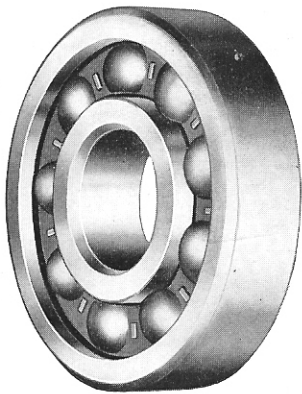


"QUALITY"



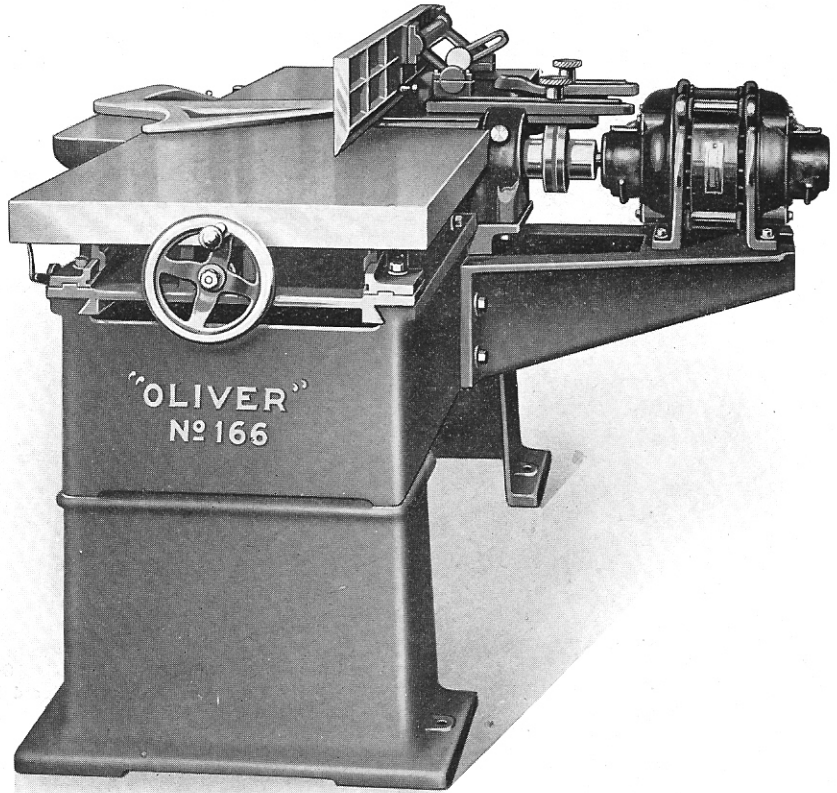
Ball Bearings of the highest grade are furnished for Cylinder Bearings of all "Oliver" Jointers.

"Oliver" No. 166

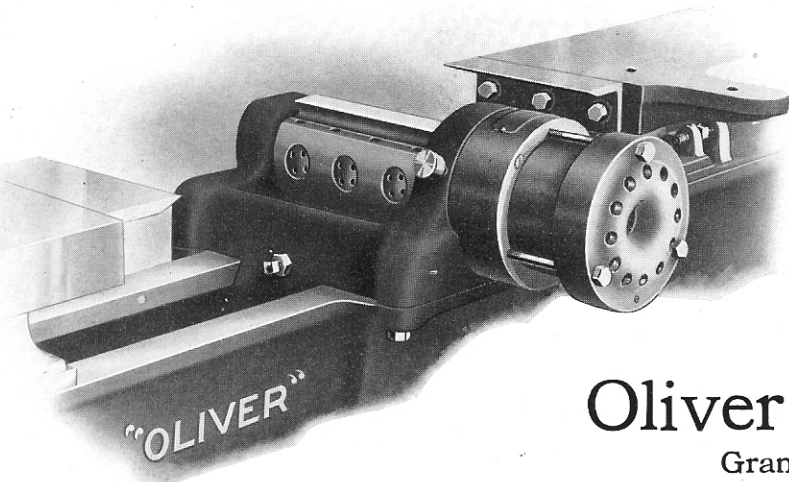
Ball Bearing

Hand Planer and Jointer

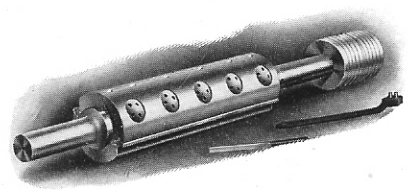
"The newest and most efficient Jointer on the market"



"Oliver" No. 166 Hand Planer and Jointer—Showing Direct Coupled Motor Drive



Shaftless Motor Drive. Motor Mounted Directly on End of Cylinder.



