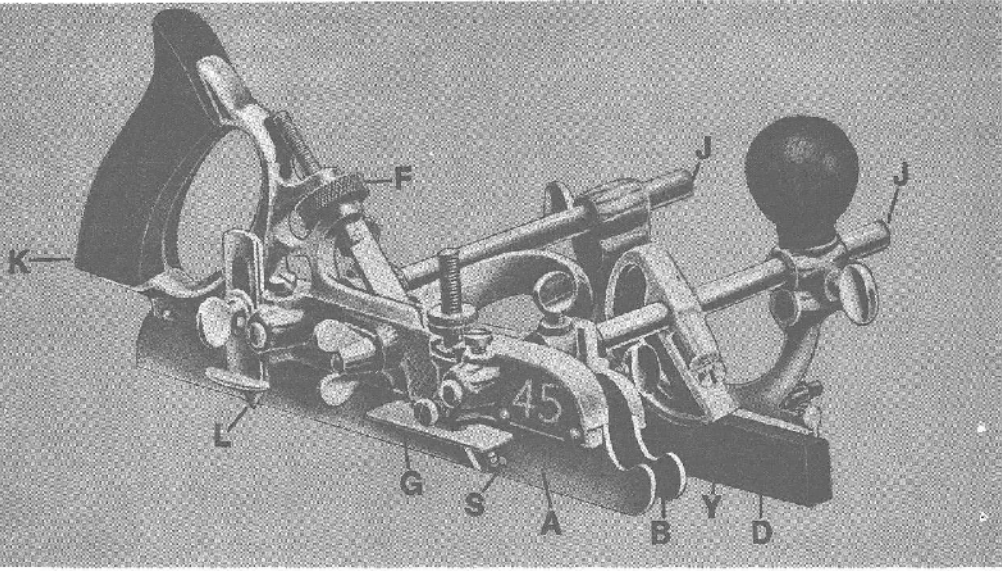


45 PLANE

SEVEN PLANES IN ONE

STANLEY

helps you do things right



Stanley "Forty-Five"

This well known and useful tool in reality combines *seven planes in one* in a compact and practical form. 1.—Beading and Center-beading Plane. 2.—Plow. 3.—Dado. 4.—Rabbet. 5.—Match Plane. 6.—Sash Plane. 7.—Slitting Plane.

It has three principal parts, a *Main Stock* (A), a *Sliding Section* (B), and a *Fence or Gauge* (D).

The *Main Stock* carries the *Cutter*, *Cutter Adjustment* (F), *Slitting Tool* (L), *Depth Gauge* (G), *Handle* (K), and provides a bearing for one edge of the cutter.

The *Sliding Section* slides on two *Arms* (J), secured in the *Main Stock* and provides a bearing for the other edge of the cutter, allowing cutters of different widths to be used.

The *Fence* slides on these *Arms* and is used when working the *Plane* as a *Plow*, *Beader* or *Rabbet*, to gauge the distance from the cutter to the edge of the board. The *Arms* slide through the *Main Stock* so that *Fence* (D) can be attached to either side according as the *Plane* is used right or left hand.

Two sets of *Arms* are furnished, one set, 4¼ inches and the other 8¼ inches long. Longer *Arms* can be furnished if required.

Spurs to score a path for the cutter when working across the grain are attached to the *Main Stock* and *Sliding Section*. They can be readily turned up out of the way when the *Plane* is used for cutting with the grain.

All metal parts are nickel plated and the *Handle*, *Knob*, and *Fence* are made of selected rosewood.

Twenty-three *Cutters* are furnished with each *Plane* as follows: 11 *Plow* and *Dado*, 7 *Beading*, 1 *Rabbet*, 1 *Sash*, 2 *Match* and 1 *Slitting*. Twenty-four additional cutters are regularly carried in stock and can be furnished at a slight additional cost. (For sizes and prices see last two pages.)

Cutters should be honed before using.

