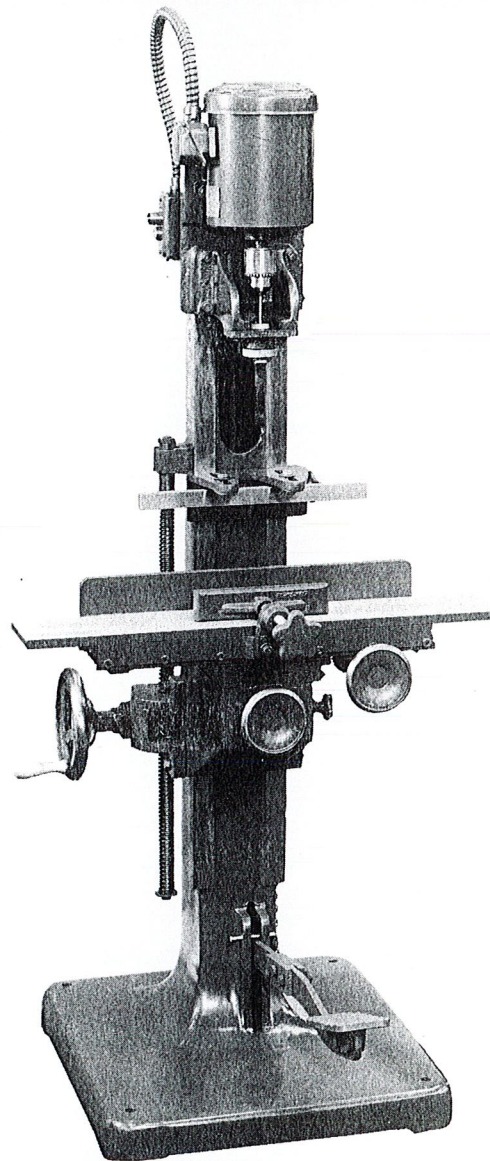




No. 194 MORTISER



The "Oliver" No. 194 Mortiser has a sturdy, well proportioned frame. The column and base are cast integral. For convenience and accessibility, all operating parts and adjustments are located in front of machine.

CAPACITY

The table can be lowered by means of a handwheel and screw, to permit mortising in the edge of stock up to 20" wide when using the table. The table knee, with the table attached, can be removed from the machine in five minutes. With the table removed the machine will mortise in the end of stock up to 32" wide. Chisel has maximum vertical travel of 3 $\frac{3}{8}$ ". Distance from end of chisel to table is 20" maximum; center of chisel to fence, maximum 4". Takes chisels up to $\frac{1}{2}$ " square.

SLIDE UNITS

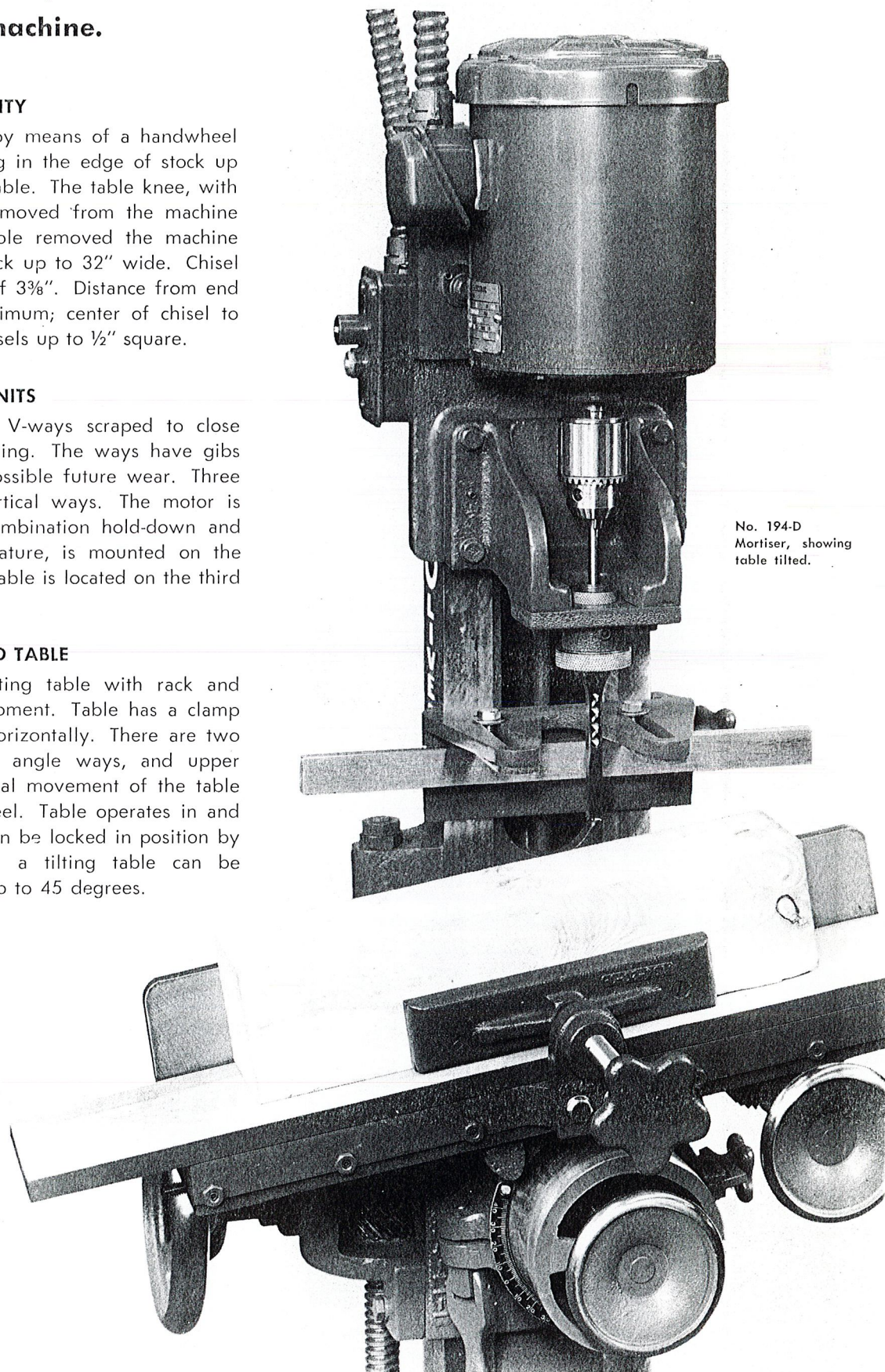
The motor head slides on V-ways scraped to close tolerances, after accurate planing. The ways have gibs with set screws to take up possible future wear. Three slides are located on the vertical ways. The motor is carried on one slide. The combination hold-down and top back fence, a unique feature, is mounted on the second slide. The compound table is located on the third slide.