"Oliver" Circular Safety Cylinder. Regularly furnished with all "Oliver" Hand Planers and Jointers.

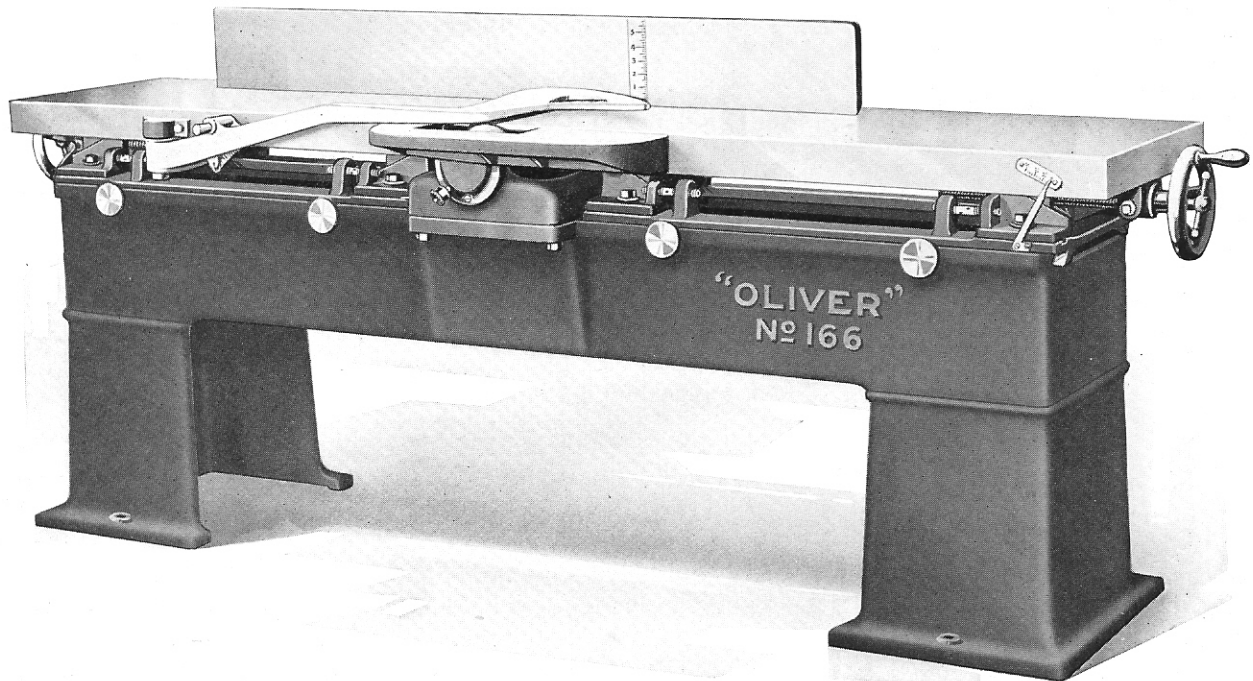
Manufactured By

Oliver Machinery Co.

