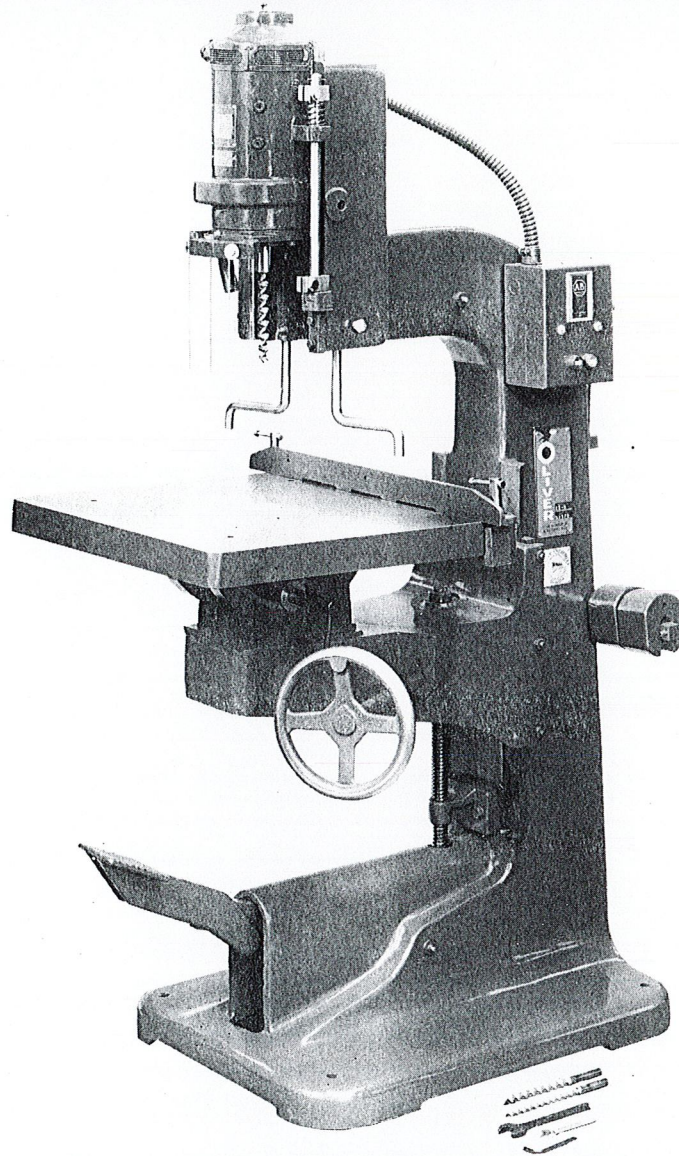




No. 72

Motor-in-Head Vertical
SINGLE SPINDLE BORER



OLIVER

OLIVER MACHINERY COMPANY, GRAND RAPIDS, MICH. 49504

CAPACITY

This machine will bore holes up to 2 inches in diameter, any depth up to 6 inches, in the center of 36-inch stock. The table is easily adjusted 12 inches in a vertical direction. The spindle has a maximum stroke of 6½ inches. ½ inch hole in spindle.

COLUMN

Is cast of semi-steel with heavy box-like section throughout. The base is of ample proportion and is carefully machined. Cast integral with this base is a guard which protects the foot control lever and also acts as a chip deflector. In the upright hollow section of this column is the rocker arm mechanism which controls the movement of the head. The connecting rod passes through a large, powerful spiral steel compression spring which has an adjustable tension.

TABLE

Table — 24" x 24" cast iron, mounted on support arm which mounts on gibbed ways on the front of the main column. Vertical adjustment of 12" by handwheel and screw.

FENCE

Is constructed of semi-steel angle section 24 inches long and extends 2½ inches up from the table. Two large hand clamp knobs allow the fence to be clamped in any position. Holes are drilled for the purpose of attaching wood guides or special work.

BORING HEAD

The spindle to which the bits are attached has a speed of 1800 r.p.m., the vertical movement of 6½ inches is controlled by the foot lever. This head moves in gibbed ways which insure correct sliding fit. Located on the right side of this head is an automatic stop for stroke regulation of the head unit.

SPECIFICATIONS

CAPACITY — Bore holes up to 2" diameter (5.08 cm)
Bore holes up to 6" in depth (15.24 cm)
Bore holes to center of 36" stock (91.44 cm)
MOTOR — 2 H.P., 1800 r.p.m. Direct drive
TABLE — 24" x 24" — Non-tilting (60.96 x 60.96 cm)
Vertical adjustment 12" (30.48 cm)

STANDARD EQUIPMENT

2 H.P., 1800 r.p.m. motor
Magnetic control
Fence mounted on table
Two hold-down fingers
3 - 6" twist boring bits: one each ⅜", ½" and ¾" diameter

OPTIONAL EQUIPMENT

Tilting table 45° to operator and 10° to column
Tilting and swiveling table, swivels 360°
2-speed motor 4 and 2 H.P., 3600 and 1800 r.p.m.
5 H.P., 3600 r.p.m. motor including hand brake
3 H.P., 1800 r.p.m. motor including hand brake
No. 2 Morse taper in spindle in place of ½" straight bore

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