COMPOUND TABLE

The 28" compound non-tilting table with rack and pinion feeds is standard equipment. Table has a clamp to hold stock. It travels 9" horizontally. There are two table plates — lower one has angle ways, and upper one is dovetailed to fit. Lateral movement of the table is operated by large handwheel. Table operates in and out upon tubular knee, and can be locked in position by attached wrench. If desired a tilting table can be furnished to tilt right or left up to 45 degrees.

MOTOR

The motor consists of a 1 H.P. vertical ball bearing single phase, 60 cycle, 115/230 volt, or a three phase 60 cycle, 230/460 volt motor. The motor is equipped with thrust ball bearing to handle thrust of the bit. A magnetic control is normally supplied.



No. 194-D
Mortiser, showing
table tilted.

COMBINATION HOLD-DOWN AND TOP BACK FENCE

The hold-down is mounted on a saddle running on the column ways. It can be quickly adjusted to desired position. The top back fence is of a special design for fast setting of work. It can be instantly adjusted to align perfectly with back fence of the table. It also provides a solid back support at the top of every rail mortised, regardless of width, producing a perfectly true mortise.

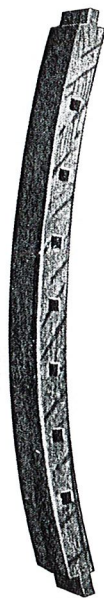
TREADLE

The treadle, spring and pull rod are arranged so that maximum fulcrum power is obtained, making treadle operation very light. This mechanism is a unique feature of the machine. It is quicker acting than counterbalanced types as there is less inertia to overcome. Lever can be folded out of the way when not in use. The pull rod and spring are inside of the column but instantly accessible to regulate tension, with tension nut on top of the column.

PORTABILITY AND SPACE

The No. 194 Mortiser takes 21" x 24" space on the floor, or 37" x 35" over all, and is easily moved about. You can take it to the stock, or even to the job. Can be furnished for use on either light or power current.

Below are shown a few samples of work indicating that this mortiser really covers an extensive range of mortising. One look at this machine will convince you.



