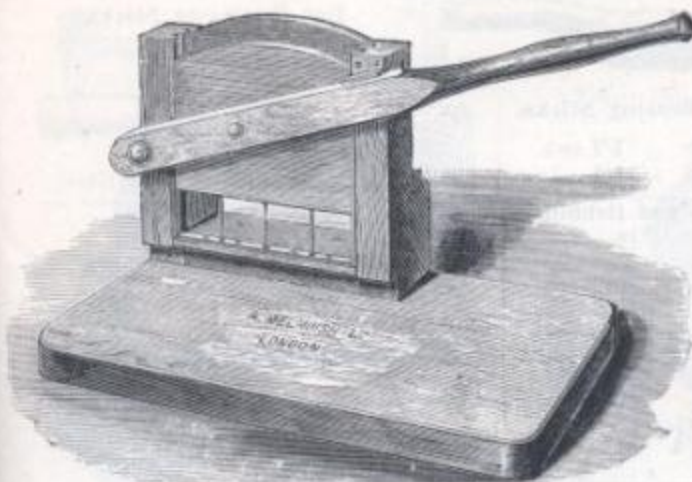
For Bench.

With Atmospheric Burner ... 17/6  
Stove for heating Glue with Atmospheric Burner ... 13/6  
Small Atmospheric Burner for heating Glue ... 4/9

All above Carriage Forward.

Orders of 20/- and upwards Carriage Paid (with few exceptions).

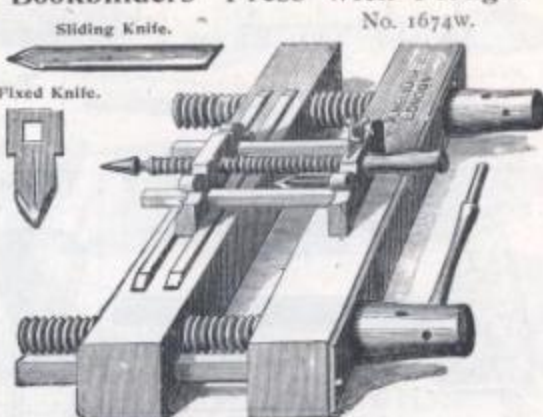
## Bookbinders' Tools, etc.



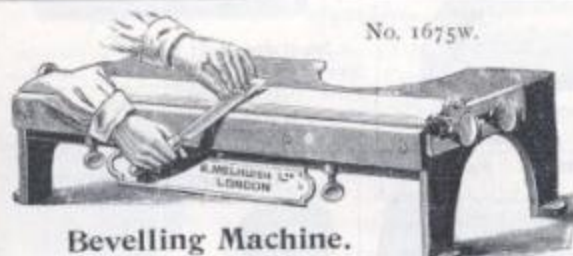
No. 1673W. **Wood Stabbing Machine.**

With Side Lever. Price £1 : 5 : 0.

### Bookbinders' Press with Plough.



Cutting Press only—		Plough only, with Sliding Knife—	
17 in. between Screws, with Pin only...	22/6	Small ...	16/6
21 in. ditto...	27/6	Middle ...	17/6
24 in. ditto...	34/6	Large ...	17/6
		Ordinary Plough and Fixed Knife ...	8/-



**Bevelling Machine.**

For Flat Work only, with Knife, for hand bevelling.  
Price ... £5 : 5 : 0.

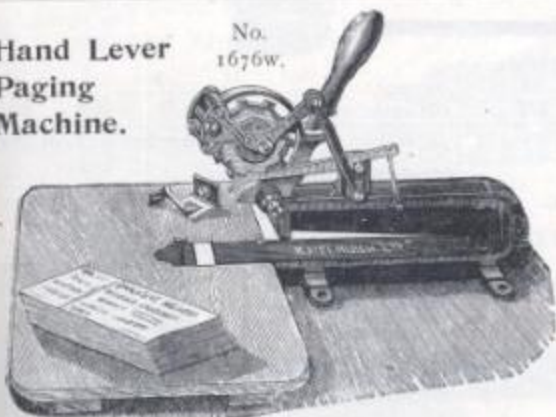


### Finishing Presses.

No. 1677W.

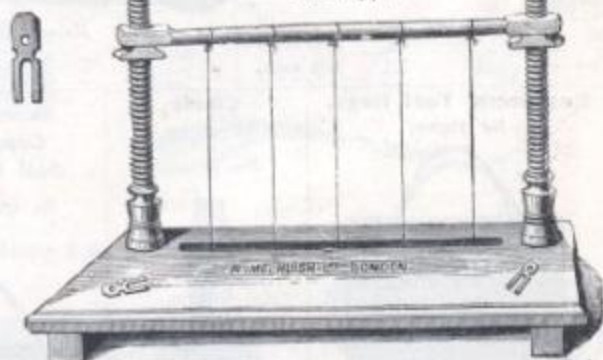
### Hand Lever Paging Machine.

No. 1676W.



Works alternately and consecutively. Hard Gun-metal Wheels, with Front Gauge Board and 2 Gauges. Will take a sheet 12 in. long.

With Three Wheels, numbering up to 999 ... £5 : 17 : 6  
" Four " " " 9999 ... 6 : 17 : 6



Each.	Each.
18 in. outside measure, 16/6	22 in. outside measure, 21/-
20 in. " " 18/6	24 in. " " 22/6

### Sewing Press.

Sizes between Screws	20	23	26	30	36 in.
Price	9/-	10/6	12/6	15/-	17/6 each.

Carriage Forward.

A large and varied Stock of Engineers' Tools and Motor Accessories.

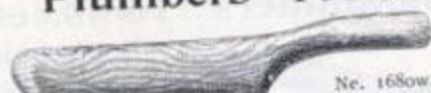


# Plumbers' Tools.

**Box Dressers.**  
No. 1 2 3 4  
1/4 1/7 1/10 2/5 each.



No. 1679w.



No. 1680w.

**Box Bossing Sticks.**

Large ... 1/7 each.  
Small ... 1/4 "

**Box Setting-in Sticks.**  
Price 1/3 each.



No. 1681w.

**Stretching Mallet.**  
No. 1682w.



Cane Handle.

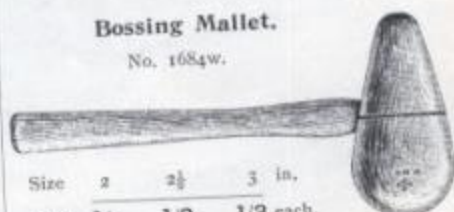
Size 2 1/2 2 3/4 3 in.  
Price 1/4 1/6 1/9 each

**Turnpins and Bobbins.**  
No. 1683w.



1	1 1/2	2	2 1/2 in.
-/2	-/3	-/4	-/8 each.
3	3 1/2	4	5 in.
-/10	1/2	1/6	2/8 each.

**Bossing Mallet.**  
No. 1684w.



Size 2 2 1/2 3 in.  
Price 1/- 1/2 1/3 each.

**Lignum Vitæ Reducing Mandrel.**  
No. 1685w.



Size 2 to 1 1/2 2 1/2 to 2 3/4 3 to 2 3/4 3 1/2 to 3 in.  
Price 2/3 2/9 3/- 4/6 each.

**Step Bender.**  
No. 1686w.



In Boxwood.

Price ... 1/6 each.

**Mandrels.** No. 1687w.



Small size, Box; large, Lignum Vitæ.  
Size 5 x 1 6 x 1 1/2 7 x 1 1/2 8 x 2 in.  
Price -/6 -/8 -/11 1/4 each.  
Size 10 x 2 1/2 12 x 3 13 x 3 1/2 15 x 4 in.  
Price 2/- 2/6 3/9 6/- each.

**Boxwood Mallet.**

No. 1688w.



Ash Handle.

Size 2 2 1/2 2 3/4 3 in.  
Price -/9 1/- 1/1 1/3 each.

**Boxwood Step Turners.** No. 1689w.



Price ... 2/- each.

**Dummies.** No. 1691w.

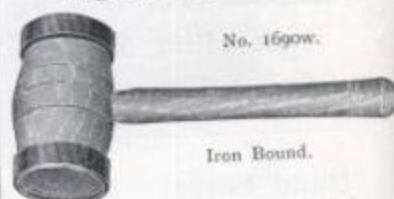


Malacca Cane Handle.

Size ... 15 18 24 in.  
Price ... 1/6 1/7 1/8 each.

**Lignum Vitæ Mallets.**

No. 1690w.



Iron Bound.

Size 2 1/2 3 3 1/2 4 in.  
Price 2/6 3/- 3/9 5/- each.

**Engineers' Tool Bags.**  
No. 1692w.



Same material as "Hardware Baskets," Eyeletted and Roped.  
Size 15 x 20 in. 1/6 each.  
" 18 x 20 " 1/8 "  
" 20 x 20 " 2/- "

**Chase Wedges.**  
No. 1693w.



2 2 1/2 3 in.  
-/10 1/- 1/3 ea.

**Copper Soil Pots.**  
No. 1694w.



Price 2/- each.

**Steel Scribing Plate.**  
No. 1695w.



Price 1/3 each.

**Plumber's Tool Bag.**  
No. 1696w.



Made of Fancy Carpet, fitted with Lead Eyelets, and Roped. Not Leather Bound.  
Size ... 16 x 23 in.  
Price ... 3/- each.

Contractors to the Home, Indian, and Colonial Governments.

## Plumbers' Tools.

No. 1697w.



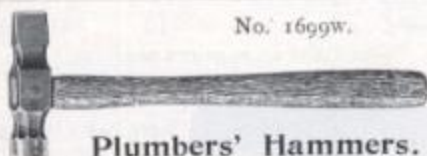
Steel Shave Hooks.

Either Pattern, -/9 each.

No. 1698w.



No. 1699w.



Plumbers' Hammers.

Price ... 1/- 1/2 1/6 1/9 2/3 each.

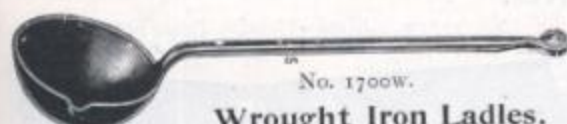


Plumbers' Combination Shave Hook.

No. 1701w.

Complete with set of four blades, as illustrated, 2/9.

Extra blades, No. 1 -/7 2 -/7 3 -/7 4 -/9 each.



No. 1700w.

Wrought Iron Ladles.

Sizes 2 3 3 1/2 4 5 6 in.  
Price -/4 -/5 -/6 -/8 -/10 1/3 each.

Melting Pots.

With Improved Pattern Upright Ears.

No. 1702w.

1	1 1/2	2 1/2	4	6 pints capacity.
4	5	6	7	8 inch.
1/-	1/3	1/8	2/2	2/9 each.
8	12	16	20	pints capacity.
9	10	11	12	inch.
3/6	4/-	5/-	6/-	each.

Plumbers' Knives.

No. 1703w.



Folding Pattern, 1/4 1/8 2/2.

Special Thick Back and Fixed Blade Pattern, 2/6.

Improved Pattern  
Lead and Zinc Cutter.



No. 1704w. Price ... 1/6 each.

Plumbers' Irons.

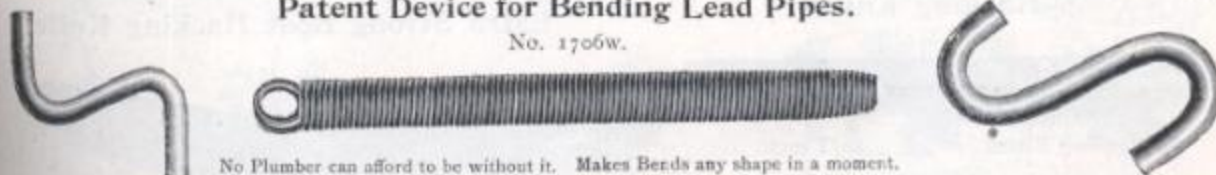
No. 1705w.



Price ... -/7 per lb.

Patent Device for Bending Lead Pipes.

No. 1706w.



No Plumber can afford to be without it. Makes Bends any shape in a moment.

Drive the Plug provided through the pipe to take out any irregularities, should there be any, then put a few drops of oil on the spring. Place it inside the pipe and bend to the desired shape.

To remove the Bender from the pipe, after the bend is made, bend back a trifle on each bend, and then turn the Bender to the right, which decreases its diameter, and pull at the same. Every Bender is warranted if directions are followed.

Size ...	1	1 1/2	1 3/4	2	2 1/2	3	3 1/2	4 in.
Price ...	1/9	2/3	3/-	4/-	12/-	15/9	17/9	21/6 each.

Bronze Medal, 1884.—Gold Medal, 1890.



**Glaziers' and Painters' Knives.**

No. 1707w. Cocoawood Handle, Spear Point.



Size	...	4½	5	5½ in.
Price	...	-/6	-/6½	-/7½ each.

No. 1708w. Ebony Handle, Brass Ferruled, Clipped Point.



Size	...	4½	5	5½	6 in.
Price	...	-/8	-/9	-/10	-/11 each.

Spear Point same prices as above.

No. 1709w.

Clipped Point,  
Cocoawood Handle.

Size	4½	5	5½
Price	-/6	-/6½	-/7

**Chisel Knives.**

No. 1710w. Cocoawood Handle.



Size	...	4	5	6 in.
Price	...	-/6	-/6½	-/8 each.

No. 1711w. Ebony Handle, Brass Ferruled.



Size	...	4	5	6 in.
Price	...	-/8	-/9	-/11 each.

**Palette Knives.**

No. 1712w. Plain Shoulder, Scale Tang.



Sizes	...	4	5	6	7	8	10	12	14	16 in.
Plain Tang	...	-/5	-/6	-/6½	-/8½	-/10½	1/6	2/6	3/6	4/9 each.
Scale	...	-/5	-/6	-/8	-/10	1/1	1/9	2/9	3/9	5/- ..

No. 1713w. Plain Shoulder, Round Tang.

**Wall Scraper.**

No. 1714w. Hardwood Handle and Bright Ferrule.



Size	...	5 x 3	6 x 3 in.
Price	...	-/8	-/10 each.

No. 1715w. Ebony Handle, Brass Ferrule.



Size	...	5½ x 3	6 x 3	6 x 4 in.
Price	...	1/3	1/6	1/9 each.

**Hacking Knives.**

No. 1716w.



3 Rivets ... -/7 each.

No. 1717w.



2 Rivets ... -/6 each.

**Extra Strong Bent Hacking Knife.**

No. 1718w.



Length	...	4½	5 in.
Price	...	1/2	1/4 each.

**Tool, Machine, and Hardware Merchants and Manufacturers.**

Rd. MELHUISE, Ltd., Fetter Lane, Holborn Circus, London, E.C. 225

## Paperhangers' Tools.

No. 1719w.

### Paperhangers' Rollers.

With Polished Handles to unscrew.  
Size 3½ in. wide.

- No. A. Covered Chamois Leather.  
Price ... 1/3 each.
- No. B. Covered Thick Baize.  
Price ... 1/5 each.
- No. C. Covered Indiarubber.  
Price ... 1/9 each.
- No. D. Seam Roller, 1½ in. wide,  
Boxwood, price 1/- each.



No. 1720w.

### Paperhangers' Rollers.

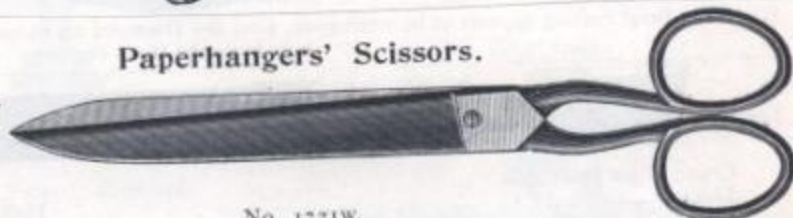
With Polished Handles to unscrew.  
Size 7 in.

- No. E. Covered Chamois Leather.  
Price ... 1/8 each.
- No. F. Covered Thick Baize.  
Price ... 1/10 each.
- No. G. Covered Indiarubber.  
Price ... 2/2 each.
- No. H. Angle Roller, 1½ in. wide,  
Boxwood, price 1/4 each.

Large Bows as illustrated,  
Sizes 10 11 12 in.  
3/- 3/6 4/3 each.

No. 1722w.  
With one Blunt End Blade,  
Sizes 10 11 12 in.  
3/- 3/6 4/3 each.

### Paperhangers' Scissors.



No. 1721w.

No. 1723w.

### Glazier's Square, Boxwood.

Length	...	24	...	30	...	36	...	42	...	48 in.
Price	...	1/9	...	2/-	...	2/3	...	2/9	...	3/- each.

### Straight Bench Rules.

No. 1724w.  
Boxwood Bench Rules ... 1 in. wide, 1/8 in. thick, 3 ft. long, without tips, -/9 If Brass tipped, 1/- each.  
Best Boxwood Rules ... 1½ x ¼ in., 3 ft. 1/6; 4 ft. 2/6; 5 ft. 3/6; 6 ft. 5/-, all Brass tipped at each end.



### Paint Cans.

No. 1725w.

No. 1726w.



Size	...	5	6	7	8 in.
Price	...	-/6	-/7	-/8	-/9 each.

Without hook handle,  
1d. each less.

### Fixed Brass Gauze Strainers.

No. 1727w.



Size	...	7	8	9 in. at top
Price	...	-/9	-/11	1/2 each.

### Improved Movable Bottom Paint Strainers.

No. 1728w.



Size, Gauze	...	5	6	6½ in.
Price	...	1/9	2/3	2/10 each.

Gauzes for Paint Strainers,  
-/5 -/7 -/9 each.

Orders of 20/- and upwards Carriage Paid (with few exceptions).



### Glaziers' and Painters' Knives.

No. 1707w. Cocoawood Handle, Spear Point.



Size	...	4½	5	5½ in.
Price	...	-/6	-/6½	-/7½ each.

No. 1708w. Ebony Handle, Brass Ferruled, Clipped Point.



Size	...	4½	5	5½	6 in.
Price	...	-/8	-/9	-/10	-/11 each.

Spear Point same prices as above.

No. 1709w.

Clipped Point,  
Cocoawood Handle.



Size	4½	5	5½ in.
Price	-/6	-/6½	-/7½ ea.

### Chisel Knives.

No. 1710w. Cocoawood Handle.



Size	...	4	5	6 in.
Price	...	-/6	-/6½	-/8 each.

No. 1711w. Ebony Handle, Brass Ferruled.



Size	...	4	5	6 in.
Price	...	-/8	-/9	-/11 each.

### Palette Knives.

No. 1712w. Plain Shoulder, Scale Tang.



Sizes	...	4	5	6	7	8	10	12	14	16 in.
Plain Tang	...	-/5	-/6	-/6½	-/8½	-/10½	1/6	2/6	3/6	4/9 each.
Scale	...	-/5	-/6	-/8	-/10	1/1	1/9	2/9	3/9	5/- "

No. 1713w. Plain Shoulder, Round Tang.



Sizes	...	4	5	6	7	8	10	12	14	16 in.
Plain Tang	...	-/5	-/6	-/6½	-/8½	-/10½	1/6	2/6	3/6	4/9 each.
Scale	...	-/5	-/6	-/8	-/10	1/1	1/9	2/9	3/9	5/- "

### Wall Scraper.

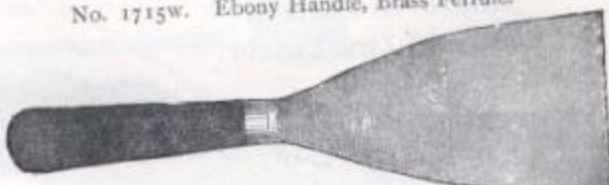
No. 1714w. Hardwood Handle and Bright Ferrule.



Size	...	5 × 3	6 × 3 in.
Price	...	-/8	-/10 each.

### French Chisel Knives.

No. 1715w. Ebony Handle, Brass Ferrule.



Size	...	5½ × 3	6 × 3	6 × 4 in.
Price	...	1/3	1/6	1/9 each.

### Hacking Knives.

No. 1716w.



3 Rivets ... -/7 each.

No. 1717w.



2 Rivets ... -/6 each.

### Extra Strong Bent Hacking Knife.

No. 1718w.



Length	...	4½	5 in.
Price	...	1/2	1/4 each.

Tool, Machine, and Hardware Merchants and Manufacturers.

**Best Quality Glaziers' Diamonds.**

SUGGESTIONS AND INSTRUCTIONS.

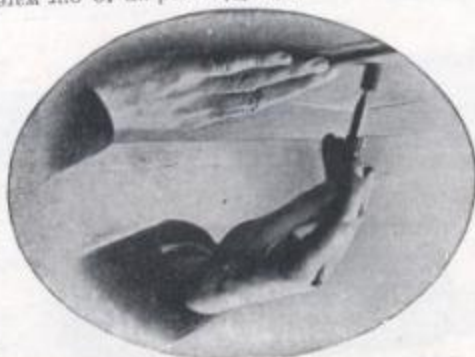
Never lend your Diamond to another hand. If you do the probability is that it will be returned spoilt.

Keep the end of the Cutting Lath in good condition with glass paper, and apply a little oil occasionally.

Never go over the same cut twice, not even with the thickest glass.

For Rough Cast and glass of that character use an old Diamond.

When the Brass Setting appears to be worn away, send the Diamond up to our warehouse for examination, otherwise you may lose the stone entirely.



Hold the Diamond between the first and second finger, with the finger and thumb on the flats of the handle, as in the illustration.

[illegible]

P.S.—We supply strong Leather Cases for our Diamonds at an extra cost of 1/- each.

No. 1730w.	
For Crown Glass, Diamonds ...	7/-
With Side Rack,	8/-
For Sheet Glass, Diamonds ...	15/6
22/-	

A very convenient and handy size for waistcoat pocket.

For Sheet Glass  
Price, 6/6, 8/6, 11/6,  
14/6 each

Diamond with Folding Joint for closing up, for Sheet-Glass. Prices, 17/-, 20/6, 23/9 each. Old Diamonds reset, price 3/- each.

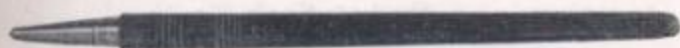
Folding Pocket Diamonds.

No. 1733W.  
Ivory Sides, two Blades.  
Price ... 13/6, 16/- each.

Backhorn Handle, with Rack.  
No Blade.

A large and varied Stock of Engineers' Tools and Motor Accessories.





No. 1735w. **Writing Diamond**, used for writing on Glass, Bottles, Lenses, etc.  
Prices 7/- to 11/- each.

### Beam Compass.

No. 1736w.

For cutting circles and sections from large sheets of glass, best quality diamond set in steel block. Cutting Circles from 2 in. to 30 in. diameter.

Price 48/6



No. 1737w.

Cheaper pattern of above with B quality diamond set in round steel. Cutting Circles from 2 in. to 30 in.

Price 30/6

### Gauge Glass Diamond.

No. 1738w.

The most effective tool for cutting Glass Tubes. Steel rods, 18 in., 24 in., and 30 in. long.

Price 14/6

If graduated in inches or French measure, 3/9 extra.  
Cheaper patterns, with Wheel Cutter, 1/6 and 4/6 each



No. 1739w.



### Turret-head Glass-cutter.

With 12 Wheels.

It is also provided with a Steel Ball at the end of the handle, for convenience in glass-breaking. Price 2/-

### Wheel Glass-Cutters.

No. 1740w.

Provided with a recess in which a supply of extra wheels is contained.

Price 3/- each.

Cheaper Patterns, -/4, -/6, 1/-, 1/6 each. Not as illustrated.



### Diamond Slide Rest Tool.

For truing Emery Wheels.

No. 1741w.

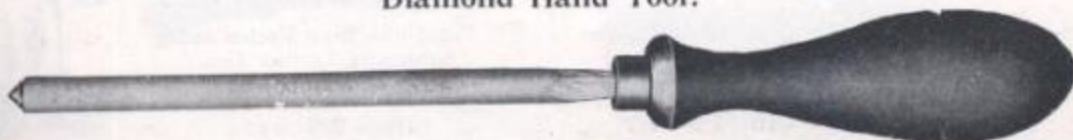


Made in  $\frac{1}{4}$  in.,  $\frac{3}{8}$  in., or  $\frac{1}{2}$  in. Square Shanks.

Prices ... 28/-, 36/-, 65/- each, either size shank.



### Diamond Hand Tool.



Same prices as above.

No. 1742w.

Contractors to the Home, Indian, and Colonial Governments.

### Fork Sash Tools.



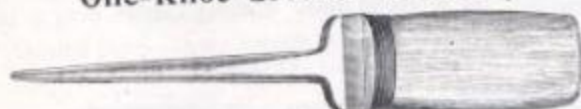
No. 1743W. String Bound. Lily Bristles.

No. ...	0	1	2	3	4	5
Price...	-/2½	-/3	-/4	-/5	-/6	-/8 each.
No. ...	6	7	8	9	10	12
Price...	-/10	1/1	1/4	1/6	2/-	2/9 each.

No. 1745W. Special Quality.

No. ...	0	1	2	3	4	5	6	7	8	9	10	12
Price ...	2/-	2/6	3/3	3/9	4/9	6/3	8/3	10/6	13/-	15/6	21/-	27/- doz.

### One-Knot Ground Brushes.



No. 1746W.

Copper Wire Bound. Warranted all Pure Bristles.

Size ...	8/0	6/0	4/0	3/0	2/0
Length of Bristles	5½	5	5	4½	4½ in.
Grey Middles ...	6/6	5/3	5/-	4/-	3/3 each.
Lily Bristles ...	7/-	6/-	5/6	4/6	3/9 "

No. 1747W. All Hair. Copper Wire Bound.

Size ...	8/0	6/0	4/0	3/0	2/0
Length of Hair...	5½	5	5	4½	4½ in.
Grey Middles ...	4/6	3/9	3/6	3/-	2/6 each.

### Flat Hog Hair Varnish Brushes.



No. 1749W. In Tin, Bevelled, Double Riveted.

Lily Bristles. White Handles.

1	1½	2	2½	3	3½	4 in.
-/6	-/9	1/1	1/6	2/-	2/9	3/3 each.

### Flat Bevelled Varnish Brushes.



No. 1751W.

Nickel-plated Cases. Black Bristles. White Handles.

Size ...	1	1½	2	2½	3
Double Thick ...	-/6	-/8	1/-	1/5	1/11 each.
Thick ...	-/5	-/7	-/10	1/2	1/7 "

### Socket Sash Tools.



No. 1744W. Patent Copper Socket. Lily Bristles.

No. ...	2	4	6	8	10	12	14
Price ...	-/2½	-/2½	3/½	-/5	-/6	-/7	-/10 each.

No. 1745W. Special Quality.

No. ...	0	1	2	3	4	5	6	7	8	9	10	12
Price ...	2/-	2/6	3/3	3/9	4/9	6/3	8/3	10/6	13/-	15/6	21/-	27/- doz.

### Oval Bevelled Varnish Brushes.



No. 1748W. Spun Copper Ferrules.

No. ...	0	1	2	3	4	5	6
Black Bristles	-/6	-/8	-/10	-/11	1/2	2/-	2/6 each.
With Metal Bridles, 0 to 3	-/1½ each extra.						
" " 4 " 8	-/2 " "						

These Brushes are made on an entirely new method, and as the bristle is solid throughout they work to a perfectly true edge without forking.

### Oval Bevelled Varnish Brushes.



No. 1750w. Spun Copper Ferrules. Registered Pattern.	
No. ...	0 1 2 3 4 5 6
Lily Bristles	1/- 1/2 1/6 1/10 2/4 2/10 3/4 each.
With Metal Bridles, 0 to 3	... -/2 each extra.
" " 4 " 8	... -/3 " "

### Painters' Aprons.

No. 1752W.  
Best Linen. Full size, with Pocket.  
Price 1/9 each.

### "Hardwear" Aprons.

No. 1753W.  
Of Stout Brown Tanned Canvas.  
Fitted with Brass Eyelets and  
Substantial Leather Ties.  
40 in. long x 34 in. wide.  
Price 2/9 each.

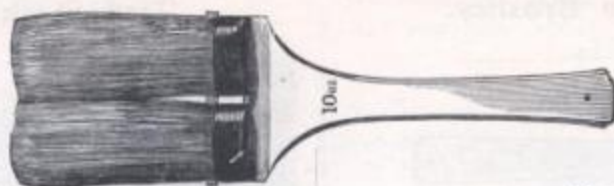


For other Brushes, see Engineers' Catalogue.

Bronze Medal, 1884.—Gold Medal, 1890.



## Two-Knot



## Distemper Brushes.

No. 1754w. Copper Wire Bound.

Superior Quality, warranted best selected Russian Bristles.

Weight ... 12 11 10 9 8 oz.

Grey Middles, 6½ in. ... 15/- 14/- 13/- 11/6 10/6 ea.

All Black Bristles, 6½ in. 15/- 14/- 13/- 11/6 10/6 "

" " 5½ " — — 11/6 10/3 9/6 "

No. 1756w. Copper Wire Bound.



Weight ... 12 11 10 9 8 oz.

Grey Middles, 6 in. ... 12/6 11/9 10/6 9/9 9/- ea.

All Black Bristles, 6 in. 12/- 11/- 10/- 9/6 8/6 "

No. 1757w. Special C Quality. Copper Wire Bound.

Weight ... 12 10 8 oz.

Grey Middles ... 11/- 9/- 8/- each.

## Chamois Leathers.

No. 1760w. Best Quality.

No.	0	2	4	6	10	12	14	16
	8/9	13/6	21/-	30/-	50/-	63/6	80/-	100/-

Per kipp of 30.

5 per cent. extra for broken kipp.

Special Lines for Window Cleaning and Builders' Use.

No. 1761w.

No.	3P	4P	5P	6P	7P	8P
	35/-	40/-	43/4	53/4	60/-	70/- kipp.

5 per cent. extra for broken kipp.

## Tar Brushes.



No. 1762w.



No. 1763w.

No. ... 1 2 3

Best Quality, Long Handles 1/4 1/8 2/- each.

" " Short 1/1 1/5 1/10 "

Mixed " Long " -/9 -/11 1/1 "

" " Short " -/7 -/8 -/10 "

No. 1755w.

Specially made for Builders' Use.

Weight ... 12 11 10 9

Grey Middles ... 8/- 7/6 7/- 6/6 each.

## Mixed Distemper Brushes.

No. 1758w.

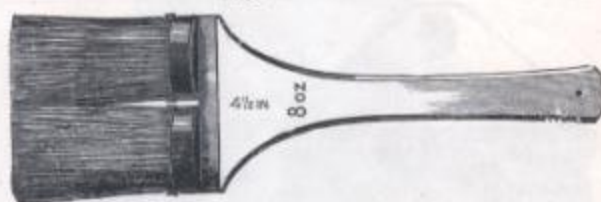
Two Knots. Unground.

Weight... 12 10 8 7 6 oz.

Price ... 3/- 2/9 2/2 2/- 1/10 each.

## Fibre Distemper Brushes.

No. 1759w. Two Knots.



Weight... 12 11 10 9 8 7 6 oz.

Price ... 1/3 1/1 1/- -/10 -/9 -/8 -/7 each.

## Stipplers.



No. 1764w.

	4x3	6x4	7x5	8x6	9x7 in.
Handle on Back	5/-	8/6	10/6	14/-	18/- each.



No. 1765w.

	4x3	6x4	7x5	8x6	9x7 in.
Handle at End	5/-	9/6	10/6	14/-	18/- each.

### Washing-down Brushes.

No. 1766w.



Two Knots. Grey Bristles.			
Size	8	7	7
Length of Bristles	5	5	4½
Price	7/6	7/3	5/6

6 oz.  
4½ in.  
5/- each.

### Washing-down Brushes.

No. 1768w.

Two Knots. Mixed.

Size	8	6 oz.
Length of Material	4½	4½ in.
Price	3/-	2/- each.



### Limer Heads.

Leather Bound.

No. 1770w.

Size	10	9	8 oz.
	10/-	9/6	8/- ea.
Size	7	6	5
	7/6	5/6	4/6

4 oz.  
3/6 ea.

### Paperhangers' Brushes.

Plain Stocks. Not Handled.

No. 1771w.

Widths	7	8	9	10 in.
Grey Middles	3/6	4/-	4/6	5/- each.
Grey Bristles	—	3/9	4/3	4/10 "



### Painters' Dusters.

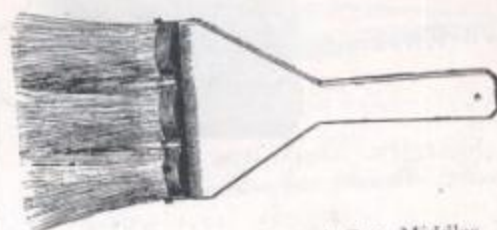
No. 1772w.



Best Quality, Round Wire Bound.

Size	8/0	6/0	4/0
Grey Middles, 7 in.	7/6	7/3	6/6 each.
" " 6 "	7/-	6/6	5/6 "

### Tied Stock Brushes.



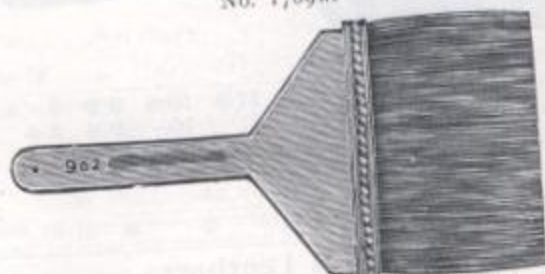
No. 1767w.

Copper Wire Bound, Grey Middles.

Sizes	10	9	8	7	6 oz.
Length of Bristles	5½	5½	5½	5½	5 in.
Three Knots	11/6	10/6	9/-	8/-	6/- each.

### Nailed Stock Brushes.

No. 1769w.



Leather Bound, Lancashire Pattern, Elm Handles, Black Bristles.

Size	9	8	7½	7	6 oz.
5½ in.	8/-	7/6	7/-	6/9	6/- each.

Brass Band at same prices, and in ordering, letter B should be added to Catalogue Nos.

Leather Bound, Alder or Elm Handle, Mixed Bristles.

Size	9	8	7	6	5 oz.
5½ in.	5/6	4/9	4/-	3/6	3/- each.

### Jamb Brushes.

No. 1773w.



Black Bristles.

No.	1	2	3	4
Length of Bristles out of Stock	3½	3½	3½	4 in.
Best Quality	1/3	1/6	2/-	2/6 each.

Orders of 20/- and upwards Carriage Paid (with few exceptions).



Rd. MELHUIH, Ltd., Fetter Lane, Holborn Circus, London, E.C. 231



### No. 1774w. Brass Spring Stencils.

In Sets containing Alphabet, Set of Figures, Ink, Brush, and Sponge.

Sizes	...	...	...	...	...	...	...
Per Set, Complete...	3/-	3/3	3/3	5/-	5/6	8/6	each.
Figures only	1/-	1/1	1/2	1/6	1/9	3/-	..

No. 1775w.

### Brushes.



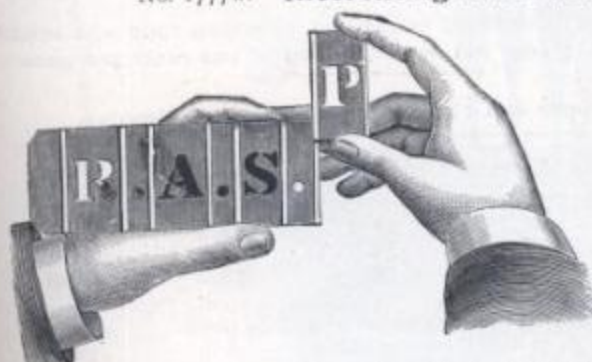
Price ... -/3 -/4 -/5 -/6 -/8 each.

### No. 1776w. Zinc Stencils, Letters, and Figures on Loose Plates.

Sizes	...	...	...	...	...	...	...	...	...
Letters, per Set	1/9	2/9	3/6	4/6	5/6	7/-	9/-	11/-	each.
Figures	7/-	11/-	1/2	1/6	2/-	2/6	3/-	4/-	..

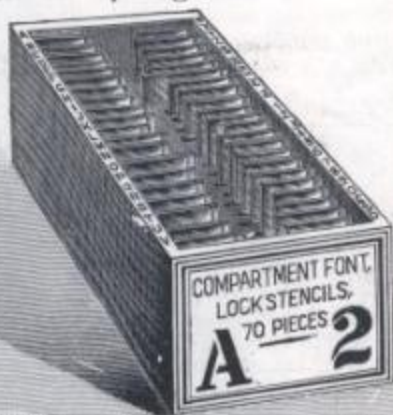
Stencil Plates  
Cut to any  
Design.

### No. 1777w. Interchangeable Lock Stencils in Spring Brass.



These have recently been improved to expedite putting together, which can now be done with almost the rapidity of an expert setting type.

A Set contains two of each letter, except Q, X, and Z, of which there is one of each; one of each figure 1 to 9, two O's, ten blanks, full stops, etc.



Price per Fount of 70 pieces in Wood Box with separate compartments as illustrated ...

Extra Letters or Figures ...

...	...	...	...	...	...	...
6/-	6/6	7/-	8/-	15/-	19/6	each.
-/2	-/2	-/2	-/3	-/5	-/6	..

### Letters and Figures. For Stamping Steel, Iron, Brass, etc., etc.

No. 1778w.  
Best Quality  
Wrought-Iron Burn Brands.

No. 1778½w.  
Best Sheffield-made Sets.  
For Wood and Iron.

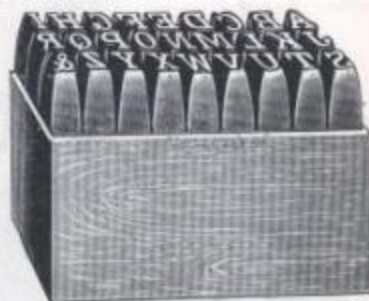
No. 1779w. Engineers'  
London-made Sets.  
For Steel.

Inch.	Per Letter.
1/32	1/3
1/16	1/5
1/8	1/9
3/16	1/11
1/4	2/1
5/16	2/5
3/8	3/-

Quotations for Sets on application.

Inch.	Letters.	Figures.
1/32	6/9	2/3
1/16	6/9	2/3
1/8	7/4	2/10
3/16	10/-	3/4
1/4	12/-	4/6
5/16	16/10	5/7
3/8	22/6	7/10
1/2	33/9	11/3

Letters.	Figures.
9/9	3/3
9/9	3/3
10/9	3/8
11/9	4/-
15/9	5/3
19/6	6/6
26/-	8/9
32/6	11/-



### No. 1780w. Joiners' Name Stamps.

Up to 1/8 in.: For stamping Iron, -/3½ per letter up to 3 letters, -/3 per letter if more than 3 letters.  
Extra strong and tempered for stamping Metal, -/1½ per letter extra.  
For stamping Wood only, -/1½ per letter over 6 letters

**A large and varied Stock of Engineers' Tools and Motor Accessories.**

# Mills for

# Grinding Paint, etc.



The efficiency and output of these Grinding Mills have been increased 50 per cent. by making them with bright polished iron grinding surface with cut grooves both in cone and hopper, instead of cast cones and grooves. These are the best and cheapest Grinding Mills on the Market.

Prices in japanned green with gold lines; hopper and channel enamelled white inside:

	No. 1.	No. 2.	No. 3.	No. 4.	No. 5.
No. 1781w. With Handle	15/-	21/-	27/3	34/9	92/6
" 1782w. " Flywheel	—	27/9	34/9	42/9	96/6
" 1783w. " Pulley	—	—	42/-	53/-	24 in.
Height	12½ in.	15 in.	17 in.	19 in.	13½ pints
Capacity of hopper	2 pints	4½ pints	6½ pints	9 pints	70 lb.
Work per hour with hand	10 lb.	18 lb.	27 lb.	36 lb.	

No. 1784w.

## The Mixer.

For Decorators,  
Engineers, Paint and  
other Manufacturers.



For Hand Power with Fly Wheel.

A very convenient and efficient Machine, easily removed from place to place, and equally serviceable in mixing dry colours with oil, etc., as well as for thinning down paste paints, and quickly obtaining any tint that may be required.

The Mixing Pans are made of galvanised steel, fitted with Lifting Handles, and easily detached either for emptying, cleaning, or change of colours. The Beaters are raised by a single stroke of the Hand Lever, and the Pan and Beaters are driven by means of a cluster of three smooth-running Bevel Wheels.

Working capacity, 2½ gallons.  
Size of Steel Pan, 12 in. diameter  
by 8 in. deep.  
Floor space, 29 in. by 16 in.



For Belt Drive with Fast and Loose Pulleys and Belt Guide.

Price,  
Hand Power,  
£5 : 2 : 6

With Pulleys,  
£6 : 2 : 6

Contractors to the Home, Indian, and Colonial Governments.

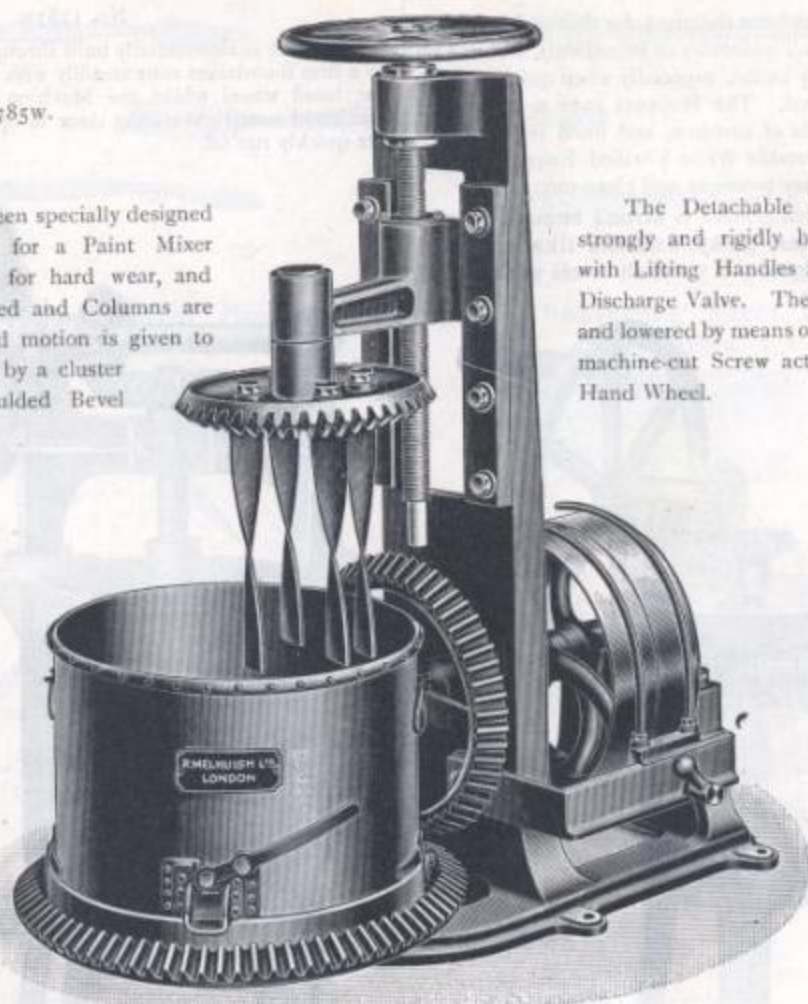


## The New Mixer.

No. 1785W.

This pattern has been specially designed to meet the demand for a Paint Mixer strongly built, suitable for hard wear, and low in price. The Bed and Columns are of solid Cast Iron, and motion is given to both Pan and Beaters by a cluster of three machine-moulded Bevel Wheels.

The Detachable Pan is of Steel, strongly and rigidly built, and is fitted with Lifting Handles and special Lever Discharge Valve. The Beaters are raised and lowered by means of a double-threaded machine-cut Screw actuated by a heavy Hand Wheel.



Size of Pan.		Working Capacity of Pan.	Size of Pulleys.		Revolutions of Pulleys per Minute.	Floor Space.		Weight Approximate.	Price Complete.
Dia. Ins.	Deep Ins.	Gallons.	In.	In.		Fl. In.	Fl. In.	Cwt.	Qrs.
21	14	17	20 by 4		50	4 2 by 2 6		7	2
									£25 : 10 : 0

(Extra Pans supplied to order, £2 : 10 : 0 each.)

Carriage Forward. Packed for Export, 5 per cent. extra.

This section of our Catalogue contains the leading lines in Woodworkers', Painters', and Plumbers Tools, Machines, and Accessories. Other sections, embracing a great variety of Engineers' Tools, Machines, and Appliances, Electrical Goods, Motor Tools, Horticultural and Estate Agents' Requirements, Builders' and Furnishing Ironmongery, etc., will be sent per post on application.

Bronze Medal, 1884.—Gold Medal, 1890.

### Vertical Mixing Mill.

No. 1786W.

This pattern has been designed for thoroughly mixing comparatively small quantities of ingredients, and will be found exceedingly useful, especially when quick change of colours is desired. The Hoppers have a capacity of 6 gallons, are made of cast-iron, and lined inside with a thick coating of durable White Vitriified Enamel. They are particularly easy to empty and clean out.

The pugging arrangement is strong enough to mix the stiffest pastes, putty, and the like, and will also mix semi-liquids in varnish or oil with equal facility.



Size of Hopper	12 x 16 in.
Revolution of Pulleys per minute	60-80
Floor Space	18 x 18 in.
Price, Hand Power with Fly Wheel as illustrated	£7 : 5 : 0

Can be supplied with Pulleys for power.

### Vertical Pug Mill.

For White Lead, Paints, etc., etc.

No. 1787W.

This Mill is substantially built throughout, and when secured to a firm foundation runs steadily with a full load. By turning the hand wheel whilst the Machine is working, a carefully machined watertight sliding door is opened and the contents are quickly run off.



By an improved arrangement the Beaters can instantly be removed by loosening the sleeve of the central shaft, so that interior of pan is accessible for cleaning, etc.

Size of Mill	18 x 17 in.
Capacity	15 gallons.
Floor Space	26 x 22 in.
Weight	5 cwt.
Price	£21 : 0 : 0

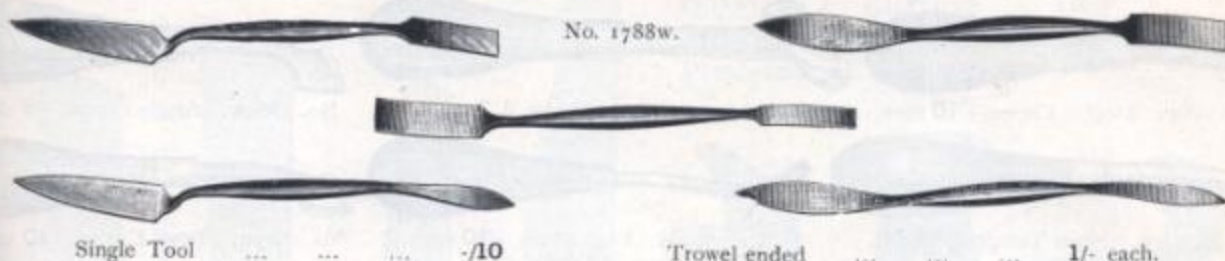
When so ordered, the interior of pan, as well as the beaters, may be covered with a thick coating of White Vitriified Enamel at a small extra charge.

Carriage Forward.

Tool, Machine, and Hardware Merchants and Manufacturers.



## Plasterers' Moulding Tools.



Single Tool ... .. -/10

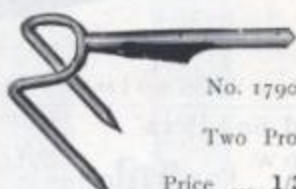
Trowel ended ... .. 1/- each.

### Mortar Larries.



No. 1789w.  
Price ... .. 2/- each.

### Steel Hooks or Drags.



No. 1790w.  
Two Prong.  
Price ... 1/3 each.

### Plasterers' Steel Joint Rules.



No. 1791w.  
3 in. to 18 in.  
Price ... .. -/1 per in.

### Plasterers' Hod Sockets.



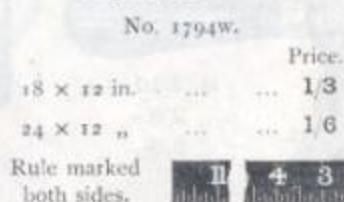
No. 1792w.  
Price 1/2 each.

### Plasterers' Servers.



No. 1793w.  
Price 1/3 each.

### Masons' Iron Squares.



No. 1794w.  
Price.  
18 x 12 in. ... 1/3  
24 x 12 " ... 1/6  
Rule marked both sides.



No. 1795w.

### Patent Sheet Metal Cutter.



Invaluable in Building Construction. Will pare Corrugated Iron Sheets up to 24 gauge with ease, and will make straight or diagonal cuts whether lengthways or across without injury to the corrugations. Flat Iron, Brass, or Copper Sheets, also Tin Plates, may be pared with equal facility. Weight only 8 lb., very portable and readily fixed to any work bench by ordinary wood screws.

The Slide Bar is 48 in. long, and allows a cut of 41 in. to be made.

Larger Bars can be furnished at a proportionately higher charge. Price ... .. £1 : 2 : 6 each.

### Brick Moulds.



Standard Sizes. No. 1796w.

9½ × 4½ × 3½ in. deep ...	Price 11/6 each complete with Stocks.
9½ × 4½ × 3½ " " ...	
9½ × 4½ × 3½ " " ...	
10 × 5 × 3½ " " ...	
10½ × 5½ × 3½ " " ...	

### C.S. Chisels for Corrugated Iron.



No. 1797w.  
Price ... .. 1/3 each.

Orders of 20/- and upwards Carriage Paid (with few exceptions).

## Saddlers' Tools. Warranted.



No. 1798w. Double Crease, -/10 each.



No. 1799w. Screw Crease, 1/3 each.



No. 1800w. Single Crease, -/8 each.



No. 1801w. Seam Turner, 1/2 each.



No. 1802w. Edge Shave, -/10 each.



No. 1803w. Bevel Crease, -/10 each.



No. 1804w. Head Knife, 1/6 each.



No. 1805w. Hand Wheel and Frame, 4/3 each.



No. 1806w. Palms, 1/2 each.



Half Round Knives.

No. 1807w.

5 in., 1/10 each.  
6 " 2/6 "  
7 " 3/3 "

### Knurled Saddlers' Hollow Punches.

No. 1808w.



This Set consists of one each Saddlers' Drive Punch, No. 1 to 12 (1/8 to 3/4 in.), put up in a neat round box, as shown in cut.

Price ... 8/3 per Set.

### Plough Gauge.

No. 1809w.



Price ... 15/6 each.



### Shoemaker's Hammers.

No. 1810w.

No.	1	2	3
Price	1/-	1/6	1/9 each.

No. 1811w.



### Leather Punch.



Size	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1 in.
Price	-/9	-/10	1/-	1/9	2/6	3/-	3/6	4/-	4/6	4/6	each.

### Shoe Rasps.

No. 1812w.

Improved Pattern, Half File, 8 in. long.  
6/6 per doz.



