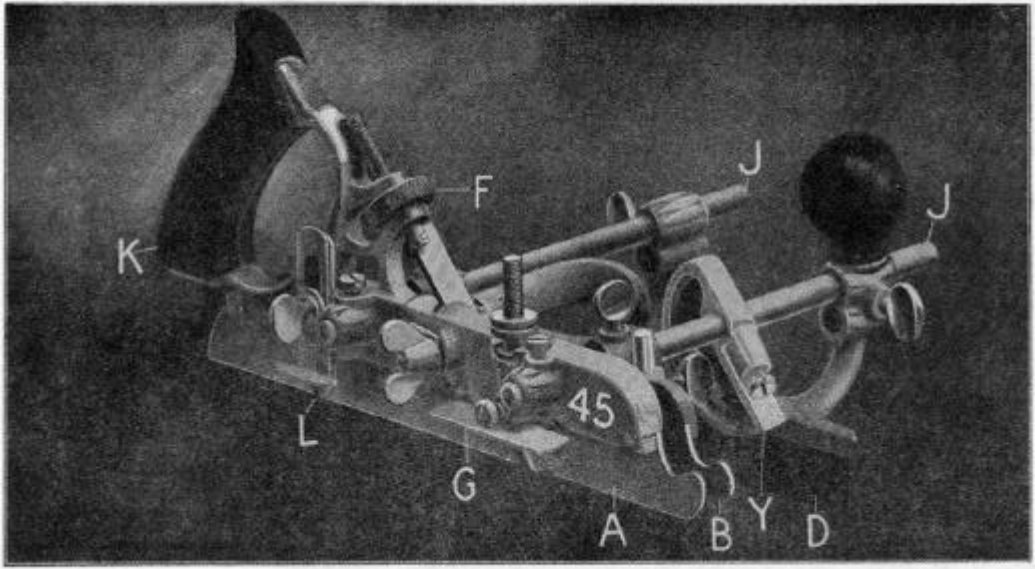

K
F
J
J
L
45
G
A
B
Y
D

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 and Filletster. 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 Filletster, 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 for working across the grain are attached to the Main Stock and Sliding Section. They can be readily turned up out of the way when not required.

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 Fillister, 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 other side.)

The Plane complete with 23 Cutters weighs approximately 9½ pounds.

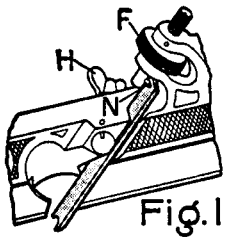


Fig.1

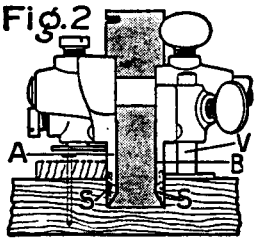


Fig.2

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.

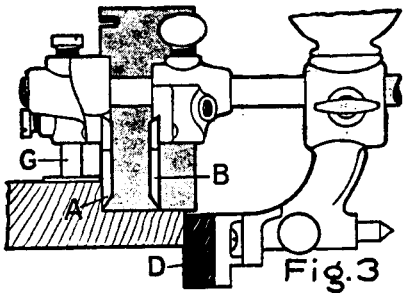


Fig.3

Fig. 3—RABBET AND FILLETSTER—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 cutter, forming a support on the outer edge of the rabbet. Gauge (**G**) regulates the depth of the cut.

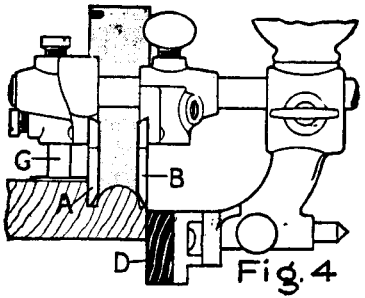


Fig.4

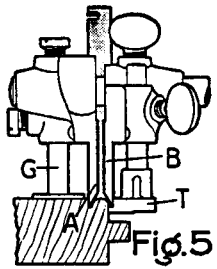


Fig.5

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.

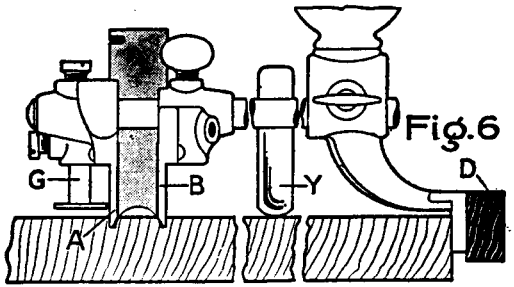


Fig.6

Fig. 6—CENTER BEADING—Attach Cam Rest (**Y**) to either Arm between Sliding Section and Fence to steady Plane. Attach Fence as in Fig 4, and Plane will cut bead five inches from edge of stock. Set as in Fig. 6 and it will cut bead eight inches from edge. Gauge (**G**) is used as in ordinary beading. No Spurs required.

