Stillson Pipe Wrenches

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

**PRICE, each**

<table>
<thead>
<tr>
<th></th>
<th>With Wood Handle</th>
<th></th>
<th>With All Steel Handle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Length when open (in.)</td>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>Takes Pipes (in.)</td>
<td>1-1/4</td>
<td>1-1/2</td>
<td>1-1/4</td>
</tr>
<tr>
<td>Wrench complete</td>
<td>8/4</td>
<td>9/6</td>
<td>13/8</td>
</tr>
<tr>
<td>Jaws</td>
<td>2/9</td>
<td>2/11</td>
<td>4/7</td>
</tr>
<tr>
<td>Wood Handles</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
</tr>
<tr>
<td>Steel Handles, with Springs</td>
<td>7/8</td>
<td>7/8</td>
<td>10/13</td>
</tr>
<tr>
<td>Adjusting Nuts.</td>
<td>7/8</td>
<td>7/8</td>
<td>10/13</td>
</tr>
<tr>
<td>Springs</td>
<td>7/5</td>
<td>7/5</td>
<td>7/5</td>
</tr>
<tr>
<td>Frame Pins</td>
<td>7/2</td>
<td>7/2</td>
<td>7/2</td>
</tr>
<tr>
<td>End Nuts</td>
<td>7/8</td>
<td>7/8</td>
<td>10/13</td>
</tr>
</tbody>
</table>

"Record" Stillson Pattern Pipe Wrenches (British made)

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

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

Fig. 695

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

**PRICE**

<table>
<thead>
<tr>
<th>Length open, in.</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>14</th>
<th>18</th>
<th>24</th>
<th>36</th>
<th>48</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grips Pipe, in.</td>
<td>1-1/4</td>
<td>1-1/2</td>
<td>1-1/4</td>
<td>1-1/4</td>
<td>1-1/4</td>
<td>1-1/4</td>
<td>1-1/4</td>
<td>1-1/4</td>
</tr>
<tr>
<td>PRICE, each</td>
<td>7/11</td>
<td>9/2</td>
<td>11/11</td>
<td>15/12</td>
<td>20/21</td>
<td>22/22</td>
<td>30/23</td>
<td>62/6104/2</td>
</tr>
</tbody>
</table>

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

Fig. 4620

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

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

<table>
<thead>
<tr>
<th>Length</th>
<th>8</th>
<th>10</th>
<th>14</th>
<th>18</th>
<th>24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity, Pipes</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Approx. weight</td>
<td>1/4</td>
<td>2/3</td>
<td>2/4</td>
<td>2/5</td>
<td>2/6</td>
</tr>
<tr>
<td>PRICE</td>
<td>9/5</td>
<td>10/5</td>
<td>14/7</td>
<td>20/10</td>
<td>20/3</td>
</tr>
</tbody>
</table>

2. WHITECHAPEL ROAD, LONDON, E.1.
"Vulcan" Patent Drop-Forged Steel Chain Pipe Wrench

For gripping, turning, or holding pipes, bolts, bars, shafts, &c., from ½ to 18 in. Diameter,
supplied either with Cable or Flat-Link Chain

Fig. 2084
"Vulcan," with Flat-link Chain.

Fig. 2085
"Vulcan," with Cable Chain.

Fig. 3859
"Vulcan," with double-ended Reversible Jaws and Flat-link Chain.

Fig. 9867

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

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

All parts are interchangeable, and can also be supplied.

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

Flat-Link Chain sent unless otherwise specified.

Figs. 2084 & 2085 .... Nos. 10 11 12 13 13½ 14 15 15½ 16
Fig. 3859 (Reversible Jaws) .... Nos. 30 31 32 33 33½ 34 35 — —
Fig. 9867 "Vulcan Superior" .... Nos. 0 — 2 3 4 5 6
Capacity, Fitting Pipes .... in. ⅞ to 1 ½ to 1⅜ ½ to 1⅝ 1 to 1⅛ 1 to 6 1⅛ to 8 2 to 12 4 to 10 4 to 18
Length overall ............. lb. 14 12 10 8 6 4 2 0 — —
Weight (approx.) ............. lb. 2 1½ 1 ¾ 1 ½ 1 ¾ 2 2½ 3 3½ 4 4½
Length of Flat-link Chain .... in. 94 134 174 214 254 29½ 33½ 37 41 45 49
Cable Chain, Fig. 2085 .... 94 134 174 214 254 29½ 33½ 37 41 45 49
PRICES, all patterns .... each. 20/10 29/2 41/8 58/4 81 92½ 120 150 250 333/4
Extra Parts—Flat-link Chains .... each. 0/4 6/3 8/4 12/6 20/10 29/2 37/6 59/7 45/10 62/6 100 135/4
Jaws .... pair. 8/4 14/7 25/2 33/4 39/7 45/10 62/6 100 135/4

"Record" Chain Pipe Wrenches

Fig. 782
British Made
Similar to Fig. 3859 shown above.

<table>
<thead>
<tr>
<th>No.</th>
<th>220</th>
<th>231</th>
<th>232</th>
<th>233</th>
<th>233½</th>
<th>234</th>
<th>235</th>
<th>216*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>1½</td>
<td>1 ¼</td>
<td>1⅛</td>
<td>1⅜</td>
<td>2 ⅛</td>
<td>2 ⅜</td>
<td>3 ⅛</td>
<td>4 ⅛</td>
</tr>
<tr>
<td>Length overall</td>
<td>14</td>
<td>20</td>
<td>27</td>
<td>37</td>
<td>44 ½</td>
<td>50 ½</td>
<td>64 ½</td>
<td>87</td>
</tr>
<tr>
<td>PRICE</td>
<td>21 ⅞</td>
<td>29½</td>
<td>41/8</td>
<td>68/6</td>
<td>75 ½</td>
<td>91/8</td>
<td>150 ½</td>
<td>250 ⅞</td>
</tr>
<tr>
<td>Chains</td>
<td>6/3</td>
<td>8/3</td>
<td>10½</td>
<td>12½</td>
<td>21 ⅞</td>
<td>29½</td>
<td>37½</td>
<td>62 ½</td>
</tr>
</tbody>
</table>

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

Chain Pipe Wrenches

Fig. 783
Simple yet Efficient. Best Quality Cycle Chain.
Carbon Steel Handle.

<table>
<thead>
<tr>
<th>Length</th>
<th>5 8 11 14 20 28 36 in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>1 ½ 2 ½ 4 6 9 12 14 16 20 24 30 40 60 90</td>
</tr>
<tr>
<td>PRICE</td>
<td>1 ½ 2 ½ 4 6 9 12 14 16 20 24 30 40 60 90</td>
</tr>
</tbody>
</table>
ROSE TOOLS, INC.

Adjustable Pipe Tongs

Fig. 2101

Special Pipe Tongs

Fig. 2100
With Hooked Upper Jaw

Parrot-Nose Pipe Wrenches

Fig. 2088
A takes \( \frac{1}{4} \) to \( \frac{3}{8} \) in. \( 8 \) each
B \( \frac{1}{4} \) to \( \frac{5}{8} \) in. \( 9 \) each
C \( \frac{1}{2} \) to \( \frac{3}{4} \) in. \( 10 \) each
D \( \frac{1}{2} \) to \( \frac{1}{4} \) in. \( 12 \) each
E \( \frac{1}{4} \) to \( \frac{1}{4} \) in. \( 14 \) each
F takes \( \frac{1}{4} \) to 3 in. \( 20 \) each

Gas Pipe and Socket Tongs

Fig. 2087
Pipe Size 1/4 1/2 3/4 1 1 1 1 1 1 2 2 3 4
PRICE 10 12 16 18 19 20 21 22 23 24 30 40

Socket Tongs advance one size.

Improved Gas Tongs

Fig. 2089
No. 1 takes \( \frac{1}{4} \) in. to \( \frac{1}{4} \) in. Pipes
PRICE \( \frac{3}{4} \) ea.

Adjustable Gas Tongs

Fig. 2090
No. 1 takes \( \frac{1}{4} \) in. to \( \frac{1}{4} \) in. Pipes
PRICE \( \frac{3}{4} \) ea.

"Johnston" Automatic Pipe Wrench


Fig. 1733

Warnock Smooth Grip Pipe Wrench

Made in U.S.A.
Flexible woven strap, drop forged shackles, enamelled handle and polished head. Suitable for nickel-plated or highly polished brass pipes, etc.

Fig. 1734

"Bear" Smooth Grip Chain Pipe Wrench

Fig. 2086. Reversible
Takes Pipes
Price

Chains only, half price of complete wrench.

2, WHITECHAPEL ROAD, LONDON, E.1.

253
"The Master" Adjustable Spanner

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

Sizes:

<table>
<thead>
<tr>
<th>Size</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8</td>
<td>6</td>
</tr>
<tr>
<td>5/8</td>
<td>8</td>
</tr>
<tr>
<td>3/4</td>
<td>6</td>
</tr>
<tr>
<td>9/16</td>
<td>8/6 each</td>
</tr>
</tbody>
</table>

Crocodile Pipe Wrench

Fig. 2093

No. | Span | PRICE
---|------|-------
1  | 1/4  | 9/6
2  | 1    | 7/10
3  | 1 1/4| 10/15
4  | 2    | 15/22
5  | 3 in. | 22/each

Williams' "Bull Dog" Pipe Wrench

Double-ended

Fig. 1718

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

PRICE, 10 in. long, holds pipes 1/4 to 1 in. 6/3 each

Stud Setting Box

Fig. 1736

<table>
<thead>
<tr>
<th>Stud diam.</th>
<th>PRICE each</th>
<th>Stud diam.</th>
<th>PRICE each</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/8</td>
<td>1 1/4</td>
<td>1</td>
<td>7/10</td>
</tr>
<tr>
<td>7/8</td>
<td>11</td>
<td>10/15</td>
<td></td>
</tr>
<tr>
<td>5/8</td>
<td>11</td>
<td>18/6</td>
<td></td>
</tr>
<tr>
<td>10/16</td>
<td>11</td>
<td>21/6</td>
<td></td>
</tr>
<tr>
<td>12/16</td>
<td>11</td>
<td>24/6</td>
<td></td>
</tr>
</tbody>
</table>

Stud Removing Spanner

Fig. 1735

<table>
<thead>
<tr>
<th>For Studs</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4 to 1/2</td>
<td>16/6</td>
</tr>
<tr>
<td>1/2 to 1</td>
<td>18/6</td>
</tr>
<tr>
<td>1 1/4 to 1 1/2</td>
<td>20/6</td>
</tr>
<tr>
<td>1 1/2 to 1 1/2</td>
<td>23/6</td>
</tr>
</tbody>
</table>

Budding or MacMahon Spanners

Fig. 2059

<table>
<thead>
<tr>
<th>Size</th>
<th>To Span</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>11/6</td>
<td>9/6</td>
</tr>
<tr>
<td>8</td>
<td>11/6</td>
<td>11/6</td>
</tr>
<tr>
<td>10</td>
<td>11/6</td>
<td>15/6</td>
</tr>
<tr>
<td>12</td>
<td>2</td>
<td>18/6</td>
</tr>
<tr>
<td>14</td>
<td>2 1/2</td>
<td>25/6</td>
</tr>
<tr>
<td>16</td>
<td>2 3/4</td>
<td>30/6</td>
</tr>
<tr>
<td>18</td>
<td>3 1/2</td>
<td>33/6</td>
</tr>
<tr>
<td>20</td>
<td>4</td>
<td>48/6</td>
</tr>
</tbody>
</table>

Double Bar Coach Wrenches

Fig. 2057

<table>
<thead>
<tr>
<th>Size</th>
<th>To Span</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>11/6</td>
</tr>
<tr>
<td>8</td>
<td>11/6</td>
</tr>
<tr>
<td>10</td>
<td>11/6</td>
</tr>
<tr>
<td>12</td>
<td>11/6</td>
</tr>
<tr>
<td>14</td>
<td>11/6</td>
</tr>
<tr>
<td>16</td>
<td>11/6</td>
</tr>
<tr>
<td>18</td>
<td>11/6</td>
</tr>
<tr>
<td>20</td>
<td>11/6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SIZE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>9/18</td>
<td>11/8</td>
</tr>
<tr>
<td>10/18</td>
<td>14/6</td>
</tr>
<tr>
<td>14/6</td>
<td>22/6</td>
</tr>
<tr>
<td>18/6</td>
<td>25/6</td>
</tr>
<tr>
<td>22/6</td>
<td>35/6</td>
</tr>
</tbody>
</table>

Automobile Wrenches.

Fig. 2071

<table>
<thead>
<tr>
<th>No.</th>
<th>Size (Fig. 2071)</th>
<th>Opening (Fig. 2071E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>7</td>
<td>7</td>
<td>7</td>
</tr>
</tbody>
</table>

Fig. 2071 Finished Black

PRICE, Fig. 2071

<table>
<thead>
<tr>
<th>SIZE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/6</td>
<td>2/6</td>
</tr>
<tr>
<td>3/8</td>
<td>2/6</td>
</tr>
<tr>
<td>5/8</td>
<td>3/6</td>
</tr>
<tr>
<td>7/8</td>
<td>5/6</td>
</tr>
<tr>
<td>10/8</td>
<td>6/8</td>
</tr>
</tbody>
</table>

2, WHITECHAPEL ROAD, LONDON, E.1.
Improved Shifting Spanners

Fig. 2064. Wrought steel with smooth hardened jaws.

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 1/2</td>
<td>2 1/2</td>
</tr>
<tr>
<td>5 1/2</td>
<td>2 7/8</td>
</tr>
<tr>
<td>7</td>
<td>3 1/4</td>
</tr>
<tr>
<td>9</td>
<td>3 11/16</td>
</tr>
<tr>
<td>11</td>
<td>5/8</td>
</tr>
<tr>
<td>12</td>
<td>7/8</td>
</tr>
<tr>
<td>15</td>
<td>7/8</td>
</tr>
<tr>
<td>18</td>
<td>9/16</td>
</tr>
</tbody>
</table>

Improved Shifting Spanners

Fig. 1695. Black Finish

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 1/2</td>
<td>2 1/2</td>
</tr>
<tr>
<td>7</td>
<td>2 7/8</td>
</tr>
<tr>
<td>9</td>
<td>4 1/4</td>
</tr>
<tr>
<td>11</td>
<td>4 5/8</td>
</tr>
<tr>
<td>12</td>
<td>7/8</td>
</tr>
<tr>
<td>15</td>
<td>7/8</td>
</tr>
</tbody>
</table>

Adjustable Wrenches

Fig. 3863

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 in.</td>
<td>7/8</td>
</tr>
<tr>
<td>8 1/2</td>
<td>7/8</td>
</tr>
<tr>
<td>6</td>
<td>1 1/4</td>
</tr>
<tr>
<td>5/8</td>
<td>1 1/4</td>
</tr>
</tbody>
</table>

Fig. 2070

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 in.</td>
<td>6/3</td>
</tr>
<tr>
<td>5 1/2</td>
<td>6/6</td>
</tr>
</tbody>
</table>

Lucas "Girder" Wrenches

Fig. 1732

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>90</td>
<td>3 1/2 in.</td>
<td>2/9</td>
</tr>
<tr>
<td>91</td>
<td>4 1/4 in.</td>
<td>3/9</td>
</tr>
<tr>
<td>93</td>
<td>5 1/4 in.</td>
<td>6/6</td>
</tr>
</tbody>
</table>

Billings' Patent Adjustable Wrenches

Pocket Wrench. Fig. 2069

Made of forged steel throughout, and the sliding bar is graduated to 1/8 in., with oval edges.

Size: 4 1/4 in.; Open: 1 1/4 in.; Weight: 7 1/2 oz.

<table>
<thead>
<tr>
<th>Price</th>
<th>Model A</th>
<th>Black</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Bicycle Wrenches

Fig. 3864

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 1/2 in.</td>
<td>4/3</td>
</tr>
<tr>
<td>1 1/8 in.</td>
<td></td>
</tr>
</tbody>
</table>

"King Dick" Spanners

Fig. 1711

<table>
<thead>
<tr>
<th>No.</th>
<th>Length</th>
<th>Takes Nuts</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1/4</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
<td>0 1/4</td>
<td>1/9</td>
</tr>
<tr>
<td>2</td>
<td>0 1/4</td>
<td>0 1/4</td>
<td>2/9</td>
</tr>
<tr>
<td>3</td>
<td>0 1/4</td>
<td>0 1/4</td>
<td>10/6</td>
</tr>
</tbody>
</table>

Quick-Grip Pliers

Fig. 2116

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

Size: 6 to 7 in.
Range of Grip: 1/4 to 2 1/2

<table>
<thead>
<tr>
<th>Price</th>
<th>2/3</th>
</tr>
</thead>
</table>

Bemis & Call's Combination Wrenches

Fig. 2068

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

<table>
<thead>
<tr>
<th>Size</th>
<th>For Pipes</th>
<th>Short Nut</th>
<th>Long Nut</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 in.</td>
<td>1 to 1 in.</td>
<td>9 9/16</td>
<td>10 5/16</td>
</tr>
<tr>
<td>10</td>
<td>1</td>
<td>11 9/16</td>
<td>12 1/16</td>
</tr>
<tr>
<td>12</td>
<td>1 1/2</td>
<td>13 1/2</td>
<td>14 1/2</td>
</tr>
<tr>
<td>14</td>
<td>1 3/4</td>
<td>15 2/3</td>
<td>16 3/4</td>
</tr>
<tr>
<td>16</td>
<td>2</td>
<td>17 3/4</td>
<td>18 3/4</td>
</tr>
</tbody>
</table>

2, WHITECHAPEL ROAD, LONDON, E. I.
Williams’ Agricultural Wrenches

Fig. 2067
Head and Bar drop-forged in one piece, fitted with easy acting screw and thoroughly seasoned handle.

Size ... 6 8 10 12 15 in.
Jaws open ... 1 1 1/8 1 1/4 1 1/2 2 in.
PRICE ... 3/6 4/2 4/11 6/3 8/4 each

Williams’ Machinist’s Knife Handle Wrenches

Fig. 4961
The Head and Bar of this Wrench are drop-forged in one piece. Sliding Jaw is hardened to withstand severe service. Fitted with easy acting screw.

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

Williams’ Railroad Wrenches

Fig. 4962
Head and Bar drop-forged in one piece from selected steel and extra heavy jaws thoroughly case-hardened. Fitted with indestructible iron handle and easy-acting screw.

Size ... 6 8 10 12 15 18 21 in.
Jaws open ... 1 1 1/8 1 1/4 1 1/2 2 1/2 3 3 1/2
PRICE ... 5/3 6/3 7/8 9/9 13/6 16/8 20/2 each
Also made all Steel Handles. Same prices.

Coe’s Knife Handle Wrench

Fig. 2066
Best steel and material throughout. Put together under tension. Wood handle fully screwed at both ends. Case-hardened. Black finish.

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

Coe’s Key Model Wrench

Fig. 3909
Made of heavy steel forgings, fully hardened. It is self-contained. The key cannot come off, and the two positions for jaw straps assure its going into corners without trouble.

Size, 28 in. Opens, 5 1/2 in. Weight, 19 lb.
" 36 " " 6 1/4 " " 27 " .. .. .. .. .. " .. .. .. .. .. 300 "
" 48 " " 9 1/4 " " 62 " .. .. .. .. .. " .. .. .. .. .. 391/8 "

2, WHITECHAPEL ROAD, LONDON, E.1.
256
BUCK & HICKMAN, LTD.,

Clyburn Spanners (Straight)

Fig. 2073

<table>
<thead>
<tr>
<th>No.</th>
<th>B</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>5</td>
<td>6</td>
<td>8</td>
<td>10</td>
<td>12</td>
<td>15</td>
<td>17</td>
<td>20</td>
<td>24</td>
<td>26</td>
</tr>
<tr>
<td>To Span</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>PRICE</td>
<td>6/3</td>
<td>6/7</td>
<td>7/9</td>
<td>9/6</td>
<td>11/9</td>
<td>14/9</td>
<td>18/9</td>
<td>23/3</td>
<td>28/3</td>
<td>32/9</td>
</tr>
</tbody>
</table>

Parts—Slide Jaw

| Worm | 1/3 | 1/2 | 1/3 | 1/8 |
| Body | 5/3 | 4/9 | 5/9 | 7/9 |
|       | 9/10 | 12/6 | 14/6 | 18/6 |

| 22/6 | 28/4 |

Clyburn Spanners (Curved)

Fig. 2074 All Wrought
Fig. 2075 Forged Jaw

<table>
<thead>
<tr>
<th>Size</th>
<th>6</th>
<th>8</th>
<th>10</th>
<th>12</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>18</th>
<th>21</th>
<th>24</th>
<th>27</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Span</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

Fig. 2074. Best Solid Wrought
Fig. 2075. Second Quality, Forged Jaws

| 8/6 | 9/6 | 11/6 | 13/6 | 15/6 | 17/6 | 18/6 | 25/6 | 30/6 | 33/6 | 48/6 | 65/6 |

“Bahco” Adjustable Spanners (Foreign)

Quickly and easily adjustable. Wearing parts interchangeable.

15° Angle

<table>
<thead>
<tr>
<th>Size</th>
<th>*4</th>
<th>*6</th>
<th>8</th>
<th>10</th>
<th>12</th>
<th>14</th>
<th>15</th>
<th>18</th>
<th>24</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Span</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

PRICE 2/5 2/7 3/5 3/7 4/10 7/2 10/1 16/9 25/9 each

45° Angle

*15° Angle only.

†45° Angle only.

“Bahco” Adjustable Spanners (Foreign)

Fig. 288A

Extra narrow jaws. Specially useful for motor vehicles.

<table>
<thead>
<tr>
<th>Size</th>
<th>6</th>
<th>8</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Span (Adjustable)</td>
<td>4</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>(Non-Adjustable)</td>
<td>4</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

PRICE 3/2 4/1 6/6 each

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

“Universal” Adjustable Ratchet Spanner

Fig. 6

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

PRICE to open from 1/4 in. to 1 3/8 in. 3/6 each

2, WHITECHAPEL ROAD, LONDON, E. I.
Millers Falls Hack Saw Frames

Cast Iron Frame

<table>
<thead>
<tr>
<th>No.</th>
<th>4A</th>
<th>4B</th>
<th>4C</th>
<th>4D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>12 in.</td>
</tr>
<tr>
<td>Depth under back</td>
<td>2½</td>
<td>2½</td>
<td>2¼</td>
<td>2¼</td>
</tr>
</tbody>
</table>

**PRICE**

- 2/3 each
- 2/6 each
- 2/8 each
- 2/11 each

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

- 8/3 each

No. 10. Adjustable, Nickelled. Capacity, 8 to 12 in., marked for each length. Depth under back, 2¾ in. **PRICE**

- 8/3 each

**Fig. 3215**

**Fig. 3216**

**Fig. 493**


- 13/6 each

**Fig. 3218**

**Fig. 497**

No. 15. Nickelled. Capacity 12 in. Depth under back, 5½ in. **PRICE**

- 12/6 each

**Fig. 4719**

**Fig. 499**

No. 1027. Adjustable, Nickelled. Capacity 8 to 12 in. Steel Frame. **PRICE**

- 7½ each

**Fig. 1247**

**Fig. 1275**

No. 1723. Adjustable, All-Metal Handles, reinforced backs, Nickelled. Capacity, 8 to 12 in. **PRICE**

- 5½ each

**Fig. 1237**

**Fig. 497**

No. 1100. All-Metal Frame of exceptional strength. Back one piece Solid Steel. Shearardized to prevent rust. Capacity 8 to 12 in. Depth 3½ in. **PRICE**

- 10/6 each

Adapted for large work, such as cutting off rails, beams, &c.

Nickelled

**Fig. 3217**

**Fig. 497**

Capacities

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Depth</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
<td>in.</td>
<td>each</td>
</tr>
<tr>
<td>14</td>
<td>12</td>
<td>18½</td>
</tr>
<tr>
<td>14½</td>
<td>12</td>
<td>16/8</td>
</tr>
<tr>
<td>24</td>
<td>12</td>
<td>11/9</td>
</tr>
</tbody>
</table>

Enamelled Black

*Fig. 1247*
"Eclipse" Hack Saw Frames

**Fig. 1240**
No. 20/T. A Frame of tubular design, with a simplified device for swivelling the Blade. Substantial, rigid, reliable and perfectly balanced. Adjustable 8 to 12 in. Chromium plated.

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

**Fig. 582**

**PRICE**, with one 8 in. Blade 5/6 each.

**Fig. 583**
No. 30M. Magazine Frame. A frame with a suitable blade for every job. Five spare blades are carried in the nickel-plated bow which forms a magazine, the sixth being fitted in the frame (as illustrated).

**PRICE**, complete with Six Flex Blades 5/6 each.

**Fig. 584**
No. 60B. Oval telescopic pattern. Easy adjustment with graduated scale. Hardwood Handle. Adjustable 8 to 12 in.

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

**Fig. 585**
A strong, rigid Frame made in four sizes.

<table>
<thead>
<tr>
<th>Size</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>12 in</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRICE</strong></td>
<td>2½</td>
<td>2½</td>
<td>2½</td>
<td>2½ each</td>
</tr>
</tbody>
</table>

"Eclipse" 4S Tool

**Fig. 586**
16 Tools in One Holder

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

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

Packed in neat partitioned container, size 6 x 1½ x 1 in.

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

**PRICE**, complete, 5/6.

**Replacements**
- Slitting and Sawing Blades 1/9 per doz.
- Scrapers, Slitting Knives 6/6
- Wire Slitting Blades 6/6
- Files and Screwdriver Blades 6/6

"Shetack" Saw Frames

**Fig. 1246**

**PRICE**, complete with one blade 5/9 each.

Extra Blades, 50/6 per gross
Adjustable Hack Saw Frames

Fig. 1245
Adjustable from 8 to 12 in.

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

Fig. 4718

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

"Milford Flexible Midget" Frames

Fig. 3224
No. 3

Very useful for Plumbers, Electricians and Wireless work.
Frames made from 1/8 in. diameter round steel, Nickel plated.
No. 3. Depth at Handle, 1 1/2 in.
Complete with one 6 in. Blade, 12/36 per doz.

No. 5

Weight 4 oz.
No. 5. Depth at Back, 1 3/4 in.
Complete with one 6 in. Blade, 17/6 per doz.

Starrett's Hack Saw Frames

Fig. 3225 (No. 140), takes 8 in. saws, with one saw...

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

Price 6/3 each

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

Millers Falls Coping Saw Frames

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

Takes 6 in. Blades with loop ends.

Price 2/6 each

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

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

Price 2/6 each

Adjustable Coping Saw Frame

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

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

Price 6/8 each

Millers Falls Coping Saws

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

Loop End, 6 in., 5/4 per gross. Pin Pattern, 6 in., 10/6 per gross; 1/11 per doz.; 6 1/2 in., 10/6 per gross; 1/11 per doz.
BUCK & HICKMAN, LTD.,

Lancashire Metal Bow Saw Frames

Fig. 3234

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>4/6</td>
</tr>
<tr>
<td>4</td>
<td>5/7</td>
</tr>
<tr>
<td>5</td>
<td>6/8</td>
</tr>
<tr>
<td>6</td>
<td>7/9</td>
</tr>
<tr>
<td>7</td>
<td>8/10</td>
</tr>
<tr>
<td>8</td>
<td>9/12</td>
</tr>
<tr>
<td>9</td>
<td>10/14</td>
</tr>
<tr>
<td>10</td>
<td>11/16</td>
</tr>
<tr>
<td>11</td>
<td>12/18</td>
</tr>
<tr>
<td>12</td>
<td>13/21</td>
</tr>
<tr>
<td>13</td>
<td>14/24</td>
</tr>
<tr>
<td>14</td>
<td>15/27</td>
</tr>
<tr>
<td>15+</td>
<td>16/28</td>
</tr>
</tbody>
</table>

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

Fig. 3235 (No. 1)

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

Takes either 8 in. or 9 in. blades.
Height 10½ in. Base 10½ x 3½ in.
Stroke 6½ in.
Vice has 2½ in. jaws, opening to 2 in.
Extreme capacity 2 in. x 2 in.
Complete with 9 in. Blade, 41/8

Lever Rail and Girder Saw

Fig. 4720

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

PRICE, complete
£6 5 0 each

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

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

Capacity, 10 x 10 in.

Full particulars and prices on application

2, WHITECHAPEL ROAD, LONDON, E.1.
Ratchet Braces

Fig. 2035
Flat Springs, 1/- each.
For Drills, see Fig. 2234/5
10 to 20 in. suitable for Drills with No. 2 M.T. Square Shank.
22 in. and upwards suitable for Drills with Square Shank 1 to
\(\frac{3}{8}\) in. by 2 in.

<table>
<thead>
<tr>
<th>Length</th>
<th>10</th>
<th>12</th>
<th>14</th>
<th>16</th>
<th>18</th>
<th>20</th>
<th>22</th>
<th>24</th>
<th>30</th>
<th>36</th>
<th>*36</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of Head, Fig. 2035</td>
<td>6</td>
<td>7(\frac{1}{2})</td>
<td>8(\frac{1}{2})</td>
<td>9(\frac{1}{2})</td>
<td>10(\frac{1}{2})</td>
<td>11(\frac{1}{2})</td>
<td>12(\frac{1}{2})</td>
<td>14</td>
<td>14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fig. 2036</td>
<td>4</td>
<td>4(\frac{1}{2})</td>
<td>5(\frac{1}{2})</td>
<td>6(\frac{1}{2})</td>
<td>6(\frac{1}{2})</td>
<td>7</td>
<td>7(\frac{1}{2})</td>
<td>8</td>
<td>8(\frac{1}{2})</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRICE, Fig. 2035 and 2036</td>
<td>each</td>
<td>19(\frac{1}{2})</td>
<td>22(\frac{1}{2})</td>
<td>25(\frac{1}{2})</td>
<td>25(\frac{1}{2})</td>
<td>31(\frac{1}{2})</td>
<td>35(\frac{1}{2})</td>
<td>38(\frac{1}{2})</td>
<td>57(\frac{1}{2})</td>
<td>68(\frac{1}{2})</td>
<td>95(\frac{1}{2})</td>
</tr>
</tbody>
</table>

*Extra Heavy

Improved Ratchet Brace
Fig. 2037
Marine Pattern
This Brace is made with solid double jaws, and is very strong.

<table>
<thead>
<tr>
<th>Size</th>
<th>10</th>
<th>12</th>
<th>14</th>
<th>16</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRICE</td>
<td>27(\frac{1}{2})</td>
<td>30(\frac{1}{2})</td>
<td>35(\frac{1}{2})</td>
<td>40(\frac{1}{2})</td>
<td>45(\frac{1}{2})</td>
</tr>
</tbody>
</table>

Larger sizes supplied to order.

Force Brace
Fig. 2047

<table>
<thead>
<tr>
<th>Size</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRICE</td>
<td>15(\frac{1}{2})</td>
<td>16(\frac{1}{2})</td>
<td>18(\frac{1}{2})</td>
</tr>
</tbody>
</table>

Improved Differential Ratchet Braces
For Round or Square Taper Shank Drills

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

<table>
<thead>
<tr>
<th>Size</th>
<th>12</th>
<th>14</th>
<th>16</th>
<th>18</th>
<th>20</th>
<th>22</th>
<th>24</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With round hole socket square</td>
<td>31(\frac{1}{2})</td>
<td>34(\frac{1}{2})</td>
<td>39(\frac{1}{2})</td>
<td>42(\frac{1}{2})</td>
<td>47(\frac{1}{2})</td>
<td>51(\frac{1}{2})</td>
<td>55(\frac{1}{2})</td>
</tr>
<tr>
<td>&quot; both Sockets</td>
<td>32(\frac{1}{2})</td>
<td>35(\frac{1}{2})</td>
<td>39(\frac{1}{2})</td>
<td>43(\frac{1}{2})</td>
<td>48(\frac{1}{2})</td>
<td>52(\frac{1}{2})</td>
<td>56(\frac{1}{2})</td>
</tr>
</tbody>
</table>
| Round hole sockets for 12 and 14 in. braces suit Morse Taper No. 2, and for 16 in. up, Morse Taper No. 3. 12 and 14 in. braces take drills with square shank \(\frac{1}{3}\) in. x \(\frac{1}{3}\) in. x 1\(\frac{1}{2}\) in. long. 16 in. and up take \(\frac{1}{3}\) in. x \(\frac{1}{3}\) in. x 1\(\frac{1}{2}\) in. long.

Improved Differential Ratchet Braces
Fig. 2043
Interchangeable component parts can be supplied separately.

<table>
<thead>
<tr>
<th>Size</th>
<th>Length of Head</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
<td>in.</td>
<td>each</td>
</tr>
<tr>
<td>10</td>
<td>6</td>
<td>23(\frac{1}{2})</td>
</tr>
<tr>
<td>12</td>
<td>6</td>
<td>23(\frac{1}{2})</td>
</tr>
<tr>
<td>14</td>
<td>6</td>
<td>25(\frac{1}{2})</td>
</tr>
<tr>
<td>16</td>
<td>7</td>
<td>27(\frac{1}{2})</td>
</tr>
<tr>
<td>18</td>
<td>7</td>
<td>30(\frac{1}{2})</td>
</tr>
<tr>
<td>20</td>
<td>7(\frac{1}{2})</td>
<td>32(\frac{1}{2})</td>
</tr>
<tr>
<td>22</td>
<td>7(\frac{1}{2})</td>
<td>37(\frac{1}{2})</td>
</tr>
<tr>
<td>24</td>
<td>7(\frac{1}{2})</td>
<td>44(\frac{1}{2})</td>
</tr>
</tbody>
</table>

2, WHITENAPOL ROAD, LONDON, E.1.
Wrought Steel Ratchet Brace

Fig. 1731. For Boiler Plate work.
Powerful and compact for drilling in narrow spaces.
Total length, 13 in. x 4½ in. across head, screw in. dia., 1½ in. feed. Drill hole ¾ in. square.

PRICE 31½ each

We can supply Extra Short or Stumpy Drills to suit.

Short Head Ratchet Brace

Designed for Motor Cars and Confined Spaces

Fig. 2045

Length 10 in.
Shortest length of Head 2½ in.
This Brace is furnished with two centres.

The square hole is adapted for cropped Morse Bit Stocks.

PRICE 20½ each

Drills for above, see p. 50

Patent Ratchet Brace

Fig. 2038

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

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

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

12 in. for Twist Drills ½ to ¾ dia. 45½ each
15 "  "  " ¼ " ¾ " 60½ "
18 "  "  " ⅛ " ½ " 70½ "
24 "  "  " ⅛ " ⅛ " 100½ "

Morse Taper Sockets for above, see p. 62

Improved Ratchet Brace with M.T. Sockets

Fig. 1730

Suitable for Morse Taper Shank Drills

<table>
<thead>
<tr>
<th>Length</th>
<th>No. of Socket</th>
<th>Takes Drills in.</th>
<th>PRICE each</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>1</td>
<td>½ to ¾</td>
<td>31½</td>
</tr>
<tr>
<td>15</td>
<td>2</td>
<td>¼</td>
<td>39½</td>
</tr>
<tr>
<td>18</td>
<td>3</td>
<td>¾</td>
<td>47½</td>
</tr>
<tr>
<td>24</td>
<td>4</td>
<td>1½</td>
<td>63½</td>
</tr>
</tbody>
</table>

Adaptor for Square Shank Drills
Size No. 1, 4/6; 2, 5/6; 3, 6½ each

Nettlefold's "Dwarf" Ratchet Brace

Fig. 844

Suitable for Bit Stock Drills up to ½ in.

Size 7 in.
Minimum length of Head 2½ in. Depth of Feed ½ in.
PRICE 10½ each

2, WHITECHAPEL ROAD, LONDON, E. 1.
287
Pratt & Whitney Co.'s "Renshaw" Ratchet Drills. Fig. 2048

Made in two sizes—No. 1 taking drills with No. 1 Morse Taper Shank, No. 3 taking drills with either No. 1, 2 or 3 M.T. Shank. All parts are made from steel and hardened. No. 1 has one collet for drills with shank, \( \frac{\sqrt[3]{2}}{} \times \frac{1}{4} \times \frac{1}{4} \) in., and one collet for drills fitting No. 1 Morse standard taper socket. No. 3 has one collet—No. 5—for taper square shank drills with No. 1 shank, \( \frac{1}{4} \times \frac{1}{4} \times \frac{1}{4} \) in., also collets No. 1, 2 and 3 for Morse standard taper shanks. Nos. 3 and 5 collets are held in spindle by screw thread. Nos. 1 and 2 collets are tanged externally to fit No. 3 collet.