The *Plane* complete with 23 *Cutters* weighs approximately 9½ pounds.

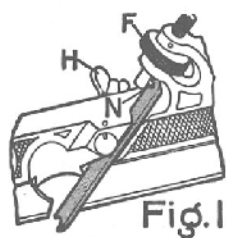


Fig. 1

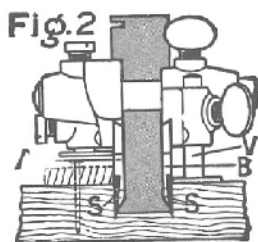


Fig. 2

Directions for Use

Cuts (Except No. 1) show Plane as it looks from the front

Fig. 1—CUTTERS—To insert a cutter, loosen Cutter Bolt (H) and place cutter in position with slot on Pin (N). Adjust by means of Adjusting Nut (F), then tighten Cutter Bolt (H).

Fig. 2—DADO—Move Sliding Section (B) up to cutter until its Spur (S) is directly in line with the left edge. Attach extra Gauge (V) to Sliding Section to gauge depth. A batten is used for gauging position of dado.

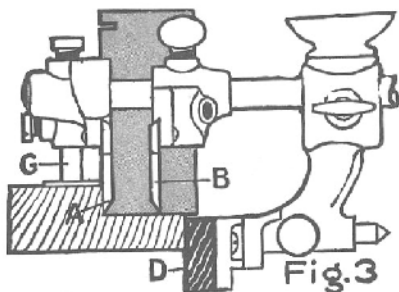


Fig. 3

Fig. 3—RABBET—Attach Fence (D), putting Arms through upper holes. The Fence regulates the width of the cut and if required, slides under the cutter. The Sliding Section (B) also slides under the rabbet. Gauge (G) regulates the depth of the cut.

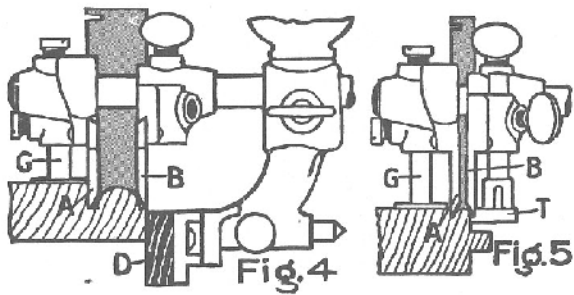


Fig. 4—BEADING—For ordinary Beading place Sliding Section (B) so that the outside of same is in line with left side of the cutter. Fence (D) gauges the distance of bead from edge of board, and Gauge (G) depth of cut. Spurs not used.

Fig. 5—BEADING MATCHED BOARDS—Attach Beading Gauge (T) to left of Sliding Section (B). This provides a guide above the tongue. Gauge (G) regulates depth of cut. Fence (D) and the Spurs are not used.

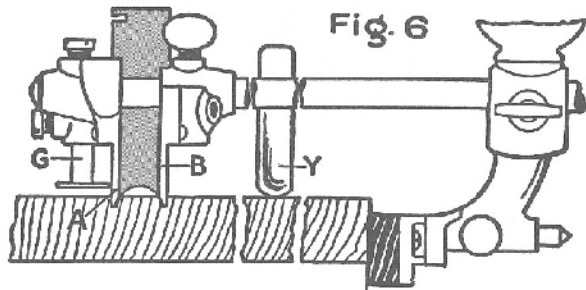


Fig. 6—CENTER BEADING—Attach Cam Rest (Y) to either Arm between Sliding Section and Fence to steady Plane. Attach Fence, and Plane will cut bead five inches from edge of stock. Extra long arms can be furnished on special order which will permit a bead being worked eight inches from edge of the board.