Ratchet Braces,  
India Oil Stones,  
Carving Tools,  
Hammers,  
Adzes and Axes,  
Routers,  
Drain Tools,

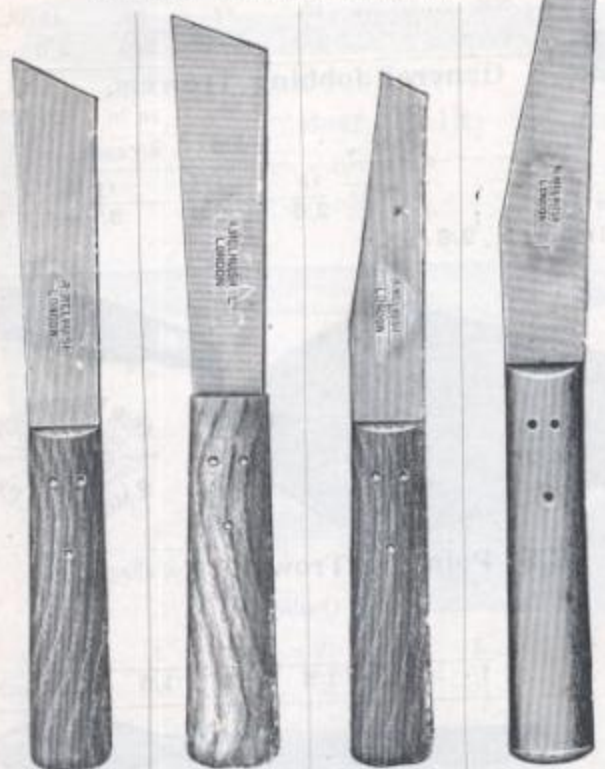
Masons' Tools,  
Electricians' Tools,  
Lathes,  
Hatches,  
Upholsterers' Tools,  
Ironmongery,  
Saws of all kinds,  
Household Tools,

Levels and Land Chains,  
Iron Planes,  
Measuring Tapes,  
Ivory Rules,  
Turnscrews,  
Engineers' Tools,  
Drills and Dividers.

A large and varied Stock of Engineers' Tools and Motor Accessories



**Shoe or Packers' Knives.**  
Warranted. With Beech Handles.



No. 1813w.	No. 1814w.	No. 1815w.	No. 1816w.
Length, 4 in.	4½ in.	4 in.	5 in.
Cherrywood	Broad Point,	Special.	Clip Point,
Handle,	5/3 doz.	3/6 doz.	5/3 doz.
5/- doz.			

**London Pattern Shoe Pincers.**



No. 1817w.

6	7	8 in.
1/2	1/4	1/6

**Tower Cutting Nippers.**



No. 1818w.

6	7	8 in.
1/7	1/10	2/2

**Bull-Dog Pincers.**

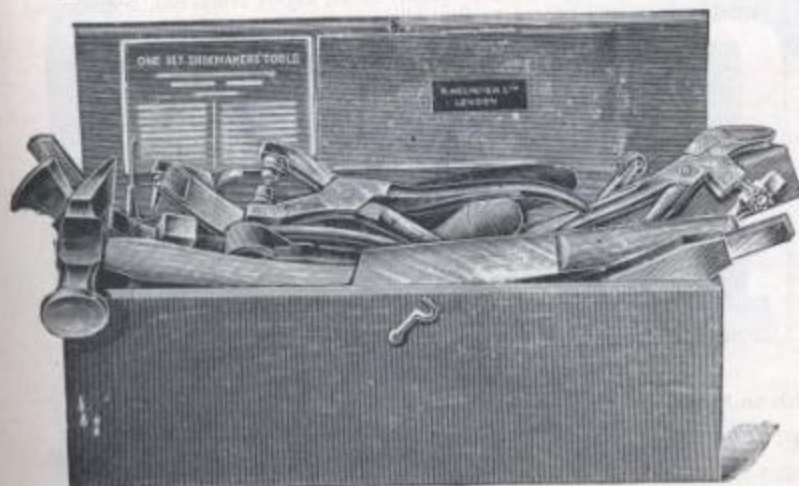


No. 1818½w.

Price  
1/6

**Shoemaker's Tool Chest.**

No. 1819w. Containing the following assortment of Shoemakers' Tools of high class quality :



- |                                    |                                  |
|------------------------------------|----------------------------------|
| 1 Improved Shoe Rasp.              | 1 Round File.                    |
| 1 Shoemaker's Knife (broad point). | 1 Forepart Iron.                 |
| 1 best Shoe Hammer.                | 1 Glazing Iron.                  |
| 1 pair Shoe Pincers (small).       | 1 Double Iron.                   |
| 1 pair Ditto (large).              | 1 Movable Peg Wheel.             |
| 1 pair Tower Shoe Nippers.         | 1 Waist Wheel.                   |
| 1 Shoe Stone.                      | 6 Sewing Awls.                   |
| 1 pair Punch Pliers.               | 3 Sewing Awl Hafts.              |
| 1 pair Eyelet Pliers.              | 12 Shouldered Oval Pegging Awls. |
| 1 Hoop Peg Knife.                  | 2 Pegging Hafts.                 |
| 1 Peg Rasp and Cutter.             | 1 American Peg Awl Haft.         |
|                                    | 6 American Square Peg Awls.      |
|                                    | 1 gross Shoe Tacks, assorted.    |

Price complete	...	...	19/6
No. 1819½w. With 25 Articles	...	...	12/6
No. 1820w. " 11 "	...	...	8/-

Contractors to the Home, Indian, and Colonial Governments.



"W.H.S." Trowels.

As Illustrated.

Size ...

**Best Cast Steel Brick Trowels.**

No. 1822W.				
Size ...	10	11	12	13 in.
Price ...	2/3	2/4	2/6	2/9 each.

**General Jobbing Trowels.**

No. 1823W.			
Size ...	8	10 in.	
Price ...	1/6	2/- each.	

Size ...	12	12½	13 in.
Price ...	2/6	2/9	3/- each.

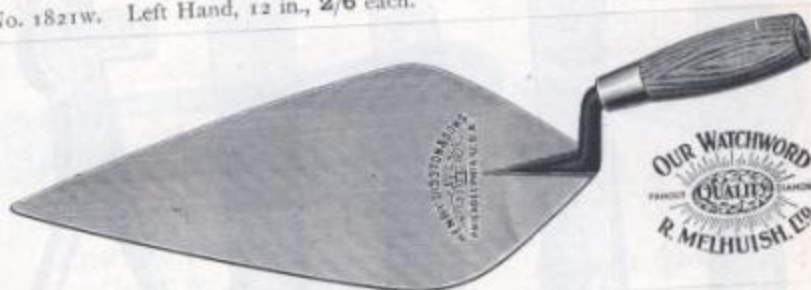
No. 1821W. Left Hand, 12 in., 2/6 each.

**Hy. Disston's Brick Trowels.**

No. 1824W.

London Pattern.

Size ...	11	12 in.
Price ...	2/9	3/- each.



**C.S. Pointing Trowel.** No. 1825W.

Best Quality.

Size ...	5	5½	6	6½	7	8 in.
Price ...	1/-	1/1	1/3	1/4	1/6	1/10 each.



**C.S. Gauging Trowel.** No. 1826W.

Best Quality.

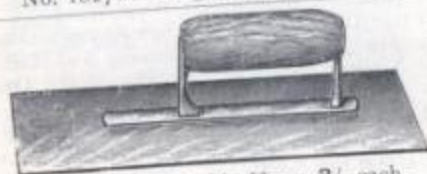
Size ...	6	6½	7	8	9	10 in.
Price ...	1/6	1/7	1/8	1/9	2/-	2/3 each.



**Best Quality English Plastering Trowels.**



No. 1827W. Single Hang, 2/6 each.

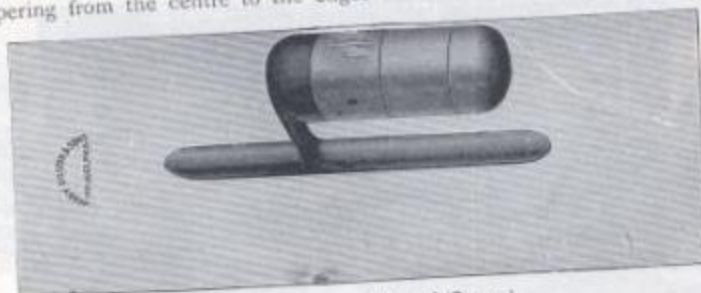


No. 1828W. Double Hang, 3/- each.

**Hy. Disston's Patent Plastering Trowels.**

No. 1829W.

The mounting and handle of this Trowel are adjusted by an improved method, making it strong, durable, and easy to the hand. The Blade is of the very best quality Steel, highly tempered, and ground tapering from the centre to the edges on the working side.



Size 11 in. Price 4/6 each.

**Bricklayers' Jointers.** No. 1830W.

Width on Face ...	1/8	3/16	1/4	5/16 in.
Short, 2½ in. ...	1/-	1/-	1/-	1/- each.
Long, 5 in. ...	1/-	1/-	1/-	1/- "



**Bronze Medal, 1884.—Gold Medal, 1890.**



**Slater's Ripper.**

No. 1831w. Price 3/6 each.



**Best Quality Slaters' Hammers.**

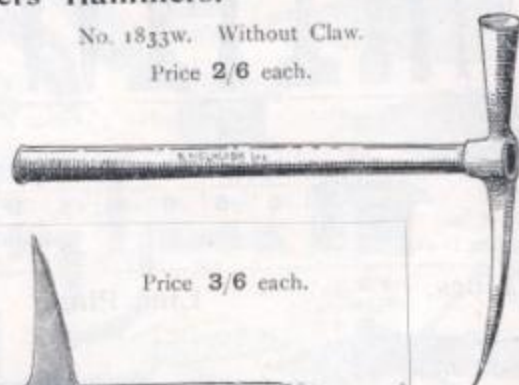
No. 1832w. With Claw.

Price 3/- each.



No. 1833w. Without Claw.

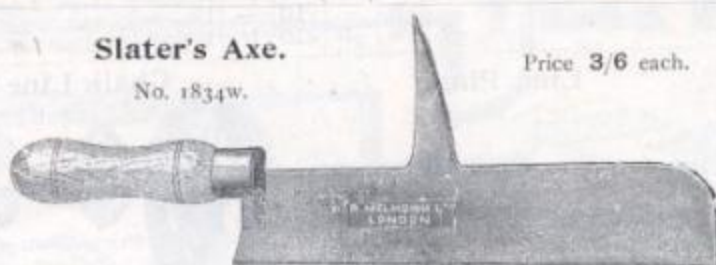
Price 2/6 each.



**Slater's Axe.**

No. 1834w.

Price 3/6 each.



**Lath Hammer.**

No. 1835w.

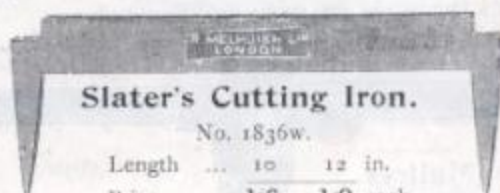


Size	...	A	B	C
Price	...	1/4	1/6	1/9 each.

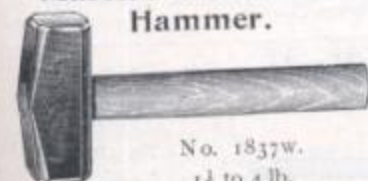
**Slater's Cutting Iron.**

No. 1836w.

Length	...	10	12 in.
Price	...	1/6	1/9 each.



**Mason's Solid Steel Hammer.**



No. 1837w.

1 1/2 to 4 lb.

Price, Heads only	...	-/6 per lb.
" Handled	...	-/5 each extra.

**Bricklayer's Scutching Hammer.**



No. 1838w. Price, Handled, 2/-

**Bricklayers' Hammers.**

No. 1840w.



Handled.

Price 2/- each.

**Steel Crowbars.**

No. 1841w.	1 1/2 in. diameter.	
48	60	72 in.
6/9	7/9	9/9 each.

**Earth Rammers.**

No. 1842w.

Prices:

7 lb.	...	1/3
14 "	...	2/3



**Scaffolding Hammer.**

No. 1839w.



London Pattern.  
Handled.  
Price 3/- each.

## Masons' Tools.

Nos. 1843w.		1844w.		1845w.		1846w.		1847w.		1848w.		1849w.		1850w.		1851w.	
Lettering Tools,		Chisels,		Claw Tools,		Points,		Bolster,		Tooler,		Pitching Tool,		Drag,		1/- each.	
5/6 per doz.																	
No. 1844w. Mallet Head Chisels		Price		-/5		-/5		-/6		-/6		-/7		-/8		-/9	
No. 1845w. Claw Tools		"		-/5		-		-		-/8		-/9		-/9		-/10	
No. 1848w. Pitching Tools		"		-		-		-		-		-		-		-	

**Chalk Lines.** No. 1853w.

Hemp, in Balls ... -/6 each.  
 " in Knots, Small -/1 1/2 "  
 " " Large -/2 "  
 Best Cotton, about 30 yds.,  
 -/3 per knot.

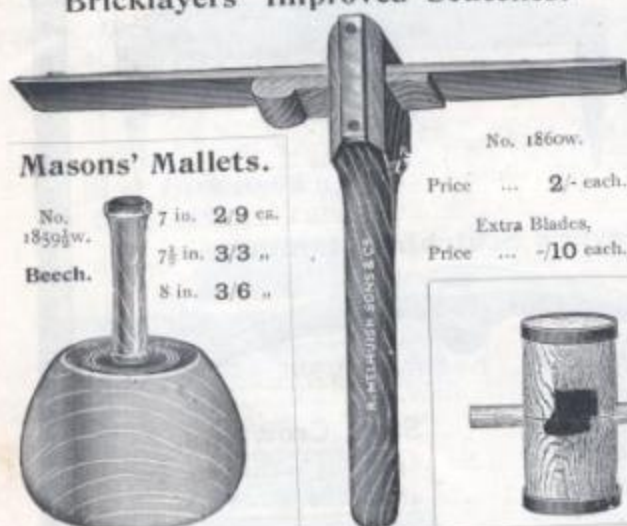
**Line Pins.** No. 1854w.

Iron ... Price -/4 per pair.  
 Bright Steel ... -/10 "

**Chalk Line Reels.** No. 1855w. No. 1856w.

Beech, Short -/2 each.  
 " Long -/3 "  
 Box, Short ... -/3 " Long -/4 each.  
 Brass, No. 1855w ... -/6 "

## Bricklayers' Improved Scutches.



### Masons' Mallets.

No. 1859w. 7 in. 2/9 ea.  
 7 1/2 in. 3/3 "  
 Beech. 8 in. 3/6 "

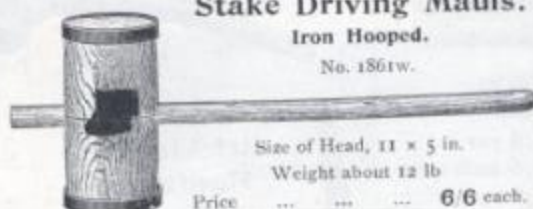
No. 1860w.  
 Price ... 2/- each.  
 Extra Blades,  
 Price ... -/10 each.

## Double-ended Brick Cleaner.



No. 1858w. 5 in. Price 3/- each.  
 (As Illustrated.)  
 No. 1858 1/2 w. Double Edge Brick-cleaning Axe ... 2/3 each.  
 " 1859w. Chopper Pattern Cleaner ... 1/3 "

## Stake Driving Mauls.



Iron Hooped.  
 No. 1861w.  
 Size of Head, 11 x 5 in.  
 Weight about 12 lb  
 Price ... 6/6 each.

## Wood Splitting Wedges.

No. 1862w.



Best Solid Steel.  
 Price ... -/5 per lb.  
 2 to 7 lb.

**TO TRULY TEST A TOOL IS TO TRY IT.**

We invite a Trial Order with the certainty that it will be the first of many and larger orders.

RICHARD MELHUISH, LTD.

No. 1862aw.  
**Lath Renders' Knives.**  
 8 x 2 1/4 in. blade, 2/6 each.

No. 1862nw.  
**Lath Renders' Irons.**  
 2/6 each.

No. 1862cw.  
**Brick Cutters' Bow Saws.**  
 3/- each

No. 1862dw. Twisted Wire for Brick Cutting, 1/2 per lb.

No. 1862ew.  
**Large Trammel Heads.**  
 3/- per pair.

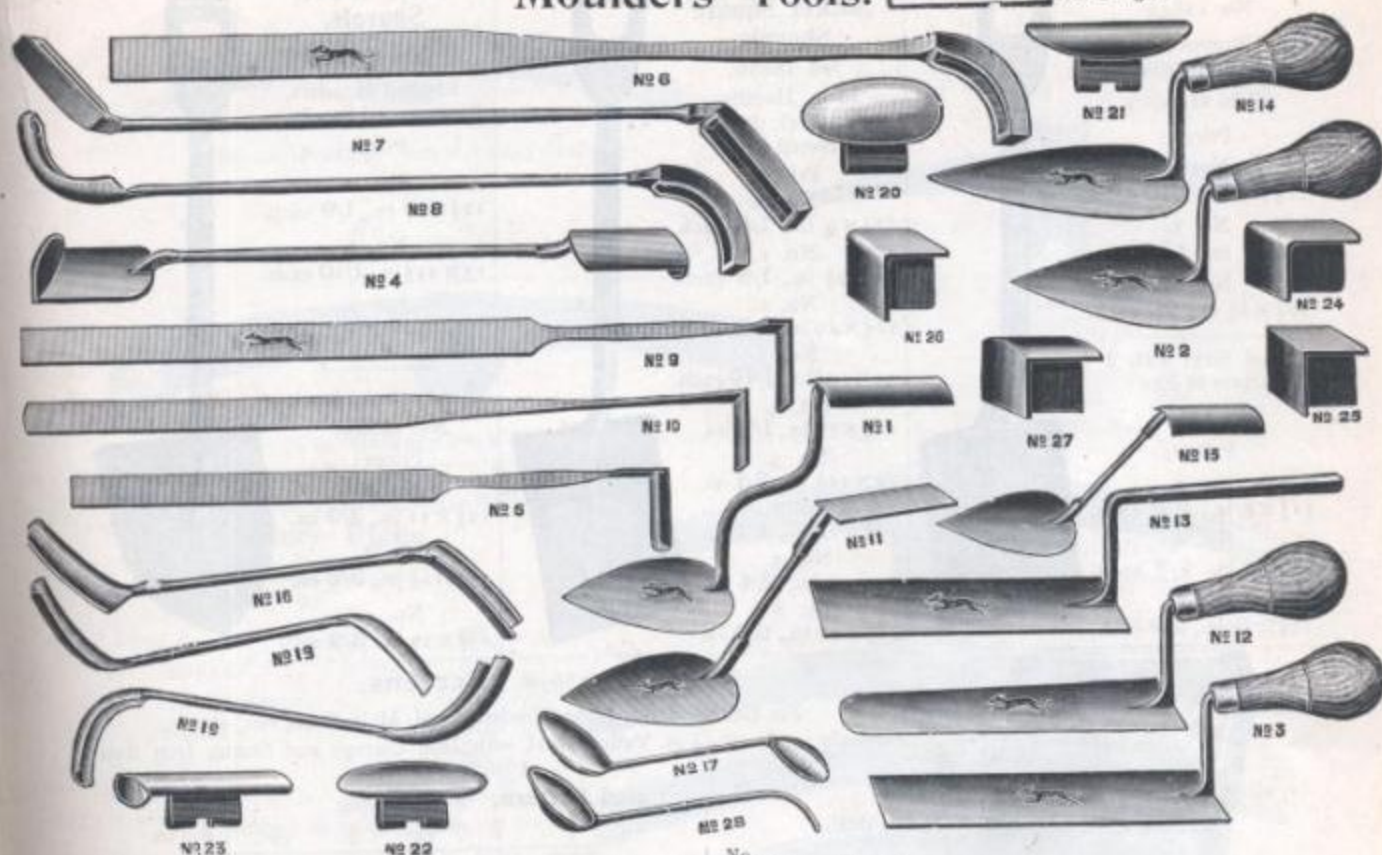
No. 1862rw.  
 Rods for ditto, 5 ft. ... 2/- each.  
 " " 10 ft. ... 4/- "

No. 1862ow.  
**Brick Files.**  
 16 x 2 in., 2/9 each.

Orders of 20/- and upwards Carriage Paid (with few exceptions).



# Moulders' Tools. No. 1863w.



- No. 1. Gate Knives (Straight or Bent),  $2\frac{1}{2} \times 1\frac{3}{4}$  in., 16/- per doz.  
 2. Broad Heart Trowels, 14/-, 16/-, 18/-, 20/- per doz.  
 3. Moulders' Square Trowels (English), all sizes, 14/- per doz.  
 6 in.  $\times 1\frac{1}{4}$  in., 6 in.  $\times 1\frac{1}{2}$  in., 6 in.  $\times 1\frac{3}{4}$  in., 6 in.  $\times 1\frac{1}{2}$  in., 6 in.  $\times 1\frac{3}{4}$  in.  
 4. Boss Tools, 22/-, 24/-, 26/- per doz.  
 5. Scotch Blub Cleaners— $\frac{1}{2}$  in.  $\frac{3}{4}$  in.  $\frac{1}{2}$  in.  $\frac{3}{4}$  in.  
 20/- 22/- 24/- 26/- per doz.  
 6. Flange Cleaners— $\frac{1}{2}$  in.  $\frac{3}{4}$  in.  $\frac{1}{2}$  in.  $\frac{3}{4}$  in.  
 18/- 20/- 22/- 24/- per doz.  
 7. Girder Tools— $\frac{1}{2} \times \frac{1}{2}$   $\frac{3}{4} \times \frac{1}{2}$   $\frac{1}{2} \times \frac{3}{4}$   $\frac{3}{4} \times \frac{1}{2}$   $\frac{1}{2} \times 1$   $1 \times 1\frac{1}{2}$  in.  
 17/- 18/- 20/- 22/- 24/- 26/- per doz.  
 8. Flange Bead Upsets— $\frac{1}{2}$  in.  $\frac{3}{4}$  in.  $\frac{1}{2}$  in.  $\frac{3}{4}$  in.  
 17/- 18/- 20/- 22/- 24/- per doz.  
 9. Scotch Cleaners— $\frac{1}{2}$  in.  $\frac{3}{4}$  in.  $\frac{1}{2}$  in.  $\frac{3}{4}$  in. 1 in.  
 10/- 12/- 14/- 16/- 19/- 22/- 26/- per doz.  
 10. English Cleaners— $\frac{1}{2}$  in.  $\frac{3}{4}$  in.  $\frac{1}{2}$  in.  $\frac{3}{4}$  in. 1 in.  
 8/- 9/- 11/- 13/- 15/- 17/- 20/- 24/- per doz.  
 11. Heart and Square Trowels—  
 Size of Heart End,  $1 \times 1\frac{1}{2}$   $1\frac{1}{2} \times 2$   $1\frac{3}{4} \times 2\frac{1}{2}$  in.  
 12/- 14/- 16/- per doz.  
 " " "  $2 \times 3$   $2\frac{1}{2} \times 3\frac{1}{2}$  in.  
 18/- 20/- per doz.

- No. 12. Taper Trowels—  
 $1\frac{1}{2} \times 6$   $1\frac{1}{2} \times 6$   $1\frac{1}{2} \times 6\frac{1}{2}$   $1\frac{1}{2} \times 7$  in.  
 15/- 16/- 17/- 18/- per doz.  
 13. Scotch Trowel (Iron Handle)—  
 $5\frac{1}{2} \times 1$   $5\frac{1}{2} \times 1\frac{1}{2}$   $5\frac{1}{2} \times 1\frac{1}{2}$   $5\frac{1}{2} \times 1\frac{3}{4}$   $6 \times 1\frac{1}{2}$   $6 \times 1\frac{3}{4}$  in.  
 13/- 15/3 17/- 18/- 19/- 20/- per doz.  
 14. Long Heart Trowels, 16/- per doz.  
 15. Gate Knives (Scoop End),  
 Size of Heart End,  $2\frac{1}{2} \times 1\frac{3}{4}$   $3 \times 2$  in.  
 16/- 17/- per doz.  
 16. Fluted Bead, No. 1, 16/-; No. 2, 18/- per doz.  
 17. Spoon Tools, No. 1, 14/-; No. 2, 16/- per doz.  
 18. Straight Bead, No. 1, 16/-; No. 2, 18/- per doz.  
 19. Circular Bead, 22/6 per doz.  
 20. Egg Smoother, 16/- per doz.  
 21. Pipe Smoother, 10/- per doz.  
 22. Bacca Box, 18/- per doz.  
 23. Safe End Pipe Smoother, 13/- per doz.  
 24. Round Edge Corner Smoother, 12/- per doz.  
 25. Square Corner Smoother, 12/- per doz.  
 26. Flange Corner Smoother, 12/- per doz.  
 27. Round Edge Flange Corner Smoother, 12/- per doz.  
 28. Slicker or Dog-tail Tool, 14/- per doz.  
 N.B.—The above Prices include Handles on Trowels complete.

A large and varied Stock of Engineers' Tools and Motor Accessories.



### London Shovels.

No. 1864w.

Solid Strapped Riveted  
Eye Handles:

28 in. Handles.

Prices:

No. 0.  
11½ × 9 in., 1/10 each.

No. 1.  
12 × 9½ in., 1/11 each.

No. 2.  
12½ × 10 in., 2/- each.

Solid Steel with 2  
Rivets in Eye:

No. 1865w.

Prices:

No. 0.  
11½ × 9 in., 2/6 each.

No. 1.  
12 × 9½ in., 2/8 each.

No. 2.  
12½ × 10 in., 2/9 each.



### Solid Steel Open Socket Square Shovels.

No. 1866w.

28 in. Handles.

15 W. G. Plates,  
Riveted Eyes.

Prices:

No. 0.  
11½ × 9 in., 1/8 each.

No. 1.  
12 × 9½ in., 1/8 each.

No. 2.  
12½ × 10 in., 1/9 each.

No. 3.  
13 × 10½ in., 1/10 each.

No. 4.  
13½ × 11 in., 1/11 ea.

No. 5.  
14 × 11½ in., 2/1 ea.

No. 6.  
14½ × 12 in., 2/3 ea.

No. 7.  
15 × 12 in., 2/4 ea.

No. 8.  
15½ × 12 in., 2/5 ea.



### Steel Gravel Shovels.

No. 1867w.

Riveted Handles,  
Stamped Steel.

Prices:

No. 0.  
12½ × 11 in., 1/9 each.

No. 1.  
13 × 11½ in., 1/10 each.

No. 2.  
13½ × 12 in., 2/- each.

Wrought Solid Steel,  
No. 1868w.

Prices:

No. 2.  
12½ × 11 in., 3/3 ea.

No. 3.  
13 × 11½ in., 3/6 ea.

No. 4.  
13½ × 12 in., 3/9 ea.



### No. 1869w. Screens.

For Gravel, Sand, Lime, Cinders, Coal, Malt, Corn, etc., etc.  
Strongly made of 1½ in. Yellow Deal, with Iron Clamps and Strong Iron Bars  
at back.

#### Laced Pattern. Extra Strong.

Mesh	...	...	...	...	...	...
5 ft. 6 in. × 2 ft. 9 in.	16/3	16/6	16/9	17/9	18/6	21/6 each.

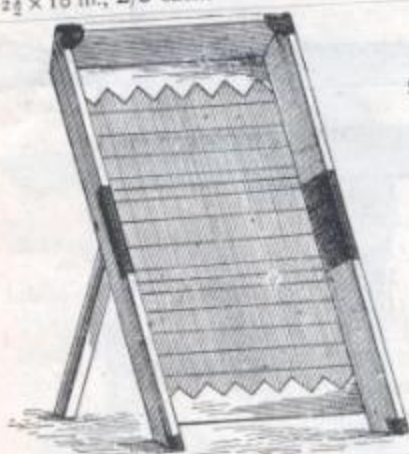
#### Laced Pattern. Lighter Quality.

Mesh	...	...	...	...	...	...
5 ft. 6 in. × 2 ft. 9 in.	13/3	13/6	14/9	15/-	15/9	16/6 each.

#### Locketed Screens. Extra Strong.

Mesh	...	...	...	...	...	...
6 ft. × 3 ft.	19/9	21/-	21/9	22/6	23/6	27/9 each.

Carriage Forward.



### 20 in. Extra Strong Straight Mesh Gravel Sieves.

Mesh	...	...	...	...	...
Price	3/-	3/-	3/3	3/3	each.

### 20 in. Builders' and Plasterers' Sieves. No. 1870½w.

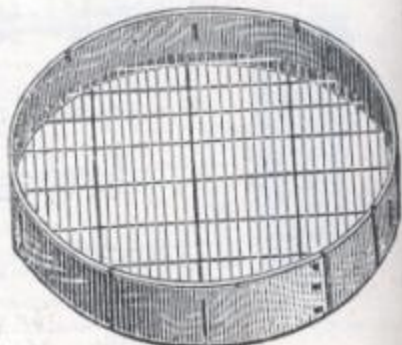
Iron Wire Bottoms, Strong Ash Rims 3½ in. deep inside, 4 to 14 mesh,  
2/- each; 16 to 20 mesh, 2/3 each.

### 20 in. Masons' and Plasterers' Sieves. No. 1871w.

	...	...	...	...	...
With Oak Rims 5 in. deep inside.					
Iron Wire Bottoms, 8 to 12 mesh, 3/-; 14 to 20 mesh, 3/3 each.					
Brass " " " " " " " " " " " "	4/6	"	"	"	4/9 "
Copper " " " " " " " " " " " "	4/9	"	"	"	5/6 "

### 20 in. Founders' and Moulders' Sieves. No. 1871½w.

Ash Rims 3½ in. deep, Extra Strong Bottoms, 4 to 14 mesh.  
Wire Wire Bottoms. Iron, 3/6; Brass, 6/9; Copper, 7/6 each.



No. 1870w.

Contractors to the Home, Indian, and Colonial Governments.



## Picks.

Chisel and Point, well Steeled.

No. 1872w.



	4	5	6	7 lb.
Price ...	1/6	1/8	2/-	2/3

Double Pointed. Same quality as above.

No. 1872½w.



	4	5	6	7 lb.
Price ...	1/6	1/8	2/-	2/3



36 in. Hickory Pick Handles for above

## Mattock.

No. 1873w.

	4	5	6	7 lb.
Price ...	1/8	2/1	2/6	3/-
			8/- doz.	

## Contractors', Mining, and Quarry Picks.

Blades only. No. 1874w.

Prices:

A and B. Navy and Railway ...	45/- cwt.
C. Mattock ...	50/- "
D. Railway Beater ...	50/- "
E. Sinkers ...	50/- "
F. Poll ...	50/- "
G. Quarry ...	57/6 "

If under 4 lb. weight, extra.

## Best Hickory Handles.

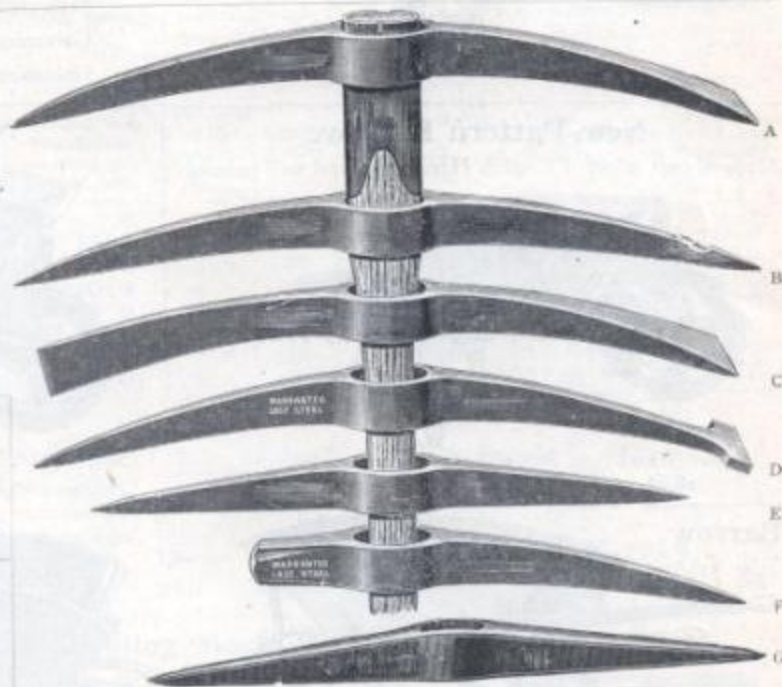
No. 1875w. Hooped and Ferruled.

	32	36	39	42 in.
Price ...	2/-	2/3	2/6	2/9 each.

## Best Malleable Iron Sockets.

No. 1876w.

No. 2 ...	1/3 each.
" 3 ...	1/6 "



## Best Solid Steel Quarry Pick.

No. 1877w.

Assorted patterns. Price ... .. /6 per lb.



Quotations  
for  
Mining  
and other  
Steel  
on application.



See our Complete  
Engineers'  
Catalogue  
for Metal Tools  
and Steel  
of all descriptions.

Bronze Medal, 1884.—Gold Medal, 1890.

**Navy Barrows.**

No. 1878w.

Standard pattern, of seasoned Hard Timber and Jacob's pattern Wood Wheels.

Frame bolted with  $\frac{1}{2}$  in. Bolts and Nuts, Body of 1 in. wood and measuring at bottom  $15\frac{1}{2}$  in. long,  $10\frac{1}{2}$  in. wide at front, and 15 in. at back. Depth at front  $11\frac{1}{2}$  in., back  $7\frac{1}{2}$  in. Inside, 26 in. back, 19 in. front, 29 in. length. Wheel is  $18\frac{1}{2}$  in. diameter, and bound with  $1\frac{1}{2}$  in. Iron Tyre.

Price 13/6 each. No. 1879w. With Iron Wheel, 12/6 each.

**Tubular Frame Mining Wheelbarrow.**

No. 1880w.

New pattern. Steel Body Stamped in One Piece.

**PRICES:**

Japanned all over	...	22/6 each
Galvanized Body and Japanned Frame	...	27/6 "
Galvanized all over	...	32/6 "

**New Pattern Barrow.**

Made of best selected English Hardwood, and well painted.



No. 1881w.

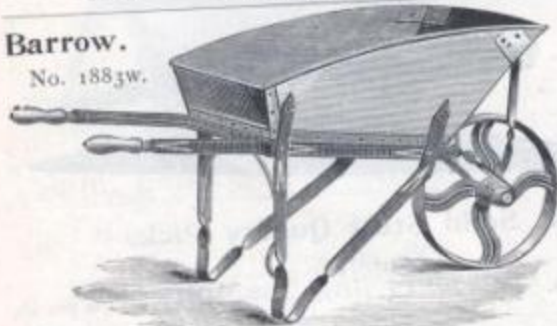
Size of Wheel.  
18 in.Size of Body.  
28 x 24 in.Price.  
27/6 each.

No. 1882w.

Same make Barrow as No. 1881w, but with top boards 7 in. deep. Price 39/6 each.

**Barrow.**

No. 1883w.

**Galvanized Bodies.**

No. 1, 23 x 20 in.	15/9	No. 3, 30 x 25 in.	25/6
" 2, 27 x 22 "	20/-	" 4, 34 x 28 "	28/9

**Boy's Barrow.**

No. 1885w. 17 x 15 in. Price 8/3 each.

**Barrow.**

No. 1884w.

A very well made, strong, and serviceable Barrow; the framework is made of best selected English ash, and the sides of well-seasoned elm; solidly bolted, fitted with wrought-iron wheel, 17 in. diameter; loose front board for convenience of emptying. The Barrow has been further strengthened by an additional stay to the legs, as shown.

		INSIDE SIZES OF BODY.		Depth.	
Length	Width	Length	Width	at bottom	at back.
at top.	at top.	at bottom.	at back.	in front.	at back.
32	22 $\frac{1}{2}$	24 $\frac{1}{2}$	21 $\frac{1}{2}$	15	16 in.
Price	...	...	...	38/6 each.	

Carriage Forward.

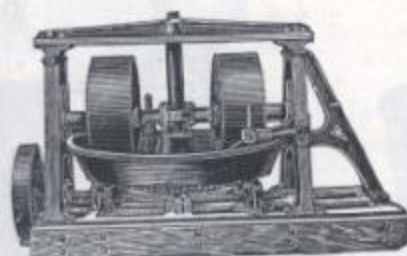
**Tool, Machine, and Hardware Merchants and Manufacturers.**



## Mortar Mills.

With Revolving Pan, to drive by Belt.

No. 1886w.



This type is used by Builders, Contractors, and others who are in a position to make a suitable Timber Bed at a small expense. Thousands are now at work giving the greatest satisfaction.

Diameter of Pan at Top, Outside.	Approx. Weight.	Price on Cast-Iron Frames ready for fixing on Timber Bed.	Price with Strong Pitch Pine Bed and Bolts.	Price with Strong Cast-Iron Box Foundation, needing no Timber Bed.
ft. in.	cwt.	£ s. d.	£ s. d.	£ s. d.
5 0	63	36 : 0 : 0	39 : 0 : 0	39 : 10 : 0
5 6	70	40 : 0 : 0	43 : 15 : 0	43 : 10 : 0
6 0	90	44 : 10 : 0	48 : 10 : 0	48 : 10 : 0
6 6	102	50 : 0 : 0	54 : 15 : 0	54 : 10 : 0
7 0	116	58 : 0 : 0	63 : 10 : 0	63 : 0 : 0
7 6	130	65 : 0 : 0	71 : 10 : 0	71 : 0 : 0
8 0	150	84 : 0 : 0	91 : 0 : 0	89 : 10 : 0

With Revolving Pan, to drive by Belt, on Steel Girder Frame, mounted on Travelling Wheels, and with Lock and Shafts.

No. 1887w.



This arrangement will be found very useful to Builders, Contractors, and others who frequently have occasion to move Mortar Mills from one place to another. Before commencing work, the Travelling Wheels should always be taken from under and the Mill let down. This can be done in a few minutes.

Diameter of Pan at Top, Outside.	Approx. Weight.	Price on Strong Pitch Pine Bed, mounted on 4 Wheels, without Lock or Shafts.	Price with Lock and Shafts for Draft.	Price on Steel Frame (as illustrated).
ft. in.	cwt.	£ s. d.	£ s. d.	£ s. d.
5 0	78	46 : 10 : 0	50 : 0 : 0	50 : 0 : 0
5 6	85	51 : 0 : 0	55 : 0 : 0	55 : 0 : 0
6 0	108	57 : 0 : 0	61 : 0 : 0	61 : 0 : 0
6 6	120	63 : 10 : 0	67 : 10 : 0	67 : 10 : 0
7 0	147	72 : 0 : 0	77 : 10 : 0	77 : 10 : 0
7 6	159	81 : 10 : 0	86 : 0 : 0	86 : 0 : 0
8 0	173	101 : 0 : 0	105 : 0 : 0	105 : 0 : 0

### EXTRAS.

	5 ft.	5 ft. 6 in.	6 ft.	6 ft. 6 in.	7 ft.	7 ft. 6 in.	8 ft.
Loose Pulley with Extended Driving Shaft, Loose Collar, and Set Pin ...	28/6	28/6	39/-	39/-	46/-	46/-	54/-
Extra Pedestal to give an independent Bearing outside the Pulley ...	19/-	19/-	20/-	20/-	21/6	21/6	23/-
Packing and Marking for Export ...	34/-	34/-	38/-	40/-	45/-	48/-	54/-

## Slate Holing Machines.

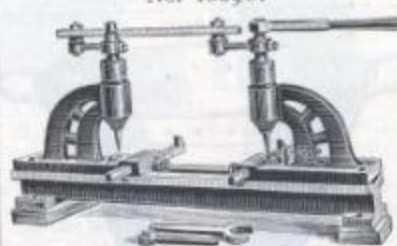
No. 1888w.



Single Machine, without Holder.

Price ... £1 : 5 : 0 each.

No. 1889w.



A Double Rapid Boring and Adjustable efficient Machine, strong in construction and fully warranted.

Price ... £4 : 10 : 0 each.

No. 1890w.



Single Machine, fitted with Slate Holder.

Price ... £1 : 10 : 0 each.

Orders of 20/- and upwards Carriage Paid (with few exceptions).

Galvanized Patent Buckets, Riveted Sides and Forged Ears.

No.  
1891w.



Size ... 10 11 12 13 in.  
Price ... 1/1 1/1 1/3 1/5 each.  
12 in. weigh 48 lb. to 50 lb. per doz.

No.  
1892w.



FOR YACHT USE.  
Size ... 10 11 12 in.  
Price ... 1/6 1/7 1/9 each.

No.  
1893w.



Size ... 11 12 13 14 in.  
Price ... 1/9 1/10 2/- 2/3 each.  
12 in. weigh 60 lb. per doz.

No.  
1894w.



Size ... 11 12 13 14 in.  
Price ... 2/- 2/3 2/4 2/6 each.  
12 in. weigh 90 lb. per doz.

No.  
1895w.



Size ... 11 12 13 14 in.  
Price ... 2/1 2/3 2/6 2/8 each.  
12 in. weigh 96 lb. per doz.



Size ... 11 12 13 14 in.  
Price ... 2/3 2/9 3/- 3/3 each.  
12 in. weigh 120 lb. per doz.



No. 1897w.

Galvanized Strong Manure Bowl,  
with Socket.

Size ... 9 10 11 12 in.  
Price ... 1/9 2/- 2/6 2/9 each.



No. 1899w.

Galvanized Deep Skip, Strapped Bottom,  
BEST QUALITY.

Size ... 1 1 1 bushel.  
Price ... 3/3 3/6 3/9 each.

Galvanized  
Well Bucket.

No. 1900w.

Size. Price  
Gallons. each.  
4 ... 4/6  
6 ... 5/6  
8 ... 6/6  
10 ... 9/6



A large and varied Stock of Engineers' Tools and Motor Accessories.







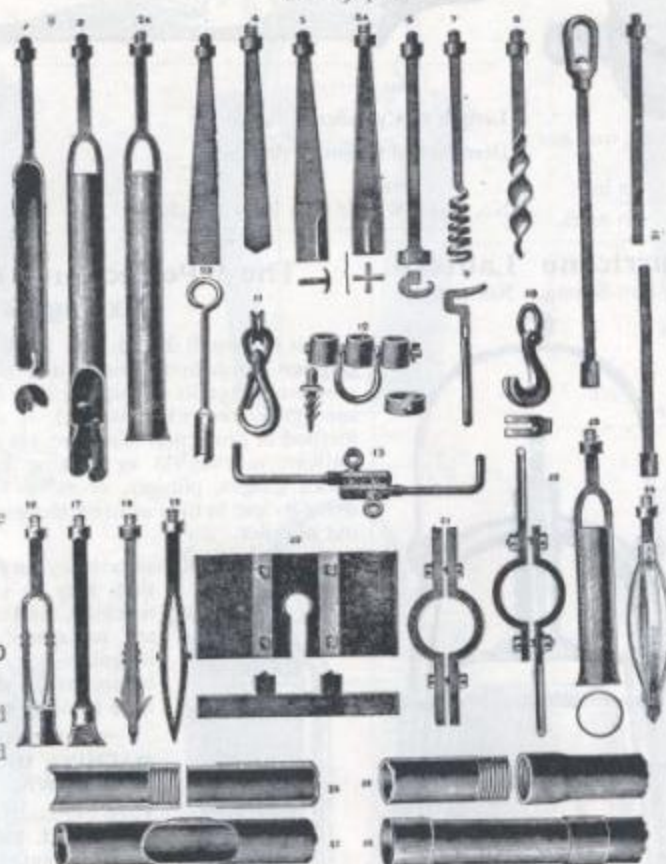
# Earth and Well Boring Tools.

Small Sets of Trial Boring Tools for a depth of 30 feet.

No. 1907W.

## ESTIMATE No. 1.

- One 2 in. Clay Auger.
- One 2 in. Shoe-nose Shell
- One 2 in. Flat Chisel.
- One 2 in. Worm Auger.
- One pair of Tillers.
- One Lifting Dog.
- Two Hand Dogs.
- One Short Swivel Rod.
- Five 5 ft.  $\times$   $\frac{3}{4}$  in. Square Boring Rods.
- One Spring Hook.
- Price ... £11 : 5 : 0
- Extra 5 ft. lengths of Rod for Boring to increased depth, 12/6 each.



## ESTIMATE No. 1a.

- One  $3\frac{1}{2}$  in. Clay Auger.
- One 3 in. Shoe-nose Shell.
- One  $3\frac{1}{2}$  in. Flat Chisel.
- One 3 in. Worm Auger.
- One pair of Tillers.
- One Spring Hook.
- Two Hand Dogs.
- Two Lifting Dogs.
- Five 5 ft.  $\times$  1 in. Square Boring Rods.
- One Short Swivel Rod.
- Price ... £15
- If  $2\frac{1}{2}$  in. Tools instead of 3 in., Price £14 : 12 : 6
- Extra 5 ft. lengths of Rod for Boring to increased depth, 15/6 each.

No. 1908W.

## Pipes for Protecting Borehole or Keeping out Water.

External Diameter ... inches	2	2½	3	3½	4	4½	5	5½	6	7	8	9	10	11	12
Brazed and Collared Pipes, per foot	1/10	2/3	2/7	2/10	3/-	3/2	3/4	3/10	4/4	5/-	6/-	7/-	8/-	9/6	11/-
Riveted and Collared Pipes	1/4	1/7	1/10	2/-	2/2	2/4	2/6	2/10	3/4	4/-	4/8	5/4	6/-	7/-	8/-
Swelled Jointed Screwed Pipes	1/-	1/3	1/6	1/9	2/-	2/3	2/9	3/3	3/9	5/4	—	—	—	—	—
Flush Jointed Screwed Pipes	1/7	2/-	2/4	2/8	3/3	3/9	4/6	5/1	5/8	7/-	9/4	10/-	13/6	18/-	23/-
Steel Driving Collars & Shoes, set	10/-	10/6	13/-	16/6	20/6	25/-	29/6	34/-	38/6	44/6	50/-	60/-	75/-	95/-	120/-

Tools for jointing and lowering pipes, such as Heating Tongs, Clamps, Lowering Tees, Spring Darts, etc. Prices according to size.

Cast-iron Well Bore Pipes with Turned Ends. Wrought-iron Collars and Countersunk Screws. Cast-iron Well Cylinders.

Carriage forward.

This section of our Catalogue contains the leading lines in Woodworkers' Tools, Machines and Accessories. Other sections embracing Engineers' Tools, Machinery and Appliances, Electrical Goods, Motor Tools, Horticultural and Estate Agents' Tools, Builders' and Furnishing Ironmongery, etc., etc., will be posted on application.

Bronze Medal, 1884.—Gold Medal, 1890.



## Earth and Well Boring Tools.

### For a Set of Boring Tools for 50 ft.

#### Estimate No. 2.

One 3½ in. and 2½ in. Clay Augers.  
 One 3 in. and 2 in. Shoe-nose Shells, with Valve.  
 One 3½ in. and 2½ in. Flat Chisels.  
 One 3½ in. and 2½ in. T Chisels.  
 One Worm Auger.  
 Ten 5 ft. lengths 1 in. square Boring Rods.  
 One pair of Tillers. Two Hand Dogs.  
 Two Lifting Dogs. One Snatch Block.  
 One Spring Hook and 30 ft. of Rope.  
 One Short Swivel Rod.  
 One Auger Board. One Auger Clearer.

Price ... .. £26 : 15 : 0.

Extra 5 ft. lengths of Rod for Boring to increased depth, 15/6 each.

If the 2½ in. Tools are omitted, deduct from Estimate £4 : 15 : 0.

Extra for one set of Iron Tubular Shear Legs with Windlass, £12.

### For a Set of Boring Tools for 200 ft. or upwards.

#### Estimate No. 4.

One each 5½ in., 4½ in., and 3½ in. Clay Augers.  
 " 5 in., 4 in., and 3 in. Shoe-nose Shells.  
 " 5 in., 4 in., and 3 in. Auger-nose Shells.  
 " 5½ in., 4½ in., and 3½ in. Flat Chisels.  
 " 5½ in., 4½ in., and 3½ in. T Chisels.  
 One Worm Auger. One Bell Screw.  
 Two Lifting Dogs. Two Hand Dogs.  
 One pair of Tillers. One Snatch Block.  
 Twenty 10 ft. lengths 1½ in. Boring Rods.  
 One Short Swivel Rod.  
 One Spring Hook, with 30 ft. of Rope.  
 One Auger Board. One Auger Clearer.

Price ... .. £65 : 10 : 0

Extra for a Set of Ironwork for Shear Legs, £2.

Extra for a best Iron-bound Well-sinker's Windlass, complete, £12.

Extra for a set of Iron Tubular Shear Legs, with gearing No. 35, instead of Set of Ironwork for Shear Legs and Well-sinker's Windlass, £22 : 10 : 0.

If required to bore beyond this depth, add for each 10 ft. length of 1½ in. Rod, with coupling screw, £1 : 2 : 6.

A spare set of Bottom Tools, consisting of one Auger, one T and one Flat Chisel of each size, and also three spare Male Screws, in case of breakage, will cost £13 : 15 : 0.

If Auger-nose Shells are omitted, deduct £7 : 15 : 0.

If 3½ in. Tools are omitted, deduct £8.

### For a Set of Boring Tools for 100 ft. or upwards.

#### Estimate No. 3.

One each 4½ in. and 3½ in. Clay Augers.  
 " 4 in. and 3 in. Shoe-nose Shells.  
 " 4 in. and 3 in. Auger-nose Shells.  
 " 4½ in. and 3½ in. Flat Chisels.  
 " 4½ in. 3½ in. T Chisels.  
 One Worm Auger. One Bell Screw.  
 Two Lifting Dogs. Two Hand Dogs.  
 One pair of Tillers. One Snatch Block.  
 Ten 10 ft. lengths 1 in. Boring Rods.  
 One Short Swivel Rod.  
 One Spring Hook, with 30 ft. of Rope.  
 One Auger Board. One Auger Clearer.

Price ... .. £37.

Extra for a Set of Ironwork for Shear Legs, £2.

Extra for a best Iron-bound Well-sinker's Windlass, complete, £12.

Extra for a Set of Iron Tubular Shear Legs, instead of Set of Ironwork for Shear Legs and Well-sinker's Windlass, £12.

If required to bore beyond 100 ft., add for each 10 ft. length of 1 in. square Boring Rod, 17/6.

If Auger-nose Shells are omitted, deduct £4 : 15 : 0.

If 3½ in. Tools are omitted, deduct £7 : 10 : 0.

If 4½ in. Tools are omitted, deduct £8 : 15 : 0.

