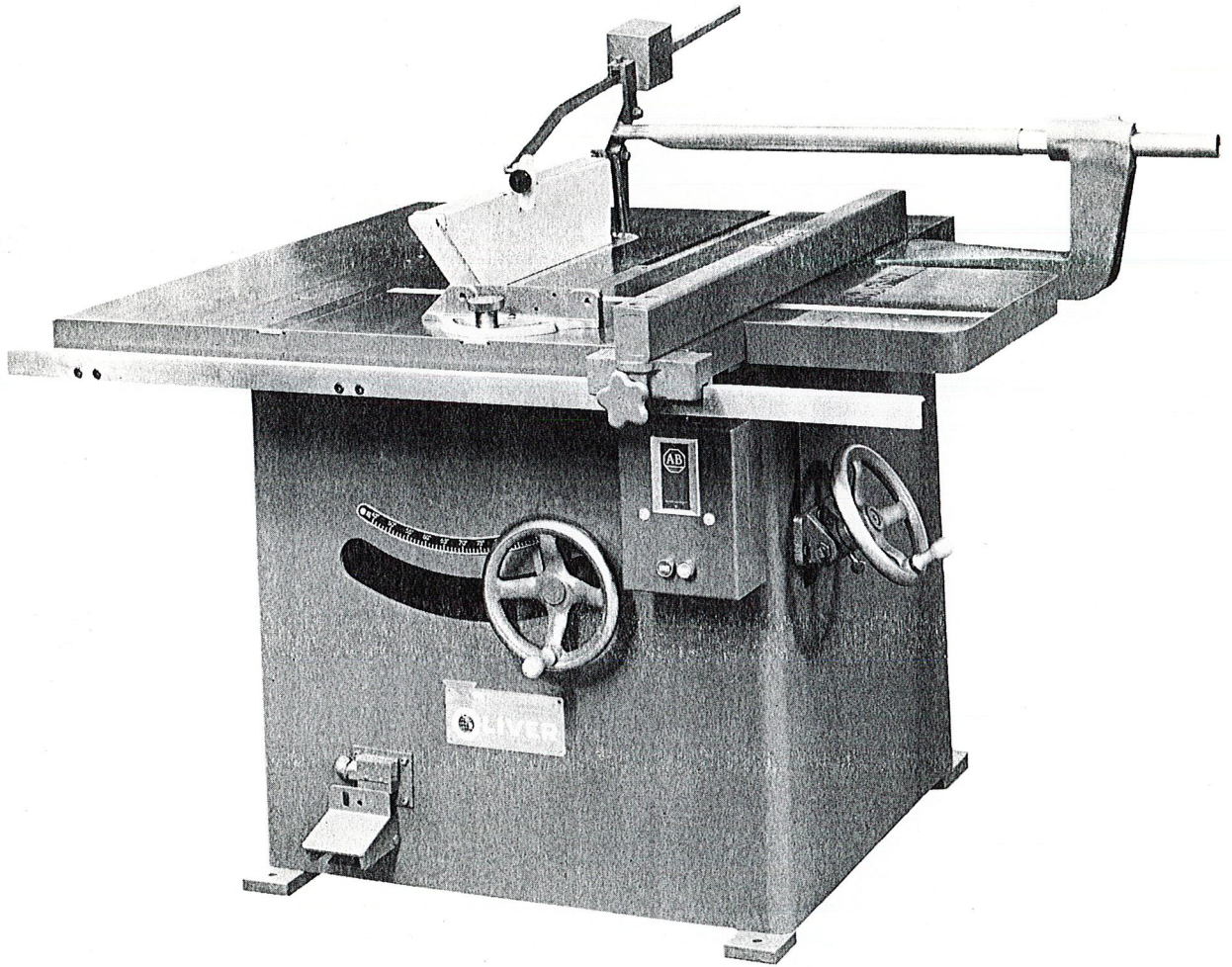


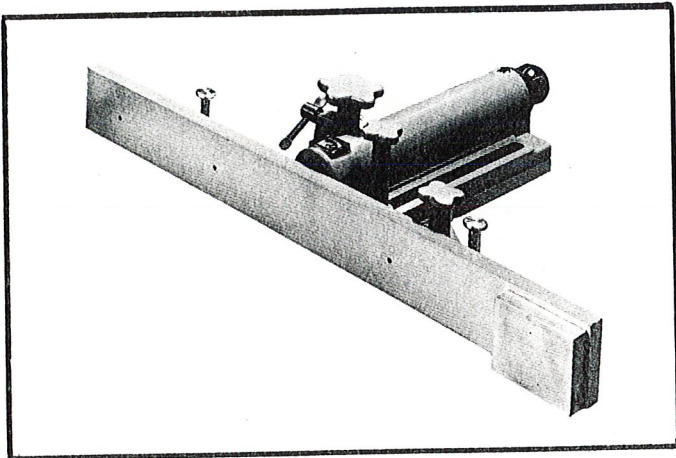


No. 2003 TILTING ARBOR SAW



OLIVER

OLIVER MACHINERY COMPANY, GRAND RAPIDS, MICH. 49504



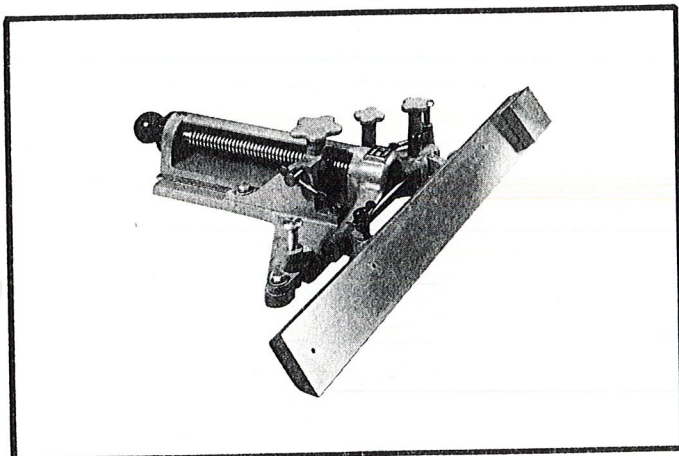
Type J non-tilting Ripping Fence with micrometer adjustment.

APPLICATION

The Oliver No. 2003 Saw Bench meets the demand for a medium size, accurate, tilting arbor saw bench. It cuts a perfect miter, cuts off to length, rips to width, and dados efficiently. The operator does not have to use a rule to check dimensions, as the gauges and table are accurately graduated, saving considerable operating time.

CAPACITY

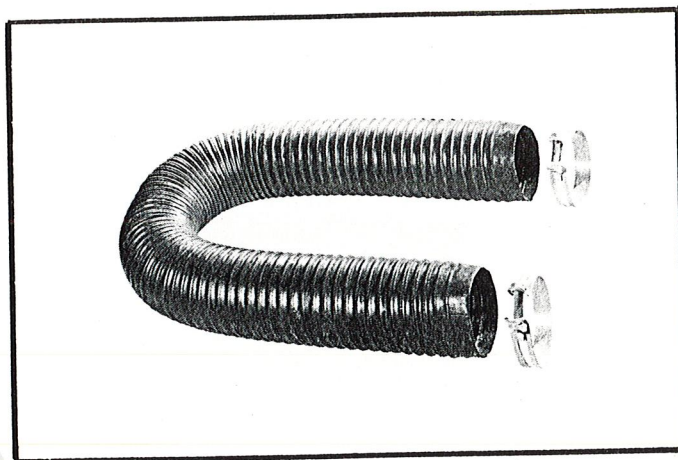
A 14-inch diameter saw projects 3 inches through the table. Machine takes saws up to 16 inches diameter. With type G plain double-faced ripping fence it rips stock up to 17 inches wide to left of saw, and up to 34 inches wide to right of saw. With type J fence having micrometer adjustment it rips stock up to $30\frac{1}{8}$ inches wide to right of saw. With type H fence it rips stock up to $28\frac{3}{8}$ inches. It cross-cuts up to 16 inches wide by 3 inches thick.



Type H Tilting Ripping Fence with micrometer adjustment.

STANDARD EQUIPMENT

- 3 H.P., 3600 RPM, TEFC motor
- Magnetic control
- 14" combination saw blade
- Type G Ripping fence
- Automatic saw guard with anti-kickbacks
- Separately mounted splitter for saw blade
- No. 2 Cross-cut gauge
- Table fill-in strip
- Mechanical foot brake



Exhaust Connection with 6' section of 5" flexible tubing, including two hose clamps.

