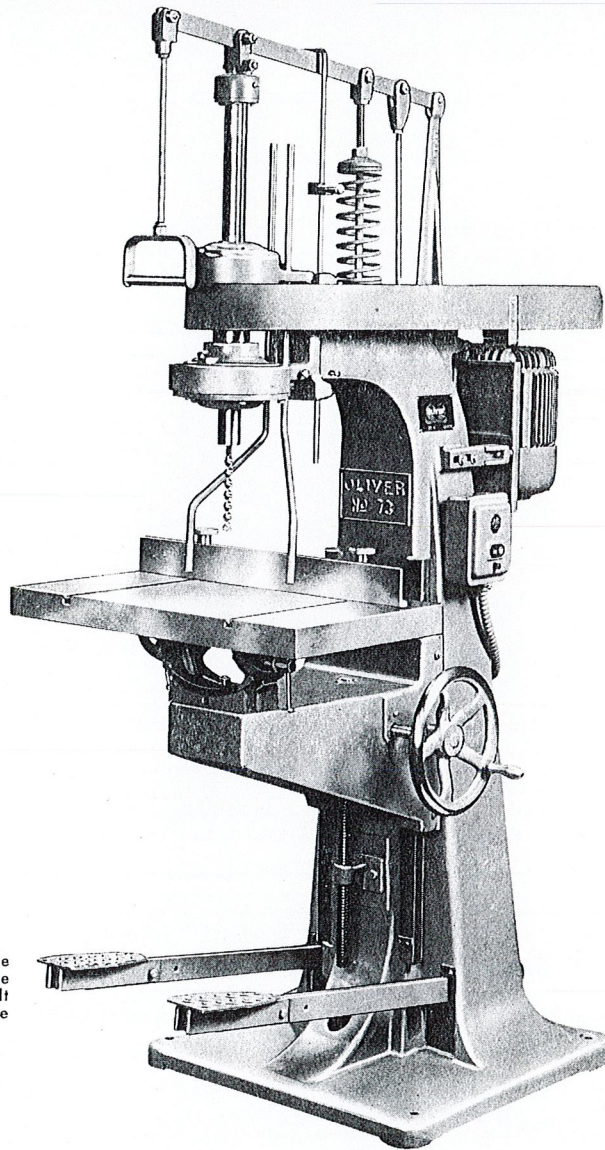




No. 73 VERTICAL BORER



"Oliver" No. 73-T Single Spindle Borer with single speed motor and Y-belt drive to spindle. Spindle speed: 3000 r.p.m.

OLIVER

OLIVER MACHINERY COMPANY, GRAND RAPIDS, MICH. 49504

Powerful and accurate . . .

bores holes up to 3" diameter, 12" deep

The "Oliver" No. 73 Borer readily bores holes up to 3" diameter to a depth of 12" and to the center of 36". Bits over 2" in diameter should not run over 1000 r.p.m.

COLUMN

This Borer has a heavy one-piece, core type column with wide ways for the knee. The floor base measures 30"x 30". The head units bolt directly on neck of column.

TABLE

Borer has table 18" wide and 30" long with a vertical adjustment of 17" by handwheel and screw. Table tilts 40 degrees to and from the column, and 15 degrees right and left. Rockers are accurately graduated to indicate angle of tilt. The table has T-slots to receive fence bolts. The fence is 28" long, 3" high. It is made of heavy cast iron, accurately machined and well ribbed.

BORING SPINDLE

The boring spindle is made of alloy steel and is carried in a large combination sleeve and pulley. The sleeve runs on extra large ball bearings and is driven by V-belts. More than one spindle speed is obtained with a 2- or 4-speed, totally enclosed fan cooled motor or Lima motor and transmission unit. V-belts are used to give a smooth, quiet drive to the spindle. The spindle is regularly furnished with a 1/2" diameter straight hole for bits but it can be made with No. 2, 3 or 4 Morse taper hole at slight extra cost if so ordered.

OPERATING MECHANISM

A long, adjustable spring withdraws the spindle from the work. The long pull lever over spindle is fitted with quick and adjustable stops operating in both up and down strokes. Two hold-down rods are provided to prevent stock from lifting under cut.

GUARD

The V-belts are entirely covered by a heavy welded steel guard designed that the belts may be put on or taken off with a minimum effort.

MOTOR DRIVE

A substantial hinge-type mounting supports the vertical motor. An automatic spring tension keeps the belt at uniform tension under load. The motor is 3 or 5 h.p. single or multi-speed. Also furnished with Lima single speed motor with 4-speed transmission to give slower spindle speeds than can be obtained with multi-speed motors. Hash push button magnetic control.

EQUIPMENT

Machine is equipped with one fence having two clamps, and one each boring bit—1/2", 5/8" and 3/4" diameter, all with 6" twist. Also necessary wrenches and tools.

BORES TIMBERS 12" x 12"

The Borer can be arranged with solid extra heavy non-tilting table, size 18 1/2" by 40 1/2", having a capacity under the spindle of 25". We can also furnish our No. 94-T All-Steel Tables, each section being 8' long equipped with four ball bearing metal rollers.

SPECIFICATIONS

CAPACITY

- Up to 3" diameter holes (7.62 cm)
- Depth of bore 12" (30.48 cm)
- To the center of 36" wide piece (91.44 cm)

TABLE

- 18" wide, 30" long (45.72 cm x 76.20 cm)
- Vertical adjustment 17" (43.18 cm)
- Tilts 40 degrees to and from column
- Tilts 15 degrees to right or left
- Fence 28" long, 3" high (71.12 cm x 7.62 cm)

MOTOR DRIVE

- 3 HP 1800 R.P.M., T.E.F.C. 3/60/230-460
- Spindle speed 3000 R.P.M.
- Multiple Vee belt

MOTOR DRIVE (Optional)

- 5 HP 1800 R.P.M., T.E.F.C.
- 3 HP Lima motor with 4-speed transmission
- Spindle speeds 450, 610, 1020, 1900
- 5 HP Lima motor with 4-speed transmission
- Spindle speeds 450, 610, 1020, 1900

(Specifications are subject to change without notice.)

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