### For a Set of Boring Tools for 300 ft. or upwards.

#### Estimate No. 5.

One each 6½ in., 5½ in., and 4½ in. Augers.  
 " 6 in., 5 in., and 4 in. Shoe-nose Shells.  
 " 6 in., 5 in., and 4 in. Auger-nose Shells.  
 " 6½ in., 5½ in., and 4½ in. Flat Chisels.  
 " 6½ in., 5½ in., and 4½ in. T Chisels.  
 Two each 6½ in., 5½ in., and 4½ in. Boring Rods.  
 One Worm Auger. One Crow's Foot.  
 Two Lifting Dogs. Two Hand Dogs.  
 One pair of Tillers. One Snatch Block.  
 One Short Swivel Rod. One Bell Box.  
 One Spring Hook, with 30 ft. of Rope.  
 Thirty 10 ft. Lengths of 1½ in. Rods.  
 One Auger Board. One Auger Clearer.

Price ... .. £90.

Extra for a Set of Ironwork for Shear Legs, £2.

Extra for a Double-gear, extra strong, best Iron-bound Well-sinker's Windlass, complete, £24.

Extra for a set of Iron Tubular Shear Legs, with gearing, instead of a Set of Ironwork for Shear Legs and Well-sinker's Windlass, £22 : 10 : 0.

Extra if fitted with Fast and Loose Pulleys, £6 : 10 : 0.

If required to bore beyond this depth, add for each 10 ft. length of 1½ in. Rod, with Coupling Screws, £1 : 2 : 6.

A spare set of Bottom Tools, consisting of one Auger, one T, and one Flat Chisel of each size, and also six spare Male Screws, in case of breakage, will cost £18 : 10 : 0.

If Auger-nose Shells are omitted, deduct £9.

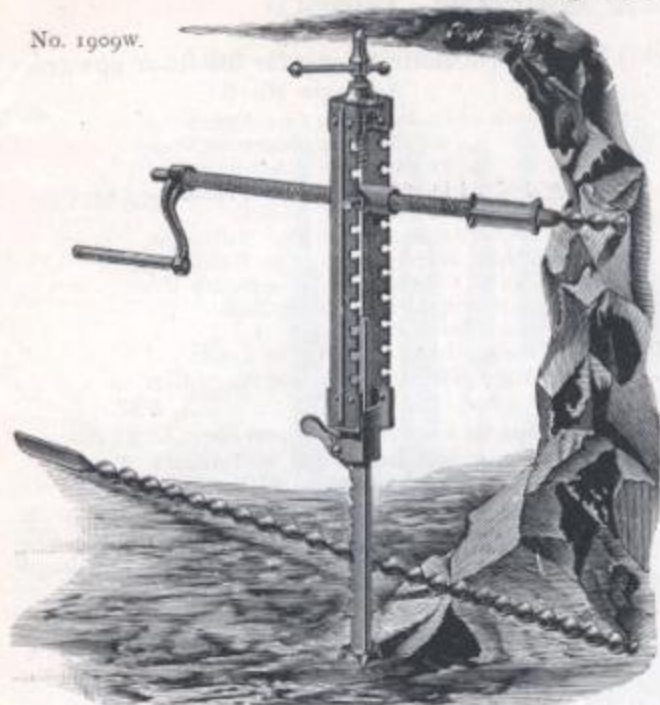
#### Carriage Forward.

Estimates for sets of Earth and Well Boring Tools for depths up to 1,000 ft. or more sent on receipt of specification.

**Tool, Machine, and Hardware Merchants and Manufacturers.**

# Boring Machines.

No. 1909w.



Price £1 : 17 : 6 (complete with 4 Drills, two each 19 in., and 38 in. long).

Height closed with Short leg, 2 ft. 8 in.

" extended " " 4 " 4 "

" closed " Long " 2 " 8 "

" extended " " 5 " 11 "

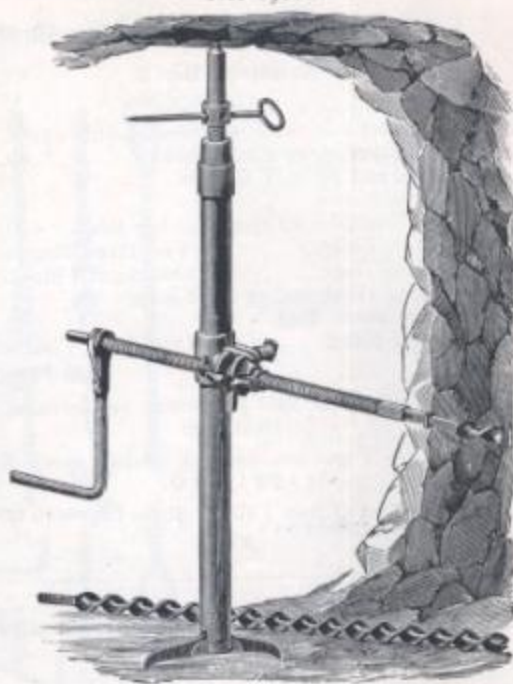
Approximate Total Weight, 45 lb.

If with Ratchet Handle instead of Plain Handle, 4/6 extra.

A Light Handy Machine for boring Coal and Bind.

*Carriage Forward.*

No. 1910w.



A most effective machine for Coal and moderately Hard Stone at a price well within the reach of miners and others.

Height 4½ ft. closed and 5 ft. extended.

Approximate Total Weight, 60 lb.

Price, with 3 Drills (one each 18 in., 36 in., and 54 in. long), £3 : 10 : 0

Extra Lengths of Standard, 5/6 per foot.

Also supplied with Telescopic Standard to extend to almost any length required. 16/6 extra.

## Cast Steel Double Face Sledge Hammers. No. 1911w.



4 to 12 lb., -/5 per lb.

Cross Pane Hammers same price.

Handles for same, 6/- per doz.

## Cast Steel Stone Breakers' Hammers.



No. 1913w.

1½ to 3 lb., -/5 per lb.

Handles for the above, 36 in., price 2/- per doz.

## Cast Iron Stob Mallets.

No. 1912w.



Weights, 7 lb., 1/3 each.

" 14 " 2/3 "

Comparison will show that our Quotations for High-Grade Tools are as low as, and frequently lower, than the prices asked by other houses for inferior goods.

**RICHARD MELHUISH, LTD.**

## Brass Rollers for Concrete Pavement.



No. 1914w.

Pyramid Roller.

7 in. long.

4 in. diameter.

Price 35/-



No. 1915w.

Jointer Roller.

2½ in. long.

Price 5/6

**Orders of 20/- and upwards Carriage Paid (with few exceptions).**



## Ratchet Boring Machine for Rock.

No. 1916W.

Very handy Machines, strongly made and well fitted. Will penetrate any stone that it is possible for a Hand Rotary Drill to bore. Thousands in use. Low price. No pitman should be without them.

### PRICES:

No.	Type,	strong ...	£2 : 10 : 0	Approximate Total Weight, 47 lb.
" 2 "	with Elliott's Automatic Feed Motion	...	2 : 15 : 0	49 "
" 1 "	with Stainer's Split Nut "A," for quick withdrawal of drills	...	2 : 19 : 6	50 "
" 2 "	with Elliott's Automatic Feed Motion	...	3 : 5 : 0	54 "
" 3 "	Scotch Pattern	...	1 : 15 : 0	42 "
" 4 "	Do., special light	...	1 : 10 : 0	36 "
All with 3 Drills, 18 in., 30 in., 42 in. long.				

RICHARD MELHUISH, LTD., wish to point out to Mining Engineers, Colliery Managers, Contractors, and Agriculturists that they lay themselves out specially for supplying all descriptions of Mining, Contractors' and Agricultural Tools and Plant. Good Workmanship and Efficiency of every article guaranteed.

**Important to those Ordering through Shippers.**—In order to ensure entire satisfaction, we advise our friends to be careful in giving definite instructions that the Goods shall be procured direct from our house. By these means they may be sure of receiving the pattern and quality specified in our Catalogue.

RICHARD MELHUISH, LTD., London, E.C.

## Boring Machine for Rock or Coal.

No. 1917W.

The above Machine will bore any material capable of being penetrated by a Rotary Drill. The feed is perfectly automatic, and is so arranged that the screw may be instantly withdrawn to change drills. The Standard is so constructed that it can be extended from its shortest length to within about one foot of double that length.

All the parts of this Machine required to withstand strain are made of steel, thus ensuring the greatest possible strength combined with lightness. The Standards are made in four sizes, viz. 2 ft. 9 in., 3 ft. 9 in., 4 ft. 9 in., 5 ft. 9 in., when closed.

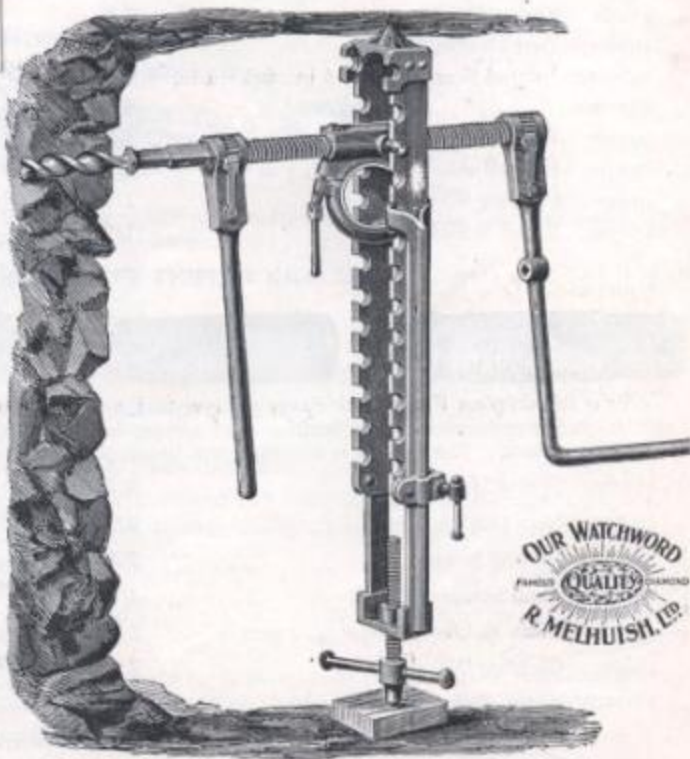
Approximate weights of Machines with 3 Drills, 18 in., 36 in., 54 in. long:

2 ft. 9 in.	3 ft. 9 in.	4 ft. 9 in.	5 ft. 9 in.
136 lb.	154 lb.	167 lb.	190 lb.

Price ... .. £9 : 10 : 0

Drills are supplied of Flat, Oval, or Diamond Section, as required.

All Carriage Forward.



**A large and varied Stock of Engineers' Tools and Motor Accessories.**

# Drain Implements.



## Fitted with Ordinary Brass Screws.

No.	Description	Price	No.	Description	Price	Bass.	Whalebone.
No. 1918w.	Spring Hook	2/9	No. 1927w.	6-9 in. diam.	4/9	5/3	
" 1919w.	Best Double Worm	1/7	" 1928w.	4-6 " "	2/3	3/-	
" 1920w.	Jointed Scraper, best, 6 in., 2 1/4; 4 in.	1/7	" 1929w.	7-9 " "	2/9	3/3	
" 1921w.	" " Galvanized, 4 in.	1/-	" 1930w.	Steel or Brass Wire	1/9 2/- 2/3 2/6 3/- 3/3		
" 1922w.	Plain Scraper	1/6	" 1931w.	Universal Clearing Wheel	2/9		
" 1923w.	India Rubber Plunger, 4, 5 or 6 in.	2/1	" 1932w.	Archimedian Screw (Brass)	2/3		
" 1924w.	Clearing Wheel	1/7	" 1933w.	Brush Plunger, Bass	2/2		
" 1925w.	Wood Roller	1/7	" 1934w.	" " Whalebone	2/6		

## Fitted with PATENT FLUSH LOCK-JOINT SCREWS.



This is the simplest Flush Lock Screw yet invented, and is invaluable for all Electrical, Telephone, and Drain Work. It can be quickly connected in any position, and cannot become unfastened in pipe, no matter in which direction the rods may be turned. The locking is accomplished by simply turning the milled end of screw side of joint.

No.	Description	Price	No.	Description	Price	Bass.	Whalebone.
No. 1935w.	Spring Hook	2/9	No. 1942w.	6-9 in. diam.	5/3	5/9	
" 1936w.	Best Double Worm	2/3	" 1943w.	4-6 " "	2/9	3/6	
" 1937w.	Jointed Scraper	2/1	" 1944w.	7-9 " "	3/3	3/9	
" 1938w.	Plain Scraper	1/9	" 1945w.	Steel or Brass Wire	2/6 2/9 2/9 3/- 3/3 3/6		
" 1939w.	India Rubber Plunger, 4, 5 or 6 in.	2/9	" 1946w.	Universal Clearing Wheel	3/6		
" 1940w.	Clearing Wheel	2/2	" 1947w.	Archimedian Screw (Brass)	2/9		
" 1941w.	Wood Roller	2/2	" 1948w.	Brush Plunger, Bass	2/9		
			" 1949w.	" " Whalebone	3/3		

Carriage Forward.

Contractors to the Home, Indian, and Colonial Governments.



## Drain Cleansing Machines.

Fitted with Ordinary Brass Screws.

### No. 1950W. Extra Quality.

3 ft. Red Malacca or Rattan Canes, fitted with Brass Screws; complete with Clearing Wheel, Double Worm, Cup Cap and Rubber Plunger, Drop Scraper, 4 or 6 in. Bass Brush, and pair of Straps.



30 ft. Complete	...	...	...	£1 : 9 : 6	70 ft. Complete	...	...	...	£2 : 8 : 0
40 " "	...	...	...	1 : 11 : 9	80 " "	...	...	...	2 : 13 : 6
50 " "	...	...	...	1 : 17 : 6	90 " "	...	...	...	2 : 18 : 9
60 " "	...	...	...	2 : 2 : 6	100 " "	...	...	...	3 : 4 : 6

### No. 1951W. Best Quality.

(Special Galvanized Implements.)

3 ft. Red Malacca or Rattan Canes, fitted with Brass Screws; complete with Roller, Double Worm, Cup Cap and Rubber Plunger, Drop Scraper, 4 in. Bass Brush, and pair of Straps.



30 ft. Complete	...	...	...	£0 : 17 : 0	70 ft. Complete	...	...	...	£1 : 15 : 9
40 " "	...	...	...	1 : 1 : 3	80 " "	...	...	...	2 : 2 : 0
50 " "	...	...	...	1 : 7 : 0	90 " "	...	...	...	2 : 6 : 6
60 " "	...	...	...	1 : 11 : 9	100 " "	...	...	...	2 : 10 : 9

### No. 1952W. Ordinary Quality.

(Special Galvanized Implements.)



3 ft. Red Malacca or Rattan Canes, fitted with Brass Screws; complete with Roller, Double Worm, Cup Cap and Rubber Plunger, and pair of Straps.

30 ft. Complete	...	...	...	£0 : 14 : 6	70 ft. Complete	...	...	...	£1 : 9 : 0
40 " "	...	...	...	0 : 17 : 6	80 " "	...	...	...	1 : 12 : 6
50 " "	...	...	...	1 : 1 : 9	90 " "	...	...	...	1 : 16 : 6
60 " "	...	...	...	1 : 5 : 0	100 " "	...	...	...	2 : 0 : 6

When ordering please say which Quality Machine is required.

All the Screws of these Rods and Appliances are interchangeable.

### No. 1953W. Drain Cleansing Machines.

Fitted with Patent Flush Lock-Joint Screws as illustrated and described on opposite page.

3 ft. Red Malacca Canes, complete with Rubber Plunger, Double Worm, Clearing Wheel and Straps.

30 ft. Complete	...	...	...	£1 : 12 : 0	70 ft. Complete	...	...	...	£3 : 5 : 6
40 " "	...	...	...	1 : 16 : 8	80 " "	...	...	...	3 : 13 : 6
50 " "	...	...	...	2 : 8 : 0	90 " "	...	...	...	4 : 2 : 0
60 " "	...	...	...	2 : 18 : 6	100 " "	...	...	...	5 : 12 : 0

NOTE—We supply at same prices any of the above machines made up of Malacca or Rattan Canes in lengths of from 3½ to 4 ft. It is very often more convenient, when working in confined places, to have the canes of various lengths.

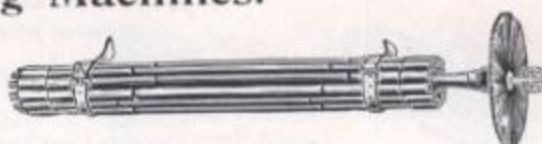
Carriage Forward.

Bronze Medal, 1884.—Gold Medal, 1890.

## Chimney Sweeping Machines.

No. 1954W.

Best Quality Red Malacca Canes, in 4 ft. lengths, complete with 18 in. Whalebone Brush and Straps as Illustration.



		No. 1.	No. 2.			No. 1.	No. 2.
		Extra Quality.	Best Quality.			Extra Quality.	Best Quality.
30 ft. ...	...	£1 : 5 : 0	£1 : 2 : 0	70 ft. ...	...	£2 : 6 : 6	£2 : 0 : 6
40 " ...	...	£1 : 8 : 4	£1 : 5 : 9	80 " ...	...	£2 : 9 : 4	£2 : 6 : 6
50 " ...	...	£1 : 15 : 0	£1 : 11 : 9	90 " ...	...	£2 : 14 : 0	£2 : 10 : 0
60 " ...	...	£1 : 19 : 0	£1 : 15 : 3	100 " ...	...	£2 : 19 : 6	£2 : 14 : 0

### The "Shaft" Chimney Sweeping Machine.

No. 1955W.

This Machine is used without Rod. It consists of a Whalebone or Bass Brush with a rope attachment top and bottom. A heavy Iron Ball is fastened to the lower rope and dropped down the chimney, and the brush can then be drawn up and down as required.



#### PRICES FOR BRUSHES:

6 to 9 in., Whalebone	...	each	4/-	Bass	...	each	4/-
10 " 15 "	...	"	5/5	"	...	"	4/9
16 " 18 "	...	"	7/6	"	...	"	5/5
20 " 22 "	...	"	12/2	"	...	"	6/6

Iron Ball for use with same, 1/-

### Turk's Head.

Mounted in Wood with Screws to Fit Canes.

No. 1956W.

	6 in.	8 in.	10 in.
Bristle ...	each 6/9	8/9	10/9
Bass ...	4/-	4/9	5/6

Fitted with Patent Lock Joint Screw, -/6 extra.



### The "Combined" Chimney Sweeping and Drain Cleansing Set.

For use in Private Mansions, Hospitals, etc.

Comprising Best Malacca Canes in 3 ft. lengths, with 16 in. Bass Head, Cloth, Shovel, Hand Brush, Double Worm Screw, Cup and Cap, Rubber Plunger, and Scraper, and contained in neat Wood Box.

No. 1957W.



30 ft. ...	...	£2 : 9 : 6	70 ft. ...	...	£3 : 14 : 6
40 " ...	...	£2 : 16 : 9	80 " ...	...	£4 : 1 : 0
50 " ...	...	£3 : 0 : 9	90 " ...	...	£4 : 7 : 9
60 " ...	...	£3 : 7 : 6	100 " ...	...	£4 : 14 : 6

Carriage Forward.

**NOTE.**—This section of our Catalogue contains the leading lines in Woodworkers' Tools, Machines, and Accessories. Other sections embracing a great variety of Engineers' Tools, Machines, and Appliances, Electrical Goods, Motor Tools, Horticultural and Estate Agents' Requirements, Builders' and Furnishing Ironmongery, etc. etc., will be sent per post on application.

**Tool, Machine, and Hardware Merchants and Manufacturers.**



### Book Truck.

No. 1958w.

40 in. long.  
24 " wide.  
12 " high.  
8 " wheels.  
24 " upright.

Price,  
£3 : 10 : 0

Rubber  
Tyres,  
£1 : 16 : 0  
extra.



No. 1059W.

48 in. long.  
26 " wide.  
14 " high.  
30 " upright.

Price,  
£3 : 15 : 0

Rubber Tyres,  
**£2 : 5 : 0**  
extra.



No. 1960W.

Hardwood frame, 22 in. x 16 in., ends padded and covered with Basil Hide Leather, wheels 7 in., round soled rubber tyres. Price **£1:5:0**

### Hand Carts.

No. 1061W.

Specially designed for Retail Grocers and Provisional Factors. It is fitted inside at each corner with angle iron, bolted to sides and ends, bound on top of body with half-round iron and is very strongly made.

Body, outside,  
36 in. x 24 in. x 10 in. deep,  
36 in. Warner Wheels.  
Price ... **£7 : 2 : 6.**



Painter's, Plumber's or Builder's Cart.

No. 1963W.

Body, 48 in. long, 25 in.  
wide, 18 in. deep, 36 in.  
wheels, to carry 3 cwts.

Price ... £7 : 5 : 0

No. 1964W.

Without pole, and with  
prop at front.

Price £6 : 15 : 0



### Heavy Four-Wheeled Bogie Truck.

No. 1062w.

Suitable for carrying all kinds of heavy goods, 6 ft. x 2 ft. 4 in.

Wheels, 14 in.  $\times$  2½ in. and 10 in.  $\times$  2½ in.  
Axles, 1½ in. round.

Two  $1\frac{1}{2}$  in. round iron cross-bars.

Price ... .. £6 : 10 : 0

If plated on top, **10** - extra.



### Steel Wide-Grooved Pulleys.

Exceedingly strong and light, entirely superseding the old Cast-iron Sheaves.

Diameter A	$1\frac{1}{8}$	$1\frac{7}{8}$	$2\frac{1}{2}$	$2\frac{3}{4}$	$3\frac{1}{2}$	$4\frac{1}{2}$	$5\frac{7}{8}$	7	$8\frac{5}{8}$ in.
Diameter of the hole B	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$ ..
Width of the groove C	$\frac{5}{16}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	1	$1\frac{1}{8}$ ..
Depth of the groove D	$\frac{3}{16}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{8}$ ..
Price per dozen	1/6	2/3	3/-	3/9	5/6	7/6	15/9	20/-	33/6



### Sack Truck Wheels.

No. 1066W.

5 in. diam.	...	$\frac{3}{4}$ or 1 in. hole	...	- 10 each.
7 " "	...	$\frac{1}{2}$ " 1 " "	...	1/3 "
8 " "	...	$\frac{3}{4}$ " 1 " "	...	1/8 "

9 in. diam.	...	$\frac{3}{4}$ or 1 in. hole	...	1/10 each.
10 "	"	$\frac{3}{4}$ "	1 "	2/2 "
12 "	"	$\frac{7}{8}$ "	1 "	3/3 "

Extras for India Rubber Tyres :

5 in., 4/6; 7 in., 5/6; 8 in., 5/9; 9 in., 6/-; 10 in., 7/-; 12 in., 8/-.



Orders of 20/- and upwards Carriage Paid (with few exceptions).



### General Purpose Truck.

No. 1967w.  
Wood Varnished.

4 ft. 3 in.  
high.

10 in. wheels.

Price:  
£1 : 7 : 6  
each.

India Rubber  
Tyres,  
14/- extra.

### Dock Trucks.

With Patent Axle Bearings.

No. 1968w.

No. 1. 4 ft. 6 in. high, 22 in. wide at top, 16 in. at bottom, 10 in. solid wheels, axle 1½ in. round, foot iron 7 in. high.

Price ... £2 : 0 : 0

If Woodwork is Varnished, 2/- extra.

### Bale Truck.

No. 1969w.



3 ft. 6 in. long, 1 ft. 10 in. wide, 8 in. wide.

Price ... £1 : 5 : 0

No. 2. Sides  
5 ft. 6 in. long,  
2 in. thick,  
22 in. wide at  
top, 16 in. at  
bottom, foot  
iron 6 in. high,  
heavy spoked  
wheels 12 in.  
by 2½ in., 1½ in.  
bore.

Price:  
£3 : 0 : 0  
If Woodwork  
is Varnished,  
2/- extra.



### Roll Truck. No. 1971w.



Price.

No. A. 33 in. x 20 in. 5 in. wheels £1 : 15 : 0

" B. With 2 centre balance  
wheels and 1 wheel at  
each end ... 1 : 12 : 6

Capable of Carrying from  
5 to 20 cwt. Larger  
and Stronger Trolleys  
Made to Order.



No.  
1970w.

### Warehouse Trolley.

Four-wheel Trolley with Iron Handles and Front  
Wheels to turn underneath.

No. 1. 2 ft. x 1 ft. 6 in. ... £2 : 5 : 0

" 2. 3 ft. x 2 ft. ... 2 : 15 : 0

" 3. 4 ft. x 2 ft. 6 in. ... 3 : 10 : 0

" 4. 5 ft. x 3 ft. ... 4 : 5 : 0

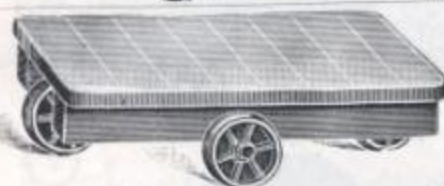
" 5. 6 ft. x 4 ft. ... 5 : 10 : 0

India Rubber Tyres—No. 1, 15/-; No. 2, 17/6;

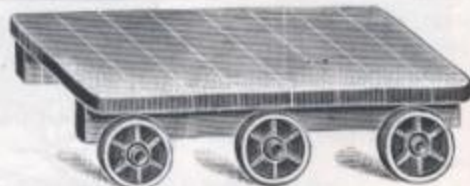
No. 3, £1 : 2 : 0; No. 4, £1 : 6 : 0; No. 5,

£1 : 8 : 0

Constructed of hardwood, framing fitted with  
wrought iron corner plates and solid wheels.  
Woodwork varnished, ironwork blacked.

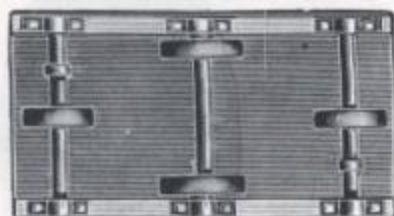


### Revolving Trucks.



Four  
Wheels for  
Moderate  
Loads.

No. 1972w.



Six  
Wheels  
for Heavy  
Loads.

No. 1973w.



No.	Size.	Height.	Price.	Thick half-round Rubber Tyres, vulcanized on.
	in. in.	in.	£ s. d.	Each Wheel.
A	24 x 16	8	0 : 18 : 6	4/-
B	30 x 20	9	1 : 2 : 6	5/6
C	36 x 24	9	1 : 10 : 0	5/6
D	42 x 24	9	1 : 17 : 6	5/6
E	48 x 26	10	2 : 4 : 6	6/-
F	54 x 30	12	2 : 17 : 6	7/6
G	60 x 36	14	3 : 12 : 6	10/-
H	72 x 36	14	4 : 7 : 6	10/-

CARRIAGE FORWARD.

No.	Size.	Height.	Price.	Thick half-round Rubber Tyres, vulcanized on.
	in. in.	in.	£ s. d.	Each Wheel.
I	24 x 16	8	1 : 3 : 0	4/-
J	30 x 20	9	1 : 8 : 0	5/6
K	36 x 24	9	1 : 17 : 0	5/6
L	42 x 24	9	2 : 8 : 0	5/6
M	48 x 26	10	2 : 17 : 0	6/-
N	54 x 30	12	3 : 12 : 6	7/6
O	60 x 36	14	4 : 12 : 6	10/-
P	72 x 36	14	5 : 0 : 0	10/-

A large and varied Stock of Engineers' Tools and Motor Accessories.



### London Pattern Sack Truck.

No. 1974W.

Nos. 1 and 2.



No. 3.



With  
Patent Axle  
Bearings.

These Trucks are made with Hardwood Frames; straight sides and strong cross-bars, slightly curved on the tops; the Shoe is solid forged iron; the Wheels are strong solid-webbed; the Axles are inch round and revolve in PATENT Bearings, which lessen friction and draught, and considerably reduce the wear. The Woodwork is unvarnished, and the Ironwork painted black.

No.	Height.	Wheels.	Foot Iron.	Price.
No. 1.	3 ft. 3 in.	6 in.	4 in. high	13/-
" 2.	3 " 6 "	7 " 5 "	" "	15/-
" 3.	3 " 8 "	8 " 6 "	" "	17/-
" 4.	4 " 0 "	9 " 7 "	" bolt under top rail	20/-
" 5.	4 " 3 "	9 " 8 "	" "	23/6
" 6.	4 " 6 "	10 " 9 "	" "	27/6

#### EXTRAS.

Woodwork varnished, 1/- each; round iron feet under top rail, Nos. 1, 2, 3, 1/9 each; Nos. 4, 5, 6, 3/- each. India Rubber Tyres (vulcanized on):—No. 1, 7/6; 2, 8/6; 3, 10/-; 4 and 5, 12/-; 6, 14/- each.

### Dock Truck.

No. 1977W.

With Patent Axle Bearings.

No. 1. 4 ft. 6 in. high, 22 in. wide at top, 16 in. at bottom, 10 in. solid wheels, axle 1 1/2 in. round, foot iron 7 in. high.

Price ... £2 : 5 : 0

If woodwork is varnished, 3/- extra.

No. 2. Sides 5 ft. 6 in. long, 2 in. thick, 22 in. wide at top, 16 in. at bottom, foot iron 6 in. high, heavyspoked wheels 12 in. x 2 1/2 in., 1 1/2 in. bore.

Price ... £3 : 5 : 0

If woodwork is varnished, 3/- extra.



### Curved Bar Truck.

No. 1975W.

These Trucks are made of well-seasoned hardwood, stained and varnished. The sides are slightly curved, and the wrought foot iron has round or square front (round sent unless square ordered). The Wheels are solid and have long bearings for axles.

No.	Height.	Wheels.	Foot Iron.	Price.
1	3 ft. 6 in.	7 in.	4 in.	14/-
2	3 " 8 "	8 " 5 "	" "	15/6
3	4 " 0 "	9 " 6 "	" "	18/-
4	4 " 2 "	10 " 6 "	" "	21/-



Extras.—Bolt under top rail, -/6; round iron feet under top rail, No. 1 and 2, 1/9; No. 3 and 4, 2/9; wrought iron hoops on wheels, 2/-; No. 4, 3/-.

India Rubber Tyres (vulcanized on):—No. 1, 9/-; No. 2, 10/-; No. 3, 11/6; No. 4, 14/-.

### New Pattern Truck.

(Varnished.)

No. 1976W.

Wheels run underneath and inside Frames as shown.



No.	Height.	Price.	Rubber Tyres Extra.
1	3 ft. 6 in.	16/6	10/-
2	3 " 8 "	17/6	10/-
3	4 " 0 "	19/6	10/-
4	4 " 2 "	23/6	15/-

### Warehouse Trucks.

{No. 1978W.

Strongly made and full strapped, woodwork is varnished, and wheels are fitted with Patent Axle Bearings.

No.	Height.	Foot Iron.	Wheels.	Price.
3	4 ft. 4 in.	9 in.	10 in.	£1 : 15 : 0
4	4 " 6 "	12 " 10 "	" "	1 : 16 : 6
5	4 " 8 "	12 " 12 "	" "	1 : 19 : 6

India Rubber Tyres:—

No. 3, 15/-; No. 4, 14/-; No. 5, 17/6 extra.

Contractors to the Home, Indian, and Colonial Governments.

# Wood Boring Machine.

No. 1979w.

The frame is made of half-inch round steel rods; the braces are the same, and attached to the rods at the top by a set screw. When this set screw is loosened, the frame falls over so as to bore at any desired angle.

The depth of hole to be bored is fixed by a stop, as seen on the left-hand upright rod in the cut. When the frame strikes this stop, lift the latch, and the machine throws itself into gear by the use of a spring, and the Auger is lifted out of the hole by continuing to turn the crank in the same direction.

When the Auger is drawn from the hole, the frame hangs itself up until the machine is moved to the next hole; then it is dropped down by turning the crank back until the Auger strikes the wood, when it is thrown out of gear, and proceeds to bore the next hole. As seen in the cut, the machine has adjustable cranks, which fully regulate its speed and power.

PRICE

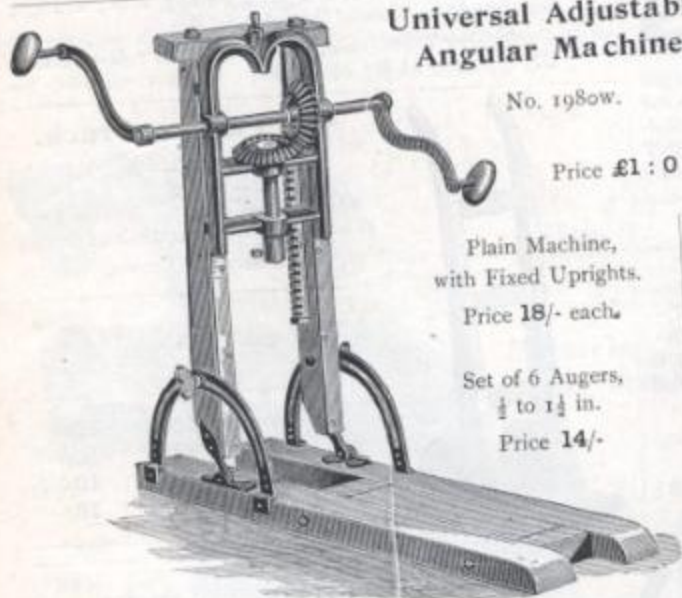
Machine, without Augers ... .. £1 : 15 : 0



## Universal Adjustable Angular Machine.

No. 1980w.

Price £1 : 0 : 0



Plain Machine,  
with Fixed Uprights.

Price 18/- each.

Set of 6 Augers,  
1/2 to 1 1/2 in.

Price 14/-

## Boring Machine Augers.

For the above Machines.

No. 1981w.



1/2	3/8	1/2	3/4	1 in.
2/-	2/-	2/-	2/-	2/3 each.
1 1/2	1 1/4	1 1/2	1 3/4	2 in.
2/6	2/9	3/3	3/9	4/6 each.

## Machine Augers.

With Turned Parallel Shanks.

No. 1982w.

RIGHT HAND.

1/2 3/8 1/2 3/4 in.  
35/- 35/- 36/- 36/- per doz.

1 1/2 1 1/4 1 1/2 1 3/4 in.  
37/- 40/- 43/- per doz.

Special Quotations given  
for all kinds of Machine  
Augers.



R. Melhuish Sons & Co

84, 85, 87, Fetter Lane,  
LONDON, E.C.



Bronze Medal, 1884.—Gold Medal, 1890.





### Small Saw Bench.

For fixing on Wood Bench.

No. 1983w.

With 9 in. Saw it will cut  $2\frac{1}{2}$  in. deep, and  
with 13 in. Saw  $4\frac{1}{4}$  in. deep.

Price, with 9 in. Saw ... £6 : 6 : 6

### Lathe Saw Table.

No. 1984w.

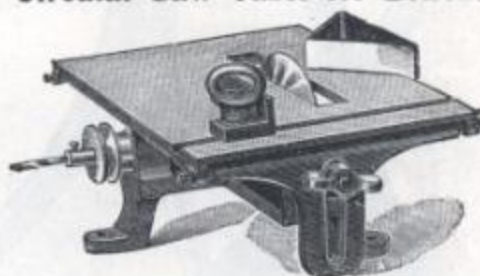


With Planed Iron Top,  $12 \times 9$  in., fitted  
with Square and Mitre Guides, Steel Spindle,  
and 5 in. Circular Saw, to suit  $3\frac{1}{2}$  to 5 in.  
Centre Lathes.

Price ... 36/6 each.



### Circular Saw Table for Bench.



No. 1985w.

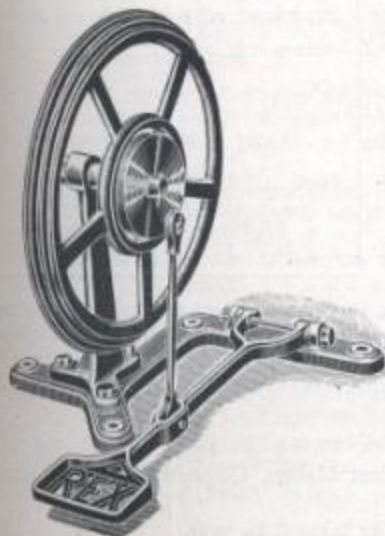
With Guides for straight work and mitreing. It may be driven by any  
convenient treadle, motor, or by power.

Price, complete with 5 in. Saw ... 37/6

Size of top,  $12 \times 9$  in.

For suitable Driving Wheels, see below.

### Treadle Driving Wheels.



No. 1986w.

Diam. of Wheel.	Price.
$14\frac{1}{2}$ in. ...	25/-
20 " ...	30/-
23 " ...	35/-



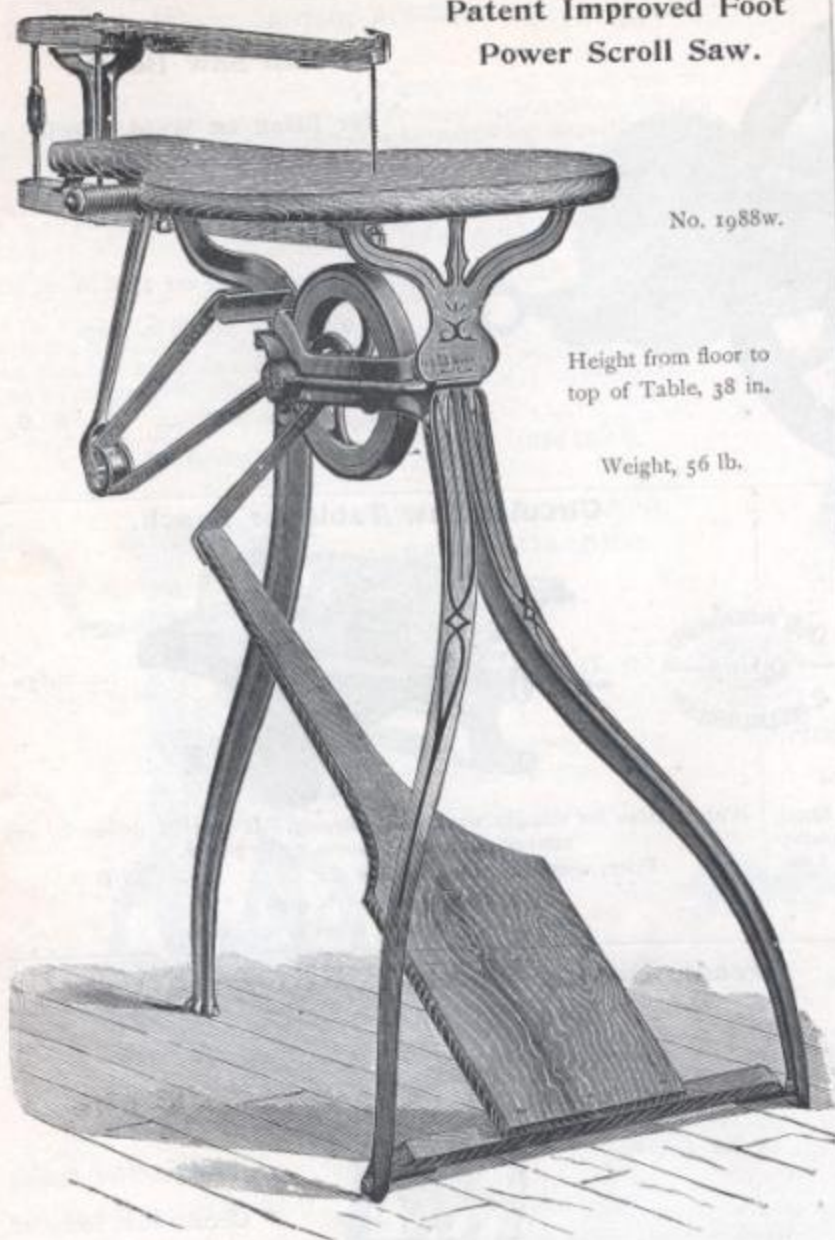
No. 1987w.

Suitable for driving  
Circular Saw, Lathe, or  
small Machine. Well  
finished, 18 in. diameter,  
weight 60 lb. complete.

Price ... 29/-

Carriage Forward.

Tool, Machine, and Hardware Merchants and Manufacturers.



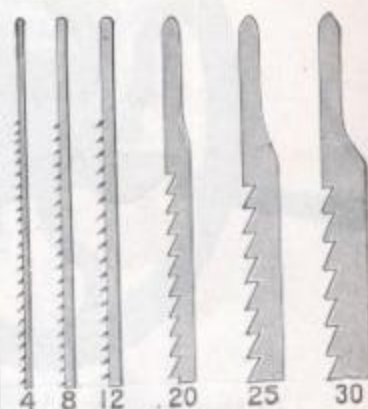
**Patent Improved Foot  
Power Scroll Saw.**

No. 1988w.

Height from floor to  
top of Table, 38 in.

Weight, 56 lb.

**The Victoria Saw  
Blades.**



8 in. long for machines.

No. 1989w.

These Saw Blades are of superior  
quality, temper, and finish.

Nos. 4, 8, and 12 are tempered  
for cutting in wood, bone, shell, and  
soft metals; and Nos. 20, 25, and  
30 for cutting in woods. The  
latter have relieved back, set teeth,  
and can be filed.

**PRICES:**

Nos. 4, 8, and 12 ...	1/- per doz.
" 20, 25, " 30 ...	2/- " "

This is a very powerful Saw, starting instantly the treadle is pressed down, very easy motion, and with reasonable practice will cut Pine Wood 3 in. thick, at the rate of 1 ft. per minute, or Walnut, 1 in. thick, 2 ft. per minute; other woods and thicknesses in proportion.

The space under the arm from the Saw is 24 in., and the Saws are 7 in. long. The Table and Arms are of Hard Maple, and the Frame is cast iron, strong, yet light.

The Balance Wheel runs on a steel arbor.

We include one dozen Saws with each Machine.

This Machine is designed for practical service in the workshops of Cabinet Makers, Carpenters, and Builders, and other workers in wood.

Price £3 : 5 : 0 complete, Packed safely in Case. Machine takes 8 in. saws.

**Carriage Forward.**

**Orders of 20/- and upwards Carriage Paid (with few exceptions).**





No. 1990W.

### The "Improved" Scroll Saw, for Foot or Power.

A thoroughly practical, strong and durable machine, designed for carpenters, builders, cabinet makers, and general workshop use. It will cut up to 3 in. thick and swing 24 in.

The arms have an almost straight up-and-down motion and are arranged to use regularly 8 in. saw blades, but can be easily adjusted to use 5 in. blades for light work.

The iron tilting table, turned true and polished, can be changed to any angle for sawing inlaid work.

The adjustable upright Drilling arrangement is provided with an improved Drill Chuck, which holds from 0 to  $\frac{5}{8}$  in. Twist Drills.

The 24 in. Driving Wheel, fitted with a  $\frac{1}{2}$  in. V Belt, whereby great efficiency without slipping or lost motion is obtained, is worked by a double-foot treadle having a walking motion, by which much greater power can be obtained with less fatigue than by any other kind in use.

Average speed, 800 strokes per minute. Height from floor to top of table, 40 in. Weight 165 lb.

Price complete as shown, with 1 doz. assorted Saw Blades, Twist Drill and Wrench ...	£6 : 17 : 6
Without Drilling Arrangement... ..	5 : 17 : 6
Fast and Loose Pulleys for power ... ..	1 : 5 : 0

### The "Victoria" Lathe.

The "Victoria" Lathe Attachment can be attached to this Machine in the same manner as the Table.

Price ... ..	£2 : 7 : 6
--------------	------------



### The "Victoria" Scroll Saw.

For Foot or Power.

A machine of large capacity, suitable for close and very accurate work. It will cut with the greatest precision up to 3 in. thick, and has a 24 in. swing.

It has an adjustable tension in connection with the upper spindle, which may be varied to suit the operator, using regularly 8 in. saw blades, but can be adjusted to use 5 in. blades for fine work if desired.

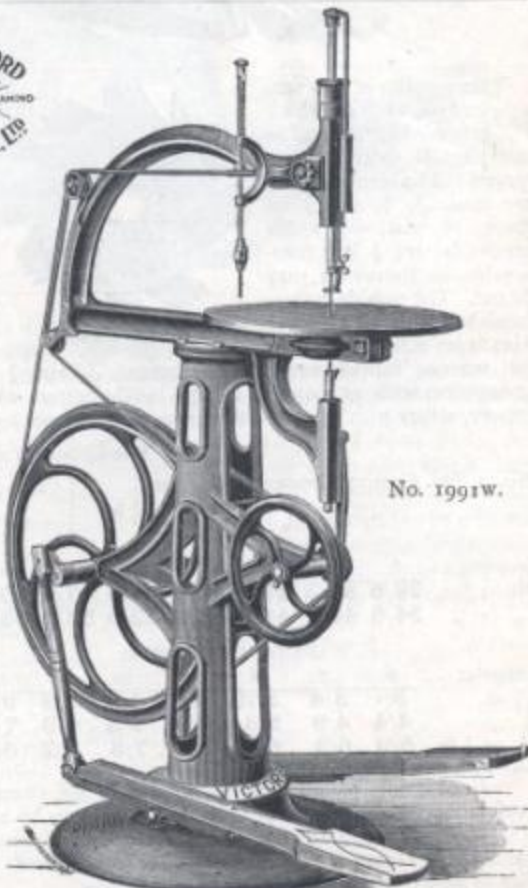
The iron tilting table is 16 inches in diameter, and can be changed to any angle for sawing inlaid work; the table and all finished parts are nickel-plated.

The Driving Wheel with V Belt, the Drilling Attachment, and the Double Foot Treadle are the same as in the "Improved" Scroll Saw described above.

Average speed, 800 strokes per minute. Height from floor to top of table, 40 in. Weight complete, 230 lb.

Complete, as shown, with 1 doz. 8 in. assorted Saw Blades, Twist Drill, and Wrench ...	£8 : 17 : 6
No. 1991W. Without Drilling Attachment ...	7 : 17 : 6
For Power only, arranged to fasten to a work bench, with Fast and Loose Pulleys, no Drilling Attachment ... ..	5 : 17 : 6
Fast and Loose Pulleys, to attach to No. 1991W. Machine, 25/-extra.	

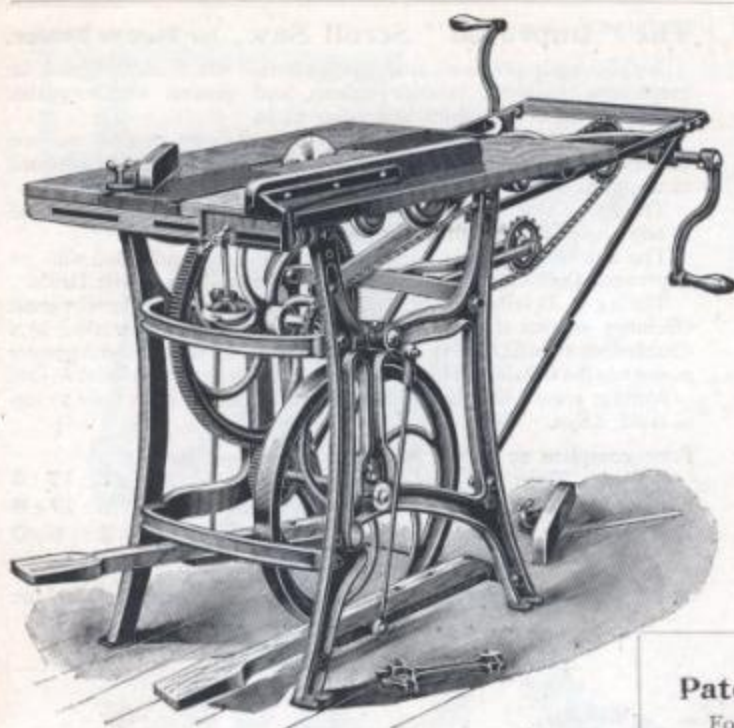
Carriage Forward. Free on Rail, London.



No. 1991W.

A large and varied Stock of Engineers' Tools and Motor Accessories.





## Combination Saw.

No. 1992W.

This Machine is the same as the one shown on opposite page, but without the Self-Feed Ripping Device, Left-hand Ripping Gauge, Front Extension Roll, and other parts pertaining to same.

As Illustration, with one each 7 in. Rip and Cross-cut Saws,

£14 : 5 : 0

N.B.—This price does not include Groover Head, Boring, Moulding, or Scroll Saw Attachments.

*Carriage Forward.*

SHIPPING DIMENSIONS :

Length, 41 in. ; Width, 35 in. ; Depth, 32 in.  
Gross Weight ... .. 520 lb.  
Net " ... .. 380 "

No. 1993W.

## Patent Groover Head.

For cutting Grooves from  $\frac{1}{8}$  in. to 2 in.

This consists of two outside cutters, each of which is a groover in itself, and as many inside cutters as required. The inside cutters are made  $\frac{1}{8}$ ,  $\frac{1}{4}$ , and  $\frac{1}{2}$  in. thick, so that any width groove (above  $\frac{1}{4}$  in.) measurable in sixteenths may be cut. The outside cutters furnished with all Groover Heads are made  $\frac{1}{2}$  in. thick, but we can furnish extra outside cutters  $\frac{5}{8}$  and  $\frac{3}{4}$  in. thick. The outside cutters can be used singly, together, or in connection with as many or as few inside cutters as required to cut the necessary width groove. It will cut a perfect groove, either with or across the grain, and will not leave a rough edge, as is the case with ordinary groovers.



Outside Cutter.



Inside Cutter.



Outside Cutter.



Sample of Work, showing capabilities of this Groover Head.

The Groovers are arranged in Sets as follows :

No. 1 Set, Cutting Grooves  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{3}{8}$  in.

No. 3 Set, Cutting Grooves  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{3}{8}$ ,  $\frac{1}{2}$ ,  $\frac{5}{8}$ ,  $\frac{3}{4}$ ,  $\frac{7}{8}$ ,  $1\frac{1}{8}$ ,  $1\frac{1}{4}$ ,  $1\frac{3}{8}$ ,  $1\frac{1}{2}$  in.

" 2 " " " "  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{3}{8}$ ,  $\frac{1}{2}$ ,  $\frac{5}{8}$  in.

" 4 " " " "  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{3}{8}$ ,  $\frac{1}{2}$ ,  $\frac{5}{8}$ ,  $\frac{3}{4}$ ,  $\frac{7}{8}$ ,  $1\frac{1}{8}$ ,  $1\frac{1}{4}$ ,  $1\frac{3}{8}$ ,  $1\frac{1}{2}$  in.