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

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1 Ratchet Drill, complete, with two Collets</td>
<td>£2 5.10</td>
</tr>
<tr>
<td>No. 1 Ratchet Body</td>
<td>1 9.2 each</td>
</tr>
<tr>
<td>1 Feed Screw</td>
<td>0 8.4 each</td>
</tr>
<tr>
<td>Parts, No. 1 Size</td>
<td>1 18.2 each</td>
</tr>
<tr>
<td>1 Ratchet Handle</td>
<td>1 18.2 each</td>
</tr>
<tr>
<td>Nut</td>
<td>1 18.2 each</td>
</tr>
<tr>
<td>3 Feed Screw</td>
<td>3 18.2 each</td>
</tr>
<tr>
<td>3 Extension Feed Screw</td>
<td>3 18.2 each</td>
</tr>
<tr>
<td>3 Feed Pin</td>
<td>3 18.2 each</td>
</tr>
<tr>
<td>3 Ratchet Handle</td>
<td>3 18.2 each</td>
</tr>
<tr>
<td>3 Pawl and Spring</td>
<td>3 18.2 each</td>
</tr>
<tr>
<td>3 Fretion Feed Attachment</td>
<td>3 18.2 each</td>
</tr>
</tbody>
</table>

The Armstrong Universal Ratchet Drill. Fig. 4181

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

Simple, Strong—no ball joints or bevel gears.

Drills 10 per cent. faster than an ordinary Ratchet.

<table>
<thead>
<tr>
<th>Style</th>
<th>Fitting Ratchet No.</th>
<th>Taking Drills</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>64</td>
<td>With No. 2 Square Taper Shank</td>
</tr>
<tr>
<td>K</td>
<td>64</td>
<td>2 Morse</td>
</tr>
<tr>
<td>X</td>
<td>65</td>
<td>2 Square</td>
</tr>
<tr>
<td>L</td>
<td>65</td>
<td>3 Morse</td>
</tr>
<tr>
<td>O</td>
<td>65</td>
<td>2 Square</td>
</tr>
<tr>
<td>N</td>
<td>66</td>
<td>4 Morse</td>
</tr>
<tr>
<td>S</td>
<td>66</td>
<td>5 Morse</td>
</tr>
</tbody>
</table>

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

2, WHITECHAPEL ROAD, LONDON, E.1.
Drilling Pillars

Fig. 2040

Admiralty Pattern

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

No. 1 Pillar, 1½ in. diam., x 21 in. high.
PRICE 3½ each

No. 2 Pillar, 2 in. diam., x 32 in. high.
PRICE 7½ each

Crank Braces

Fig. 2017

Fig. 2018

PRICES

Fig. 2017. Without Screw 14½ ea.
2018. With Screw for Pressure 17½ each
2017A. Light Pattern 11½

Drilling Cramps

Fig. 4731

Plain

Fig. 4732

With Sliding Arm

Size

20 24 26 28 in.
Plain 21½ 25½ 33½ each
With Sliding Arm 21½ 25½ 33½ each

Champion Self-Feeding Post Drilling Machines

Fig. 429

Fitted with Ball Bearings.

No. 95

Two Speeds

Capacity: 0-1½ in.
Spindle 1½ in. diam., 3 in. traverse to Pillar, 7½ in.
Spindle to Table (max.) 10 in.
Height 46 in.
Weight, 115 lb.
Price £4 5-0

No. 98

Back-Gear Capacity 0-1 in.
Spindle 1 in. diam., 3 in. traverse to Pillar, 7 in.
Spindle to Table (max.) 10 in.
Height, 40 in.
Weight, 100 lb.
Price £3 5-0

No. 101

Capacity 0-1 in.
Spindle 1 in. diam., 3 in. traverse to Pillar, 6 in.
Spindle to Table (max.) 8½ in.
Height, 35 in.
Weight, 80 lb.
Price £2 17 6

No. 106

Single-Gear Capacity 0-1 in.
Spindle 1 in. diam., 3 in. traverse to Pillar, 6 in.
Spindle to Table (max.) 8½ in.
Height, 31 in.
Weight, 50 lb.
Price £1 17 6

Spindle ½ in. diam., 3 in. traverse, Spindle to Pillar, 5½ in.
Spindle to Table (max.) 8½ in.
Height, 31 in.
Weight, 60 lb.
Price £2 1 6.

Spindles have 'Never-Slip' Device and are bored to take ½ in. shank Drills. Fig. 2259. Machines Nos. 95, 98, 101 and 103 can be furnished to order fitted with Fast and Loose Pulleys.

All Models except Nos. 103 and 106 have Automatic Self-Feed.

All parts are made to jigs and are interchangeable.

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

2, WHITECHAPEL ROAD, LONDON, E.1.
Bench Drilling Machines

Fig. 487
For Hand or Power

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Drills holes up to in.</th>
<th>Drills centres of in.</th>
<th>Height Spindle to Table in.</th>
<th>Depth of feed in.</th>
<th>Total Height in.</th>
<th>Weight lb.</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1(\frac{1}{2})</td>
<td>18</td>
<td>8(\frac{1}{2})</td>
<td>6</td>
<td>43</td>
<td>240</td>
<td>£10 0 0 £11 10 0</td>
</tr>
<tr>
<td>B</td>
<td>1(\frac{1}{2})</td>
<td>19</td>
<td>9</td>
<td>6</td>
<td>31</td>
<td>338</td>
<td>13 10 0 15 0</td>
</tr>
</tbody>
</table>

Bench Drilling Machine

Fig. 488
For Hand & Hand and Power

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

Weight: 350 lb.

<table>
<thead>
<tr>
<th>Drills holes up to in.</th>
<th>Diam. of Drill Spindle in.</th>
<th>Spindle to Table in.</th>
<th>Diam. of Flywheel in.</th>
<th>Drill to Frame in.</th>
<th>Diam. of Table in.</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1(\frac{1}{2})</td>
<td>1(\frac{1}{2})</td>
<td>9</td>
<td>30</td>
<td>13(\frac{1}{2})</td>
<td>12(\frac{1}{2})</td>
<td>£16 0 0 £17 10 0</td>
</tr>
</tbody>
</table>

Vertical Drilling Machines

Fig. 625
For Hand or Power

Two Speeds

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

Ball thrust bearings are fitted to Spindle and Backshaft.

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Drills holes up to in.</th>
<th>Drills centres of Feed</th>
<th>Vertical Spindle F. &amp; L. Pulley in.</th>
<th>Spindle bored Morse Taper in.</th>
<th>Total Height in.</th>
<th>Weight lb.</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1(\frac{1}{2})</td>
<td>26</td>
<td>5</td>
<td>27</td>
<td>8 \times 2</td>
<td>No. 3</td>
<td>76</td>
</tr>
<tr>
<td>B</td>
<td>1(\frac{1}{2})</td>
<td>26</td>
<td>5</td>
<td>27</td>
<td>11 \times 2</td>
<td>No. 4</td>
<td>78</td>
</tr>
</tbody>
</table>
Bench Drilling Machine

Fig. 28

All Gears are Machine Cut from solid blanks.
Two speeds are obtained by turning the small handle in the rear of the frame.
Lower Spindle bearing is split to enable adjustment to be made for wear.
Table has a turned and polished top and is adjustable for height. Flywheel is also turned and polished.
Spindle is bored to take ½ in. parallel shank drills.

<table>
<thead>
<tr>
<th>Drills Holes up to in.</th>
<th>Drills centre of in.</th>
<th>Spindle to Table in.</th>
<th>Depth of Feed in.</th>
<th>Diam. of Table in.</th>
<th>Approx. Weight lb.</th>
<th>PRICE each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12½</td>
<td>12½</td>
<td>2½</td>
<td>9½</td>
<td>70</td>
<td>£5 0 0</td>
</tr>
</tbody>
</table>

Supplied with 3-jaw chuck, 0–½ in.

“Duplex” Two-Speed Bench Drill

Fig. 31

Hand and variable automatic feed motion is fitted as shown.
Baseplate is slotted to enable the machine to slide forward and overhang the bench for drilling large articles on the floor.
Spindle is fitted with hardened Ball Thrust Bearing and bored to take ½ in. parallel shank drills.
Gears are protected by cast iron gear guard which covers both bevel and spur gears.

<table>
<thead>
<tr>
<th>Drills Holes up to in.</th>
<th>Drills Centre of in.</th>
<th>Vertical Feed in.</th>
<th>Diam. of Spindle to Base in.</th>
<th>Weight lb.</th>
<th>PRICE each</th>
<th>Extra for Hand Wheel for Raising Spindle</th>
</tr>
</thead>
<tbody>
<tr>
<td>1½</td>
<td>16</td>
<td>6</td>
<td>1½</td>
<td>10½</td>
<td>£11 5 0</td>
<td>£12 15 0</td>
</tr>
</tbody>
</table>

Spindle bored to suit ½ in. parallel shanks if required.

Two-Speed Wall and Bench Drill

Fig. 30

Low gear gives sufficient speed for drilling small holes quickly and high gear enables larger holes to be drilled with ease. Gear changed by a half-turn of a small handle.
Spindle fitted with hardened Ball Thrust Bearing and bored to take ½ in. parallel shank drills.
Base-plate is of sturdy design, well ribbed and fitted with Drill Stand as shown.
Morse Taper Spindle at small extra cost.

<table>
<thead>
<tr>
<th>Drills Holes up to in.</th>
<th>Drills Centre of in.</th>
<th>Depth of Feed in.</th>
<th>Spindle to Base in.</th>
<th>Weight lb.</th>
<th>PRICE each</th>
<th>Vee extra, each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1½</td>
<td>12</td>
<td>2½</td>
<td>13</td>
<td>56</td>
<td>£2 8 0</td>
<td>7 6</td>
</tr>
</tbody>
</table>

3-jaw Self-Centring Chuck included in price.
Wall & Bench Drilling Machines

Fig. 711

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Drills Holes up to in.</th>
<th>Drills Centre of in.</th>
<th>Vertical Feed in.</th>
<th>Spindle to Table in.</th>
<th>Total Weight lb.</th>
<th>PRICE complete with Chuck</th>
<th>PRICE Vice extra</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>½</td>
<td>12</td>
<td>2½</td>
<td>13</td>
<td>50</td>
<td>£2 2 0</td>
<td>7/6</td>
</tr>
<tr>
<td>B</td>
<td>1</td>
<td>17</td>
<td>4</td>
<td>21</td>
<td>160</td>
<td>£5 0 0</td>
<td>20/0</td>
</tr>
</tbody>
</table>

Drills extra

Post Drilling Machines

Fig. 4909

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

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

Can be supplied with Plain Spindle to take ½ in. parallel shank Drills, with Self-centring Chuck as illustrated, or bored Morse Taper.

<table>
<thead>
<tr>
<th>Size</th>
<th>Drills Holes up to in.</th>
<th>Depth of Feed in.</th>
<th>Admits in Diameter in.</th>
<th>Length of Pillar in.</th>
<th>Approx. Weight lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>½</td>
<td>2½</td>
<td>11½</td>
<td>30</td>
<td>54</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>4</td>
<td>17½</td>
<td>42</td>
<td>136</td>
</tr>
</tbody>
</table>

Fast and Loose Pulleys can be supplied at extra cost.

Size 3. With Chuck, plain spindle or No. 1 Morse Taper Spindle for drills up to ½ in. £2 10 0

Size 4. With plain or No. 2 Morse Taper Spindle for drills up to 1 in. 5 2 0

With Chuck capacity ½ in. extra 0 15 0

Heavy Drilling Machines

Fig. 845

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

<table>
<thead>
<tr>
<th>Size</th>
<th>Drills holes up to in.</th>
<th>Depth of Feed in.</th>
<th>Admits in Diameter in.</th>
<th>Height of Pillar in.</th>
<th>Approx. Weight set.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>2</td>
<td>6</td>
<td>20</td>
<td>44</td>
<td>3½</td>
</tr>
</tbody>
</table>

Adapters for Spindle to suit No. 3 Morse Taper or ½ in. parallel shank drills, Fast, and Loose Pulleys, also stand for floor machine, can be supplied at extra cost.

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

2, WHITECHAPEL ROAD, LONDON, E.1.

292
Bench Drilling Machines

Fig. 724
Hand or Automatic Feed

For Drilling holes 1/4, 1/2 and 1 in. diameter.

<table>
<thead>
<tr>
<th>No.</th>
<th>Drills Holes up to</th>
<th>Drills Centre of</th>
<th>Depth of Feed</th>
<th>Diam. of Flywheel</th>
<th>Total Height</th>
<th>Weight</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>in.</td>
<td>in.</td>
<td>in.</td>
<td>in.</td>
<td>in.</td>
<td>lb.</td>
<td>Hand Feed</td>
</tr>
<tr>
<td>A</td>
<td>1</td>
<td>9</td>
<td>2 1/4</td>
<td>13</td>
<td>22</td>
<td>42</td>
<td>£2 10 0</td>
</tr>
<tr>
<td>B</td>
<td>1/4</td>
<td>12</td>
<td>4</td>
<td>18</td>
<td>30</td>
<td>104</td>
<td>4 10 0</td>
</tr>
<tr>
<td>C</td>
<td>1</td>
<td>16</td>
<td>4 1/4</td>
<td>20</td>
<td>33</td>
<td>112</td>
<td>6 5 0</td>
</tr>
</tbody>
</table>

“Universal” Portable Radial Drilling Machine

Fig. 420

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

With Extension Arm and Boss fitted to machine as shown on left, it is possible to point the spindle in an unlimited number of positions.

Drilling capacity, up to 1 1/4 in. diameter.

<table>
<thead>
<tr>
<th>Height of Pillar</th>
<th>Diameter of Pillar</th>
<th>Distance Pillar to Spindle</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
<td>in.</td>
<td>in.</td>
</tr>
<tr>
<td>1/2</td>
<td>1 1/2</td>
<td>5 1/2</td>
</tr>
</tbody>
</table>

PRICE
Extension Arm and Boss, extra £1 15 0

A smaller type of machine can be supplied.
Height of Pillar 1 3/4 in., diam. 1 1/4 in., distance Pillar to Spindle 4 in.

PRICE
Extension Arm and Boss, extra £1 7 6

Combined Drill and Tool Grinder

Fig. 32

All Gears are machine cut and run in completely enclosed dustproof case.
When used as Drilling Machine the Grinding Wheel acts as a flywheel.
Spindle is bored to take 1/4 in. parallel shank drills. The Self-Centring Chuck has a capacity of 0-1/2 in.
The Machine is built to withstand hard service and is specially suitable for Garage work.

<table>
<thead>
<tr>
<th>Drills Holes up to</th>
<th>Drills Centre of</th>
<th>Depth of Feed</th>
<th>Spindle to Table</th>
<th>Weight</th>
<th>PRICE</th>
<th>Extra for Automatic Feed Motion</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
<td>in.</td>
<td>in.</td>
<td>in.</td>
<td>in.</td>
<td>each</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>1 1/2</td>
<td>2 1/4</td>
<td>12</td>
<td>65</td>
<td>£3 3 0</td>
<td></td>
</tr>
</tbody>
</table>

Price includes 3-jaw S.C. Chuck and Grinding Wheel 7 x 1 in. with 1 1/4 in. bore.
Millers Falls Bench Drills

**Fig. 1193 (No. 216)**
This Drill has two speeds, even and 3½ to 1, changed by turning knurled sleeve. Cut Gears, Steel Pinions, Ball Thrust Bearings. Crank handle extendible 3 to 6½ in. radius, 3-jaw chuck 0 to ½ in. capacity (round shanks). Table 7½ in. diam. Cast iron frame enamelled black, large gear enamelled red, other machined parts polished. Traverse of automatic feed, 2½ in. Distance from table to chuck, 8 in. Vertical adjustment of table bracket, 5½ in., and 2½ in. adjustment of table in bracket. Height, above bench, 22 in.

**Price** £5 2 9 each

**Fig. 1194 (No. 210)**
A strongly built and accurate Drill with two speeds, 1½ to 1 and 4 to 1, instantly changed by turning knurled sleeve. Steel pinions, cut gears, crank handle extendible 3 to 6 in. radius. Maximum distance from chuck to table, 9 in. Chuck and finish as Fig. 1193.

**Price** £3 5 3 each

**Fig. 1195 (No. 207)**
This Drill is built on simple lines and is suitable for light work. It is fitted with hand-feed wheel at top of frame. One speed ratio 3 to 1, 3-jaw chuck, capacity 0½ to ½ in. (round shanks), cut gears and steel pinions. Maximum distance from chuck to table, 4½ in. Frame cast iron, enamelled black, feed wheel and large gear wheel enamelled red. Chuck nickelled.

**Price** £1 14 6 each

Millers Falls Bench Drill Presses

**Fig. 4145 (M.F. No. 20)**
Standard and fixtures that readily convert a breast drill into an efficient bench drill for metal drilling.

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

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

The drill is fed by hand wheel at top of tool. Steel feed gears. Steel post and machined parts polished. Other metal parts japanned.

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

**Price** without Breast Drill, 46/2 each.

**Fig. 4146 (M.F. No. 21)**
Similar to above but with built-in drilling attachment permanently fixed.

**Price** complete 65/3 each

**Fig. 4147 (M.F. No. 22)**
This consists of the standard and fixtures that convert a hand drill into an effective small bench drill for wood or metal.

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

Made of steel and iron japanned.

**Note.**—This standard will hold the following Millers Falls hand drills, Nos. 1, 2, 5, and 8.

Drills Nos. 980 and 1980 require a special clamp.

Height of standard above bench, 15½ in.

**Price** Without Hand Drill 15/11 each

**Fig. 4148 (M.F. No. 23)**
Similar to above but with built-in drilling attachment permanently fixed.

**Price** 27/6 each
Millers Falls Breast Drills

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

This Drill has an easily adjusted ratchet and five different actions:
Neutral position, which gives the drill the ordinary direct drive without ratchet action.
Right hand ratchet action in which chuck stops turning on backward stroke of crank.
Left hand ratchet action.
Continuous right hand ratchet action in which chuck turns continuously to the right on both forward and backward strokes of crank.
Continuous left hand ratchet action.

Speed is instantly changeable without removing drill from work by moving knob on crank handle.
Gear ratios, even and $2\frac{1}{2}$ to 1. There is a double gear drive resulting in very steady action. All the gears have cut teeth and the small gears are of steel.

The crank handle is adjustable for use as an ordinary crank or as a straight lever for ratchet action in cramped quarters, or putting greater power into the stroke. Easily switched by a half turn of crank handle. Fitted with 3-jaw chuck, 0 to $\frac{1}{4}$ in.
Hardwood handles stained, malleable iron frame black enamelled, large gear and breast plate red, other metal parts nickelled. $8\frac{4}{4}$ oz.

Fig. 3610 (M.F. No. 12) as illustrated, also Fig. 3608 (M.F. No. 118)

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

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

Has an extensible crank with radius from 4 to 6 in. giving added power to the tool. The breastplate is also adjustable to different positions. The patent level attachment is a serviceable feature. Equipped with master chuck for bit-stock shanks, round shanks from $\frac{1}{4}$ in. and No. 1 Morse Taper Shanks.
Stained hardwood handles; large gear enamelled red, breast plate and malleable iron main stock enamelled black; chuck and crank nickelled.

PRICE: Fig. 3610 (as illustrated) 20/6 each.
Fig. 3608; similar to above except being equipped with a 3-jaw chuck for straight shank drills, 0 to $\frac{1}{4}$ in. 20/6 each.

Fig. 6274 (M.F. No. 112)

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

PRICE 10/5 each
Octagon Shell 2/1 extra

Fig. 846 (M.F. No. 120)

A low-priced drill for those whose work does not require the refinements of the higher-priced tools.
Two speeds—even and 3 to 1, 3-jaw chuck with capacity 0 to $\frac{1}{2}$ in. Adjustable breast plate, cut gears, pinion of steel and frame of rolled steel and cast iron.

PRICE 12/6 each

Fig. 6272 (M.F. No. 2100)

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

PRICE 18/3 each

ROSE TOOLS, INC.

2, WHITECHAPEL ROAD, LONDON, E. 1.
Breast Drills

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

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

17/6 each

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

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

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

Fitted with 3-Jaw Chuck for holding drills from 0 to 1/4 in.

PRICE 23/6 each

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

Fig. 3801

With Right and Left-hand continuous ratchet movement

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

In the third notch it becomes a right-hand ratchet.

In the fourth notch the chuck continues to revolve to the right, no matter which way the handle is turned.

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

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

No. 550, single speed, with 2-jaw chuck 39/2 each

555, double 46/8

No. 1550, single speed, with 3-jaw chuck 39/3 each

1555, double 46/8

Capacity of chuck 1/8 in.

"Roebuck" Breast Drills

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

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

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

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

No. 1 has two speeds and will drill up to 3/8 in. diam., fitted with 3-jaw Chuck and No. 1 Morse Taper Socket.

Length overall about 19 in. PRICE 29/6 each
BUCK & HICKMAN, LTD.,

"Record" Breast Drills

Fig. 373 (No. 144)

Specification
Chuck. 3-Jaw all-steel chuck with hardened jaws and protected springs. Nickel-plated finish.
Speed. Two. Press plunger for quick change.
Handles. Stained hardwood. The crank handle is extensible from 4 to 6 in. radius.
Capacity 0–½ in. round shanks.
Length 17 in. Weight 5½ lb.
PRICE ... 15/ each
As above but fitted with Master 2-Jaw Chuck
PRICE ... 16/6 each

Fig. 374 (Nos. 145 and 146)

Specification No. 146 (as illustrated).
Speed. Two. Press plunger for quick change.
Adjustable breast plate. Spirit level attached.
Handles. Solid hardwood. The crank handle is extensible from 4 to 6 in. radius.
Capacity ½–½ in. round shanks, bit stock shanks and No. 1 Morse taper shanks.
Length 18 in. Weight 6 lb.
PRICE ... 22/6 each
No. 145. As above but fitted with 3-Jaw chuck. Capacity 0 to ½ in. round shanks ...
PRICE 21/ each

Chapman Breast Drills

Fig. 391

No. 97
Made in three types. All black parts have two coats hard stove-enamel finish. Gear wheel, orange enamel and Cadmium plated, other bright parts are chromium plated. The whole is definitely rust proof. Handles are of Teak and Cellulose polished. Two speed gear change. Hardened ball thrust.
No. 99 has concealed chuck springs.
No. 97 Alligator Jaw Type
" 98 Master Chuck Type, cap. 0–½ in.
" 99 3-Jaw Chuck Type, cap. 0–½ in.
PRICE 12/ each
PRICE 15/ each
PRICE 12/6 each

2, WHITECHAPEL ROAD, LONDON, E. 1.

297
BUCK & HICKMAN, LTD.,

**Millers Falls Hand Drills**

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

Two speeds, 1½ to 1 and 4 to 1, changed by rotating knurled sleeve on spindle. Three-jaw chuck with capacity 0-½ in.

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

**PRICE.** No. 1980 with ratchet operating left or right... 26/3 each

... No. 980 without ratchet... 21/8

*Fig. 3615 (M.F. No. 2)*

This drill has black enamelled frame and other metal parts nickelated, it is fitted with a three-jaw chuck holding drill points 0-⅓ in.

The handle is hollow and contains eight fluted points.

**PRICE 18/9 each**

*Fig. 3613 (M.F. No. 3)*

The main handle of this drill is hollow with screw cap and accommodates drill points up to the capacity of the chuck. Cut gears and three-jaw chuck to hold drills up to ⅛ in.

**PRICE including eight drill points 13/9 complete**

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

Three-jaw chuck with capacity 0-½ in.

Steel pinion and cut gears. Malleable iron frame enamelled black. Large gear enamelled red. **PRICE 5/6 each**

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

for use on wood and soft metals only.

**PRICE... 1/3 per set**

**Goodell-Pratt Hand Drill**

*Fig. 3618 (G.P. No. 41)*

This drill has a polished rosewood handle with screw cap for accommodating drills. All teeth are machine cut. It is fitted with a three-jaw chuck for holding drill points 0 to ½ diam.

**PRICE 10/6 each, with eight-drill points ⅛ to ⅜ in.**

2, WHITECHAPEL ROAD, LONDON, E. 1.
Goodell-Pratt Hand Drill

Fig. 4915 No. 5 1/2
Fig. 4916 5 1/2B

This drill has two speeds and is fitted with 3-jaw chuck for holding drills from 0 to 1/4 in.

PRICE, No. 5 1/2 (with hollow handle) ... 18/9 each
... 5 1/2B (with solid handle) ... 18/9

"Yankee" Hand Drill

Fig. 3802 (No. 1540)

With right and left-hand and continuous ratchet motion.

No. 1545 Double speed, has 3-jaw chuck and will hold round shank drills up to 1/2 in. diam.
Handle has magazine for drills. Large gear 1 1/2 in. diam. Small gear 1 1/4 in. diam. PRICE 40/6 each
... 40/6
... 33/4

No. 545 Double speed, similar to No. 1545, except that it has a 2-jaw chuck
... 33/4

No. 1540 Single speed, similar to No. 1545, except that it has only one speed (illustrated)
... 33/4

No. 540 Single speed, similar to No. 545, except that it has only one speed

"Record" Hand Drills

Fig. 375

... 7/6

No. 123 As above, but with hollow hardwood handle and idler pinion. Length 14 1/2 in.
... 8/9, with 7 drills, 10/9

Fig. 376

PRICE 11/6 each

Fig. 377

Similar to Fig. 376 above, but has a nickel-plated hollow steel handle with Bakelite knob. Length 13 1/2 in. Capacity 0 to 1/4 in.
PRICE, as shown ... 13/6 each
... with 7 twist drills 15/6

2, WHITECHAPEL ROAD, LONDON, E.1.
299
Chapman Hand Drills

No. 104
Single pinion, malleable iron frame, capacity 0–¼ in. Chuck has hardened jaws and pad with concealed springs. Steel parts bright finish, all other parts two coats stowed black and red enamel.

PRICE 5/6 each

No. 105
Double pinion, malleable iron frame, capacity 0–¼ in. Chuck has hardened jaws and pad, with concealed springs. Steel parts nickel-plated, all other parts two coats stowed black and red enamel.

PRICE 7/ each

No. 106
Double pinion, frame turned from the solid, hardened pinions, capacity 0–¼ in. Chuck has hardened jaws and pads, with concealed springs. Bright parts chromium and cadmium plated, all other parts two coats stowed black and red enamel. Two positions of handle.

PRICE 8/ each

Reciprocating Drill

Fig. 4921
(Made in U.S.A.)
(G.P. No. 0)

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

Spiral is polished steel 12¼ in. long accurately cut to 20° slant.

Chuck is all steel with three hardened jaws for holding drills 0 to ½ in. diam.

PRICE 10/6 each

Chain Drills

Fig. 4142 (M.F. Nos. 717, 718, 719)
(Made in U.S.A.)

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

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

These drills are fitted with a ball thrust bearing.

No. 717. Has socket hole for drills with ½ in. round shanks which are held fast by a square head set screw.

Length of main spindle, 8½ in.

PRICE 14/6 each

No. 718. Master Chuck holds bitstock shanks, round shanks from ½ to ½ in., and No. 1 Morse Taper shanks.

Length with Chuck inserted, 11¾ in.

PRICE 21½ each

No. 719. Equipped with a Miller’s Falls Three-Jaw Chuck for holding round shanks up to ½ in. diameter.

Length with Chuck inserted, 11¾ in.

PRICE 23½ each

2, WHITECHAPEL ROAD, LONDON, E. 1.

300
BUCK & HICKMAN, LTD.,

Bolt Croppers (Made in U.S.A.)
Fig. 390
Adjustment of the jaws is provided for by the simple turn of a screw. All parts are interchangeable.

<table>
<thead>
<tr>
<th>No.</th>
<th>Capacity</th>
<th>Length in.</th>
<th>Approx. Weight lb.</th>
<th>PRICE each</th>
<th>Extra Jaws per pair</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-OK</td>
<td>10</td>
<td>11</td>
<td>11/6</td>
<td>11</td>
<td>8</td>
</tr>
<tr>
<td>14-OK</td>
<td>14</td>
<td>12</td>
<td>12/6</td>
<td>12</td>
<td>7</td>
</tr>
<tr>
<td>6-NE</td>
<td>18</td>
<td>16</td>
<td>16/6</td>
<td>16</td>
<td>5</td>
</tr>
<tr>
<td>1-NE</td>
<td>24</td>
<td>21</td>
<td>21/6</td>
<td>21</td>
<td>10/6</td>
</tr>
<tr>
<td>2-NE</td>
<td>36</td>
<td>8</td>
<td>8/6</td>
<td>8</td>
<td>10/6</td>
</tr>
<tr>
<td>3-NE</td>
<td>42</td>
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<td>10/6</td>
</tr>
<tr>
<td>4-AR</td>
<td>17</td>
<td>50</td>
<td>50/6</td>
<td>50</td>
<td>12/6</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Size in.</th>
<th>Capacity</th>
<th>Length in.</th>
<th>PRICE</th>
<th>Extra Jaws per pair</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>1/4</td>
<td>15/6</td>
<td>10/6</td>
<td>14/6</td>
</tr>
<tr>
<td>24</td>
<td>1/8</td>
<td>25/6</td>
<td>14/6</td>
<td>12/6</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>No.</th>
<th>To Split Nut</th>
<th>Approx. length in.</th>
<th>Approx. weight lb.</th>
<th>PRICE each</th>
<th>Extra Jaws per pair</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 8S</td>
<td>Standard in.</td>
<td>14</td>
<td>21</td>
<td>17/9</td>
<td>12/9</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>18</td>
<td>31/2</td>
<td>22/6</td>
<td>16/6</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>24</td>
<td>5</td>
<td>28/9</td>
<td>21/6</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>30</td>
<td>12</td>
<td>25/9</td>
<td>21/6</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>36</td>
<td>13</td>
<td>44/9</td>
<td>26/6</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>42</td>
<td>17</td>
<td>64/6</td>
<td>34/6</td>
</tr>
</tbody>
</table>

Electric Wire Cutters (Made in U.S.A.)
Fig. 255. (Not insulated). Fig. 255 I. (With Insulated Handles).
Adjustment for wear is provided for by adjusting sections.

<table>
<thead>
<tr>
<th>Number</th>
<th>Capacity</th>
<th>Average Opening Jaws in.</th>
<th>Approx. Length</th>
<th>Approx. weight</th>
<th>PRICE, each</th>
<th>Extra Jaws, per pair</th>
</tr>
</thead>
<tbody>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fig. 255</td>
<td>Fig. 255 I</td>
<td>Fig. 255</td>
<td>Fig. 255 I</td>
<td>Fig. 255</td>
<td>Fig. 255 I</td>
<td>Fig. 255</td>
</tr>
<tr>
<td>0-WC</td>
<td>0-WC</td>
<td>Fig. 255</td>
<td>Fig. 255 I</td>
<td>Fig. 255</td>
<td>Fig. 255 I</td>
<td>Fig. 255</td>
</tr>
<tr>
<td>1-X</td>
<td>1-X</td>
<td>18</td>
<td>34</td>
<td>27/2</td>
<td>11/6</td>
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<td>2</td>
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<tr>
<td>3</td>
<td>3</td>
<td>30</td>
<td>8</td>
<td>40/6</td>
<td>21/6</td>
<td>21/6</td>
</tr>
</tbody>
</table>

Compact Bolt Cutter & Nut Splitter (Made in U.S.A.)
Fig. 828
This tool combines small size, great power, and ease of operation, it can be used in awkward corners and positions. Made in two styles as illustrated. It measures only 7 1/2 in. long, but will cut a 3/4 in. bolt in the thread or a 1/4 in. diam. rod.

Although designed for the automotive trade, it can be used for many other purposes. Construction consists of a pair of cutting jaws actuated by a transverse power screw, turned by a ratchet wrench applied to the 3/4 in. squared section at either end of screw.

PRICE, either end cut or angular cut style
Hypova Shear Cutters can also be supplied. Prices on application.

2, WHITECHAPEL ROAD, LONDON, E. 1.
BUCK & HICKMAN, LTD.,

"Record" Bolt Cutters & Nut Splitters Fig. 827

<table>
<thead>
<tr>
<th>No. of Bolt Cutter</th>
<th>Length in.</th>
<th>Cuts Bolts. in.</th>
<th>Cuts Soft Steel Rod approx. lb.</th>
<th>Weight Price each</th>
<th>Extra Jaws per pair</th>
<th>No. of Nut Splitter</th>
<th>Splits Nuts in.</th>
<th>Price each</th>
<th>Extra Jaws per pair</th>
</tr>
</thead>
<tbody>
<tr>
<td>600</td>
<td>18</td>
<td>¾</td>
<td>¾</td>
<td>3½</td>
<td>16/6</td>
<td>8/6</td>
<td>600SNS</td>
<td>22/3</td>
<td>15/3</td>
</tr>
<tr>
<td>601</td>
<td>24</td>
<td>¾</td>
<td>¾</td>
<td>4</td>
<td>21/2</td>
<td>10/6</td>
<td>601SNS</td>
<td>26/3</td>
<td>16/3</td>
</tr>
<tr>
<td>602</td>
<td>30</td>
<td>¾</td>
<td>3½</td>
<td>5</td>
<td>29/6</td>
<td>14/6</td>
<td>602SNS</td>
<td>35/6</td>
<td>21/3</td>
</tr>
<tr>
<td>603</td>
<td>36</td>
<td>¾</td>
<td>1½</td>
<td>6</td>
<td>37/6</td>
<td>18/6</td>
<td>603SNS</td>
<td>44/3</td>
<td>26/6</td>
</tr>
<tr>
<td>604</td>
<td>42</td>
<td>¾</td>
<td>1½</td>
<td>7</td>
<td>56/6</td>
<td>22/6</td>
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<td>1½</td>
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<td>614SNS</td>
<td>18½</td>
<td>12½</td>
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<td>14</td>
<td>¾</td>
<td>4</td>
<td>2½</td>
<td>12/6</td>
<td>7½</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

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

**Flat-Nose Pliers** Fig. 2145 (No. 100)
Open Throat, Parallel Jaws, Closed-In Handles, Full Nickel-Plated.

<table>
<thead>
<tr>
<th>Size</th>
<th>¾</th>
<th>5/₄</th>
<th>6/₄</th>
<th>8 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>3/3</td>
<td>4½</td>
<td>5½</td>
<td>6½</td>
</tr>
</tbody>
</table>

**Round-Nose Pliers** Fig. 2146 (No. 101)

| Size 8½ in. | PRICE 5½ each |

**Light Pattern Flat-Nose & Round-Nose Pliers**

Fig. 2147 (No. 103) Flat Nose
Fig. 2148 (No. 104) Round Nose

| Size 5 in. | PRICE 4½ each |

**Cutting Pliers** Fig. 2149 (No. 102)

<table>
<thead>
<tr>
<th>Size 4½ in.</th>
<th>5½</th>
<th>6½</th>
<th>8 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>5/₄</td>
<td>5/₉</td>
<td>7/₆</td>
</tr>
</tbody>
</table>

**Light Pattern Cutting Pliers**

Same pattern as Fig. 2149
Fig. 2150 (No. 105)

| Size 5 in. | PRICE 6½ each |

**Belt Punch and Pliers** Fig. 3899 (No. 115)
For cutting and piercing round leather belting in one operation.

5 in. for ¾ in. belt, 6 in. for ½ in. belt.

<table>
<thead>
<tr>
<th>Size</th>
<th>5 in.</th>
<th>6 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>6/₆</td>
<td>7/₃</td>
</tr>
</tbody>
</table>

2, WHITECHAPEL ROAD, LONDON, E. 1.

375
### Best Quality Genuine "Lancashire" Cutting Pliers

#### Bell Hangers’ Cutting Pliers
- **Fig. 2117**
  - Taper Nose
  - Size: up to 3\(\frac{1}{4}\)
  - **Price**: flat nose

#### Diagonal Cutting Pliers
- **Fig. 115**
  - Size: up to 5\(\frac{1}{8}\)
  - **Price**: taper nose

#### Wide-Hole Telegraph Cutting Pliers
- **Fig. 2120**
  - Flat Nose
  - Size: up to 5\(\frac{1}{2}\)
  - **Price**: flat nose

#### "Thunderbolt" Insulated Cutting Pliers
- **Fig. 2134B**
  - Pure Rubber Covered Handles
  - **Price**: in each

#### Electricians’ Pliers Solid Steel
- **Fig. 3868**
  - Without Burner Hole
  - **Price**: in each

#### Flat Nose Pliers Round Nose Pliers
- **Fig. 2124**
  - Flat Nose
  - Size: up to 2\(\frac{1}{4}\)

#### Linesman’s Pliers
- **Fig. 116**
  - Heavy Pattern
  - **Price**: 4\(\frac{1}{4}\) each

#### Combination Pliers
- **Fig. 828**
  - Burner Hole and cutting jaws

#### Snipe Nose or Linking-up Pliers
- **Fig. 1744**
  - **Price**: each

#### Pendulum Pliers
- **Fig. 2127**
  - Size: up to 4\(\frac{1}{4}\)
  - **Price**: 2\(\frac{1}{2}\)

#### Milliners’ Pliers
- **Fig. 1743**
  - **Price**: 1/8 ea.

#### Furriers’ Pliers
- **Fig. 4986**
  - Width of Nose: 5\(\frac{1}{4}\)
  - **Price**: 3\(\frac{1}{4}\) each

---

**Weavers’ Pliers, Stockinger Pliers, Warp Pliers, &c. Prices on application.**

---

2, WHITECHAPEL ROAD, LONDON, E. 1.

