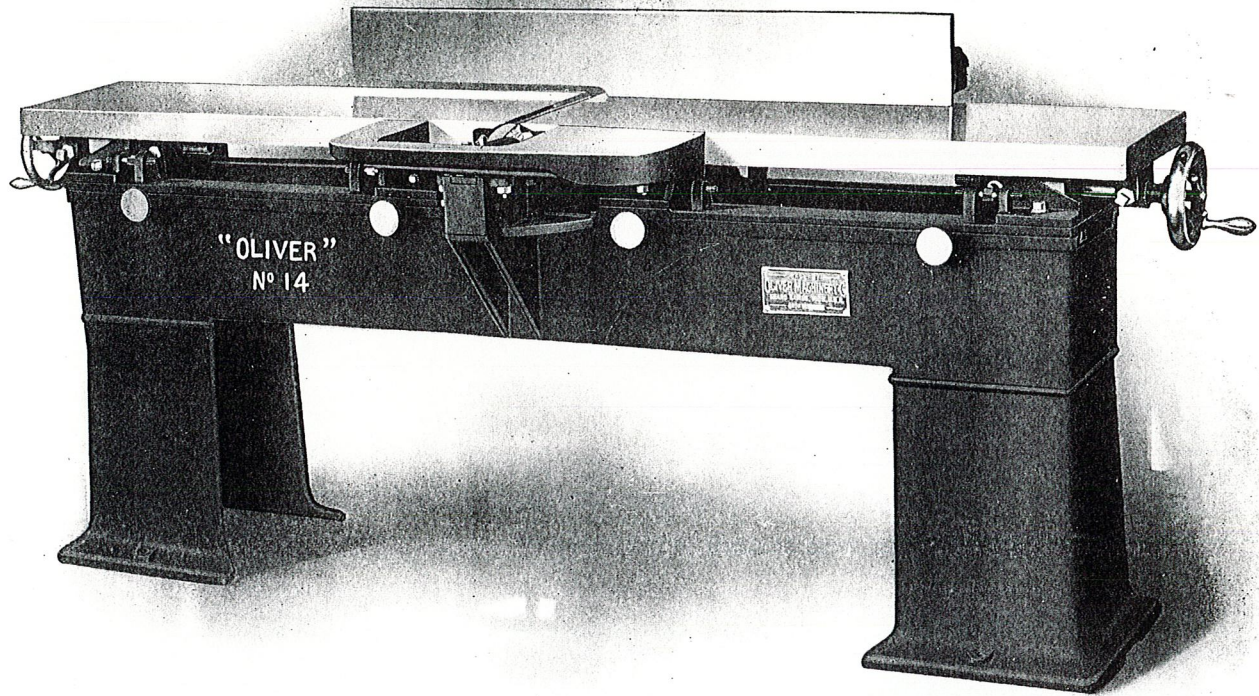
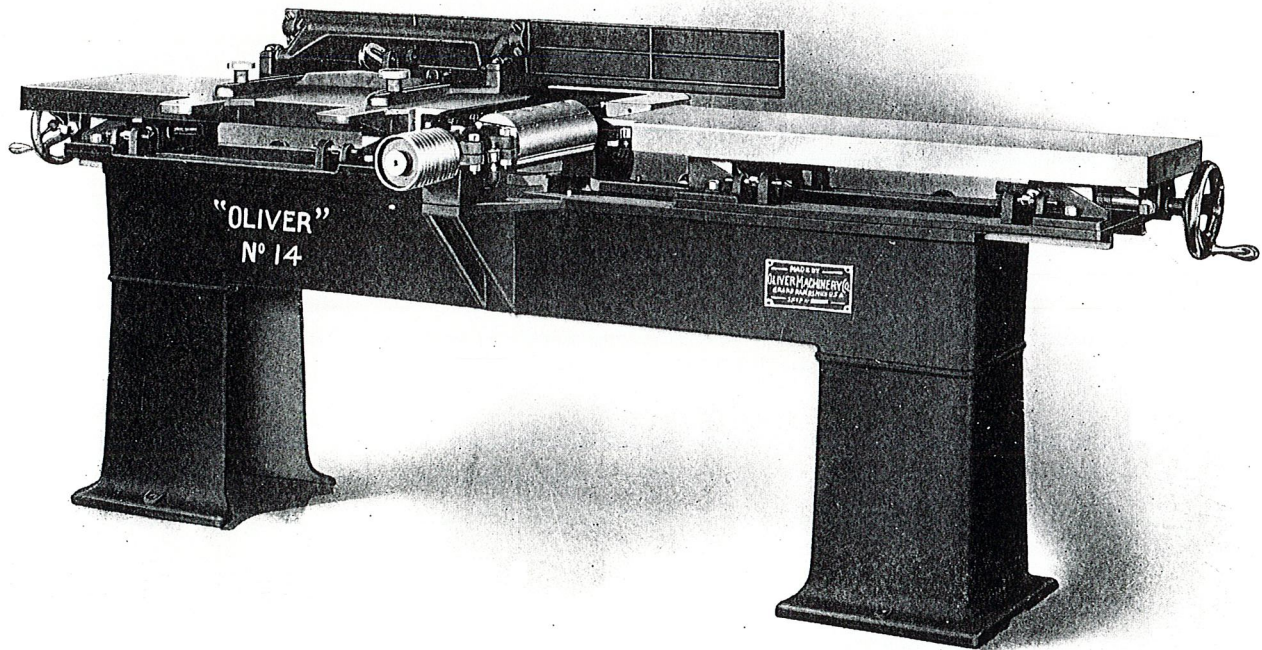


