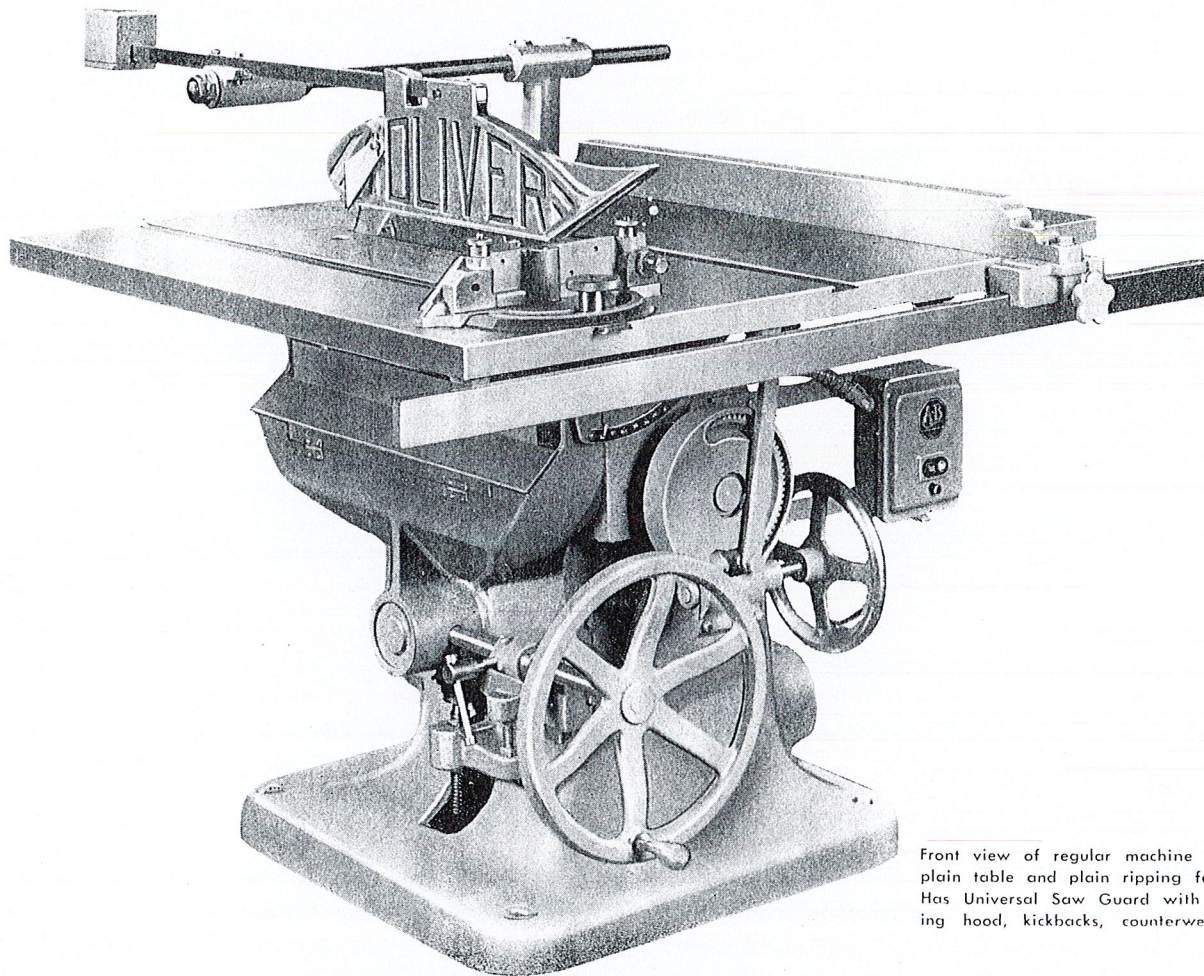


OLIVER

No. 80

VARIETY SAW BENCH



Front view of regular machine with plain table and plain ripping fence. Has Universal Saw Guard with lifting hood, kickbacks, counterweight.



OLIVER MACHINERY COMPANY, GRAND RAPIDS 2, MICHIGAN, U.S.A.

Tilting Table Saw Bench gives hairline mitering

CAPACITY

Will rip to 23 inches wide and cut off 36 inches wide by the use of universal ripping table; will rip 27 inches wide and cut off 15 inches wide by the use of plain table; will cut up to 3 inches thick with 14-inch diameter saw or 4 inches thick with 16-inch diameter saw. Will dado up to 3 inches wide and carry saws up to 18-inch diameter. With mortising and boring attachment will bore holes 6 inches deep up to 2-inch diameter, will mortise holes up to 3/4-inch square 4 inches deep.

FRAME

The frame is of box form, one-piece casting, having broad base and rigid construction. The slide ways are of long and deep section.

The sawdust chute is cast as part of the frame and runs through the center of the frame and discharges the dust to the right hand side of machine entirely out of the way of the operator.