OPTIONAL EQUIPMENT

- 5 H.P., 3600 RPM, TEFC motor
- 22" extra ripping capacity
- Type H tilting ripping fence with micrometer adjustment
- Type J non-tilting ripping fence with micrometer adjustment
- Exhaust connection with 6' section of 5" diameter hose, including two hose clamps
- $2\frac{1}{4}$ " capacity dado sleeve with 6 collars
- No. 80-62 connector for gauges
- 16" diameter saw blade

No. 2003 TILTING ARBOR SAW

ADVANTAGES

1. Saw arbor tilts, table remains horizontal for greater capacity, efficiency and safety.
2. Heavy, rigid base for perfect alignment and smooth operation.
3. Four-point floor bearing for quiet operation and permanent alignment.
4. Large swing segments assure easy tilting of saw.
5. Finest ball bearings — less friction and longer life.
6. Built-in sawdust outlet operates with or without exhaust.
7. Completely wired, ready for use.
8. Perfectly guarded for utmost safety.

MOTOR HEAD

The No. 2003 Saw Bench is regularly equipped with a 3 h.p., 3600 r.p.m. 3 phase, 60 cycle, 230/460 volt motor. It is totally enclosed, fan-cooled, ball bearing. It tilts up to 45 degrees by a handwheel and screw arrangement. The motor is raised and lowered in dovetailed gibbed ways by a handwheel and spiral gears. Has door-covered chamber for sawdust. A 5 h.p. motor can be furnished when so ordered.

TABLE

The table is $33\frac{3}{4}$ inches above the floor, $44\frac{1}{2}$ inches long, 40 inches wide, with an extension table 13 inches wide. Table is fitted with T-slots for the gauge and metal throat plate.

BASE

The base is heavy fabricated steel $30'' \times 33\frac{3}{4}''$ at the base, with four-point floor bearing. It carries the yoke in two large finished segments for tilting from 90 to 45 degrees.

BRAKE

A foot operated mechanical brake of advanced design, operated from front of machine, brings the saw to a quick stop and shuts off the motor at the same time.

RIPPING FENCE

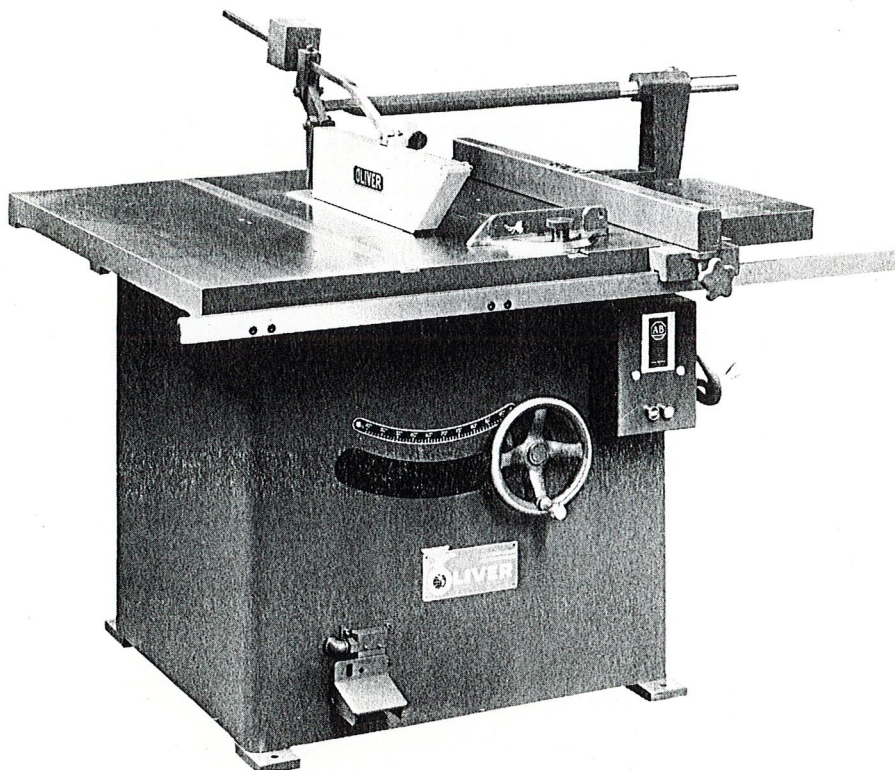
Three types of fences can be furnished. A plain double-faced ripping fence (type G) is $36\frac{1}{2}$ inches long, 3 inches high. A universal fence (type J) is 27 inches long, 3 inches wide, with handwheel and screw quick adjusting slide and micrometer adjustment for extremely accurate work. Type H universal fence is the same as type J except the face plate on the type H tilts down to 45 degrees.