No. 14
"Oliver" Hand Planer and Jointer

OLIVER MACHINERY CO.
General Office and Works
GRAND RAPIDS, MICH., U. S. A.



"Oliver" No. 14 Hand Planer and Jointer.—Front view, showing Rabbeting Attachment.

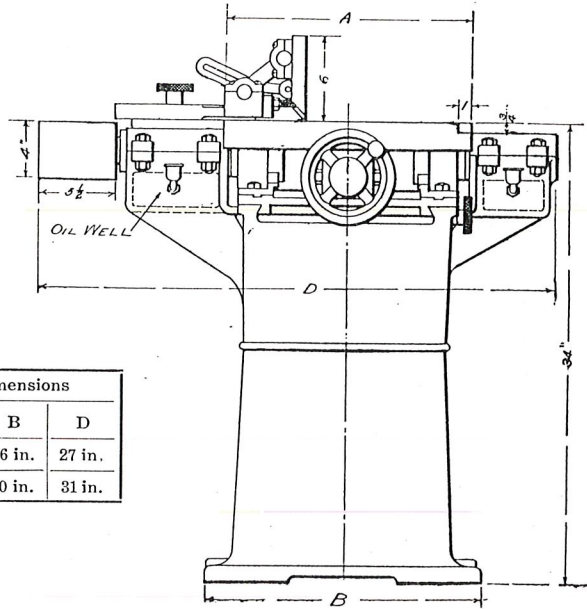


"Oliver" No. 14 Hand Planer and Jointer.—Rear view, with tables drawn apart showing Circular Safety Cylinder.