### PRICES.

Diameter ...	6	7	8	9	10	11	12 in.
No. 1 Set,	28/6	33/3	37/-	40/9	44/9	47/6	53/- ea.
" 2 "	34/6	40/-	44/3	48/3	52/9	56/6	63/- "

Diameter ...	6	7	8	9	10	11	12 in.
No. 3 Set,	42/3	48/-	53/-	58/-	63/3	67/9	75/6 ea.
" 4 "	48/6	54/6	60/-	65/9	71/-	77/-	85/9 "

### INSIDE CUTTERS.

Diameter ...	6	7	8	9	10	11	12 in.
$\frac{1}{8}$ in. ...	3/-	3/4	3/10	4/4	4/9	5/3	5/9 ea.
$\frac{1}{4}$ " ...	4/4	4/9	5/3	5/9	6/3	6/8	7/2 "
$\frac{3}{8}$ or $\frac{1}{2}$ in. ...	5/9	6/3	6/8	7/2	7/8	8/2	8/7 "

### OUTSIDE CUTTERS.

Diameter ...	6	7	8	9	10	11	12 in.
$\frac{1}{8}$ in. ...	14/-	16/-	19/-	21/-	23/-	24/-	29/- ea.
$\frac{1}{4}$ " ...	17/-	19/-	20/-	23/-	26/-	28/-	32/- "
$\frac{3}{8}$ " ...	19/-	22/-	24/-	26/-	29/-	31/-	33/- "

In ordering, please state the number of Set, diameter of Groover, and size of hole wanted. A wire gauge for hole is preferable. Extra Inside or Outside Cutters can be had at any time.

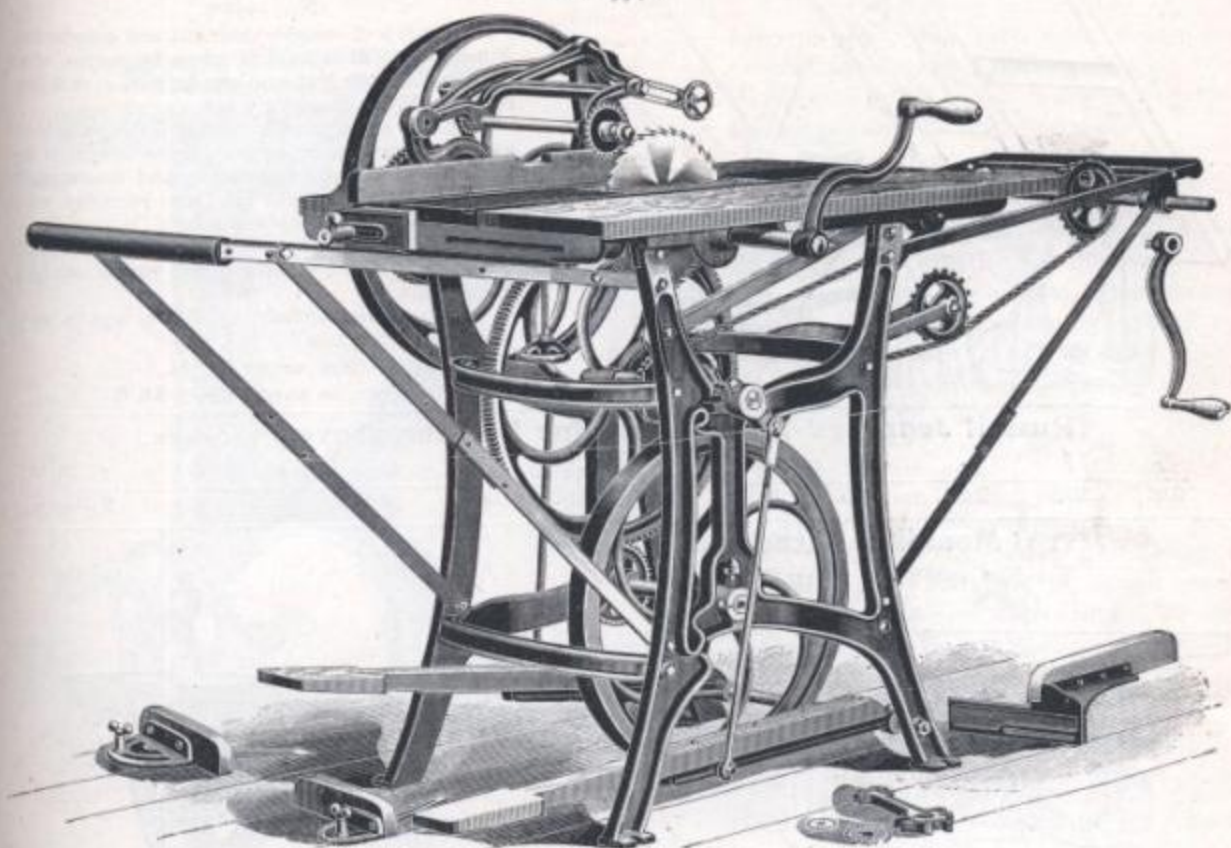
We can furnish any size Groover Head from 6 in. to 12 in. diameter for cutting any width groove from  $\frac{1}{8}$  in. to 2 in., suitable for Heavy Power Machines, for which prices will be given on application. State diameter of Groover Head and size of hole desired. To order only.

**Contractors to the Home, Indian, and Colonial Governments.**



## Combination Saw.

No. 1994W.



This New and Improved Combination Circular Sawing Machine with Self-feed Ripping Device, etc., is a marvel of ingenuity, convenience, and practicability. It is designed for Carpenters, Cabinet, Picture Frame, Box, and Bee Hive Makers, and woodworkers generally. It is a very strong, substantial, and thoroughly well-built Machine, suitable for various kinds of work in Ripping, Cross-Cutting, Mitreing, etc.; also with the addition of the extra attachments, Rebating, Grooving, Gaining, Dadoing, Boring, Scroll Sawing, Edge Moulding, Beading, etc. It can be easily and quickly changed from a Self-feed Ripping Machine to a Cross-cutting Machine. It has a strong, heavy, solid Iron Frame, Steel Shafts, and Babbitt-metal Lined Boxes, adjustable to take up the wear. The power is transmitted entirely by Gears and Chain Belt, thus doing away with any slipping or lost motion. All Gears are cut by Automatic Machinery and run smoothly.

The Foot Power has a walking motion, by which much greater power can be obtained with less fatigue than with any other kind in use, and it enables the operator to run the Machine with both feet, sitting, or one foot, standing, as desired.

It is provided with two Hand Powers—one for the Self-feed, ripping wood  $3\frac{1}{2}$  in. thick, and the other for Cross-cutting, etc., arranged to allow the operator a natural, upright, and easy position. The Hand Power at rear of Machine leaves an entirely Free Table for Cross-cutting (any length), Dadoing, etc.

Shipping Dimensions.—Gross weight, 655 lb.; net ditto, 490 lb.; length, 41 in.; width,  $35\frac{1}{2}$  in.; depth, 36 in.

Complete as Illustration, with one each 7 in. and 10 in. rip saw, and 7 in cross-cut saw. Size of Table, 28 in. wide, 36 in. long.

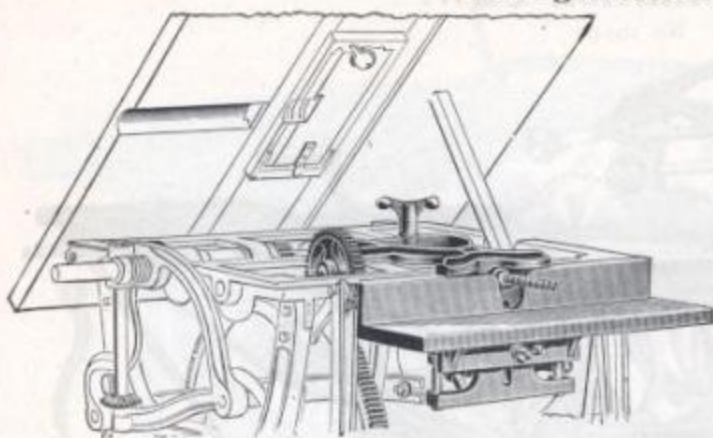
Price, packed securely in strong case ... .. £17 : 18 : 0 Free on Rail London.

For Groover Heads, also Boring, Moulding, and Scroll Saw Attachments for this Machine, see pages 262 and 264.

No. 1995W. **Power Saw Bench** only,\* comprising Rising Top, 36 in. x 28 in. Standards, two 7-in. Circular Saws and Pulley. Net weight, 230 lb. Free on Rail London.

Price ... .. £9 : 17 : 6 Countershaft, 50/- extra.

**Bronze Medal, 1884.—Gold Medal, 1890.**

**Boring Attachment**

For Nos. 1992W and 1994W Combination Saws.  
No. 1996W.

This is a thoroughly practical and substantial Attachment. It is held in place by means of a Bolt and Thumb Nut, and can be put on or taken off as readily as changing a saw.

It has an adjustable Sliding Table, which is so constructed as to secure perfect accuracy in the up and down Adjustments, and is arranged to slide to and from the Bit; also provided with a Stop to gauge the depth of hole.

It has a Steel Spindle arranged with Socket, which will securely hold  $\frac{1}{2}$  in. round straight Shank Bits.

It is driven entirely by Gears, and is very powerful in its action.

Net weight, 38 lb.

Price, in strong Case, 48/6

**Russell Jennings' Special Machine Bits for above.** No. 1997W.

$\frac{1}{16}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	$\frac{15}{16}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{7}{8}$	1 in.
2/3	2/3	2/3	2/10	3/3	3/8	4/-	4/3	4/7	5/-	6/-	7/- each.

**Moulding Attachment**

For Nos. 1992W and 1994W Combination Saws.



This also is a valuable Attachment, and can be quickly and securely placed in position ready for use. It is designed for Edge Moulding, Beading, etc., using our Moulding Cutters.

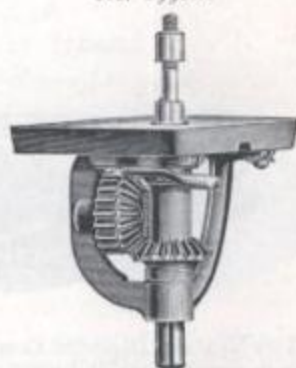
Made entirely of Iron and Steel, simple in construction, compact and durable. It is driven by Spur and Bevel Gears in connection with the Saw Arbor.

The Spindle has a Vertical Adjustment for different thicknesses of work, and is made to rotate in either direction to suit the grain of the wood.

The speed by either Foot or Hand Power is such as to ensure smooth, clean, and rapid work.

Price, in strong Packing Case, 38/6

No. 1998W.



Enlarged view of the Moulding Attachment, detached from the Machine.

**Scroll Saw Attachment**

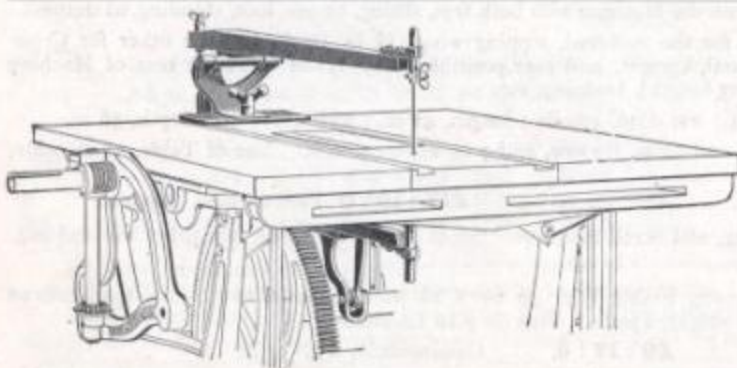
For Nos. 1992W and 1994W Combination Saws.  
No. 1999W.

This handy and useful Attachment can be easily and quickly placed in position ready for use, making a strong and serviceable Scroll Saw with large capacity.

It will cut up to 3 in. thick, and swing 24 in.; the Adjustable Saw Clamps, Arms, and Rocker Motion are the same as used on our large Scroll Saw.

Net weight, 15 lb.

Price, with 1 doz. 8 in. Assorted Saw Blades, packed in strong Case, 38/6



**Tool, Machine, and Hardware Merchants and Manufacturers.**



## Barnes' Improved Foot-power Former, No. 2.

No. 2000W.



This is a Machine for moulding edges of brackets, scroll work, panel work, regular and irregular mouldings of all styles up to  $\frac{7}{8}$  in. The speed of the knives is from twenty to twenty-five hundred per minute. By the aid of our

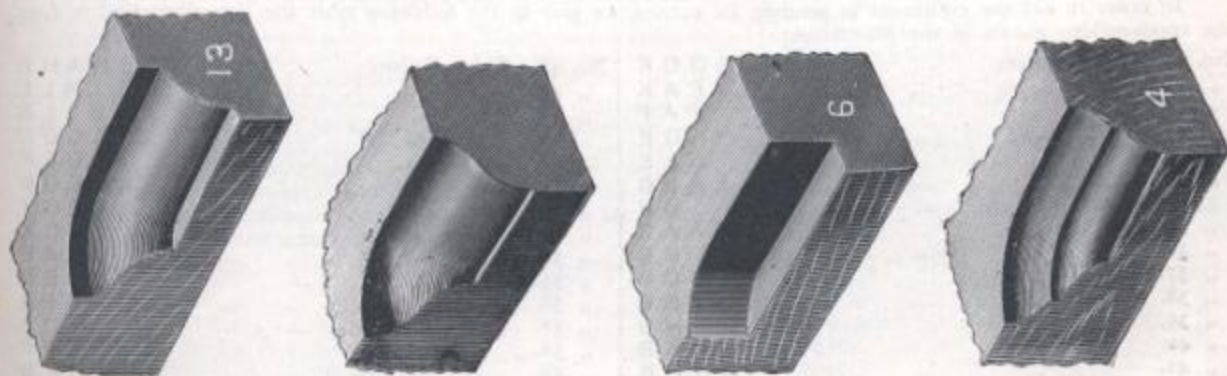
### PATENT VELOCIPED FOOT-POWER

the knives are, at the will of the operator, caused to rotate in either direction that the grain of the wood may require, thus avoiding all complicated devices for reversing motion usually employed on single-spindle formers. The great speed of the knives ensures rapid and smooth work. Articles that look very plain can be made costly and elegant in appearance by the rapid and perfect work of this Machine.

The spindle and its bearings are of cast steel, with adjustments to take up the wear. The parts to set the machine for the use of different knives and work are convenient, substantial, and durable. The table can be lowered to give  $2\frac{1}{4}$  in. between it and the lower cutting edge of the knife.

The Machine, complete, weighs 80 lb.

Price ... ..	£4 : 10 : 0
Cutters, extra ... .. each	0 : 4 : 6



The above illustrations show a few of the Mouldings for which we supply the Cutters for above Machine. These Cutters enable any one to make special mouldings for their work, or to shape the edges of the panels and various parts of furniture, thus adding greatly to the appearance at a very trifling cost.

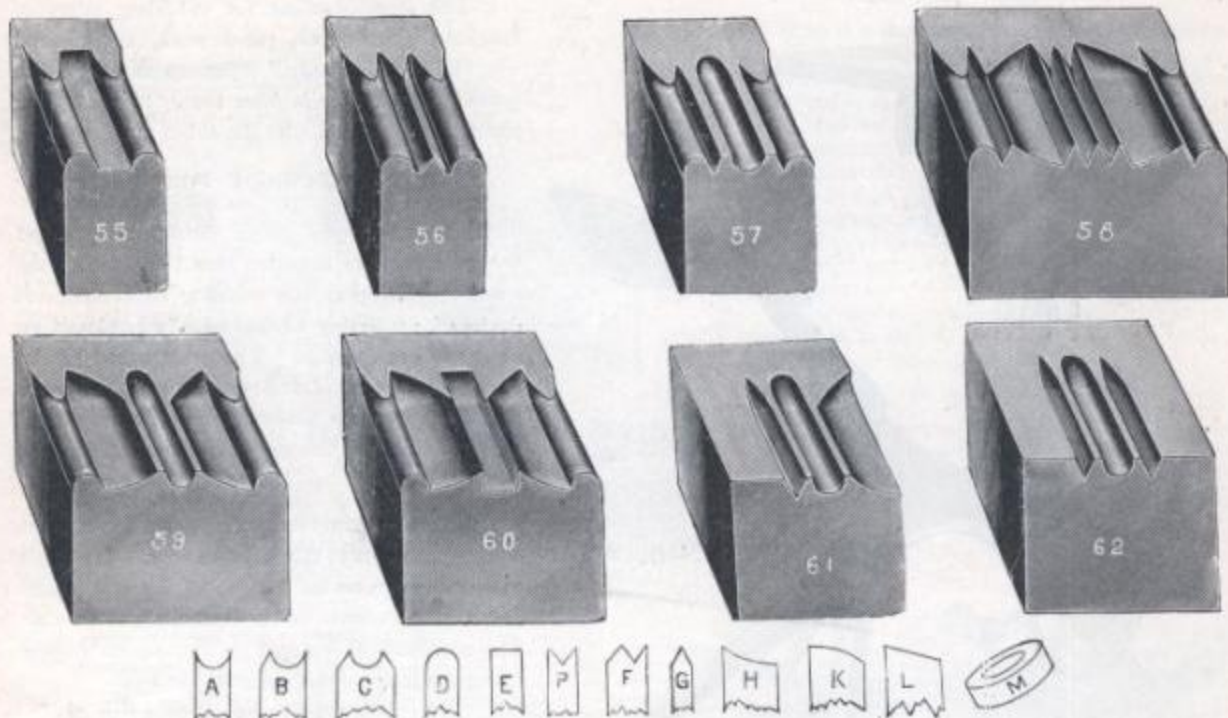
In ordering Cutters, give the Numbers required. Complete list of Cutters sent on application.

Cutters for above Mouldings, price 4/- each.

**Orders of 20/- and upwards Carriage Paid (with few exceptions).**

Illustrations of Mouldings made by Barnes' New Patent Cutters.

Complete List of Cutters sent on application.



The illustrations shown above give some of the forms of Mouldings and Beads that may be made by the new pattern knives we now supply. The changes that can be made by the use of these new cutters are almost endless, and the usefulness of the Former is very greatly increased, making it one of the most valuable machines that a Cabinet-maker can have. We give illustrations of the forms of these cutters, which are designated by the letters on them.

They are made in three sizes, viz.,  $\frac{1}{8}$ ,  $\frac{3}{16}$ , and  $\frac{1}{4}$  in.; and while it is intended that knives of one size shall be used in combination, it is not imperative, and the different sizes may be used in one combination.

In ordering these knives, the letters as well as the size should be given.

In order to aid our customers in sending for cutters, we give in the following table the letters required to form the combinations shown in the illustrations:

No. 24.—Takes Knives	K G D G K	No. 46.—Takes Knives	B H A H B
" 25.	E A K	" 47.	L L A L B
" 26.	P A P	" 48.	B L L B
" 27.	K G K	" 49.	K G G K
" 28.	B L E	" 50.	G E G K
" 29.	E A L G	" 51.	K G E G K
" 30.	B B	" 52.	K G G K
" 35.	B A A B	" 53.	K C K
" 36.	B B	" 54.	E A E
" 37.	B C B	" 55.	B E B
" 38.	B B	" 56.	A P A
" 39.	B H H B	" 57.	B D B
" 40.	B K K B	" 58.	B K P P
" 41.	B H H B	" 59.	B K E K B
" 42.	B K K B	" 60.	B K E K
" 44.	B H C H B	" 61.	G D K
" 45.	B K C K B	" 62.	G D G

These new knives will also make the beads shown in Nos. 59, 61 and 62; and in using these no beading head will be required. They are also reversible, while the former knives only run in one direction. They can also be used to make one, two, or three beads, or more, as required. All of the cutters are double ends.

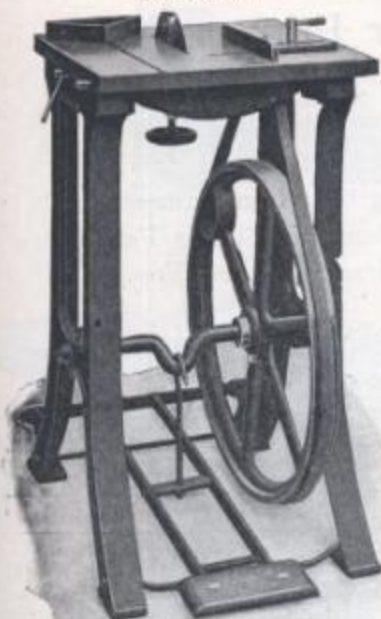
No. 2001W. Cutters only ... .. Price  $2\frac{2}{3}$  each.

**A large and varied Stock of Engineers' Tools and Motor Accessories.**



## Circular Saw Benches with Elevating Tables.

No. 2002W.



Treadle only.

### PRICES.

No. 2002W.

9-in. Size, for Treadle,  
£8 : 5 : 0

No. 2003W.

9-in. Size, for Power,  
£8 : 19 : 6

No. 2004W.

9-in. Size, for Treadle and Power,  
£9 : 5 : 0

No. 2005W.

12-in. Size, for Treadle,  
£12 : 7 : 0

No. 2006W.

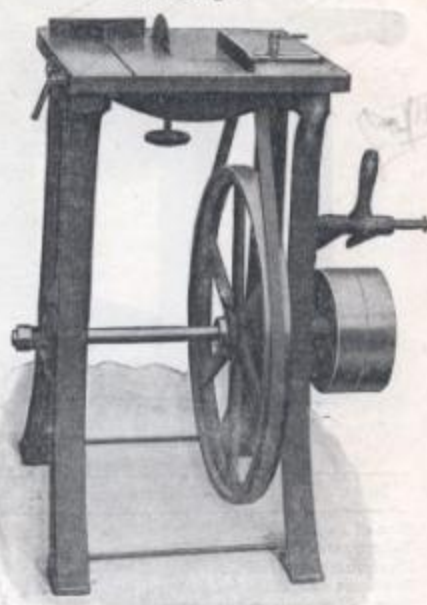
12-in. Size, for Power,  
£12 : 7 : 0

No. 2007W.

12-in. Size, for Treadle and Power,  
£13 : 9 : 6

Phosphor-bronze bearings for 9-in.  
Saw, 21/- extra.

No. 2003W.



Power only.

These illustrations represent our Circular Saw Benches, which are made in two sizes, and are designed for cutting Wood, Vulcanite, and Stereo and other Soft Metals.

### SPECIFICATION.

The **Table** is an accurately planed surface and is hinged, so that by means of the Elevating Screw the amount of saw projecting through table can be varied. The table and spindle supports are one casting; by this means the alignment of the principal parts of the machine are always correct.

The **Spindle** is of steel, with glass hard ends and revolves on glass hard centres, making a very light running machine especially when used for foot.

(The 12-in. size being used for heavier work, the Spindle revolves in adjustable Phosphor-Bronze Bearings.)

(The 9-in. size can also be supplied as above, but must be ordered so, as the price is slightly more than when fitted with centres.)

The **Straight Guide** is adjustable so that various widths can be cut.

The **Angular Guide**, as shown in illustration, has a constant angle of 45 degrees. Holes are drilled on face so that pieces can be fixed on to suit the desired constant angle required.

(An adjustable Mitre Guide is also made to suit those who require this type, which swivels at 45 degrees each side of zero. This can be supplied in place of the Constant Angle Guide, the difference in price being slightly more.)

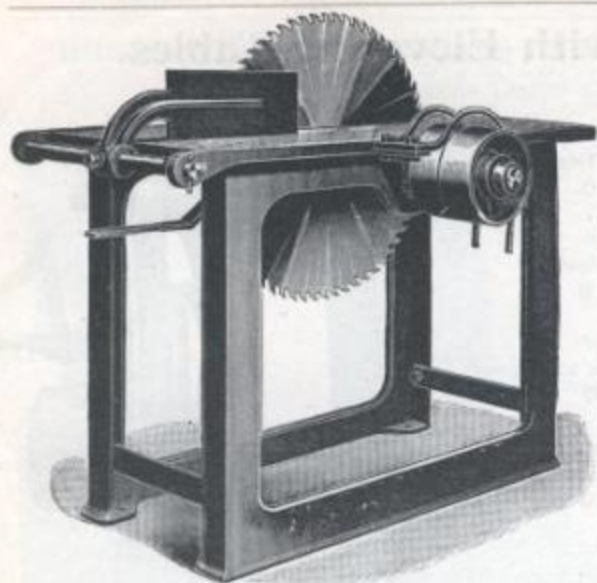
The **Saws** are accurately set and tempered, and are 8 in. diameter on the 8 in. machine and 12 in. diameter on the 12 in. machine. The machines are complete with saws and exactly to illustrations (unless otherwise ordered). The machines will take in saws 9 in. and 15 in. respectively.

### GENERAL DIMENSIONS.

	9-in. Size.	12-in. Size.
Size of Table	18 in. x 19 in.	24 in. x 33 in.
Diameter of hole in Saw	1 3/8 in.	1 3/8 in.
Greatest depth of Saw through Table	2 3/8 in.	3 3/8 in.
Greatest distance from Saw to Straight Guide	8 1/2 in.	11 in.
Diameter of Pulley on Spindle	2 1/2 in. x 1 in. wide.	4 in. x 2 in. wide.
Diameter of Fly Wheel	26 in.	27 in.
Diameter of Fast and Loose Pulleys	10 in. x 2 1/2 in. wide.	10 in. x 3 in. wide.
Revolutions per minute	150	125
Net weight (about)	340 lb.	450 lb.

Carriage Forward.

Contractors to the Home, Indian, and Colonial Governments.



## Light Pattern Saw Benches for Power.

No. 2008w.

These are well fitted and provided with a Strong Cast Iron Frame with long Brass Bearings, Sliding Fence, and accurately Planed Top.

Specially suitable for light work, cross-cutting, etc.

Any enquiries will always have our prompt attention.

Standard Sizes.	No. 1.	No. 2.	No. 3.
Size of Table	36 x 18 in.	42 x 20 in.	48 x 24 in.
Take Saw of Diameter	18 in.	22 in.	24 in.
Maximum Depth of Cut	6½ in.	8½ in.	10 in.
Diameter and Width of Pulleys	6 x 3 in.	7 x 3 in.	7 x 3 in.
Speed, Revolutions per minute	1,600	1,280	1,200
Average Horse-Power required	1	1	1½
Prices including Saw but without Fence or Loose Pulley	£4 : 10 : 0	£5 : 10 : 0	£6 : 10 : 0
Loose Pulley and Beltshifter, extra	0 : 14 : 0	0 : 16 : 0	0 : 18 : 0
Sliding Fence, extra	0 : 10 : 0	0 : 10 : 0	0 : 10 : 0

### Light Running Saw Bench.

No. 2009w.

Hand Power only.

Table 27 x 18 in., with rise and fall Screw.

Fine adjustment by Screw and Wheel.

Gun-metal Bearings.

Swing-over Fence adjustable all ways.

Mitre Fence.

Adjustable Lever Handle.

Height 3 ft.

Weight about 1½ cwt.

Price, including 10 in. Saw, £6 : 10 : 0



### Compact, Simple, Easy-Running Saw Bench.

No. 2010w.

Occupies very little space.

Table 27 x 28 in., with rise and fall Screw.

All gears machine cut.

Bearings of best Gun-metal.

Swing-over Fence, adjustable all ways.

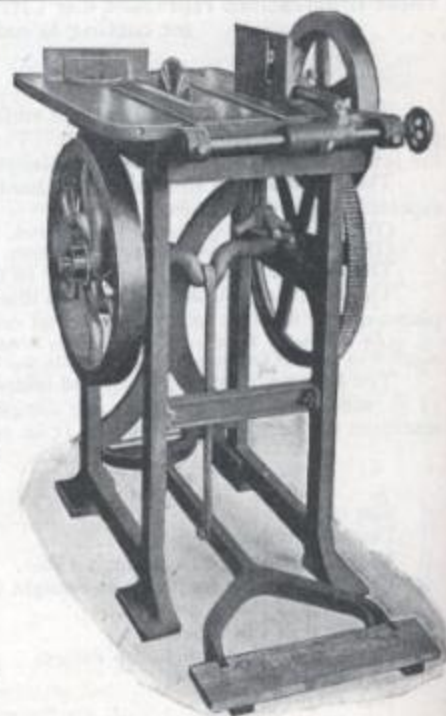
Mitre Fence.

Removable Fly Wheel.

Height 3 ft.

Weight about 2 cwt.

Price, including 8 in. Saw, £9 : 10 : 0



Carriage Forward from Works. 7½ per cent. extra f.o.b. Liverpool; 10 per cent. extra f.o.b. London.

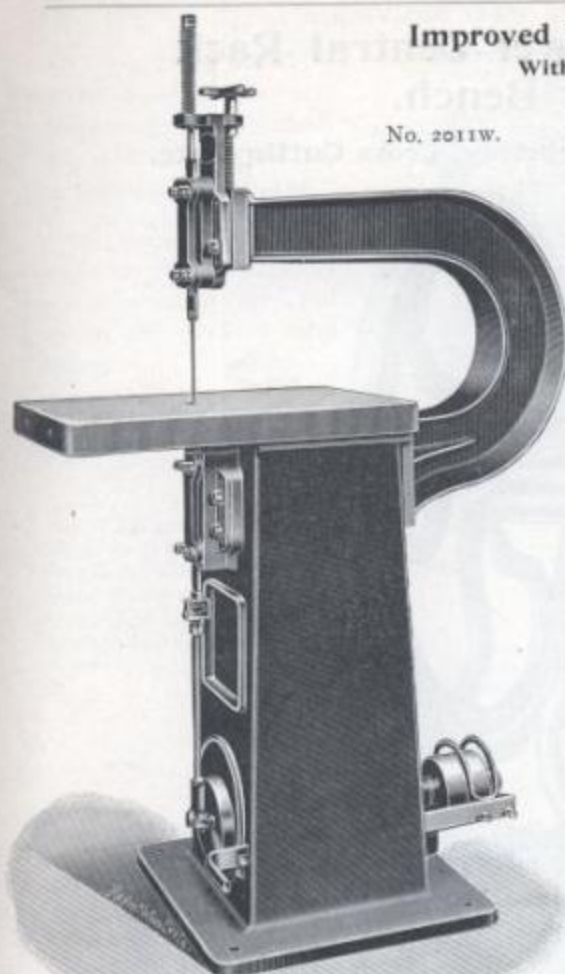
Bronze Medal, 1884.—Gold Medal, 1890.



## Improved Fret Sawing Machine.

With Self-contained Arm.

No. 2011W.



This improved and latest designed Fret Sawing Machine is suitable for all kinds of internal and external scroll and fret sawing where a band saw cannot be used.

The machine consists of a frame in one piece, of strong cored section, to which are fitted the table and arm. The slide rod, etc., work in long gun-metal bearings; the end connections to connecting rod are also of gun-metal, and suitable for a high rate of speed.

The saw is strained by means of a spiral spring, the tension of which can be conveniently adjusted by means of screw and hand nut. The machine is complete with Fast and Loose Pulleys, Belt Motion, and six Saws.

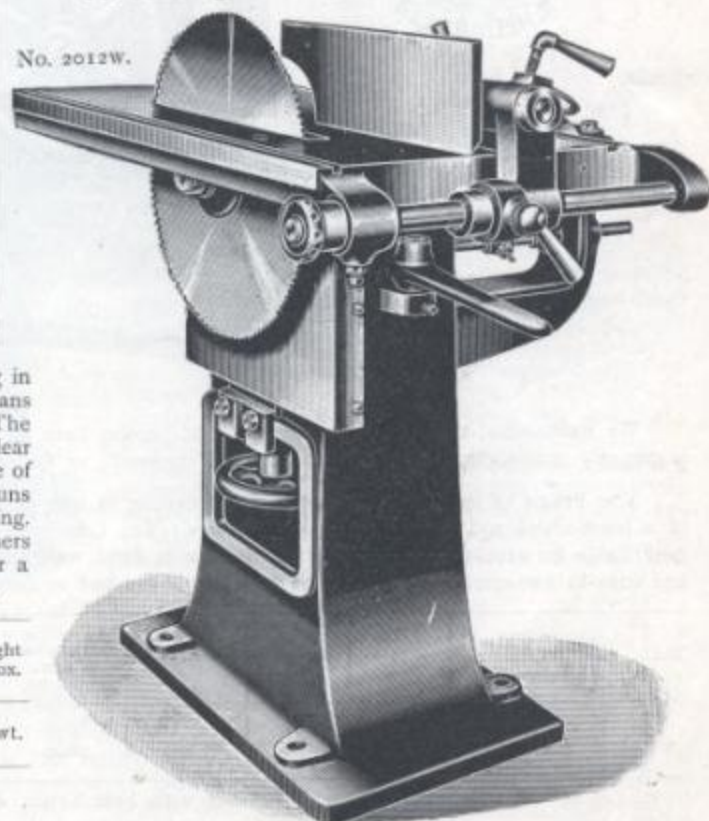
Depth will Cut.	Diam. of Pulleys.	Revolutions per minute.	Price with Fixed Table.	Price with Canting Table.
6 in.	5 in.	800	£12 : 10 : 0	£13 : 0 : 0

Free on Rail at Works.  
5 per cent. extra f.o.b. Liverpool.  
7½ per cent. extra f.o.b. London.

## Improved Circular Saw Bench, for Power only.

For Tenoning, Grooving, Boring, Rabbeting, etc.

No. 2012W.



The frame of machine is a strong cored casting in one piece, the table is made to rise and fall by means of a hand wheel and screw in planed V slides. The canting fence is adjustable in every way and swings clear over table for cross cutting. The saw spindle is made of steel with adjustable lock-nuts for taking up wear, runs in gun-metal bearings, and has an outside arm bearing. Fast and Loose Pulleys, Lever Belt Guide, and Spanners are included. It is a high-class bench, suitable for a variety of work, convenient, and occupies little space.

Dimensions of Table.	Takes in Saws.	Depth will cut.	Diam. of Pulleys.	Revs. per min.	Weight approx.
3ft. x 1ft. 6in.	18 in.	6 in.	6 in.	1800	6 cwt.

Price ... .. £13 : 10 : 0

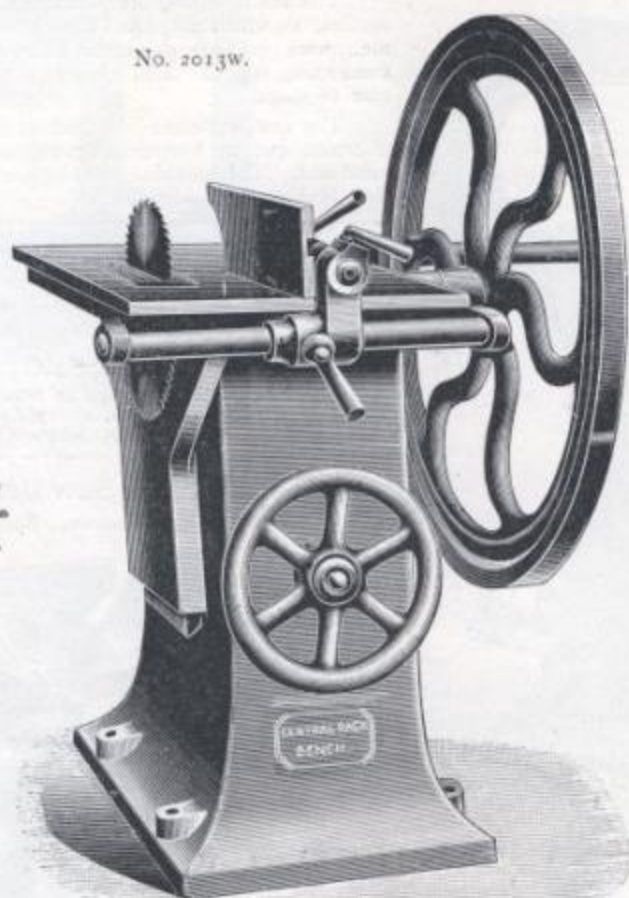
Free on Rail at Works. 7½ per cent. extra f.o.b. Liverpool; 10 per cent. extra f.o.b. London.

Tool, Machine, and Hardware Merchants and Manufacturers.

## The Hand and Steam Power Central Rack Rising Top Saw Bench.

For Tenoning, Grooving, Jointing, Rabbeting, Cross Cutting, etc.

No. 2013W.



OUR WATCHWORD  
QUALITY  
R. MELHUISH, LTD.

We recommend this Bench to users who at present have no power, but who require an efficient machine which is properly constructed to run by power when required; or for shops where steam power is not always available.

The Frame of machine is a strong cored casting in one piece. The Table is made to rise and fall by means of a hand-wheel and screw in planed V sides. The Canting Fence is adjustable in every way, and swings clear over Table for cross-cutting. The Steel Spindle is fitted with adjustable lock-nuts to take up all end wear in necks and runs in gun-metal bearings. The machine is finished in best style, and is a substantial, useful, and cheap tool.

No.	Dimensions of Table.	Takes in Saw.	Depth it will Cut.	Pulleys.	Revolution of Saw.	Weight Approximate.	Price with Steam Pulleys only.	Price with Pulleys and Fly-wheel.	Price with Fly-wheel only, as illustrated.
1	ft. in. ft. in. 2 6 x 1 6	in. 15	in. 5	in. in. 5 x 2	1800	Cwt. 6	£ 12 : 0 : 0	£ 13 : 0 : 0	£ 12 : 0 : 0

Made with Fast Table, £11 : 0 : 0.

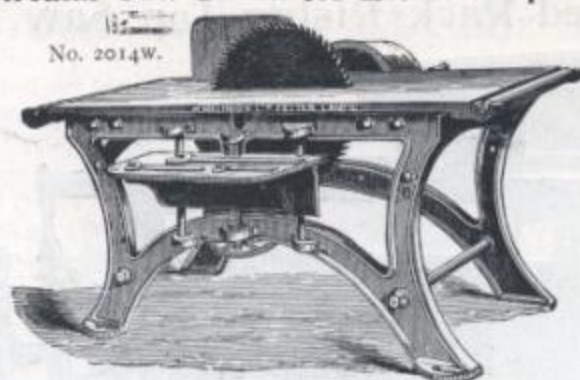
Free on Rail at Works. 7½ per cent. extra f.o.b. Liverpool; 10 per cent. extra f.o.b. London.

Orders of 20/- and upwards Carriage Paid (with few exceptions).



### Circular Saw Bench for Estate Purposes.

No. 2014W.



This Bench of improved design is strongly built, steady and rigid in work, and has an accurately planed table.

The Fence is quickly adjusted to cut board, either parallel or feather edged, and can be turned off for cross cutting.

This Bench can be fitted with Boring Table and Bits, etc., at 60/- and 70/- respectively.

It can be made either right or left hand. Right hand supplied unless ordered otherwise. Drawing shows left-hand bench.

#### PRICES AND SIZES.

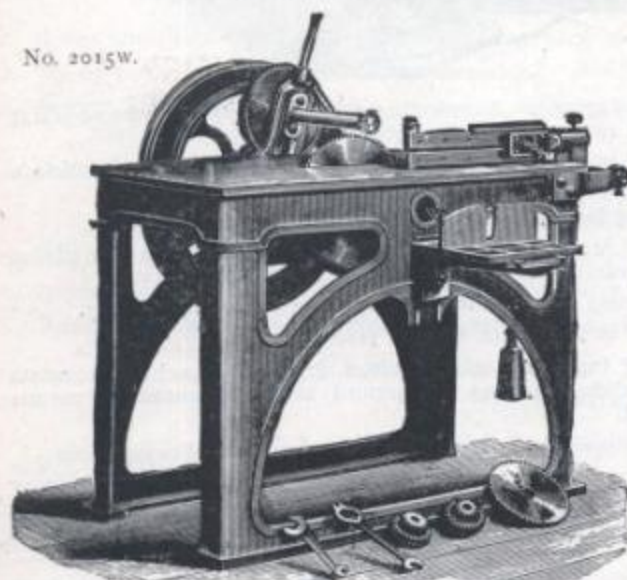
Standard Sizes.	No. 1. Fitted with 24 in. Saw.	No. 2. Fitted with 30 in. Saw.
Size of Table ... ..	48 x 24 in.	60 x 28 in.
Diameter of Saw ... ..	30 in.	36 in.
Prices, including Saw and Rollers each end of Table ... ..	£16 : 10 : 0	£21 : 10 : 0
Loose Pulley and Belt Shifter, extra ... ..	1 : 10 : 0	1 : 15 : 0
Speed Revolutions per Minute ... ..	1,200	940
Average Horse Power required ... ..	1½	3

### New Improved Hand Power Circular Saw Bench.

Will cut 4½ in. deep.

No. 1.

No. 2015W.



With Fly-Wheel and Self-Acting Feed Motion, Table 48 x 24 in., heavy and planed true, Rising and Falling Spindle, Self-Acting Motion, Parallel Canting Fence which turns over end of Bench for cross-cutting, Sliding Roller and Weight, one each 9 and 14 in. Circular Saws, three Change Wheels for speed motion, six Rollers and Carriers for extending Bench, and Spanner.

No. 2.

Frame and Table as No. 1, but specially designed to overcome its limitations to cross-cutting, the fly-wheel being moved from the saw spindle to a back shaft fitted on one end, driving being effected by means of chain. The table has long groove cut for sliding cross-cutting and mitreing fence, which can be supplied with the machine. Saw spindle is a fixed one. Complete with parallel canting and turn-over fence, two Saws, and necessary Spanner.

Both machines can be fitted with BORING APPARATUS, consisting of adjustable bracket, sliding fence and one patent auger. Also with special TENONING APPARATUS to take in wood up to 3 x 9 in. consisting of slide and holder for holding timber in vertical position, and one extra 14 in. diameter saw.

#### PRICES: No. 1.

If complete with Feed Motion, Two Saws, Rollers, and Carriers ... ..	£12 : 10 : 0
If without Feed Motion, Rollers, etc. (plain bench) ... ..	10 : 10 : 0
If prepared to work either by Steam or Hand ... ..	extra 0 : 10 : 0
If fitted with Patent Drag Motion in addition to above feed ... ..	1 : 10 : 0

#### No. 2.

As specified, complete with Two Saws and Spanner (no feed motion) ... ..	£12 : 10 : 0
If as above, with Boring Apparatus, Sliding Table, and one Patent Auger for either Machine ... ..	extra 12 : 0 : 0
If fitted with Sliding Fence for Cross-cutting or Mitreing for either Machine ... ..	0 : 10 : 0
If fitted with Tenoning Apparatus and one extra 14 in. diameter Saw for either Machine ... ..	3 : 10 : 0

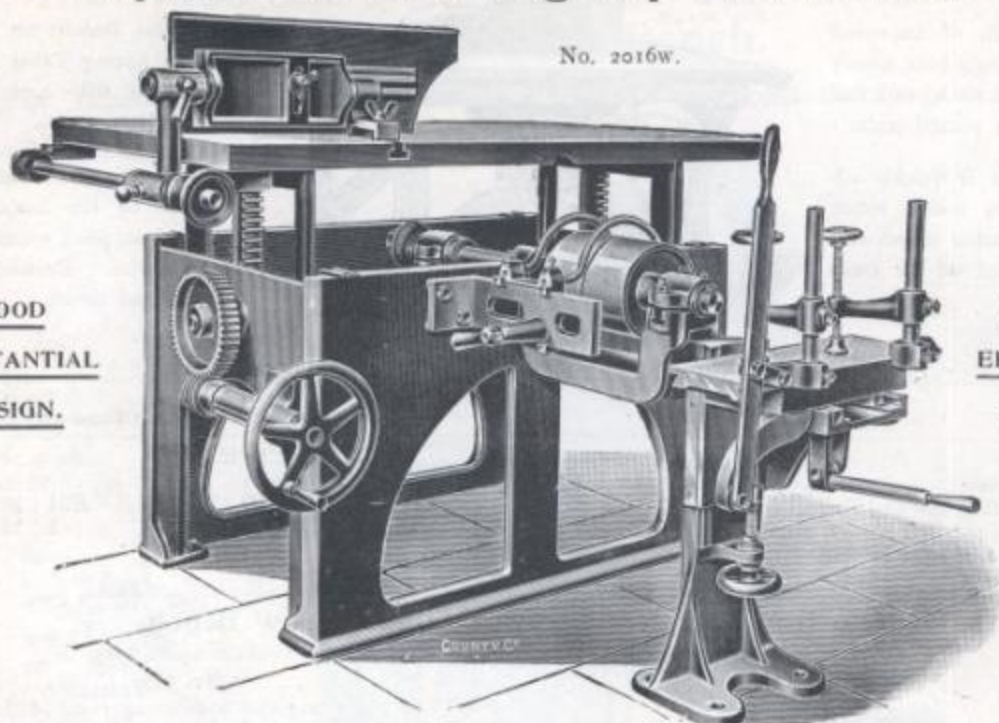
**A large and varied Stock of Engineers' Tools and Motor Accessories.**

## Improved Rack Rising Top Saw Bench.

No. 2016W.

GOOD  
SUBSTANTIAL  
DESIGN.

CHEAP,  
EFFECTIVE,  
SIMPLE.



These Machines, recently strengthened and improved, meet all the ordinary requirements of the trade, and, although cheap, have that standard of excellence ascribed to our other manufactures.

The Table is planed and grooved in inches parallel to the fence, and can be raised or lowered while the saw is running.

The Spindle is of Steel, bored out at end to suit boring bits, and runs in three long gun-metal bearings.

The Fence is adjustable every way, and swings clear over end for cross-cutting; is fitted with fine thread Screw Adjustment, operated by hand-wheel, and, when returned from angle-cutting, is absolutely square.

The Belt Shifter is of the self-locking type, preventing accidents from belt moving on to either pulley.

All Adjustments are simple, and have been placed in convenient working positions.

BORING AND MORTISING ATTACHMENT (as illustration) bolted firmly to machine, consists of cast iron stand with vertical and horizontal slides, having compound table, operated by means of levers and screws, suitable stops being provided.

Heavier Pattern, with 4 Corner Racks, can be supplied at an increase of 10 per cent. on following prices:—

No.	Dimensions of Table.	Takes in Saw.	Depth it will cut.	Pulleys.	N.H.P. Required.	Revolutions of Saw.	Approximate Weights. R.T.	Approximate Weights. F.T.	PRICE. Rising Top.	PRICE. Fixed Top.	PRICE. Boring only.	PRICE. Boring and Mortising.
1	39 in. x 21 in.	21 in.	7 1/2 in.	5 in. x 3 in.	1 1/2	1400	6 cwt.	5 cwt.	£9:15:0	£8:5:0	£3:15:0	£5:12:0
2	44 in. x 24 in.	24 in.	9 1/2 in.	6 in. x 3 1/2 in.	2	1300	7 1/2 in.	6 in.	12:0:0	9:0:0	4:0:0	5:15:0
3	48 in. x 26 in.	27 in.	11 in.	6 in. x 3 1/2 in.	2 1/2	1200	8 in.	7 in.	12:15:0	9:15:0	4:5:0	6:0:0
4	54 in. x 28 in.	30 in.	12 1/2 in.	7 in. x 4 in.	3	1000	10 in.	9 in.	15:15:0	12:15:0	4:10:0	6:5:0
5	58 in. x 30 in.	33 in.	13 1/2 in.	7 in. x 4 in.	3 1/2	950	11 in.	10 1/2 in.	18:0:0	15:0:0	5:5:0	6:10:0
6	60 in. x 32 in.	36 in.	14 in.	8 in. x 4 1/2 in.	4	900	12 in.	11 in.	22:10:0	18:15:0	5:10:0	6:15:0
7	72 in. x 36 in.	42 in.	16 1/2 in.	9 in. x 6 in.	5	800	15 in.	13 in.	27:0:0	22:10:0	5:15:0	7:5:0
8	78 in. x 38 in.	48 in.	19 in.	10 in. x 6 in.	6	700	18 in.	16 1/2 in.	36:0:0	27:10:0	6:15:0	8:15:0

Rope and Roller Feed Saw Benches at similarly low prices.

SAWS EXTRA.

Free on Rail at Works.

Contractors to the Home, Indian, and Colonial Governments.



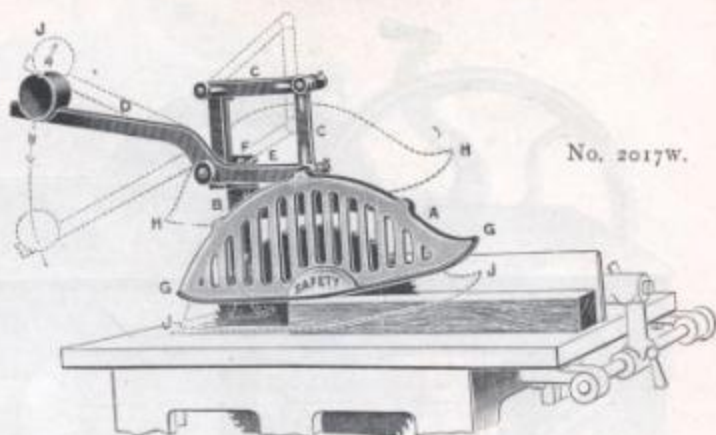
## Patent Self-Compensating Circular Saw Guard.

It is adaptable to every make of saw bench, being easily fitted to table by an ordinary workman.

It consists of a shield (A) completely covering the saw, attached to a stand (B) (bolted to the back corner of table) by means of arms (C), compensating lever (D), and adjustable horizontal bracket (E).

Any thickness of wood can be worked. The contact of the timber at *j* serves to raise Shield sufficiently to allow it to pass. On completion of cut the Shield falls back automatically to table.

The tightening of wing nut (F) retains the Shield at any given height, such as ripping large quantity of timber of a given thickness, or holding the Guard clear when sharpening or changing saws. Lines GG and HH respectively show this on the illustration. III shows Guard resting on table, automatically covering Saw when cut is completed.



IMPORTANT REASONS WHY YOU SHOULD FIT THIS GUARD TO  
YOUR SAW BENCHES:

1. Gives complete protection, decreasing sawyers' risks, that part of Saw not required being covered.
2. When cut is made, the Shield automatically covers whole of Saw.
3. Construction being substantial, there is no possibility of Saw coming into contact with Shield, the vertical movement being parallel.
4. Self-adjusting to thickness of timber being worked, without attention from the workman, whether ripping, cross-cutting, or wedge cutting. Permits sawing to the fullest capacity of saw, and does not interfere with fence plate adjustment.
5. Has the fullest approbation of Factory Inspectors.
6. Guarantees immunity from accidents, preventing ruination to uninsured.
7. Substantial rebates of Insurance premiums may be secured.

PRICES:

PRICES:										£	s.	d.
No.	1.	Suitable for 12 in. to 18 in. Saws.	...	...	...	...	...	...	...	1	15	0
2.	18	24	...	...	...	...	...	...	...	2	0	0
3.	24	30	...	...	...	...	...	...	...	2	12	0
4.	30	36	...	...	...	...	...	...	...	3	5	0
5.	36	42	...	...	...	...	...	...	...	4	0	0

### Adjustable Steel Riving Knives.

To fix to underside of Table behind Saw.