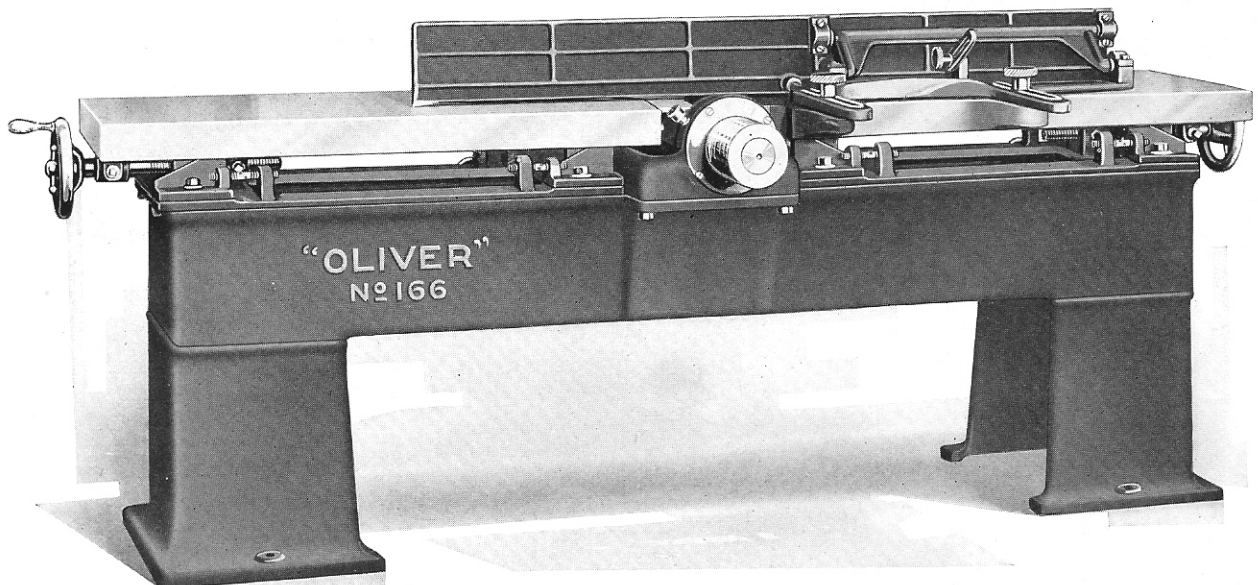
Grand Rapids, Mich., U. S. A.

BRANCH OFFICES:

New York Chicago St. Louis Minneapolis Los Angeles San Francisco
Seattle Salt Lake City Denver Manchester, Eng.



"OLIVER" No. 166 HAND PLANER AND JOINTER
Front View Showing "Oliver" Aluminum Automatic Guard Mounted in Place.

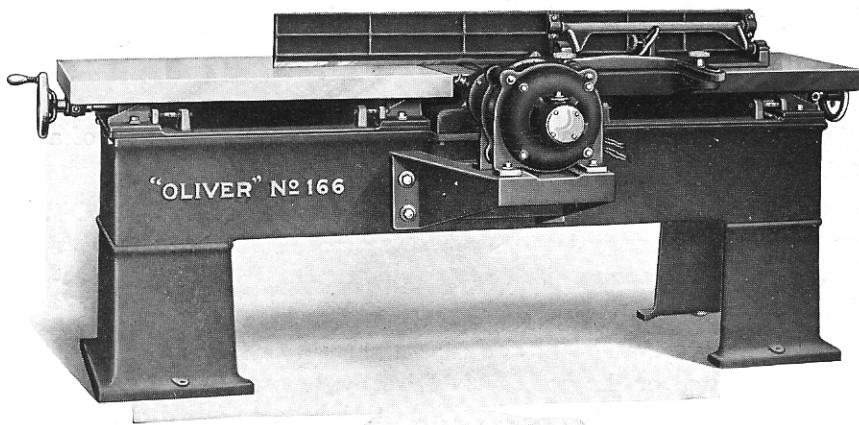


"OLIVER" No. 166 HAND PLANER AND JOINTER—Rear View Showing Fence on Brackets.
Note the Bridge Design of Bed with Column at the Ends assuring absolute rigid support as well as clear foot room and shavings space directly below the cylinder.

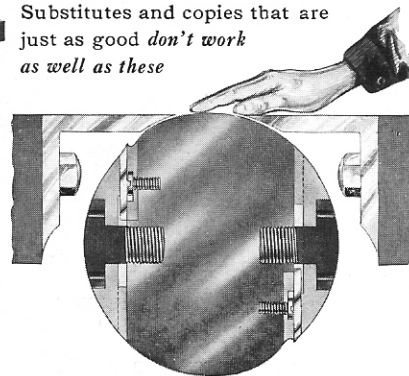
No. 166 "Oliver" Hand Planer and Jointer