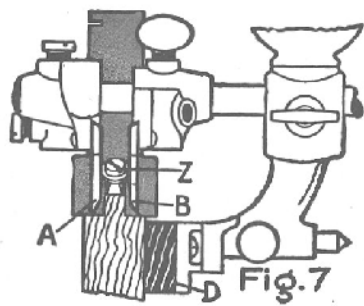


Fig. 7

Fig. 7—MATCHING (Tongue)— Insert the tonguing cutter and set the Stop (Z) attached to same, at the proper point to obtain the height of the tongue desired. Fence (D) regulates the position of the tongue on the edge of the board. The Gauge (G) and the Spurs are not used. With two cutters, boards varying from three-eighths of an inch to one inch in thickness can be matched in the center.

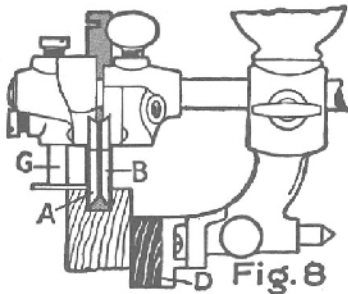


Fig. 8

Fig. 8—MATCHING (Groove)—Use the one-quarter inch plow cutter. Fence (D) regulates the distance of groove from face of board and Gauge (G) the depth of groove. No Spurs are necessary.

PLOW—Use Plane same as in cutting groove for matched boards, except that when cutters are less than one-quarter inch wide, the Sliding Section should be removed. Spurs not used.

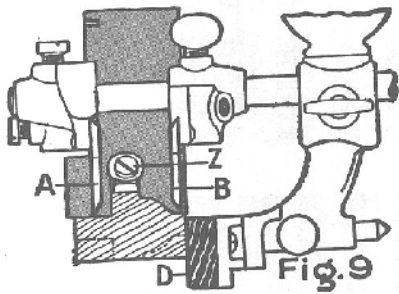


Fig. 9—SASH PLANE—The Sash Cutter is similar to the tool used for cutting the tongue on matched boards, as it has a Stop (Z) which can be adjusted to regulate the depth of the cut. One side of the moulding is cut first, the work is then reversed and the operation is repeated on the other side. Fence (D) is used as in Matching. Spurs not used.

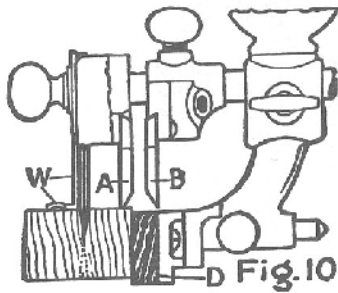
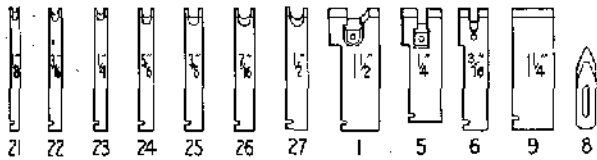
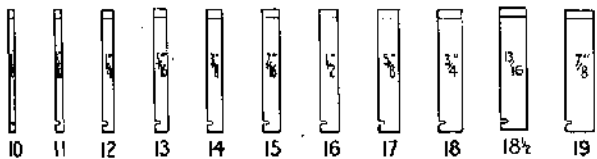


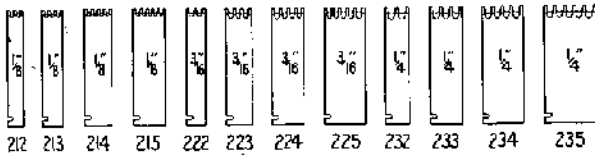
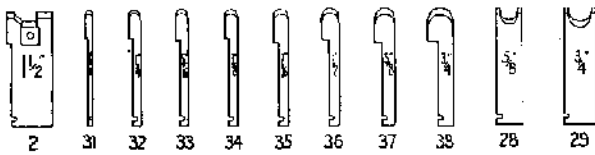
Fig. 10—SLITTING—Insert the Slitting Cutter in the slot on the right side of the Main Stock, and just in front of the Handle. Place Depth Gauge (W) over the Blade and fasten both by means of the thumb screw provided. Fence (D) gauges the distance of the cut from the edge of the board. For thick boards slit both sides.