SAW ARBOR

The motor shaft and saw arbor are one unit. The shaft is 1-inch diameter where saw is applied. It is made of extra tough crucible steel, accurately ground, and mounted in precision ball bearings. The saw collars are $5\frac{3}{4}$ -inch diameter. Dado heads up to 1-inch wide can be used on regular arbor where the saw is applied.

ELECTRIC CONTROL

Machine is equipped with a magnetic control providing overload and low voltage protection. Start and stop buttons are mounted in the control cover, convenient to the operator.



SAFETY GUARD

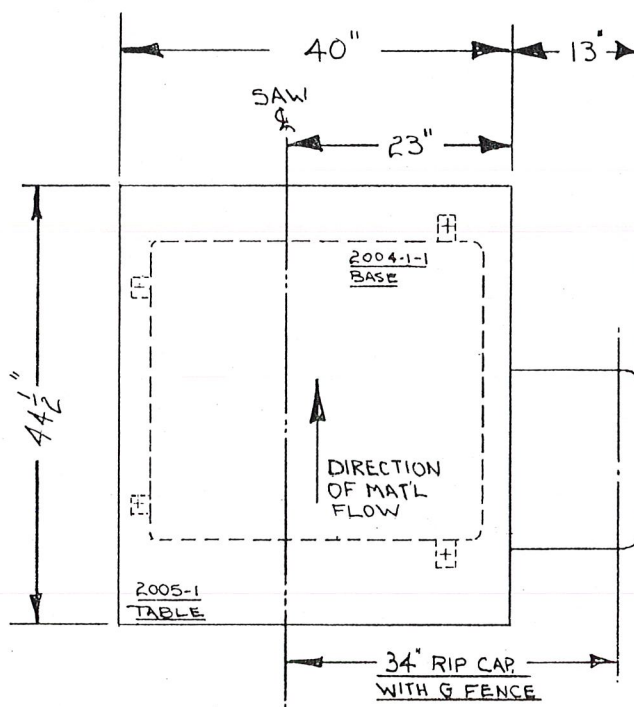
A unique guard gives full protection from saw blade at all positions of the saw. The guard is pivoted in the center, lifts the forepart upon the introduction of the board, rides flat as the board progresses, and finally, as the board passes the center of gravity of the guard, the front of the saw is covered, giving maximum protection. Anti-kick-back dogs operate on either side of the saw. To guard a tilted saw is difficult, but is accomplished on this saw bench by making the right side of the guard a hinged part which can be opened to cover the blade even at the 45 degree angle. As the table remains horizontal

and the left side of the guard is in direct contact with the board, the action of the guard in operation is identical with the normally closed guard. The guard can be adjusted for tilting without the hands coming near the saw blade.

SPLITTER

A steel splitter is furnished which is mounted directly on the motor housing behind the saw blade. This splitter is an important safety feature. The splitter is completely independent from the "over-the-table" guard.

SOLID LINE — FLOOR CONTACT AREA
DOTTED LINE — TABLE OUTLINE **DIMENSIONS ARE APPROXIMATE**



SPECIFICATIONS

Table — 40 inches by 44½ inches
 Table Extension — 13 inches wide
 Table Height — 33¾ inches
 Ripping Capacity — 34" with type G fence
 30⅞" with type J fence
 28¾" with type H fence
 Cut off capacity in front of saw blade — 16" wide by
 3" thick
 14" saw blade projects 3" thru table

16" saw blade projects 4" thru table
 Dado capacity on saw arbor is 1"
 Dado capacity with dado sleeve 2¼"
 Motor — 3 H.P., 3600 RPM, Direct drive, TEFC
 Diameter of arbor where blade mounts 1"
 Saw tilts to 45 degrees
 Magnetic control giving overload and low voltage
 protection
 Crated shipping weight 1700 lbs.

(Specifications are subject to change without notice.)

OLIVER MACHINERY COMPANY, GRAND RAPIDS, MICH. 49504