In Chair
Work



For Sash and
Door Plants



In Furniture
Factories

ADJUSTMENTS

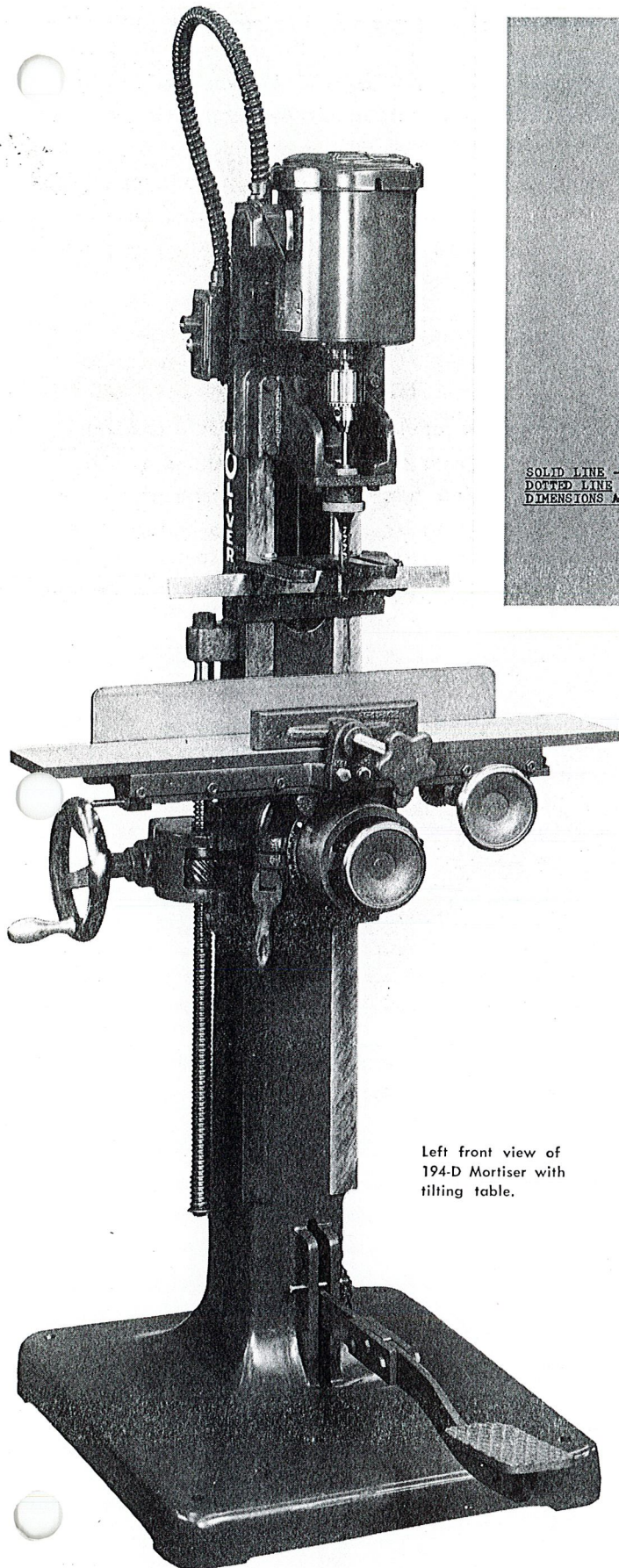
Motor head and table are both quickly adjusted. You can change from one job to another rapidly. The table can be adjusted vertically 20" by handwheel and screw. The correct position of the table for the job is quickly obtained. Adjustment of the motor slide for depth of mortise is made by nut at the top of the column. This adjustment should be made after the foot lever is brought to its lowest position, giving a positive stop for the bottom of the mortise.

EQUIPMENT

This mortiser is regularly furnished with a compound non-tilting table, with clamp to hold stock, combination hold-down, top back fence, Jacobs adjustable chuck for holding the mortising bit, one $\frac{3}{8}$ " square hollow chisel with bit, bit bushing, and a 1 H.P. 3600 R.P.M. electric motor and magnetic control.

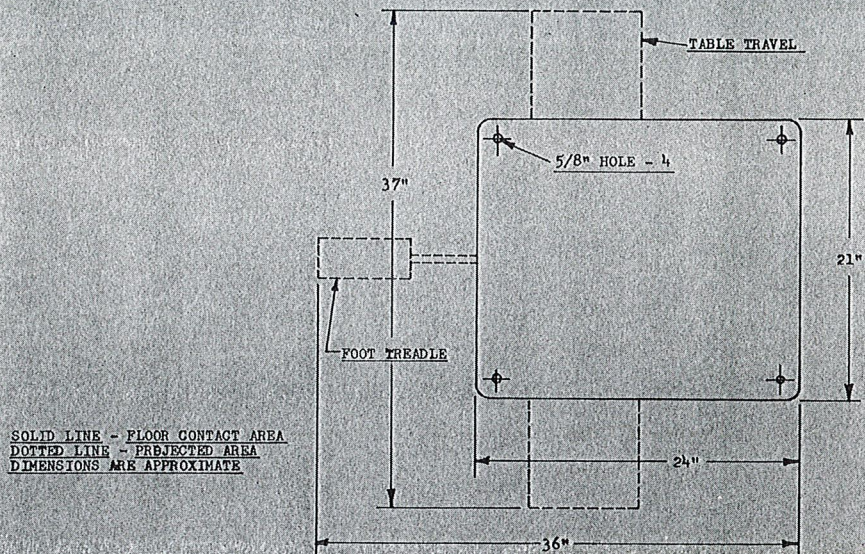
ADDITIONAL DATA

Size of hole for chisel shank $\frac{5}{8}$ ". Speed of boring bit in chisel, 3450 R.P.M. Height of machine, maximum, 66". End of spindle to table, 28" maximum.



Left front view of
194-D Mortiser with
tilting table.

FLOOR PLAN



CRATED WEIGHT 675 LBS

STANDARD EQUIPMENT

- 1 H.P., 3600 RPM, T.E.F.C. motor
- Magnetic control
- 3/8" square chisel and bit
- Table clamp

OPTIONAL EXTRAS

- Tilting Table, for tilting to 45 degrees right or left, in place of non-tilting compound table.
- Six foot stop rod with four stops.
- Blower for 1 H.P. motor.
- Manual control, in place of regular.

(All specifications are subject to change without notice.)

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