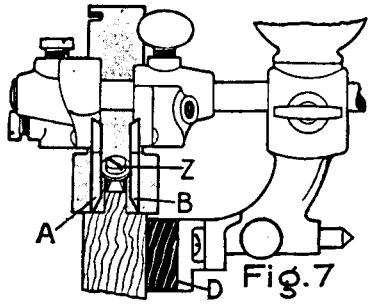


Fig. 7—MATCHING (Tongue)—Insert the tonguing cutter and set the Stop (Z) attached to same, at the proper point to obtain the height of the tongue desired. Fence (D) regulates the position of the tongue on the edge of the board. The Gauge (G) and the Spurs are not used. Boards varying from three-quarters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

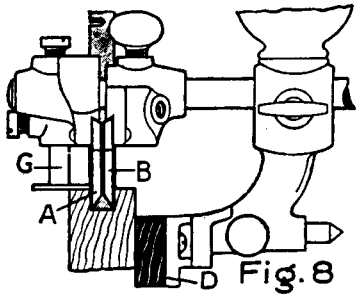


Fig. 8—MATCHING (Groove)—Use the one-quarter inch plow cutter. Fence (D) regulates the distance of groove from face of board and Gauge (G) the depth of groove. No Spurs are necessary.

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

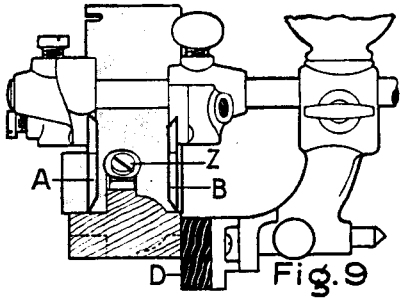


Fig. 9—SASH PLANE—The Sash Cutter is similar to the tool used for cutting the tongue on matched boards, as it has a Stop (Z) which can be adjusted to regulate the depth of the cut. One side of the moulding is cut first, the work is then reversed and the operation repeated on the other side. Fence (D)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

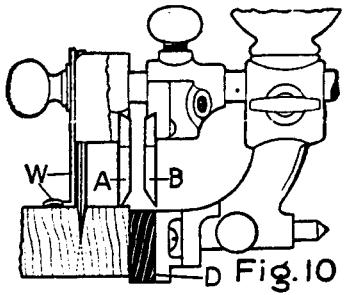
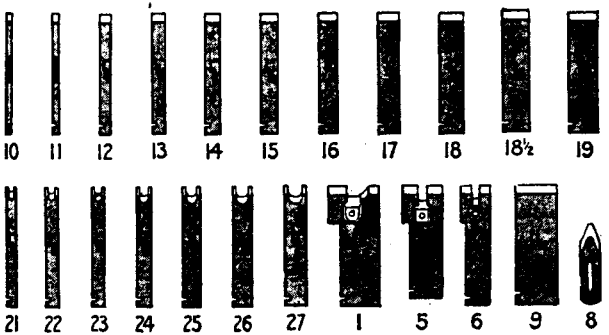


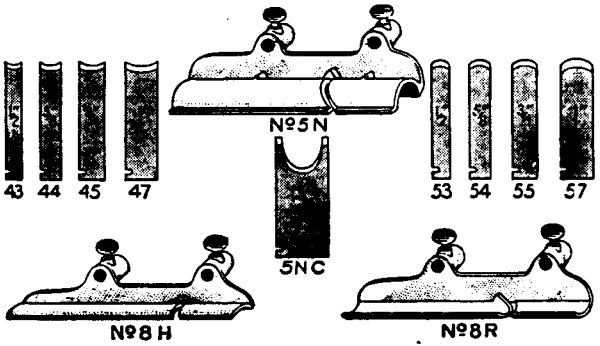
Fig. 10—SLITTING—Insert the Slitting Cutter in the slot on the right side of the Main Stock, and just in front of the Handle. Place Depth Gauge (W) over the Blade and fasten both by means of the thumb screw provided. Fence (D) gauges the distance of the cut from the edge of the board. For thick boards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



CUTTERS FOR "FORTY-FIVE"

The following twenty-three cutters are furnished with each Plane. The ⅛-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	1½ in.	Sash Cutter with Stop, Each,	$1 00
5	¼ "	Match Cutter " " "	1 00
6	3/16 "	" " " " "	1 00
8		Slitting Cutter "	60
9	1¼ "	Filletster Cutter "	50
10	⅛ "	Plow and Dado Cutter "	30
11	5/16 "	" " " " "	30
12	¼ "	" " " " "	30
13	5/16 "	" " " " "	30
14	⅜ "	" " " " "	40
15	7/16 "	" " " " "	40
16	½ "	" " " " "	40
17	5/8 "	" " " " "	40
18	¾ "	" " " " "	40
18½	13/16 "	" " " " "	50
19	⅞ "	" " " " "	50
21	⅛ "	Beading Cutter "	30
22	3/16 "	" " "	30
23	¼ "	" " "	30
24	5/16 "	" " "	40
25	⅜ "	" " "	40
26	7/16 "	" " "	50
27	½ "	" " "	50