---

ROSE TOOLS, INC.
ROSE TOOLS, INC.

BUCK & HICKMAN, LTD.,

Carew's Nippers
(Made in U.S.A.)
With Adjustable Jaws
Fig. 3633

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
<td>each</td>
</tr>
<tr>
<td>8</td>
<td>16/3</td>
</tr>
<tr>
<td>10</td>
<td>18/5</td>
</tr>
<tr>
<td>12</td>
<td>20/8</td>
</tr>
<tr>
<td>14</td>
<td>25/</td>
</tr>
</tbody>
</table>

Extra Jaws per pair
For 8 in., 4/9
10      5/   
12      5/5  
14      5/8  

Cutting Nippers
(Foreign)
For Hard Steel Wire
Fig. 2141

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
<td>each</td>
</tr>
<tr>
<td>5</td>
<td>3/</td>
</tr>
<tr>
<td>6</td>
<td>3/6</td>
</tr>
<tr>
<td>7</td>
<td>4/</td>
</tr>
<tr>
<td>8</td>
<td>4/6</td>
</tr>
</tbody>
</table>

Telegram and Fencing Wire Pliers
Fig. 3973

Solid wrought Steel

<table>
<thead>
<tr>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>in.</td>
<td>each</td>
</tr>
<tr>
<td>8</td>
<td>2/10</td>
</tr>
<tr>
<td>10</td>
<td>3/</td>
</tr>
<tr>
<td>12</td>
<td>3/10</td>
</tr>
</tbody>
</table>

Starrett's Adjustable Jaw Cutting Nippers
(Made in U.S.A.)
Fig. 3630

(No. 1)
Jaws detachable and adjustable.
5½ in. open to ½ in.
7 in. open to ⅜ in.
For Bicycle use, specially formed jaws also furnished.

Price each
5½ in. M (for music wire) 22/6
5½ C (for common use) 23/2
5½ B (for bicycle use) 23/2
7 either M, C, or B 29/6
Extra Jaws either M, C, or B, which should be designated as above, per pair 4/6

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

2, WHITECHAPEL ROAD, LONDON, E. 1.
### Gas Pliers
(Fig. 2095)

<table>
<thead>
<tr>
<th>Size</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>12</th>
<th>14 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>2/3</td>
<td>2/6</td>
<td>3/3</td>
<td>3/9</td>
<td>4/3</td>
<td>5/6</td>
<td>6/6 each</td>
</tr>
</tbody>
</table>

### Combination Gas Pliers
(Fig. 2096)

<table>
<thead>
<tr>
<th>Size</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>1/8</td>
<td>2/6</td>
<td>2/4</td>
<td>4/6</td>
<td>4/9 each</td>
</tr>
</tbody>
</table>

### Burner Pliers
(Fig. 2153: 2 Holes, 5 in., Black 4/ each, Bright 2/ each, 1 hole, 5 in., Black 3/7 each, Bright 4/2 each)

### Patent Steel Pliers

#### Combination or Household Pliers

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

(Fig. 2129)

<table>
<thead>
<tr>
<th>PRICES</th>
<th>Doz.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 in. Half-bright</td>
<td>14/6</td>
<td>1/3</td>
</tr>
<tr>
<td>Frosted Nickel-plated</td>
<td>23/6</td>
<td>2/6</td>
</tr>
</tbody>
</table>

#### Combination Gas Pliers
(Fig. 2157)

<table>
<thead>
<tr>
<th>Containing Large and Small Holes, Wire Cutters, Pipe Opener, and Turn Screw.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICES</td>
</tr>
<tr>
<td>8 in. Rough Black Finish</td>
</tr>
<tr>
<td>Bright Jaws, Black Handles</td>
</tr>
</tbody>
</table>

### Strong Plain Steel Pliers
(Fig. 2130)

<table>
<thead>
<tr>
<th>Solid Welded Nose</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICES</td>
</tr>
<tr>
<td>6 in. Half-bright, Flat Nosed Pliers</td>
</tr>
<tr>
<td>Round</td>
</tr>
</tbody>
</table>

### Barbed Wire Fencing Pliers
(Fig. 2143)

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

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

### Motor Cone Pliers Black
(Fig. 1748)

<table>
<thead>
<tr>
<th>Pressed Steel Hollow Handles.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICES</td>
</tr>
<tr>
<td>8 in.</td>
</tr>
</tbody>
</table>

### Glass Pliers
(Fig. 2128)

<table>
<thead>
<tr>
<th>Size up to</th>
<th>6</th>
<th>6i</th>
<th>7</th>
<th>8 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>3/5</td>
<td>3/9</td>
<td>4/4</td>
<td>5/ each</td>
</tr>
</tbody>
</table>

### Combination Slip-Joint Pliers
(Fig. 104)

<table>
<thead>
<tr>
<th>Solid Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length 6 in.</td>
</tr>
</tbody>
</table>

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

2, WHITECHAPEL ROAD, LONDON, E.1.
BUCK & HICKMAN, LTD.,

Bright Steel Ticket Nippers

Fig. 2156

Size 5 in. To cut out patterns 1 to 24

25 26 27 28 29 30 31 32 33 34 35 36

To impress in addition to No. 11 cut —

One figure or letter

Two "

With cuts, Nos. 2 to 24

PRICE per pair

... ... ... ... ... ... ... ... ... ...

3/8 5/8 5/8 7/8 7/8 7/8 7/8 7/8

Bright Ticket Nippers

Fig. 2151

Length 5¾ in. to cut out O. Black

To cut patterns 2 to 19

... 20 37

To impress one letter or figure (no cut)

two "

If required to impress letters or figures above or below the piece cut out.

One Letter 1/4 per pair extra.

Two " 2/6 "

Three " 2/6 "

PRICE per pair

... ...

5/6 5/6 5/6 5/6 7/6

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

Ticket Nippers

Fig. 114

Nickel-plated. Length 4¾ in.

To cut out any of the above patterns.

PRICE ... 11/4 each
BUCK & HICKMAN, LTD.,

Special Telegraph Tools

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

Special quotations given on receipt of specification.

Fig. 2159

Parley's Pattern

Draw Vice

With Ratchet

Size of Vice... 4 in.
Length overall... 8 in.

PRICE... 20s each, including key.

Fig. 2160

Ordinary Pattern

Draw Vice

With Ratchet

Size of Vice... 4 in.
Length overall... 11 in.

PRICE, with key... 19s 6d 23s 6d 26s 6d 45s 50s 72s 6d 100s each

Ratchet for Draw Tongs

(Extra Strong)

Fig. 2163

Price... 7/6 each

Including key... 17/6 each.

Fig. 2165

Tension Ratchet

To indicate up to... 1700 4000 6000 10000 15000 20000 30000 lb.

PRICE... 31s 6d 6s 6d 8s 6d 10s 6d 12s 6d 17s 6d 25s each

Complete with key...

WIRE TAILS for use with Draw Vices, etc.

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

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

170 lb. Tension and Double Sliding Draw Tong

Fig. 1765

For 100, 150, and 200 lb. wire

PRICE... 39s each.

Improved Light Draw Tong

Fig. 2167

PRICE... 3/6 each

Can be supplied in heavier sizes according to requirements. Also made double-sided or "Universal."

To grip wire... 1/4 in.

PRICE... 24s 28s 32s each.

Tension Indicator

Fig. 4351

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

PRICE... 27s 0s 0s each

Parallel Grip Draw Tongs

Fig. 1766

Fig. 1767

To grip wire... 1/4 in.

PRICE... 48s each.

2, WHITECHAPEL ROAD, LONDON, E.1.
Special Telegraph Tools—continued

Extra Heavy Pulling Clamp. Fig. 1770
14,000 lbs. Working Load

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

Flat Pulling Clamp
Fig. 6102
Grooved for wire. Also made with book instead of link.
Price on application.
When enquiring for price it is important to state size and type of conductor and also the working tension.

The “Slack Puller” (Made in U.S.A.)
Fig. 1768
Takes the place of block and tackle and enables one man to do the work of four.

| No. 730 | For strains up to 3,000 lb., fitted with book. | £12.15.0
| No. 731 | For strains up to 6,000 lb., fitted with clevis. | £13.15.0
| No. 7100 | For strains up to 10,000 lb., fitted with clevis. | £24.15.0

“Come-along” Tong
Fig. 6101

Devs by Claw
Fig. 2166
4/6 each

Dutch Draw Tong
Fig. 2168
5/ each

Jointers’ Vice
Fig. 2173
Bright, on brass stand, with key
Price, 34/ each
Can also be supplied on fitted wood block
Price on application
Also made on steel stand.

Britannia Joint Vice
Fig. 6104
Price
12/6 each

Twisting Clamp
For use on Sockets
Fig. 6103
5/ each

Steel Draw-in Tapes
Fig. 172

68 ft. x 1/4 in. Price, 4/ each
88 ft. x 1/4 in. 4/6
Special Telegraph Tools—continued

Improved Stay Splicing Tool

Fig. 2175

DIRECTIONS FOR USE

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

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

Jointers' Splicing Clamps

<table>
<thead>
<tr>
<th>Capacities</th>
<th>Wire</th>
<th>Sleeves</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 in.</td>
<td>-148 in.</td>
<td>-251 x -148 in.</td>
</tr>
<tr>
<td>Clamps</td>
<td>-128</td>
<td>-213 x -128</td>
</tr>
<tr>
<td></td>
<td>-107</td>
<td>-179 x -107</td>
</tr>
<tr>
<td></td>
<td>-92</td>
<td>-148 x -92</td>
</tr>
<tr>
<td>10 in.</td>
<td>-210 in.</td>
<td>-475 x -210 in.</td>
</tr>
<tr>
<td>Clamps</td>
<td>-185</td>
<td>-405 x -185</td>
</tr>
<tr>
<td></td>
<td>-182</td>
<td>-372 x -182</td>
</tr>
<tr>
<td></td>
<td>-1405</td>
<td>-290 x -1405</td>
</tr>
</tbody>
</table>

PRICES

<table>
<thead>
<tr>
<th>Sizes</th>
<th>7 in.</th>
<th>10 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 in.</td>
<td>7/6</td>
<td>10/6 each.</td>
</tr>
<tr>
<td>7 in.</td>
<td>7/9</td>
<td>11/9</td>
</tr>
<tr>
<td>7 in.</td>
<td>9/6</td>
<td>14/7</td>
</tr>
</tbody>
</table>

Woven Wire Cable Grips

Fig. 9811

For drawing Cables from the end.

<table>
<thead>
<tr>
<th>Size</th>
<th>1</th>
<th>1½</th>
<th>2 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single end loop</td>
<td>14/6</td>
<td>17/6</td>
<td>21/6 each.</td>
</tr>
<tr>
<td>Double end loop</td>
<td>17/6</td>
<td>21/6</td>
<td>24/6 each.</td>
</tr>
<tr>
<td>Size</td>
<td>2½</td>
<td>3</td>
<td>3½ in.</td>
</tr>
<tr>
<td>Single end loop</td>
<td>22/6</td>
<td>22/6</td>
<td>22/6 each.</td>
</tr>
<tr>
<td>Double end loop</td>
<td>26/6</td>
<td>26/6</td>
<td>26/6</td>
</tr>
</tbody>
</table>

Vice and Twister

Fig. 1771

State size of wire to be twisted.

Price on application.

Test Borer for Wood (Foreign)

Fig. 684

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

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

A. To bore core diameter of 4.35% to a depth of 7½ in. (200%)

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

Borer only with clearing rod

| Sizes | 37½/6 | 30/6 |

2, WHITCHEAPEL ROAD, LONDON, E. 1.
Special Telegraph Tools—continued

Jointers' Tents

Fig. 2169

Wood Frame.

As used by the G.P.O.

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

Size A. Height, 6 ft.; Length, 5 ft.; Width, 3 ft. 3 in.; Weight, 118 lb.

PRICE, £8 17 6

Size B. Height, 6 ft.; Length, 5 ft.; Width, 4 ft.; Weight, 120 lb.

PRICE, £9 5 0

Iron Frame.

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

Size C. Height, 6 ft.; Length, 5 ft.; Width, 3 ft. 3 in.; Weight, 94 lb.

PRICE, £9 15 0

Size D. Height, 6 ft.; Length, 8 ft.; Width, 3 ft. 6 in.; Weight, 125 lb.

PRICE, £12 2 6

Galvanometer-Detector

Fig. 2182

With Quantity and Intensity Coils.

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

Quantity Coil wound to 2 ohm.

Intensity Coil wound to 100 ohms.

Polarized Needles.

Fitted in Polished Mahogany Case.

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

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

Contact Clearing Rods

Fig. 2174

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

PRICE, complete £15 0

Linesmen's Blocks and Falls

Fig. 2170

Standard Set consists of a pair of 2 and 3-shape Pulley Blocks, best London made, galvanized and fitted with G.M. Sheaves, and rewound with 80 ft. best Manila Rope.

PRICE, 40/- per set.

Can be made to any specification.

Inspection Mirror

Fig. 460

Nickel-plated handle. Screw stem to mirror.

Supplied plain or magnifying.

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

Supplies

For Telegraph and Telephone Line Work


2, WHITECHAPEL ROAD, LONDON, E.1.
BUCK & HICKMAN, LTD.,

Special Telegraph Tools—continued

---

**LINESMAN'S SAFETY BELTS FOR POLES**

*Fig. 6110.* **PRICE.** 30¢ each.

**SAFETY BELT FOR LAMP STANDARDS**

With Hooks

*Fig. 6111.* **PRICE.** 63¢ each.

---

**TELEGRAPH FIRE POTS**

*Fig. 472*

Diam. of Body, 7 in.

Height to top of body, 14½ in.

**PRICE.** 6/6 each.

---

**HAND VICE**

With Shackle and Strap. *Fig. 2172*

5 in. Vice, Strap 6 ft., long x 1½ in. wide

18¢ each.

**CLOCK THROWS**

*Fig. 2181*

Complete as illustrated

£7 0 0 each.

---

**GUY ANCHORS**

*Fig. 175*

All rods galvanized

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

<table>
<thead>
<tr>
<th>Dia. of Head (in.)</th>
<th>Size of Rods (in.)</th>
<th>Length (ft.)</th>
<th>Weight (lb.)</th>
<th>PRICE each</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Round</td>
<td>6</td>
<td>7½</td>
<td>14/3</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>6</td>
<td>9½</td>
<td>16/6</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>6</td>
<td>11</td>
<td>20/6</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>6</td>
<td>13</td>
<td>26/6</td>
</tr>
<tr>
<td>8</td>
<td>Square</td>
<td>6</td>
<td>40</td>
<td>76/6</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>6</td>
<td>66</td>
<td>94/6</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>6</td>
<td>90</td>
<td>123/6</td>
</tr>
<tr>
<td>Wrench for Round Anchors</td>
<td>5ft. 4in.</td>
<td>30</td>
<td>44/6</td>
<td></td>
</tr>
<tr>
<td>Earth Auger for all sizes</td>
<td>5ft. 11in.</td>
<td>20</td>
<td>55/6</td>
<td></td>
</tr>
</tbody>
</table>

---

**SCREW PICKETS**

*Fig. 463*

**PRICES**

Standard Sizes

| ⅜ in. x 2 ft. | 7 6 each |
| 6 in.         | 9 6 each |
| 5/6 each      | 10 6 each |
| ⅜ in. x 3 ft. | 6 in.    |
| 7 6 each      | 10 6 each |
| 1 in. x 5 ft. | 25 ½ each|

Other sizes to your specification **Prices on application**

---

**ADJUSTABLE POLE-SETTING PLUMB LEVEL**

*Fig. 2180*

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

28¢ each.

---

2, WHITECHAPEL ROAD, LONDON, E. 1.

549

ROSE TOOLS, INC.
**ROSE TOOLS, INC.**

**BUCK & HICKMAN, LTD.**

### Block Shears

![Block Shears](Image)

**Fig. 1829 (Left Hand)**

**PRICE:** 4½ per lb. Smaller than 8 lb. each charged at 8 lb.

### Stock Shears

![Stock Shears](Image)

**Fig. 1830 (Right Hand)**

**PRICE:** 4½ per lb. Smaller than 8 lb. each charged at 8 lb.

### Tinmen's Snips, Toggle Jointed

![Tinmen's Snips, Toggle Jointed](Image)

**Fig. 4616. Straight**

<table>
<thead>
<tr>
<th>Length</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>6/3</td>
<td>6/9</td>
<td>7/6</td>
<td>8/6</td>
<td>8/9</td>
<td>each</td>
</tr>
</tbody>
</table>

If supplied with Bent Blades, 2/6 each extra

### Tinmen's Snips, Solid Steel

![Tinmen's Snips, Solid Steel](Image)

**Fig. 4615. Heavy Blade**

<table>
<thead>
<tr>
<th>Length</th>
<th>8</th>
<th>10</th>
<th>12</th>
<th>14</th>
<th>16</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>3/6</td>
<td>4/3</td>
<td>5/3</td>
<td>8/3</td>
<td>13/3</td>
<td>each</td>
</tr>
</tbody>
</table>

### Gilbow "No-Nip" Tinmen's Snips

**Fig. 1997**

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

<table>
<thead>
<tr>
<th>Size</th>
<th>8</th>
<th>10</th>
<th>12</th>
<th>14</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>2/2</td>
<td>3/2</td>
<td>4/2</td>
<td>6/2</td>
<td>per pair</td>
</tr>
<tr>
<td>Bent</td>
<td>3/2</td>
<td>4/3</td>
<td>5/2</td>
<td>7/2</td>
<td></td>
</tr>
</tbody>
</table>

### Tinmen's Snips, Hand Forged

![Tinmen's Snips, Hand Forged](Image)

**Fig. 1834. Straight**

<table>
<thead>
<tr>
<th>Length</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>1/6</td>
<td>1/7</td>
<td>1/8</td>
<td>1/9</td>
<td>1/10</td>
<td>2/10</td>
<td>2/11</td>
<td>2/12</td>
<td>2/13</td>
<td>2/14</td>
<td>2/15</td>
<td>each</td>
</tr>
</tbody>
</table>

**Fig. 1832. Bent**

<table>
<thead>
<tr>
<th>Length</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>2/3</td>
<td>2/4</td>
<td>2/5</td>
<td>2/6</td>
<td>2/7</td>
<td>3/7</td>
<td>3/8</td>
<td>3/9</td>
<td>3/10</td>
<td>3/11</td>
<td>3/12</td>
<td>each</td>
</tr>
</tbody>
</table>

### "Universal" Sheet Metal Shears (Foreign)

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

**Fig. 4617**

**Type 1, with large and small blades**

<table>
<thead>
<tr>
<th>Size</th>
<th>8</th>
<th>8½</th>
<th>9½</th>
<th>10½</th>
<th>11</th>
<th>12</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>6/3</td>
<td>7/6</td>
<td>7/9</td>
<td>8/6</td>
<td>10/6</td>
<td>11/6</td>
<td>each</td>
</tr>
</tbody>
</table>

**Type 2, with two small blades**

No. 66

<table>
<thead>
<tr>
<th>Size</th>
<th>8</th>
<th>8½</th>
<th>9½</th>
<th>10½</th>
<th>11</th>
<th>12</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>6/3</td>
<td>7/6</td>
<td>7/9</td>
<td>8/6</td>
<td>10/6</td>
<td>11/6</td>
<td>each</td>
</tr>
</tbody>
</table>

**Fig. 4619**

**Gilbow" Tinmen's Sheet Metal Shears**

**Fig. 1119**

<table>
<thead>
<tr>
<th>Size</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
<th>21</th>
<th>22</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>5/9</td>
<td>6/9</td>
<td>7/9</td>
<td>8/9</td>
<td>11/9</td>
<td>14</td>
<td>16/3</td>
<td>18/9</td>
<td>20/9</td>
<td>22/9</td>
<td>each</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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**Scotch Hand Shears**

**Fig. 1831. Heavy Hand Forged**

<table>
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<th>9</th>
<th>10</th>
<th>11</th>
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<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
<th>21</th>
<th>22</th>
<th>in.</th>
</tr>
</thead>
</table>

**Tinmen's Round Nose Pliers. Fig. 1811**

<table>
<thead>
<tr>
<th>Length</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>2/2</td>
<td>2/3</td>
<td>3/3</td>
<td>4/3</td>
<td>5/3</td>
<td>6/3 each</td>
</tr>
</tbody>
</table>

**Tinmen's Cutting Nippers. Fig. 1812**

<table>
<thead>
<tr>
<th>Length</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>12</th>
<th>in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>2/2</td>
<td>2/3</td>
<td>3/3</td>
<td>4/3</td>
<td>5/3</td>
<td>7/3</td>
<td>each</td>
</tr>
</tbody>
</table>

2, WHITWAVE ROAD, LONDON, E.1.

595
ROSE TOOLS, INC.

BUCK & HICKMAN, LTD.

Tinmen's Hammers

Fig. 1836. Black Regular weight, 5 lb. 3½ per lb.
Fig. 1837. Polishing Regular weight, 3 lb. 3½ per lb.
Fig. 1838. Flat Regular weight, 3 lb. 3½ per lb.
Fig. 1839. Convex Regular weight, 1½ lb. 5½ per lb.
Fig. 1840. Convex Round & Flat Face Regular weight, 1½ lb. 5½ per lb.

Fig. 1841. Crossing 4½ lb. 3½ each
Fig. 1842. Paneling 4½ lb. 3½ each
Fig. 1843. Riveting 1½ lb. 3½ per lb.
Fig. 1844. Smoothing 2–4 lb. 3½ per lb.
Fig. 1845. Hollowing 3–5 lb. 3½ per lb.

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

Tinmen's Hollow Punches

Fig. 1819

<table>
<thead>
<tr>
<th>Size</th>
<th>1/8</th>
<th>1/4</th>
<th>1/2</th>
<th>3/8</th>
<th>5/16</th>
<th>3/16</th>
<th>7/32</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td>1/2</td>
<td>2/3</td>
<td>2/3</td>
<td>3/8</td>
<td>4/6</td>
<td>5/8</td>
<td>1/8</td>
</tr>
</tbody>
</table>

Tinmen's Groove Punches

Fig. 1823

<table>
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<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td>3/2</td>
<td>2/3</td>
<td>2/3</td>
<td>2/8</td>
<td>5/16</td>
<td>5/16</td>
<td>7/16</td>
</tr>
</tbody>
</table>

Tinmen's Rivet Sets

Fig. 1824. (Combined Set-up and Snap).

<table>
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<th>Size</th>
<th>1/16</th>
<th>1/8</th>
<th>1/32</th>
<th>1/16</th>
<th>1/32</th>
<th>1/32</th>
<th>1/16</th>
</tr>
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</table>

Tinmen's Rivet Punches

Fig. 4607. Set-up. Fig. 4608. Snap.

<table>
<thead>
<tr>
<th>Size</th>
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<th>7/32</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td>7/10</td>
<td>4/15</td>
</tr>
</tbody>
</table>

Tinmen's Stakes, Mandrels, &c.

Funnel Stake
Fig. 1817
29–22 lb. Wrought iron. 2½ per lb. Steel Faced, 2½ per lb.

Rounding Stake
Fig. 4609
25–35 lb. Cast iron. 7/9 per lb. Wrought iron, 1/10 per lb.

Hollow Mandrel Stake
5 ft 6 in. long x 3 in. wide. Cast iron. About 98 lb.

Side Stake
Fig. 1822
18–36 lb. Wrought iron, 1/10 per lb. Cast iron, 7/9 per lb.

Funnel and Side Stake

Pipe Stake, Flat and Round Face
Fig. 4610
20–40 lb. Wrought iron. 2½ per lb. Steel Faced. 2½ per lb.

Pipe Stake
Fig. 1823
40–58 lb. Cast iron. 7/6 per lb. Wrought iron 1/10 per lb.

2, WHITECHAPEL ROAD, LONDON, E.1. 396
Tinmen's Bick Irons, Anvils, Stakes, &c.

- **Bick Irons**
  - Fig. 1618
  - Straight Iron, 10-30 lbs.
  - 2/3 per lb.

- **Horse**
  - Fig. 1829
  - 10-20 lbs.
  - 2/2 per lb.

- **Saucepan Belly Stake**
  - Fig. 1831
  - 20-30 lbs.
  - 2/2 per lb.

- **Kettle Lid Swage**
  - Fig. 1826
  - 60 per each
  - 85 lbs.

- **Soldering Gibbet**
  - Fig. 1827
  - 20 in. long, 60 lbs.
  - 36 in. long, 80 lbs.

- **Stud Boss & 2 Punches**
  - Fig. 1828
  - 65 lbs.
  - per set

- **Round Head**
  - Fig. 1847
  - about 3 lbs.

- **Square Head**
  - Fig. 4613
  - about 4 lbs.

- **Long Head**
  - Fig. 1850
  - 32.6 lbs.
  - 3/8 per lb.

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

- **Tea Kettle Bottom Stake**
  - Fig. 1851
  - About 14 lbs.
  - 2/8 per lb.

- **Round Bottom Stake**
  - Fig. 1852
  - 15-35 lbs.
  - 2/8 per lb.

- **Half Moon Stake**
  - Fig. 1853
  - 4-10 lbs.
  - 2/8 per lb.

- **Teapot Neck Tool**
  - Fig. 1856
  - About 5 lbs.
  - 2/8 per lb.

- **Hatchet Stake**
  - Fig. 1857
  - 12 lbs.

- **Grooving Stake**
  - Fig. 1858
  - 10-18 lbs.
  - 2/4 per lb.

- **Creasing Iron**
  - Fig. 1859
  - 10-18 lbs.
  - 2/10 per lb.

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

2, WHITECHAPEL ROAD, LONDON, E. 1.
BUCK & HICKMAN, LTD.,

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

Supplied with Peg Tooth unless otherwise ordered.

<table>
<thead>
<tr>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>15/6</td>
</tr>
<tr>
<td>4½</td>
<td>15/6</td>
</tr>
<tr>
<td>5</td>
<td>19/6</td>
</tr>
<tr>
<td>5½</td>
<td>19/6</td>
</tr>
<tr>
<td>6</td>
<td>22½</td>
</tr>
<tr>
<td>6½</td>
<td>24/6</td>
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<tr>
<td>7</td>
<td>26/6</td>
</tr>
<tr>
<td>7½</td>
<td>31/6</td>
</tr>
<tr>
<td>8</td>
<td>33/6</td>
</tr>
<tr>
<td>8½</td>
<td>39/6</td>
</tr>
<tr>
<td>9</td>
<td>43/6</td>
</tr>
<tr>
<td>9½</td>
<td>54/6</td>
</tr>
<tr>
<td>10 ft.</td>
<td>62/6</td>
</tr>
</tbody>
</table>

Turned Ash Handles for above Fig. 5022, 2½ per pair.

Best Cast Steel Pit Saws. Fig. 5011

Heel not to exceed 11 in. wide.

<table>
<thead>
<tr>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>16/6</td>
</tr>
<tr>
<td>4½</td>
<td>17/6</td>
</tr>
<tr>
<td>5</td>
<td>19/6</td>
</tr>
<tr>
<td>5½</td>
<td>21½</td>
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<tr>
<td>6</td>
<td>24/6</td>
</tr>
<tr>
<td>6½</td>
<td>26/6</td>
</tr>
<tr>
<td>7</td>
<td>28/6</td>
</tr>
<tr>
<td>7½</td>
<td>33/6</td>
</tr>
<tr>
<td>8</td>
<td>39/6</td>
</tr>
<tr>
<td>8½</td>
<td>46/6</td>
</tr>
<tr>
<td>9</td>
<td>54/6</td>
</tr>
<tr>
<td>9½</td>
<td>62/6</td>
</tr>
<tr>
<td>10 ft.</td>
<td>72/6</td>
</tr>
</tbody>
</table>

If Heel or Butt exceeds 11 in., 2½ per inch extra.

Tiller and Handle, 5/-. Pit Saw Boxes, 3/-. each.

Best Cast Steel Stone Saws. Fig. 5013

Not exceeding 9 in. wide.

<table>
<thead>
<tr>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>24</td>
</tr>
<tr>
<td>5½</td>
<td>28</td>
</tr>
<tr>
<td>6</td>
<td>31</td>
</tr>
<tr>
<td>6½</td>
<td>34</td>
</tr>
<tr>
<td>7</td>
<td>38</td>
</tr>
<tr>
<td>7½</td>
<td>42</td>
</tr>
<tr>
<td>8</td>
<td>52</td>
</tr>
<tr>
<td>9</td>
<td>52</td>
</tr>
</tbody>
</table>

Prices include up to 9 in. wide. If wider 3½ per inch extra.

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

<table>
<thead>
<tr>
<th>Length</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>2¼</td>
<td>14/6</td>
</tr>
<tr>
<td>3</td>
<td>15/6</td>
</tr>
<tr>
<td>3½</td>
<td>18½</td>
</tr>
<tr>
<td>4</td>
<td>21½</td>
</tr>
<tr>
<td>4½</td>
<td>24½</td>
</tr>
<tr>
<td>5 ft.</td>
<td>27/6</td>
</tr>
</tbody>
</table>

Peg Tooth can be supplied if required.

Best Cast Steel Frame Saws. Fig. 5012

Vertical Log and Deal Frame Saws. Fig. 5963

Horizontal Frame Saws. Fig. 5964

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

Stone Saw Plates. Fig. 5014

All sizes kept in stock. Price on application.

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

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

Best Cast Steel Veneer Webs. Fig. 5016

Best Cast Steel Felloe or Turning Saws. Fig. 5017

Made to order in all sizes. Price on application.

2, WHITECHAPEL ROAD, LONDON, E.1.
ROSE TOOLS, INC.

BUCK & HICKMAN, LTD.,

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

No. 124. Great American Fig. 1155

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

Five gauges thinner on back than on cutting edge.

Length 4 4½ 5 5½ 6 ft.

PRICE 19/6 22½ 24/3 27½ 29½ each.

No. 494. Beaver Hollow Back Fig. 1156

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

Length 4 4½ 5 5½ 6 ft.

PRICE 22/6 25/6 28/6 32½ 37½ each.

No. 114. Lance Perforated Fig. 1157

Tapered 14 & 18 Gauge. Crossing back. This saw has a full width blade and four-cutter and raker perforated type of tooth.

Ground by the Disston process on lines to conform to the tooth edge. Four gauges thinner on the back than on cutting edge.

Length 4 4½ 5 5½ 6 7 ft.

PRICE 19/6 22½ 24½ 26/9 28/9 34½ each.

One-Man Cross-Cut Saws

No. 524. Great American Fig. 1158

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

Length 3 3½ 4 4½ 5 ft.

PRICE 15/6 17/6 20/6 23½ 25½ each.

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

Fig. 1159

For Two-man Saws.

No. 1024. Reversible Handle, 13¼ in. long. ¾ in. diam. at thickest part. Malleable iron bolt and Wing nut. Gray iron face plate and washer.

PRICE, 189½ per 100 pairs.

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

PRICE, 192½ per 100 pairs.

2, WHITCHEAPEL ROAD, LONDON, E:1.

608

Fig. 1160

Supplementary Handle for One-man Saws

No. 118. Hardwood

4¼ in. long. ¾ in. diam. at thickest part. Heavy steel ferrule.

PRICE, 13½ each.
ROSE TOOLS, INC.

Buck & Hickman's Warranted Cast Steel Saws
Rip, Half-Rip, Hand and Panel Saws

Fig. 5969
Unequaled Value

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

<table>
<thead>
<tr>
<th>Length</th>
<th>16</th>
<th>18</th>
<th>20</th>
<th>22</th>
<th>24</th>
<th>26</th>
<th>28</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>5/8</td>
<td>6/2</td>
<td>6/6</td>
<td>7½</td>
<td>7/10</td>
<td>8/4</td>
<td>8/10</td>
<td>9/10</td>
</tr>
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</table>

Fig. 5025

<table>
<thead>
<tr>
<th>Length</th>
<th>10</th>
<th>12</th>
<th>14</th>
<th>16</th>
<th>18</th>
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<th>24</th>
<th>26</th>
<th>28</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 5025LS, London Spring Steel</td>
<td>2/8</td>
<td>3/2</td>
<td>3/10</td>
<td>4/4</td>
<td>5 ½</td>
<td>5 3</td>
<td>5/10</td>
<td>6 7</td>
<td>6 9</td>
<td>7 4</td>
<td>7/10 each</td>
</tr>
<tr>
<td>Fig. 5025A, Cast Steel, Warranted</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>PRICE</td>
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<td>3/2</td>
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<td>4 9</td>
<td>5 4</td>
<td>5/10</td>
<td>6</td>
<td>6 8</td>
<td>7/3 each</td>
<td></td>
</tr>
</tbody>
</table>

The 26 in. Saws are also stocked specially for Coopers and Contractors. Prices as above.

Masons' Hand Saws, Fig. 5026—30 in., 9/8; 33 in., 12; 36 in., 15/8 each.

Fig. 5025B

<table>
<thead>
<tr>
<th>Length</th>
<th>10</th>
<th>12</th>
<th>14</th>
<th>16</th>
<th>18</th>
<th>20</th>
<th>22</th>
<th>24</th>
<th>26</th>
<th>28</th>
<th>30</th>
</tr>
</thead>
<tbody>
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<td>PRICE</td>
<td>2/8</td>
<td>2/8</td>
<td>3/3</td>
<td>3/10</td>
<td>4 5</td>
<td>4 9</td>
<td>5 4</td>
<td>5/10</td>
<td>6</td>
<td>6 8</td>
<td>7/3 each</td>
</tr>
</tbody>
</table>

Tenon or Back Saws
Fig. 5029

<table>
<thead>
<tr>
<th>Length, up to</th>
<th>10</th>
<th>12</th>
<th>14</th>
<th>16</th>
<th>18</th>
<th>20</th>
<th>22</th>
<th>24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade A and B</td>
<td>6 8</td>
<td>7 4</td>
<td>8 3</td>
<td>9/6</td>
<td>10/4</td>
<td>10/10</td>
<td>11 9</td>
<td>12/10 each</td>
</tr>
<tr>
<td>Grade C</td>
<td>4 8</td>
<td>5 4</td>
<td>5 10</td>
<td>6 8</td>
<td>7 7</td>
<td>7 2</td>
<td>7 9</td>
<td>8 5</td>
</tr>
</tbody>
</table>

2, WHITECHAPEL ROAD, LONDON, E.1.
Slack, Sellars’ Hand, Back and Cross-Cut Saws

Fig. 1135

No. 95. “Speed” Brand Hollowback Hand Saw
Handles highly polished all over, raised silver-plated screws
Size ... 20 22 24 26 28 in.
PRICE ... 126 138 158 162 189 doz.

Fig. 1138

No. 78B. “City” Brand Hollowback Hand Saw
Handles polished all over, raised brass screws, flexible blades, spring temper.
Size ... 20 22 24 26 28 in.
PRICE ... 69 75 81 84 93 doz.

Fig. 1140

No. 78A. “City” Brand Straight Back Handsaw
Handles polished all over, raised brass screws, flexible blades, spring temper.
Size ... 20 22 24 26 28 in.
PRICE ... 63 69 74 78 87 doz.

Fig. 1141

No. 78A. “Black Knight” Farmers’ Hand saw
With Lightning teeth for cutting green and wet wood.
Size ... 24 inches, 54 in. 26 inches, 57 in.

Two-Man Cross-Cut Saws Fig. 1185

“Speed” Saws are high quality Alloy Steel Saws ground 2 gauges thin to back.
“City” Saws are really good quality saws, at a moderate price.
All set and sharpened.

Fig. 1142

No. 58A. “City” Brand Backsaw
Handles polished on edges, raised brass screws, medium heavy backs.
Size ... 8 and 10 12 14 16 in.
With Iron Back ... 96 99 104 120 doz.
With Brass Back ... 90 95 100 115 doz.
We fully warrant every “City” Saw to be perfect both as to material and workmanship.

Fig. 1147

No. 58. “Black Knight” Backsaw
Size ... 8 10 12 14 16 in.
Iron Back ... 42 45 51 60 66 doz.
Saws above 10 inch supplied with regular closed handles.

Fig. 1197

One Man Cross-Cut Saw

Length
Great American Teeth (as shown) “Speed” Brand “City”

Fig. 1196

Cross-Cut Saw Fittings

Climax Reversible Handles (as shown on Fig. 1196), 3 per pair.
Auxiliary Handle for One-Man Saw, 1/ each.