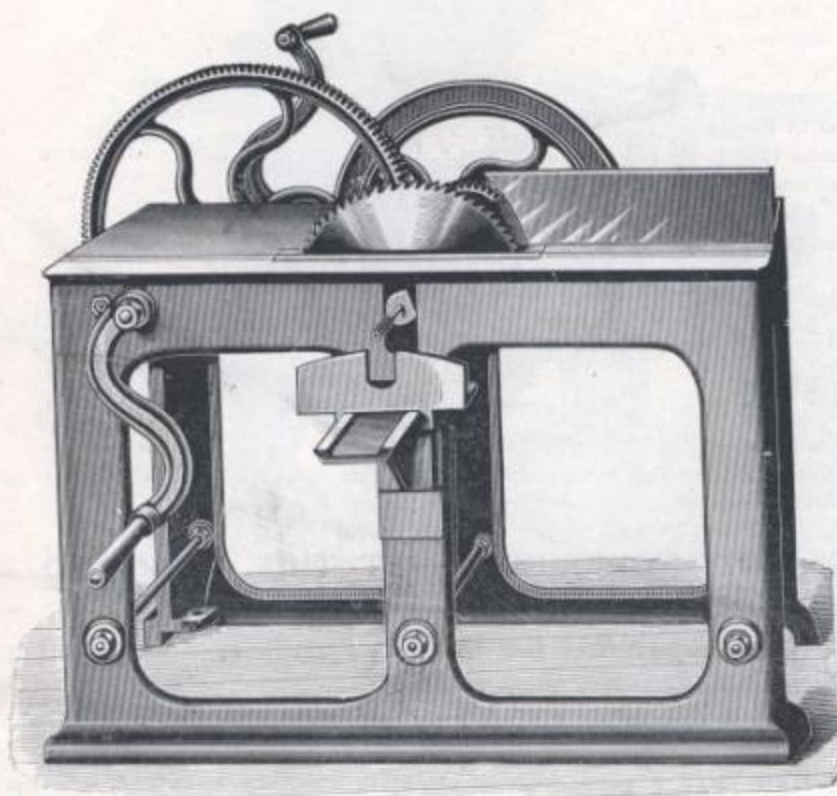
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*Carriage Forward.*

Bronze Medal, 1884.—Gold Medal, 1890.

### Improved Hand Power Saw Bench.

No. 2018W.



This Improved Hand-Power Saw Bench is especially useful where steam power is not available.

It has variable speeds for light or heavy work, and can be worked by one or two handles according to the thickness of sawing required.

The Table is 4 ft. x 2 ft., and has Rising and Falling Spindle for rebating, grooving, and tenoning. It is fitted with Self-acting Drag Motion for feeding the timber, Steel Spindle and Gun-metal Bearings, Adjustable Canting Fence, and Boring Apparatus as per illustration.

This machine is well suited for foreign shipment, and can be packed in one case.

FOR HAND POWER.

With one 15-in. and one 9-in. Circular Saw and one Rising and Falling Spindle ...	£	s.	d.
	13	0	0
Drag Motion ... .. extra	2	2	0
If with Boring Apparatus and one Auger ... .. extra	2	2	0
If made for hand and steam power by adding Fast and Loose Pulleys ...	1	1	0
Augers—Size ... ..	$\frac{1}{4}$	$\frac{5}{16}$	
Price ... ..	2/-	2/-	2
Circular Saws—Size ... ..			
Price ... ..			

FOR STEAM POWER ONLY.

Made with Fast and Loose Pulleys fitted on end of Saw Spindle (no Drag Motion).									
With one 18-in. Circular Saw and Stationary Spindle ... ..		13 : 0 : 0		15 : 0 : 0		2 : 2 : 0			
One 18-in. Circular Saw and Rising and Falling Spindle...									
Boring Apparatus and one Auger...									
$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$ in.	
2/3	2/3	2/6	2/6	2/9	3/-	3/6	4/6	6/- each.	
9 in. diameter.			15 in. diameter.			18 in. diameter.			
7/- each.			11/- each.			13/6 each.			

*Carriage Forward from Works.*

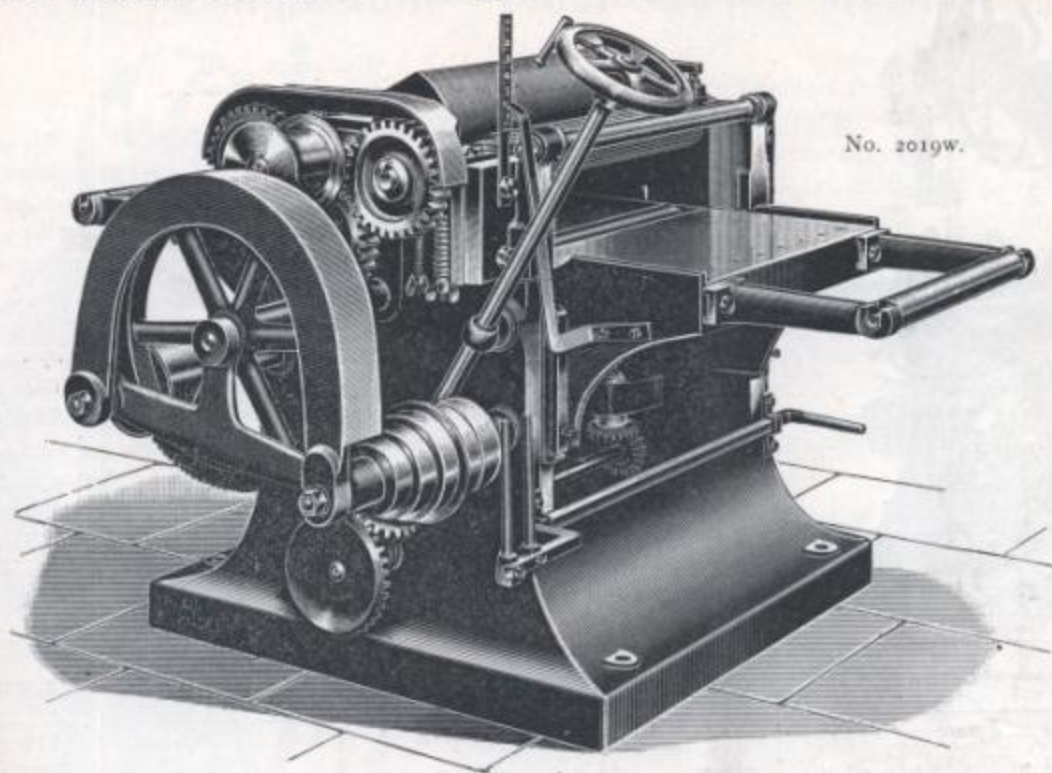
*If packed and delivered f.o.b. London, 7½ per cent, extra on List Prices.*

“ “ “ *Liverpool, Birkenhead, or Hull, 5 per cent. extra.*

**Tool, Machine, and Hardware Merchants and Manufacturers.**



## Roller-Feed Panel Planing and Thicknessing Machine.



No. 2019W.

Adapted for planing boards, panels, etc., etc., in hard and soft woods from  $\frac{1}{8}$  to  $17\frac{1}{2}$  in. thick. The Frame is a heavy box-section casting in one piece, absorbing all vibration while working, and requiring no special foundation.

The Spindle and Cutter-Block are machined from one forging of special steel and carefully balanced; they run in special bearings of phosphor-bronze, extra long, dust-proof and self-oiling by means of oil well and rings which automatically cover the shaft with oil when running. This improvement enables the machine to be run at a high speed with but little attention.

The Bottom Table has rising and falling motion by turning the Handwheel in front, and a Gauge is provided to enable the operator to set the machine to plane the required thickness.

The Steel Feed-Rollers are of large diameter and can be instantly stopped without stopping the Cutter-Block. The Feed Gearing is on one side of the machine, out of the operator's way and securely guarded; it has three rates of speed to suit woods of varying hardness.

The price includes a suitable Countershaft, with Fast and Loose Pulleys, Belt Motion, and one pair of full-sized Plane Irons and Set of Spanners.

No.	Maximum size planed.	Size of Pulleys on Countershaft.	Speed of Countershaft.	Price.
1	16 in. $\times$ $7\frac{1}{2}$ in.	8 in. $\times$ 4 in.	800	£35 : 0 : 0
2	20 " $\times$ $7\frac{1}{2}$ "	8 " $\times$ $4\frac{1}{2}$ "	800	£41 : 0 : 0
3	24 " $\times$ $7\frac{1}{2}$ "	8 " $\times$ $4\frac{1}{2}$ "	800	£43 : 10 : 0

Free on  
Rail at  
Works.

$7\frac{1}{2}$  per cent. extra f.o.b. Liverpool; 10 per cent. extra f.o.b. London.

Orders of 20/- and upwards Carriage Paid (with few exceptions).

**Patent Band Sawing Machine.**

No. 2020W.



This Machine being of very recent design, includes all possible up-to-date improvements. The frame is cast in one piece and well proportioned, thereby securing strength and rigidity. It is fitted in a first-class manner, and no spanners are required for adjustments. The Sliding Box carrying the top pulley can be readily adjusted whilst the machine is in motion, so that the Saw can be made to run accurately on any part of the face of the pulleys. There is a Spring Tension to compensate for expansion and contraction of saw. The Pulleys, which are covered with Indiarubber Bands, are light, strong, truly turned and balanced, thus enabling the machine to be run at a high speed. The shaft runs in long gun-metal bearings. The machine is fitted with **Patent Saw Guides**, both above and below the table, and are adjustable to take in wide or narrow Saw Blades. The table will cant or swivel to any angle for the purpose of bevel and straight cutting. A brush is fitted to keep the bottom Saw Pulley clear from sawdust. For the protection of the workman, the Saw is fitted with Iron Guard in front and Wood Guard on the side. Is complete with one  $\frac{3}{8}$  in. French Band Saw and Spanner.

No.	Dimensions of Table.	Size of Band Saw Pulleys.	Depth of Cut.	Diameter of Driving Pulleys.	Speed of Driving Pulleys.	Power required.	Weight.	PRICE.
1	28 in. square	24 in.	12 in.	10 in.	450 revs.	$\frac{1}{2}$ horse	10 cwt.	£18 : 10 : 0
2	32 " "	30 " "	14 " "	12 " "	400 " "	$\frac{3}{4}$ " "	14 " "	22 : 0 : 0
3	36 " "	36 " "	18 " "	14 " "	350 " "	1 " "	18 " "	34 : 0 : 0

Patent Fret Saw attachment, £6 : 10 : 0 extra.

*Free on Rail at Works.***The "HANDY" Band Saw Machine.**

No. 2021W.

Stand is in one casting, extra strong, giving rigidity when working.

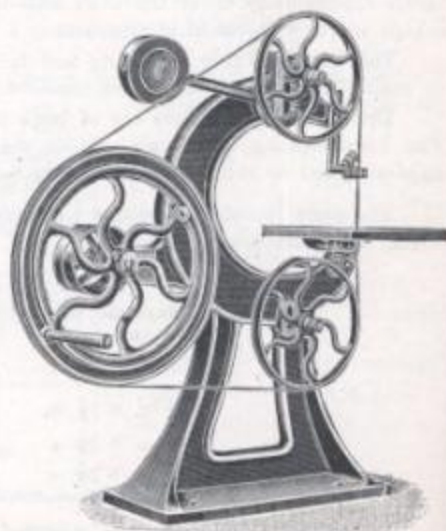
Fly-wheel and pulleys when required are keyed on to shaft running between two cast-iron necks.

Fitted with Patent Saw Guides and  $\frac{3}{8}$  in. Band Saw.

Hand Power	...	...	Price	£11 : 0 : 0
For Power	...	...	"	11 : 10 : 0
If extra Fly-wheel required	...	Extra	1 : 10 : 0	
Patent Fret Saw Attachment	...	"	5 : 0 : 0	

Cuts 6 in. deep and admits work 12 in. deep.

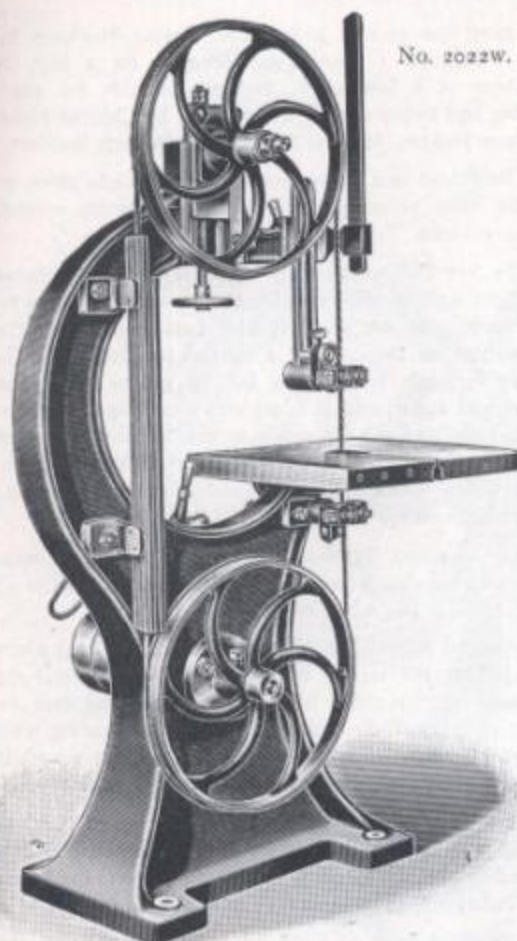
Speed, 180 revolutions per minute.

*Free on Rail at Works.*

**A large and varied Stock of Engineers' Tools and Motor Accessories.**



## The "Compactum" Band Sawing Machine.



No. 2022W. These 20 and 24 in. Machines are handy, occupy but little space and require small amount of power to drive. They are suitable for straight or sweep cutting, and the general work of joiners, cabinet-makers, etc., and are intended for those shops where a larger machine is not convenient or necessary.

The Frame is a strong casting in one piece, and the Pulleys are truly turned and balanced, and covered with best india-rubber tyres vulcanized to the faces by a special process. The Top Pulley is made to rise and fall by a Hand-wheel and Screw, and is provided with a canting arrangement by which the saw may run on any part of the face.

The improved Tension Motion is very sensitive and compensates for the contraction and expansion of the Saw while working.

Improved Adjustable Saw Guides are fitted both **above** and **below** the Table; the Top Guide is of a special antifrictional pattern; the Saw bears against the face (not the edge) of a Steel Disc, running on a ball bearing which provides a broad support for the Saw without generating heat; it is adjustable both horizontally and vertically.

The Table is truly planed and fitted with a canting motion so that work can be sawn at any required angle.

Prices, complete with Fast and Loose Pulleys, convenient Belt Motion, one  $\frac{3}{4}$  in. best French Band Saw, Screw Keys, and Tin of Lubricant.

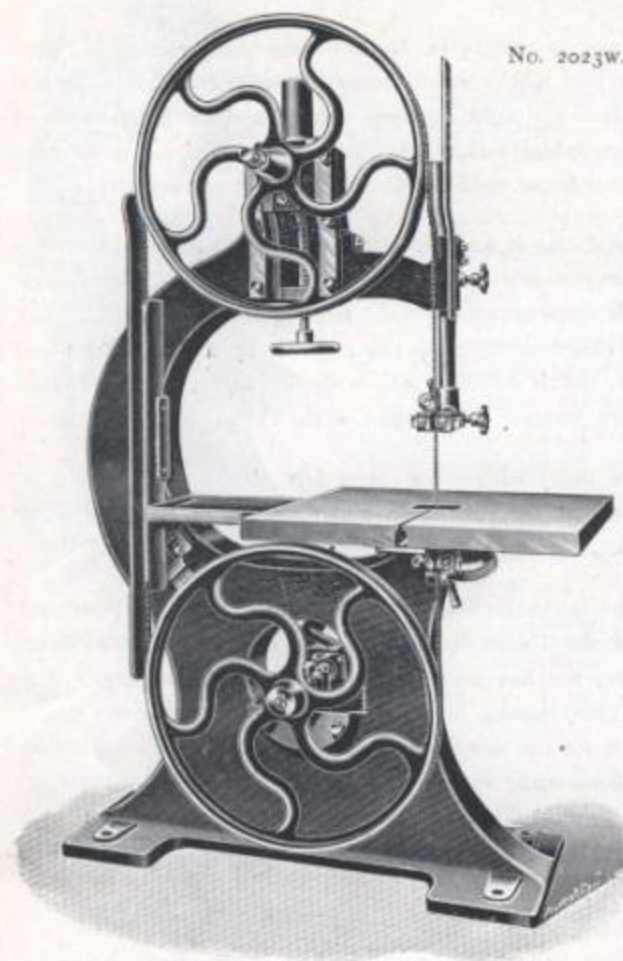
No. of Machine.	Diameter of Saw Pulleys.	Depth Saw will Cut.	Diameter of Driving Pulleys.	Pulley Revolutions per minute.	Size of Table.	Approximate Weight.	Price.
1	20 in.	10 in.	8 x 2 $\frac{3}{4}$ in.	500	20 in. square	7 cwt.	£14 : 10 : 0
2	24 "	12 "	10 x 3 $\frac{3}{4}$ "	450	28 " "	10 "	17 : 10 : 0

										£	s.	d.
If fitted with Adjustable Straight Fence	...	...	...	...	...	extra	0	10	0			
" " " Canting	"	"	"	"	"	"	2	0	0			
Arranged for Boring and fitted with $\frac{3}{8}$ , $\frac{1}{2}$ , $\frac{5}{8}$ , $\frac{3}{4}$ and 1 in. Augers	...	...	...	...	...	"	1	0	0			

Free on Rail at Works. 7  $\frac{1}{2}$  per cent. delivered f.o.b. Liverpool; 10 per cent. extra f.o.b. London.

Contractors to the Home, Indian, and Colonial Governments.

## New Improved Band Sawing Machine.



No. 2023W.

These new 30 and 36 in. Band Sawing Machines have been designed to meet the demand for a high-class machine at a low price, and are suitable for general sawing and sweep cutting as required by Cabinet Makers, Pattern Makers, Joiners, Builders, and Coach Builders.

The Frame is a strong cored casting in one piece, with ample base, securing strength and preventing vibration when working.

The Saw Pulleys are truly bored, turned and balanced, are light and strong, reducing the breakage of saws to a minimum, and are covered with best indiarubber tyres vulcanized to the rim by a special process. The Top Pulley is made to rise and fall by means of a Hand-wheel and screw, and is fitted with a canting arrangement so that the saw can be made to run on any part of the face of the pulley. The Bottom Pulley is fitted to a steel shaft which works in long adjustable bearings, secured to the main frame.

The improved Tension Motion is obtained by means of a spiral spring which compensates for expansion and contraction of saw when working.

Improved Adjustable Saw Guides are fitted both **above** and **below** the table; the top guide is a special anti-frictional pattern; the Saw bears against the face (not edge) of a steel disc running on a ball bearing which provides a broad support for the Saw without generating heat; it is adjustable both horizontally and vertically.

The Table is fitted with canting motion, so that work can be cut to any required bevel. An Extension Table is fixed behind the Canting Table; this covers the bottom Saw Pulley and prevents pieces dropping on to it.

A Brush is fixed to keep the bottom Saw Pulley clear of resin, dirt, etc.

Prices, including Fast and Loose Pulleys, Belt Motion, one  $\frac{3}{8}$  in. Best French Band Saw, Spanner, and one tin of Lubricant.

Diameter of Saw Pulleys.	Depth of Cut.	Diameter of Driving Pulley.	Size of Table.	Approximate Weight.	Revolutions per minute.	Price.
30 in.	14 in.	12 in.	30 in. square.	11 $\frac{1}{4}$ cwt.	400	£20 : 0 : 0
36 "	18 "	14 "	36 " "	19 $\frac{1}{2}$ "	350	30 : 0 : 0

					£	s.	d.
If fitted with Adjustable Straight Fence	...	...	...	...	extra	0	15 : 0
" " " Canting	"	"	"	"	"	2	0 : 0

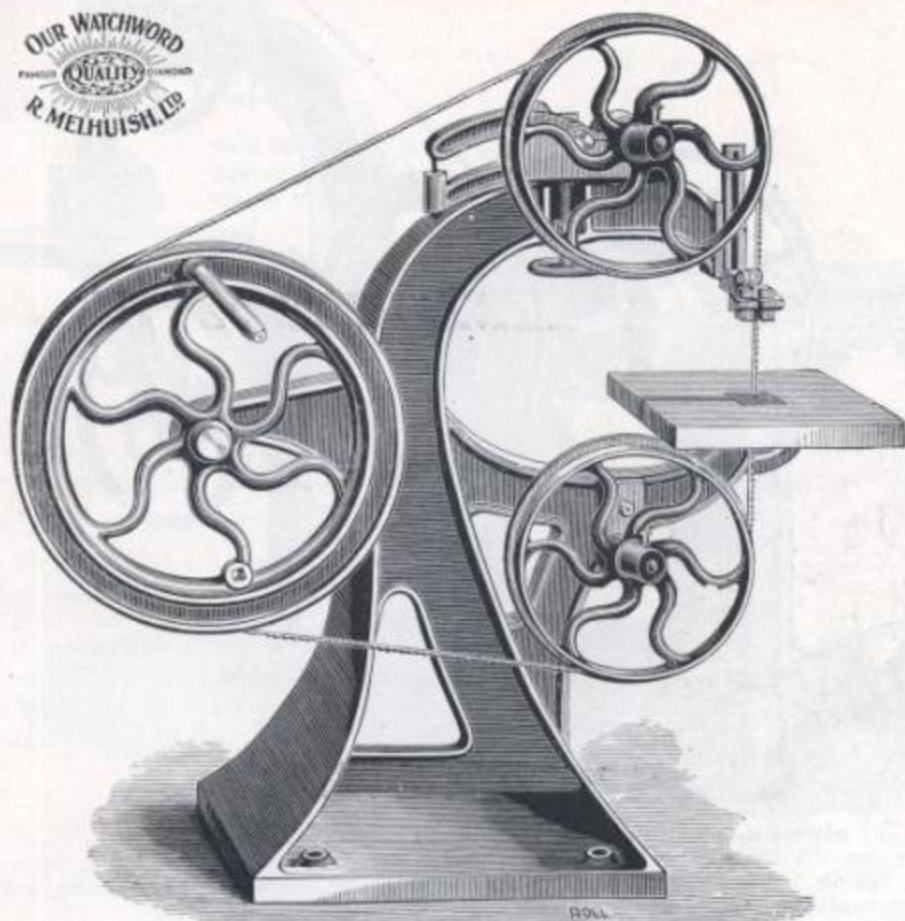
Free on Rail at Works. 7  $\frac{1}{2}$  per cent. extra f.o.b. Liverpool; 10 per cent. extra f.o.b. London.

**Bronze Medal, 1884.—Gold Medal, 1890.**



## "Improved" Hand Power Band Sawing Machine.

No. 2024W.



Weight, 5 cwt. 3 qrs. 0 lb. With Pulleys, 1 qr. extra.

This is a strongly built machine, having its frame cast in one piece, and is thoroughly well fitted in all its working parts. It is specially suitable for Joiners, Cabinet Makers, Coach Builders, etc., etc.

The canting table is 18 in. square and admits 42 in. diameter and 11 in. deep, thus allowing 11 in. lock-rails for doors to be tenoned. The pulleys are covered with indiarubber, so as to preserve the set of the saw. The machine has hardened steel runner guides both above and below table; has also fence for tenoning (not shown on drawing).

It is fitted with an improved tension arrangement, which entirely prevents breakage of saws.

	£	s.	d.
Complete with one $\frac{3}{8}$ in. Saw, sharpened and set ready for use, and one Screw Key ... ..	10	10	0
With Pulleys to work either by hand or steam power ... ..	11	2	6
Fitted with an extra Fly-wheel ... .. extra	1	0	0
Spindle bored and fitted with 6 Augers, $\frac{3}{8}$ to 1 in. ... ..	1	0	0

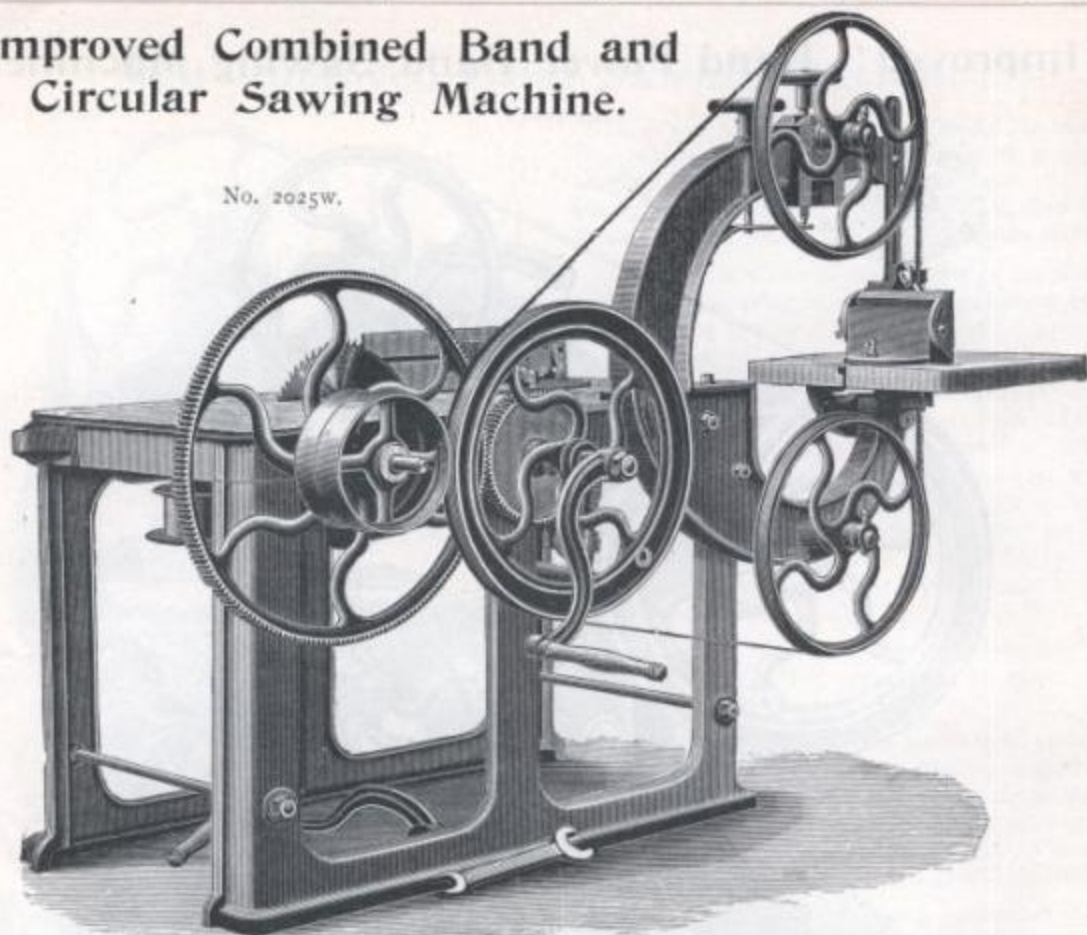
Revolutions 150 per minute.

Free on Rail at Works.  $7\frac{1}{2}$  per cent. extra f.o.b. Liverpool; 10 per cent. f.o.b. London.

Tool, Machine, and Hardware Merchants and Manufacturers.

## Improved Combined Band and Circular Sawing Machine.

No. 2025W.



This is specially adapted as a labour-saving machine where steam power is not available.

The Circular Saw will cut 5 in. deep, and the Band Saw 6 in. deep. The Table is 4 ft. by 2 ft., and has a rising and falling Spindle (working in gun-metal bearings) for Rebating, Grooving, and Tenoning, and is fitted with a Self-acting Drag motion for feeding the timber, and a Parallel Canting Fence.

This Machine has variable speeds for hand-power—viz. one speed for light work, being quick, and the other for heavy work, being slow.

The Band Saw Table is fitted so that it will cant or swivel to any angle for the purpose of bevel or straight cutting of timber; it is also fitted with Angular Fence.

The Band Saw apparatus is fitted with patent Compensation Spring, which allows a free expansion and contraction of the Band Saw while at work. It is remarkably simple and effective, and prevents the breakage of Saws; it is also fitted with Brass Saw Guide and Steel Bowl, and is adjustable for wide or narrow Band Saws.

### FOR HAND POWER.

With one 15 in. Circular Saw	...	...
" one 9 " " "	...	...
" one 4 " French Band Saw	...	£22 : 0 : 0
Fitted with rising and falling Spindle	...	
" " Drag Motion	... extra	2 : 2 : 0
If with Boring Apparatus, including one Patent Auger	... extra	2 : 2 : 0
If made for Hand and Steam Power, lengthening spindle and adding driving pulleys	... extra	1 : 1 : 0

### FOR STEAM POWER.

Fitted with light balanced Fly-wheel on Band Saw Apparatus, and Band Saw made to cut 8 in. deep.	
With one 15 in. Circular Saw	...
" one 9 " " "	...
" one 4 " French Band Saw	... £23 : 0 : 0
Fitted with rising and falling Spindle	...
" " Drag Motion	... extra 2 : 2 : 0
If with Boring Apparatus, including one Patent Auger	... extra 2 : 2 : 0

### Carriage Forward

If packed and delivered f.o.b. London, 7½ per cent extra on list.

" " " " Liverpool, Birkenhead, or Hull, 5 per cent. extra on list price.

Orders of 20/- and upwards Carriage Paid (with few exceptions).



## New Improved Centre Slide-Rack Mortising Machine.

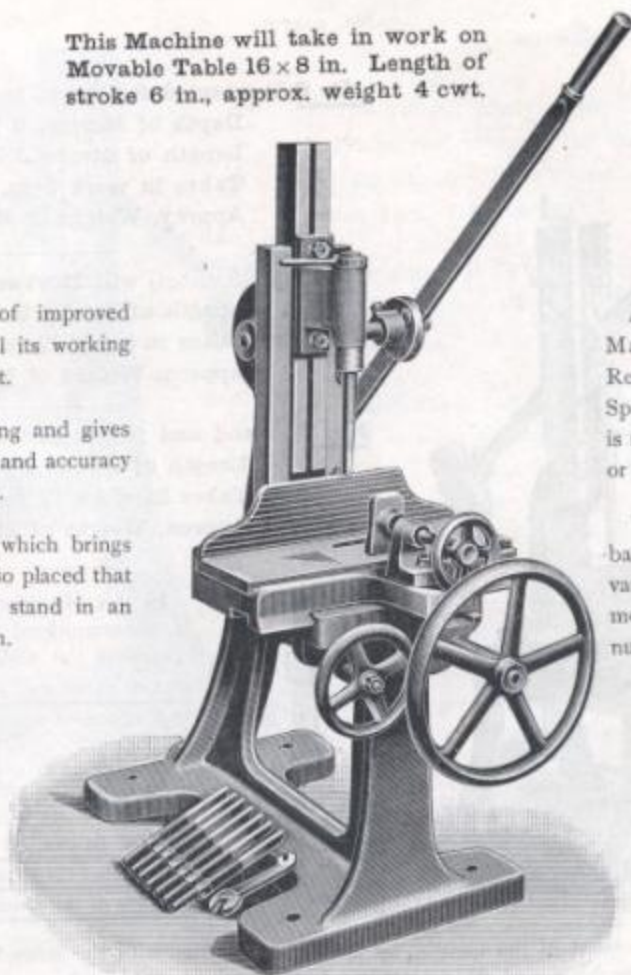
No. 2026W.

This Machine will take in work on Movable Table 16 x 8 in. Length of stroke 6 in., approx. weight 4 cwt.

A low-priced machine of improved construction, accurate in all its working parts and thoroughly efficient.

The Frame is in one casting and gives to the machine the strength and accuracy necessary for good mortising.

The Wrought Iron Lever which brings the Chisel into operation is so placed that the workman using it may stand in an easy and convenient position.



Carriage Forward.

A noticeable feature of this Machine is the improved Reversing Motion for the Chisel Spindle. It is made of steel and is not liable to get out of order or break.

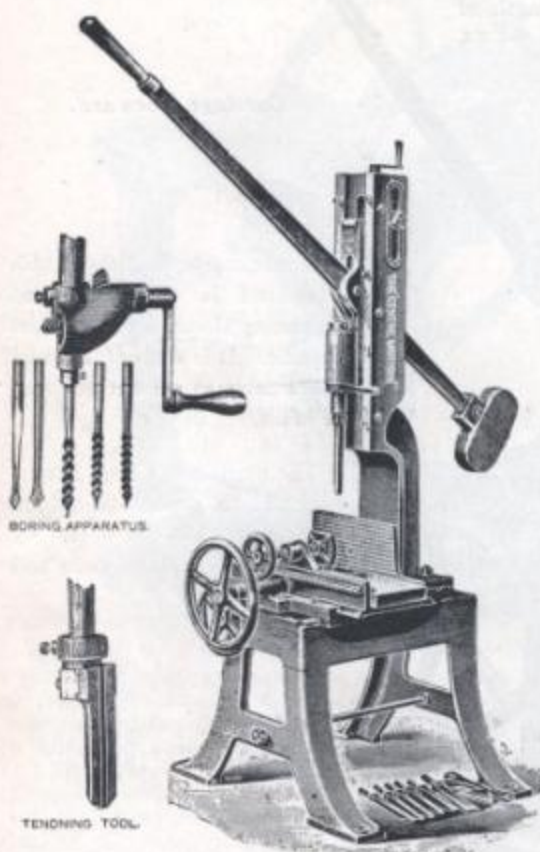
The position of Chisel Box on back slide is easily adjusted for varying depths of work, by means of a couple of bolts and nuts.

Price of Machine including $\frac{1}{4}$ , $\frac{5}{16}$ , $\frac{3}{8}$ , $\frac{7}{16}$ , $\frac{1}{2}$ , $\frac{9}{16}$ , $\frac{5}{8}$ , and $\frac{3}{4}$ in. Best Cast Steel Plain Chisels, 1 Core Driver, 1 Spanner, and 1 Set Square	£	s.	d.
...	8	0	0
Extra for Boring Apparatus, complete with $\frac{1}{2}$ , $\frac{5}{8}$ , $\frac{3}{4}$ in. Round Nosed Augers, and $\frac{1}{4}$ and $\frac{3}{8}$ in. Cast Steel Drills	1	5	0
" " Tenoning Tool, which will cut tenons from $\frac{1}{4}$ to 1 in.	2	0	0
" if fitted with Self-coring Chisels, in lieu of ordinary plain Chisels and Core Driver	1	0	0
" " " Venetian Blind Punch and Die ( $1 \times \frac{3}{8}$ in.)	0	15	0

A large and varied Stock of Engineers' Tools and Motor Accessories.

## The "Centre Motion" Improved Patent Combined Mortising, Boring, and Tenoning Machine.

No. 2027W.

No. 0 is adapted for fixing to bench only (no feet).

Depth of Mortise 6 in.

Length of Stroke 3 in.

Takes in work 5 in. x 3 in.

Approx. Weight of Machine 1½ cwt.

No. 1 (as illustrated) will Mortise 11 in.

Length of Stroke 6 in.

Takes in work 12 in. x 5½ in.

Approx. Weight of Machine 3½ cwt.

No. 2—stand and feet in one solid casting.

Length of Stroke 6½ in.

Takes in work 12 in. x 7½ in.

Approx. Weight of Machine 4 cwt.

In this Machine the motion from the lever is communicated to the chisel through the centre of the slide, thereby giving a direct action over the chisel, and by this simple and effective arrangement additional power is obtained.

In fixing the chisel in spindle, set the face of chisel square with the fence of the tray, and let the figures on the chisel be towards the handle that turns the chisel; and, in mortising, the face of the chisel must meet the cut.

The chisels are easily loosened in the spindle, by being partly turned with the screw key sent with the Machine. If the chisels are strained in working, and do not reverse true, they are easily made to turn true by being struck with a piece of lead, or a smart blow with a hammer.

	£	s.	d.
Price—No. 0, including ¼, ⅜, and ½ in. Best Cast Steel Chisels, 1 Core Driver, 1 Set Square, and 1 Spanner	6	10	0
" No. 1 " ¼, ⅜, ½, ¾, and 1 in. " " " "	8	0	0
" No. 2 " " " " " " " " " "	9	10	0
Extra for Boring Apparatus, complete with ¼, ⅜, ½ in. Round Nosed Augers, and ¼ and ⅜ in. Cast Steel Drills	1	5	0
" " Tenoning Tool, which will cut tenons from ½ to 1 in. " " " " " "	2	0	0
" if fitted with Self-coring Chisels, in lieu of ordinary Chisels and Core Driver	0	17	6
" for Venetian Blind Punch and Die (1 in. x ⅜ in.) " " " " " "	0	15	0

*Carriage Forward.*

**Contractors to the Home, Indian, and Colonial Governments.**



## New Improved Roller Centre-Action Mortising Machine.

No. 2028W.

Recently redesigned and embodying many new improvements, this pattern is now one of the best Mortisers on the market.

### Carriage Forward.

The cutting edge of the Chisel is in the same vertical plane as the centre of the Working Lever, and the Roller Centre Action will be found of great advantage in working either hard or soft woods.

The Frame is in one casting, and thus has the strength and solidity desirable and necessary for good and accurate mortising.

A noticeable feature is the Improved Reversing Motion, which is self-contained and not liable to break or get out of order. The Nut at the side slot can be very easily and expeditiously slackened back so that the fulcrum pin can be raised or lowered to suit the various depths of work required.

At the side of Tool Box is fitted a Bracket with a vertical pin to which the Boring Apparatus is quickly attached, thereby allowing the auger and chisel when in position for working to be in the same horizontal plane. The Boring Apparatus can also be attached to chisel spindle in the usual manner as in our other makes of Mortising Machines.

This Machine will take in work on Movable Table 16 x 8 in.

Length of stroke, 6½ in.

Approximate weight, 4 cwt.



	£	s.	d.
Price of Machine, including ¼, ⅜, ½, ¾, 1, 1½, 2, and 2½ in. Best Cast Steel Plain Chisels, 1 Core Driver, 1 Spanner, and 1 Set Square ...	8	5	0
Extra for Boring Apparatus, with bracket on side of tool box, complete with ¼, ⅜, ½ in. Round Nosed Augers, ¼, and ½ in. Cast Steel Drills, and small Spanner (deduct 5/- if ordered without side bracket attachment) ...	1	10	0
Extra for Tenoning Tool, which will cut tenons from ¼ to 1 in. ...	2	0	0
„ if fitted with Self-coring Chisels, in lieu of ordinary plain Chisels and Core Driver ...	1	0	0
„ „ Venetian Blind Punch and Die (1 x ⅝ in.) ...	0	15	0

**IMPORTANT TO THOSE ORDERING THROUGH SHIPPERS.**—In order to ensure getting complete satisfaction, we advise our friends to be careful in giving definite instruction that the goods shall be procured direct from our house. By this means you may be sure of receiving the pattern and quality specified in our Catalogue.—Rd. MELHUISH, Ltd.

Bronze Medal, 1884.—Gold Medal, 1890.

# Patent Centre Motion Mortising, Boring, and Tenoning Machine.

No. 2029w.

This is one of the strongest Hand Mortisers on the market, and is used by large builders, contractors, railway companies, collieries, etc., etc.

The Frame is strong and heavy, and cast in one piece, the working is Centre Motion, and the Improved Boring Apparatus can be fitted with pulleys for power when required.

The Compound Table is extra large and strong, and has a rising and falling motion for regulating depth of mortise, worked by the hand-wheel and screw under the table.

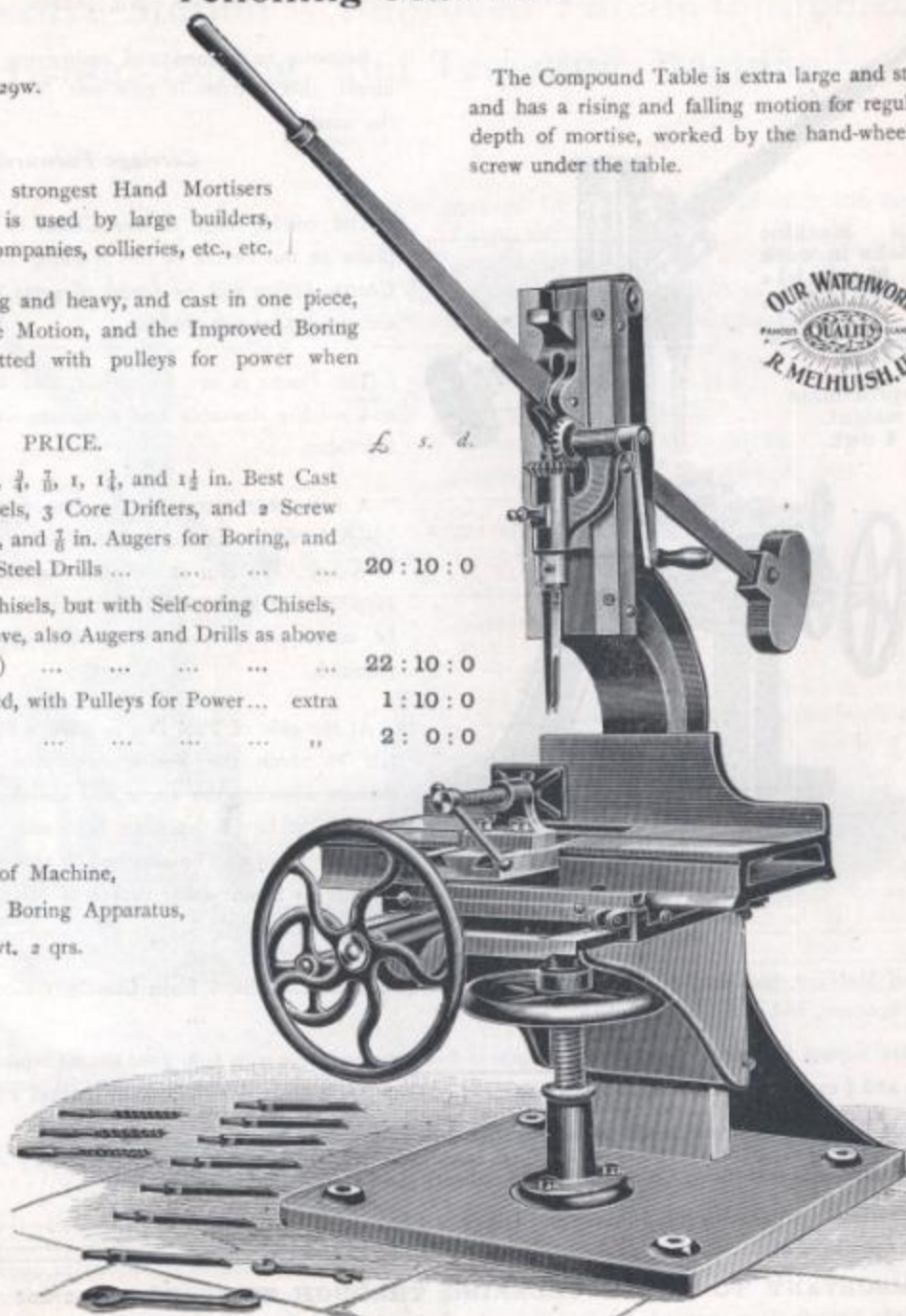


## PRICE.

£ s. d.

Including $\frac{3}{8}$ , $\frac{1}{2}$ , $\frac{5}{8}$ , $\frac{3}{4}$ , $\frac{7}{8}$ , 1, $1\frac{1}{4}$ , and $1\frac{1}{2}$ in. Best Cast Steel Solid Chisels, 3 Core Drifters, and 2 Screw Keys, and $\frac{1}{2}$ , $\frac{3}{8}$ , $\frac{1}{4}$ , and $\frac{3}{16}$ in. Augers for Boring, and $\frac{1}{4}$ and $\frac{3}{8}$ in. Cast Steel Drills ... ..	20 : 10 : 0
Instead of ordinary Chisels, but with Self-coring Chisels, same sizes as above, also Augers and Drills as above (no Core Drifters) ... ..	22 : 10 : 0
Boring Apparatus fitted, with Pulleys for Power... extra	1 : 10 : 0
Tenoning Tool ... ..	2 : 0 : 0

Weight of Machine,  
complete with Boring Apparatus,  
7 cwt. 2 qrs.



Will take in wood 12 in. by 12 in. Will mortise 12 in. deep.

Free on Rail at Works.  $7\frac{1}{2}$  per cent. extra f.o.b. Liverpool; 5 per cent. extra f.o.b. London.

Tool, Machine, and Hardware Merchants and Manufacturers.



Rd. MELHUISE, Ltd., Fetter Lane, Holborn Circus, London, E.C. 285

## Patent Chain and Hollow Chisel Mortising Machine.

No. 2030W.

Worked with Patent Drive (no Gear Wheels or heavy Weights), whereby the highest efficiency without noise is obtained. No countershafting being required, a saving of up to 10 ft. of floor space is effected.

This Machine is well and strongly made, and its Frame is of heavy section and cast in one piece. It is small, compact, and capable of doing the work of, and in less time than, the largest Automatic Machines. It is the easiest to work, the quickest to handle, and can be operated by an intelligent lad.

The Slide carrying the Chain has a full stroke of 12 in., and is brought down to the wood by the Hand Lever working on a patent Centre Motion principle. This enables the operator to feel his work and feed according to the nature of the wood.

All bearings are extra long and self-oiling; they require but little attention and use the same oil over and over again.

Carriage  
Forward.

### Hollow Chisel Arrangement.

Owing to the limitations of the Standard Chain Cutters, i.e.  $1\frac{1}{2}$  in. in length, the Hollow Chisel is employed to make small mortises for sashes, cabinet work, etc. These are cut by means of a revolving auger running inside a square hollow chisel while the worm motion of the auger brings the chippings rapidly away through the side and top of chisel. This arrangement is quite independent of the chain cutters, and can be used for ordinary boring by substituting a boring bit for the hollow chisel and auger.

Takes in Wood 12 in. deep by 9 in. wide.

Will Mortise from  $\frac{1}{4}$  in. to 1 in. wide and up to 6 in. deep.

Price of Complete Machine for Chain Cutter and Hollow Chisel Mortising, and including one  $\frac{1}{2}$  in. Mortise Chain, Guide Bar and Sprocket, and one  $\frac{1}{2}$  in. Square Hollow Chisel and Auger, Suction Fan, Improved Chain Sharpening Machine attached to Frame, and Set of Sprocket Handles and Spanners. Weight 11 cwt. ... .. £39 : 5 : 0  
As above, but with Chain Sharpening Machine supplied loose to fix on a Bench ... .. £37 : 10 : 0

No. 2031W. The Illustration shows the **DRIVING BELT** used in the above Machine. It runs in V-shaped pulleys, and consists of a combination of **Leather** and **Steel Links**. The leather only comes in contact with the pulley, and the internal steel links supply the strength. The Belt is of enormous strength, yet flexible, and is practically unbreakable and indestructible.



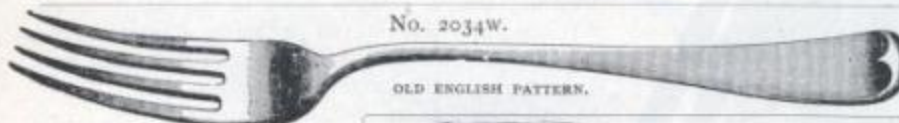
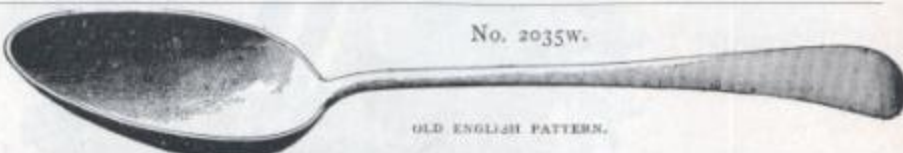


Price ... .. 25/6

Orders of 20/- and upwards Carriage Paid (with few exceptions).

**MELHUISH'S "Carlton Silver" Spoons and Forks, etc.**

These Forks and Spoons are made in only one quality, namely, the best. They have a beautiful White Colour throughout, equal in appearance to Sterling Silver. Their wear is practically everlasting. Fiddle or Old English, same prices.

 <p>No. 2032W. FIDDLE PATTERN.</p>			Table Forks. Price 5/3	Dessert Forks. 4/3 per half doz.
Table Spoons. Price 5/3	Dessert Spoons. 4/3	Tea Spoons. 1/9	 <p>No. 2033W. FIDDLE PATTERN.</p>	
 <p>No. 2034W. OLD ENGLISH PATTERN.</p>			Table Forks. Price 5/3	Dessert Forks. 4/3 per half doz.
Table Spoons. Price 5/3	Dessert Spoons. 4/3	 <p>No. 2035W. OLD ENGLISH PATTERN.</p>		

**MELHUISH'S "Carlton Silver" Spoons, Forks, etc. (Electro-Plated).**

Table Spoons and Forks ...		12/6 per half dozen.	Tea Spoons and Forks ...		5/- per half dozen.
Dessert " " " ...		9/6 " "	Egg, Salt, and Mustard Spoons ...		4/9 " "

**Bread Knives with Carved Whitewood Handles.**

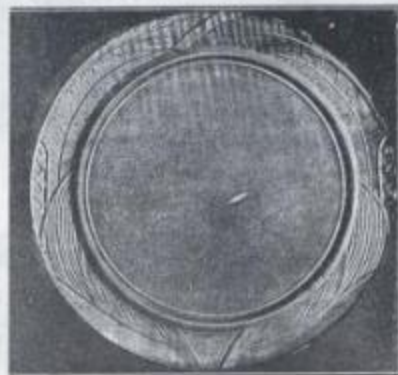
No. 2037W.



Of the best Sheffield manufacture.

Price ... 1/- 1/6 2/- 2/6 3/6 each.

<b>Sycamore Bread Platter. No. 2038W.</b>	<b>Sycamore Bread Platter. No. 2039W.</b>	<b>Sycamore Bread Platter. No. 2040W.</b>
11 in. ... 1/- each.   12 in. ... 1/3 each.	11 in. ... 1/6 each.   12 in. ... 2/- each.	11 in. ... 2/3 each   12 in. ... 2/6 each.



Those ordering through Shippers should give definite instructions that the Goods be ordered *direct from us*. They may then rely on receiving the patterns and quality specified in our Catalogue.



Our Showrooms at 143, Holborn Bars, E.C., will be found replete with all the leading and most up-to-date examples of High-Class Cutlery. A visit of inspection is cordially invited.

RICHARD MELHUISH, Ltd., London, E.C.

**A large and varied Stock of Engineers' Tools and Motor Accessories.**



## Melhuish's High-class Sheffield Table Cutlery.



### Ivory and Ivoride Handled Table and Dessert Carvers and Steels.

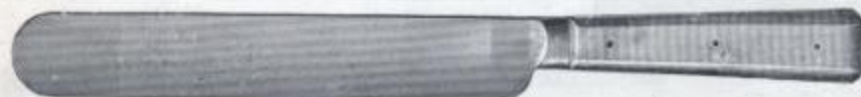
	Dessert Knives.	Table Knives.	Carvers.	Game Carvers.	Steels.
No. 2041w. Ivoride Handles, Grained ...	6/6 per 1/2 doz.	7/6 per 1/2 doz.	6/6 per pair.	5/6 per pair.	1/9 each
" 2042w. Ivoride Handles, balanced and edge pinned ...	8/- "	9/6 "	7/6 "	6/6 "	2/6 "
" 2043w. Oval Ivoride Handles, balanced and edge pinned ...	9/- "	10/6 "	7/6 "	6/6 "	2/- "
" 2044w. Real Ivory Handles, balanced and edge pinned ...	12/6 "	19/6 "	13/6 "	11/6 "	3/6 "

### White Bone Handled Table and Dessert Knives.



Warranted  
Best Quality.