BALL BEARING

- Capacity** Made in six widths, viz.: 9, 12, 16, 20, 24 and 30 inches wide, and tables permit of a cut up to $\frac{3}{4}$ -inch in depth.
- Construction** This machine is built along machine tool lines which is a characteristic of all "Oliver" precision tools. In it we have preserved the best features of our heavier machines and at the same time employed metal enough in the right places to absorb vibration and produce the most satisfactory results.
- Bed** This is heavy and strongly ribbed. The bridge design absolutely eliminates all vibration and allows ample foot room for the operator. Directly below the cylinder, there are two partitions cast in the bed directing shavings straight downward and providing easy connection to exhaust systems when desired.
- Tables** These are well ribbed, properly machined, draw filed and scraped true; also provided with conveniences for adjusting. Each table is fitted with steel lip next to the cutting cylinder, which may be removed and replaced at any time. This important feature avoids nicked edges to tables. Front table has scale and pointer showing depth of cut.
- Sliding Frames** These carry the table and move to and from the cylinder in dovetailed ways planed in the bed. They can readily be drawn away from cylinder 18 inches when sharpening or removing knives. The shoes are tongued and grooved to the sliding frame and securely bolted. They have wide bearing surfaces and control the correct plane of the tables.
- Cylinder** This is made of forged crucible steel and machine ground to a perfect running balance; of the circular "Safety" type, through the use of which danger of a serious injury to the hand is entirely eliminated giving operator a feeling of absolute safety. Regularly equipped with one pair of high speed, thin, steel knives; may be equipped with three or four knives if desired.
- Cylinder Bearings** The bearings are of the self-aligning, frictionless, ball type, which require but little attention and are very satisfactory.
- Fence** This is rigidly held in position and may be moved across the table its full width. It is made to bevel to any angle down to 45 degrees. The fence, when not in use, rests on extension brackets out of the way. Note especially that the fence on this jointer is mounted on the rear table. Has scale showing exact thickness of finished stock.
- Guard** An "Oliver" Aluminum Automatic Guard is regularly furnished with all "Oliver" Hand Planers and Jointers.
- Rabbeting Attachment** This device is furnished with each machine. It may easily be removed at any time and as it presents a wide supporting surface for stock being rabbeted it is preferred to the old style rabbeting groove in the receiving table.
- Countershaft** This is made of steel and revolves in self-oiling bearings and carries the driving pulleys and one pair of tight and loose pulleys. The loose pulley is fitted with loose bronze sleeve doubling its wearing qualities and it may revolve around the outer periphery of the sleeve or both pulley and sleeve may revolve on the shaft. Suitable shifter fingers and drip cups are provided.
- Motor Drive** Various methods of motor driving may be employed, information regarding which will be supplied upon request.



Substitutes and copies that are just as good *don't work as well as these*



"OLIVER" No. 166 HAND PLANER AND JOINTER
Showing Rear View of Direct Coupled Motor Driven Machine. Note the Bridge Design of Bed with Columns at the Ends assuring absolute rigid support as well as clear foot room and shavings space directly below the cylinder.

"Oliver" Circular Safety Cylinder furnished on all "Oliver" Jointers is the original Circular Safety Cylinder fully covered by Patents.

GENERAL DIMENSIONS

- Bed** 78 inches long, 32 inches high, 9 inches deep, width according to size of machine.
- Tables** Each section 42 inches long, and in width 2 inches more than machine will plane. Draw away from cylinder 18 inches either end. Vertical adjustment, $\frac{3}{4}$ -inch. Throat between tables, $1\frac{3}{8}$ inches wide.
- Cylinder** "Oliver" Circular Safety Cylinder type fitted with self-aligning frictionless ball bearings. Cutting diameter 5 inches, pulley $4\frac{1}{2}$ inches diameter, 4-inch face for 9-inch size, 5-inch face for 12-inch and 16-inch sizes, $5\frac{1}{2}$ -inch face for 20-inch and 24-inch sizes. Speed 4500 R. P. M.
- Rabbeting Arm** 20 inches long and 5 inches wide.
- Fence** Length 54 inches, width 6 inches, bevels 45 degrees. Permits full width of table to be used.
- Countershaft** Tight and loose pulleys 10 inches diameter, 5-inch face, driving pulleys 18 inches diameter, 5-inch face, speed 1125 R. P. M.
- Horse Power** $1\frac{1}{2}$, 2, 3 or 5, according to width and character of work.

CODE, WEIGHT, ETC.

Code	Machine No.	Crated Weight	Boxed Weight	Measurement in Cubic Feet
Disno	166-A to plane 9 inches wide.....	1575	1675	50
Divan	166-B to plane 12 inches wide.....	1700	1975	58
Dobet	166-C to plane 16 inches wide.....	1800	2100	70
Docel	166-D to plane 20 inches wide.....	2300	2400	79
Docet	166-E to plane 24 inches wide.....	2500	2650	88
Doceu	166-F to plane 30 inches wide.....	3200	3400	110