2, WHITECHAPEL ROAD, LONDON, E. 1.
Disston's Hand Saws

Fig. 5031. (No. D8)
This Saw has all the latest improvements in Hand Saws. It combines the popular skew back, the peculiar shaped butt or heel, which, with the new screws, makes it almost impossible to work loose from the handle, and gives the full sweep of the saw without the possibility of catching in the work. Spring Steel, Warranted, Apple Handle, Polished Edge, five Brass Screws.

<table>
<thead>
<tr>
<th>Length</th>
<th>18</th>
<th>20</th>
<th>22</th>
<th>24</th>
<th>26</th>
<th>28 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>10/6</td>
<td>11/6</td>
<td>12/3</td>
<td>13/6</td>
<td>13/6</td>
<td>16/6 each</td>
</tr>
</tbody>
</table>

Fig. 5034. (No. D7)
Crucible Cast Steel, Grained Blade, Warranted, Beech Handle, Polished Edge, four Brass Screws.

<table>
<thead>
<tr>
<th>Length</th>
<th>20</th>
<th>22</th>
<th>24</th>
<th>26</th>
<th>28 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>10/9</td>
<td>10/9</td>
<td>11/6</td>
<td>11/6</td>
<td>13/6 each</td>
</tr>
</tbody>
</table>

Fig. 5972. (No. 600)
Beech Handle, Varnished Edge, Brass Screws.

<table>
<thead>
<tr>
<th>Length</th>
<th>14</th>
<th>16</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>1/10</td>
<td>1/10</td>
</tr>
</tbody>
</table>

Disston's Saw-Filer's Vices

Adjustable Ball and Socket Clamp
Fig. 5060. (No. 1)
Length of Jaw, 9 in. Holds Saw at any angle.
PRICE, Japanned 17½ ea.

Improved Saw Clamp
Fig. 5061. (No. 2)
Length of Jaw, 9½ in.
PRICE, Japanned, 11/9 ea.

Saw Filing Guide
Fig. 5082. (No. D3)
Length of Jaw, 12½ in.
Specially designed for unskilled persons. Illustration shows Saw and Guide in proper position for filing. The Swivel Attachment has three divisions for alternate teeth and for setting square for Rip Saws. PRICE, including Clamp, Filing Guide, File and Handle, in Wooden box, 25/6 each.

2, WHITECHAPEL ROAD, LONDON, E. 1.
## Disston's

### Cast Steel Compass Saw

**Fig. 5042 Apple Handle. (No. 2)**

<table>
<thead>
<tr>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>3/3</td>
</tr>
<tr>
<td>14</td>
<td>3/3 each</td>
</tr>
</tbody>
</table>

### Duplex Pruning Saw

**Fig. 5049 (No. 4)**

<table>
<thead>
<tr>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>6/6</td>
</tr>
<tr>
<td>18</td>
<td>7/6</td>
</tr>
<tr>
<td>20</td>
<td>7/6 each</td>
</tr>
</tbody>
</table>

### "Little Giant" Pruning Hook and Saw

**Fig. 5072 (No. 35)**

- Knife and Saw, both made of best cast steel.
- Can be used with or without pole.
- Saw can be detached when not required.
- Light and very strong.

**Prices**

Hook and Saw, Without pole: 11/3 each

### Woodcutter's Bow Saw and Frame

**Fig. 5021**

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

<table>
<thead>
<tr>
<th>Size</th>
<th>Extra Blades</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>7/6, extra blades</td>
<td>2/6 each</td>
</tr>
<tr>
<td>B</td>
<td>8/3</td>
<td>3/3</td>
</tr>
</tbody>
</table>

### Keyhole Saw and Pad

**Fig. 5046 (No. 5)**

<table>
<thead>
<tr>
<th>Price</th>
<th>1/9 each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saw blade only</td>
<td>1/9</td>
</tr>
<tr>
<td>Handle</td>
<td>7/9</td>
</tr>
</tbody>
</table>

### Nest of Saws

**Fig. 5043 (No. 3)**

<table>
<thead>
<tr>
<th>Price</th>
<th>7/3 each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keyhole Blade, 10 in.</td>
<td>1/3</td>
</tr>
<tr>
<td>Compass</td>
<td>1/9</td>
</tr>
<tr>
<td>Pruning</td>
<td>1/8</td>
</tr>
<tr>
<td>Handles</td>
<td>1/6</td>
</tr>
</tbody>
</table>

### Disston's Brace Frame

**Fig. 5974 (No. 177)**

Wood Saw, 30 in., No. 77 Blade
24 in. wide, Climax Rod, Plain

<table>
<thead>
<tr>
<th>Price</th>
<th>6/6 each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra Blades</td>
<td>33/6 doz.</td>
</tr>
</tbody>
</table>
Joiners' Bow Saw or Turning Saw
Beech Frames, Boxwood Handles.

Fig. 5052

<table>
<thead>
<tr>
<th>Size</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>12</th>
<th>14</th>
<th>16</th>
<th>18</th>
<th>20 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>7/6</td>
<td>7/6</td>
<td>7/6</td>
<td>9/3</td>
<td>9/3</td>
<td>10/6</td>
<td>12/2</td>
<td>13/8 each</td>
</tr>
<tr>
<td>Blades only</td>
<td>2/3</td>
<td>2/3</td>
<td>3/3</td>
<td>3/3</td>
<td>4/4</td>
<td>4/4</td>
<td>5/7</td>
<td>6/6 per doz.</td>
</tr>
</tbody>
</table>

"Lightning" Pruning Saw
Fig. 5048

<table>
<thead>
<tr>
<th>Size</th>
<th>12</th>
<th>14</th>
<th>16</th>
<th>18</th>
<th>20 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>2/10</td>
<td>3/1</td>
<td>3/3</td>
<td>3/6</td>
<td>4½ each</td>
</tr>
</tbody>
</table>

Plumbers' Saw Fig. 6471

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

<table>
<thead>
<tr>
<th>Size</th>
<th>12</th>
<th>14</th>
<th>16</th>
<th>18 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>3½</td>
<td>3/6</td>
<td>4½</td>
<td>4/6 each</td>
</tr>
</tbody>
</table>

Salt Saw. Fig. 6472

With Zinc Blade.

<table>
<thead>
<tr>
<th>Size</th>
<th>14</th>
<th>16 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>1/8</td>
<td>2½ each</td>
</tr>
</tbody>
</table>

Compass or Lock Saw
Fig. 5041
Beech Handles.

<table>
<thead>
<tr>
<th>Size</th>
<th>10</th>
<th>12</th>
<th>14</th>
<th>16 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>1/8</td>
<td>1/10</td>
<td>1/11</td>
<td>2/2 each</td>
</tr>
</tbody>
</table>

Butchers' Bow Saw
Fig. 5050

<table>
<thead>
<tr>
<th>Size</th>
<th>12</th>
<th>14</th>
<th>16</th>
<th>18</th>
<th>20</th>
<th>22</th>
<th>24 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price, with Wing Nut</td>
<td>8/4</td>
<td>6/4</td>
<td>6/7</td>
<td>6/10</td>
<td>7/2</td>
<td>8/3</td>
<td>8/11 each</td>
</tr>
<tr>
<td>Blades riveted in</td>
<td>5/4</td>
<td>5/4</td>
<td>5/7</td>
<td>5/11</td>
<td>6/8</td>
<td>7/3</td>
<td>7/9</td>
</tr>
<tr>
<td>only</td>
<td>9/5</td>
<td>10/5</td>
<td>10/9</td>
<td>11/9</td>
<td>12/6</td>
<td>13/6</td>
<td>15½</td>
</tr>
</tbody>
</table>

Electricians' Brass Back Saw
Fig. 5967

| Price 11½ per doz. |

Jewellers' Brass Back Saw
Fig. 5966

<table>
<thead>
<tr>
<th>Size</th>
<th>4</th>
<th>5</th>
<th>6 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>11½</td>
<td>12</td>
<td>13½ per doz.</td>
</tr>
</tbody>
</table>

Lock Tooth Pad Saw Handle. Fig. 379

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

| PRICE (without blade) | 1/4 each |

Keyhole Saws and Pads. Fig. 5045

LARGE Small

<table>
<thead>
<tr>
<th>PRICE</th>
<th>1/8</th>
<th>1½ each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Straw Colour Blades.</td>
<td>Special Ground Thin to Back.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>12</th>
<th>14 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>3½</td>
<td>3/5</td>
<td>3½</td>
<td>3½</td>
<td>4½ per doz.</td>
</tr>
</tbody>
</table>
ROSE TOOLS, INC.

**Folding Saws. (Foreign)**

Fig. 5074

Artillery Pattern

For cutting down trees.

Saw only

PRICE, 7/6 each.

Can be furnished with File, Saw-set and Handle,

fitted in Leather Case, Artillery pattern.

Price on Application.

**Disston's Saw Handles**

Made in U.S.A.

Fig. 5053

Fig. 5054

Fig. 5053. For Saw

18-20

22-24

26

28 in.

Hand Saw, D.7, Beech

2 5/8

2 3/8

2 1/8

2 1/2 each.

No. 8, Apple

3 1/2

3 1/2

4 1/2

4 1/2

Fig. 5054. For Saw

8-10-12

14-16 in.

Back Saw, Nos. 4 and 5

3/8

3/8

3/8 each

**English Saw Handles**

Made in U.S.A.

Fig. 5056. Hand Saw, Beech

1 1/3 each

Fig. 5057. Tuna Saw

open 1/2

closed 1/3

**English Saw Screws**

Made from Wrought Brass (except No. 8)

Fig. 5059

American type, Brass Screw and Nut.

PRICE, 1/6 per doz.

Electro-Brassed Mild Steel

PRICE, 1/6 per doz.

**Disston's Saw Screws**

(Made in U.S.A.)

No. 1

No. 2

No. 4

No. 8

Centennial, Brass Screws

2 1/2

3 1/2

3 1/2

3 1/2

Warranted Superior

2 1/2

2 1/2

2 1/2

2 1/2

Warranted Superior

2 1/2

2 1/2

2 1/2

2 1/2

Bright Steel

1/2

1/2

1/2

1/2

**Disston's Saw Sets**

"Monarch"

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

Fig. 5063

For Saws 1 in. and wider.

PRICE, No. 2. Small

5/6 each

No. 12. Medium

6/1 each

**Hand Fretsaw Frame**

Fig. 5065

Fitted with Patent Clamps, out of which the Sawblade cannot possibly slip.

PRICE, 12 in.

2 1/2 each.

Larger sizes furnished to order.

**Fret Saw Blades**

Fig. 5384

Made in England,

Overall length, 5 in.

No. 000-6

7-9

10-12

13

16

PRICE

6/5

7/5

11/5

12

14

per gross

No. 000-6 suitable for wood only.

... 7-1/2... metal...

**Disston's Saw Screws**

Fig. 5058

No. 1

No. 2

No. 4

No. 8

Centennial, Brass Screws, Large

2

2 1/2

2 1/2

2 1/2

Warranted Superior

2

2

2

2

Bright Steel

1/2

1/2

1/2

1/2

2. WHITECHAPEL ROAD, LONDON, E.1.

514
Saw Sets

"Roebuck" Saw Set
(Morill Pattern)
Fig. 5980

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

HAND Fig. 5067 [A, B & C]

A. Beech Handle. Plain End.
PRICE ... ... ... 1/4 each

B. Beech Handle. Turned End.
PRICE ... ... ... 1/5 each

C. Beech Handle. Forked Screw End.
PRICE ... ... ... 1/6 each

PIT Fig. 5070

Steel Faced Saw Makers' Anvils
Best Quality and Material.
Face is in one piece of cast steel, uniformly tempered.
Perfectly true surface, welded to a forged Iron Base. Any size made to order.
Prices on Application.

Saw Swages
(Jumpers or Upsetting Tools).
For swage or spread tooth saws.
Jaws carefully and effectively hardened.
Prices and Particulars on Application.

Taintor Saw Set
(Made in the U.S.A.)
Fig. 6441

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

HAND Fig. 5068

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

PIT Fig. 5069

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

Saw Makers' Straight Edges
Bright Ground Tool Steel.
Length from 6 to 60 in.
Prices on Application.

Saw Makers' Hammers
Forged from best Tool Steel.
Truly balanced and with highly polished faces, so as not to damage the most delicate plates.
Best Ash Handles.
Made in Sets comprising one each Dog Head, Cross Face and Twist Face Hammers.
Recommended for wide band saws and circular saws.
Prices and Particulars on Application.

Hand Saw Setting Hammers
Fig. 5968
Heads only, 2/3 each.

2, WHITECHAPEL ROAD, LONDON, E.1.
Carpenters’ Braces

Best Quality

Fig. 5221 U


<table>
<thead>
<tr>
<th>Sweep</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 in.</td>
<td>12/4 each</td>
</tr>
<tr>
<td>10</td>
<td>13/4 each</td>
</tr>
<tr>
<td>12</td>
<td>13/4 each</td>
</tr>
</tbody>
</table>

Fig. 5221 Nickel-plated. Fig. 5222

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

With Ratchet. Without Ratchet.

<table>
<thead>
<tr>
<th>Sweep</th>
<th>PRICE</th>
<th>Sweep</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 in.</td>
<td>11/3 each</td>
<td>8 in.</td>
<td>6/9 each</td>
</tr>
<tr>
<td>10</td>
<td>12/4 each</td>
<td>10</td>
<td>7/6</td>
</tr>
<tr>
<td>12</td>
<td>12/3 each</td>
<td>12</td>
<td>7/9</td>
</tr>
<tr>
<td>14</td>
<td>12/6 each</td>
<td>14</td>
<td>8/9</td>
</tr>
</tbody>
</table>

Fig. 5223. Polished, with Ratchet.

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

<table>
<thead>
<tr>
<th>Sweep</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 in.</td>
<td>8/3 each</td>
</tr>
<tr>
<td>8</td>
<td>8/3 each</td>
</tr>
<tr>
<td>10</td>
<td>9/3 each</td>
</tr>
<tr>
<td>12</td>
<td>9/3 each</td>
</tr>
</tbody>
</table>

Fig. 5223 N.P. Nickel-plated, add 1/6 to the prices of Fig. 5223.

<table>
<thead>
<tr>
<th>Sweep</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 in.</td>
<td>3/3 each</td>
</tr>
<tr>
<td>8</td>
<td>4/6</td>
</tr>
<tr>
<td>10</td>
<td>4/6</td>
</tr>
<tr>
<td>12</td>
<td>4/9</td>
</tr>
</tbody>
</table>

Fig. 5224. Polished, plain jaws. Without Ratchet.

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

<table>
<thead>
<tr>
<th>Sweep</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 in.</td>
<td>2/6 each</td>
</tr>
<tr>
<td>8</td>
<td>3/</td>
</tr>
<tr>
<td>10</td>
<td>4/3</td>
</tr>
<tr>
<td>12</td>
<td>4/6</td>
</tr>
</tbody>
</table>

Fig. 5224A. Alligator jaws, nickel-plated, add 7/9 to prices of Fig. 5224

Carpenter’s “Master” Brace

Fig. 885

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

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

<table>
<thead>
<tr>
<th>Sweep</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>16/6</td>
</tr>
<tr>
<td>12</td>
<td>16/8</td>
</tr>
<tr>
<td>14</td>
<td>16/10 each</td>
</tr>
</tbody>
</table>

Wagon Builder’s Brace

Fig. 5225 Bright

<table>
<thead>
<tr>
<th>Ball-bearing Head</th>
<th>12 in. Sweep</th>
<th>6/3 each</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>7/</td>
<td></td>
</tr>
</tbody>
</table>

Gasfitter’s Brace

Fig. 5228

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

Wine Cooper’s Brace

Fig. 5881

<table>
<thead>
<tr>
<th>Wrought Iron Frame with Thumb Screw</th>
<th>8 in. Sweep</th>
<th>7/3 each</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>8/3</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>7/</td>
<td></td>
</tr>
</tbody>
</table>

Blacksmith’s Brace

Fig. 5227

| Steel Sweep, Iron Head | 10 in. Sweep | 6/ each |

2, WHITECHAPEL ROAD, LONDON, E.1.
Millers Falls Carpenters' Braces

**Fig. 886**

<table>
<thead>
<tr>
<th>No.</th>
<th>12 in. Sweep</th>
<th>PRICE</th>
<th>8/4 each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1661</td>
<td>10</td>
<td>8/4</td>
<td></td>
</tr>
<tr>
<td>1662</td>
<td>8</td>
<td>8/4</td>
<td></td>
</tr>
</tbody>
</table>

No. 162, as above but polished instead of nickel-plated.

10 in. Sweep. PRICE 8/6 each

**Fig. 902**

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

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

<table>
<thead>
<tr>
<th>No.</th>
<th>12 in. Sweep</th>
<th>PRICE</th>
<th>12½ each</th>
</tr>
</thead>
<tbody>
<tr>
<td>421</td>
<td>10</td>
<td>11/8</td>
<td></td>
</tr>
<tr>
<td>422</td>
<td>8</td>
<td>11/8</td>
<td></td>
</tr>
</tbody>
</table>

**Fig. 5240**

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

<table>
<thead>
<tr>
<th>No.</th>
<th>14 in. Sweep</th>
<th>PRICE</th>
<th>21/8 each</th>
</tr>
</thead>
<tbody>
<tr>
<td>730</td>
<td>12</td>
<td>19/6</td>
<td></td>
</tr>
<tr>
<td>731</td>
<td>10</td>
<td>18/6</td>
<td></td>
</tr>
</tbody>
</table>

**Fig. 6284**

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

<table>
<thead>
<tr>
<th>No.</th>
<th>14 in. Sweep</th>
<th>PRICE</th>
<th>25/6 each</th>
</tr>
</thead>
<tbody>
<tr>
<td>8190</td>
<td>10</td>
<td>23/3</td>
<td></td>
</tr>
<tr>
<td>8192</td>
<td>8</td>
<td>23/3</td>
<td></td>
</tr>
</tbody>
</table>

**Fig. 5233**

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

<table>
<thead>
<tr>
<th>No.</th>
<th>14 in. Sweep</th>
<th>PRICE</th>
<th>20½ each</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>12</td>
<td>19/6</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>10</td>
<td>19/3</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>8</td>
<td>18/6</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>6</td>
<td>18/3</td>
<td></td>
</tr>
</tbody>
</table>

**Fig. 5235**

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

<table>
<thead>
<tr>
<th>No.</th>
<th>12 in. Sweep</th>
<th>PRICE</th>
<th>15/8 each</th>
</tr>
</thead>
<tbody>
<tr>
<td>321</td>
<td>10</td>
<td>15/9</td>
<td></td>
</tr>
<tr>
<td>322</td>
<td>8</td>
<td>15/6</td>
<td></td>
</tr>
<tr>
<td>323</td>
<td>6</td>
<td>15/8</td>
<td></td>
</tr>
</tbody>
</table>

**Fig. 5238**


<table>
<thead>
<tr>
<th>No.</th>
<th>10 in. Sweep</th>
<th>PRICE</th>
<th>14/6 each</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>8</td>
<td>14/6</td>
<td></td>
</tr>
</tbody>
</table>

Similar to above with stained hardwood head and handle. Head not ball-bearing.

<table>
<thead>
<tr>
<th>No.</th>
<th>8 in. Sweep</th>
<th>PRICE</th>
<th>8/6 each</th>
</tr>
</thead>
<tbody>
<tr>
<td>223</td>
<td>12</td>
<td>8/6</td>
<td></td>
</tr>
<tr>
<td>224</td>
<td>10</td>
<td>7/6</td>
<td></td>
</tr>
</tbody>
</table>

**Fig. 4143**

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

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

<table>
<thead>
<tr>
<th>No.</th>
<th>10 in. Sweep</th>
<th>PRICE</th>
<th>30/10 each</th>
</tr>
</thead>
<tbody>
<tr>
<td>502</td>
<td>8</td>
<td>503</td>
<td>8</td>
</tr>
<tr>
<td>503</td>
<td>8</td>
<td>504</td>
<td>8</td>
</tr>
</tbody>
</table>

2, WHITECHAPEL ROAD, LONDON, E. 1.

619
# Best Cast Steel Black Brace Bits

(Can be furnished Bright or Straw Coloured to order)

![Figure 5255](image)

## Centre Bits. Fig. 5249

<table>
<thead>
<tr>
<th>Size</th>
<th>1</th>
<th>1½</th>
<th>1¼</th>
<th>1⅛</th>
<th>1⅝</th>
<th>1¼</th>
<th>1¾</th>
<th>1¼</th>
<th>1¼</th>
<th>1½</th>
<th>2 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black with two nickers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Screw Pin Centre Bits. Fig. 5256.

<table>
<thead>
<tr>
<th>Centre Plug Bits</th>
<th>1</th>
<th>1½</th>
<th>1⅛</th>
<th>1¾</th>
<th>2 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 5266</td>
<td>14/6</td>
<td>16/6</td>
<td>18/6</td>
<td>21/6</td>
<td>24/6</td>
</tr>
<tr>
<td>Size</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shell or Pin Bits, Fig. 5251</td>
<td>6/8</td>
<td>6/8</td>
<td>6/8</td>
<td>6/8</td>
<td>6/8</td>
</tr>
<tr>
<td>Nose</td>
<td>5253</td>
<td>5/6</td>
<td>5/6</td>
<td>5/6</td>
<td>5/6</td>
</tr>
</tbody>
</table>

## These are Special. Sizes on Application.

<table>
<thead>
<tr>
<th>Centre Coach Bits</th>
<th>1</th>
<th>1½</th>
<th>1¼</th>
<th>1¾</th>
<th>2 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 5417</td>
<td>20/6</td>
<td>22/6</td>
<td>24/6</td>
<td>26/6</td>
<td>28/6</td>
</tr>
<tr>
<td>Size</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Pianoforte Bits. Fig. 5287

<table>
<thead>
<tr>
<th>Size up to</th>
<th>1</th>
<th>1½</th>
<th>1¼</th>
<th>1¾</th>
<th>2 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 5260</td>
<td>4/8</td>
<td>4/8</td>
<td>4/8</td>
<td>4/8</td>
<td>4/8</td>
</tr>
<tr>
<td>Turned Bits</td>
<td>5/8</td>
<td>5/8</td>
<td>5/8</td>
<td>5/8</td>
<td>5/8</td>
</tr>
<tr>
<td>Countersink Bits, Flat</td>
<td>5/8</td>
<td>5/8</td>
<td>5/8</td>
<td>5/8</td>
<td>5/8</td>
</tr>
<tr>
<td>Coopers' Dowel Bits, Fig. 5266</td>
<td>5/8</td>
<td>5/8</td>
<td>5/8</td>
<td>5/8</td>
<td>5/8</td>
</tr>
</tbody>
</table>

## Brush Bits. Fig. 5889

<table>
<thead>
<tr>
<th>No.</th>
<th>1 and 2</th>
<th>3 to 18</th>
<th>19</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/6</td>
<td>6/9</td>
<td>13/6</td>
<td>15/6</td>
<td></td>
</tr>
</tbody>
</table>

## Chair Bits. Fig. 5258

<table>
<thead>
<tr>
<th>Size up to</th>
<th>1</th>
<th>1½</th>
<th>1¼</th>
<th>1¾</th>
<th>2 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 5255</td>
<td>7/6</td>
<td>7/6</td>
<td>7/6</td>
<td>7/6</td>
<td>7/6</td>
</tr>
</tbody>
</table>

## Gimlet Bits. Fig. 5254

<table>
<thead>
<tr>
<th>Size up to</th>
<th>1</th>
<th>1½</th>
<th>1¼</th>
<th>1¾</th>
<th>2 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 5254</td>
<td>7/6</td>
<td>7/6</td>
<td>7/6</td>
<td>7/6</td>
<td>7/6</td>
</tr>
</tbody>
</table>

---

2, WHITECHAPEL ROAD, LONDON, E.1.
BUCK & HICKMAN, LTD.,

Brace Bits

Gedee's Pattern Auger Bits. Fig. 5268

| Size | in. | per dozen | 24 1/2 | 24 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 20 1/2 | 22 1/2 | 24 1/4 | 27 1/4 | 30 1/4 | 34 1/4 | 38 1/2 | 43 1/2 | 48 |

Jennings' Pattern Auger Bits. Fig. 5269

| Size | in. | per dozen | 24 1/2 | 24 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 20 1/2 | 22 1/2 | 24 1/4 | 27 1/4 | 30 1/4 | 34 1/4 | 38 1/2 | 43 1/2 | 48 |

Solid Wing Auger Bits. Fig. 5270

| Size | in. | per dozen | 24 1/2 | 24 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 20 1/2 | 22 1/2 | 24 1/4 | 27 1/4 | 30 1/4 | 34 1/4 | 38 1/2 | 43 1/2 | 48 |

Solid Wing Auger Bits, Single Twist. Fig. 5272

| Size | in. | per dozen | 24 1/2 | 24 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 20 1/2 | 22 1/2 | 24 1/4 | 27 1/4 | 30 1/4 | 34 1/4 | 38 1/2 | 43 1/2 | 48 |

Scotch Pattern Auger Bits. Fig. 5890

| Size | in. | per dozen | 24 1/2 | 24 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 20 1/2 | 22 1/2 | 24 1/4 | 27 1/4 | 30 1/4 | 34 1/4 | 38 1/2 | 43 1/2 | 48 |

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

| Size | in. | per dozen | 24 1/2 | 24 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 20 1/2 | 22 1/2 | 24 1/4 | 27 1/4 | 30 1/4 | 34 1/4 | 38 1/2 | 43 1/2 | 48 |

Solid-Centre Irwin Pattern Nose Bits. Fig. 5885

| Size | in. | per dozen | 24 1/2 | 24 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 20 1/2 | 22 1/2 | 24 1/4 | 27 1/4 | 30 1/4 | 34 1/4 | 38 1/2 | 43 1/2 | 48 |

Bright Leadbeater's Pattern Wagon Bits. Fig. 5271 Length of Twist, 10 in

| Size | in. | per dozen | 24 1/2 | 24 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 20 1/2 | 22 1/2 | 24 1/4 | 27 1/4 | 30 1/4 | 34 1/4 | 38 1/2 | 43 1/2 | 48 |

Wagon Builders' Plate Bits. Fig. 5891

| Size | in. | per dozen | 24 1/2 | 24 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 18 1/2 | 20 1/2 | 22 1/2 | 24 1/4 | 27 1/4 | 30 1/4 | 34 1/4 | 38 1/2 | 43 1/2 | 48 |

2, WHITECHAPEL ROAD, LONDON, E. 1.
### Brace Bits—continued.

#### Jennings' Extension Lip Auger Bits

<table>
<thead>
<tr>
<th>Size</th>
<th>1 1/2</th>
<th>1 1/4</th>
<th>1 3/8</th>
<th>1 1/2</th>
<th>1 3/8</th>
<th>1 1/2</th>
<th>1 1/2</th>
<th>1 1/2</th>
<th>1 1/2</th>
<th>1 1/2</th>
<th>1 1/2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>25</td>
<td>20/10</td>
<td>20/10</td>
<td>29/2</td>
<td>34/5</td>
<td>39/7</td>
<td>50</td>
<td>58</td>
<td>66</td>
<td>70</td>
<td>70</td>
</tr>
<tr>
<td>Price</td>
<td>18/8</td>
<td>16/8</td>
<td>18/9</td>
<td>20/10</td>
<td>22/11</td>
<td>25/2</td>
<td>33/4</td>
<td>37/6</td>
<td>43/9</td>
<td>50</td>
<td>56/3</td>
</tr>
</tbody>
</table>

#### Millers Falls Irwin Pattern Auger Bits

<table>
<thead>
<tr>
<th>Size</th>
<th>1 1/2</th>
<th>1 1/4</th>
<th>1 3/8</th>
<th>1 1/2</th>
<th>1 3/8</th>
<th>1 1/2</th>
<th>1 1/2</th>
<th>1 1/2</th>
<th>1 1/2</th>
<th>1 1/2</th>
<th>1 1/2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Price</td>
<td>11</td>
<td>18</td>
<td>30</td>
<td>43</td>
<td>50</td>
<td>66</td>
<td>70</td>
<td>70</td>
<td>70</td>
<td>70</td>
<td>70</td>
</tr>
</tbody>
</table>

#### Forstner Auger Bits

**Fig. 5276**

For Smooth, Round, Oval or Square Boring, Scroll and Twist Work.

The Forstner Labour-saving Auger Bit, unlike other bits, is guided by its circular rim, instead of its centre, consequently it will bore any arc of a circle, and can be guided in any direction regardless of grain or knots, leaving a true polished surface.

Price:

<table>
<thead>
<tr>
<th>Size</th>
<th>1 1/2</th>
<th>1 1/4</th>
<th>1 3/8</th>
<th>1 1/2</th>
<th>1 3/8</th>
<th>1 1/2</th>
<th>1 1/2</th>
<th>1 1/2</th>
<th>1 1/2</th>
<th>1 1/2</th>
<th>1 1/2</th>
</tr>
</thead>
</table>

#### Jennings' Extension Lip Auger Bit Sets

**Fig. 5273 U** (No. 510 Set) in Upright Wood Case, 13 Bits
**Fig. 5273 F** (No. 110) in Flat Wood Case, 13 Bits
**Fig. 5273 F** (No. 110) in Flat Wood Case, 9 Bits
**Fig. 5273 S** (No. 710) in Flannel lined Canvas Roll, 13 Bits

**Complete** £1 9 7

#### Millers Falls Irwin Pattern Auger Bit Sets

**Fig. 5275S**

<table>
<thead>
<tr>
<th>No. 2542A Set</th>
<th>9 Auger Bits, Fig. 5275, 1 1/4, 1 3/8, 1 in. and 1/4 in Screwdriver Bit in Canvas Roll</th>
<th>Complete £1 4 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 2542B Set</td>
<td>13 in Flat Wood Case, 10/3, 13/9, 15/3, 17/6, 18 1/2 in. and 1/4 in.</td>
<td>Complete £1 15 6</td>
</tr>
</tbody>
</table>

#### Forstner Auger Bit Sets

**Fig. 5276S.**

In Flat Wood Case.

**Complete** £1 12 3

#### Assorted Brace Bits in Sets

**Fig. 5265**

<table>
<thead>
<tr>
<th>12</th>
<th>24</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/8</td>
<td>9/8</td>
</tr>
<tr>
<td>5/6</td>
<td>11/9</td>
</tr>
<tr>
<td>5/9</td>
<td>12/3</td>
</tr>
</tbody>
</table>

Sets of 12, 4 shell, 1 to 1/4 in.; 5 Centre, 1/4 to 1/2 in.; Rose Countersink, Plain Turned Screw, and Square Rimer.

**24, 5 Shell, 1/4 to 1/2 in.; Sash, 1/2 in.; 11 Centre, 1/2 to 1 in.; Flat Rose and Snail Countersink; Drill, 1/2 in.**

**Plain and Fork Turned Screw; Square Rimer.**

**56, 9 Shell, 1/4 to 3/4 in.; Sash, 1/2 and 1 in.; 5 Centre, 1/2 to 1 in.; Jennings' Auger 1/2 in.; Flat, Rose and Snail Countersinks; Flat Drill, 1/2 in.; Plain and Fork Turned Screw, Tap, Square Rimer, and Half-round Rimer.**

### Bit Rolls for Holding Auger and Brace Bits

**Fig. 1286.** For 6 Augers, 1/8 each; for 9 Augers, 2/8 each; for 13 Augers, 2/6 each.

**Fig. 1287.** For 18 Bits, 4/8 each; for 24 Bits, 4/8 each; for 36 Bits, 5/8 each.

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**BUCK & HICKMAN, LTD.**

**ROSE TOOLS, INC.**

---

**2, WHITECHAPEL ROAD, LONDON, E. I.**

---

**ROSE TOOLS, INC.**
BUCK & HICKMAN, LTD.

Millers Falls Expansive Bits (Made in U.S.A.) Fig. 5291. (M.F. Nos. 47 and 48)

<table>
<thead>
<tr>
<th>No.</th>
<th>Cutting</th>
<th>Price/each</th>
<th>Extra Cutters</th>
</tr>
</thead>
<tbody>
<tr>
<td>47</td>
<td>1/2 to 3 in.</td>
<td>6 1/2 each</td>
<td>9/9</td>
</tr>
<tr>
<td>48</td>
<td>1/2 to 1 1/2 in.</td>
<td>12 6/ per doz.</td>
<td>23 1/2 per doz.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Large Size with 2 cutters (Nos. 3 and 4)</th>
<th>Price/each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1/2 to 1 1/2 in.</td>
<td>9 1/2 each</td>
</tr>
<tr>
<td>4</td>
<td>1/2 to 1 1/2 in.</td>
<td>7 1/2 each</td>
</tr>
<tr>
<td>2</td>
<td>1/2 to 1 1/2 in.</td>
<td>6 1/2 each</td>
</tr>
</tbody>
</table>

British Made Expansive Bit Fig. 1228

<table>
<thead>
<tr>
<th>Size</th>
<th>Complete with 2 Cutters</th>
<th>Price/each</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1/2 to 1 1/2 in.</td>
<td>6 1/2 each</td>
</tr>
<tr>
<td>B</td>
<td>1/2 to 1 in.</td>
<td>6 1/2 each</td>
</tr>
</tbody>
</table>

Ames' Improved Non-Expanding Hollow Auger (Made in U.S.A.) Fig. 5284

<table>
<thead>
<tr>
<th>Size</th>
<th>Complete with 2 Cutters</th>
<th>Price/each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2 in.</td>
<td>6 1/2 each</td>
<td></td>
</tr>
<tr>
<td>3/4 in.</td>
<td>5 1/2 each</td>
<td></td>
</tr>
</tbody>
</table>

Improved Universal Hollow Auger (Made in U.S.A.) Fig. 5285

Wheeler's Patent Countersink for Wood (Made in U.S.A.) Fig. 5286

Stanley's Dowel Sharpener (Made in U.S.A.) Fig. 5287

2, WHITECHAPEL ROAD, LONDON, E. I.
BUCK & HICKMAN, LTD.,

New Type Centre Bits

Fig. 5292

Sizes

\[
\begin{array}{cccccccccccccccc}
& \frac{1}{8} & \frac{1}{4} & \frac{1}{2} & \frac{3}{8} & \frac{1}{2} & \frac{5}{8} & \frac{3}{4} & 1 & 1\frac{1}{4} & 1\frac{1}{2} & 1\frac{3}{4} & 2 & \\
\hline
\text{PRICE} & 8\frac{1}{2} & 10\frac{1}{2} & 12\frac{1}{2} & 15 & 17\frac{1}{2} & 19\frac{1}{2} & 21\frac{1}{2} & 24\frac{1}{2} & 27\frac{1}{2} & 30\frac{1}{2} \text{ per doz.}
\end{array}
\]

Brace Bits

Fig. 5264

Swiss Pattern Twist Bits

Sizes to

\[
\begin{array}{cccc}
& \frac{1}{8} & \frac{1}{4} & \frac{3}{8} & \frac{5}{8} \\
\hline
\text{PRICE} & 4\frac{1}{2} & 5\frac{1}{2} & 6\frac{1}{2} & 6\frac{1}{2} \text{ per doz.}
\end{array}
\]

Wood Drills for Brace

(Made in U.S.A.)

For full particulars, see Fig. 888 (Morse No. 392 and 393) Page 50.

Piercing Bits. Fig. 5892

Boat Bits. Fig. 5883

49/6 per gross

Length

\[
\begin{array}{cccccccc}
& 4 & 5 & 6 & 7 & 8 & 9 \\
\hline
\text{All sizes to 5 W.G.} & 3\frac{5}{6} & 4\frac{1}{2} & 4\frac{1}{11} & 6\frac{1}{2} & 7\frac{1}{6} & 9\frac{1}{2} \text{ per doz.}
\end{array}
\]

Millers Falls Bit Gauges

(Made in U.S.A.)

Fig. 5289 (No. 1)

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

PRICE 17/6 doz.

Fig. 6291. (No. 2)

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

PRICE 2/6 each

Fig. 6292. (No. 36)

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

PRICE 1/6 each

Bit Countersink

Fig. 5290

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

For

\[
\begin{array}{cccccccc}
& \frac{1}{8} & \frac{1}{4} & \frac{3}{8} & \\
\hline
\text{PRICE, without Guard} & 3\frac{5}{8} & 3\frac{5}{8} & 4\frac{1}{11} & \\
\text{with Guard} & 6\frac{1}{2} & 6\frac{1}{2} & 9\frac{1}{5} & \\
\end{array}
\]

Millers Falls Screw Driver Bits

(Made in U.S.A.)