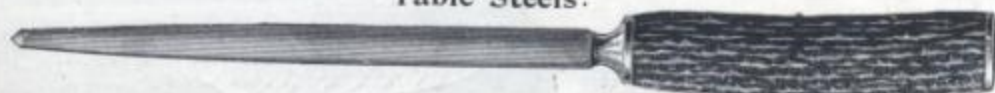
No. 2045w. Dessert Knives, 4/- Table Knives, 5/- per 1/2 doz.  
" 2046w. Edge pinned, Dessert Knives, 5/6. Table Knives, 7/- per 1/2 doz.



Three-pin White Bone or  
Black Horn Handled Table  
and Dessert Knives.

No. 2047w. Dessert Knives, 3/- Table Knives, 3/3 per 1/2 doz. Fully  
" 2048w. Dessert Knives and Forks, 5/3 Table Knives and Forks, 5/9 per 1/2 doz. Warranted.

### Table Steels.



No. 2049w. Stag Handle, 1/6 each. No. 2050w. Stag Handle with German Silver Ferrule and Cap, 2/- each.



No. 2051w. Fluted and Polished Table Steel, Imitation Ivory Handle, 3/- each.  
" 2052w. Plain Table Steel, 1/9. Imitation Ivory Handle, 2/-, 2/6. Real Ivory Handle, 4/-, 4/6, 5/- each.

### Improved Wheel Knife Sharpeners.



No. 2053w.

6-Wheel Knife Sharpener.

Stag Handle ... 2/6 each.  
Imitation Ivory ... 3/- "  
Ivory ... 4/3 "



No. 2054w.  
Bronze Metal, with  
6 Wheels, 3/3 each.



No. 2055w.

Stag Handles ... 4/6 each.  
Imitation Ivory ... 4/9 "  
Ivory ... 6/6 "

Contractors to the Home, Indian, and Colonial Governments.

## Carving Knives, Forks and Steels.



Meat or  
Game  
Carvers  
same  
Prices.

No. 2056w. **Carving Knives and Forks.**  
Imitation Ivory, 6/6; Ivory, 13/6 per pair.

No. 2058w. **Stag Handles.**  
Stag Handle, 8 in. Blade 3/6; 9 in. Blade 4/6 per pair  
Best ditto " " 5/-; " " 6/-  
Best ditto with German Silver Ferrules and Caps  
8 in. Blade 6/-; 9 in. Blade 7/- per pair.

No. 2057w. **Steels.**  
Imitation Ivory, 2/-; Ivory, 4/6 each.



### Best Sheffield Table Cutlery.

In Velvet-lined Cases with Silk Cushions.

No. 2059w.

Containing 1 pair Imitation Ivory Handle Meat Carvers  
with Steel to match:

Price, complete ... 12/6 per case.

With Real Ivory Handles:

Price, complete ... 19/6 per case.

### Best Sheffield Table Cutlery.

In Velvet-lined Cases with Silk Cushions.

No. 2060w.

Containing 1 pair Meat Carvers and Steel:

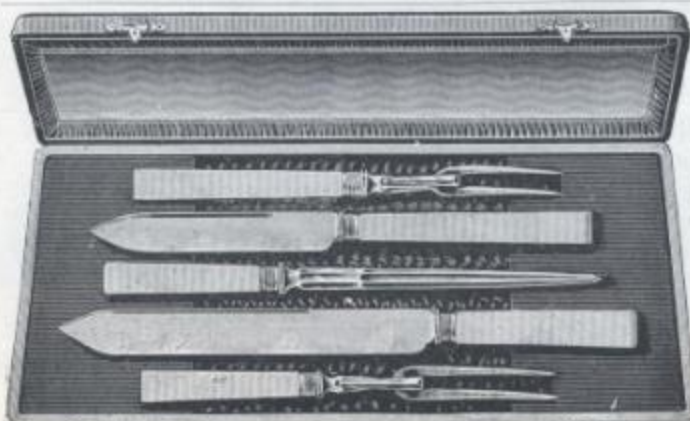
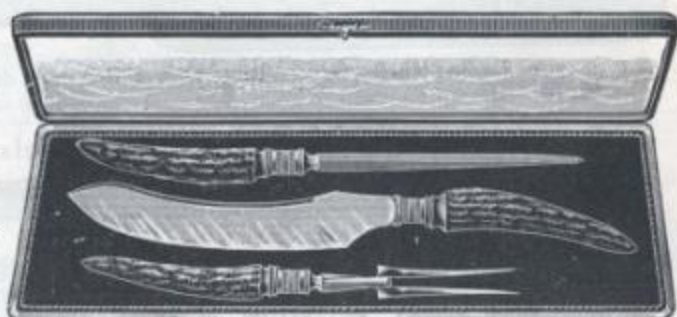
Stag Handles ... 10/6 per case.

Walrus Point with Electro-  
Plated Ferrules ... 31/6 "

Containing 1 pair Meat Carvers, 1 pair Game Carvers  
and Steel:

Stag Handles ... 17/6 per case.

Walrus Point with Electro-Plated  
Ferrules ... 48/- "



### Best Sheffield Table Cutlery.

In Velvet-lined Cases with Silk Cushions

No. 2061w.

Containing 1 pair Meat Carvers and Steel:

Imitation Ivory Handles ... 12/6 per case.

Real Ivory Handles ... 21/- "

Stag Handles, Silver Mounts ... 12/6 "

— [Containing 1 pair Meat Carvers, 1 pair Game  
Carvers and 1 Steel:

Imitation Ivory Handles ... 22/6 per case.

Real Ivory Handles ... 34/6 "

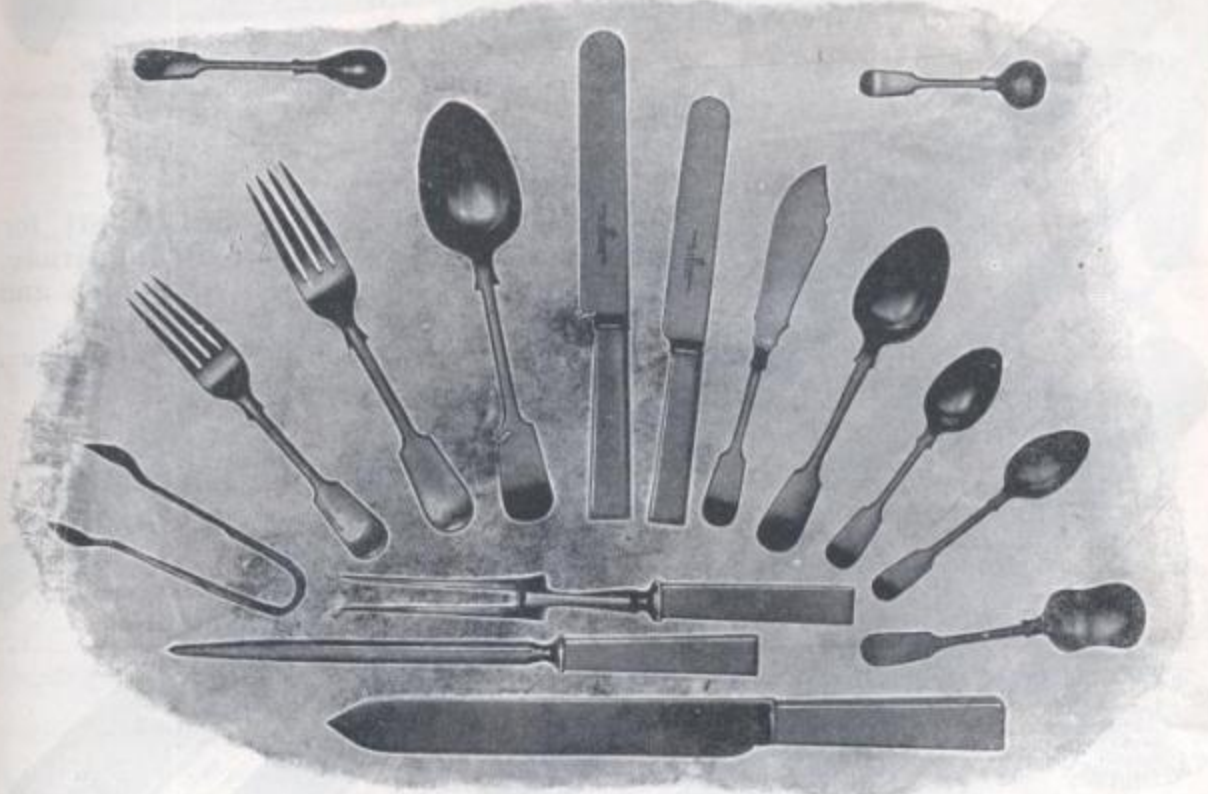
Stag Handles, Silver Mounts ... 19/9 "

Bronze Medal, 1884.—Gold Medal, 1890.



Rd. MELHUISH, Ltd., Fetter Lane, Holborn Circus, London, E.C. 289

Melhuish's "Carlton" Cutlery. Known all the World over.



No. 2062W.

52 Pieces in Box, all Complete as follows:—

6 Table Knives, with Ivoride Handles.	6 Carlton Silver Dessert Forks.	2 Carlton Silver Salt Spoons.
6 Dessert " " " "	6 " " " Spoons.	1 " " Mustard Spoon.
1 Pair Carvers " " "	2 " " Table " "	1 Pair Carlton Silver Sugar Tongs.
1 Steel, with Ivoride Handle.	6 " " Tea " "	1 Carlton Silver Sugar Spoon.
6 Carlton Silver Table Forks.	6 " " Egg " "	

Price complete ... 31/- in Strong Box.  
Butter Knife 1/- extra.

The Spoons and Forks are our celebrated "Carlton" Nickel Silver table ware, and are equal to Sterling Silver in appearance. Their wear is practically everlasting.

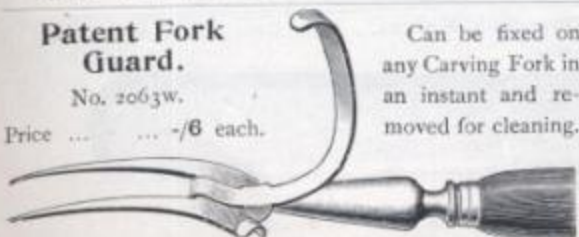
Every Set bears our regular guarantee of quality. Order direct (we have no agents). Cutlery Catalogue on application.

Note.—The above Set can be increased or reduced to suit the requirements of our customers.

#### Patent Fork Guard.

No. 2063W.

Price ... -/6 each.



Can be fixed on any Carving Fork in an instant and removed for cleaning.

#### Goddard's "Non-Mercurial" Plate Powder.

No. 2064W.

Price ... 1/- per packet.



Tool, Machine, and Hardware Merchants and Manufacturers.

**No. 2065W. Best Sheffield Made French Cooks' Knives.**  
 5 in. 1/3; 6 in. 1/6; 7 in. 1/9; 8 in. 2/-; 9 in. 2/6; 10 in. 3/-; 12 in. 4/- each.  
 No. 2065W. French Make, Warranted.  
 5 in. -/8; 6 in. -/9; 7 in. 1/-; 8 in. 1/1; 9 in. 1/3; 10 in. 1/6 each.

**No. 2066W. Cooks' Forks.** Of the Best Forged Steel with Two Prongs.  
 6 in. 1/-; 7 in. 1/3 each.

**No. 2067W. Bacon or Household Knives.** Ebony Handles, 3 Rivets.  
 With Blade of Special Fine Temper. Price 3/- each.

**No. 2068W. Best Sheffield Made Ham Knife.** With Buffalo Horn Handles, 9 in. 2/9; 10 in. 3/3; 12 in. 3/6 each.

**No. 2069W. Butchers' Steels.** With Stag Handles, 9 in. 2/6; 10 in. 2/9; 12 in. 3/3 each.

**No. 2070W. Beef Slicer.** With 12 in. Blade of Special Fine Temper. Price 3/- each.

**Cooks' Forks with Guards.**  
 No. 2071W. Strong make with Guard and special Hardwood Handle, 6 in., 1/3 each.

**No. 2072W. Butchers' or Household Knives.** With Rosewood Handles.  
 Price 5/-7 6/-10 7/-11 8/1 10/5 12 in. 2/4 each.

**MELHUISH for  
 Promptitude,  
 Quality and  
 Low  
 Prices.**



All the Goods shown on this page are warranted to be of the Best Sheffield Manufacture and are thoroughly reliable in material, temper, and finish.  
 RICHARD MELHUISH, Ltd., London, E.C.

**Orders of 20/- and upwards Carriage Paid (with few exceptions).**



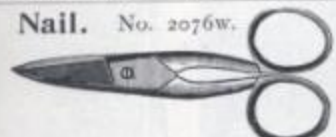
### Embroidery.



No. 2074W.

Length ...	3½	3½	3½ in.
Price ...	1/3	1/6	1/9 each.

### Nail. No. 2076W.



Price ...	1/-	1/3	and 1/6 each.
Bent Nail	2/-	2/6	3/- " 3/6 "

### Nail. No. 2078W.

Very Strong.



Price 2/6 per pair.

### Nail. No. 2079W.



Hammered Bows. Sheffield's Best.

Price 3/- 3/6 per pair.

### Cutting-Out. No. 2081W.



Length	4	4½	5	5½	6	6½	7	8 in.
Price	-/10	-/11	1/-	1/3	1/6	1/9	2/-	2/6 each.

### Scissors.

All of the best  
Warranted  
Quality.



### Cases of Scissors in French Morocco, Silk-lined Cases.

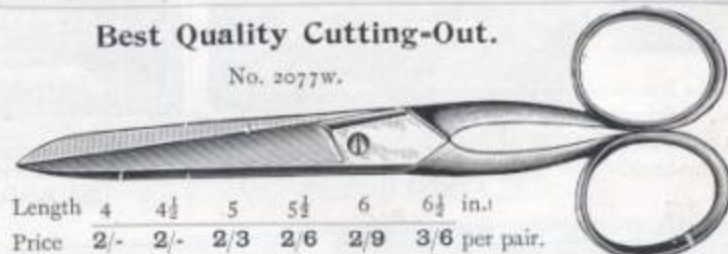
No. 2075W.

Complete with ...	2	3	4 Scissors.
No. 1. Plain Bows	3/3	4/6	6/- per case.
" 2. Fancy "	4/3	6/-	8/- "
" 3. Plain "	4/-	6/6	8/6 "
" 4. Fancy "	6/-	8/6	10/6 "



### Best Quality Cutting-Out.

No. 2077W.



Length	4	4½	5	5½	6	6½ in.
Price	2/-	2/-	2/3	2/6	2/9	3/6 per pair.

### Cutting-Out. No. 2080W.

Hammered Bows.



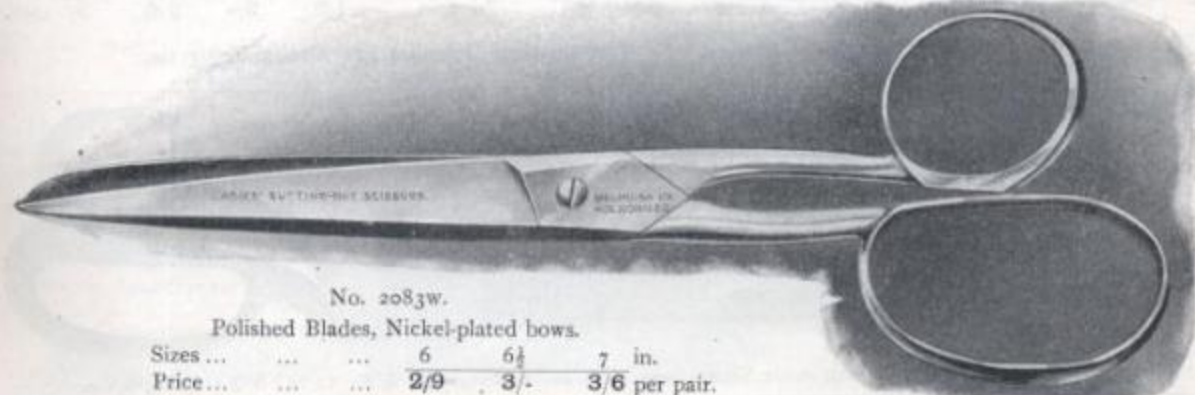
Sheffield's Best.

Length	4	4½	5	5½	6	6½ in.
Price	3/-	3/-	3/6	4/-	4/6	5/- per pair.

### Heavy Cutting-Out. No. 2082W.



Length ...	6	7	8	9	10	11	12 in.
Price ...	1/-	1/3	1/9	2/6	3/9	5/-	6/9 each.



No. 2083W.

Polished Blades, Nickel-plated bows.

Sizes ...	...	6	6½	7 in.
Price ...	...	2/9	3/-	3/6 per pair.

A large and varied Stock of Engineers' Tools and Motor Accessories.

**Leather Needle Case.**

No. 2084w.



Contains Needles, Knife, Scissors, Stiletto, and Buttonhook.

3/6

**Leather Needle Case.**

No. 2085w.



Contains Needles, Knife, Scissors, Crochet Hook, etc.

5/-

**Roan Case, lined Satin and Plush.**

No. 2086w.



Contains 1 pair 4½ in. Scissors, Buttonhook, and Stiletto, Thimble, Bodkins, Silk Reels, and Needles.

6/9

**Small Leather Case.**

No. 2087w.



Contains a useful assortment of Household Needles.

1/-

**Set, No. 2088w.**

In Leather Case, lined Velvet and Satin, and contains Satinwood Box and Polisher, Nail Cleaner and Brush, and 1 pair Glazed Nail and Manicure Scissors.

All White Fittings, 12/-

All Ebony Fittings, 12/-

If all Ivory Fittings, Polished Nail and Bent Manicure Scissors, 22/6



**Set, No. 2089w.**

In Leather Case, lined Silk and Plush, and contains 1 pair 4½ in. and Embroidery Scissors, Pearl Knife and Screw, Buttonhook, Stiletto, Crochet Hook, Nail File and Tweezers, Bodkin, Thimble, and Knitting Needles.

Size when closed: 7½ x 4½ in.

Price with White Fittings: 10/- complete.



**Office and Paper-Cutting Scissors.**

No. 2090w.



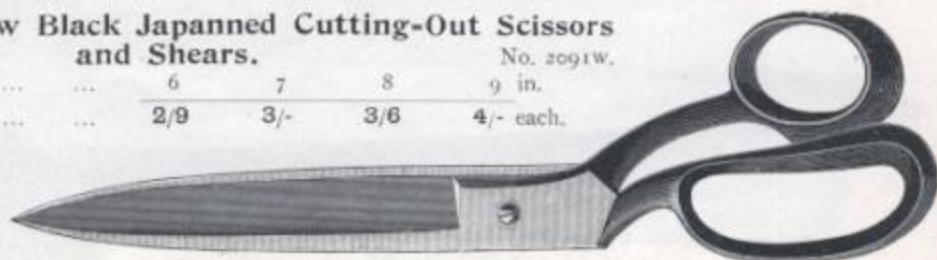
Length ...	7	8	9	10 in.
Price ...	1/9	2/-	2/6	3/- each.

Button Hole and many other pattern Scissors are also sold by us.

**Large Twisted Bow Black Japanned Cutting-Out Scissors and Shears.**

No. 2091w.

Length ...	6	7	8	9 in.
Price ...	2/9	3/-	3/6	4/- each.



No. 2092w. Heinisch's American-made Shears, length, 10 in., 4/3; 11 in., 4/9; 12 in., 5/3; 13 in., 6/- each.

**Contractors to the Home, Indian, and Colonial Governments.**



Rd. MELHUISH, Ltd., Fetter Lane, Holborn Circus, London, E.C. 293

**Pocket Cutlery of the Finest Manufacture. <sup>TRADE</sup> Warranted.**



No. 2093w.

3 Blade, Stag or Ivory.  
Price 2/6 each.

A general favourite.

2 Blade, full size, in  
Ivory, Stag, or Metal  
Handle.

Price 1/- each.

If with 3 Blades,  
price 1/9 each.



No. 2094w.

No. 2095w.

Single Bladed Ivory or Stag Handle.

Price ... 1/- each.



No. 2098w.

Platinoid  
Handle.

Price 7/9 each.

Ivory Handle.

Price 9/6 each.

Pearl Handle.

Price 10/6 each.



No. 2096w.

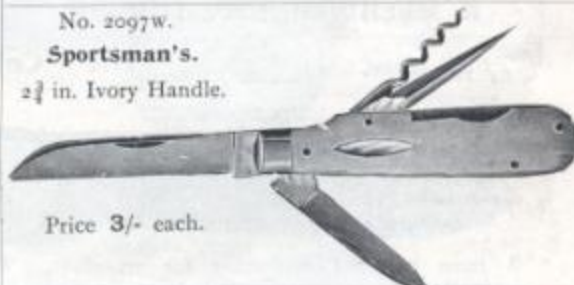
Buffalo Horn, Bone, or Stag Handle, 2 Bladed.

Price 1/- each.

No. 2097w.

Sportsman's.

2 3/4 in. Ivory Handle.



Price 3/- each.

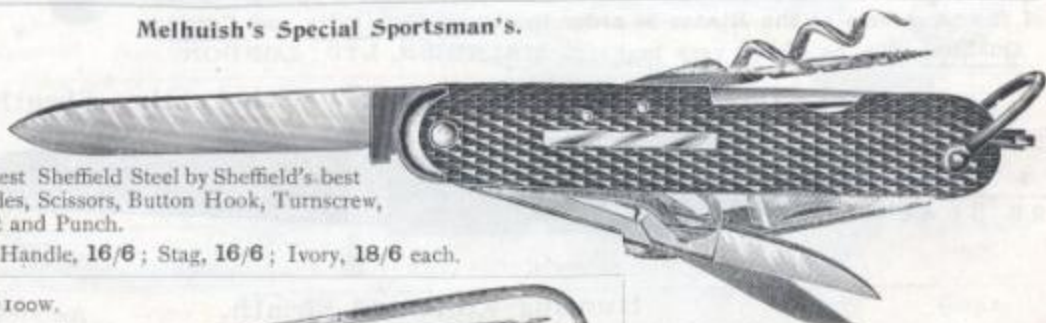
World Renowned for Sterling Quality and  
Good Value.

**Melhuish's Special Sportsman's.**

No. 2099w.

Made of the finest Sheffield Steel by Sheffield's best  
workmen. 2 Blades, Scissors, Button Hook, Turncrew,  
Corkscrew, Gimlet and Punch.

Price, Chequered Handle, 16/6; Stag, 16/6; Ivory, 18/6 each.



No. 2100w.

Sportsman's.

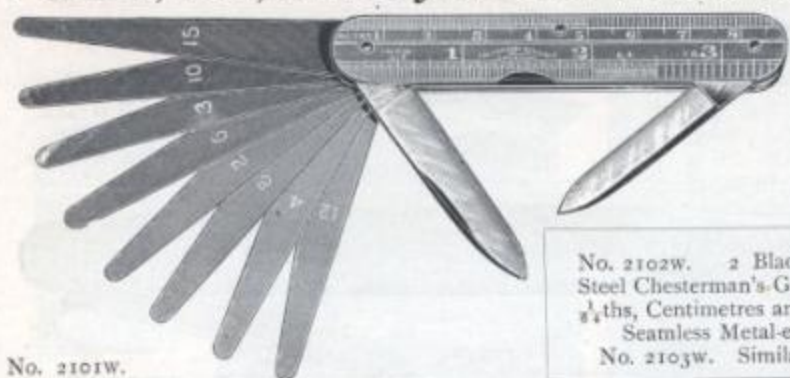
Stag Handle. Price 3/9 each.  
Similar Patterns.

Price 4/6, 5/6, and 6/6 each.  
From 6 to 12 Instruments.



**Bronze Medal, 1884.—Gold Medal, 1890.**

294 Rd. MELHUISE, Ltd., Fetter Lane, Holborn Circus, London, E.C.  
 Pocket, etc., Cutlery of the Finest Manufacture. Warranted.



No. 2101W.

Steel Rule Knife, Chesterman's Guaranteed Scales and Feelers. Feelers 2, 3, 4, 6, 8, 10, 12, 15 thousandths of an inch. Price 6/9 each.

**Motor Knives** for advertising purposes a speciality.  
 Quotations on application.

A visit of inspection is invited to our Show Rooms, 143, Holborn Bars, where may be seen one of the finest stocks of Cutlery in the Kingdom.

R. MELHUISE, LTD., LONDON.

No. 2102W. 2 Blades and Nickel-Plated Steel Chesterman's Guaranteed Foot Rule, divided  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{3}{8}$  and  $\frac{1}{8}$ ths, Centimetres and Millimetres. Each Knife is supplied in a Seamless Metal-edged Pig-skin Sheath. Price 5/9 each.  
 No. 2103W. Similar to above, without case. Price 3/- each.



No. 2104W. Bright Steel Rule Knife, Chesterman's Guaranteed Steel Rules. Price 2/- each. Similar to illustration.

No. 2105W.  
**Motor Knife.**

Nickel Handle, not rule marked, with 1 Blade and Sparking Plug File. Price 1/6 each.

No. 2106W.

### The "Colonial."



A most useful Combination for travellers, explorers, etc. Strong metal handles, first quality throughout. 18/6 each.

Apart from the material and finish of our Cutlery, we make a special feature of the tempering of the Blades in order that their Reliability and Cutting Qualities may be of the very best. R. MELHUISE, LTD., LONDON.

No. 2107W.

### Dagger or Hunting Knife with Leather Sheath.

Length of Blade.  
 5 6 7 in.  
 2/6 3/6 4/6



Length of Blade.  
 8 9 10 in.  
 5/6 7/- 9/6

A variety of other patterns always in stock.

### Hunting Knife and Sheath.

No. 2108W.



8 in. Polished Bowie Blade. Can be used locked at half length, and locked full length. Chequered Buffalo Handle, in Leather Sheath. Price 15/6 each.

Tool, Machine and Hardware Merchants and Manufacturers.



**Pocket Cutlery of the Finest Manufacture. Warranted.**

No. 2109W.

Sportsman's, 2 Blades,  
Buttonhook, Turnscrow, Leather  
Punch, Corkscrew, etc.



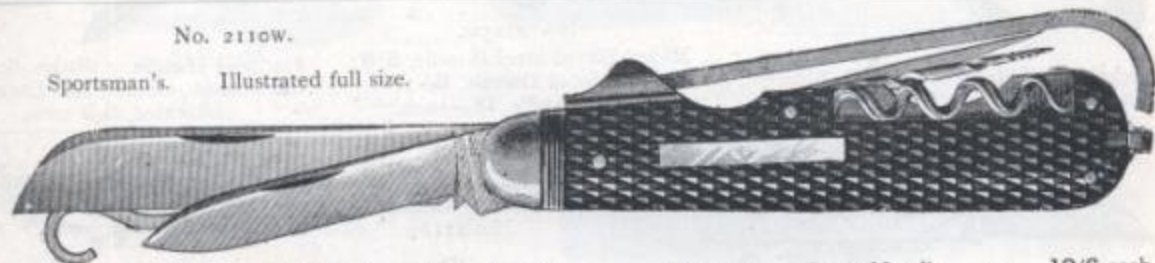
Ivory Handle.  
Price 12/6

Stag Handle.  
Price 10/6

Chequered Handle.  
Price 10/6

No. 2110W.

Sportsman's. Illustrated full size.



Chequered Horn Handle ... 8/6 each. Stag Handle ... 9/6 each. Ivory Handle ... 10/6 each

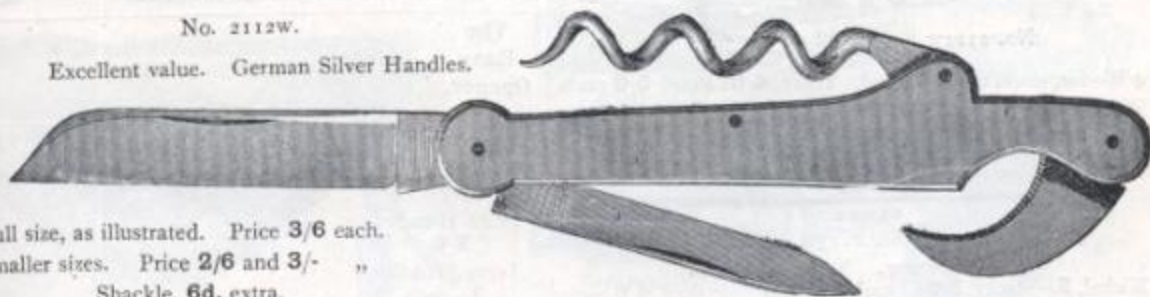
No. 2111W.



Strong useful Com-  
bination.  
German Silver  
Handles.  
Price 7/6 each.

No. 2112W.

Excellent value. German Silver Handles.



Full size, as illustrated. Price 3/6 each.  
Smaller sizes. Price 2/6 and 3/-  
Shackle, 6d. extra.

No. 2113W.

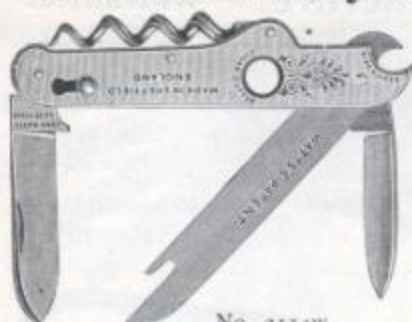
Sportsman's or Fisherman's,  
Strong, German Silver Handles.  
Price 13/6 each.



World-  
Renowned  
for  
Sterling  
Quality  
and  
Good  
Value.

**Orders of 20/- and upwards Carriage Paid (with few exceptions)**

# Pocket Cutlery of the Finest Manufacture. Warranted.



No. 2114W.

Nickel-Plated Steel Handle, 4/6; Platinoid Handle, 5/6; Silver Handle, 16/6 each.



No. 2115W.

Nickel-Plated Steel Handle, 5/6; Platinoid Handle, 6/-; Silver Handle, 18/- each.



No. 2116W.

Platinoid Handle, 2 Blades, Scissors, Buttonhook, Gimlet, and Corkscrew, shackled, 6/9 each.

## Ladies' Chatelaine Knife.



No. 2117W.

In Silver, 7/-; Ivory, 5/-; Pearl, 6/- each.



No. 2118W.

## Champagne Knife. German Silver.

Length, 3 in., 3/3; 3 1/2 in., 3/6 each.

No. 2119W. Sterling Silver, shackled. Length, 3 in., 8/6; 3 1/2 in., 15/6 ea.



No. 2120W.

2 Blades, Buttonhook, Nail File on back. Ivory, 4/6; Pearl, 5/6; Silver, 7/6 each. 2 Blades only, German Silver, 1/6. Special value.

## Combination or Smokers' Knife.



No. 2121W

With Silver Shackle, 12/6; Gold ditto, 42/6 each.

A visit of inspection is invited to our Showrooms, 143, Holborn Bars, where may be seen one of the finest Stocks of Cutlery in the Kingdom.



No. 2122W.

4 Blades, sunk, inside milled: Ivory, 4/6; Pearl, 5/6 each.



CLOSED

No. 2123W.

Easy opening. No broken nails. Nickel, 2/-; Ivory, 3/6; Pearl, 4/6; Tortoise-shell, 4/6 each.

## The Easy Opener.

White Metal Handles, 1/6, 2/-; Horn Handles, 2/6; Ivory Handles, 3/- each.



No. 2124W.



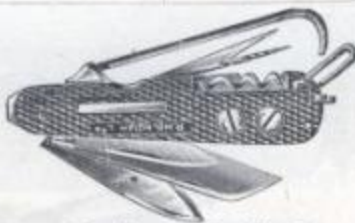
No. 2125W.

Platinoid, Flush Pins, 2 Blades, 1/3 each.

## The Active Service Knife.

No. 2126W.

Chequered Horn Handle, 2 Blades, Tin Opener, Leather Punch, Gimlet, Corkscrew, Horse Hook, Picker, and Tweezer, also 2 loose Trace Screws and Nuts, shackled, 15/6 each.



No. 2127W.

Platinoid Handle, 2/6; Ivory Handle, 3/3; Silver Handle, 8/6 each.

A large and varied Stock of Engineers' Tools and Motor Accessories.



Rd. MELHUISE, Ltd., Fetter Lane, Holborn Circus, London, E.C. 297

## Pocket Cutlery of the Finest Manufacture. Warranted



No. 2128W.

	Ivory.	Stag.	Pearl.	Tortoise Shell.
2 Blades ... ..	1/-	1/-	2/-	2/- each.
Joseph Rodgers' make	1/9	1/9	3/-	3/- "



No. 2129W.

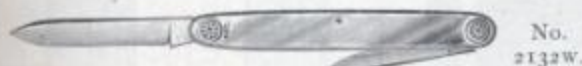
	Ivory.	Stag.	Pearl.	Tortoise Shell.
2 Blades ... ..	1/6	1/6	3/6	3/6 each.
Joseph Rodgers' make	2/9	2/9	4/-	4/- "



No. 2130W.

	Ivory.	Stag.	Pearl.	Tortoise Shell.
3 Blades ... ..	2/-	2/-	3/-	3/- each.
Joseph Rodgers' make	2/6	2/6	3/6	3/6 "

### The Automatic "Open Easy" Knife.



No. 2132W.

Can be opened or closed by sliding the button.  
2 Blades, Nickel-Silver Handle. Price 1/9 each.

No. 2131W. Best Quality Corn Knife.  
3 1/4 in. Handle. Price 1/9 each.



### Boy Scouts' Knife.

With Lanyard  
No. 2133W.  
Nickel-Plated.  
Price:  
3 1/2 in. 1/6 ea.  
4 1/2 in. 1/9 "  
No. 2133 1/2 W.  
With Stag  
Handle, 1/-

No. 2134W.  
Yachting Knife, large size, with Blade and Marlinspike, 3/6



### "Open Easy" Puzzle Knife.

No. 2135W.  
Drawn Actual Size.  
1 Blade, Nickel-Silver Handle.  
Price ... 1/3 each.

### Improved Rose Cutters and Holders.

No. 2136W.

After being cut the stem of the Flower is held by the Spring as illustrated. The notch at side is useful as a Wire Cutter.



PRICE:  
Polished and  
Nickel-Plated,  
2/6 pair.

### Flower Gatherer.

No. 2137W.

Attached to end of Stick or Cane, it is useful for cutting and holding Flowers out of ordinary reach.

Price 4/6



No. 2137W.

### Police and other Whistles. Best make only.

No. 2138W.



Taxi Whistle.  
Price 1/- each.

No. 2139W.



Very powerful  
Price 2/6 each.

No. 2140W.

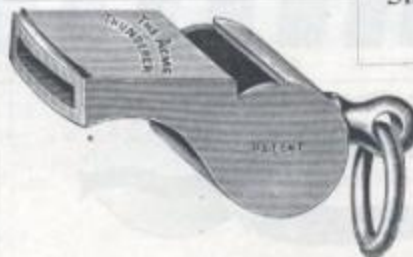


Metropolitan Police.  
Price 1/- each.



No. 2141W.

Siren, complete with  
Wristlet.  
Price 3/9 each.



No. 2142W.

The  
"Thunderer"  
Whistle.

Price ... .. -/9, 1/- and 1/3 each.

Contractors to the Home, Indian, and Colonial Governments.

## Horticultural Cutlery Department.

NOTE.—ALL GOODS WARRANTED TO BE OF THE BEST SHEFFIELD MANUFACTURE.



No. 2143W.

## Pruning Knives.

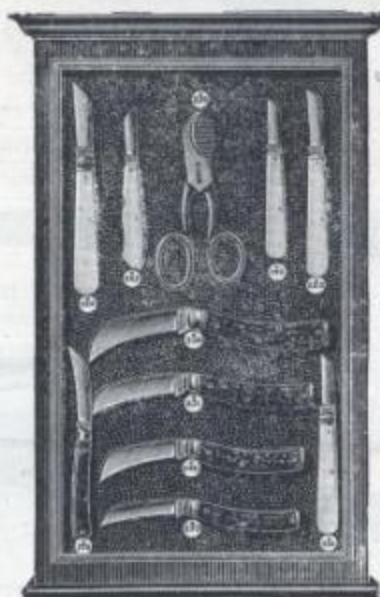
1 Blade, Chequered  
Handle, 1/- each.  
Ditto, Stag Handle  
1/3 each.



No. 2144W.

## Pruning Knives.

Stag Handle, Capped  
End, 2/- 2/6 3/- each.  
Ditto, Brass Capped  
End, 3/6 & 4/- each.



For a varied and extensive selection of Horticultural, Farm, and Estate Appliances, see Section No. 16 of our Catalogue. A copy of this will be sent Post Free on application.

A visit of inspection is invited to our Showrooms at No. 143, Holborn, E.C., where may be seen one of the largest Stocks of Cutlery in the Kingdom.



A B C D E F G H I J

## Pruning Knives.

No. 2145W.

No.	Price.
A ...	2/3 each.
B ...	3/3 "
C ...	1/6 "
D ...	2/9 "
E ...	4/- "
F ...	2/6 "
G ...	3/3 "
H ...	2/9 "
I ...	1/3 "
J ...	1/4 "

All Warranted.



No. 2146W.

## Budding Knives.

3 1/2 in. Ivory Polished  
Blade, Price 2/-.  
Cheaper Pattern,  
1/- 1/3 1/6.



No. 2146 1/2 W.

## Budding Knives.

4 in. Ivory Polished  
Blade, 3/6 each.

In all our Cutlery special attention is paid to the tempering of the Blades in order to ensure their taking a keen and lasting edge.

R. MELHUISE, Ltd.

## Steel Pruning Shears.

No. 2147W.



Length ...	6	7	8 in.
Price ...	3/-	3/3	3/9 each.

## Steel Pruning Shears.

No. 2148W.



Length ...	7	8	9 in.
Price ...	3/6	4/-	4/6 each.

Bronze Medal, 1884.—Gold Medal 1890.



Rd. MELHUISH, Ltd., Fetter Lane, Holborn Circus, London, E.C. 299

## Best Quality Sheffield Razors. All Warranted.

We introduce these Razors as being made from the finest quality Sheffield Steel, made and finished by Sheffield best workmen. Neither quality nor workmanship can be surpassed.



No. 2149W.

Black Handles, Half Hollow Ground ... 1/- and 1/6 each.  
 " " Hollow Ground ... 2/- " 2/6 "  
 Extra Hollow Ground, as illustrated ... 3/- each.



No. 2150W.


"Express" Razors, warranted best quality and finish, full Hollow Ground, made with blades  $\frac{3}{8}$ ,  $\frac{1}{2}$ ,  $\frac{5}{8}$ , or  $\frac{3}{4}$  in. wide.  
 Black Horn, 3/6; Ivory, 5/6 each, either width.



No. 2151W.

Melhuish's Celebrated "Carlton" Razor.  
 Full Hollow Ground.

	$\frac{3}{8}$ in. wide.	$\frac{1}{2}$ in. wide.	$\frac{5}{8}$ in. wide.	$\frac{3}{4}$ in. wide.
Price, Black Handle	4/6	4/6	4/6	4/6 each.
" Ivory "	6/6	6/6	6/6	6/6 "



No. 2152W.

Melhuish's Celebrated "Dispatch" Razor.

	$\frac{3}{8}$ in. wide.	$\frac{1}{2}$ in. wide.	$\frac{5}{8}$ in. wide.	$\frac{3}{4}$ in. wide.
Price, Black Handle	3/6	3/6	3/6	3/6 each.
" Ivory "	5/6	5/6	5/6	5/6 "

### Best Quality Shaving Brushes.

Warranted.

No. 2153W.



Hat-shape Bone Stock:

No. 1 2 3 4

Price 1/- 1/3 1/6 1/9 each.

Hat-shape Bone Stock, Pure Badger Hair:

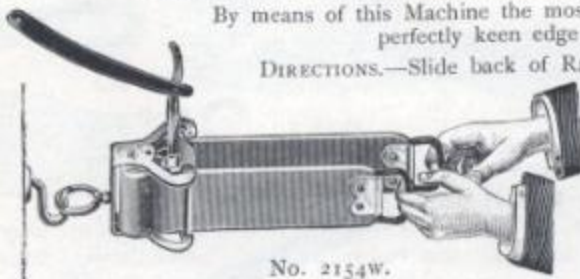
No. 2 3 4 5

Price 3/- 4/6 5/6 6/6 each.

### Automatic Stropping Machine for Razor.

By means of this Machine the most inexperienced may produce a perfectly keen edge on his Razor.

DIRECTIONS.—Slide back of Razor Blade into Spring Clamp in centre of Frame, hook Machine to any convenient object, say the "Third Hand," as described below, then pull Strop to and fro half a dozen times or more. Care must be taken not to let Razor Handle come in contact with anything while stropping.



No. 2154W.

Price ... 12/6 each.  
 Also made for Safety Razor Blades ... 7/6 "

### "Third Hand" Drawer Hook Vice.

No. 2155W.

This clever device (weighing but 1½ oz.) can instantly and firmly be fixed in any drawer without injury to the furniture. It is then ready for holding Razor Strop, Ladies' Hair Switches, the points of Hair Pins for curls, Fish-Hooks for repairing purposes, and forms a Hand-Vice for making flies, Thread for threading beads, Wet Films and Photos, the ends of netting in the making, wire for working, plaiting, securing a small dog to dressing table, hanging up clothes, cleaning chains and jewellery, cleaning or whitening belts, etc. As a Hand-Vice it forms a valuable tool for Cyclists, Motorists, Fishermen, and others.



PRICES (Plated and in handsome Presentation Cases):

Hook only ... 1/-  
 Hook and Vice, as illustration ... 2/-  
 Hook and Vice in Special Case de Luxe ... 3/-

Tool, Machine, and Hardware Merchants and Manufacturers.

## Razor Strops.



No. 2156W.  
Black Horsehide and Canvas.  
Padded Handle.  
Length, 22 x 2 in.  
Price ... .. 9 each.

No. 2157W.  
Black Horsehide and Canvas Strops.  
Price ... .. 1/- and 1/6 each.



No. 2158W.  
Best Quality. London made.  
Horsehide. Padded Handle.  
Price ... 2/6 and 3/6 each.

No. 2159W.  
Best Quality. London made.  
Fine Black Hide. Padded  
Handle.  
Price ... 1/- each.

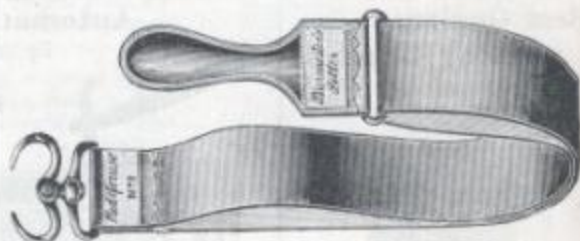


Genuine Russia Leather, with  
Patent Canvas and Padded  
Handle.  
Length of Leather, 17 x 2 in.  
Price ... 3/- each.

### Carborundum Razor Strops.



No. 2161W. Size 2 1/2 x 24 in. A light-weight, genuine, selected  
Horsehide; has the ordinary Handle, and is trimmed with  
Nickel Wire hardware. List price ... 3/3 each  
No. 2162W. Size 2 x 22 in. Plain Black Horsehide Strop, Cut  
Handle, Metal Eyelet Holder. List price, 2/3 each.  
No. 2163W. Size 2 1/2 x 24 in. Same as Strop No. 2162W.,  
excepting as to size. List price ... 2/9 each.



No. 2164W. Extra heavy Velvet Hide Leather and Pre-  
pared Canvas. Superior finish throughout. Length  
over all, 25 in. Price ... 2/6 each.

No. 2165W.



Satinwood Polished Handle, Best Goat-  
skin, Straight Grain, French Morocco  
Leather Case.  
Size ... 14 16 18 in.  
Price .. 2/6 3/- 3/6 each.

No. 2166W.  
Flat Fancy Leatherette  
Case, Goat Leather.  
Length, 16 in. 2/3 each.  
" 18 " 2/9 "



No. 2167W.



**Kemikol.** Contains no Emery or gritty substance,  
and leaves the Razor ready for shaving. This Strop  
finishes as it goes and requires no dressing.  
Price ... .. 1/9 each.

Orders of 20/- and upwards Carriage Paid (with few exceptions).



No.  
2168W.



## Hair and Beard Clippers.

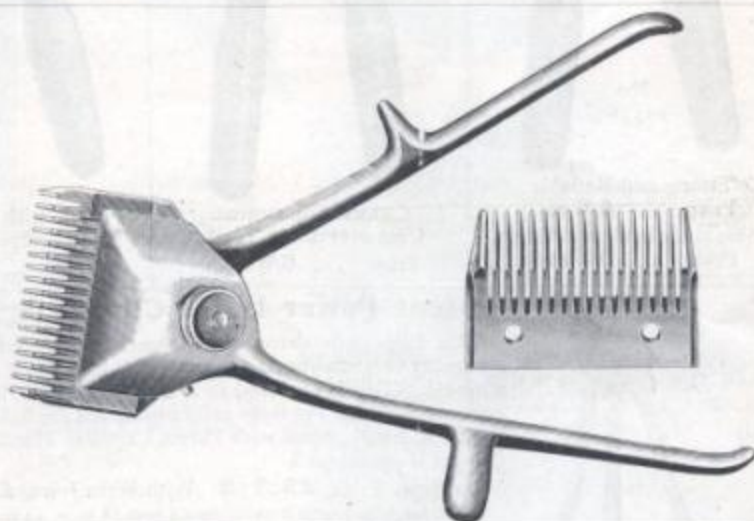
Owing to the highly finished make of each part of this clipper, and to the groove in the lower set of teeth, it is possible to obtain the closest cut ( $\frac{1}{32}$  of an inch or less) one can imagine. In fact, any one not possessing a very strong beard can use it entirely in place of a razor.

Its simple construction readily permits of its being taken to pieces for the purpose of cleaning the teeth, and the removal of these latter is quite easy, should it be necessary to change the spring.

Price complete in Box with 2 extra Springs	...	4/9
" extra Bottom Plate	...	1/9
" " Top "	...	1/6

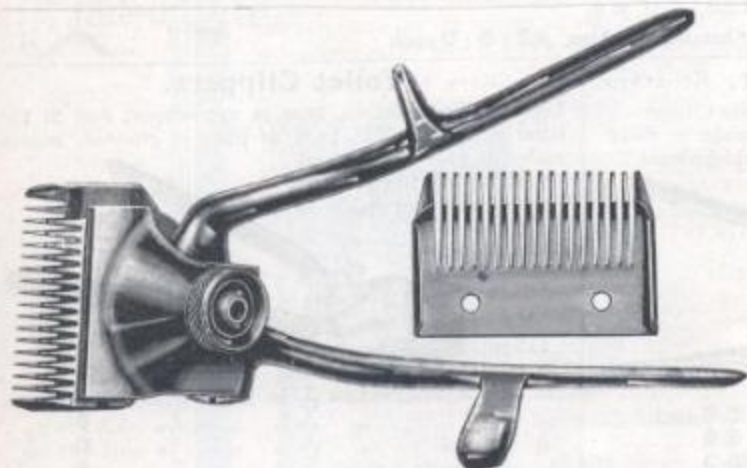
A most reliable Clipper of new design, each complete with one extra Spring.

No. 2169W. To cut $\frac{1}{8}$ in.	Price	...	3/6
" 2170W. With 1 Sliding Comb, cutting $\frac{1}{8}$ and $\frac{5}{16}$ in.	...	4/3	
" 2171W. With 2 Sliding Combs, cutting $\frac{1}{8}$ , $\frac{5}{16}$ , and $\frac{3}{8}$ in.	...	4/9	
Extra Bottom Plate	...	1/9	
" Top "	...	1/6	



This Clipper is beautifully made. The ease of the cut and the smooth working of the "push-spring" make it quite a general favourite.

No. 2172W. To cut $\frac{1}{8}$ in.	Price	...	6/-
" 2173W. With 1 Sliding Comb, cutting $\frac{1}{8}$ and $\frac{5}{16}$ in.	Price	7/-	
" 2174W. With 2 Sliding Combs, cutting $\frac{1}{8}$ , $\frac{5}{16}$ , and $\frac{3}{8}$ in.	Price	8/-	
Extra Bottom Plate, to cut $\frac{1}{8}$ in.	"	1/9	
" " " " $\frac{1}{8}$ " "	"	2/9	
" " " " $\frac{3}{8}$ " "	"	3/-	
" Top Plate	...	2/-	



We warrant all goods bearing our name to be perfect, so far as material and workmanship are concerned. If a tool proves too soft, or breaks in consequence of a flaw in the steel, and is returned within a reasonable time from the date of purchase, a new tool will be given in exchange. If it is broken where the steel is sound it cannot be exchanged.—R. MELHUISH, LTD.

**A large and varied Stock of Engineers' Tools and Motor Accessories.**

**Horse and Toilet Clippers (British Manufacture).**

All these Designs are manufactured by the most efficient and up-to-date machinery from the finest materials obtainable. Their workmanship, finish, and reliability are warranted to be the most perfect that combined skill and experience can produce.

**Horse Clipper.**

No. 2175W.  
Strong and Reliable.  
Price ... 4/6 each.  
Also made in cheaper finish.  
Price ... 3/3 each.

**Horse Clipper.**

No. 2176W.  
Centre Adjustment.  
Cuts over three Teeth.  
Price ... 6/9 each.

**Horse Clipper.**

No. 2177W.  
Fitted with Grasshopper Springs.  
Price ... 7/9 each.

**Horse Clipper.**

No. 2178W.  
For Trimming Horses' Ears and Fetlocks, and for Dogs.  
Price ... 6/6 each.

**Patent Power Horse Clipper (Enclosed Gear Type).**

This Clipper is driven by a mechanism consisting of a number of gear wheels so arranged that a great speed is attained. This is enclosed in a dust-proof gear box. All cogs are machine cut from solid metal, and the flexible shaft is 6 ft. in length, fitted with Patent Clipping Head. Every Clipper is guaranteed.

No. 2179W. Price, £2:7:6 With Wrist Joint, £1:17:6

When taken to pieces it packs into a case 18 in. x 14 in. x 8 in.  
Total weight, 36 lb.

No. 2180W. Sheep Shearing Machine, £2:5:0 each.

**Toilet Clipper. No. 2181W.**

A handy and popular Clipper. Nickel-plated, and made in three sizes to cut three thicknesses.



All the Machines specified on this page are Warranted.

No. 0.	Close, to cut $\frac{1}{8}$ in.	Price ...	5/6 each.
" 1.	Medium " $\frac{1}{4}$ "	" ...	3/6 "
" 2.	Long " $\frac{1}{2}$ "	" ...	5/9 "
Sliding Combs	" $\frac{1}{8}$ " or $\frac{3}{8}$ in.	" ...	-/9 "

These can only be used with No. 1 size.