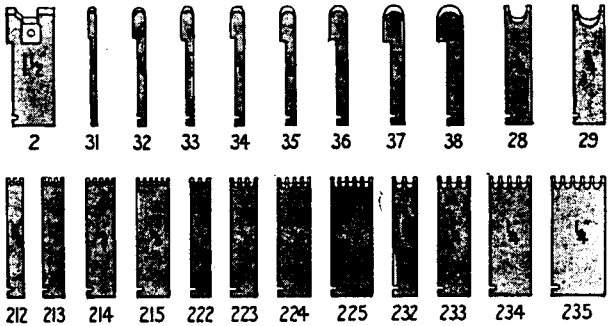
SPECIAL BOTTOMS FOR "FORTY-FIVE"

In order to work *Hollows* and *Rounds* or a *Nosing Cutter* in the No. 45 Plane, it is necessary to substitute for the Sliding Section furnished with the Plane, specially formed bottoms as illustrated above, which are called by the same name as the cutters they are designed to carry, that is:—*Hollows, Rounds,* or *Nosing Tools.*

A *Hollow* and its cutter will form a Round on the moulding being worked. A *Round* and its cutter will form a Hollow. They are made in four sizes, each size being designated by a number. The dimensions given in the table below are: first, the extreme width of the cutter (both Hollows and Rounds), followed by the diameter of the circle each cutter is designed to work. *Hollows* and *Rounds* are usually sold in sets, a set comprising one *Hollow,* one *Round* and two *Cutters.*

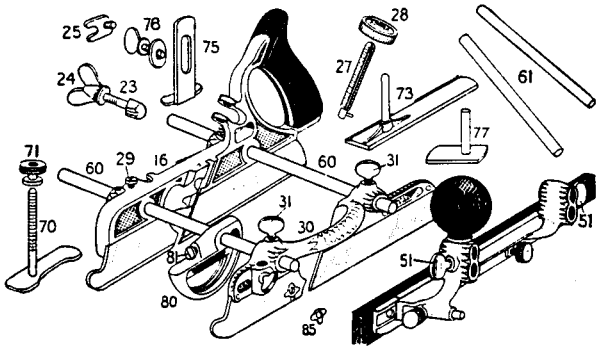
A *Nosing Tool* and its Cutter will form an exact half round. It is very largely used for shaping the edges of stair treads. As in the Hollows and Rounds, the table gives the width of the cutter and the diameter of the circle, which the cutter is designed to work. The price of the Nosing Tool includes one cutter.

		Cutter	Works	Per Pair
No. 6	Hollow and Round	½ in.	¾ in. Circle	$2 80
8	" " "	⅝ "	1 " "	2 80
10	" " "	¾ "	1¼ " "	3 00
12	" " "	1 "	1½ " "	3 00
				Each
5	Nosing Tool	1 11/16 "	1¼ " "	$2 00



SPECIAL CUTTERS FOR "FORTY-FIVE"

No. 2	1½ in.	Sash Cutter			Each,	$1 00
28	⅝ "	Beading Cutter			"	60
29	¾ "	" "			"	60
31	5/16 "	Fluting Cutter			"	60
32	¼ "	" "			"	60
33	5/16 "	" "			"	60
34	⅜ "	" "			"	60
35	7/16 "	" "			"	60
36	½ "	" "			"	60
37	⅝ "	" "			"	60
38	¾ "	" "			"	60
212	⅛ "	Reeding Cutter	2	Beads	"	40
213	⅛ "	" "	3	"	"	60
214	⅛ "	" "	4	"	"	80
215	⅛ "	" "	5	"	"	1 00
222	3/16 "	" "	2	"	"	40
223	3/16 "	" "	3	"	"	60
224	3/16 "	" "	4	"	"	80
225	3/16 "	" "	5	"	"	1 00
232	¼ "	" "	2	"	"	40
233	¼ "	" "	3	"	"	60
234	¼ "	" "	4	"	"	80
235	¼ "	" "	5	"	"	1 00



PARTS OF "FORTY-FIVE"

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

No. 1	Cutters	Per Set,	$7 00
16	Main Stock or Bottom	Each,	5 00
23	Cutter Bolt	"	30
24	" " Wing Nut	"	30
25	" " Clip and Screw	"	10
27	" Adjusting Screw	"	20
28	" " Wheel	"	20
29	Arm Set Screws	"	20
30	Sliding Section	"	3 00
31	" " Thumb Screws	"	20
50	Fence	"	1 50
51	" Thumb Screws	"	20
60	Long Arms	Per Pair,	1 00
61	Short "	" "	50
70	Adjustable Depth Gauge	Each,	40
71	" " " Nut	"	20
73	Beading Stop	"	40
75	Slitting Cutter Stop	"	20
76	" " Thumb Screw	"	20
77	Depth Gauge	"	40
80	Cam Stop	"	80
81	" " Set Screw	"	20
85	Spurs with Screws	"	10