Fig. 6294. (Nos. 4-10)

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

No.

\[
\begin{array}{cccccccc}
& 4 & 5 & 6 & 8 & \\
\hline
\text{Width of point} & 6\frac{1}{2} & 8\frac{1}{12} & 12-16 & 16-20 & \\
\text{No. Screw} & 12\frac{1}{2} & 12\frac{1}{2} & 13\frac{1}{2} & 15\frac{1}{2} & \\
\end{array}
\]

PRICE 6 per dozen, 4 in. long

2, WHITECHAPEL ROAD, LONDON, E.1.

624
### Boring Machine Augers

**Fig. 1329**

Suitable for Boring Machines, Figs. 5243 and 5244, ½ in. diameter Shank.

<table>
<thead>
<tr>
<th>Size</th>
<th>1/16</th>
<th>1/32</th>
<th>1/64</th>
<th>1/128</th>
<th>1/256</th>
<th>1/512</th>
<th>1/1024</th>
</tr>
</thead>
</table>

### Forstner Machine Auger Bits

**Fig. 5277**

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

<table>
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<th>Size</th>
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<th>1/32</th>
<th>1/64</th>
<th>1/128</th>
<th>1/256</th>
<th>1/512</th>
<th>1/1024</th>
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<td>PRICE</td>
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<td>7/16</td>
<td>7/32</td>
<td>1/2</td>
<td>1/4</td>
<td>1/8</td>
<td>1/16</td>
</tr>
</tbody>
</table>

½ in. diameter shank.

### Machine Centre Bits

**Fig. 5249**

½ in. diameter Shank.

<table>
<thead>
<tr>
<th>Size</th>
<th>1/16</th>
<th>1/32</th>
<th>1/64</th>
<th>1/128</th>
<th>1/256</th>
<th>1/512</th>
<th>1/1024</th>
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</thead>
<tbody>
<tr>
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<td>2/3</td>
<td>2/4</td>
<td>1/2</td>
<td>1/4</td>
<td>1/8</td>
<td>1/16</td>
</tr>
</tbody>
</table>

### Machine Boring Bit

**Fig. 1331**

Unequalled on Ply Woods

This Tool has been designed to meet the demand for a fast, smooth Boring Bit suitable for boring with or across the grain.

The broad point steadies the tool, the spurs outline the hole and the strong double cutters take out the portion outlined by the spur.

This Tool cuts freely and without clogging. Holes can be bored overlapping or at close centres without danger of running or splitting.

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

All Tools 5½ in. long overall.

**PRICE each**

<table>
<thead>
<tr>
<th>Diameter...</th>
<th>1/32</th>
<th>1/64</th>
<th>1/128</th>
<th>1/256</th>
<th>1/512</th>
<th>1/1024</th>
<th>1/2048</th>
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<tbody>
<tr>
<td>With ½ in. diam. shank</td>
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<td>8/8</td>
<td>7/8</td>
<td>7/8</td>
<td>8/8</td>
<td>9/8</td>
<td>11/16</td>
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<td>7/8</td>
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<td>11/16</td>
<td>11/16</td>
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<td>11/16</td>
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<td>11/16</td>
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</tbody>
</table>

### Dovetailing Bits

**Fig. 1332**

**Single Cutting Edge**

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

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

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Largest diameter</th>
<th>Pitch or centres</th>
<th>Depth of cut</th>
<th>PRICE, ½ in. diam. Shank</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
</tr>
</tbody>
</table>

**Double Cutting Edge**

| Screwed Shank | 8/3 | 6/3 | 7/3 | 6/3 | 7/3 | 5/6 | 5/6 | 5/6 | 5/6 | 8/3 | 9/2 |

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

2, WHITECHAPEL ROAD, LONDON, E. 1.
626
Three-Wing Slot Mortice Bits for Wood

![Diagram of a three-wing slot mortice bit]

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Length overall</th>
<th>Shank diam.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>1 1/2</td>
<td>3/4</td>
</tr>
<tr>
<td>3 1/2</td>
<td>1 1/4</td>
<td>1 1/4</td>
</tr>
<tr>
<td>4</td>
<td>1 1/4</td>
<td>1 1/4</td>
</tr>
<tr>
<td>4 1/2</td>
<td>1 1/2</td>
<td>1 1/2</td>
</tr>
<tr>
<td>5</td>
<td>1 1/2</td>
<td>1 1/2</td>
</tr>
<tr>
<td>5 1/2</td>
<td>1 1/2</td>
<td>1 1/2</td>
</tr>
<tr>
<td>6</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>6 1/2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

Two-Wing Mortice Bits for Wood

With Serrated Edge

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

All Shanks 2 in. long.

**PRICE each**

<table>
<thead>
<tr>
<th>Diameter in.</th>
<th>1/4</th>
<th>1/8</th>
<th>1/16</th>
<th>1/32</th>
<th>1/64</th>
<th>3/32</th>
<th>1/8</th>
<th>1/4</th>
<th>1/2</th>
<th>1/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length overall in.</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>5</td>
<td>5.5</td>
<td>6</td>
<td>6.5</td>
<td>7</td>
</tr>
<tr>
<td>Straight Shank in. diam. Shank</td>
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<td>1/8</td>
<td>1/16</td>
<td>1/32</td>
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<td>1/32</td>
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<td>3/32</td>
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<td>1/32</td>
<td>1/64</td>
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<td>1/8</td>
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<td>1/4</td>
<td>1/2</td>
<td></td>
</tr>
</tbody>
</table>

Machine Morticing Chisels

Self-Coring Type

![Diagram of a self-coring mortice tool]

Solid Type

![Diagram of a solid mortice tool]

Price on cut

<table>
<thead>
<tr>
<th>Price</th>
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<th>1/8</th>
<th>1/16</th>
<th>1/32</th>
<th>1/64</th>
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<th>1/8</th>
<th>3/32</th>
<th>1/4</th>
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</tbody>
</table>

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

Pinned Shanks and Slotted Shanks are charged extra.
Hollow Mortice Chisels and Augers

Fig. 5922

CHISELS WITH 4 in. BLADE AND AUGERS WITH 6 in. TWIST

<table>
<thead>
<tr>
<th>Size (Square)</th>
<th>Price, Chisel only</th>
<th>Price, Plain Auger only</th>
<th>Price, Patent Auger Bit</th>
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<tr>
<td></td>
<td>in.</td>
<td>in.</td>
<td>in.</td>
</tr>
<tr>
<td></td>
<td>Length of Shank in.</td>
<td>in.</td>
<td>Depth of Shank in.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/2 to 1/2</td>
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<td>6</td>
</tr>
<tr>
<td>1/4 to 1/2</td>
<td>6</td>
<td>6</td>
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</tr>
<tr>
<td>1/8 to 1/4</td>
<td>6</td>
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<td>1/16 to 1/8</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dimensions of Standard Tools

<table>
<thead>
<tr>
<th>Size in.</th>
<th>Chisels</th>
<th>Augers</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Length of Blade in.</td>
<td>Length of Shank in.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/4 to 1/2</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>1/4 to 1/2</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>1/8 to 1/4</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>1/16 to 1/8</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hollow Chisel and Bit Bushings

Fig. 1404
Split Chisel Bushings

<table>
<thead>
<tr>
<th>Outside dia. in.</th>
<th>Dia. of Hole, in.</th>
<th>Price each</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4</td>
<td>9/8</td>
<td>4/4</td>
</tr>
<tr>
<td>1/4</td>
<td>11/8</td>
<td>5/8</td>
</tr>
<tr>
<td>1/4</td>
<td>12/4</td>
<td>7/4</td>
</tr>
<tr>
<td>1/4</td>
<td>14/4</td>
<td>9/4</td>
</tr>
<tr>
<td>1/4</td>
<td>15/4</td>
<td>14/4</td>
</tr>
<tr>
<td>1/4</td>
<td>16/4</td>
<td>16/4</td>
</tr>
</tbody>
</table>

Fig. 1405
Split Bit Bushings

<table>
<thead>
<tr>
<th>Outside dia. in.</th>
<th>Dia. of Hole, in.</th>
<th>Price each</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/4</td>
<td>4/4</td>
<td>4/4</td>
</tr>
<tr>
<td>4/4</td>
<td>5/4</td>
<td>5/4</td>
</tr>
<tr>
<td>4/4</td>
<td>6/4</td>
<td>6/4</td>
</tr>
<tr>
<td>4/4</td>
<td>7/4</td>
<td>7/4</td>
</tr>
<tr>
<td>4/4</td>
<td>8/4</td>
<td>8/4</td>
</tr>
</tbody>
</table>

Closed End Bushings can also be supplied if required, Prices on application.

Countersinking Tool for Hollow Chisel Mouths

Fig. 1333

The adoption of this Countersinking Tool for sharpening Chisels eliminates the installation of special machinery for this purpose. It is simple to use and considerably reduces the amount of filing. The tool is maintained centrally with the axis of the Chisel by means of a pilot which fits the hole of the respective size of Chisel to be sharpened and these ensure all four cutting edges of the Chisel being sharpened evenly. The corners of the Chisels are finished off with a file.

High Speed Steel

the bevel being the same until the cutting edges are brought up to a knife edge.

For Chisels

| Price | 6/9 7/6 9/6 10/6 11/6 12/6 13/6 14/6 15/6 20/6 25/6 30/6 35/6 40/6 45/6 50/6 55/6 60/6 65/6 | each |

2, WHITECHAPEL ROAD, LONDON, E.1.

628

ROSE TOOLS, INC.
Gimlets and Awls

Best Cast Steel Shell Gimlets
Fig. 5305. Assorted to 1/2 in., 7/8 each: 4/2 doz.

Best Cast Steel Shell Spike Gimlets
Fig. 5306
Size .... 1/8 5/32 1/16 1/32 in.
Price ... 5/8 9/16 11/16 18/16 24/16 doz.

Best Cast Steel Twist Spike Gimlets
Fig. 5308
Size .... 1/2 1/8 1/16 1/32 in.
Price ... 5/8 9/16 11/16 18/16 24/16 doz.

Best Cast Steel Auger Gimlets
Fig. 5309
Size .... 1/2 1/8 1/16 1/32 in.
Price ... 5/8 9/16 11/16 18/16 24/16 doz.

Brewers’ or Dock Frets
Fig. 5312
Price, 2/3 each: 30/ doz.

Brewers’ or Dock Frets
Fig. 5311
Price, 1/2 each: 11/ doz.

Brewers’ Shell Gimlets
Fig. 5310
Price, 1/2 each: 11/ doz.

Wine Frets
Fig. 5313
Price, 2/2 each: 24/ doz.

Bellhangers’ Shell Gimlets
Fig. 5314
Length .... 12 18 24 30 36 in.
Size 1/4 or 1/8 in. 1/4 1/8 1/8 1/8 1/8 each
Price ... 

Flooring Awls
Fig. 5317
Ash or Beech Handled.
Price ... 

Flooring Awl Blades
Price ... 

2, WHITECHAPEL ROAD, LONDON, E.1.
BUCK & HICKMAN, LTD.,

Wood Bench Planes

Smoothing Planes

Fig. 5076

Width of Iron, up to

A With Best Cast Steel, Brass Nutted, Double Irons

B Single Iron

C Best Cast Steel Double Irons and Movable Iron Front

D Best Cast Steel Double Irons and Iron Shoe Sole

Gents' to 14 in., Single Iron

Carpenters' Low Pitch, to 2 in., Single Iron

Any of the above fitted with Parallel Irons

Fig. 5077

A With Best Cast Steel, Brass Nutted, Double Irons, 5½ in.

B Do., and Screw Stop, 2½ in.

C Do., and Boxwood T Stop, 2½ in.

Fig. 5078

A Compass Smoothing Plane, to 11 in., Best C.S. Double Irons

Fig. 5078M

B Jack Smoothing Plane, to 21 in., Best C.S. Double Irons

Fig. 5079

Technical or Sunk Handle Jack Planes

With Best C.S. Double Irons and Boxwood Striking Knob, to 20 in., Long Width of Iron, 2½ in., 12/8; 2½ in., 12½; 2½ in., 12½/8 each

Fig. 5079F

Panel Plane, to 16 in. long, to 24 in., C.S. Irons

Fig. 5080

Trying Planes

Length of Stock

Regular Width of Iron

With Best Cast Steel, Brass Nutted Double Irons

Fig. 5080A

Standard stock size, 22 in. × 73 in.

Fig. 5081

Shutting Planes.

A With Handle on side, square mouth, 22 in. long × 3 in. C.S.

B Do., do., but with Shave Mouth

C No., do., do., but with plate on face

Fig. 5082

Coopers' Jointer Planes

See Coopers' Tools

Old Woman's Tooth Planes

Fig. 5083

Router Pattern.

Price, without Iron

Tooothing Planes

Fig. 5084

Router Style

Price, without Iron

Fig. 5085

Router Style

Rabbet Planes

Fig. 5086

Fig. 5087

With one corner of fine Iron, to 2 in.

Do., with 2 Irons

Fig. 5087S

Router Pattern.

Price, without Iron

Fig. 5088

Router Style

Fig. 5089

Router Style

Fig. 5090

Router Style

2, WHITECHAPEL ROAD, LONDON, E. 1.
Wood Planes—continued
Hollow and Round Planes
Fig. 5082
A. Square Mouth, to No. 15 or 1 1/2 in. ... 8/6 per pair
B. Skew Mouth " " " 9/8 "
Every 1/4 in. above No. 15 " " 7/8 per pair extra
A. Square Mouth, Half Set of 9 pairs, 2 to 18 ... 80/6
" " Full 18 " " 160/6
B. Skew Mouth, Half Set of 9 pairs, 2 to 18 ... 89/6
" " Full 18 " " 178/6
Side Rounds ... 9/4 per pair

Grooving or Match Planes
Fig. 5081
To 1 1/4 1 inch
A. Tonguing and Grooving Planes 11/4 11/3 12/ per pair
B. Do. do. with Solid Handles 24/6 25/6 26/6 "
C. Grooving Plane for Drawer Bottoms, with steel plate ... right hand, 6/6 each
" " left ... 6, 6 "
D. Moving Tonguing and Grooving, with 3 pairs irons, 26/6 pair

Plough Planes
Fig. 5085
O. Plough Plane, with screw stop and 8 bright irons, 30/6 ea.
A. " " capped stems and 8 bright irons, 35/6 "
B. " " improved stop, extra work on fence and with 8 bright irons, 42/6 "
C. " " beech screw stems, with 8 bright irons ... 46/6 "
D. " " box screw stems, with 8 bright irons 54/6 "

Moving Filletster Planes
Fig. 5084
A. Moving Filletster Plane, brass slip stop, with tooth and boxed ... 18/6 ea.
B. " brass screw stop, shoulder boxed and forked tooth ... 20/6 "
C. " as B., but with improved fence ... 21/6 "
D. " as C., but dovetail boxed ... 23/6 "

Sash Filletster Planes
Fig. 5083
A. Sash Filletster, wood stop ... 13/6 ea.
B. " brass screw stop ... 19/6 "
C. " and capped stems ... 24/6 "
D. " shoulder boxed, left-hand, forked tooth and improved stop ... 36/6 "
E. " as D., but with dovetailed boxwood face 42/6 "
Boxwood Fence ... 4/6 each extra.

2, WHITECHAPEL ROAD, LONDON, E. 1.
## Moulding Planes

Diagrams shew the Pattern of Mould produced. Other patterns to order.

<table>
<thead>
<tr>
<th>Bead Planes</th>
<th>Cabinet Ovalo Planes</th>
<th>Cabinet Ogee Planes</th>
<th>Quirk Ogee Planes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 5096</td>
<td>Fig. 5098A</td>
<td>Fig. 5098B</td>
<td>Fig. 5099</td>
</tr>
</tbody>
</table>

- **Bead Plane**: Boxed to ¾ in. 5½ each. Slipped to ¾ in. 6½ each.
- **Cabinet Ovalo Plane**: Ovale Plane, to ¾ in. 5½ each. Ovalo Plane, to ¾ in., 7½ each. Every ½ in. above, 7½ extra.
- **Cabinet Ogee Plane**: Ogee Plane, to ¾ in. 5½ each. Every ½ in. above, 7½ extra.
- **Quirk Ogee Plane**: Quirk Ogee Plane, to 1 in. 7½ each. Every ½ in. above, 7½ extra.

### Reed or Centre Bead Planes

- **Fig. 5097**: All sizes to ¾ in. reeds 7½ each.
  - **Single reed**: 6½ each.
  - **Two reeds**: 7½ each.
  - **Three reeds**: 9½ each.
  - **Bevelled Quirks**: 7½ extra.

### Lamb Tongue Sash Planes

- **Fig. 5101**: With templates To ½ × ¾, 1½ or 2 in., 10½ pair.
  
  - **Every ½ in. above**: 1½ pair extra.

### Ovalo Sash Planes

- **Fig. 5102**: A With templates, to ½ × 1½, 1½ or 2 in. 14½ pair.
  
  - **B With improved brass end templates**: to ½ × 1½, 1½ or 2 in. 24½ pair.

### Ovalo Sash Templates

- **Fig. 5102T**: 3½ pair.

### Stick Traps

- **Fig. 5960**: With one Cutter and Plated Mouth, 30½ each.

## Coachmakers' Planes and Routers

<table>
<thead>
<tr>
<th>T Rabbet Plane</th>
<th>Coach Door Smooth Plane</th>
<th>Coach Door Jack Plane</th>
<th>Beading Router</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 5103</td>
<td>Fig. 5105</td>
<td>Fig. 5107</td>
<td>Fig. 5109</td>
</tr>
</tbody>
</table>

- **T Rabbet Plane**: Each.
  - **Straight, to ½ in.**: 8½.
  - **Dovetail Boxed Face**: 12½.

- **Coach Door Smooth Plane**: 9/6 each.
  - If Plated at Mouth, 12½ each.

- **Coach Door Jack Plane**: 13½ each.
  - If Plated at Mouth, 17½ each.

- **Boxing Router**: 34½ each.

- **Beading Router**: With one pair irons Extra Irons, 2½ per pair.

### Jigger Router

- **Fig. 5111**: 16½ each.

### London Pattern Fence Router

- **Fig. 5114 (Left Hand)**: With Thumb Screw, 32½ per pair.

---

2, WHITECHAPEL ROAD, LONDON, E.1.

632
Millers Falls Adjustable Iron Planes

Bottoms and frogs of these planes are of fine grey iron castings, suitably ribbed to prevent springing. Plane irons are special crucible cast steel. Handles and knobs of selected rosewood.

Plane bottoms bright finish on bottom and sides with top enamelled black. Frogs enamelled red. Lever cap polished and nickel-plated.

Lever cap of two-piece design clamping the plane iron securely to the frog and preventing chattering. One-piece lateral adjusting lever of pressed metal.

**Fig. 6455**

**Smoothing**

Handles and Knobs selected Rosewood.

End and Side adjustment of cutters.

<table>
<thead>
<tr>
<th>No.</th>
<th>Length</th>
<th>Cutter</th>
<th>Weight</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>7 in.</td>
<td>1 ½ in. wide</td>
<td>2½ lb.</td>
<td>13/6</td>
</tr>
<tr>
<td>8</td>
<td>8 in.</td>
<td>1 in.</td>
<td></td>
<td>12/3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8C</td>
<td>As No. 8, but with corrugated bottom</td>
<td></td>
<td></td>
<td>12/9</td>
</tr>
<tr>
<td>10</td>
<td>10 in.</td>
<td>2 ½ in. wide</td>
<td>4 lb.</td>
<td>15/6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10C</td>
<td>As No. 9, but with corrugated bottom</td>
<td></td>
<td></td>
<td>13/6</td>
</tr>
</tbody>
</table>

**Jack**

<table>
<thead>
<tr>
<th>No.</th>
<th>Length</th>
<th>Cutter</th>
<th>Weight</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>11 ½ in.</td>
<td>1 ½ in. wide</td>
<td>3½ lb.</td>
<td>16/3</td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>1 ½ in.</td>
<td></td>
<td>15/6</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>2 ½ in.</td>
<td></td>
<td>18/3</td>
</tr>
<tr>
<td>14C</td>
<td>As No. 14, but with corrugated bottom</td>
<td></td>
<td></td>
<td>10/6</td>
</tr>
<tr>
<td>15C</td>
<td></td>
<td>1 ½ in.</td>
<td></td>
<td>18/3</td>
</tr>
</tbody>
</table>

**Fore**

<table>
<thead>
<tr>
<th>No.</th>
<th>Length</th>
<th>Cutter</th>
<th>Weight</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>18 in.</td>
<td>2 ½ in. wide</td>
<td>6½ lb.</td>
<td>20/6</td>
</tr>
<tr>
<td>18C</td>
<td>As No. 18, but with corrugated bottom</td>
<td></td>
<td></td>
<td>21/6</td>
</tr>
</tbody>
</table>

**Jointer**

<table>
<thead>
<tr>
<th>No.</th>
<th>Length</th>
<th>Cutter</th>
<th>Weight</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>22 in.</td>
<td>2 ½ in. wide</td>
<td>8 lb.</td>
<td>25/6</td>
</tr>
<tr>
<td>24</td>
<td></td>
<td>2 ½ in.</td>
<td></td>
<td>30/6</td>
</tr>
<tr>
<td>22C</td>
<td>As No. 22, but with corrugated bottom</td>
<td></td>
<td></td>
<td>25/6</td>
</tr>
<tr>
<td>24C</td>
<td></td>
<td>2 ½ in.</td>
<td></td>
<td>31/6</td>
</tr>
</tbody>
</table>

Millers Falls Adjustable Block Planes

End and side adjustment of cutters. Adjustable throat.

**Japanned Trimming**

<table>
<thead>
<tr>
<th>No.</th>
<th>Length</th>
<th>Cutter</th>
<th>Weight</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>6 in.</td>
<td>1 ½ in. wide</td>
<td>1 ½ lb.</td>
<td>8</td>
</tr>
<tr>
<td>17</td>
<td>7 in.</td>
<td>1 ½ in. wide</td>
<td>1 ½ lb.</td>
<td>10/6</td>
</tr>
</tbody>
</table>

**Nickel Trimming**

<table>
<thead>
<tr>
<th>No.</th>
<th>Length</th>
<th>Cutter</th>
<th>Weight</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>6 in.</td>
<td>1 in.</td>
<td></td>
<td>11/6</td>
</tr>
<tr>
<td>27</td>
<td>7 in.</td>
<td>1 in.</td>
<td></td>
<td>11/6</td>
</tr>
<tr>
<td>36</td>
<td>6 in.</td>
<td>1 in.</td>
<td></td>
<td>11/6</td>
</tr>
<tr>
<td>37</td>
<td>7 in.</td>
<td>1 in.</td>
<td></td>
<td>12/6</td>
</tr>
</tbody>
</table>

*These Planes have Casps same shape as Nos. 18 and 17.*
Millers Falls Adjustable Block Planes

Fig. 6456 (continued)

Low Angle. Adjustable Throat

No. 56. Length, 6 in.; Cutter, 1\(\frac{1}{2}\) in. wide. Weight, 1\(\frac{3}{4}\) lb.
Price 9/6 each

No. 57. Length, 7 in.; Cutter, 1\(\frac{1}{2}\) in. wide. Weight, 1\(\frac{1}{4}\) lb.
Nickel Trimming

Price 10/9 each

Low Angle. Non-Adjustable Throat

No. 66. Length, 6 in.; Cutter, 1\(\frac{3}{4}\) in. wide. Weight, 1\(\frac{1}{2}\) lb.
Nickel Trimming

Price 10/6 each

Block and Rabbet Plane

No. 57. Length, 7 in.; Cutter, 1\(\frac{1}{2}\) in. wide. Weight, 1\(\frac{1}{4}\) lb.
Japanese Trimming

Price 10/9 each

Changed from a Block to a Rabbet Plane by removing sides.
Has a skew cutter.

Lever Adjustment

No. 55. Length, 5\(\frac{1}{2}\) in.; Cutter, 1\(\frac{1}{2}\) in. wide. Weight, \(\frac{3}{4}\) lb.

Price 4/2 each

Lever Adjustment

No. 97. Length, 7 in.; Cutter, 1\(\frac{1}{2}\) in. wide. Weight, 1\(\frac{1}{4}\) lb.

Price 5/10 each

Screw Adjustment

No. 75. Length, 7 in.; Cutter 1\(\frac{3}{4}\) in. wide. Weight, 1\(\frac{1}{4}\) lb.

Price 5/10 each

Screw Adjustment

No. 45. Length, 5\(\frac{1}{2}\) in.; Cutter, 1\(\frac{1}{2}\) in. Weight, 1\(\frac{1}{4}\) lb.

Price 6/6 each

Non-Adjustable. Fig. 6456 N

No. 5. Length, 5\(\frac{1}{2}\) in.; Cutter, 1\(\frac{1}{2}\) in. wide. Weight, \(\frac{3}{4}\) lb.

Price 2/3 each

No. 87

Price 3/9 each

2, WHITECHAPEL ROAD, LONDON, E. 1.
Millers Falls Non-adjustable Block Planes

Fig. 6456N (continued)

No. 33

No. 3. Length, 3½ in.; Cutter, 1 in. wide. Weight, ½ lb.

No. 33

No. 3

PRICE 2/ each

No. 68. Height, 8 in.; Cutter 1½ in. wide. Weight, 1½ lb.

PRICE 6/6 each

With two Slots and two cutter seats

Millers Falls Scrub Planes Fig. 6457

Handles and knobs of hard wood. Cutter extra heavy with round cutting edge.

No. 9½. Length, 9½ in.; Cutter 1½ in. wide. Weight, 2½ lb.

PRICE 8/6 each

No. 10½. Length, 10½ in.; Cutter 1½ in. wide. Weight 2½ lb.

PRICE 10/6 each

Millers Falls Bull Nose Rabbet Planes Fig. 6458

Especially adapted for working in close quarters. Japanned finish.

No. 4. Length, 4 in.; Cutter 1 in. wide. Weight, ½ lb.

PRICE 2/6 each

Millers Falls Router Planes Fig. 6459

No. 67. Length, 7¾ in.; two Cutters (one each, ¼ and ½ in.), nickel plated. Weight, 2½ lb.

PRICE 15/ each

Cutters can be held on front of cutter post for regular work or on back for bull nose work. An attachment is furnished for closing throat for narrow surface work and regulating depth of cut.

Millers Falls Router Planes Fig. 6459a

No. 77. Length, 7¾ in.; two Cutters (one each, ¼ and ½ in.), nickel plated. Weight, 2½ lb.

PRICE 12½ each

Millers Falls Scraper Planes, Double Handle, Fig. 6460

No. 64. Length, 6½ in.; Cutter, 2½ in. Japanned. Rosewood handle. Weight, 3½ lb.

PRICE 18/9 each

With Wood Bottom


PRICE 25/9 each. Extra Rosewood bottoms 2/3 each.

2, WHITECHAPEL ROAD, LONDON, E. 1.
ROSE TOOLS, INC.

BUCK & HICKMAN, LTD.

Stanley Rule and Level Co.'s Adjustable Planes

"Bailey" Planes.  Fig. 5118

The "Bailey" Plane as now made gives the cutter a firm resting place on the frog, which rests on machined surfaces, and is fastened by two screws to bosses cast in bottom of plane, on either side of a very strong rib, making in effect one solid piece from cap to bottom.

"Bed-Rock" Planes.  Fig. 5852

The bottom of the frog is machined so as to make it a tongue which fits into a groove formed in the bottom of the Plane, ensuring great solidity and perfect alignment. Screw adjustment for opening or closing the throat.

The Cutters are the same in both planes, made of a thin parallel steel of high quality.

No. 4. "Bailey" Smooth Plane
No. 6. "Bailey" Fore Plane
"Bailey" Lever Caps . . . 2/1 each

No. 605. "Bed Rock" Jack Plane
"Bed Rock" Lever Caps . . . 2/6 each

With Corrugated Bottoms

"C" added to number denotes this type.

Prices as below

Iron Planes, with Rosewood Handles and Knobs

<table>
<thead>
<tr>
<th>Smooth, 5 1/2 in. long, 1 1/2 in. Cutter</th>
<th>&quot;Bailey.&quot; Fig. 5118</th>
<th>&quot;Bed Rock&quot; Fig. 5852</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>12/6</td>
<td>.</td>
</tr>
<tr>
<td>No. 2</td>
<td>13/6</td>
<td>.</td>
</tr>
<tr>
<td>No. 3</td>
<td>12/3</td>
<td>No. 3 C</td>
</tr>
<tr>
<td>No. 4</td>
<td>12/3</td>
<td>No. 4 C</td>
</tr>
<tr>
<td>No. 5</td>
<td>12/6</td>
<td>No. 5 C</td>
</tr>
<tr>
<td>No. 6</td>
<td>15/6</td>
<td>.</td>
</tr>
<tr>
<td>No. 7</td>
<td>15/6</td>
<td>.</td>
</tr>
<tr>
<td>No. 8</td>
<td>15/6</td>
<td>.</td>
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Plane Irons.  Fig. 5119

To suit above Planes

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Block Planes.  Fig. 5120

No. 91 and 15
No. 91 Japan Trimmings, 6 in. long, 1 1/2 in. Cutter $8 each
15.
16.
17.
Cutters, 21/ per doz.; Lever Caps, Nos. 91, 15, 79, Nos. 16, 17, 13/ each

No. 51 and 15 1/2
No. 60 Japan Trimmings, 6 in. long, 1 1/2 in. Cutter $9 6/ each
60.
Cutters, 21/ per doz.; Lever Caps, Nos. 60, 61, 13/ each

Low Angle Block Planes.  Fig. 5122

No. 604 Japan Trimmings, 6 in. long, 1 1/2 in. Cutter $9 6/ each
60.
Cutters, 21/ per doz.; Lever Caps, Nos. 60, 61, 13/ each

Knuckle-Joint Low Angle Block Plane

Fig. 5869 (No. 65)

No. 65 Japan Trimmings, 7 in. long, 1 1/2 in. Cutter $9 6/ each
Cutters, 21/ per doz.; Lever Caps, 3/ each

Knuckle-Joint Block Planes

Fig. 5121 (Nos. 18 and 19)

Nickel Fittings

No. 18
6 in. long, 1 1/2 in. Cutter $11 6/ each
Cutters, 21/ per doz.; Lever Caps, 3/ each

No. 19
7 in. 1 1/2 in. Cutter $12 6/ each

No. 65
Nickel Trimmings, 7 in. long, 1 1/2 in. Cutter $13 6/ each
Cutters, 21/ per doz.; Lever Caps, 3/ each

2, WHITECHAPEL ROAD, LONDON, E. 1.
Stanley Block Planes

No. 101. 3½ in. long, 1 in. Cutter. PRICE 1/9 each
Extra Cutters, 6½ per doz.; Lever Caps, 7/8 each

No. 100. With Handle. 3½ in. long, 1 in. Cutter. PRICE 2½ each
Extra Cutters, 6½ per doz.; Lever Caps, 7/8 each

No. 102. 5½ in. long, 1½ in. Cutter. PRICE 2½ each
Extra Cutters, 12½ per doz.
No. 103. Lever adjustment, 5½ in. long, 1½ in. Cutter. PRICE 3½ each
Extra Cutters, 12½ per doz.

No. 220. Screw adjustment, 7 in. long, 1½ in. Cutter.
PRICE 5½ each
Extra Cutters, 21½ per doz.; Lever Caps, 7/9 each

No. 203. Screw adjustment, 5½ in. long, 1½ in. Cutter.
PRICE 6½ each
Extra Cutters, 21½ per doz.; Lever Caps, 7/9 each

No. 203. Screw adjustment, 5½ in. long, 1½ in. Cutter.
PRICE 6½ each
Extra Cutters, 21½ per doz.; Lever Caps, 7/9 each

Adjustable Double-end Block Plane

Fig. 5123 (No. 131)

Will reverse, as indicated in illustration.
No. 131. Japan Trimming, 6 in. long, 1½ in. Cutter, 11/3 each.
Extra Cutters, 21½ per doz.; Lever Caps, 7/9 each

No. 130. Double end, 8 in. long, 1½ in. Cutter.
PRICE 6½ each
Extra Cutters, 15½ per doz.; Lever Caps, 7/9 each

Block and Rabbet Plane

Fig. 5125 (No. 140)

A detachable side changes it from a Block to a Rabbet Plane.
No. 140. Japan Trimming, Rosewood Knob, 7 in. long, 1½ in.
Cutter. PRICE 10½ each
Extra Cutters, 27½ per doz.; Lever Caps, 1½ each

Bull-Nose Rabbet Plane

Fig. 5125 (No. 20)

Adjustable mouth, Japanned, 4 in.
long, 1 in. Cutter. PRICE 2½ each
Extra Cutters, 2½ per doz.; Lever Caps, 7/9 each

Victor Adjustable Circular Plane

Fig. 5125 (No. 20)

The face is fastened at each end to the Plane body and adjusted by a screw at the centre. This construction gives great strength.
Japanned, 10 in. long, 1½ in. Cutter
Extra Cutters, as Fig. 5119, p. 636
PRICE 2½ each
Lever Caps, 2½ each

Stanley Adjustable Circular Plane

Fig. 5127 (No. 113)

Left Side
By means of the graduated scale on the gears, the face can be accurately set to an arc either concave or convex.
Japanned, 10 in. long, 1½ in. Cutter. PRICE 2½ each
Extra Cutters, as Fig. 5119, p. 636. Lever Caps, 2½ each
BUCK & HICKMAN, LTD.

Stanley Planes

Side Rabbet Planes
Fig. 5134. (Nos. 98 and 99).

Right Hand
Left Hand

For side rabbeting in trimming dadoes, mouldings and grooves of all sorts. A reversible nose-piece gives the tool a form whereby it will work close up into corners. Fitted with depth gauge.

Rosewood knob. Nickel plated.

No. 98. Right Hand, 4 in. long, 4 in. Cutter. PRICE 8/6 each.
No. 99. Left " " " " " 8/9 " "
Cutters for above, 21/2 per doz. Lever Caps, 7/9 each.

Beadings and Matching Plane
Fig. 5145. (No. 50).

A small combination Plane for light work. Adapted for plough, beading, matching, and rabbit work. Fitted with Spur, Depth Gauge and a Fence, having 5 in. adjustment.

Fifteen Cutters as follows:—7 Plough and Dado, 4 to 3 in.; 7 Beading, 3 to 2 1/2 in.; 1 Tonguing, 2 1/2 in.
No. 50. 9 1/2 in. long, nickel plated. PRICE 30/6 each.
Cutters for above, 14/6 per Set.

Carriage Makers' Rabbet Plane
Fig. 5129. (Nos. 10, 10 1/2, and 10 1/4).

Adjustable Cutters, Rosewood Handles, and Knobs.

No. 10. 13 in. long, 2 1/2 in. Cutter. PRICE 21/6 each.
No. 10 1/2. " " 2 1/2 " " 23/6 " "
No. 10 1/4. " " " 23/6 " "
Handle and Knob arranged to tilt.

No. 10 1/4. 13 in. long, 2 1/2 in. Cutter. PRICE 35/6 each.
Cutters, as Fig. 5119, p. 636. Lever Caps, 2/6 each.

Duplex Rabbet Plane and Filletster
Fig. 5142. (No. 78).

Has two seats for the cutter, one for regular and the other for bull-nose work, also spur and removable depth gauge. The adjustable fence can be used on either side and slides under the bottom.

To work as a rabbet plane: remove fence and arms.

No. 78. 8 1/2 in. long, 1 1/2 in. Cutter. PRICE 10/6 each.
Cutters for above 21/2 per doz. Lever Caps, 7/9 each.

Stanley Shute Board and Plane
Fig. 5139. (No. 52).

This combination (sometimes called a "Jack Board") is particularly valuable for pattern makers, cabinet makers, printers, picture framers, electrotypers, and amateurs.

The board is made of special iron, is of ribbed construction and has an adjustable runway, accurately machined for the plane.

The swivel is indexed at forty-five and ninety degrees, but can be locked at any angle between zero and ninety degrees, the quadrant being graduated between these points.

The swivel is fitted with a sliding back that can be adjusted close to the plane, supporting the work to the edge and preventing splintering. It is further provided with a sliding back clamp, designed to hold any shaped work in position.

The plane is specially constructed for the board, and has rosewood handle and knob.

The cutter is fitted with the regular "Bailey" adjustment for depth of cut, has a lateral adjustment, giving any ordinary draft to a pattern, and being set on a slow, will make a very smooth, clean cut.

No. 52. 22 in. long, complete with plane. PRICE 85/6 each.

No. 51. Plane only, 15 in. long, 2 1/2 in. Cutter. PRICE 35/6 each.

Cutters for above, as Fig. 5119, p. 636. Lever Caps, 2/6 each.

2, WHITECHAPEL ROAD, LONDON, E.1.

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ROSE TOOLS, INC.