CUTTERS FOR "FORTY-FIVE"

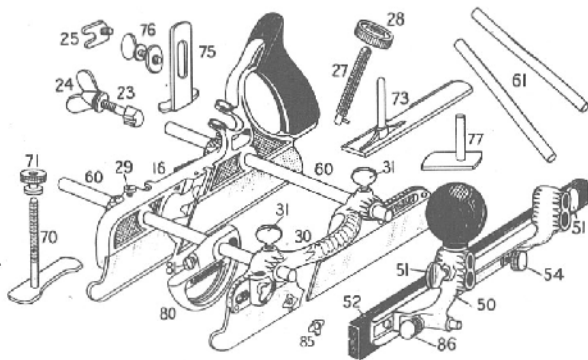
The following twenty-three cutters are furnished with each Plane. The 1/8-inch Beading Tool and the Slitting Tool are assembled in the Main Stock; the other cutters are packed separately. The price is given in case duplicates should be required.

No. 1	1 1/2 in.	Sash Cutter with Stop,
5	3/4 "	Match Cutter " " "
6	3/16 "	" " " " "
8	"	Slitting Cutter
9	1 1/4 "	Rabbit Cutter
10	1/8 "	Plow and Dado Cutter
11	3/10 "	" " " "
12	1/4 "	" " " "
13	5/16 "	" " " "
14	3/8 "	" " " "
15	7/16 "	" " " "
16	1/2 "	" " " "
17	5/8 "	" " " "
18	3/4 "	" " " "
18 1/2	13/16 "	" " " "
19	7/8 "	" " " "
21	1/8 "	Beading Cutter
22	3/16 "	" "
23	1/4 "	" "
24	5/16 "	" "
25	3/8 "	" "
26	7/16 "	" "
27	1/2 "	" "



SPECIAL CUTTERS FOR "FORTY-FIVE"

No. 2	1 1/2 in	Sash Cutter		
28	5/8 "	Reading Cutter		
29	3/4 "	"	"	
31	3/16 "	Fluting Cutter		
32	1/4 "	"	"	
33	5/10 "	"	"	
34	3/8 "	"	"	
35	7/10 "	"	"	
36	1/2 "	"	"	
37	5/8 "	"	"	
38	3/4 "	"	"	
212	1/8 "	Reeding Cutter	2	Beads
213	1/8 "	"	3	"
214	1/8 "	"	4	"
215	1/8 "	"	5	"
222	3/16 "	"	2	"
223	3/16 "	"	3	"
224	3/16 "	"	4	"
225	3/16 "	"	5	"
232	1/4 "	"	2	"
233	1/4 "	"	3	"
234	1/4 "	"	4	"
235	1/4 "	"	5	"



PARTS OF "FORTY-FIVE"

In ordering repairs, always specify name and number of part required.

- No. 1 Cutters
- 2 Special Cutters
- 16 Main Stock or Bottom
- 23 Cutter Bolt
- 24 Cutter Bolt Wing Nut
- 25 Cutter Bolt Clip and Screw
- 27 Cutter Adjusting Screw
- 28 Cutter Adjusting Wheel
- 29 Arm Set Screws
- 30 Sliding Section
- 31 Sliding Section Thumb Screws
- 50 Fence
- 51 Fence Thumb Screw
- 52 Guard Plate (Wood)
- 54 Fence Adjusting Screw
- 60 Long Arms
- 61 Short Arms
- 70 Adjustable Depth Gauge
- 71 Adjustable Depth Gauge Nut
- 73 Beading Stop
- 75 Slitting Cutter Stop
- 76 Slitting Cutter Thumb Screw
- 77 Depth Gauge
- 80 Cam Rest
- 81 Cam Stop Set Screw
- 85 Spurs with Screws
- 86 Fence Arm Set Screw

**NO CUTTERS OR REPAIR
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