No. 14 "Oliver" Hand Planer and Jointer

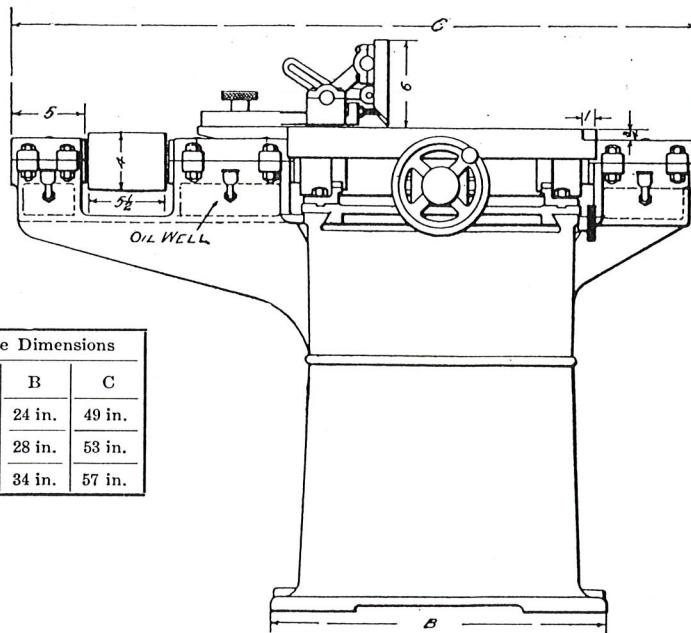
- Construction** This machine is constructed along lines that define all first-class metal working tools. We have designed it to meet the demand for one smaller than our No. 12. We have introduced a number of the important features of the large machine and have re-designed it to receive our Circular Safety Cylinder. It is strictly modern and a "Quality" Planer. It is made in five widths, viz.: 12", 16", 20", 24" and 30" wide.
- Bed** It is cast in cored form, deep and ribbed well, vibration is eliminated, and with the cabinet legs there is ample foot room. It is 86" long, 34" high and 9" deep.
- Tables** These are well ribbed, planed true, and are rigidly mounted on shoes bolted to the sliding ways that are dovetailed into the bed. The shoes are accurately tongued to the ways, and are provided with right and left hand adjusting screws for use in keeping tables in alignment. Each section of table is 42" long, and 2" wider than the width machine will plane. They draw away from the cylinder 18" and will drop to take a cut about $\frac{7}{8}$ " deep. Steel lips are fitted to them next to the cut, which may be removed and replaced when required.
- Cylinder** This is the Patent Circular Safety Cylinder made from a crucible steel forging, perfectly formed, properly balanced and fitted with a pair of thin air hardening steel knives. This cylinder saves hands from mutilation, cuts with less vibration, makes less noise and gives a better finish to the product. The adjustable chip breaker is of great value in producing fine results. The cylinder journals are $1\frac{3}{4}$ " diameter and the cylinder pulley is 4" diameter, $5\frac{1}{2}$ " face and should make 5000 revolutions per minute.
- Cylinder Bearings** These are cast to the main frame, are self-oiling and have linings of "Genuine" babbitt. The main bearing is 8" long and the front bearing is 6" long. An extra bearing 5" long is placed outside the pulley on the 20", 24" and 30" sizes.
- Rabbeting Attachment** An extension arm is bolted to the operating table for service in supporting the material when doing rabbeting.
- Fence** This is 48" long, 5" high and tilts to a bevel of 45 degrees. It is adjustable to the full width of the table.
- Counter-shaft** This is 42" long, $1\frac{1}{2}$ " diameter, with 14" hangers having wick-oiling bearings 6" long. The tight and loose pulleys are 10" diameter, 6" face, the loose pulley fitted with our self-oiling bronze bushings. Driving Pulley is 20" diameter, $5\frac{1}{2}$ " face. Speed 1000 revolutions per minute.

Code	No.	Width	Floor Space No. C. S.	Domestic Weight	Foreign Weight	Cubic Measurement
DIVORT	14 A	12"	84" x 15"	1400	1600	70
DOBY	14 B	16"	84" x 19"	1600	1800	84
DOCILE	14 C	20"	84" x 23"	1900	2100	122
DOCK	14 D	24"	84" x 27"	2250	2500	140
DOCKET	14 E	30"	84" x 33"	2700	3000	154



Variable Dimensions			
Planer	A	B	D
12 in.	14 in.	16 in.	27 in.
16 in.	18 in.	20 in.	31 in.

No. 14 "Oliver" Hand Planer and Jointer—
12" and 16" sizes.



Variable Dimensions		
Planer	B	C
20 in.	24 in.	49 in.
25 in.	28 in.	53 in.
30 in.	34 in.	57 in.

No. 14 "Oliver" Hand Planer and Jointer—
20" and 24" widths showing outside bearing to cylinder.