BUCK & HICKMAN, LTD.,

Stanley Planes (Made in U.K.)
Skew Cutter Combination

Fig. 5147 (No. 46)
For Plow, Dado, Filletster, Matching and Rabbet work
Fitted with spurs, depth gauge and fence with Rosewood face.
This tool is accompanied by eight Plow and Dado bits (⅜, ⅝,
⅞, ⅜, ⅝, ⅞, ⅝, and ⅜ in.), Filletster Cutter, ⅜ in., Slitting Cutter, ⅜ in.
No. 46. Nickel plated, with 12 tools, bits, etc. **PRICE 50¢ each.
Cutters for above, 16/9 per set.

Stanley "Forty-Five" Plane (Made in U.K.)

Fig. 5148 (No. 45)
This Plane embraces (1) Beading and Centre Beading Plane; (2) Rabbet and Filletster; (3) Dado; (4) Plow; (5) Matching Plane; (6) Sash Plane; and (7) a superior Slitting Plane. Each plane is fitted with adjustable fence or guide and depth gauge, and also with spurs for use in working across the grain. This Plane can be used right or left-hand.
Each Plane has seven Beading tools (⅜, ¼, ⅛, ⅛, ¼, ⅛, and ⅛ in.), eleven Plow and Dado bits (⅜, ⅝, ⅞, ⅝, ⅜, ¾, ½, ⅛, ⅝, and ⅞ in.), a Slitting Blade, a Sash Tool, a ½ in. Filletster Blade and two Tonguing tools (⅜, ⅝ in.).
Cutters are listed on following page with prices.
No. 45. Nickel plated, with 23 Tools, Bits, etc. **PRICE 60¢ each.
No. A45. Aluminium, with 23 Tools, Bits, etc. **PRICE 99¢ each.
Of the Cutters for Plane No. 55 (next page), Nos. 2, 28, 29, 31, 32, 33, 34, 35, 36, 37, 38, 212, 213, 214, 215, 222, 223, 224, 225, 232, 233, 234 and 235, in addition to the 21 sold with the Plane, will work in Plane No. 45. The other Cutters for No. 55 cannot be used in No. 45.

Hollows and Rounds for "Forty-Five" Plane
By substituting a specially formed detachable bottom for the sliding section, Cutters known as "Hollows" and "Rounds" may be used to advantage. A special bottom is required for each size of these tools. The following sizes can be furnished.

**PRICE per pair**

<table>
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<tr>
<th>Size</th>
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<tr>
<td>No. 6</td>
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<td>No. 8</td>
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<td>No. 10</td>
<td>13¢</td>
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Cutters for above, 9¢/3 per set.

Nosing Tool for "Forty-Five" Plane
No. 8. 1½ in. Cutter (attach same as above). **PRICE 8¢ ea.
Stanley Universal Plane

Fig. 5149. (No. 55)

This tool, in the hands of an ordinary carpenter, can be used on all lines of work covered by a full assortment of so-called fancy planes.

In addition to being a Bending and Centre Bending Plane, Plough, Dado, Rabbet, Filletater, Match Plane, Sash Plane and Slitting Plane, is also a superior Moulding Plane, and will accommodate Cutter of almost any shape or size.

The regular equipment sent with the plane comprises 55 Cutters: Nos. 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29, 32, 34, 36, 38, 40, 41, 43, 45, 47, 53, 54, 55, 57, 62, 64, 73, 75, 82, 84, 86, 88, 93, 95, 102, 104, 106, 113, 115, 118, 212, 222, 232. These Cutters, together with the Plane and all its attachments, are packed in a neat substantial box.

In addition to the above, 41 additional Cutters are listed and can be furnished to order. The complete list of 94 Cutters is given below.

All metal parts of the Plane are Nickel-plated. The handle and fences are made of selected rosewood, and every part is well finished.

No. 55. Complete with attachments and 55 Cutters, as above.

PRICE £6 10 0 each.

Complete List of Cutters for Universal Plane

No. 55

| Sash Tool, No. 1 | £1 1 0 each |
| Match Tool, No. 5 | £1 1 0 each |
| Slitting Tool, No. 8 | £1 1 0 each |
| Filing, No. 9 | £1 1 0 each |
| Plough and Dado Tool— | |
| No. 10 | £1 1 0 each |
| No. 11 | £1 1 0 each |
| No. 12 | £1 1 0 each |
| No. 13 | £1 1 0 each |
| No. 14 | £1 1 0 each |
| No. 15 | £1 1 0 each |
| No. 16 | £1 1 0 each |
| No. 17 | £1 1 0 each |
| No. 18 | £1 1 0 each |
| No. 19 | £1 1 0 each |
| Bead Tool— | |
| No. 21 | £1 1 0 each |
| No. 22 | £1 1 0 each |
| No. 23 | £1 1 0 each |
| No. 24 | £1 1 0 each |
| No. 25 | £1 1 0 each |
| No. 26 | £1 1 0 each |
| No. 27 | £1 1 0 each |
| No. 28 | £1 1 0 each |
| Fluting Tool— | |
| No. 31 | £1 1 0 each |
| No. 32 | £1 1 0 each |
| No. 33 | £1 1 0 each |
| No. 34 | £1 1 0 each |
| No. 35 | £1 1 0 each |
| No. 36 | £1 1 0 each |
| No. 37 | £1 1 0 each |
| No. 38 | £1 1 0 each |
| Hollow Tool— | |
| No. 42 | £1 1 0 each |
| No. 43 | £1 1 0 each |
| No. 44 | £1 1 0 each |
| No. 45 | £1 1 0 each |
| No. 46 | £1 1 0 each |
| No. 47 | £1 1 0 each |
| Round Tool— | |
| No. 52 | £1 1 0 each |
| No. 53 | £1 1 0 each |
| No. 54 | £1 1 0 each |
| No. 55 | £1 1 0 each |
| No. 56 | £1 1 0 each |
| No. 57 | £1 1 0 each |
| Quarter Hollow— | |
| No. 61 | £1 1 0 each |
| No. 62 | £1 1 0 each |
| No. 63 | £1 1 0 each |
| No. 64 | £1 1 0 each |
| No. 65 | £1 1 0 each |
| Quarter Round— | |
| No. 71 | £1 1 0 each |
| No. 72 | £1 1 0 each |
| No. 73 | £1 1 0 each |
| No. 74 | £1 1 0 each |
| Reverse Ogee— | |
| No. 81 | £1 1 0 each |
| No. 82 | £1 1 0 each |
| No. 83 | £1 1 0 each |
| Roman Ogee— | |
| No. 91 | £1 1 0 each |
| No. 92 | £1 1 0 each |
| No. 93 | £1 1 0 each |
| Greek Ogee— | |
| No. 101 | £1 1 0 each |
| No. 102 | £1 1 0 each |
| No. 103 | £1 1 0 each |
| No. 104 | £1 1 0 each |
| No. 105 | £1 1 0 each |
| No. 106 | £1 1 0 each |
| Quarter Round with Bead— | |
| No. 111 | £1 1 0 each |
| No. 112 | £1 1 0 each |
| No. 113 | £1 1 0 each |
| No. 114 | £1 1 0 each |
| No. 115 | £1 1 0 each |
| Reed Tool, 2 Beads— | |
| No. 212 | £1 1 0 each |
| No. 222 | £1 1 0 each |
| No. 232 | £1 1 0 each |
| Reed Tool, 3 Beads— | |
| No. 233 | £1 1 0 each |
| No. 234 | £1 1 0 each |
| No. 235 | £1 1 0 each |
| Reed Tool, 4 Beads— | |
| No. 236 | £1 1 0 each |
| No. 237 | £1 1 0 each |
| No. 238 | £1 1 0 each |
| Reed Tool, 5 Beads— | |
| No. 239 | £1 1 0 each |
| No. 240 | £1 1 0 each |
| No. 241 | £1 1 0 each |
| No. 242 | £1 1 0 each |
| No. 243 | £1 1 0 each |

2, WHITCHEAPEL ROAD, LONDON, E. 1.
BUCK & HICKMAN, LTD.,

"Record" Adjustable Iron Planes

Fig. 602


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Spare Irons

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The above Planes can be supplied with "Stay Set" Cap Irons at same prices. For extra Irons, Prices on application.

They can also be supplied with Corrugated Bases. Prices 02-05 inclusive, 1/ each list price extra. Nos. 051, 06, 1/6 each list price extra. Nos. 07, 09, 2/ each list price extra.

"Record" Block Planes

Fig. 603

PRICES AND DIMENSIONS

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"Record" Rabbet Planes

Fig. 604

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* As Nos. 072-074 but Non-Adjustable Mouth
† As No. 077, but with Detachable Nose

2, WHITECHAPEL ROAD, LONDON, E.1.

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BUCK & HICKMAN, LTD.

"Record" Rabbet Plane
Fig. 605

<table>
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<td>Single each</td>
</tr>
<tr>
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<tr>
<td>010</td>
<td>13</td>
<td>2½</td>
<td>23½</td>
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</table>

No. 078. 8½ in. long, 1¼ in. Cutter. Extra Cutters... PRICE 10/6 each

"Record" Duplex Rabbet and Filletster Plane
Fig. 606

No. 071. 7½ in. long... PRICE 15½ each
No. 071½. 7½ in. long... PRICE 12½...
Extra Cutters 2/6...

"Record" Circular Planes
Fig. 607

<table>
<thead>
<tr>
<th>No.</th>
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<th>Width of Cutter</th>
<th>PRICE</th>
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<td>in.</td>
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<tr>
<td>0113</td>
<td>10</td>
<td>1½</td>
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</tbody>
</table>

Extra Cutters, Single, 2/3 each; Double, 3/3 each.

"Record" Router Planes
Fig. 608

Supplied with Improved Adjustable Fences, and three cutters, 1 in., ½ in. and smoothing. PRICE

No. 071. 7½ in. long... PRICE 15½ each
No. 071½. 7½ in. long... PRICE 12½...
Extra Cutters 2/6...

"Record" Plough Planes
Fig. 609

No. 043, with 3 Tungsten Steel Cutters (¼, ⅛, ⅛ in.) Rustless Plated. PRICE complete 9/6

Additional cutters for grooving panels of ½ thickness.

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</tr>
<tr>
<td>6</td>
<td>1/3</td>
</tr>
<tr>
<td>9</td>
<td>1/9</td>
</tr>
</tbody>
</table>

No. 044 with 8 Tungsten Steel Cutters (¼, ⅛, ⅛, ⅛, ⅛, ⅛, ⅛, ⅛ in.) Rustless Plated. PRICE complete 17/6

Additional cutters for grooving Panels of ½ thickness.

<table>
<thead>
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<th>PRICE</th>
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<tbody>
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<td>6</td>
<td>1/3</td>
</tr>
<tr>
<td>9</td>
<td>1/9</td>
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</table>
“Record” Light Combination Plane

Fig. 610

This Plane will perform most planing operations generally required in cabinet making and joinery, viz. — Plough, Dado, Beading, Centre Beading, Rabbet and Filletter, and Tonguing and Grooving.

Fitted with spurs for cross-grain work, adjustable depth gauge and fence, beading stop, and shaving deflector when tonguing.

No. 050 As illustrated ... ... ... PRICE, complete 37/6

050A As above with the addition of a narrow cutter, clamping bracket and two additional cutters, viz.: ½ & ¾ in.

PRICE, complete 30/

“Record” Multi-Plane

Fig. 611

This Combination Plane is furnished with a set of 23 Cutters and will perform many planing operations.

It has:— Screw adjustment to the Cutter.
Screw adjustment to the Fence.
Screw adjustment to the Depth Gauge.
2 Sets Arms (long and short).
Beading Stop.
Slitting Cutter Stop.
Sliding Section Depth Gauge.
Cam Steady.
Spurs for cross-grain work

PRICE, complete with 23 Cutters £3 0 0

The Howkins Mortiser

Fig. 638

Entirely British

Model Y

This machine will cut a ½ in. or ¾ in. mortise with centre ½ in. from edge of timber and 2 in. deep. The Stroke is 2½ in. Table 24 in. wide. Cutters (3), ½ and ¾ in. working to a depth of 2 in.: ½ in. to ½ in., are included. Overall dimensions 24 x 21 x 3½ in. Weight, 30 lb.

PRICE ... ... £5 0 0

Model Z

This machine will cut up to a ¾ in. or 1 in. mortise with centre ½ in. from edge of timber and 1 in. deep. The Stroke is 1½ in. Table 1½ in. wide, and can be lowered 1 in. by using bolts in holes B. Cutters (4), ¾ and 1 in., working to a depth of ½ in.; ½ in. to ½ in.; and ½ in. to 1 in. deep are included. Overall dimensions 14 x 14 x 21 in. Weight, 8 lb.

PRICE ... ... £2 5 0
ROSE TOOLS, INC.

BUCK & HICKMAN, LTD.,

The Hawkins Plane
Entirely British. Fig. 6451

This Tool has an enormous capacity. The tool-holder is practically a simple slide rest, and the cutters are fed down into the work.

Dado, Rebating, Ploughing, Matching, Moulding, Inlay, Chamfering, Dovetailing, etc.; also Flat Circular, Oval and other swept work from $\frac{1}{4}$ in. radius to a straight line, and in many cases the Plane will take the place of a lathe. Tee and other shaped slots, straight, or circular, can be cut.

Works to Self-Formed Single or Double Stop Ends

Some of the work executed by Model "C" is shown on the left, but this gives only a very small idea of the capacity of the tool. All can be executed by means of the ordinary tools supplied with Plane "C" with exception of the T and L grooves on pieces marked C and advertising with the grains marked XXX for which extra tools are required.

Model "C"

Complete with pair of Cross-cut or Dado Tools, $\frac{3}{4}$ in. wide for working across grain, circular work, etc., to a depth of $\frac{3}{4}$ in. and a pair $\frac{1}{4}$ in. wide for working to a depth of $\frac{1}{4}$ in. Plough, $\frac{3}{4}$ in. wide for working to grain to a depth of $\frac{1}{2}$ in. Plough, $\frac{1}{4}$ in. wide for working with grain to a depth of $\frac{1}{2}$ in. Pair of Female Dovetailing Tools, left hand, and a pair of right hand (minimum width of throat cut $\frac{1}{2}$ in., and maximum depth $\frac{1}{2}$ in.). Male Dovetailing Tool, male Dovetail Spur, Reading Tool, 2 Fence Bars, 2 Fences, 1 Plough Fence, 1 Centre Angle, 1 Dovetail Sole, 1 Spanner.

PRICE ........................................... £5 0 0

Model "B"

Is a simpler form of Model "C" and has Fences on one side only. It has very great capacity and with the addition of a few extra cutters more than covers the work shown above with exception of the dovetail, T and L slot work marked C. Complete with 1 pair of Cross-cut or Dado Tools, $\frac{3}{4}$ in. wide for working across grain, circular work, etc., to a depth of $\frac{3}{4}$ in., 1 Plough $\frac{3}{4}$ in. wide for working with the grain, 1 Fence, 1 Centre Angle, 2 Fence Screws, etc.

PRICE ........................................... £1 15 0 Plough Fence, 2/6 extra.

Model "D"

This has a "C" Body and Fences, with a "B" Toolholder, complete with 1 pair of Dado Tools $\frac{3}{4}$ in., 1 Plough $\frac{3}{4}$ in., etc.

PRICE ........................................... £2 10 0

Model "E"

This has a "B" Body and Fences with a "C" Toolholder, complete with 1 pair of Dado Tools $\frac{3}{4}$ in., 1 Plough $\frac{3}{4}$ in., etc.

PRICE ........................................... £2 7 6


Dado Tools, per pair $\frac{3}{4}$ in., 4/6; $\frac{3}{4}$ in., 4/3; $\frac{3}{4}$ in., 3/8. Special widths to order, 1/2 extra.

Plough Irons, $\frac{3}{4}$ in., 1/2 in., 1 each. Special widths to order 3/6 extra.

Moulding etc. Cutters, $\frac{3}{4}$ in., wide, B/O, Round, Hollow, Chamfer and Skew Bevel which last works any way of the grain, 2/3 each.

Reading Tool, 3 reeds, $\frac{3}{4}$ in. wide, 2/3 each.

Set of 10 Tools in a Wallet—comprising Dado Tools $\frac{3}{4}$ in., Ploughs $\frac{3}{4}$ in., and the 4 Moulding and 1 Skew Bevel Cutter described above, 20/6 per set.

Small Toolholder, takes $\frac{3}{4}$ in. round steel; with Ploughs $\frac{3}{4}$ in., $\frac{3}{4}$ in., and 1 Bead Tool $\frac{3}{4}$ in., complete in box, 8/6. As shanks are round tools can be turned round in the Holder and set at an angle to give a skew cut and will then work any way of the grain. A tool of suitable contour set at an angle will produce a moulding, etc., any way of the grain, a valuable feature with great possibilities.

"C" MODEL only. Dovetailing Tools: Male Nos. 7 and 8; Female Nos. 5, 5 L. Hand; and No. 6 R. Hand, per pair, 4/6.

L. Groove Tool $\frac{3}{4}$ in. wide, 4/6 each.

Special Tools, etc., quoted for on receipt of particulars.

2, WHITECHAPEL ROAD, LONDON, E.1.

644
BUCK & HICKMAN, LTD.

Cast Steel Plane Irons

Fig. Width of Iron, up to

5171  Single, Uncut  12½  12½  12½  12½  12½  12½  12½  12½  12½


5173  Double, Brass Nut  16½  16½  16½  16½  16½  16½  16½  16½  16½

5175  Single Cut, Parallel  28½  28½  28½  28½  28½  28½  28½  28½  28½

5176  Double, Parallel, Brass Nut  19/4  19/4  19/4  19/4  19/4  19/4  19/4  19/4  19/4

5177  Top, Brass Nut and Screw  18½  18½  18½  18½  18½  18½  18½  18½  18½

5178  Toothing  18½  18½  18½  18½  18½  18½  18½  18½  18½

Cast Steel Plane Irons. Prices per dozen.

Fig. Width of Iron, up to

5185  Bright Plough Bits  12½  12½  12½  12½  12½  12½  12½  12½  12½

5188  Bright Screws for Top Irons, 1/7 per doz.; Turned Brass Nuts, 1/3 per doz.

5179  Moulding, Soft  4½  4½  4½  4½  4½  4½  4½  4½  4½

5176  Hard  4½  4½  4½  4½  4½  4½  4½  4½  4½

5178  Bead  12½  12½  12½  12½  12½  12½  12½  12½  12½

5179  Square Rabbit  7½  7½  7½  7½  7½  7½  7½  7½  7½

5180  Skew  7½  7½  7½  7½  7½  7½  7½  7½  7½

5181  Sash Filletater, Left or Right Hand  7½  7½  7½  7½  7½  7½  7½  7½  7½

5182  Filletater Nicker, 9½  9½  9½  9½  9½  9½  9½  9½  9½

5183  Cusheenaker's T Rabbit  15½  15½  15½  15½  15½  15½  15½  15½  15½

5184  Chisel, All-Bright  15½  15½  15½  15½  15½  15½  15½  15½  15½

5185  Bull-Nose  12½  12½  12½  12½  12½  12½  12½  12½  12½

5186  Bright Plough Bits  12½  12½  12½  12½  12½  12½  12½  12½  12½

Fig. Width of Iron

5183  Match or Grooving, in pairs  4½  4½  4½  4½  4½  4½  4½  4½  4½

Growing Bits only to ¾ in., 6½; 1½ in., 7½; 1½ in., 8½ per doz.

5187  Trenching, or Dado Grooving, in pairs  4½  4½  4½  4½  4½  4½  4½  4½  4½

5154  Hollow and Round Irons, Square, in pairs  21½  21½  21½  21½  21½  21½  21½  21½  21½

5144  Skew, in pairs  21½  21½  21½  21½  21½  21½  21½  21½  21½

5187  Coopers' Jointer Irons, 11 in. long, Bladed  3 3½  3½  3½  3½  3½  3½  3½  3½

Fig. Width of Iron

5187  Single, Uncut  48½  48½  48½  48½  48½  48½  48½  48½  48½

(If Cut, 2½ per doz. extra)

5187  Double  87½  87½  87½  87½  87½  87½  87½  87½  87½

5189  Coopers' Chisel Irons, Unknown, 1½ in. 2½ in. 2½ in. 2½ in. 2½ in. 2½ in. 2½ in. 2½ in. 2½ in.

Swift Irons, 7 in. long  3½ in. 3½ in. 3½ in. 3½ in. 3½ in. 3½ in. 3½ in. 3½ in. 3½ in.

5½ in. 5½ in. 5½ in. 5½ in. 5½ in. 5½ in. 5½ in. 5½ in. 5½ in.
# C.S. Chisels and Gouges

## PRICES, per dozen

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*Fig. 5189. C.S. Firmer Chisel, Handled.*

*Fig. 5192. C.S. Registered Chisel, Handled, with 2 Bright Iron Ferrules.*

*Fig. 5201. C.S. Socket Chisel.*

*Fig. 5194. C.S. Long Thin Paring Chisel.*

---

**Fig. 5189.**
ROSE TOOLS, INC.

**Fig. 5192.**
ROSE TOOLS, INC.

---

2, WHITECHAPEL ROAD, LONDON, E.I.
C.S. Chisels, Gouges, &c.

Fig. 5915. Round Nose Turning Chisel
Fig. 5914. Diamond Point Turning Chisel
Fig. 5917. Turning Gouge
Fig. 5587. Octagon Wagon Builders' Chisel
Fig. 5203. Mortice Chisel
Fig. 5196. Turning Chisel
Fig. 5588. Drawer Lock Chisel
Fig. 5306. Sash Pocket Chisel

**PRICES, per dozen.**

| Fig. | Width | in. up to | 3/4 | 1 | 1 1/2 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|------|-------|-----------|-----|----|-------|---|---|---|---|---|---|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 6196 | Turning Chisels, 1 in. to be 10 in. over all | 9/9 | 9/9 | 9/9 | 9/9 | 12/12 | 12/12 | 12/12 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 |
|      | Not Handled | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 |
|      | Handled, Round Bevel | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 |
| 6197 | Long Strong Turning Chisels, 1 in. to be 13 in. over all | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 |
|      | Not Handled | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 |
|      | Handled, Round Bevel | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 |
| 6216 | Long Strong Turning Chisels, 1 in. to be 13 in. over all | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 |
|      | Not Handled | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 |
|      | Handled, Round Bevel | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 |
| 6288 | Wood Turners' Parting Tools | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 |
| 6387 | Solid Steel Octagon, Wagon Builder's Chisels | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 |

2, WHITECHAPEL ROAD, LONDON, E.1.

BUCK & HICKMAN, LTD.

ROSE TOOLS, INC.
# C. S. Black Carving Tools

## Curves and Patterns of Gouges

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## Chip Carving Knives

**PRICE** 
1 1/2 per doz.; 1/2 each.

## Handling:
- Ash or Beech, to 1 in., 43/4; above 1 in., 6 per doz. extra.
- Boxwood 83/4; 103/4.
- Rosewood 103/4; 123/4.

Ground sharp, 1/6 per doz. extra; ground sharp and set ready for use, 2/4 per doz. extra.

## Wood Carvers’ Punches

**PRICE** 79 each.

2, WHITECHAPEL ROAD, LONDON, E.1.
## C.S. London Pattern Screwdrivers

### Flat Beech Handles, Fig. 5323

<table>
<thead>
<tr>
<th>Length of Blade</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>12</th>
<th>14</th>
<th>16</th>
<th>18 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>9¢</td>
<td>10¢</td>
<td>12¢</td>
<td>14¢</td>
<td>17¢</td>
<td>20¢</td>
<td>24¢</td>
<td>28¢</td>
<td>32¢</td>
<td>38¢</td>
<td>56¢</td>
<td>68¢-doz.</td>
</tr>
</tbody>
</table>

### C.S. Cabinet Screwdrivers

#### Worked Oval Handles, Brass Ferrules, Fig. 5324

<table>
<thead>
<tr>
<th>Length of Blade</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>12 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE, Oval Beech Handles</td>
<td>11¢</td>
<td>12¢</td>
<td>15¢</td>
<td>17¢</td>
<td>21¢</td>
<td>24¢</td>
<td>28¢</td>
<td>32¢</td>
<td>38¢-doz.</td>
</tr>
<tr>
<td>PRICE, Boxwood</td>
<td>15¢</td>
<td>16¢</td>
<td>20¢</td>
<td>24¢</td>
<td>28¢</td>
<td>33¢</td>
<td>38¢</td>
<td>42¢</td>
<td>48¢</td>
</tr>
</tbody>
</table>

#### Fancy Turned Oval Handle Cabinet Screwdrivers

<table>
<thead>
<tr>
<th>Steel Ferrules, Fig. 5325</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length of Blade</td>
</tr>
<tr>
<td>Price, Beech Handles</td>
</tr>
<tr>
<td>Price, Boxwood</td>
</tr>
</tbody>
</table>

### Champion Screwdrivers (Made in U.S.A.)

Handle is well-seasoned Apple Wood. Every Blade is tested to split a screw head. Intended for and will stand hard work. Fig. 5327

<table>
<thead>
<tr>
<th>Size</th>
<th>2½</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>12 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td>1/6</td>
<td>1/9</td>
<td>1/10</td>
<td>2/½</td>
<td>2/3</td>
<td>2/7</td>
<td>2/11</td>
<td>3/3</td>
<td>3/8</td>
<td>4/4 each</td>
</tr>
</tbody>
</table>

### Fluted Handle Screwdriver

#### Electricians' Type, ½ in. Blade

<table>
<thead>
<tr>
<th>Size</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>10</th>
<th>12 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td>7/9</td>
<td>11/</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/2 each</td>
<td></td>
</tr>
</tbody>
</table>

#### Engineers' Type

<table>
<thead>
<tr>
<th>Size</th>
<th>3x½</th>
<th>4x½</th>
<th>5x½</th>
<th>6x½</th>
<th>7x½</th>
<th>8x½</th>
<th>10x½</th>
<th>12x½ in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td>7/9</td>
<td>11/</td>
<td>1/1</td>
<td>1/1</td>
<td>1/1</td>
<td>1/4</td>
<td>1/6</td>
<td>1/8</td>
</tr>
</tbody>
</table>

### "Hercules" Screwdriver (Made in U.S.A.)

Blades are of extra fine special steel and are heat treated. They are exceptionally strong and "springy" and when bent under great pressure spring back straight and true. Handles are made of ordinary wood and after blades are inserted, both are securely forged together. Fig. 101

<table>
<thead>
<tr>
<th>Length of Blade</th>
<th>1/3</th>
<th>1/5</th>
<th>1/6</th>
<th>1/9</th>
<th>2/1</th>
<th>2/10</th>
<th>3/6</th>
<th>4/2 each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### "Hercules" Machinists' Screwdriver (Made in U.S.A.)

For Heavy Work. Fig. 102

<table>
<thead>
<tr>
<th>Length overall</th>
<th>9½ in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length of Blade</td>
<td>4½ in.</td>
</tr>
<tr>
<td>Size of Square</td>
<td>3¼ in.</td>
</tr>
<tr>
<td>Width of Point</td>
<td>3 in.</td>
</tr>
<tr>
<td>Price</td>
<td>3/6 each</td>
</tr>
</tbody>
</table>

---

2, WHITECHAPEL ROAD, LONDON, E.1.
BUCK & HICKMAN, LTD.

"Perfect Handle" Pattern Screwdrivers

Fig. 918

Solid cast steel blades run the whole length of handles. The inserts are of hardwood securely rivetted through.

Size overall .................................. 4½ 6 8 10 12 in.
PRICE ......................................... 1/1 1/3 1/7 2/1 2/7 each

Round the Corner Screwdriver

Fig. 1571

5 in. long ..................................... All Steel
PRICE ......................................... 7/8 each

Strong Motor Screwdrivers

Fig. 5343

Price ......................................... 1/2 each

Electricians’ Screwdrivers

Fig. 5342

Octagon Boxwood Handles
Walnut

3 4 5 6 8 in.
PRICE ......................................... 7/10 7/11 1/2 1/4 each

Goodell Pocket Screw-Driver Set (Made in U.S.A.)

Fig. 5893. (G.P. No. 231)

This is a convenient and practical tool. The set consists of a hollow handle, with a chuck, three small screw-driver blades and a reamer. When not in use the chuck and blades are contained inside the handle. Blades are made of tool steel. Handle is polished, nickel plated, and buffed. It is 5½ in. long when closed and weighs 4 oz.

Price ......................................... 3/4 each

Lucas Patent Pocket Screwdriver

Nickel-plated Fig. 63

This screwdriver is of the "Propeller" type, and when not in use blade is concealed in barrel. Blade of toughened steel.

Length, when closed, 4 3/8 in. PRICE 2½ each.

Starrett’s Jewellers’ Screwdrivers (Made in U.S.A.)

Fig. 4150 (No. 555)

<table>
<thead>
<tr>
<th>No.</th>
<th>555A</th>
<th>Handle</th>
<th>in. diam., width of blade</th>
<th>025 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>555A</td>
<td></td>
<td></td>
<td></td>
<td>040</td>
</tr>
<tr>
<td>555B</td>
<td></td>
<td></td>
<td></td>
<td>050</td>
</tr>
<tr>
<td>555C</td>
<td></td>
<td></td>
<td></td>
<td>060</td>
</tr>
<tr>
<td>555D</td>
<td></td>
<td></td>
<td></td>
<td>080</td>
</tr>
<tr>
<td>555E</td>
<td></td>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

Set of 6, 13½. Extra blades, 7/9 each.

Starrett’s Magazine Screwdriver (Made in U.S.A.)

Fig. 4151 (No. 557). Containing 4 blades

Price, complete, 8½. Extra blades, 7/9 each.

Pocket Screwdrivers. Fig. 4149 (No. 553) (Made in U.S.A.)

For the pocket. Slacken chuck and reverse blade end for end.

<table>
<thead>
<tr>
<th>No.</th>
<th>553A</th>
<th>Handle</th>
<th>in. diam., blade</th>
<th>1½ in. long, weight</th>
<th>½ oz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>553B</td>
<td></td>
<td>3</td>
<td>1½ in.</td>
<td>2/3</td>
<td></td>
</tr>
</tbody>
</table>

Extra blades, 7/9 each.

Screwdriver for Eye Glasses (Made in U.S.A.)

Fig. 4152 (No. 556)

Price ......................................... 1½ each

2, WHITECHAPEL ROAD, LONDON, E. 1.
Millers Falls Spiral Ratchet Screwdriver

(Made in U.S.A.)

Fig. 64

(M.F. Nos. 61, 62, and 67)

An improved spiral ratchet screwdriver having spiral action for driving or withdrawing screws, right and left hand ratchet movements; and a device for making it rigid. These actions are plainly marked on the shifter sleeve, which is quickly and easily operated. The spiral locking device is of new design, positive in action, and especially rigid. Stained hardwood handle. Metal parts polished and nickel-plated.

<table>
<thead>
<tr>
<th>No.</th>
<th>Length, extended, with bit inserted closed</th>
<th>Weight, each (without blades)</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>61/9</td>
</tr>
<tr>
<td>61</td>
<td></td>
<td>14</td>
<td>16/2</td>
</tr>
<tr>
<td>62</td>
<td></td>
<td>16</td>
<td>10/2</td>
</tr>
<tr>
<td>67</td>
<td></td>
<td>24</td>
<td>10/2</td>
</tr>
</tbody>
</table>

Three blades of different sizes furnished with each tool.

Millers Falls Spiral Ratchet Screwdriver

(Automatic Return)

Fig. 64A

(M.F. Nos. 610, 620 and 670)

Metal parts polished and nickel plated.

Similar design to Fig. 64 with the addition of a spring in the handle. With the spring the tool works on the principle of an automatic drill in which the handle is pushed and quickly returns for the next stroke.

<table>
<thead>
<tr>
<th>No.</th>
<th>Length, extended, without blades closed</th>
<th>Weight, each</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>610</td>
<td></td>
<td>12 1/2</td>
<td>12/3</td>
</tr>
<tr>
<td>620</td>
<td></td>
<td>16</td>
<td>18/9</td>
</tr>
<tr>
<td>670</td>
<td></td>
<td>27</td>
<td>11/2</td>
</tr>
</tbody>
</table>

Three blades of different sizes are furnished with each tool.

Goodell Spiral Ratchet Screwdriver

(Made in U.S.A.)

Fig. 5336 (No. 111)

Capable of either right or left hand work automatically, or by using the ratchet mechanism, or can be made stationary.

Length extended 19 in.
Angle of Spiral 20°

Price 11/3 each

Three blades are furnished with each tool.

Millers Falls Ratchet Screwdrivers

(Made in U.S.A.)

Fig. 5900. (M.F. No. 63)

Hardwood Handle, exposed parts nickel-plated. Operates right or left hand or solid.

<table>
<thead>
<tr>
<th>Size</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2/3</td>
</tr>
<tr>
<td>3</td>
<td>3/2</td>
</tr>
<tr>
<td>4</td>
<td>3/6</td>
</tr>
<tr>
<td>5</td>
<td>3/9</td>
</tr>
<tr>
<td>6</td>
<td>4/2</td>
</tr>
<tr>
<td>8</td>
<td>4/9</td>
</tr>
</tbody>
</table>

Millers Falls Ratchet Screwdriver

(Made in U.S.A.)

Fig. 5900A. (M.F. No. 59)

Hardwood Handle, exposed metal parts nickel-plated. Operates right or left hand or solid.

Length of blade, 1 1/4 in. Overall length, 6 1/2 in.

<table>
<thead>
<tr>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/2</td>
</tr>
</tbody>
</table>

Millers Falls Ratchet Screwdriver

(Made in U.S.A.)

Fig. 6482. (M.F. No. 55)

Particularly suitable for wireless, electrical and other light work where small screws are used. Operates right or left hand or solid.

Length of Blade 2 3 4 5 6 in.

<table>
<thead>
<tr>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/9</td>
</tr>
</tbody>
</table>

2, WHITECHAPEL ROAD, LONDON, E.1.
"Yankee" Spiral Ratchet Screwdriver (Made in U.S.A.)

Fig. 5341 (Nos. 30A & 31A)

Advantages.—Simplicity, compactness, strength, durability: can be used either as a ratchet, a spiral, or a rigid Screwdriver.

The change from right to left hand for either spiral or ratchet is made by moving slide to either end of the slot. A new feature is the locking device for holding the spiral rod rigid when closed or expanded. The Chuck for holding bits is simple and positive in its grip. The bits are thoroughly tested before leaving the factory.

No. 30A 3 Bits are supplied with each tool. Length when extended, 18½ in. 25½ in. PRICE 12/2 each 10/4

Fig. 5894 (Nos. 130A & 131A)

No. 130A Quick Return. Similar to No. 30A, except that it has a spring in handle causing handle to return automatically when closed, 12½ in. PRICE 13/11 each

131A Heavy Pattern. Similar to No. 31A, but with spring as No. 130A

Fig. 5895 (Nos. 35 & 135)

No. 35. Light Pattern. Similar to No. 30 except that it measures only 7 in. without bit. Length with bit in chuck 9½ in. when closed, 12½ in. when extended PRICE 9/4 each

135. Quick Return. Similar to No. 35 but with spring action

Fig. 5896A (Nos. 25, 26, & 27)

Right hand only


Fig. 5896R (Nos. 125, 126 & 127)

Automatic Return

Similar to Fig. 5896A but has spring in handle which causes automatic return.


"Yankee" Ratchet Screwdrivers (Made in U.S.A.)

Fig. 5340 (No. 10)

This Screwdriver will operate either right or left hand, or can be fixed rigid. The adjustments are obtained by means of a small slide. The friction of ratchet is reduced to a minimum, and the construction is such as to obviate wear and breakage, also permitting a very compact arrangement, which reduces size and weight.

Length of Blade

PRICE 2 3 4 5 6 8 10 12 in. 2/8 3/4 3/8 5/10 4/10 4/11 8/10 6/9 each

"Yankee" Ratchet Screwdriver (Made in U.S.A.)

Fig. 5897 (No. 12)

Right and Left hand and rigid.

This tool is similar to No. 10 except that the shifter moves transversely and that the blade is only 1½ in. long. Designed specially for gunsmiths, fitters, mechanics, etc.

PRICE 3/10 each

"Toga" Ratchet Screwdriver. Fig. 917

British Made. Best Quality and Superior Finish.

Size 2 3 4 5 6 in.

PRICE 2/2 2/3 2/4 3/5 3/6 each

Light pattern in 2 and 3 in. sizes at same prices.

2, WHITECHAPEL ROAD, LONDON, E. I.