Extra Springs. Price ... 1/6 per doz.

**Toilet Clippers.**

Light in construction, neat in appearance, and fit the hand perfectly. The back of plate is grooved, moves smoothly over the skin and enters the hair freely. Very durable and not liable to get out of order.

No. 2182W.



No. 000	leaves the hair $\frac{1}{8}$ in. long.	Price ...	6/- each.
" 00	" $\frac{1}{4}$ "	" ...	6/- "
" 0	" $\frac{1}{2}$ "	" ...	6/- "
" 1	" $\frac{3}{4}$ "	" ...	6/- "
" 2	" 1 "	" ...	7/6 "

Prices include Spare Spring with each Machine.

Extra Springs. Price ... 3/- per doz.

**Contractors to the Home, Indian, and Colonial Governments.**



## The Celebrated Gillette Safety Razor.



KNOWN THE WORLD OVER

Our Showrooms at 143, HOLBORN BARS, E.C., will be found replete with all the leading and most up-to-date examples of High-Class Cutlery. A visit of inspection is cordially invited.

RICHARD MELHUISH, LTD., London, E.C.

No. 2183w.  
Morocco Grain Case, Velvet lined, Triple Silver-Plated Razor, £1:1:0

No. 2184w.  
Nickel-Plated Case, Velvet lined, Triple Silver-Plated Razor, £1:1:0

No. 2185w.  
Real Seal or Pigskin Case, Velvet lined, Gold-Plated Razor £1:10:0



KNOWN THE WORLD OVER



The Razor of the Twentieth Century.

Drawings are Full Size.

The "Mikado" Shaving Soap.

Specially made for use with this Razor.

1/- per Case.



### The "Mikado" Safety Razor.

No. 2186w.

The Frame and Holder of this pattern are simple in design and mechanically perfect, there are no screws to regulate, and everything drops automatically into its place.

The complete Razor, with device for ordinary stropping, is sent out packed in a hand-somely decorated Enamelled Case, 2½ x 1½ in.

Price, Nickel-Plated and complete with Blade of the finest Sheffield Steel, 3/6 each.

Extra Blades, 2/- each.

Post Free.

### Standard Combination Set. No. 2187w.

No. A. Consists of Triple Silver-Plated Razor; Badger Hair Shaving Brush in Triple Silver-Plated Holder; Stick Gillette Shaving Soap in Triple Silver-Plated Holder; 2 Metal Blade Boxes, and 12 double-edged Blades; all contained in Seal Grain Leather Case ... £1:7:0

No. B. Same as above; contained in Real Seal Case ... 1:13:0

No. C. Same as above; contained in Pigskin Case ... 1:13:0

No. D. Same as above; with Gold-Plated Razor and Fittings throughout 2:1:0

Bronze Medal, 1884.—Gold Medal, 1890.



# Safety Razors, etc.



No. 2190w. Komet Safety Razor, with 6 blades, in Imitation Leather Case, 2 Nickel-plated Cases with Soap Stick and Brush ... Price complete 12/6



Silver Finish  
Solid Steel Blade.  
Price 1/- each.



No. 2192w. Tip-Top Safety Razor, Silver-plated, with 12 blades, dark red Imitation Leather Case, with 2 Nickel-plated Cases for Brush and Soap ... Price 15/6

No. A. With Black Case and Adjustable Mirror, 2 Nickel-plated Cases with Soap Stick and Brush ... 18/-

No. B. With Real Pigskin Case, with Mirror, Badger Brush, and Nickel-plated Case complete ... Price 25/-



No. 2193w. Tip-Top Safety Razor, 12 blades Imitation Buckskin, 2 Nickel-plated Cases and Tray, with Soap Stick and Brush ... Price complete 18/-

No. 2194w.  
Holder for Sharpening Blades.  
Price -/5



Packet of 5 for above Razor, price per packet... 1/-

Packet of 5 for Komet ... 1/3

" 10 " Tip-Top ... 2/6

" 10 " Nicolet ... 2/6



No. 2196w. Nicolet Safety Razor, with 12 blades in Airtight Nickel-plated Case, inside Gilt, blades in separate Metal Case ... Price 15/-

No. 2197w. Ditto, in Real Pigskin Case, Badger Brush, and Colgate Soap in Nickel-plated Case. 26/6

Tool, Machine, and Hardware Merchants and Manufacturers.



# The Improved Gem Safety Razor.

No. 2198w.

Handy, Reliable, Extremely Compact, and British Made by British Labour.

Extra Blades,  
1/6 each.



In tin case with one  
Blade, 3/- each.



The adjustment for the Blade being rigid, it is impossible for the Razor to get out of order. The handle is divided into two parts—one screws into the frame, the other part will either fit on to that, or slot into the Blade holder, which is used for stropping and honing.

## Patent Automatic Stropper.

No. 2199w.

For giving a perfectly keen and easy shaving edge to Safety Razor Blades. A special feature of this design is the clever arrangement whereby that part of the strop against which the blade is presented assumes a convex surface, consequently the original curvature of the edges of the blades is maintained. Impossible to cut strop during manipulation if directions are carried out.

Price,  
Silver-Plated, and  
with finest  
Pigskin Strop,  
7/6



No. 2200w.

## The "Osmond" Safety.

An excellent Razor,  
nicely finished and  
nickel-plated.

Price, with 3 Blades,  
2/6

Gillette blades can be  
used with this pattern.

Price, 3/- per doz.

## -Shaving Stick.



No. 2201w. Price 1/.

## Hand Stropping Machine.

No. 2202w.

Suitable for Gillette and  
other blades, nicely  
nickel-plated,  
with black  
handle.

Price 3/-

Strop,  
1/- extra.



## Improved Pattern Poultry Carver.

Price, Silver-plated ... 5/6 full size; 4/6 small size.

## Awards for

Bronze Medal, 1884.

## Excellence.

Gold Medal, 1890.



For our Complete List of Stocks and Dies and other Engineers' and Motor Tools, see Catalogue No. 20.

Orders of 20/- and upwards Carriage Paid (with few exceptions).



## CLEMAK Safety Razor 5

The Clemak Safety Razor, with its Mechanical Lever Action and freedom from screws, bars, etc., marks a new era in self shaving.

To bring the Blade into correct position for shaving or to free it for cleaning, it is only necessary to press the knob, and the Blade is automatically fixed or released as desired.

Clemak Blades are made from the finest quality steel, and if properly stropped and carefully used will last for years.

**Clemak Blades**, price 2/6 per packet.



## Clemak Safety Razor Set.

No. 2207W.

Comprising a Silver-Plated Clemak Razor with seven perfect Blades, and Stropping Handle, complete in Box.

The Clemak is one of the safest and most efficient Razors on the market. Price ... 5/-

## Clemak Shaving Soap.

Abundant creamy lather, anti-septic, and will not dry on the face.

Price -/6 per stick.

## Combination "Clemak" Set.

No. 2208W.

A Triple Silver-Plated Razor. 12 selected Blades. Stropping Machine with Hide Strop. Packed in handsome Leather Case. Price ... 10/6

**Kemoline** will greatly increase the sharpening properties of your Strop. Price -/6 per Tube.



## New Patent "Clemak" Stropping Machine.

No. 2209W.

An original and effective Strop. Not only is the Blade brought down upon the Strop, but the Strop is forced up to meet the edge of the Blade, making the Machine doubly effective.

Price 3/6, including superior Hide Strop.



No. 2210W.

## The Centaur Safety Razor Set.



This is a thoroughly reliable, well-made and finished Safety Razor, nickel-plated, complete with a dozen "Shavwell" Blades, and packed in a neat case. Price 4/- complete.

In ordering through Shippers please give clear and definite instructions that the goods be bought direct from our house. You may then be sure of obtaining the patterns and quality specified in our Catalogues.

R. MELHUIH, LTD.

## The "Presto" Safety Razor.



A perfect shaving device. Entirely English manufacture.

No. 2211W. The "Special" Case containing Silver-Plated "Presto" Razor Holder, 12 guaranteed "Presto" Blades, Stropping Handle, and special "Presto" Horsehide Strop, with Hook for hanging, complete in handsome Case. Price 10/6.

No. 2212W. Ditto as above, but with Badger Hair Brush and Shaving Soap in Plated Holder. Price 21/- complete.

No. 2213W. Contains Silver-Plated "Presto" Razor Holder, 7 Blades, with Stropping Handle, complete in handsome Case. Price 5/-; Blades 3/- per doz.

## Travellers' Combination Set.

No. 2214W.

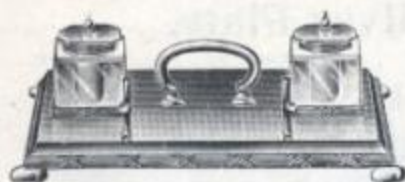


This attractive Case is made of genuine Goatskin, lined with moire silk. It contains 1 Silver-Plated Razor, 12 "Shavwell" Blades, 1 Telescope Badger Hair Brush, 1 Stick Williams' Shaving Soap in Nickel Case. Price 12/6 each.

No. 2215W. This superb Case is made of genuine Morocco, leather-lined throughout. It contains 1 Gold-Plated Razor, 12 "Shavwell" Blades, 1 Badger Hair Brush in Case, 1 Stick Williams' Shaving Soap in Case. Price 21/- each.

**A large and varied Stock of Engineers' Tools and Motor Accessories.**





No. 2216W.

Electro-Plated Double Inkstand, 23/-

## Melhuish's Sheffield-Made Silver Plate.



No. 2218W.



No. 2219W.



No. 2220W.



No. 2221W.

Electro-Plated Nickel Silver Butters, Jams, Pickles, Bread Forks, all one price, 1/4 each.



No. 2222W.

Electro-Plated Nickel Silver Jelly, Heliotrope Glass, 10/6



No. 2217W.

Electro-Plated Nickel Silver Double Jelly or Butter Dish, with two Glass Linings, with Jam Spoons or Butter Knives, 14/6



No. 2223W.

Electro-Plated Nickel Silver Double Jelly, Crystal Glass, 18/-  
Single Jelly ... 10/-

A visit of inspection is invited to our Showrooms at 143, Holborn, E.C., where we hold one of the largest and most varied stocks of Silver Plate and Cutlery in the Trade. R. MELHUISH, Ltd., London, E.C.



No. 2224W.

Case containing 6 Xylonite handled Table Knives and 6 Nickel Table Forks...	17/-
Ditto, with Electro-Plated Nickel Silver Forks ...	21/-
Ditto, 6 Xylonite handled Dessert Knives and 6 Nickel Dessert Forks ...	13/-
Ditto, with Electro-Plated Nickel Silver Forks ...	16/-
Ditto, 12 pairs Table Knives and Nickel Forks ...	34/-
Ditto, 12 pairs Dessert Knives and Nickel Forks ...	28/-



No. 2225W.

Waiter, Heavily Mounted and Richly Engraved,  
8 in., weight about 12 oz., Electro-Plated Nickel Silver, 45/-  
10 in., " " 20 oz., " " " 58/-  
12 in., " " 30 oz., " " " 70/-

Contractors to the Home, Indian, and Colonial Governments.

# Melhuish's Sheffield Made Silver Plate.

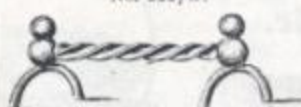
No. 2226W.



Electro-Plated  
Nickel Silver  
Skewer.

Quality.  
A. -5 per in.  
B. -4 "  
C. -3 "

No. 2227W.



Electro-Plated Knife Rest.  
2/3 each.



No. 2228W.



Oak Butter and Knife.  
Electro-Plated Nickel Silver  
Mounts, 9/6

No. 2229W.



Electro-Plated Knife  
Rest.  
1/2 each.



No. 2230W.



Electro-Plated  
Nickel Silver  
Lobster Picks.

1/6 each.

Silver, 9/- each.

No. 2231W.

## Solid Oak or Walnut Canteens.

Warranted  
Sheffield  
make.



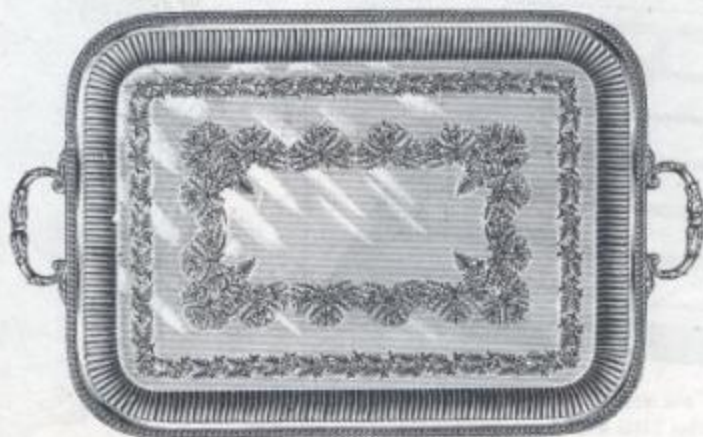
No. 2231W. Containing 6 Dessert Forks, 6 Dessert Spoons, 6 Tea Spoons, 1 Gravy Spoon, 6 Table Forks, 6 Table Spoons, 2 Salt Spoons, 1 pair Sugar Tongs, 2 Knife Rests, 6 Table Knives, 6 Dessert Knives, 1 pair Meat Carvers, 1 Steel.

Price ... .. £5 : 5 : 0

No. 2234W.



Electro-Plated  
Nutcracker.  
2/- each.



No. 2233W. Electro-Plated Nickel Silver Tray.

18 in. ... 80/-	20 in. ... 91/-	22 in. ... 106/-	24 in. ... 124/-
Also made in smaller sizes without handles.			
10 in. ... 20/-	12 in. ... 26/-	14 in. ... 33/-	16 in. ... 40/-

No. 2234W.



Electro-Plated  
Nutcracker.  
3/4 each.

Bronze Medal, 1884.—Gold Medal, 1890.



# Melhuish's Sheffield-Made Silver Plate.

No. 2235W.



Electro-Plated Nickel Silver Sugar Dredger.

6½ in. high	12/-
7 " "	15/-
8 " "	18/-
9 " "	24/-

No. 2238W.



Sterling Silver Ring, 3/-



Sterling Silver Ring, 5/-

No. 2241W.



Fern Pot, with Lining.

	Electro-Plated Britannia Metal.	Electro-Plated Nickel Silver.
4 in. diameter	9/-	21/-
5 " "	13/-	29/-
5½ " "	18/-	38/-
6 " "	22/-	48/-

No. 2236W.



Oak Liquor Stand. Electro-Plated Nickel Silver Mounts, Cut Glass Bottles, £2 : 12 : 0

No. 2239W.



Case 6 pairs Electro-Plated Nickel Silver Fish Eaters, and 1 pair Carvers, Xylonite Handles £3 : 2 : 0  
Case 12 pairs Electro-Plated Nickel Silver Fish Eaters, and 1 pair Carvers, Xylonite Handles £5 : 0 : 0

No. 2237W.



Electro-Plated Nickel Silver Sugar Sifter. 2/6 each.

No. 2240W.



Syphon Holder. Electro-Plated Nickel Silver, 26/-  
Electro-Plated Britannia Metal, 16/6

No. 2242W.



Electro-Plated Nickel Silver Cruet. 4-glass, 14/6 5-glass, 19/-  
6-glass, 24/-

# Silver-Plated Tea and Coffee Services, Etc.

No. 2243w.



Best Silver Plate.

2-pint Tea Pot, 15/6; 2½-pint Coffee Pot, 24/-;  
Sugar Basin, 14/-; Cream Jug, 12/-

Price, set complete, £3 : 5 : 6

No. 2244w.  
Hot Water Jug.



Silver Plate. Hot Water Jug.  
1 1½ 2 pints.  
Price 24/9 26/3 29/-

No. 2245w.



Best Silver Plate. Tea and Coffee Service.

2-pint Tea Pot, 23/-; 2½-pint Coffee Pot, 30/6;  
Sugar Basin, 20/6; Cream Jug, 17/3

Price, set complete, £4 : 11 : 3

No. 2246w.  
Hot Water Jug.



1 1½ 2 pints.  
Price 16/6 19/- 21/3

No. 2247w.



Best  
Silver  
Plate.

Tea and  
Coffee  
Service.

2-pint Tea Pot, 14/3; 2½-pint Coffee Pot, 21/6;  
Sugar Basin, 12/-; Cream Jug, 9/6

Price, set complete ... .. £2 : 17 : 3

No. 2248w.  
Claret Jug.



Best Silver-plated Claret Jug.  
Price 15/-

No. 2249w.  
Syphon Stand.



Best Silver Plate on Nickel Silver.  
Price 17/3

No. 2250w.  
Flower Stand.



Best Silver  
Plate.

Price 27/9

No. 2251w.  
Rose Bowl.



Best Silver Plate.

Size 1 2 3 4  
Price 26/- 31/6 33/9 40/6

Orders of 20/- and upwards Carriage Paid (with few exceptions).



## Melhuish's Sheffield-Made Silver Plate.

No. 2252w.

**Cruet.**



Silver Plate on Nickel Silver.  
Price, 8/3

**Cruet.**

No. 2253w.



Best Silver Plate on Nickel Silver.  
Price, 12/9

**Cruet.**

No. 2254w.



Best Silver Plate on Nickel Silver.  
Price 4 glass ... 23/3  
" 6 " ... 39/9

**Toast Rack.**

No. 2255w.



Best Silver Plate on Nickel Silver.  
Price, 5 bar, 8/3.  
" 7 " 11/-

**Dish Covers.**

No. 2256w.



Sizes of Dish Covers 10 12 14 16 18 20 in.  
Finest White Metal 11/9 16/3 21/- 26/3 32/6 38/- each.  
Electro-plated ... 23/- 29/- 40/- 46/- 57/6 67/6 "  
Electro-plated on Nickel Silver ... 51/- 60/- 69/6 83/- 89/- 100/- "

No. 2257w.

**Sugar Scuttle.**



Best Silver Plate. Price 11/3

**Butter Dish.**

No. 2258w.



Silver Plated, 15/-

**Cruet.**

No. 2259w.



Best Silver Plate on Nickel Silver.  
4 5 6 glass.  
13/6 18/- 22/9

**Egg Stand.**

No. 2260w.



Best Silver Plate. Price 19/9

No. 2261w.  
**Mustard Pot.**



Best Silver Plate on Nickel Silver.  
Price 8/9 complete.

No. 2262w.  
**Salt Cellar.**



Best Silver Plate on Nickel Silver.  
Price 6/3, with Spoon.

**Pepper Box.** No. 2263w.



Best Silver Plate on Nickel Silver.  
Price 6/3

A large and varied Stock of Engineers' Tools and Motor Accessories.



No. 2264W.

**Entree Dish.**

Best Silver Plate on Nickel Silver.

Price 35/3

**MELHUISH'S  
SHEFFIELD-MADE  
SILVER-PLATE.**

No.  
2265W.



**Cake Dish.**

Handsome Cake Basket, best Silver Plate on Nickel Silver.  
Price 28/-



No. 2266W.

**Fruit Dish.**

Fruit Dish, best Silver Plate on Nickel Silver.

Price 20/- complete with Spoon.

No. 2267W.

**Biscuit Box.**



Fumed Oak, Silver-plated Biscuit Box.

Price 14/3

No. 2268W. **Fish Eaters.**



Case (leatherette) containing 6 pairs of Fish Eaters, xylonite handles. 17/3  
Same as above, but with ivory handles. 26/6  
Case (leatherette) containing 6 pairs of Fish Eaters, xylonite handles, silver ferrules, better quality. 30/-  
Oak Case containing 12 pairs. 60/-  
Oak Case containing 12 pairs, (ivory handles). 80/-

No. 2269W.

**Fruit Dish.**



Best Silver-plated Fruit Stand.

6 in. ...	15/-
8 " ...	20/6
10 " ...	26/3

**Combination  
Toast-Rack and  
Butter Dish.**

No.  
2270W.



Best Silver Plate on Nickel Silver. Price 11/6

No. 2271W.



Very handsome fumed Oak Salad Bowl and Servers. 24/-

Same as above, but without handles.  
19/6

No. 2272W.

**Jam Dish.**



Silver-plated. Price 8/9

**Contractors to the Home, Indian, and Colonial Governments.**



## English-made Office Furniture.

### No. 2273w. Low Roll Top Davenport.

Automatic Locking Action, Satin Walnut Pigeon-hole Interior, Top Drawer in Pedestal fitted with Movable Partitions.



29 in. wide, 24 in. deep, 41½ in. high.  
In Fumed Oak ... £3 : 19 : 6  
" Satin Walnut, finished Walnut or  
Mahogany ... £4 : 6 : 0

### No. 2274w. Low Roll Top Desk.

Automatic Locking Action, Satin Walnut Pigeon-hole Interior, Top Drawers in Pedestals fitted with Movable Partitions.



48 in. wide, 27 in. deep, 40 in. high.  
In Fumed Oak ... £5 : 14 : 0  
" Satin Walnut, finished Walnut or Mahogany £6 : 5 : 9

No. 2275w. 50 in. wide, 32 in. deep, 49 in. high.  
As illustrated, Oak Linings, all Pedestal Drawers except left-hand bottom fitted with Movable Partitions,  
Bottom Drawer fitted for Books ... Price: In Fumed Oak ... £8 : 12 : 6

No. 2276w. 55 in. wide, 32 in. deep, 49 in. high. " " Satin Walnut, finished Walnut or Mahogany £9 : 2 : 6  
" " Fumed Oak ... £10 : 6 : 9  
" " Satin Walnut, finished Walnut or Mahogany £10 : 9 : 6  
No. 2277w. 60 in. wide, 32 in. deep, 49 in. high. " " Fumed Oak ... £12 : 0 : 6  
" " Satin Walnut, finished Walnut or Mahogany £13 : 2 : 6



### No. 2278w. Low Roll Top Desk.

Automatic Locking Action. Solid Walnut Pigeon-hole Interiors. Right-hand Bottom Drawer to hold Ledgers. All Pedestal Drawers except left-hand bottom are fitted with Movable Partitions.

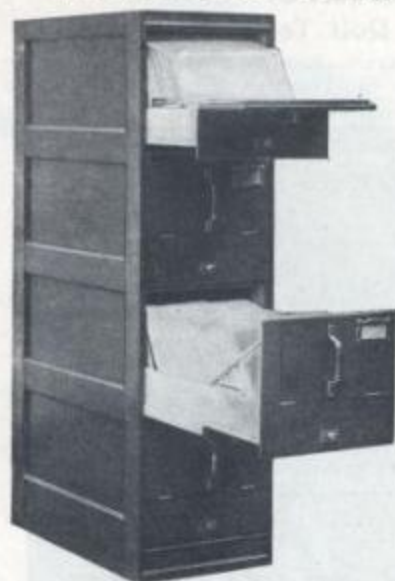
50 in. wide, 32 in. deep, 40½ in. high.  
In Fumed Oak ... £8 : 5 : 0  
" Satin Walnut, finished Walnut or  
Mahogany ... £9 : 10 : 6

No. 2279w. 55 in. wide, 32 in. deep, 40½ in. high.  
In Fumed Oak ... £9 : 19 : 6  
" Satin Walnut, finished Walnut or  
Mahogany ... £10 : 19 : 6

No. 2280w. 60 in. wide, 32 in. deep, 40½ in. high.  
In Fumed Oak ... £11 : 17 : 6  
" Satin Walnut, finished Walnut or  
Mahogany ... £12 : 17 : 0

Bronze Medal, 1884.—Gold Medal, 1890.

### Vertical Letter Filing Cabinet.



In Fumed Oak.

No. 2281W.

The Cabinet contains four drawers, each of which has a filing capacity of about 5,000 letters; it is complete in itself but so constructed that should increasing correspondence make extension necessary other similar sections can be added whenever required.

Size, each drawer, 12½ in. wide, 10½ in. high, 22½ in. back to front. Exterior measurements: 15 in. wide; 54 in. high; 27½ in. back to front; top, back and sides panelled.

Price, Cabinet only... £6 : 0 : 0  
 „ Cabinet complete with 60 folders and  
 20 guide cards in each drawer ... £6 : 10 : 6

### Fumed Oak Roll Top Typewriter Desk.

No. 2282W.

Measurements closed:  
 23 in. wide; 24½ in. deep.

Measurements fully extended:  
 34 in. wide, including side extension; 36 in. deep.  
 Height, 46½ in.

The bed pulls out to afford facility for typing, and when pushed back the whole cabinet can be locked; drawers automatically locked and unlocked by roll-top action.



The side extension slide is attached to the underpart of machine bed extension, and can be drawn out for use on either the right or left side to hold correspondent's note book, etc.

Fumed Oak .. £4 : 6 : 3



OPEN.

### Typewriting Desk.



CLOSED.

No.  
 2283W.

3 ft. wide; 2 ft. 8½ in. high; 2 ft. 7 in. deep; width of Typewriter bed, 1 ft. 8½ in.

The Typewriter need not be detached when not in use, as the bed on which it stands shuts into a dust-proof case, the Typewriter is entirely hidden from view and securely locked; the desk can then be used as an ordinary flat top Desk. Drawers are automatically locked and unlocked by the closing of the top drawer.

Fumed Oak ... £8 : 17 : 6

Quotations given for Card Index System Cabinets on application.

All Carriage Forward.

**Tool, Machine, and Hardware Merchants and Manufacturers.**



## English-made Office Furniture.

No. 2284w.

### Roll Top Desk.

Automatic Locking Action. Satin Walnut Pigeon-hole Interior. Top Drawer in each Pedestal fitted with Movable Partitions.



48 in. wide, 27 in. deep, 47 in. high.

In Fumed Oak ... £6 : 6 : 0  
 „ Satin Walnut, finished Walnut or Mahogany £6 : 19 : 0

No. 2285w. 50 in. wide, 30½ in. deep, 47 in. high.

As above, but with 3 Top Drawers in each Pedestal fitted with Movable Partitions, Oak Linings.

In Fumed Oak ... £8 : 5 : 0  
 „ Satin Walnut, finished Walnut or Mahogany £9 : 3 : 0

No. 2286w. As above, but 55 in. wide.

In Fumed Oak ... £9 : 19 : 0  
 „ Satin Walnut, finished Walnut or Mahogany £10 : 17 : 6

No. 2287w. As above, but 60 in. wide.

In Fumed Oak ... £11 : 11 : 0  
 „ Satin Walnut, finished Walnut or Mahogany £12 : 14 : 0

No. 2288w.

### Roll Top Desk.

Automatic Locking Action. Satin Walnut Pigeon-hole Interiors. Top Drawer in Pedestal fitted with Movable Partitions.



36 in. wide, 27 in. deep, 47 in. high.

As illustrated, in Fumed Oak ... £4 : 19 : 6  
 In Satin Walnut, finished Walnut or Mahogany ... £5 : 10 : 6

No. 2289w. As above, but 42 in. wide.

In Fumed Oak ... £5 : 10 : 0  
 „ Satin Walnut, finished Walnut or Mahogany ... £5 : 19 : 6

No. 2290w. As above, but 36 in. wide, 30½ in. deep, 47 in. high.

In Fumed Oak ... £6 : 10 : 6  
 „ Satin Walnut, finished Walnut or Mahogany ... £7 : 5 : 0  
 (As Illustration.)



No. 2291w.

### Roll Top Desk.

Automatic Locking Action. Satin Walnut Pigeon-hole Interior. Top Drawer in each Pedestal fitted with Movable Partitions.

50 in. wide, 29 in. deep, 47 in. high.

In Fumed Oak ... £7 : 7 : 0  
 „ Walnut, finished Walnut or Mahogany ... £8 : 2 : 0

No. 2292w. As above, but 55 in. wide.

In Fumed Oak ... £8 : 19 : 6  
 „ Walnut, finished Walnut or Mahogany ... £9 : 16 : 6

No. 2293w. As above, but 60 in. wide.

In Fumed Oak ... £10 : 15 : 0  
 „ Walnut, finished Walnut or Mahogany ... £11 : 12 : 0

All Carriage Forward.

Orders of 20/- and upwards Carriage Paid (with few exceptions).

## English-made Office Furniture.

**Flat Top Desk.** Drawers Locked Automatically from Centre Drawer, which is fitted with Lock.



No. 2294w.  
36 in. wide, 27 in. deep.  
In Fumed Oak, £3:6:9  
In Satin Walnut, finished  
Walnut or Mahogany,  
£3:12:6

No. 2295w.  
42 in. wide, 27 in. deep.  
In Fumed Oak, £3:19:6  
In Satin Walnut, finished  
Walnut or Mahogany,  
£4:6:0

No. 2296w.  
36 in. wide, 30½ in. deep.  
In Fumed Oak, £3:19:6  
In Satin Walnut, finished  
Walnut or Mahogany,  
£4:7:6



### Revolving Office Chair.

No. 2302w.



In Oak or Birch, finished  
Walnut or Mahogany.  
£1:3:6

### Office Stool.

No. 2303w.

In Birch, finished any  
colour; Seat and Back  
upholstered in American  
Cloth.

£1:7:9

No. 2304w.

Without Back.

£0:12:6

All Carriage  
Forward.

**Flat Top Desk.** Movable Partitions in Top Drawer of each Pedestal.



No. 2297w. 42 in. wide, 27 in. deep.  
In Fumed Oak ... £4:12:6  
" Satin Walnut, finished Walnut or Mahogany ... £5:1:0

No. 2298w. 48 in. wide, 27 in. deep.  
In Fumed Oak ... £4:18:6  
" Satin Walnut, finished Walnut or Mahogany ... £5:7:6

No. 2299w. 50 in. wide, 30½ in. deep.  
In Fumed Oak ... £5:7:6  
" Satin Walnut, finished Walnut or Mahogany ... £5:17:6

No. 2300w. 55 in. wide, 30½ in. deep.  
In Fumed Oak ... £6:6:0  
" Satin Walnut, finished Walnut or Mahogany ... £6:18:6

No. 2301w. 60 in. wide, 30½ in. deep.  
In Fumed Oak ... £7:3:0  
" Satin Walnut, finished Walnut or Mahogany ... £7:16:9

### Lined Top Writing Table.

Top lined Skiver; made in Oak, Walnut and Mahogany, same prices,  
No. 2305w.



3 ft. 6 in. wide ... £4:10:0  
4 ft. 0 in. " ... £4:17:6  
4 ft. 6 in. " ... £5:17:6

A large and varied Stock of Engineers' Tools and Motor Accessories.



## Telescopic Extension Ladders.

With all latest IMPROVEMENTS. As supplied to H.M. Government Offices, London County Council, etc. The Safest and Easiest Working Extension Ladder extant. Unequalled for Compactness, Rigidity, and Strength.

No Intricate Parts to get out of Order. Perfect Automatic Action. Works smoothly, without hitch, with the minimum of friction and noise. Lightness compatible with safety. Must be seen to be appreciated, illustration and printed description cannot do it justice. Invaluable as a Fire Escape.

Not intended for one kind of work, but for every one requiring an Efficient Ladder.

No. 2306W.

First Grade Material and British Workmanship. Clips, Best Iron Hand Forged, not cast malleable. Automatic Locks, each composed of Best Quality Solid Iron. The whole is the result of many years' practical experience, and the way this Ladder has been appreciated and approved of by Responsible Public Bodies, Institutions, and in all departments of Business and Private Life, is proof that it is **A PERFECT EXTENSION LADDER.**

### In Two Sections.

				Hardwood Rungs.
14 ft.	closes to	8 ft.	...	23/-
16 "	"	9 "	...	26/-
18 "	"	10 "	...	26/-
22 "	"	12 "	...	35/-
26 "	"	14 "	...	41/-
30 "	"	16 "	...	49/-
34 "	"	18 "	...	57/-
37 "	"	20 "	...	63/-
41 "	"	22 "	...	69/-
44 "	"	24 "	...	75/-

### In Three Sections.

				Hardwood Rungs.
20 ft.	closes to	8 ft.	...	40/-
26 "	"	10 "	...	50/-
30 "	"	11 "	...	60/-
32 "	"	12 "	...	66/-
36 "	"	14 "	...	80/-
42 "	"	16 "	...	96/-
48 "	"	18 "	...	112/-
53 "	"	20 "	...	130/-
58 "	"	22 "	...	150/-
64 "	"	24 "	...	170/-
70 "	"	26 "	...	192/-

## Patent Automatic Folding Platform Steps.

Invented after practical experimenting and exhaustive tests. Efficiency is proved by the remarkable demand that these have commanded during the short time they have been on the market. Adopted by all who wish to prevent accidents.

**SAFETY.**—Absolutely rigid when in use, the spacious platform allows the user to stand as comfortable as on the floor itself, and enables free use of both hands, the extended side and back supports act as guards.

**PORTABILITY.**—No heavier than ordinary steps, and they fold much more compactly, the back supports closing over the front, and the platform folds and opens automatically. This applies to both Single-back and Twin-back Patterns.

No. 2307W.

Height over all when folded.	Approximate Height to Platform when Open.	Enables Person of average Height to reach.	Price.
5 ft.	3 ft.	9 ft.	9/-
6 "	4 "	10 "	9/9
7 "	5 "	11 "	10/9
8 "	6 "	12 "	12/3
9 "	7 "	13 "	15/-
10 "	8 "	14 "	18/6
12 "	10 "	16 "	23/-
14 "	12 "	18 "	28/-
16 "	14 "	20 "	34/-
18 "	16 "	22 "	40/-



Open.

Closed.

Ladders on this page Carriage Forward.

**IMPORTANT TO THOSE ORDERING THROUGH SHIPPERS.**—In order to ensure getting complete satisfaction, we advise our friends to be careful in giving definite instructions that the goods shall be procured direct from our house. By this means they may be sure of receiving the pattern and quality specified in our Catalogues.

Established 1828.

Contractors to the Home, Indian, and Colonial Governments.

**Improved  
"Leanto" Ladders.**

No. 2308W.

Fitted with wide flat  
Treads, well bolted.

Height in Feet.	Price.
5	4/2 each.
6	5/- "
7	5/10 "
8	6/8 "
9	7/6 "
10	8/4 "
11	9/2 "
12	10/- "
13	10/10 "
14	11/8 "
15	12/6 "

Thick Felt Pad fixed on top cross-bar prevents injury  
to shelves, etc., 1/- extra.Rubber on feet, prevents slipping on polished floors,  
1/- extra.

Stained and Varnished, 10 per cent. extra.

If Treads of Hardwood, 10 per cent. extra.

If of all Hardwood, 20 per cent. extra.

If made in Oak and Fumed, 50 per cent. extra.

**Motor Car or  
Carriage  
Cleaning Ladder.**

No. 2309W.



7 8 9 10 ft.

9/- 10/- 11/- 12/- ea

Including thick Felt  
Padded Sides.**Braced-back House Steps.**

No. 2310W.

Light, strong, and folds compactly, well made of  
seasoned material, no Hinges to go wrong, wide flat  
Treads, well bolted.

Height	2	3	4	5	6	7	8	ft.
No. of Treads	3	4	5	6	7	8	9	10
Price	2/6	3/-	4/-	5/-	6/-	7/-	8/-	each.

Height	9	10	11	12	14	16	ft.
No. of Treads	11	12	13	14	17	19	
Price	9/-	10/-	11/-	12/-	16/-	19/-	each.

**Lattice Steps.**

No. 2311W.

Light, compact, rigid, and exceptionally strong.  
Wide flat Treads. Very comfortable.Deal recommended for Housemaids' use, others  
for Shop and General Use.**SIZES AND PRICES:**

Height closed. ft. in.	Height open. ft. in.	No. of Treads.	Deal.	Birch.	Oak.	Weight in Deal. lb.
1 10	1 9	2	3/6	4/7	5/3	5
2 9	2 7	3	4/6	5/7	6/6	7
3 8	3 5	4	5/6	7/7	9/-	9
4 7	4 3	5	6/6	8/7	10/-	11
5 6	5 1	6	7/6	9/11	11/6	13
6 7	5 11	7	8/6	11/1	12/9	15
7 6	6 9	8	9/9	12/2	15/3	18
8 5	7 7	9	11/6	15/8	18/-	21
9 4	8 5 1/2	10	13/9	18/10	21/9	24

10 1/2 in. between Treads.

Varnishing (best quality only), -7/5 per Tread extra.

**Small Fixed Steps.**

No. 2313W.

Handy for use behind Shop Counters, or for reaching Gas and  
Electric Lights.

Height	1 1/2	2	2 1/2	3	4 ft.
Price	4/6	5/-	5/6	6/-	6/6 each.

If Varnished, 10 per cent. extra.

**Hardwood Double  
Steps.**

No. 2312W.

With Folding Top Platform, Wide Treads,  
Strong Hinges.

Height to Platform when open. ft. in.	Straight Sides.	Shaped Sides as illustrated.	Varn- ished. Extra.
2 6	7/6	9/-	1/6
3 3	9/-	10/6	1/9
4 0	11/-	12/6	2/-
4 9	13/-	14/6	2/3
5 3	15/-	17/-	2/6
6 0	17/-	19/-	3/-

**Bronze Medal, 1884. — Gold Medal, 1890.**



## New Collapsible Ladders in Steel and Wood.



No. 2314W.

### In Two Sections. Wood.

Sizes, from 6 ft. fully extended to 22 ft. fully extended—viz., 6 ft., 7 ft., 8 ft., 9 ft., and so on, 1/- per foot; if varnished, 1½d. per foot extra.

### In Three Sections. Wood.

Sizes, from 10 ft. fully extended to 32 ft. fully extended—viz., 10 ft., 12 ft., 14 ft., 16 ft., and so on, 1/5 per foot; if Rungs Hardwood, 1/6½ per foot; if varnished, 2d. per foot extra.

The above prices are for actual height when extended, the length in overlap of sections is not charged for.



No. 2315W.

### Window Cleaners' Ladders.

Fitted with Improved Grooved Block at Top.

Sizes,

6 ft., 7 ft., 8 ft., and so on to 18 ft.

Including Hardwood Rungs, Price 1/- per foot.

Or if in 2 sections and socketed, 4d. per foot extra.

Best material and workmanship.



Old Style.

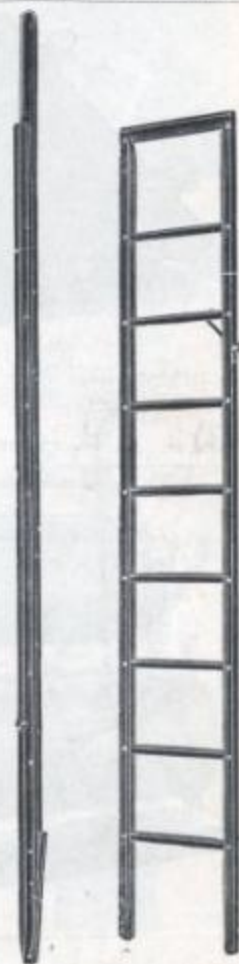
No. 2316W.



New Style.

Ladders shown in accompanying sketches are highly recommended.

They are extremely strong and light, and take up little room when not in use. Being made of Galvanized Steel, they are practically indestructible.



CLOSED.

OPEN.

Price as illustrated, Round Treads, 1/- per tread up to 10 ft. long, distance between treads 10 in. Extra, Spiked end ... 1/6 " Hooks at Top end 1/6 " Rubber Buffers at Top end 1/6 If with Flat Treads 1/4 trd.

### The Portable Copying Press.

For Travellers', Private Use, etc.

Simple in action, strongly made, well varnished and finished Boards.

Handle polished and nickel-plated.

Springs of best Steel.

Weight about 5½ lb.

Quarto Size.



No. 2317w. Open.



No. 2317w. Shut.

Price ... 10/- each.

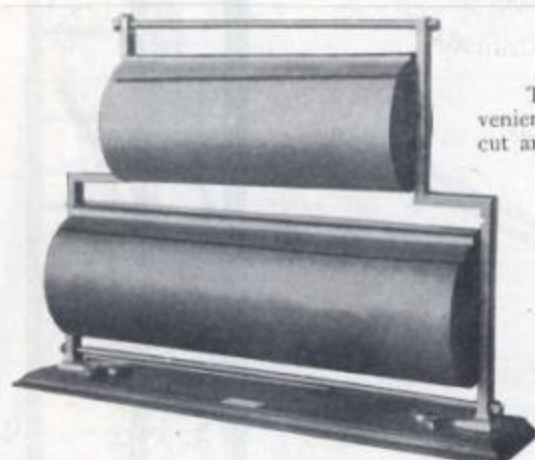


No. 2318w. As No. 2317w, but with Lock and Key.

Price ... 12/- each.

### Copy Press Books for above.

No. 2319w. Price ... 2/6 each.



### Paper Holders and Cutters.

These Holders are made to carry rolls of wrapping paper of convenient widths, and each roll is fitted, which allows the paper to be cut any desired length.

The Holders are strongly made, neatly finished and nickel-plated, and can readily be fixed on shop counters, below counters, or on any convenient fixture.

#### Double Holders.

No. 2320w. As Illustrated.

For 8 in. and 16 in. Reels	...	26/6 each.
" 16 " 22½ "	...	30/- "

#### Treble Holders.

No. 2321w.

For 8 in., 16 in., and 22½ in. Reels	...	37/6 each.
--------------------------------------	-----	------------

### Wrapping Paper to Suit the above Holders.

No. 2322w.	Strong Brown, to suit Holders 16 in. and 22½ in. wide	...	19/6 per cwt.
No. 2322½w.	Thin Gold-Brown, to suit Holders 8 in. wide	...	17/6 "
	Approximate Weight per Roll, 8 in. wide	...	9 lb.
"	" 16 "	...	11 "
"	" 22 "	...	17 "

### IMPORTANT TO THOSE ORDERING THROUGH SHIPPERS.

In order to ensure entire satisfaction, we advise our friends to be careful in giving definite instructions that the goods shall be procured **direct from our House**. By these means they may be sure of receiving the patterns and quality specified in our Catalogues.

**R. MELHUISH, Ltd., LONDON, E.C.**

**Orders of 20/- and upwards Carriage Paid (with few exceptions).**



## The Holborn Cork Puller.

No. 2323W.

The last word in Cork Pullers. Can be attached to sideboard, door-frame, or wall. Corks are drawn absolutely without effort. If desired, they may be partly drawn, to be afterwards removed by the finger. No broken corks or bits left in the bottle.



The Bottle is held in place as shown—handle down.



Raise the handle as shown and the screw automatically enters the cork.



Lower the handle and the cork is not only drawn, but also automatically discharged from the machine.

No. 1, as illustrated, 6/9 each. No. 2, with clamp, 8/- each.

### Compound Corkscrew.

### Lever

No. 2324W.



This pattern, by a simple and ingenious arrangement of levers, will draw a cork with a speed and ease not attainable by any other corkscrew.

Bronzed, 2/- each.

Nickel-Plated, 3/6 each.

No. 2325W.

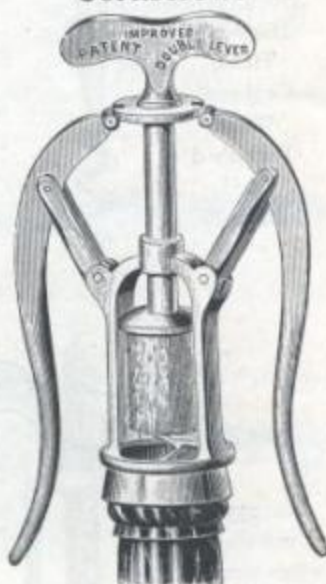


Finest Quality Corkscrew.

Price 1/-

Cheaper quality, -/8.

### Patent Double-Lever Corkscrew.



No. 2330W.

Extremely powerful in its action, which is that of a Double Lever with Direct Lift. The pressure being given equally on each side of the bottle-neck, greatly lessens the liability to breakage.

Bronzed ... 3/- each.  
Nickel-Plated ... 5/9 "

### Compound Lever Corkscrew.

No. 2326W.



Bronzed, Price 3/- each

Nickel-Plated, 5/9 each.

### Champagne Tap.



No. 2327W.

German Silver, 4/6 each.  
Other Patterns, 2/9, 3/6.

### Bottle Stoppers.



No. 2328W.  
Nickel-Plated, 1/9 each.



No. 2329W.  
Box-wood and Nickel-Plated, 1/6 each.

A large and varied Stock of Engineers' Tools and Motor Accessories.

# Best Quality Corkscrews. Warranted Worms.

No. 2331w.  
Iron Handle,  
Nickel-Plated.  
Price -/8  
  
Nickel-Plated,  
larger size,  
Price -/10



No. 2332w.  
Bronzed Bow.  
Price -/6  
  
Nickel-Plated  
Bow.  
Price -/9



No. 2333w.  
Original make, Lund's Lever.  
Bronzed Levers and Screws  
complete. Price 1/10 per set.  
  
No. 2333½w.  
Lund's Pattern. Price 1/6  
Screws only. Price -/10 each.



No. 2334w.  
Hardwood  
Head,  
Cyphered  
Worm,  
Burnished  
Steel.  
Price -/9

No. 2335w.  
Wood Head,  
Bright Shank,  
Fluted Worm.  
Price -/6



No. 2336w.  
Leather  
Covered  
Handle,  
Bronzed,  
Cyphered  
Worm.  
Price 1/-



No. 2337w.  
Unrivalled for  
wines in cradle.  
Hard Polished  
Brass.  
Price 5/6  
  
Nickel-Plated.  
Price 6/6



No. 2338w.  
Very Powerful.  
Wood Head,  
Bronzed.  
Price 3/9

Champagne  
Nippers.  
From 1/6 to  
3/6 per pair.



No. 2339w.  
Wood Head,  
Burnished,  
Plain Worm  
and Button.  
Price 1/-

Contractors to the Home, Indian, and Colonial Governments.



No. 2340w.

### Can Openers.



Bull's Head Pattern, Bronzed Iron, Best Steel Blade, put up in an attractive Show Box of half-dozen. Price 5/- per doz -/6 each.



The most successful Opener offered, will open at side or at top. Good Steel Blade. One dozen packed in a Cardboard Show Box.

No. 2341w. Iron handles, 3/6 per doz. ... -/4 each.  
" 2342w. Wood .. 4/3 .. -/4 1/2 "

### The "Peerless" Can Opener.

For both Round and Square Cans. The cutting blade is of best Cutlery Steel, well tempered and warranted. Finished in bright nickel, with double jappanned handle. Price -/7 each.



No. 2343w.



### The "Ladysmith" Can Opener.

No. 2344w.

Made of Best Warranted Hard and Tempered Steel with Polished Beechwood Handle, opens Cans with perfect ease. Price -/6 each.

### Knight's Pattern Can Opener.



No. 2345w.

Polished Wood Handle, Steel Blade. 4/6 per doz., -/5 each.

### Potato Knives.



No. 2346w.

Wood Handle, Nickel-Plated Blade. Price -/6 each.



No. 2347w. Two Edged Steel Blade, Nickel-Plated Guard, Polished Handle and Brass Ferrule. Price -/9 each.



No. 2348w.

Carved Wood Handle, Good Steel Blade. Price -/4 1/2 each.

### Bright London Choppers.



No. 2349w.

No. ...	1	2	3	4
Each ...	1/9	2/-	2/3	2/6

### Bright Solid Cast Steel Lamb Choppers.



No. 2350w.

8	9	10	11	12 in.
3/-	3/6	4/-	4/6	5/- each.

### Smithfield Butchers' Cleavers.



No. 2351w.

Bright Cast Steel, with Scale Tang.  
To 3 1/4 lb., 1/4 per lb.; over 3 1/4 lb., 1/2 per lb.

Bronze Medal, 1884.—Gold Medal, 1890.

## Food Choppers, etc.



No. 2352W.

Well adapted for ordinary household purposes. Tinned throughout with Pure Tin and fitted with Patent Notched Propeller.

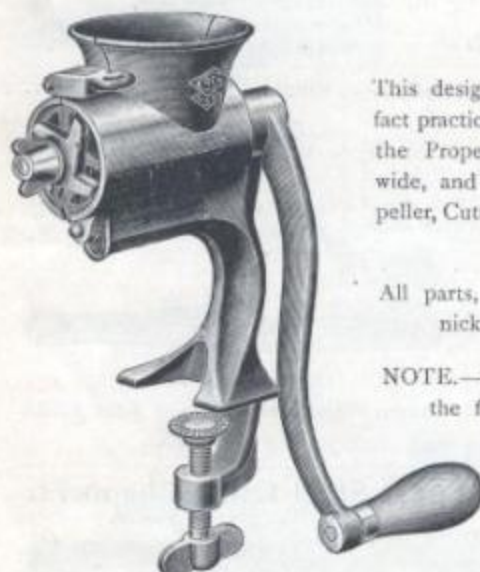
Chops 1 lb. per minute.	With 3-Discs	...	3/3 each.
" 2 lb. "	" 4 "	...	3/11 "
" 2 lb. "	" 5 "	...	4/6 "



No. 2353W. Improved pattern. Tinned throughout with PURE TIN, and fitted with Patent Notched Propeller. The four cutters illustrated above are sent out with each of these machines.



Chops 1 lb. per minute.	With 4 Discs	...	3/8 each.
" 2 lb. "	" 4 "	...	4/6 "
" 2 1/2 lb. "	" 4 "	...	5/- "

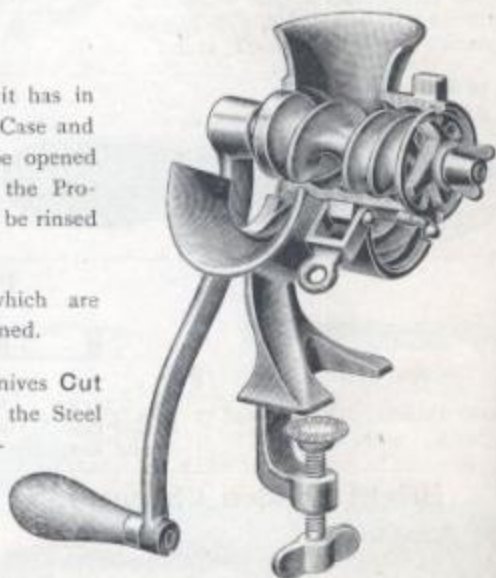


No. 2354W.

This design is extremely simple; it has in fact practically but two parts—the Case and the Propeller. The Case can be opened wide, and its interior, as well as the Propeller, Cutter, and Disc, may easily be rinsed and wiped.

All parts, except the Cutters, which are nickel-plated, are heavily tinned.

NOTE.—In these machines the knives Cut the food. Working against the Steel Disc they sharpen themselves, and so constantly preserve their edges.



Closed, ready for use.

Carriage or Postage Extra.

No. A.	Cuts 2 lb. of meat per minute	...	5/- each.
" B.	" 3 lb. "	...	6/- "
" C.	" 5 lb. "	...	9/6 "

No. 2355W.  
Mincing  
Knives.

6 in. wide.

Price  
1/3 each.Cheaper  
quality,  
-9, 1/-STANDARD QUALITY  
TOOLS, MACHINERY AND  
APPLIANCES.

Our Tools, etc., have a good reputation by reason of their quality, and our Prices are Right because they are in line with the Quality. Inferior Goods may be bought for less money—and for more money.

R. MELHUIH, Ltd., London.

No. 2356W.  
Mincing  
Knives.

6 in. wide.

Price  
1/3 each.Cheaper  
quality,  
-9, 1/-

Tool, Machine, and Hardware Merchants and Manufacturers.



# New Patent Knife Machine for Power.

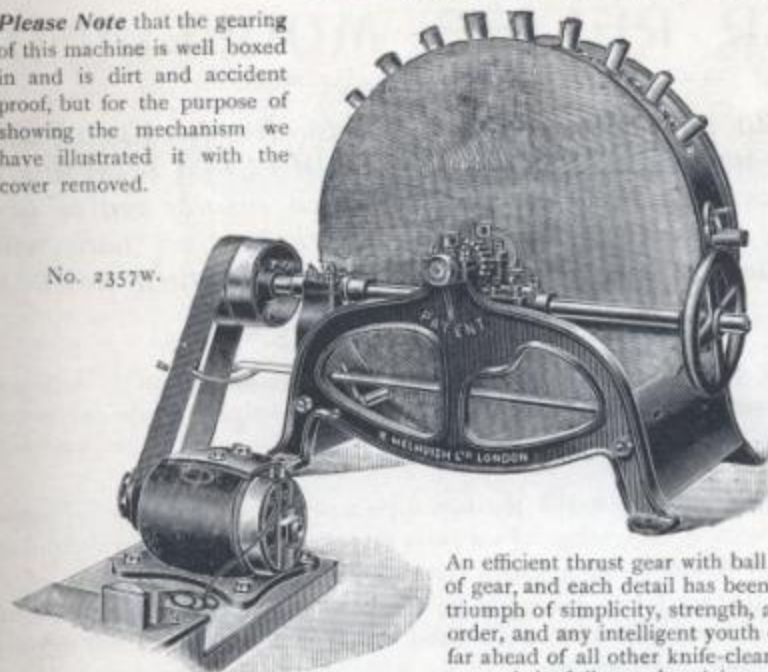
*Please Note* that the gearing of this machine is well boxed in and is dirt and accident proof, but for the purpose of showing the mechanism we have illustrated it with the cover removed.

*To be driven by Electric Motor as shown or other existing power.*

The above machine has been introduced to meet the requirements of Hotels, Clubs, Institutions, Steamships, etc., where large quantities of knives are in daily use. It will clean seven to eight hundred knives per hour with efficiency and at a trifling cost for power. The framework and gearing has been specially designed and constructed, and to the following points we would draw attention. The machine is fitted with Patent Self-Regulating Spring-Pressure Discs, giving an even pressure on the knives when in action; also the solid Rubber Buffer Stays give **protection to the handles of the knives**. The main shaft is fitted with fast and loose pulleys, and the principal bearings on main shaft are gun-metal. All bearings are oil retaining, the steel worm gear running in special dust-proof oil-bath.

An efficient thrust gear with ball bearings is provided for throwing in and out of gear, and each detail has been most carefully thought out. The machine is a triumph of simplicity, strength, and efficiency, there is nothing to get out of order, and any intelligent youth can use it. Strongly recommended as being far ahead of all other knife-cleaning machines. Arrangements may be made to see it in daily use by giving us short notice.

No. 2357w.



Size A—Price without motor, to clean 6 knives and carver, £14:14:0  
Space required for base, 33 x 20. Size of case for shipment, 26 x 28 x 23. Net weight, cwt. 1:1:14.  
Size B—Price without motor, to clean 9 knives and carver, £16:16:0  
Space required for base, 39 x 31. Size of case for shipment, 44 x 25 x 36. Net weight, cwt. 1:3:7.

*Carriage Forward.*

## Patent Self-Adjusting Spindle Knife Machine.

These machines are of the highest class workmanship and are provided with a simple and effective invention whereby the desired and correct adjustment between the cleaning discs is automatically maintained. They are also furnished with **Patent Solid Rubber Buffer Stays** for giving **protection to the handles of the knives**.

PRICE:

No. 2358w. Low stands as illustrated—

No.	9	8	7	5	4	3	2
Takes knives including carver	3	4	5	6	7	8	9
Price each	35/-	50/-	70/6	102/-	120/6	137/6	157/6

No. 2359w. High stands—

No.	9	8	6	5	4	3	2
Takes knives including carver	3	4	5	6	7	8	9
Price each	44/-	58/6	87/6	118/-	137/6	168/-	175/-

No. 2359½w.—Special Pattern Machine for cleaning 2 knives and carver (Warranted), price 19/6

*Carriage Forward.*

**Orders of 20/- and upwards Carriage Paid (with few exceptions).**





# THE NEW PEWTER RELIEF MODELLING.



**T**HOSE with an inclination for Artistic Handicrafts should find the new PEWTER RELIEF MODELLING exceedingly interesting, as with little practice effective results can be obtained. The illustration of a Hand-Mirror given here will convey an idea of this new Pewter Modelling when finished.

## GENERAL INSTRUCTIONS.

PEWTER RELIEF MODELLING is made very easy for the amateur, as all the woodware articles for ornamentation are supplied with a sheet of metal ready designed with an artistic and suitable pattern to commence upon. The metal supplied is also, with regard to toughness and pliability, just right for the purpose.

When commencing, place the Pewter Metal on a piece of linoleum and trace the design with a Scribe or Outlining Tool, using not too heavy pressure. Then place the Metal face downwards on a glass slab, and draw a second line on the inside of the design.

To bring the design into relief place the metal face downwards on Linoleum or Felt, according to the relief required, and carefully press down the metal at the parts which are to stand sharply in relief. In the case of veins of leaves, etc., a single line only is necessary, and this done from the back with a Modelling Iron will give sufficient relief.

During the process of bringing the design into relief as just mentioned, the broad finishing tool should be used freely on the background to keep the work flat, and also when the relief work is finished the background must be smoothed out. This should always be done on the face of the metal with the glass slab beneath.

The next step is to colour the Pewter with "Patina." The metal must be well cleaned with benzoline and special preparation applied to remove grease. Patina colour is then applied with a brush all over the design and left for a few minutes. The superfluous colouring can be removed by gently dabbing, and the metal should be left until quite dry.

The work should then be buffed up with Burnishing Material, using plenty of the powder. The article is then again well cleaned with benzoline and a final polish with a chamois leather will complete the process.

Where Coloured Stones are introduced into the design, the holes should now be punched through and the design cut out, care being taken to leave sufficient edge all round for nailing on the wood. Before nailing down, the hollow places on the back should be filled with the Ivory Filling Powder supplied for the purpose, which must be used in a very soft paste.



No. 2360w. Pewter Relief Modelling Practice Panels, -/9 each.

**NOTE.**—This section of our Catalogue contains the leading lines in Woodworkers' Tools, Machinery and Accessories. Other sections, embracing a great variety of Engineers' Tools, Appliances, Machines, Electrical Goods, Motor Tools, Horticultural and Estate Agents' Requirements, Building, and Furnishing Ironmongery, etc., etc., will be posted on application.

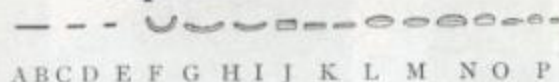
We are always pleased to receive enquiries from, and submit special quotations to, our friends abroad.—RICHARD MELHUISH, LTD., London, E.C.

**A large and varied Stock of Engineers' Tools and Motor Accessories.**



## Repoussé Tools.

No. 2361w. Tracing Tools.



—/6 each.

No. 2362w.  
Solid Brass.



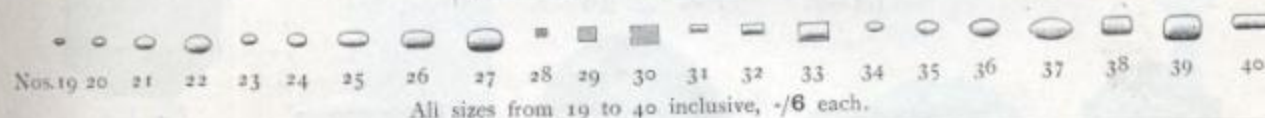
Raising Tools.



Price ... —/6 each up to No. 17; No. 18, —/9 each.

## Steel Raising Tools.

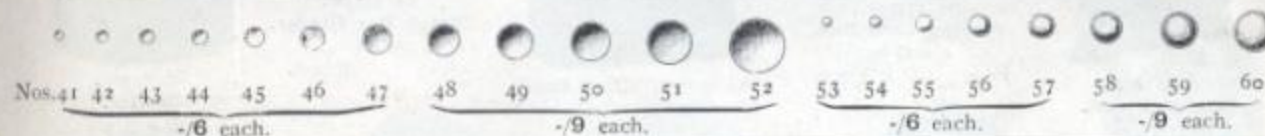
No. 2363w.



All sizes from 19 to 40 inclusive, —/6 each.

No. 2364w.

## Ring Tool and Pearls.



—/6 each.

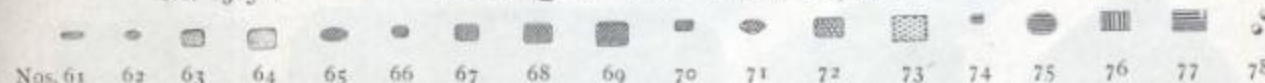
—/9 each.

—/6 each.

—/9 each.

No. 2365w.

## Matting or Grounding Tools.



Nos. 61 to 77, 1/- each; Punches No. 78 as illustrated, 1/- each; sizes larger or smaller, same price.

## Repoussé Hammers.

No. 2366w.



Bright Cast Steel. Nickel-plated.  
1 1/8 in. across face.  
2/3 2/7 2/9 each.

With Lancewood Handles as illustrated.

No. 2367w. Second Quality, 1/9, 2/-, 2/3 each.

Burnishers ...	each —/7 and —/10	Sheet Brass, 12 in. wide, any length cut from the roll	per lb. 1/6
Blow Lamps for removing cement ...	each 5/-	Sheet Copper, smooth hard rolled ...	2/-
Cement ...	per lb. 1/-	Brass, cut to size from selected sheets (48 x 24) ..	1/9
Pitch ...	—/5	Copper, soft sheet ...	2/-
Box Mallets ...	each 1/-	Silver, annealed and faced ...	per ounce 3/6
Sand Bags ...	from .. 2/-	Books on Repoussé Work from 1/- each.	

Contractors to the Home, Indian, and Colonial Governments.

PEWTER RELIEF MODELLING.



No. 2368W.  
Cabinet Frame.  
12 x 6½ in.  
Price ... 3/6 each.



No. 2369W.  
Door Protector.  
11 x 3½ in.  
Price 1/3 each.



No. 2370W.  
Cabinet Frame.  
7½ x 13½ in.  
Price ... 3/9 each.



No. 2371W.  
Match Holder.  
4 in. high.  
Price 1/9 each.



No. 2372W.  
Serviette Ring.  
2½ x 1½ in.  
Price 1/- each.



No. 2373W.  
Cabinet Frame.  
8 x 10 in.  
Price ... 3/9 each.



No. 2374W.  
Watch Stand.  
4 x 7½ in.  
Price ... 2/- each.



No. 2575W.  
Playing Card Box.  
4 x 2½ in.  
Price ... 1/9 each.



No. 2376W. Clock Case.  
Complete with reliable Clock.  
2 in. Dial.  
6½ x 4½ in. Price 5/3 each



No. 2377W.  
Match Box Holder.  
1½ x 2½ in.  
Price ... 1/9 each.



No. 2378W.  
Blotter.  
3½ x 3½ in.  
Price 2/4 each.



No. 2379W.  
Blotter.  
6½ x 3 in.  
Price ... 1/10 each.



No. 2380W. Ash Tray.  
5½ x 1½ in. Price 2/9 each.



No. 2381W. Belt Clasp.  
3½ in.  
Price ... 1/6 each.



No. 2382W. Glass Tray.  
12 x 4½ in.  
Price ... 2/9 each.



No. 2383W. Belt Clasp.  
3½ in.  
Price ... 1/6 each.



No. 2384W. Pipe Rack.  
12 x 6 in. Price 2/6 each.



No. 2385W. Pencil Box.  
9 x 2½ x 1½ in. Price 1/10 each.



No. 2386W. Box (with Lock).  
9½ x 6½ x 4 in. Price 5/11 each.



No. 2387W. Cabinet Frame.  
10½ x 8½ in. Price 3/9 each.

Bronze Medal, 1884.—Gold Medal, 1890.



PEWTER RELIEF MODELLING.



No. 2388w. Cigarette Box.  
6½ × 4½ × 3½ in.  
Price ... 4/9 each.



No. 2389w. Letter Rack.  
7½ × 4 × 2½ in.  
Price ... 1/3 each.



No. 2390w. Inkstand.  
4½ × 4½ × 3½ in.  
Price ... 3/6 each.



No. 2391w. Box.  
7½ × 5½ × 2½ in.  
Price ... 3/9 each.



No. 2392w. Hand-Glass.  
13½ × 6 in.  
Price... 5/3 each.



No. 2393w. Hanging Letter Rack.  
9½ × 5 in.  
Price ... 2/- each.



No. 2394w. Inkstand.  
6½ × 5 × 2½ in.  
Price ... 3/3 each.



No. 2396w. Pin Cushion.  
3 in.  
Price ... 1/6 each.



No. 2398w. Hand Mirror.  
11½ × 4½ in.  
Price ... 3/9 each.



No. 2395w. Tooth Powder Box (Glass).  
4 × 2 in.  
Price ... 1/10 each.



No. 2397w. Flower Bowl.  
5½ in.  
Price ... 3/- each.



No. 2403w. Trinket Box.  
3½ × 3½ in.  
Price ... 2/3 each.



No. 2399w. Puff Box (Glass).  
3 in.  
Price ... 1/6 each.



No. 2400w.



No. 2401w. Hat Pins (½ size).



No. 2402w.

Price ... 6/6 per doz.



No. 2404w. Photo Frame.  
8½ × 10½ in.  
Price ... 3/9 each.



No. 2405w. Calendar (Perpetual).  
9 × 6 in.  
Price ... 2/9 each.



No. 2406w. Cabinet Frame.  
9½ × 6½ in.  
Price ... 2/9 each.



No. 2407w. Clock and Case, 3 in. Dial.  
6½ × 9 in.  
Price ... 8/6 each.



## "Primus" Stoves and Accessories.

### Collapsible Patterns.



No. 2408W. 1 pint (Roarer) 9/- each.  
 „ 2409W. 1 „ (Silent) 9/3 „  
 „ 2410W. 2½ „ (Roarer) 11/6 „  
 „ 2411W. 2½ „ (Silent) 11/6 „  
 (Prices are without Top Ring.)



No. 2412W. Special Pattern Burner, which can be made either Silent or Roarer. Complete with Silencer, Burner Hole Cover, and Top Ring. 9/6 each.



The "Primus" Holdfast Board.

No. 2413W.  
 1/6 each. Securely holds Primus Nos. 2422W or 2429W. Can be screwed to Deck or Table.

### The "Primus" Yachting Top Ring.

2413½W.  
 1/- each. For clipping on to legs of Primus. One side of ring grips 7 in. Kettle, the other side being for 8½ in. Frypan or Kettle.



### The New Pocket "Primus" Outfit.

No. 2414W.  
 Invaluable for Cyclists, Scouts, Motorists, etc. Size 5½ in. x 4½ in. x 2½ in. Stove complete with Tin Box and Spirit Can, 10/6 each.

### The "Compact" Primus Outfit.



Size.	For Primus No.	Dimensions.	Price
No. 1.	2409W, 2410W	(7½ x 6 x 4 in.)	5/- Without
No. 3.	2410W, 2411W	(9½ x 7½ x 4½ in.)	6/- Stove.

### "Compact" Outfits complete with "Primus."

Nos.	2408W.	2409W.	2410W.	2411W.
Price	14/-	14/6	17/-	17/- each.

No. 2415W.  
 A Handy Outfit, consisting of—Tin Box, Oil and Spirit Cans, Wind Shield, Box of Reserve Parts, Swab, and Space for a Collapsible Primus. Suitable for Yachting, Camping, etc.



### The "Primus" Yachting Gimbol.

No. 2416W. Made of Galvanized Cast Iron and is collapsible. Can be fixed either to Deck, Table, Floor, or Cabin wall. Price 7/6 each.



### "Primus" Iron-Heaters.

Will keep Irons at uniform heat for all kinds of Ironing.  
 No. 2417W. For 3 Irons (not on Stand), 2/6 each.  
 No. 2418W. For 3 Irons (on Stand), 5/6 each.  
 No. 2419W. For 4 Irons (on Stand), 6/6 each.



### The New "Primus" Tea and Luncheon Basket.

(Fitted for 4 Persons.)

No. 2420W.

All Fittings are of the best quality, the Kettle being of Polished Copper. Basket fitted with the New Pocket Primus Outfit.

Price complete, £5 17 6  
 Size 16 in. x 12 in. x 10 in.



### "Primus" Toaster.

No. 2421W.  
 The four sides are available for Toasting, while the top may be used for Boiling at the same time. Price 1/- each.

Orders of 20/- and upwards Carriage Paid (with few exceptions).



# THE GENUINE "Primus" Wickless Paraffin Cooking Stoves.



No. 2422w. Junior, 2½ pint (Roarer), 9/- each.  
No. 2423w. Junior, 2½ pint (Silent), 9/3 each.



No. 2424w. Senior, 2½ pint (Roarer), 9/9 each.  
No. 2425w. Senior, 2½ pint (Silent), 9/11 each.



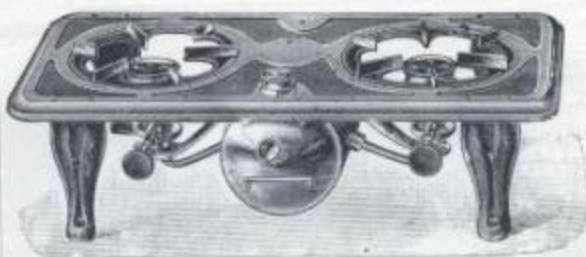
No. 2426w. 1½ pints (Roarer), 8/6 each.  
No. 2427w. 2½ pints (Roarer), 10/6 each.  
(Original Patterns.)



No. 2428w. 1½ pints (Silent), 8/6 each.  
No. 2429w. 2½ pints (Silent), 10/6 each.  
(Original Patterns.)



No. 2430w. 1 pint (Roarer), 7/6 each.



Important Pattern.

## "Primus" Duplex Range.

No. 2432w. Made of Stamped Steel Plate, Brass Tank. 20 in. long x 9½ in. wide x 5½ in. high. Weight 7½ lbs. 26/9 each. Galvanized, 1/6 extra. Fitted with Brass Top, Rails, and Pillars, 4/-.

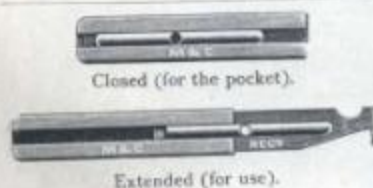
No. 2431w. 1 pint (Silent), 7/9 each.

The above range is fitted with 2 "Primus" Roarer Burners, the paraffin being supplied from a central 3½ pint tank. Each burner has a regulating valve and either flame can be regulated or extinguished separately.



Extra Large Sizes.

No. 2433w. 4 pints (Roarer), 18/3 each.  
" 2434w. 6½ " " 38/3 "  
" 2435w. 5½ " (Silent), 36/3 "



Closed (for the pocket).

Extended (for use).

## "Primus" Pocket Cleaning Needle (regd.).

The Sheath is the size of ordinary Pocket Knife and contains sliding needle, which can be easily withdrawn and replaced when worn out.

No. 2436w. 2/6 dozen (each needle has 3 refills).

(Extra refills, 1/6 dozen packets of 3.)



## "Primus" Range.

No. 2437w. Made of well-finished Cast Iron. The centre opening is for boiling and the two end ones for simmering. Size 26½ in. x 9½ in. x 9 in. Collapsible. Price 11/3 each.  
(Without Stove or utensils.)

Aluminium Kettle ... 3/9  
" Stewpan ... 2/6



## Boxes of Reserve Parts.

Consisting of Tin Box containing Nipples, Nipple Key, Needles, Washers, etc.

Box L. For Roarer Patterns ... 1/9 each.  
" M. " Silent " ... 1/3 "  
" K. " No. 2408 Primus ... 1/9 "  
" P. " " 2409 " ... 1/3 "

A large and varied Stock of Engineers' Tools and Motor Accessories.

# "Primus" Hestia Cooking Ovens, Etc.

New and Improved Patterns.



Hestia (Regd.)  
for use with  
No. 2434w.

A practical Oven for small family and very suitable as a breakfast oven. Inside measure 10½ in. deep, 8½ in. high, 9½ wide.  
No. 2438w. Price 14/6 each (with baking pan).

Galvanized Ovens can  
be made to order.



"Hestia" for use  
with Nos. 2424w  
and 2429w.

Will cook a complete dinner for six persons. Vessels can be kept boiling on top, while baking generally inside. Plate warmer at side. Inside measure 12½ in. deep, 10½ in. high, 13 in. wide.

No. 2440w. Price 26/6 each (with baking pan).

"Hestia" specially suitable for yachting or draughty places. The door, back, and side of oven are jacketed and packed with special heatretaining material.

No. 2440½w. Price 30/6 (with baking pan).

The present construction of these Ovens is the outcome of many years' experience. Strongly recommended and thoroughly efficient.

There are NO BETTER OVENS on the market for use with "Primus" Stoves.

Will bake bread, roast and do all kinds of cooking.

Made of stout Sheet Iron, Japanned Black.

No Cooking Utensils or Stoves are  
included in the prices.



No. 2439w.

"Primus" Tripod Stand.

Three utensils may be boiled at one time. Can also be used for heating irons. Made of well-finished cast iron.

Price 5/3 each, without stove or utensils.



DOUBLE "HESTIA" N° 6

REGD

No. 2441w.

For use with two No. 2425w Stoves.

This Oven has been specially constructed for large families on the same principle as No. 2424w, excepting that two stoves are necessary (one at each end), the plate warmer being at the bottom. There are 3 pot holes at top, and several vessels can be kept boiling. Inside measurements 15 in. deep, 12½ in. high, 18 in. long.

Price 45/- (with baking pan 17 in. x 12 in.).

Contractors to the Home, Indian, and Colonial Governments.



## "PYRSOS" STOVES AND ACCESSORIES.

A New System of Paraffin Oil Pressure-Gas Stove.—PATENTED.

POWERFUL AND RAPID BOILING, COOKING AND HEATING STOVE,  
WITHOUT A WICK.

Length 16½ in. Width 12½ in. Height 4½ in.

Prices of Complete Stoves:

Black Cast Iron "Pyrsos" ... ..	£1 : 8 : 0
Nickel-Plated or Enamelled "Pyrsos" (a very nice, decorative and rich Stove) ... ..	1 : 15 : 0
Aluminium "Pyrsos" (very light and elegant) ... ..	3 : 10 : 0
Polished Brass "Pyrsos" (highly decorative) ... ..	4 : 4 : 0

NOTE.—In these prices of complete stoves are included  
Wrought-Iron Tray and Automatic Can.

"Pyrsos" Stove. No. 2442W.



Automatic  
Can.

No. 2443W.



Only 1/6

Yachting "Pyrsos." No. 2444W.

This stove is especially designed  
for yachts, barges, boats, etc., in  
order to obviate any fear of its  
moving during use, even in the  
roughest weather. As shown in  
figure, the top plate of the Yachting  
"Pyrsos" is provided with a  
cast iron frame on which three  
movable uprights are fastened by  
means of wing-screws.



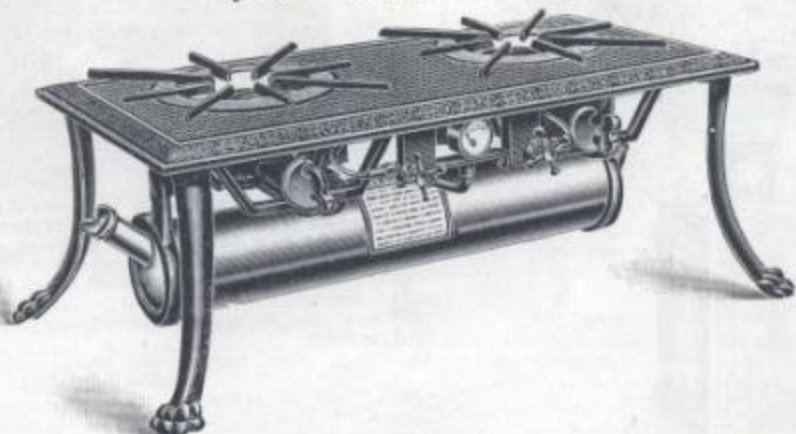
PRICES:

Complete Black Cast Iron Stove  
with Safety-frame, £1 : 18 : 0

Complete Nickel-Plated Stove with  
Safety-frame, £2 : 16 : 0

Complete Stove in Polished Brass  
with Safety-frame, £4 : 15 : 0

"Pyrsos" Stove. No. 2445W.



Price, £2 : 7 : 6

NOTE.—In this  
price of "Pyrsos"  
Stove are  
included Wrought-  
Iron Tray and  
Automatic Can.

Dimensions:

Length 25 in.

Width 13 in.

Height 11 in.

Two independent  
Hearths.

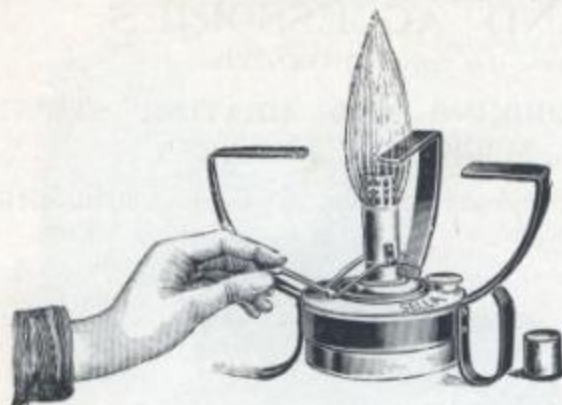
Please ask for Cutlery and Aluminium Illustrated Catalogues.

Melhuish's Sheffield Cutlery is known throughout the World for its Quality.

Bronze Medal, 1884.—Gold Medal, 1890.

## METHYLATED SPIRIT STOVES.

Complete List on application.



No. 2446w.

Very powerful Stove with practical press-button regulator, burner screwed into basin. Seamless polished brass basin with filling screw, black iron stand.

	1	2	3
Basin	2½	3½	4 in. diam.
	2/-	3/3	4/- each.



No. 2448w.

The "Conical" Stove system, long burner with brass screw cap and stand, with brass pillars. Stove to pack in Saucepan.

	0	1	2
Tin At quality, capacity	½	1	1½ pints.
	1/6	1/9	2/- each.
Tin extra heavy	3/-	3/3	3/6 "
Nickelled Brass, beautifully finished	6/6	7/6	8/9 "

Candle

Lantern.



No. 2450w.

Superior quality, with glasses. Special strong line, riveted throughout with copper rivets.

10 in. x 4 in., 1/6 each.



No. 2447w.

Extra heavy, large size Rechaud very powerful flame, fitted with brass burner and cap, regulator, filling screw and detachable iron plate.

4½ in. diam.	...	...	...	2/9 each.
5½ in. diam.	...	...	...	3/6 "

## The "Primus" Stove Oven. No. 2449w.



The "Primus" Stove Nos. 2422w or 2429w and a "Duck" Oven will cook a complete dinner for ten persons at a cost of about 1½d. for oil.

It will roast meat, bake pastry or puddings, cook vegetables and heat water in copper boiler all in one operation.

The "Duck" Ovens are strongly made of best sheet Iron, Japanned black, and are very light and portable.

The "Duck" Oven, No. 2449w, including Copper Boiler, Pan and Grid, price 32/6 Without Boiler ... .. 19/6

The "Duck" Oven, complete with utensils and "Primus" Oil Stove and shelf as illustrated:

"Duck" Oven, No. 2449w	...	...	...	£1 12 6
3-pint Kettle, Best Tin, Size A	...	...	...	0 2 3
3-pint Saucepan	...	...	...	0 2 3
Steamer	...	...	...	0 2 0
Baking Plate	...	...	...	0 0 4
"Primus" Oil Stove Nos. 2422w or 2429w	...	...	...	0 10 6
Special Shelf No. 71, for use with "Primus" Oil Stove	...	...	...	0 1 9
Total	...	...	...	2 11 7

Tool, Machine, and Hardware Merchants and Manufacturers.



## The Celebrated Carbotron Stoves and Fuel.

The very Stove for the Motor House. The only Pattern which meets with the Approval of Fire Insurances.

There is no danger of sparks flying out and causing disastrous fires, such as are constantly occurring.

They can be moved about whilst alight and placed upon wood floors or carpets without any risk of damage or fire.

Their heat can easily be regulated, and they can be transferred from one part of the room to another at any moment without leaving any dust or dirt where they have stood, the feet of the Stoves being quite cool.

All the heat from the Stoves goes into the rooms and not the greater part up the chimney, as in open coal fires; this is an important fact.

They are also specially suitable and are largely used for heating Motor Houses, Garages, etc., for as the fire is not exposed, and owing to the entire absence of flame, there is no danger, with ordinary care, of petrol catching fire and exploding. This cannot be claimed for any other kind of Stove, and we therefore confidently recommend them to all owners of Motor Cars, for preventing damage by frost.

When once lighted, the Stoves require no further attention from six to twelve hours, according to the regulation of the ventilators, as the Carbotron burns slowly and evenly.

They can be placed in Entrance Halls, Corridors, Offices, Shops, Warehouses, Hothouses, Coach-houses, etc., in fact in all kinds of rooms, even where there is no chimney or flue, and are specially adapted for Motor Houses, to prevent freezing.

When placed in Lavatories, etc., in winter they will prevent water pipes and fittings from freezing and bursting, and thus save great expense and inconvenience, as is so often experienced in our changeable climate.

These Stoves and their fuel cause no dust, leave no cinders, and do not want cleaning out daily like ordinary fire-places, thereby greatly economising time and material.

The pan containing water at the top of the Stove is for the purpose of keeping the air moist, and this is invaluable for throat and chest affections, when, with the addition of a little Eucalyptus Oil, etc., the action of the steam will greatly relieve the sufferers.

### The Midget.

Plain Cast-iron Top, no Water Basin.

Size 2 ft. by 6½ in.

No. 2451w.



Price 17/-

Approximate Heating Power, up to 1,000 cubic feet.

### Modern Stove.

Plain Cast-iron Top, no Water Basin. No. 2452w.

Specially suitable for Heating Motor Houses, Garages, etc.

Size: 2 ft. 3 in. by 8 in.



These Stoves will be found of great value, as they give out a good heat, and there is no danger, with ordinary care, of the petrol vapour catching fire or exploding.

Approximate Heating Power, up to 1,200 cubic feet.

SOLD IN THOUSANDS.

Price ... .. £1 : 0 : 0 each.

With Plated Top and Water Basin, 7/- extra.

### Marathon Stove.

Plain Cast-iron Top, no Water Basin. Size 2 ft. 11 in. by 10 in.

No. 2453w.



Price £1 : 8 : 6 each. Heating Power, 3,500 cubic feet.

Carbotron is a chemical compound which in burning gives off neither smoke, smell, nor fumes, develops a great amount of heat, and burns with very little draught.

The Fuel can also be had in One Cwt. boxes with the Carbotron cylinders packed side by side, by hand, at the works, thus avoiding broken pieces, and being much cleaner to handle and store.

Quantities of at least 20 bags or boxes at a time, equal to one ton, are delivered carriage paid to any part of the United Kingdom.

Price 15/- per Bag containing One Cwt., packing free.

Price 15/9 in Box, not returnable.

Stoves in quantities of at least 12 are sent Carriage Paid, less quantities Carriage Forward.

Orders of 20/- and upwards Carriage Paid (with few exceptions).

Where the approximate heating power of the Stoves is given it is understood to be in rooms having doors, windows, and flues only.

Packing for Stoves charged extra, but allowed if returned carriage paid and in good condition within fourteen days.

In Shops with outer doors opening continually, and for Conservatories and other Glass Houses the heating power will be less in proportion.

On account of their great convenience and portability, these Stoves are extremely useful for many purposes; amongst them we may mention the heating of Entrance Halls, Corridors, Shops, Rooms, Motor Houses, Greenhouses, etc., as, if necessary, they can be carried about from place to place whilst burning.

## Sand-Papering Machines.

No. 2454W.

With this machine the straight faces of articles which are difficult to plane or smooth up by hand can be rapidly finished off with a smooth surface.

Owing to its high speed everything is of the best quality; the discs are of high-class iron truly turned and balanced, the gun-metal bearings are of good length, the standard is of massive design with a good base area, which ensures steady running, and the method of fastening the sand paper on is most simple; when worn, the paper can be replaced in about a minute.

The loose pulley is gun-metal bushed, and the belt striking gear is most conveniently placed.

Machine as illustrated, with 41 in. discs, fast and loose pulleys, and belt shifter complete, £18 : 10 : 0.

Other sizes will be quoted for on application.

## Glass Paper and Emery Cloth.



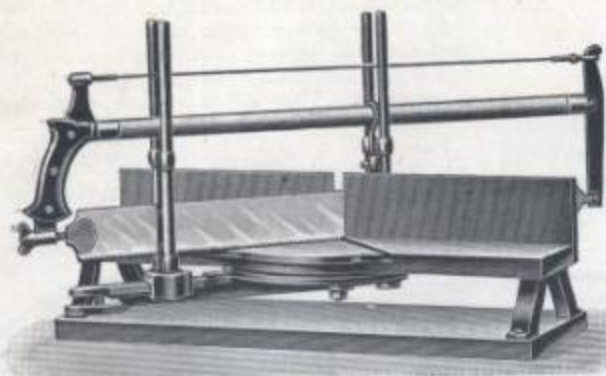
Atlas Brand.

		Per quire, 24 sheets.	Per ream 48 quires.
No. 2455W.	"Atlas" Improved Cabinet Glass Paper, good strong quality, tough and flexible	-/8	11/-
" 2456W.	Oakey's Cabinet Glass Paper	-/9	13/6
" 2457W.	Oakey's Emery Cloth	1/10	25/-
" 2458W.	Blue Twilled "Atlas" Emery Cloth, extra strong "Flexible," stamped name and trade mark in black; specially made for Engineers, Cycle and Sewing Machine Makers; most suitable for use in strips and all those purposes where great strength, durability, and perfect flexibility are required	3/-	44/-
" 2459W.	Carborundum Cloth, sheets 11 x 9 in., Nos. 2, 1 1/2, 1	3/9	—
" 2460W.	" " " Single Sheet, -/2 " 1/2, FFF, FF, F	3/3	—

A large and varied Stock of Engineers' Tools and Motor Accessories.



**Improved Mitre Box.** No. 2461W.



**Longitudinal Gauge** with Adjustable Jaws for cutting cornices or mouldings of the same length.

For picture-frame makers, joiners, cabinet-makers, etc., etc.

For accuracy of construction, exactness of cut, easy handling and great durability, they are far superior to most patterns now on the market.

The new Bow Saw, with Stay consisting of a **Steel Tube**, is handier than an ordinary back saw and lighter than a wooden frame. It also

allows what is an important point for accurate cutting—viz. the tightening up of the Saw Blade to a greater degree than is possible in other saws. The blade is steadied by 2 Adjustable Steel Guides. The bed of the Mitre Box is entirely of Iron, and the Table has a wooden segment fitted in the cutting circle.

To take mouldings up to 5½ in. high x 4 in. wide. Approximate weight, 26 lb. Price complete, 43/6

Extra Saw Blades, 25½ in. long ... 1/9 each. Saw Guide



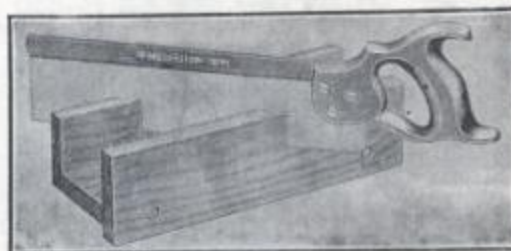
**Mitre Box.**

No. 2462W.

Set complete with 12 in. Warranted Back Saw.

This is a good, cheap, and useful combination for picture and other mouldings, amateurs' use, etc., etc. The Mitre Box is made of hard wood with mitre and straight cuts. It is 12 in. long, 2½ in. wide, and 2½ in. high inside.

Price ... 5/6 per set.  
Packed in Paper Box. Weight 3½ lb.



**Improved Marking Gauge.** No. 2463W.

Marked in Centimetres and Millimetres. No knocking of the Gauge is necessary to adjust it. By simply releasing the counter-sunk brass set-screw, which works on a small brass plate, the Gauge can be adjusted instantly. The head is of lignum vitae and is extra large. The points are of fine steel and can be adjusted when worn.

Price ... 1/6 each.



**The "Atkins" Silver Steel Saws.** WITH PERFECTION HANDLE.

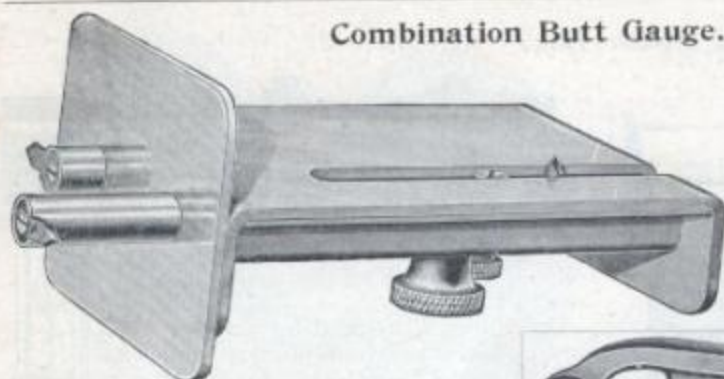
The Blades of these celebrated Saws are manufactured from a special fine tool steel capable of high temper and taking a keen cutting edge without crumbling. The Teeth hold their set longer and do more work without filing than other saws. The Blades are ground so carefully from teeth to back and from point to handle that they would not bind even if worked without set. Special attention is called to the forms of the Blade and the Handle, whereby the Saw conforms to and balances well in the grasp of the hand, and enables full cutting force to be given the entire length of the Blade.

No. 2464W.



Size 24 in. ... 5/9. 26 in. ... 6/-. 28 in. ... 6/9 each.

**Contractors to the Home Indian, and Colonial Governments.**


**Combination Butt Gauge.**

No. 2465W.

Specially designed for Door Hanging and Mortice Work. The Double Edge Spurs are carefully hardened, the one on the back end of the double-end bar is adjustable for the regulation of clearance. This Gauge is made entirely of Steel, full polished and nickel-plated.

Price ... 3/3 each.

**Adjustable Handle Drawing Knives (Patented).**

No. 2466W.



Folds into small space, goes into hand tool case or shoulder chest; folded handles protect cutting edge. No slots to hurt the hands. Handles adjust to suit workman. Blades properly tempered, ground and honed. Tangs extend through handles.

Size	...	8	10 in.
Price	...	7/6	8/6 each.



No. 2468W.

**Set of  
Brace  
Bits  
on  
Iron  
Stand.**

Comprising:—6 Screwdriver Bits, 1 each  $\frac{1}{4}$  in. and  $\frac{5}{16}$  in. Rose Countersink Bits, 1 each  $\frac{1}{4}$  in. and  $\frac{5}{16}$  in. Snail Countersink Bits, 2 Square Rimmers.

Price of Stand and Bits complete ... 12/6 set.



No. 2470W. Stand only. Price 2/9 each.

**Nickel-Plated  
Bit  
Holder.**

No. 2467W.



Takes any ordinary Bit.

Price -/6 each.

**Cabinet and Wood Scraper.**

With Raised Handles.



No. 2469W.

Nickel-Plated, 10 in. long, with  $2\frac{1}{2}$  in. Tool Steel Cutter.  
Price ... 4/6 each.

**Handled Cabinet Scraper. No. 2471W.**


With Removable Blade. Price 1/6 each.  
Extra Blades, 5/- per doz.

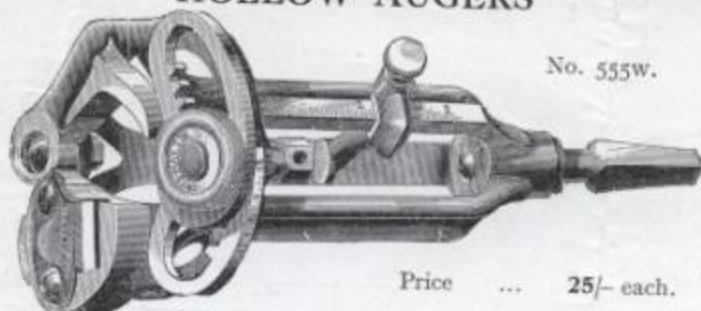
**Bronze Medal, 1884.—Gold Medal, 1890.**



# TOOL AND MACHINE MERCHANTS

## HOLLOW AUGERS

This will cut all sizes from  $\frac{1}{4}$  to  $1\frac{1}{2}$  in. diameter. In moving for different sizes no alteration of the knife is necessary, the change being made by simply turning the thumbscrew in the rack.



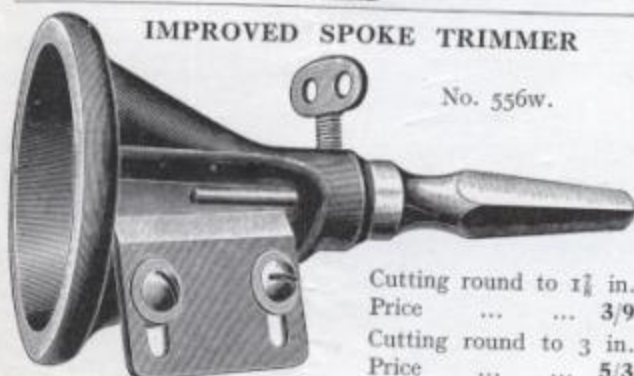
No. 555w.

It is provided with an adjustable stop, or depth gauge, sliding on a rule-marked scale, by means of which the length of tenon cut can be regulated exact, from 1 to 3 in.

Price ... 25/- each.

## IMPROVED SPOKE TRIMMER

No. 556w.

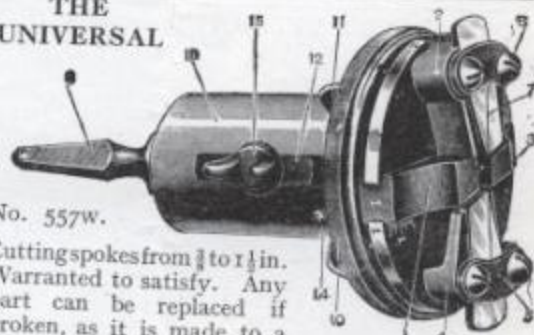


Cutting round to  $1\frac{1}{8}$  in.  
Price ... 3/9  
Cutting round to 3 in.  
Price ... 5/3

## THE UNIVERSAL

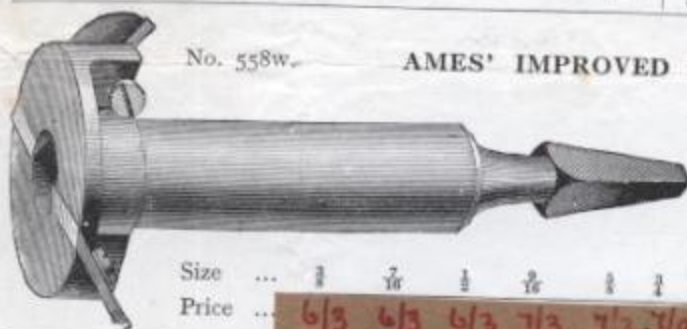
No. 557w.

Cutting spokes from  $\frac{3}{8}$  to  $1\frac{1}{2}$  in. Warranted to satisfy. Any part can be replaced if broken, as it is made to a gauge. Price 33/- Extra cutters, 4/- per pair.



No. 558w.

## AMES' IMPROVED HOLLOW AUGER



This shows the well-known non-expanding type.

Extra cutters, 4/6 per pair.

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

## AWARDS FOR EXCELLENCE OF TOOLS AND MACHINES

BRONZE MEDAL 1884



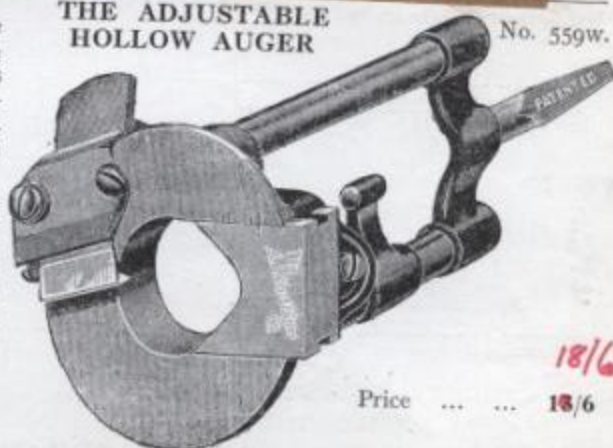
GOLD MEDAL 1890

Adjustable from  $1\frac{1}{8}$  to  $1\frac{1}{2}$  in. full. Does not cut smaller than  $1\frac{1}{8}$  in. nor larger than  $1\frac{1}{2}$  in. full.

Easily and quickly adjusted. Screws and wearing parts hardened. Patent Stop and Knife Clamp. Simple, durable, and accurate.

## THE ADJUSTABLE HOLLOW AUGER

No. 559w.



Price ... 18/6

Electric and Wireless Engineers



# RICHARD MELHUISH LIMITED, LONDON, E.C.

## BEST QUALITY CAST AND VANADIUM STEEL SAWS

No. 560w

Melhuish's New Skew Back Saws. All bearing our name.



The blade is ground thinner at back than front, and has a peculiar shaped butt or heel, which enables a full sweep of the Saw to be given without the possibility of catching in the work. The handle is of polished Beech, and is firmly secured to the blade by improved nickel-plated screws.

Length	...	20	22	24	26	28	in.
Price	...	9/-	9/9	10/9	11/9	12/-	each.

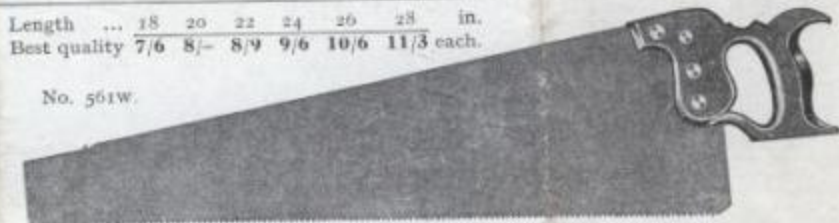
With ordinary handles      Handles with thumb holes as drawn.

### LONDON PATTERN HAND SAWS

Fully Warranted.

The sterling quality of these Saws has secured for them an extensive adoption amongst first-class workmen throughout the country. Special attention is given to the tempering and finishing of the blades, which are ground about 4 gauges thinner at back than front.

No. 561w.



Size	...	20	22	24	26	28	in.
Price	...	10/3	11/3	13/3	14/3	15/6	each.

No. 562w.

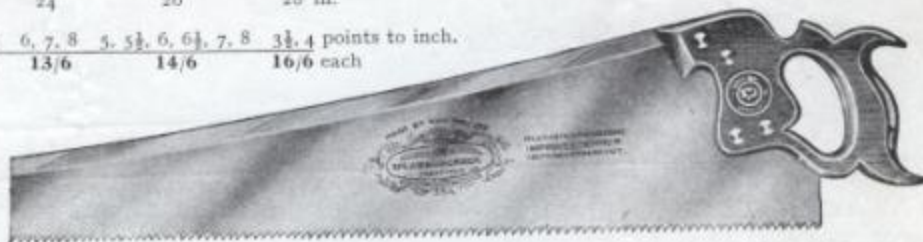
Warranted Silver Spring Steel, improved temper, mirror finish, selected English Beech handles polished all over.



Size	...	20	22	24	26	28	in.
Standard sizes	...	10-12	10-12	6, 7, 8	5, 5½, 6, 6½, 7, 8	3½, 4	points to inch.
Skew back	...	10/6	11/6	13/6	14/6	16/6	each

No. 563w.

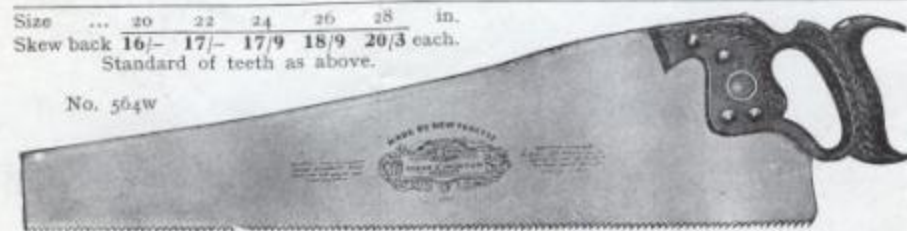
This Saw answers to the same description as No. 562w above, but has skew instead of straight back.



Size	...	20	22	24	26	28	in.
Skew back	...	16/-	17/-	17/9	18/9	20/3	each.

Standard of teeth as above.

No. 564w



Vanadium Alloy Steel, improved temper, mirror polish, carved Hardwood handles, polished all over, raised brass screws. These Saws are the best that can possibly be made, regardless of price. The blade is made from a secret alloy of Vanadium Steel, of great toughness, and will work longer than any other saw without sharpening, being at the same time more difficult to buckle in use.

Attention is requested to the following when ordering :

• Six points



or tops.

All our Saws are stamped the number of points—not teeth—to the inch (see example). Kindly order accordingly.

We endeavour to keep in stock the following points in the best quality Saws.

20 in. Panel	...	—	—	—	10	11	12
22 " "	...	—	—	—	10	11	12
24 " "	...	7	8	9	10	—	—
26 " Hand	...	5	5½	6	7	8	—
28 " Rip	...	—	3	3½	4	—	—

Bronze Medal 1884—Gold Medal 1890



Registered Mark

*azto*

**ORDER FORM**

DM10



To **S. TYZACK & SON, LTD.**

Telegraphic Address—

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Telephone—  
Clerkenwell 4004 & 4005.

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A.B.C. (5th Edition)

**Tool and Cutlery Experts,**

**341, 343 & 345, OLD STREET, SHOREDITCH,**

**LONDON, E.C.1**

*Please do not write in this space.*

Postal Order, Post Office Order, or Cheque must accompany Order or otherwise the Goods cannot be forwarded. Please cross "A/c. of S. Tyszack & Son, Ltd., Westminster Bank."

From .....

Address .....

Amount enclosed .....

Nearest Station .....

No. in List

Quantity

Name of Article

Size

Price

£

s.

d.

Carried forward.

No. in List	Quantity	Name of Article	Size	Price	£	s.	d.
		Brought forward					