632
<table>
<thead>
<tr>
<th>Marking Gauge</th>
<th>Cutting Gauge</th>
<th>Combination Mortice &amp; Marking Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 5358</td>
<td>Fig. 5357</td>
<td>Fig. 922</td>
</tr>
<tr>
<td>Best Beechwood</td>
<td>Best Beechwood</td>
<td>Best Beechwood Brass Slide and Thumb Screw</td>
</tr>
<tr>
<td>PRICE .... 1/4 each</td>
<td>PRICE .... 1/9 each</td>
<td>PRICE .... 2/6 each</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hardwood Cutting Gauge</th>
<th>Mortice Gauge</th>
<th>Mortice Gauge</th>
<th>Registered Mortice Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 5360</td>
<td>Fig. 5361</td>
<td>Fig. 5362</td>
<td>Fig. 5366</td>
</tr>
<tr>
<td>Hooped Stems</td>
<td>With Brass Slide Rosewood</td>
<td>With Brass Slide Plated Head</td>
<td>Brass Stem. Ebony Head. Head faced with Brass</td>
</tr>
<tr>
<td>PRICE .... 4/ each</td>
<td>PRICE .... 4/2 each</td>
<td>PRICE .... 5/6 each</td>
<td>PRICE .... 12/6 each</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mortice Gauge</th>
<th>Mortice Gauge</th>
<th>Registered Mortice Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 5363</td>
<td>Fig. 5364</td>
<td>Fig. 5366</td>
</tr>
<tr>
<td>With Brass Slide Head faced with Brass</td>
<td>Rosewood Plated Head. End Thumb Screw</td>
<td>Brass Stem. Ebony Head. Head faced with Brass</td>
</tr>
<tr>
<td>PRICE .... 6/6 each</td>
<td>PRICE .... 7/9 each</td>
<td>PRICE .... 12/6 each</td>
</tr>
</tbody>
</table>

**Stanley Gauges** (Made in U.S.A.)

**For Rabbeted Jambs**

No. 92. Cutter "A" marks from jamb in rabbet; "B" from edge of door engaged in closing; "C" thickness of butt.

Dotted lines show gauge when set to be used as Mortice Gauge.


PRICE .... 10/ each

**Metal Bar Gauges**

Fig. 5367 (Nos. 97 and 98)

Bars 6\(\frac{1}{4}\) in. long graduated in 16ths in.

No. 97. Metal Head, Pin Point and Roller Cutter ... 4/3 each

No. 98. Metal Head, Pin Point and Roller Cutter ... 6/6 each

**Stanley Marking Gauge** (Made in U.S.A.)

Fig. 5359 (No. 61)


PRICE .... 1/ each

---

2, WHITECHAPEL ROAD, LONDON, E.1.

653
# Wood Spokeshaves

**Plain Fig. 5369**

<table>
<thead>
<tr>
<th>Size</th>
<th>2</th>
<th>2⅛</th>
<th>2½</th>
<th>3</th>
<th>3½</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beechwood</td>
<td>21/2</td>
<td>2½</td>
<td>2¼</td>
<td>2¾</td>
<td>32/2</td>
<td>32½</td>
</tr>
<tr>
<td>Boxwood</td>
<td>30/2</td>
<td>3½</td>
<td>3¾</td>
<td>4½</td>
<td>33/2</td>
<td>33½</td>
</tr>
<tr>
<td>Cast Steel Irons only</td>
<td>9/2</td>
<td>9/4</td>
<td>9/6</td>
<td>9/8</td>
<td>10/10</td>
<td></td>
</tr>
</tbody>
</table>

**Plated Face. Screwed Iron Fig. 5371**

<table>
<thead>
<tr>
<th>Size</th>
<th>2</th>
<th>2½</th>
<th>3</th>
<th>3½</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beechwood</td>
<td>34/2</td>
<td>3½</td>
<td>3¾</td>
<td>40/2</td>
<td>40½</td>
</tr>
<tr>
<td>Boxwood</td>
<td>72/2</td>
<td>7½</td>
<td>7¾</td>
<td>80/2</td>
<td>80½</td>
</tr>
<tr>
<td>Cast Steel Irons, Screwed Tangs</td>
<td>12/9</td>
<td>12/9</td>
<td>12/9</td>
<td>13/6</td>
<td>14/11</td>
</tr>
</tbody>
</table>

**Plated Face Fig. 5370**

<table>
<thead>
<tr>
<th>Size</th>
<th>2</th>
<th>2½</th>
<th>3</th>
<th>3½</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beechwood</td>
<td>27/2</td>
<td>2½</td>
<td>30/2</td>
<td>30½</td>
<td>35/2</td>
</tr>
<tr>
<td>Boxwood</td>
<td>39/2</td>
<td>4½</td>
<td>49/2</td>
<td>57/2</td>
<td>65/2</td>
</tr>
<tr>
<td>Cast Steel Irons only</td>
<td>6/2</td>
<td>6/4</td>
<td>6/6</td>
<td>6/8</td>
<td>10/10</td>
</tr>
</tbody>
</table>

# Bailey’s Iron Spokeshaves

*Made in U.S.A.*

These Spokeshaves have cutters made from a high grade of steel, well tempered and sharpened, ready for use.

**Fig. 5373 (No. 51)**

PRICE 1/6 each. Extra Cutters 8½ per doz.

No. 52. Double Iron, Straight Handle, 10 in. long, 2½ in. Cutter.  
PRICE 2/3 each. Extra Cutters 8½ per doz.

**Fig. 5374 (No. 53)**

No. 53. Adjustable Mouth, Raised Handle, 10 in. long, 2½ in. Cutter.  
PRICE 2/9 each. Extra Cutters 8½ per doz.

No. 54. Adjustable Mouth, Straight Handle, 10 in. long, 2½ in. Cutter.  
PRICE 2/9 each. Extra Cutters 8½ per doz.

**Fig. 5376 (No. 55)**

No. 55. Double Iron, Hollow Face, Raised Handle, 10 in. long, 2½ in. Cutter.  
PRICE 2½ each. Extra Cutters 8½ per doz.

**Fig. 5375 (No. 63)**

No. 63. Double Iron, Light, Convex Bottom, 9 in. long, 1⅛ in.  
Cutter. PRICE 1/3 each. Extra Cutters 6½ per doz.

**Fig. 5376 (No. 64)**

No. 64. Double Iron, Light, Straight Bottom, 9 in. long, 1½ in.  
Cutter. PRICE 1/3 each. Extra Cutters 6½ per doz.

**Fig. 5377 (No. 151)**

No. 151. Adjustable Cutter, Raised Handle, 10 in. long, 2½ in.  
Cutter. PRICE 2/3 each. Extra Cutters 8½ per doz.

No. 152. Adjustable Cutter, Straight Handle, 10 in. long, 2½ in.  
Cutter. PRICE 3½ each. Extra Cutters 8½ per doz.

# Stanley’s Universal Spokeshaves

*Made in U.S.A.*

**Fig. 5381 (No. 67)**

For curved or straight work

Both Handles are detachable, and either of them can be screwed into a socket on top of the stock; thus enabling the operator to work into corners or panels.

9½ in. long, 1½ in. Cutter.  
PRICE 9½ each. Extra Cutters 19½ per doz.

2, WHITECHAPEL ROAD, LONDON, E.1.

654
Iron Spokeshaves

Fig. 6444
9 in. long. Width of Cutter 1½ in.
Flat or Round Face
PRICE 1/6 each. Extra Cutters 5/- per doz.

Fig. 6444A
10 in. long. Width of Cutter 2½ in.
Flat or Round Face
PRICE 1/6 each. Extra Cutters 8/- per doz.

Fig. 6444B
10 in. long. Width of Cutter 2½ in.
Mouth adjustable for fine or coarse work
PRICE 2½ each. Extra Cutters 8½ per doz.

Fig. 6444C
10 in. long. Width of Cutter 2½ in.
Fitted with patent adjustment to cutting iron.
Flat or Round Face
PRICE 2½ each. Extra Cutters 8½ per doz.

Fig. 6445
10 in. long. Width of Cutter 2 in.
Fitted with patent Direct or Lateral Adjustment.
Hollow Raised Handles. Flat or Round Face.
PRICE 5/6 each. Extra Cutters 8½ per doz.

Tungsten Steel Cutters

Fig. 924
10 in. long. Width of Cutter 2½ in.
Adjustable Cutter.
No. 051 Flat Face PRICE 2/3 each
No. 051R Round Face 2/3
Extra Cutters 8½ doz.

Fig. 925
Tungsten Steel Cutters
10 in. long. Width of Cutter 2½ in.
No. 051 Flat Face PRICE 1/6 each
No. 051R Round Face 1/6
Extra Cutters 8½ doz.

Fig. 927
Tungsten Steel Cutters
Adjustable Mouth. Raised Handles.
10 in. long. Width of Cutter 2½ in.
No. 051 PRICE 2½ each
No. 051R Extra Cutters 8½ doz.

Tungsten Steel Cutters

Fig. 928
10 in. long. Width of Cutter 2½ in.
No. 005 PRICE 2½ each
Extra Cutters 8½ doz.

Fig. 929
Tungsten Steel Cutters
9 in. long. Width of Cutter 1½ in.
No. 003 PRICE 1/3 each
Extra Cutters 8½ doz.

Fig. 933
Tungsten Steel Cutters
9 in. long. Width of Cutter 1½ in.
No. 004 PRICE 1/3 each
Extra Cutters 8½ doz.

All Steel Spokeshaves

(Unbreakable)
With Tungsten Steel Cutters

Fig. 934
10 in. long. Width of Cutter 2½ in.
No. A51 Flat Face PRICE 3½ each
No. A51R Round Face 3½
Extra Cutters 8½ per doz.

Fig. 946
10 in. long. Width of Cutter 2½ in.
No. A51 Flat Face PRICE 2½ each
No. A51R Round Face 2½
Extra Cutters 8½ per doz.
BUCK & HICKMAN, LTD.

Patent Lining or Stringing Router
Fig. 5386
Suitable for inlaying "strings" and "hands."
The Adjustable Sliding Rod will be found useful for inlaying curves. Supplied with 9 cutters, from 1/8 to 3/8 in. wide, and one Reversible Face. Cutters have patent adjustment for depth.
PRICE, as illustrated, 7/6 each. Cutters 7/4 each

Patent Adjustable Circular Quirk or Grooving Router
Fig. 5387
Cutters adjusted by means of milled nut, which also acts as stop, and prevents them being forced back when in use.
Complete with one Cutter each, 3/16, 1/2, and 3/4 in., and 3 Fences, one each for straight, inside and outside curves.
PRICE 13/6 each. Cutters 2/6 each

Adjustable Box Scraper
Fig. 5382. (No. 70)
(Japanned, Maple Handle, 13 in. long; 2 in. Blade)
PRICE 4s. each. Extra Cutters 11d. per doz.

"Record" Adjustable Box Scraper
Fig. 335
Ash Handle, 13 in. long; 2 in. Blade.
No. 670: PRICE 4s. each. Extra Cutters 11d. per doz.

"Record" Cabinet Scraper
Fig. 936
The Scraping Iron is made to cut freely by springing it to a slight curve by adjusting the thumb-screw. The Iron has two scraping edges, and is reversible.
11½ in. long. Width of Cutter 2½ in.
PRICE 4s. each. Extra Cutters 15d. per doz.

Stanley Hand Beader
Fig. 5383. (No. 66)
Each beader furnished with a square gauge for straight work and an oval gauge for curved work. Eight steel cutters go with each tool. Both ends are sharpened, thus embracing six single beads, two fluting tools, four reeding tools, two routers and a blank.
Nickel plated, 11½ in. long. PRICE, complete, 8d. each. Extra Cutters 7d. each

Cast Steel Carpenter's Drawing Knife
Fig. 4173

<table>
<thead>
<tr>
<th>Size</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12 in.</th>
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<tr>
<td>PRICE</td>
<td>42/9</td>
<td>45/4</td>
<td>48/6</td>
<td>52/6</td>
<td>57/6 per doz.</td>
</tr>
<tr>
<td>Size</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16 in.</td>
<td></td>
</tr>
<tr>
<td>PRICE</td>
<td>62/3</td>
<td>65/3</td>
<td>73/6</td>
<td>81/6 per doz.</td>
<td></td>
</tr>
</tbody>
</table>

Striking Knife
Fig. 4172
PRICE, as illustrated. 1/2 each. War Office pattern, 1/6 each. Handled, 1/8 each (Technical pattern)

Shouldered Marking Awls
Fig. 5982
PRICE, 3 in., 3½ in., 4 in., 4½ in., 5 in., 6½ in. per doz.

Gent's Drawing Knife
Boxwood Handles
Fig. 4174

<table>
<thead>
<tr>
<th>Size</th>
<th>5</th>
<th>5½</th>
<th>6</th>
<th>6½</th>
<th>7</th>
<th>7½</th>
<th>8 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>36/9</td>
<td>39/9</td>
<td>42/6</td>
<td>45/4</td>
<td>48/3</td>
<td>51/6</td>
<td>54/4 per doz.</td>
</tr>
</tbody>
</table>

Mast Maker's Drawing Knife
Fig. 5898

<table>
<thead>
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<th>Size</th>
<th>12</th>
<th>13</th>
<th>14 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2½ in. wide 79/6</td>
<td>84/6</td>
<td>88/6 per doz.</td>
<td></td>
</tr>
</tbody>
</table>

2, WHITECHAPEL ROAD, LONDON, E. 1.
**BUCK & HICKMAN, LTD.**

**Langdon Mitre Box (Made in U.S.A.)**

Fig. 5574

These boxes are very light in weight, easily portable, and are especially convenient to paperhangers in cutting small picture or other mouldings, and for general use where light mouldings are to be worked.

No. 154. Complete with Saw, 16 x 2½ in. Weight, 8 lb. ... **PRICE 54/- each**

16² ... ... ... ... ... ... ... ... 7 ... ... ... ... ... ... ... ... 47/6

Capacity, 4½ in. at right angles; 3 in. at mitre.

**New Langdon Mitre Box (Made in U.S.A.)**

Fig. 5575

We warrant all Langdon Mitre Boxes to do perfect work when supplied with back saws fitted by makers.

N.B.—Saws are measured extreme length of blade. For convenience of the operator, the corner of blade under handle is clipped off as shown on illustration. Order by the number.

<table>
<thead>
<tr>
<th>Size</th>
<th>Capacity</th>
<th>Saw</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6¼ in. right angle, 4½ in. mitre</td>
<td>18 x 4 in.</td>
<td>£3 1 0</td>
</tr>
<tr>
<td>2</td>
<td>9½ in. right angle, 6½ in. mitre</td>
<td>24 x 4 in.</td>
<td>4 0 0</td>
</tr>
<tr>
<td>2½</td>
<td>9½ in. right angle, 6½ in. mitre</td>
<td>28 x 5 in.</td>
<td>4 15 0</td>
</tr>
</tbody>
</table>

**New Langdon Improved Mitre Box (Made in U.S.A.)**

Fig. 5938

Similar to Fig. 5575, but provided with circular arms so that it may cut not only any angle from 45° to 90°, but also at any angle from 15° to 90°, on 2½ in. stock, as shown by diagram.

<table>
<thead>
<tr>
<th>Size</th>
<th>Capacity</th>
<th>Saw</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6½ in. right angle, 4½ in. mitre</td>
<td>24 x 4 in.</td>
<td>£4 0 0</td>
</tr>
<tr>
<td>2</td>
<td>9½ in. right angle, 6½ in. mitre</td>
<td>28 x 4 in.</td>
<td>4 7 6</td>
</tr>
<tr>
<td>2½</td>
<td>9½ in. right angle, 6½ in. mitre</td>
<td>28 x 5 in.</td>
<td>4 11 6</td>
</tr>
</tbody>
</table>

**Millers Falls Mitre Box (Made in U.S.A.)**

Fig. 5589 (No. 110)

This box is made entirely of steel, is simple in design, has but few parts and adjustments are quickly made.

Can be used with either back or panel saw.

Adjustable saw guide with device for squaring with base and back.

Notches for all positive angles. Clamping device for intermediate angles.

**PRICE 29/- each**

No saw furnished with this box.

---

2, WHITECHAPEL ROAD, LONDON, E.1.

657
Improved Adjustable Mitre Box
Fig. 5578

Beechwood, with Iron Saw Guides. Adjustable to any gauge of Saw. Specially suitable for amateurs' picture framing, and mitring generally.
Size A. For Mouldings, up to 3 in. wide. PRICE 3½ each
B. 4 4/2
Supplied for Mouldings up to 3 in. wide, without Iron Saw Guides. PRICE 2 ½ each.

Beech Shuting Board
Fig. 5581

With Solid Mitre Piece and Saw Cuts at back, 18 in. x 8 in.
PRICE 7 each

Wood Trimmers
All standard makes supplied. Prices on application.

Beech Mitre Box
Fig. 5939
Size 5 x 3 in.
PRICE 1 ½ each

Beech Mitre Block
Fig. 5579
Style A. Solid, 9 in.
PRICE 1 each

Beech Mitre Template
Fig. 5580
PRICE 9/8 each

Beech Bench Hook

Fig. 6466
Dowel and Ends
2 1/2 each
Screwed Ends
2 ½ each
Size
10 x 6 x 1 ½ in.

Patent Mitre-Cutting Machine
For Joiners, Picture Frame Makers
and Amateurs
Fig. 1741

A perfectly true and accurate tool which will produce an exact angle or mitre of 45 degrees. The working parts are machined, cutter arm carrying knives is jointed and held down in a quadrant, and while the arm works freely, it is impossible for the knives when operating to leave the face of the Machine on which they have their bearing. The knives are ground up perfectly true after hardening and made in two halves, each half being held in position by two screws. An attachment is arranged at back of Machine which contains a self-adjusting screw, fitted with india-rubber pad, by which the moulding is firmly held for cutting.

Size A. To take in Mouldings up to 2 ½ in. wide. PRICE 3½ each. Extra Cutters 10 ½ per pair
B. 5 1/2 14
When ordering Single Cutters, please state Right or Left Hand. All parts are interchangeable.
These Mitre Cutters are carefully tested before being sent out, and guaranteed to cut a true angle of 45 degrees.

Millers Falls Jointer Gauge
(Made in U.S.A.)
Fig. 5584
(Millers Falls No. 86)

Instantly adjustable to iron planes of all sizes by adjustable cams and to wood planes with ordinary wood screws. The gauge may be adjusted for planing on the square or on a bevel. Made of iron, black enameled, except flat surface which is polished and nickel-plated.
Length 9 in. Weight 2 ½ lb. PRICE 9½ each.

2, WHITCHEAPEL ROAD, LONDON, E. 1.
ROSE TOOLS, INC.

BUCK & HICKMAN, LTD.,

The "Maco" Adjustable Template

This tool is designed for securing the profile or shape of anything in a few seconds. It is composed of hundreds of very fine pieces of hard drawn brass, the thickness of each being .007 in. These are held in position by two specially constructed clamps, secured by two thumb-screws and springs, by the tension of which the laminations take the shape of anything they are pressed against.

Nos. 4 and 5 are fitted with Guide Bar, which slides in unison and maintains the laminations in correct position whenever a profile is being taken.

A Recorder Frame can be supplied for Nos. 2 to 5 inclusive, which enables a profile to be recorded on a card index.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>9</th>
<th>9</th>
<th>12 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PRICE</td>
<td>10/6</td>
<td>21/</td>
<td>30/</td>
<td>36/</td>
<td>36/</td>
<td>80/</td>
<td>150/</td>
<td>150/</td>
<td>each</td>
</tr>
<tr>
<td></td>
<td>with spirit level</td>
<td>6/9</td>
<td>7/6</td>
<td>12/</td>
<td>15/</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Screw Boxes and Taps

Fig. 5814. For Making Wooden Screws

Diam. 1/16 1/8 1/8 1/4 1/8 1/8 1/8 1/8 1/8 1/8 in.

PRICE 10/6 10/6 10/6 10/6 10/6 10/6 10/6 10/6 10/6 10/6 each

Screw Plates and Taps for Wooden Screws

Fig. 6480

With Metal Bodies

Diameter 1/16 1/8 1/8 1/4 1/8 1/8 1/8 1/8 1/8 1/8 in.

PRICE, complete with tap 13/6 13/6 13/6 16/6 19/6 24/6 44/6 66/6 85/6 99/6 each

The "A 1" Fretsaw

Fig. 5949

Designed to secure great rigidity.

Table is fitted with patent tilting arrangement.

Wooden arms provide swing of 19 in. between saw and the beek frame and are kept from warping by adjustable steel trusses.

Arm is automatically raised and brought to rest when saw breaks by counter balance spring fitted to back end of top wooden arm.

Saw blades secured by patent lever clamps.

Balance wheel spindle arranged to hold a drill.

Machine supplied with 12 saws, one drill bit, screwdriver and spanner.

PRICE £2 15 0 each

The "Imperial" Fretsaw

With Drilling Attachment

Fig. 6469

A most complete and popular treadle machine.

The arms, which are kept rigid by means of adjustable trusses, have a swing of 19 in. between the saw and the frame. They work on knife edges, and are fitted with connecting links, which prevent them from flying off.

Diameter of Tilting Table is 10 1/2 in.

The machine is also fitted with a very useful metal tray and drilling attachment.

The spring-open clamps securely grip even the finest saw.

PRICE £4 10 0 each

2, WHITECHAPEL ROAD, LONDON, E.1.

859
BUCK & HICKMAN, LTD.,

Brown & Sharpe’s Nail Sets (Made in U.S.A.)
Fig. 5742

These Nail Sets are of tool steel carefully hardened. They are of convenient sizes, about 4 in. in length and are knurled to give a good finger grip. The points are concave and the edges rounded.

<table>
<thead>
<tr>
<th>No.</th>
<th>Diameter at Point in.</th>
<th>Price each</th>
</tr>
</thead>
<tbody>
<tr>
<td>762</td>
<td>1/8</td>
<td>1/6</td>
</tr>
<tr>
<td></td>
<td>1/4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1/2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3/4</td>
<td></td>
</tr>
</tbody>
</table>

Price 11/6 per doz.

Starrett’s Nail Sets (Made in U.S.A.)
Fig. 5743. (No. 116)

Length 4 in.

- PRICE 7/6 each

In plain box, PRICE 7/6 per doz.

If fitted in round wooden box, holding one doz., assorted, PRICE 9/6 per doz.

Nail Holder and Set Combined
Fig. 5744. (No. 119)

Price 1/6 each

Best London Made Cast Steel Brad Punches
Fig. 5745. Carpenters’ Flooring Punches, 7/8 each.
Fig. 5746. Carpenters’ Brad Punches, round or square ends, 7/8 each.

Millers Falls Nail Sets (Made in U.S.A.)
Fig. 5983. (Nos. 451/5 & 4501)

Square head prevents punch rolling on inclined surface. 4 in. long x 3/8 in. body.

No. 451: 1/2 in. ; No. 452: 1/4 in. ; No. 453: 1/8 in. ; No. 454: 1/16 in. ; No. 455: 1/16 in. ; No. 4501: 1 doz., assorted.

Price 6/3 per doz.

Millers Falls “O.K.” Nail Sets (Made in U.S.A.)
Fig. 5984. (No. 310). Blued Finish

Body diam. 1/8 in.
Points diam. 1/8 in.

Price, 4 in. long 41/8 per gross

Millers Falls Tool Holders (Made in U.S.A.)
Fig. 5319

These tools are made from high grade steel and carefully tempered and finished and honed to a fine cutting edge. The tools are contained in the handle, which has a screw cap. The jaws hold tools shown in the illustration, also a variety of other kinds of shanks.

Fig. 5319. No. 1
Length of Handle 6 in.
Number of Tools 20
Length of Tool 11/2 in.
Price 7/6 each

Fig. 5319. No. 4
Length of Handle 61/2 in.
Number of Tools 10
Length of Tool 21/2 in.
Price 10/6 each

Fig. 5319. No. 5
Length of Handle 71/2 in.
Number of Tools 10
Length of Tool 4 in.
Price 14/2 each

2, WHITECHAPEL ROAD, LONDON, E.1.

660
Carpenters’ Tool Cabinets
Fig. 923

set No. 1
Polished Oak Case
21 in. x 14 in. x 5½ in.
Fitted with 2 Drawers and lock and key, containing:

- 16 in. Diamond plate square
- 1¼ in. Handled firmer chisel
- 1½ in. Carpenter’s mallet
- 1¼ in. Handled firmer gouge
- 1 No. 1 Adze eye hammer
- 1½ in. Tenon saw
- 1 No. 14 Warrington hammer
- 1 16 in. Handsaw
- 1½ in. Fanny beech screwdriver
- 1½ in. London pattern screwdriver
- 1½ in. Hand bastard file
- 1½ in. Cabinet rasp
- 1½ in. Half-round bastard file
- 3 File handles
- 1 Nail claw
- 1 Pair 8 in. pliers combination
- 2 Gouges
- 3 Bradawl
- 1 Pair 6 in. pinners, tower
- 1 Flat hive pot and brush
- 1 No. 6½ round plane
- 1 Pair 6 in. wing compasses
- 1 2 ft. 4-fold beechwood rule
- 1 6 x 6 in. Cold chisel
- 1 Oilcan
- 1 Carpenter’s pencil
- Assorted nails and screws
- Dextex glass paper

These sets may be modified in many ways to customers’ requirements

PRICE £3 17 6 complete

Carpenters’ Tool Chests
Fig. 6117

Ash, dovetailed corners, side handles, hasps and staples.
Polished.
Furnished with small tray for nails, etc.

No. | Size in. | PRICE each | No. | Size in. | PRICE each
--- | -------- | ---------- | --- | -------- | ----------
1   | 16 x 8 ½ x 6 ½ | 26 x 12 x 9 | 4   | 16 x 8 ½ x 6 ½ | 26 x 12 x 9
2   | 16 x 8 ½ x 6 ½ | 26 x 12 x 9 | 5   | 20 x 9 x 6 ½ | 30 x 14 x 12
3   | 20 x 9 x 6 ½ | 30 x 14 x 12 | 6   | 20 x 9 x 6 ½ | 30 x 14 x 12

* Nos. 5 and 6 supplied with Drawer. No. 10. Extra Heavy Pattern. PRICE £6 3/ each.

2, WHITECHAPEL ROAD, LONDON, E. 1.
ROSE TOOLS, INC.

BUCK & HICKMAN, LTD.,

**Exeter or Rivetting Hammers**
With Best Polished Oval Ash Handles

<table>
<thead>
<tr>
<th>Size 00</th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
<th>09</th>
<th>10</th>
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<tr>
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<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>11</td>
<td>12</td>
<td>14</td>
<td>16</td>
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</tbody>
</table>

**Fig. 5455**

**Warrington Hammers**
With Best Polished Oval Ash Handles

<table>
<thead>
<tr>
<th>Size 00</th>
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<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
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<td>12</td>
<td>14</td>
<td>16</td>
<td>18</td>
<td>20</td>
<td>22</td>
<td>25</td>
</tr>
</tbody>
</table>

**Fig. 5456**

**Ball Pane Pin Hammer**

**Cross Pane Pin Hammer**

| Price | 1/6 each |

These Hammers can now be furnished in Bronsteel Non-Sparking non-ferrous metal for use in danger zones.

**Adze Eye Carpenters’ Claw Hammers** *(Made in Canada)*

<table>
<thead>
<tr>
<th>No.</th>
<th>32C</th>
<th>32B</th>
<th>32</th>
<th>32A</th>
<th>32D</th>
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<tr>
<td>Weight</td>
<td>7</td>
<td>13</td>
<td>16</td>
<td>20</td>
<td>24</td>
</tr>
</tbody>
</table>

**Fig. 5551**

**“Garden City”**

<table>
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<th>No.</th>
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<th>32</th>
<th>32A</th>
<th>32D</th>
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</thead>
<tbody>
<tr>
<td>Weight</td>
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<td>47/8</td>
<td>49/6</td>
<td>51/8</td>
<td>54/8</td>
</tr>
</tbody>
</table>

**Plumb Nail Hammers** *(Made in U.S.A.)*

Made in three finishes, viz.:—HF 70 and HF 80 series having black heads, red handles and screw wedges. No. 70 series highly polished heads, white hickory waxed handles. No. 129 series “Quaker City” polished heads, hickory handles.

**Fig. 6401**

**Sizes and Prices**

<table>
<thead>
<tr>
<th>No.</th>
<th>Approx. Weight oz.</th>
<th>Price per doz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF70</td>
<td>28</td>
<td>83/-</td>
</tr>
<tr>
<td>71</td>
<td>20</td>
<td>60/-</td>
</tr>
<tr>
<td>72</td>
<td>16</td>
<td>55/-</td>
</tr>
<tr>
<td>73</td>
<td>13</td>
<td>53/-</td>
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<table>
<thead>
<tr>
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<th>Approx. Weight oz.</th>
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<tbody>
<tr>
<td>HF80</td>
<td>20</td>
<td>60/-</td>
</tr>
<tr>
<td>81</td>
<td>16</td>
<td>56/-</td>
</tr>
<tr>
<td>82</td>
<td>13</td>
<td>53/-</td>
</tr>
<tr>
<td>83</td>
<td>10</td>
<td>51/-</td>
</tr>
</tbody>
</table>

**Best Canterbury Hammers**
With Best Oval Ash Handles

**Fig. 5457**

<table>
<thead>
<tr>
<th>Size</th>
<th>0</th>
<th>1</th>
<th>2</th>
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<th>8</th>
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</thead>
<tbody>
<tr>
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<td>10</td>
<td>12</td>
<td>14</td>
<td>16</td>
<td>20</td>
<td>24</td>
<td>28</td>
<td>32 oz.</td>
<td></td>
</tr>
</tbody>
</table>


**Glazier’s Hammer**

**Fig. 5479**

**Price | 3/6 each**

2, WHITECHAPEL ROAD, LONDON, E.1.

664
ROSE TOOLS, INC.

Tea Chest Hammers
Fig. 5478
A—Plain Face, Handle... PRICE 4/10
B—Chequered Face, Handle... 5/-

Orange Chest Hammer
Fig. 5464
PRICE... 6/- each

Best Coal Hammer
5467A

<table>
<thead>
<tr>
<th>No.</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>1</td>
<td>1½</td>
<td>2</td>
<td>2¼</td>
<td>3 lb.</td>
</tr>
<tr>
<td>PRICE</td>
<td>2½</td>
<td>2/8</td>
<td>3/4</td>
<td>3/6</td>
<td>4½ each</td>
</tr>
</tbody>
</table>

Steamer’s Coal Hammer, Iron Handle
Fig. 5467B
Extra heavy, 7½ per lb. Average weight, 6 lb. each.

Grocers’ Hammers
With Claw or Chisel End.
Fig. 5460
PRICE... 5/9 each.

Boxmaker’s Hammer
Fig. 5553
Weight... 12 14 16 18 20 oz.
PRICE, Handle... 5/6 5/6 5/6 6/6 6/6 each

Goodell-Pratt Brass Hammers. (Made in U.S.A.)
Fig. 5550
Convenient and practical in any place where a soft hammer is desired.
No. 91 has steel handle with knurled grip. Others have polished hardwood handles.

<table>
<thead>
<tr>
<th>Head</th>
<th>Net Weight</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 91</td>
<td>1 x 1 1/8 in.</td>
<td>2 oz.</td>
</tr>
<tr>
<td>92</td>
<td>1 x 1 1/8</td>
<td>8 1/2</td>
</tr>
<tr>
<td>93</td>
<td>1 x 1 1/8</td>
<td>8</td>
</tr>
<tr>
<td>94</td>
<td>1 x 1 1/8</td>
<td>10</td>
</tr>
</tbody>
</table>

Pin Maul Fig. 5472
PRICE... 7/10 per lb.

Double Pin Maul
Fig. 5473
PRICE... 1½ per lb.

Spalling Hammer
Fig. 5557
PRICE... 7/10 per lb.

Mill Bills
Fig. 5555
PRICE... 7/10 per lb.

Mason’s Punch Hammer
Fig. 5471
PRICE... 7/10 per lb.

Mason’s Club Hammer
Fig. 5556
PRICE... 7/10 per lb.

Stonebreaking Hammer
Fig. 5558
PRICE... 7/10 per lb.
A. With Eyes | PRICE | 1/8 per lb.
B. Without Eyes |
BUCK & HICKMAN, LTD.,

Wood Handled Ship Scrapers

Fig. 5511

PRICE ... 1/6 each

Solid Ship Scrapers with Socket

Fig. 5512

PRICE ... 2/6 each

Ship Scrapers Fig. 5954
Flat Steel 1\(\frac{1}{2}\) \(\times\) \(\frac{3}{8}\) in.; 10 in. long
bent at end. PRICE ... 2\(\frac{1}{2}\) each

Fig. 5954A
Chisel Pattern. Straight 12 in. handles
Size 14 in., 1/4 each; 16 in., 1/8 each.

Caulking Mallets

Fig. 5559
Lignum Vitæ, with Ash Shafts

PRICE ... 12\(\frac{1}{2}\) each.

Sailmakers' Palms

Fig. 5953
A quality, 1\(\frac{1}{4}\); B quality, 1/3; C quality, 1/6 each.

Bright Marline Spikes Fig. 5519

Size ... 8 10 12 14 16 in.
PRICE ... 1/5 1/7 2/6 2/6 2/6 each

Sailmakers' Serving Mallets

Boxwood Fig. 5951

PRICE ... 4\(\frac{1}{2}\) each

Sailmakers' Serving Boards

Fig. 5952

PRICE ... 4/6 each

Best Cast Steel Shipwrights' Caulking Tools

Fig. 5844 Fig. 5845 Fig. 5846 Fig. 5847 Fig. 5848 Fig. 5849 Fig. 5850

Straight Caulking Iron, 2/6 each

Bent Caulking Iron, 2/6 each

Single Crease Iron, \(\frac{1}{4}\) in., 2/10:
\(\frac{1}{4}\) in., 3/4;
\(\frac{1}{4}\) in., 3/4 each.

Double Crease Iron, 3/2 each

Sharp Iron, 2/6 each

Tremail Iron, 2/4 each

Spike Iron, 2/4 each

In sets of eight, 23/.

Other Patterns in Stock. Prices on application.

2, WHITechaapel ROAD, LONDON, E. 1.

666
ROSE TOOLS, INC.

BUCK & HICKMAN, LTD.,

**Hide Faced Hammers** Fig. 3658

For machinists, workers in brass or silver, jewellery manufacturers, or anyone who needs to strike a hard blow without bruising the material. When worn out, the faces can be renewed at slight cost. The new faces need no fastening except a tight fitting in the shell.

<table>
<thead>
<tr>
<th>No.</th>
<th>Diam. in.</th>
<th>Length oz.</th>
<th>Weight per doz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2</td>
<td>2</td>
<td>33/4</td>
</tr>
<tr>
<td>1</td>
<td>2½</td>
<td>4</td>
<td>40/6</td>
</tr>
<tr>
<td>2</td>
<td>3½</td>
<td>6</td>
<td>53/8</td>
</tr>
<tr>
<td>3</td>
<td>4½</td>
<td>8</td>
<td>67/6</td>
</tr>
<tr>
<td>5</td>
<td>4½</td>
<td>10</td>
<td>148/6</td>
</tr>
<tr>
<td>6</td>
<td>5½</td>
<td>18/4</td>
<td>168/8</td>
</tr>
</tbody>
</table>

**Raw Hide Mallets** Fig. 3659

These are light mallets, made entirely of hide (except the handle), and suited to a variety of uses.

<table>
<thead>
<tr>
<th>No.</th>
<th>Diam. in.</th>
<th>Length oz.</th>
<th>Weight per doz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1½</td>
<td>2½</td>
<td>33/4</td>
</tr>
<tr>
<td>1</td>
<td>2½</td>
<td>4</td>
<td>40/6</td>
</tr>
<tr>
<td>2</td>
<td>3½</td>
<td>6</td>
<td>53/8</td>
</tr>
<tr>
<td>3</td>
<td>4½</td>
<td>8</td>
<td>67/6</td>
</tr>
<tr>
<td>5</td>
<td>4½</td>
<td>12</td>
<td>148/6</td>
</tr>
<tr>
<td>6</td>
<td>5½</td>
<td>18/4</td>
<td>168/8</td>
</tr>
</tbody>
</table>

**Patent Raw Hide Mallets** Fig. 3660. Loaded

Same size as ordinary Raw Hide Mallets No. 1 to 5 inclusive, but, having a central strip of soft metal rolled up with the hide, the weight is double without increasing the size.

<table>
<thead>
<tr>
<th>No.</th>
<th>Diam. in.</th>
<th>Length oz.</th>
<th>Weight per doz.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>1½</td>
<td>3½</td>
<td>8</td>
</tr>
<tr>
<td>8</td>
<td>2½</td>
<td>3½</td>
<td>11</td>
</tr>
<tr>
<td>9</td>
<td>2½</td>
<td>3½</td>
<td>14</td>
</tr>
<tr>
<td>10</td>
<td>2½</td>
<td>3½</td>
<td>18</td>
</tr>
<tr>
<td>11</td>
<td>2½</td>
<td>3½</td>
<td>38</td>
</tr>
</tbody>
</table>

**Miller Composition Mallets** Fig. 5981

These mallets will not crack, chip or dry out. Their laminated construction, built in one piece by a special process, ensures remarkable durability.

<table>
<thead>
<tr>
<th>No.</th>
<th>Size in.</th>
<th>Weight Without Handle oz.</th>
<th>Overall Length in.</th>
<th>PRICE each</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>2 x 3½</td>
<td>8</td>
<td>11</td>
<td>5 1/2</td>
</tr>
<tr>
<td>16</td>
<td>2½ x 4½</td>
<td>16</td>
<td>12</td>
<td>7 1/2</td>
</tr>
<tr>
<td>24</td>
<td>2½ x 5½</td>
<td>24</td>
<td>14</td>
<td>10 1/2</td>
</tr>
</tbody>
</table>

**British Hide-Faced Hammers** Fig. 3658B

<table>
<thead>
<tr>
<th>No.</th>
<th>Approx. Weight lb.</th>
<th>Diam. of Face in.</th>
<th>PRICE each</th>
<th>Extra Faces per pair</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2/6</td>
<td>1</td>
<td>1 1/2</td>
<td>1/2</td>
</tr>
<tr>
<td>1</td>
<td>3/8</td>
<td>1 1/4</td>
<td>3 1/2</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3/8</td>
<td>2 1/8</td>
<td>3 1/2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>5/8</td>
<td>2 5/8</td>
<td>3 1/2</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>7/8</td>
<td>2 1/8</td>
<td>3 1/2</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>10/8</td>
<td>2 1/8</td>
<td>3 1/2</td>
<td></td>
</tr>
</tbody>
</table>

**British Raw Hide Mallets** Fig. 3659B

<table>
<thead>
<tr>
<th>No.</th>
<th>Approx. Weight oz.</th>
<th>Diam. in.</th>
<th>PRICE each</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2</td>
<td>1</td>
<td>1/10</td>
</tr>
<tr>
<td>1</td>
<td>3</td>
<td>1 1/4</td>
<td>2/2</td>
</tr>
<tr>
<td>2</td>
<td>5</td>
<td>1 3/4</td>
<td>3/2</td>
</tr>
<tr>
<td>3</td>
<td>7</td>
<td>2 1/2</td>
<td>4 1/2</td>
</tr>
<tr>
<td>4</td>
<td>10</td>
<td>2 1/2</td>
<td>5 1/2</td>
</tr>
<tr>
<td>5</td>
<td>16</td>
<td>2 1/2</td>
<td>7</td>
</tr>
<tr>
<td>6</td>
<td>20</td>
<td>2 1/2</td>
<td>8 1/2</td>
</tr>
<tr>
<td>7</td>
<td>30</td>
<td>3</td>
<td>11</td>
</tr>
</tbody>
</table>

**Carpenters’ Mallets** Fig. 578c

Beech and Lignum Vitar

<table>
<thead>
<tr>
<th>Size</th>
<th>3</th>
<th>4</th>
<th>4½</th>
<th>5</th>
<th>5½</th>
<th>6</th>
<th>2 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE Beech</td>
<td>1/6</td>
<td>1/6</td>
<td>1/10</td>
<td>2/5</td>
<td>2/7 each.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lignum Vitar</td>
<td>3/6</td>
<td>4/9</td>
<td>5 1/2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Masons’ Mallets** Fig. 578c

<table>
<thead>
<tr>
<th>Size</th>
<th>6</th>
<th>7</th>
<th>8 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>3/9</td>
<td>5/3</td>
<td>7/2 each</td>
</tr>
</tbody>
</table>
BUCK & HICKMAN, LTD.

Best Lancashire Pincers
Fig. 5732

<table>
<thead>
<tr>
<th>Size</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>12 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price, Cutting Joiners</td>
<td>2/</td>
<td>2/</td>
<td>3/</td>
<td>3/</td>
<td>9/</td>
<td>12/6</td>
</tr>
</tbody>
</table>

Tower Pincers
Fig. 5733

<table>
<thead>
<tr>
<th>Size</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td>2/</td>
<td>2/</td>
<td>3/</td>
<td>3/</td>
<td>9/</td>
</tr>
</tbody>
</table>

“Victor” Nail Puller
Fig. 5482

- Jaws made of best steel.
- Warranted.

<table>
<thead>
<tr>
<th>Price</th>
<th>each</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Small size, 16 in.</td>
<td>9/</td>
</tr>
<tr>
<td>B. Regular size, 19/ in.</td>
<td>10/</td>
</tr>
<tr>
<td>C. Extra large, 28 in.</td>
<td>18/</td>
</tr>
</tbody>
</table>

- Can also be furnished with claw hammer head rammer.

“Bahco” Nail Puller
(Foreign)
Fig. 6465

- Well and strongly made and will stand hard use.
- Made of specially selected Swedish steel.

<table>
<thead>
<tr>
<th>Length</th>
<th>17 1/2 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td>7/9 ea.</td>
</tr>
</tbody>
</table>

“Bahco” Case Opener
(Foreign)
Fig. 289

- An exceedingly useful tool.
- Can be used as a hammer, nail puller, case-opener or hatchet.

<table>
<thead>
<tr>
<th>No.</th>
<th>40</th>
<th>41</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length of Blade</td>
<td>11/2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Overall length</td>
<td>9 1/2</td>
<td>12 2/3</td>
<td>12 2/3</td>
</tr>
<tr>
<td>Approx. weight</td>
<td>14 4/8</td>
<td>4 1/8</td>
<td>4 1/8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Price</th>
<th>2/6</th>
<th>3/6</th>
<th>11/9 ea.</th>
</tr>
</thead>
</table>

Best Warranted Case Opener
Fig. 5462

- Length | 12 | 14 | 16 | 18 inch |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td>5/</td>
<td>5/3</td>
<td>6/</td>
<td>6/9 ea.</td>
</tr>
</tbody>
</table>

The “Jaaco” Case Opener
Fig. 5957

- Does not destroy the cases.
- Made in one piece.
- Strong and simple in operation.

<table>
<thead>
<tr>
<th>Price, large</th>
<th>6/</th>
<th>small</th>
<th>3/9 each</th>
</tr>
</thead>
</table>

“Agripta” Case Binder
Fig. 6429

- Combines both tensioning and sealing apparatus.
- Entirely British.

- Light to handle. Simple in action and speedy in use.
- Only one inch of overlap hooping is necessary.
- Hooping round case is tightened with the tensioning lever; then join hooping with a seal by pressing sealing levers downwards.
- Any good quality commercial hoop iron can be used.
- Machine is made for 1/4, 3/4 or 1 in. hooping.

<table>
<thead>
<tr>
<th>Price, complete Tensioning and Sealing Machine</th>
<th>£</th>
<th>9</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price, 1/4 in.</td>
<td>£10</td>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>Price, 3/4 in.</td>
<td>£12</td>
<td>12</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Price, Seals for 1/4 in.</th>
<th>17/6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price, 3/4 in.</td>
<td>25/</td>
</tr>
<tr>
<td>Price, 1 in.</td>
<td>27/6</td>
</tr>
<tr>
<td>Price, 1 1/2 in.</td>
<td>30/</td>
</tr>
</tbody>
</table>

Large stock of suitable hooping.

Hoop Punching Machine
Fig. 5331

- Fitted with improved slide, and does not easily get out of order.
- No. 1. Machine, as illustrated, with wood stand, ball and extra punches.
- No. IA. Fitted with shears as well as punch, for cutting hoops to length.
- No. 2. Made on heavier lines, and designed to punch heavier hoops. Will punch round or oval holes through hoops up to 1 1/2 in. x 16 w.g., and is a useful machine where the amount of punching to be done is not large. With wood stand and one round punch and die.
- No. 3. For punching two oval or round holes at end of hoops in one operation. With wood stand, and fitted with two punches and one double die.

Prices on application.

2, WHITECHAPEL ROAD, LONDON, E.1.
### Plumb Felling Axes

**Fig. 5496P**

<table>
<thead>
<tr>
<th>Weight</th>
<th>3</th>
<th>3½</th>
<th>4</th>
<th>4½</th>
<th>5</th>
<th>5½</th>
<th>6</th>
<th>6½</th>
<th>7 lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>95/3</td>
<td>100½</td>
<td>104/9</td>
<td>109/3</td>
<td>114½</td>
<td>118/5</td>
<td>123½</td>
<td>128/3</td>
<td>141/6 doz.</td>
</tr>
</tbody>
</table>

**COLLINS' YANKEE FELLING AXES**

**Fig. 5498**

<table>
<thead>
<tr>
<th>Weight</th>
<th>3</th>
<th>3½</th>
<th>4</th>
<th>4½</th>
<th>5</th>
<th>5½</th>
<th>6</th>
<th>6½</th>
<th>7 lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>86½</td>
<td>90/3</td>
<td>95½</td>
<td>99/6</td>
<td>104½</td>
<td>108/9</td>
<td>113½</td>
<td>122/6</td>
<td>131/9</td>
</tr>
</tbody>
</table>

### British Made Felling Axes

**Fig. 5496B**

<table>
<thead>
<tr>
<th>Weight</th>
<th>3½</th>
<th>4</th>
<th>4½</th>
<th>5</th>
<th>5½</th>
<th>6 lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>8½</td>
<td>7½</td>
<td>7½</td>
<td>7½</td>
<td>7½</td>
<td>8½ each</td>
</tr>
</tbody>
</table>

Felling Axes, with Round Eyes, suitable for South America, can also be supplied.

### Plumb Hunters' Axes

**Fig. 5493P**

Two Finishes.
- "HF" Black Heads, Red Handles.
- "QC" Polished Heads, White Handles.

<table>
<thead>
<tr>
<th>No.</th>
<th>672</th>
<th>674</th>
<th>675</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>1½</td>
<td>1½</td>
<td>2 lb.</td>
</tr>
<tr>
<td>Width Cutting Edges</td>
<td>3½</td>
<td>3½</td>
<td>3½ in.</td>
</tr>
<tr>
<td>PRICE &quot;HF&quot;</td>
<td>61/6</td>
<td>66/3</td>
<td>68½/6 doz.</td>
</tr>
<tr>
<td>&quot;QC&quot;</td>
<td>59/9</td>
<td>66/3</td>
<td>58½/9</td>
</tr>
</tbody>
</table>

### Plumb Lathing Hatchets

**Fig. 1684**

Two Finishes.
- "HF" Black Heads, Red Handles.
- "P" Polished Heads, White Handles.

<table>
<thead>
<tr>
<th>No.</th>
<th>2961</th>
<th>2962</th>
<th>621</th>
<th>622</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price &quot;HF&quot;</td>
<td>58½/5</td>
<td>61½</td>
<td>58½/9</td>
<td>61½/8</td>
</tr>
<tr>
<td>&quot;P&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Handled Side Hatchets

**Fig. 5497**

<table>
<thead>
<tr>
<th>No.</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cut</td>
<td>4½</td>
<td>5</td>
<td>5½</td>
<td>6 in.</td>
</tr>
<tr>
<td>Weight</td>
<td>2½</td>
<td>2½</td>
<td>3½</td>
<td>3½ lb.</td>
</tr>
<tr>
<td>PRICE</td>
<td>7½</td>
<td>7½</td>
<td>8½</td>
<td>8½/6 ea.</td>
</tr>
</tbody>
</table>

### Shingling Hatchets

**Fig. 5498**

<table>
<thead>
<tr>
<th>No.</th>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cut</td>
<td>3½</td>
<td>3½</td>
<td>4½ in.</td>
</tr>
<tr>
<td>Weight</td>
<td>1½</td>
<td>1½</td>
<td>1½ lb.</td>
</tr>
<tr>
<td>PRICE</td>
<td>4½</td>
<td>5½</td>
<td>5½/6 ea.</td>
</tr>
</tbody>
</table>

### Best Cast Steel Firemen's Axes

**Fig. 5491**

| PRICE | 7½ each |

### Steel Poll Kent Hatchets

**Fig. 5492**

<table>
<thead>
<tr>
<th>No.</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td>2½</td>
<td>3½</td>
<td>3½</td>
<td>3½</td>
<td>4½</td>
<td>4½</td>
</tr>
<tr>
<td>6 each</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Ice Axes

**Fig. 6410**

| PRICE | 12½ each |

---

2, WHITECHAPEL ROAD, LONDON, E. 1.

671
ROSE TOOLS, INC.

BUCK & HICKMAN, LTD.,

Steel Poll Kent Axes
Fig. 5484

Weight ... 2 3 3 4 5 6 lb.

Steel Poll Kent Felling Axes
Fig. 5485

Price 1/6 per lb.

Wood Paving Side Axes
Fig. 6071

Price 8 ½ each

Ship Carpenters’ Adzes. Fig. 5502

No. ... 1 2 3 4
Price ... 5/6 5/2 5/4 5/6 each

Spout Adzes. Fig. 5899

No. ... 1 2 3 4
Price ... 5/6 5/8 5/10 6 each

Platelayers’ Adzes.
Fig. 4158 Black, Half Head
Fig. 4159 with Pin

Size 5 6 7 lb.
Price 6/9 7/6 8/6 9/6 each

Carpenters’ Adzes Pin Head. Fig. 5499

No. ... 1 2 3 4
Price 4/8 4/10 5½ 5½ each

Steel Head Carpenters’ Adzes. Fig. 5500

No. ... 1 2 3 4
Price 4/4 4/6 4/8 4/10 each

London Wheelers’ Adzes Fig. 5501

No. ... 1 2 3 4
Price 5/4 5/8 5/8 6 each

Paviors’ Hammers. Fig. 6073 7/6 each

Steel Poll Coach Side Axes. Fig. 5487
Prices on application

Timber Wedges
Fig. 5495

Timber Scribes
Fig. 5791
Tape Scribe
2 in. 3/4 oz.
1 in. 4½...

Fig. 5793
With Slide
7½ each

Fig. 5794
Goose Neck
Beach
Handle
2½ each

Wood Choppers. Fig. 6072
8 in. long. Straight wooden handle. PRICE 2 each.

Mahogany Squaring Axes. Fig. 5483
Prices on application

Stock sizes:
10 x 2½ x 1¾, 8 x 1½ x 1¾, 7 x 1½ x 1 in.
Price 7/6 per lb.
Any size made to order

Cant Hooks. Fig. 6450

A light handy tool and one of the most useful appliances for use in the woods or timber yard.
The gripping points are hardened steel and the handle is made of well-seasoned ash, rounded at the end.
Approx. weight, complete, 18 lb.
Price 21/2 each

Timber Swords, Crayons, etc., supplied to order.

2, WHITECHAPEL ROAD, LONDON, E. I.

672
Brown & Sharpe Manufacturing Co.'s

Mercury Plumb Bobs

Fig. 3105 (No. 790)

These Plumb Bobs are made from a solid steel rod, bored out and filled with mercury, or quicksilver, which makes them unusually heavy in proportion to their size. The centre of gravity is low. Illustration on left shows the manner in which these plumb bobs are constructed. The comparatively small diameters allow them to be used close to corners and walls. They are not easily affected by draughts of air and may be conveniently carried or packed in small spaces.

Points are hardened and bodies and points are ground. The plumb bobs are nickel-plated, and each is furnished with a braided silk line.

PRICES, each

<table>
<thead>
<tr>
<th>Size</th>
<th>Approximate Weight</th>
<th>Price each</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 in.</td>
<td>2 in. diam.</td>
<td>3/4 oz.</td>
</tr>
<tr>
<td>4 1/4</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>5 1/4</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

Millers Falls Plumb Bobs

Fig. 3117. (Nos. 1-4)

These plumb bobs are machine turned from cold rolled steel. Points sharpened and hardened.

<table>
<thead>
<tr>
<th>No.</th>
<th>Length</th>
<th>Weight</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2 1/4</td>
<td>3</td>
<td>1/3</td>
</tr>
<tr>
<td>2</td>
<td>3 1/4</td>
<td>6</td>
<td>1/6</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>8</td>
<td>2/4</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>9 1/2</td>
<td>3</td>
</tr>
</tbody>
</table>

Starrett's Mercury Plumb Bobs

Fig. 3106 (No. 87)

This plumb bob is similar in design to Fig. 3105, excepting the method of fastening cord.

<table>
<thead>
<tr>
<th>Size</th>
<th>Approximate Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 in.</td>
<td>1 in. diam.</td>
<td>3 1/4 oz.</td>
</tr>
<tr>
<td>5</td>
<td>1 1/4 in. diam.</td>
<td>6</td>
</tr>
<tr>
<td>5 1/4</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

Steel Plumb Bobs

Fig. 3106a (No. 177)

Same design as Fig. 3105, but made from solid steel, the mercury being omitted.

<table>
<thead>
<tr>
<th>Size</th>
<th>Approximate Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 in.</td>
<td>1 in. diam.</td>
<td>2 1/2 oz.</td>
</tr>
<tr>
<td>5</td>
<td>1 1/4 in. diam.</td>
<td>6</td>
</tr>
<tr>
<td>5 1/4</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

Engineers' Brass Plumb Bobs

Fig. 3107. Screw Tops. Steel Points.

<table>
<thead>
<tr>
<th>No.</th>
<th>Approximate Weight</th>
<th>Price each</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1 1/4 oz.</td>
<td>7/9</td>
</tr>
<tr>
<td>1</td>
<td>2 1/2</td>
<td>7 1/11</td>
</tr>
<tr>
<td>2</td>
<td>3 1/4</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>4 1/4</td>
<td>1 5/10</td>
</tr>
<tr>
<td>4</td>
<td>5 1/4</td>
<td>1 9/10</td>
</tr>
<tr>
<td>5</td>
<td>6 1/4</td>
<td>2 2/3</td>
</tr>
<tr>
<td>6</td>
<td>7 1/4</td>
<td>3 1/3</td>
</tr>
<tr>
<td>7</td>
<td>8 1/4</td>
<td>4 1/2</td>
</tr>
<tr>
<td>8</td>
<td>9 1/4</td>
<td>5 1/2</td>
</tr>
<tr>
<td>9</td>
<td>10 1/4</td>
<td>6 1/2</td>
</tr>
<tr>
<td>10</td>
<td>11 1/4</td>
<td>7 1/2</td>
</tr>
<tr>
<td>11</td>
<td>12 1/4</td>
<td>8 1/2</td>
</tr>
<tr>
<td>12</td>
<td>13 1/4</td>
<td>9 1/2</td>
</tr>
</tbody>
</table>

Lead Plumb Bobs

Fig. 4135

<table>
<thead>
<tr>
<th>Size, lb.</th>
<th>Price per lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4</td>
<td>7/9</td>
</tr>
<tr>
<td>1/3</td>
<td>7 1/11</td>
</tr>
<tr>
<td>1/2</td>
<td>1/8</td>
</tr>
<tr>
<td>1</td>
<td>1/11</td>
</tr>
</tbody>
</table>

Iron Plumb Bobs

Fig. 4882

<table>
<thead>
<tr>
<th>Size, lb.</th>
<th>Price per lb.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4</td>
<td>5 1/2</td>
</tr>
<tr>
<td>1</td>
<td>1/8</td>
</tr>
<tr>
<td>2/3</td>
<td>1/11</td>
</tr>
</tbody>
</table>

2, WHITECHAPEL ROAD, LONDON, E. I.
Spirit Levels


Fig. 5393

Narrow Level. Brass Plated Top.
Size:
No. 1621: 7 10 1/2 1/3 1/7 1/10 2/2 each
No. 1622: 6 8 9 10 12 in.
Broad Level. Brass Plated Top.
Size:
No. 1326: 1/4 1/6 1/9 1/11 2/3 2/6 3/7 5/10 each
No. 1327: 2/3 2/7 2/11 3/8 3/8 4/10 7/13 each

 Builders' & Road Makers' Level Fitment
 For Mounting in Wood Stock. Fig. 5931

Bubble Tube can be adjusted true to the base of level when fitted to Level Stock.
Size: 7 9 11/4 in.
PRICE: 3/3 4 4/9 each

Boat-Shaped Rosewood Plumb & Level
Fig. 5402

Brass Plated Top. Tipped Bottom.
Size:
No. 1625: 2/7 2/10 3 3/3 3/9 each

Boat-Shaped Rosewood Plumb & Level
Fig. 5403

Heavy Brass Plates. Tipped Bottom.
Size:
No. 1628: 3/11 3/11 each

Masons' Boxwood Plumb and Level
Fig. 5404

Narrow Boxwood Rule and Plumb Level. Brass Tipped on Bottom.
Size:
No. 1369: 6 8 9 10 12 in.
Boxwood Rule and Plumb Level. Brass Tipped on Ends and Bottom.
Size:
No. 1371: 2/11 3/2 3/3 3/6 each
Wide Boxwood Rule and Plumb Level. Brass Tipped on Ends and Bottom.
Size:
No. 1370: 3/10 4/2 4/6 4/10 5/5 6 7/2 each

Brass Pocket Level
Fig. 5401

In Boxwood Case.
No. 1367, 4 in.

The Columbia "Which-way" Pocket Level (Made in U.S.A.). Fig. 5413

This useful little Level indicates in an instant which way the work is out. With all other levels this is not the case. They have to be placed first in one position and then in another before indicating the direction of deviation from truth.
PRICE: 4/2 each
Builders' Spirit Levels and Plumbs
Improved Registered Plumb and Level. Fig. 5407

Bubble Tube is set in centre of brass frame, having glass at top and sides, with very large openings, so that bubbles can be plainly seen from a distance or even from below. Tested both on base and at top. Mahogany. Tipped top and bottom corners.

Double Plumb and Level. Fig. 9950

Brass Tipped on Bottom and at one End. Brass Cover Plate.

Size...
No. 78...

Narrow Plumb and Level, 2½ in. deep x 1 in. wide.

With one Plumb, one Spirit Level and Lead Plumb Bob (8 oz.) and line.

Brass Cover Plate.

No. 78...
Size 42 in.

Adjustable Plumb and Level. Fig. 9951

Brass Cover Plate and Strong Brass Tips on Bottom.

3½ in. deep x 1½ in. wide.

Size...
No. 100...

Single Plumb and Level Fig. 5933

Brass Tipped on Both Ends. Brass Cover Plate.

Fitted one pair of Level Tubes and two pairs of Plumb Tubes, all adjustable and all protected by glass coverings.

Single Plumb and Level. Fig. 9952

Aluminium Tipped Ends.

2½ in. deep x 1 in. wide

Price...
No. 80...

Adjustable Plumb and Level

Brass Cover Plates and Full Brass Tipped.

Size...
No. 113...
No. 112 (not brass tipped)

Stanley "Odd Jobs" (U.S.A.) can be supplied. Prices on application.

Stanley Plumbs and Level (Made in U.S.A.) can be supplied. Prices on application.

Disston Plumbs and Levels (Made in U.S.A.) can be supplied. Prices on application.

2, WHITECHAPEL ROAD, LONDON, E. 1.
Millers Falls Levels

Fig. 6452
Aluminium
Sturdy and well designed frame

<table>
<thead>
<tr>
<th>M.F. No.</th>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1012</td>
<td>12</td>
<td>8/6</td>
</tr>
<tr>
<td>1018</td>
<td>18</td>
<td>11/3</td>
</tr>
<tr>
<td>1024</td>
<td>24</td>
<td>12/6</td>
</tr>
<tr>
<td>1026</td>
<td>28</td>
<td>13/9</td>
</tr>
<tr>
<td>1028</td>
<td>28</td>
<td>16/8</td>
</tr>
<tr>
<td>1030</td>
<td>30</td>
<td>17/8</td>
</tr>
<tr>
<td>1042</td>
<td>42</td>
<td>37/6 each</td>
</tr>
</tbody>
</table>

Furnished with 4 plumbs and 2 levels, except the 12 and 18 in. which have 2 plumbs and 2 levels.

Fig. 6453
Solid Mahogany. Natural finish.

<table>
<thead>
<tr>
<th>M.F. No.</th>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>624</td>
<td>24</td>
<td>9/6</td>
</tr>
<tr>
<td>628</td>
<td>26</td>
<td>10/6</td>
</tr>
<tr>
<td>630</td>
<td>26</td>
<td>10/6 each</td>
</tr>
</tbody>
</table>

Fig. 6453A

<table>
<thead>
<tr>
<th>M.F. No.</th>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>312</td>
<td>12</td>
<td>4/2</td>
</tr>
<tr>
<td>316</td>
<td>16</td>
<td>4/4</td>
</tr>
<tr>
<td>318</td>
<td>18</td>
<td>4/6</td>
</tr>
<tr>
<td>320</td>
<td>20</td>
<td>4/8</td>
</tr>
<tr>
<td>324</td>
<td>24</td>
<td>5/3</td>
</tr>
<tr>
<td>326</td>
<td>26</td>
<td>5/6</td>
</tr>
<tr>
<td>328</td>
<td>26</td>
<td>5/8</td>
</tr>
<tr>
<td>330</td>
<td>30</td>
<td>5/10 each</td>
</tr>
</tbody>
</table>

Furnished with 1 plumb and 1 level.

Fig. 6453 B
Solid Mahogany. Natural finish.

<table>
<thead>
<tr>
<th>Length (M.F Nos. 642 and 648)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>19/6</td>
</tr>
<tr>
<td>48 in.</td>
<td>20/10 each</td>
</tr>
</tbody>
</table>

Fig. 6453 C

<table>
<thead>
<tr>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>48 in.</td>
<td>17/6 each</td>
</tr>
<tr>
<td></td>
<td>24/6</td>
</tr>
</tbody>
</table>

Furnished with 4 plumbs and 2 levels.

Fig. 6453 D

<table>
<thead>
<tr>
<th>Length (M.F Nos. 442 and 448)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>10/9</td>
</tr>
<tr>
<td>48 in.</td>
<td>11/3 each</td>
</tr>
</tbody>
</table>

Furnished with 2 plumbs and 1 level.

Fig. 6453 E

<table>
<thead>
<tr>
<th>Length</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>15/8 each</td>
</tr>
<tr>
<td>48 in.</td>
<td>23/9</td>
</tr>
</tbody>
</table>

Furnished with 4 plumbs and 2 levels.

Adjustable Aluminium Plumb and Level

Fig. 6454 (British Made)

Top and bottom surfaces are machine planed and parallel.
The arrangement of duplicating all plumb and level glasses ensures one or other of them being brought into use whichever way the tool may be handled.
All tubes are of best proved quality and are adjustable individually—after removing a cover platerubber seals protect each opening from dirt and moisture.

Size, 24 in. x 2½ in. x 1 in. Weight, 2 lb. 6 oz. PRICE 24/ each.

2, WHITECHAPEL ROAD, LONDON, E.1.
Coopers' Tools

Drawing Knives. Fig. 5614
Electro Boracic Steel

<table>
<thead>
<tr>
<th>Size</th>
<th>10</th>
<th>11</th>
<th>12 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>5½</td>
<td>5/3</td>
<td>5/6 each</td>
</tr>
</tbody>
</table>

Hollowing Knives. Fig. 5615
Electro Boracic Steel

<table>
<thead>
<tr>
<th>Size</th>
<th>5</th>
<th>6 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>4/3</td>
<td>4/3 each</td>
</tr>
</tbody>
</table>

Heading Knives. Fig. 6075
Electro Boracic Steel

<table>
<thead>
<tr>
<th>Size</th>
<th>10</th>
<th>11</th>
<th>12 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>5½</td>
<td>5/3</td>
<td>5/6 each</td>
</tr>
</tbody>
</table>

Crumming Knives
Fig. 5817. Electro Boracic Steel

<table>
<thead>
<tr>
<th>Size</th>
<th>12 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>7/3 each</td>
</tr>
</tbody>
</table>

Jiggers. Fig. 5616
Electro Boracic Steel

<table>
<thead>
<tr>
<th>Size</th>
<th>2½</th>
<th>3 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRICE</td>
<td>4/4</td>
<td>4/11 each</td>
</tr>
</tbody>
</table>

Round Shaves

Socket Drivers
Fig. 5619
Electro Boracic Steel

<table>
<thead>
<tr>
<th>PRICE, Stocked, 5/6 each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stock and Ring only</td>
</tr>
<tr>
<td>PRICE 1/8 each</td>
</tr>
</tbody>
</table>

Solid Drivers

Flagging Iron. Fig. 5634
PRICE. Large, 6½; Small, 5/9 each

Coopers' Axes. Fig. 5489

Bung Ticklers
Fig. 5625

A. With Wood Head PRICE 2½ each
B. With Iron Head 3½

Bung Floggers
Fig. 6076. PRICE 5½ each

2, WHITECHAPEL ROAD, LONDON, E. I.
Coopers' Tools

Coopers' Bick Irons
Fig. 5630
PRICE 1/3 per lb.

Coopers' Vice
Fig. 5631
PRICE 1/3 each

Coopers' Chive Vice
Fig. 5632
PRICE 9/ each

Coopers' Adzes
Electro Boracic Steel

Fig. 5503

Fig. 5505

Fig. 5506

Fig. 5503. Rounding Adzes
5604. Notching (or Nailing Adzes)
5606. Chequered Face
5605. and Clawed
5502. Trussing

Coopers' Jointers, Head and Side
Fig. 5637
Complete with irons, 5 ft., 37/6; 6 ft., 40/ each.
Extra irons, see Plane irons.

Coopers' Shaves
Fig. 5639

<table>
<thead>
<tr>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Downright</td>
<td>13/3 each</td>
</tr>
<tr>
<td>Inside, 4½ or 4 in.</td>
<td>11/3</td>
</tr>
<tr>
<td>Outside, 4½ or 4 in.</td>
<td>10/6</td>
</tr>
<tr>
<td>Inside, 3½ or 3 in.</td>
<td>10/6</td>
</tr>
<tr>
<td>Outside, 3½ or 3 in.</td>
<td>9/9</td>
</tr>
<tr>
<td>Buzz or Scraper</td>
<td>10/6</td>
</tr>
</tbody>
</table>

Improved Chives, Iron Plated
Fig. 5638
Pin, 20/3; Firkin, 21/; Kilderkin, 23/6; Barrel, 28/6; Hogshead, 29/6; Butt, 30/ each.

Coopers' Swifts
Fig. 5642
Inside or Outside

<table>
<thead>
<tr>
<th>Iron</th>
<th>2½</th>
<th>2½</th>
<th>2½</th>
<th>2½</th>
<th>1½</th>
<th>1½</th>
</tr>
</thead>
<tbody>
<tr>
<td>For</td>
<td>Butt</td>
<td>Hogshead</td>
<td>Barrel</td>
<td>Kilderkin</td>
<td>Firkin</td>
<td>Pin</td>
</tr>
</tbody>
</table>
| Price     | 15/ | 14/3| 13/6| 12/9| 12/4 ce.
| Inside, plated, 2½ in, 17/3 each. |  |
| Downright, 13/3 each, plated. |  |

Size     | 2  | 2  | 2  | 2  | 3 in. |

Price     | 12/9| 13/8| 14/3| 15½| 15/9 each |

Sundry Tools

Fig. 5644. Bright Wing Compasses

<table>
<thead>
<tr>
<th>Size</th>
<th>8</th>
<th>10</th>
<th>12</th>
<th>14</th>
<th>16</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Price</td>
<td>3/6</td>
<td>4/6</td>
<td>5/6</td>
<td>6/6</td>
<td>7/6</td>
<td>9/6</td>
</tr>
</tbody>
</table>

Fig. 5648. Chisels

Fig. 5649. Coopers' Hammers

Fig. 5650. Frets, 7 in., 5/6; 8 in., 4½; 9 in., 5/6 each.

2, WHITECHAPEL ROAD, LONDON, E.1.
Coopers' Tools

Tap Borers
Fig. 5621
Size: 1 1 1 1 1 1 1 1 2 in.
Price: 2/6 3/6 4/6 5/6 6/6 8/6 10/6 each

Bung Borers
Fig. 5622
Similar in design to Fig. 5621
Extra Strong, Riveted Handle.
Size: 2 1/2 3 3 1/2 4 in.
Price: 19/6 22/6 30/6 35/6 each

"Enterprise" Improved Bung Borer
Fig. 5623
(Made in U.S.A.)
Bores a complete round hole, regular taper; holds its own chips, and prevents them from entering the oak.
No. 1. Small size, boring from 1/4 to 1/2 in... 36/6 each
No. 2. Medium... 1/2 2... 34/6
No. 3. Large... 1 3... 42/6
To sharpen the stock or reamer, file the inside of slot only.

Buck & Hickman's Improved Bung Borer Fig. 5624
This Bung Borer is claimed as the best manufactured, and has a constantly increasing sale. The body is gunmetal, the cutting edge being a steel knife let into a dovetail groove.
Size: 2 1/2 3 3 1/2 4 in.
Price: 78/2 96/2 114/2 128/6 each

Coopers' Croze Irons or Hawkbills
Regular Type. Fig. 5627
Size of Stock... 12 14 16 18 20 22 24 in.
Size of Iron... 1/4 1/4 1 1/2 2 2 1/2 3
For... Saw Croze Pin Firkin Kilderkin Barrel Hogshoe Butt
Complete on Wood Stock 16/6 21/2 22/6 22/6 24/2 27/2 30/2
Iron only... 3/6 4/3 4/3 5/6

Improved Type. Fig. 5629
Regular
PRICE, complete on Wood Stocks, Small, 22/6: Large, 24/2 each.
Irons only, Small, 11/6; Large 12/6 each.

Bushing Tools
Fig. 6078
Size: 1 1 1 1 2
Price: 32/6 39/6 40/6 43/9 each
Fig. 6079
Size: 2 2 1/2 2 1/2
Price: 55/9 55/9 60/6 63/9

Iron and Wood Truss Hoops. Prices on application.

2, WHITECHAPEL ROAD, LONDON, E.1.
Pocket Knives

Fig. 9976 Length, 3½ in.
PRICE, Stag, 9/6 each.

Fig. 9977 Length, 3½ in.
Sportsman's Knife
PRICE, Stag, 5/6 each.

Fig. 9978 Length, 3½ in.
PRICE, Stag, 8/6 each.

Fig. 9979 Hunting Knife
Vulcanite Handle. Blade 5 in. long.
PRICE, 3/6 each complete with Sheath.

Fig. 9980 Length, 3 in.
PRICE, Ivorine Handle,
Stainless Steel Blade,
2/3 each.

Fig. 554 Length, 3½ in.
PRICE, Ivory, 12/6 ;
Stag, 11½ each.

Fig. 9981 Length, 3½ in.
Wireless Knife. Fibre Handle.
PRICE, 3/6 each.

Fig. 9982
Length .. 3 4 in.
Nickel Silver 7/9 8/9 each.

Fig. 3722
Bright Steel Rule Knife, 3½ in. with two
blades, 4½ each.

Engineers' Pocket Knives

Fig. 3720. Steel Rule Knife,
marked ins. and % in., with two blades
and eight feeler blades. 7/6 each.

Fig. 3721. Two blades and N.P.
Steel Rule, 12 in. long divided into %, %, %, % and %.
In Fig. 45 sheath.
6/8 each.
Pocket Knives

Fig. 9969. Length 3\frac{1}{4} in.
PRICE, Fine Ivory ..... 11/6 each

Fig. 3733. Length 3\frac{1}{4} in.
PRICE, Fine Ivory with stars 11/6 each

Fig. 9966. Smokers' Knife. Length 3 in.
PRICE, Chequered Horn ..... 11/6 each

Fig. 9962. Length 3\frac{1}{4} in.
PRICE, Fine Ivory ..... 7\frac{1}{2} each

Fig. 9961. Length 3\frac{1}{4} in.
PRICE, Fine Ivory ..... 7\frac{1}{2} each

Fig. 9960. Length 3\frac{1}{4} in.
PRICE, Fine Ivory with stars 11/6 each

Fig. 9968. Length 3\frac{1}{4} in.
PRICE, Fine Ivory ..... 10/6 each

Fig. 9969. Length 3\frac{1}{4} in.
PRICE, Buffalo Horn ..... 4\frac{1}{2} each

Fig. 9970. Length 3\frac{1}{4} in.
PRICE, Pearl ..... 10/6 each

Fig. 9971. Length 3\frac{1}{4} in.
PRICE, Pearl ..... 7\frac{1}{2} each

Fig. 9972. Length 3\frac{1}{4} in.
PRICE, Stag ..... 8/6 each

Fig. 9972. Length 3 in.
PRICE, Pearl ..... 6/6 each

Fig. 9973. Length 3 in.
PRICE, Nickel Silver Handle Stainless Steel Blades ..... 2/9 each

Fig. 9975. Length 3 in.
PRICE, Stainless Steel throughout ..... 5\frac{1}{2} each

Fig. 9974. Length 3\frac{1}{4} in.
PRICE, Ivory ..... 4/9 each

Fig. 3743. Nickel Silver Scales, very thin.

Fig. 3742. Length 3\frac{1}{4} in.
PRICE, Ivory ..... 4/6 each

Fig. 3744. Length 3\frac{1}{4} in.
PRICE, Ivory ..... 5/6 each

Fig. 3745. Length 3\frac{1}{4} in.
PRICE, Stag ..... 5/3 each

2, WHITECHAPEL ROAD, LONDON, E. 1.