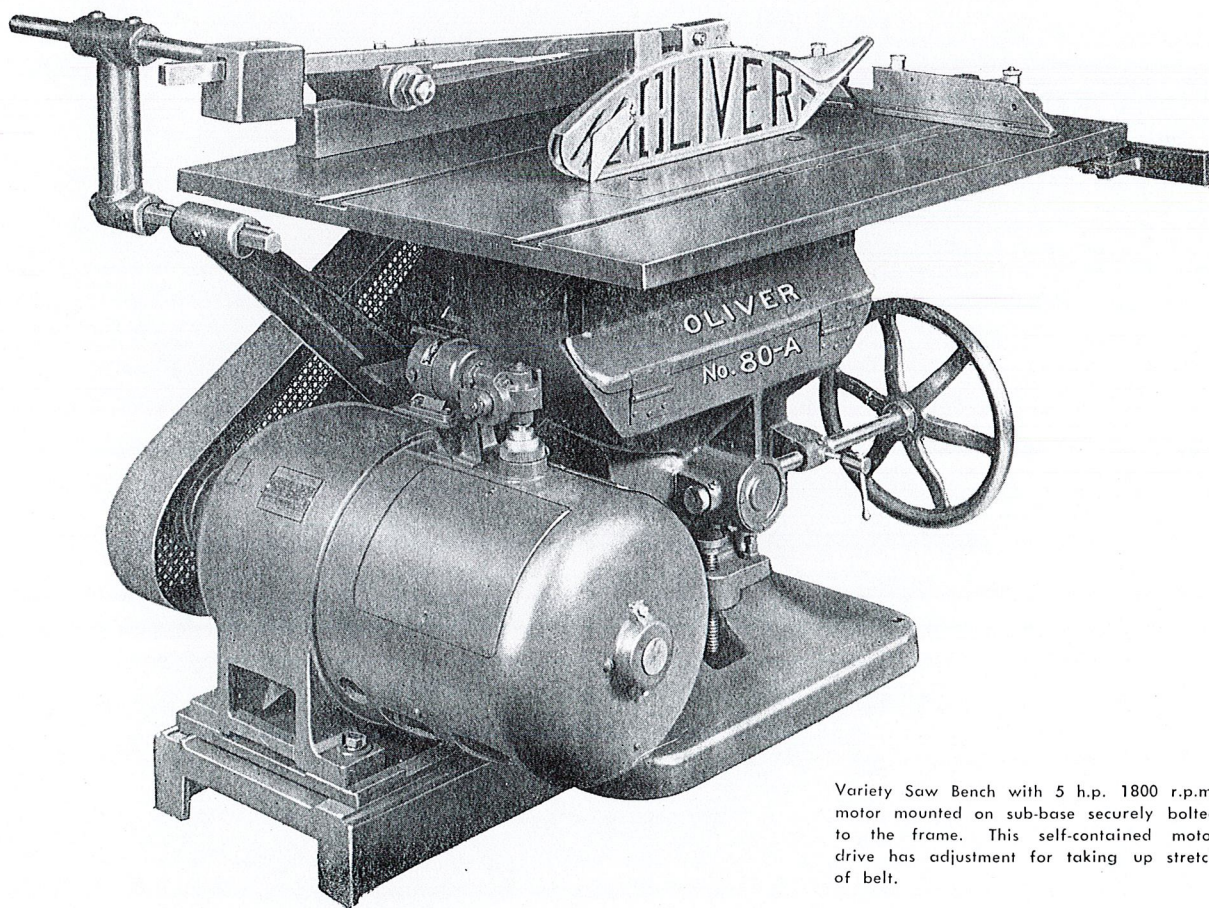
TABLE

Has deep ribbed construction, planed true and scraped. Is 36 x 44 inches in size; tilts 45 degrees to the left, has 4-inch vertical adjustment, height 32 inches at lowest position, 36 inches at highest position. Two kinds of tables may be furnished—plain or universal. The latter has a 17-inch rolling section to the left of saw, which rolls on ball bearing ways having vertical adjustment for alignment and for wear. The rolling table may be moved 4 inches

from saw, permitting the use of dado saws and special heads. The rolling table permits doing accurate cross-cutting, mitering and grooving.

TABLE YOKE

The yoke which carries the table is of very rigid construction, riding on gibbed dovetailed ways of the frame, which measure 14 inches across the gibs, 21 inches high, 1 1/4 inches deep, 2-inch face, assuring a steady rigid support of the table. Yoke moves 4 inches vertically by means of a self-locking arrangement consisting of a large hand wheel (15 inches diameter), spiral gears, and adjusting screw with ball bearing thrust. A positive clamp securely holds the table for special work.



Variety Saw Bench with 5 h.p. 1800 r.p.m. motor mounted on sub-base securely bolted to the frame. This self-contained motor drive has adjustment for taking up stretch of belt.

OLIVER

No. 80 VARIETY SAW BENCH

View of Motor-on-Arbor Tilting Table Saw Bench. Finest ball bearings are used throughout the machine. Mortising attachment is furnished when ordered as an extra.

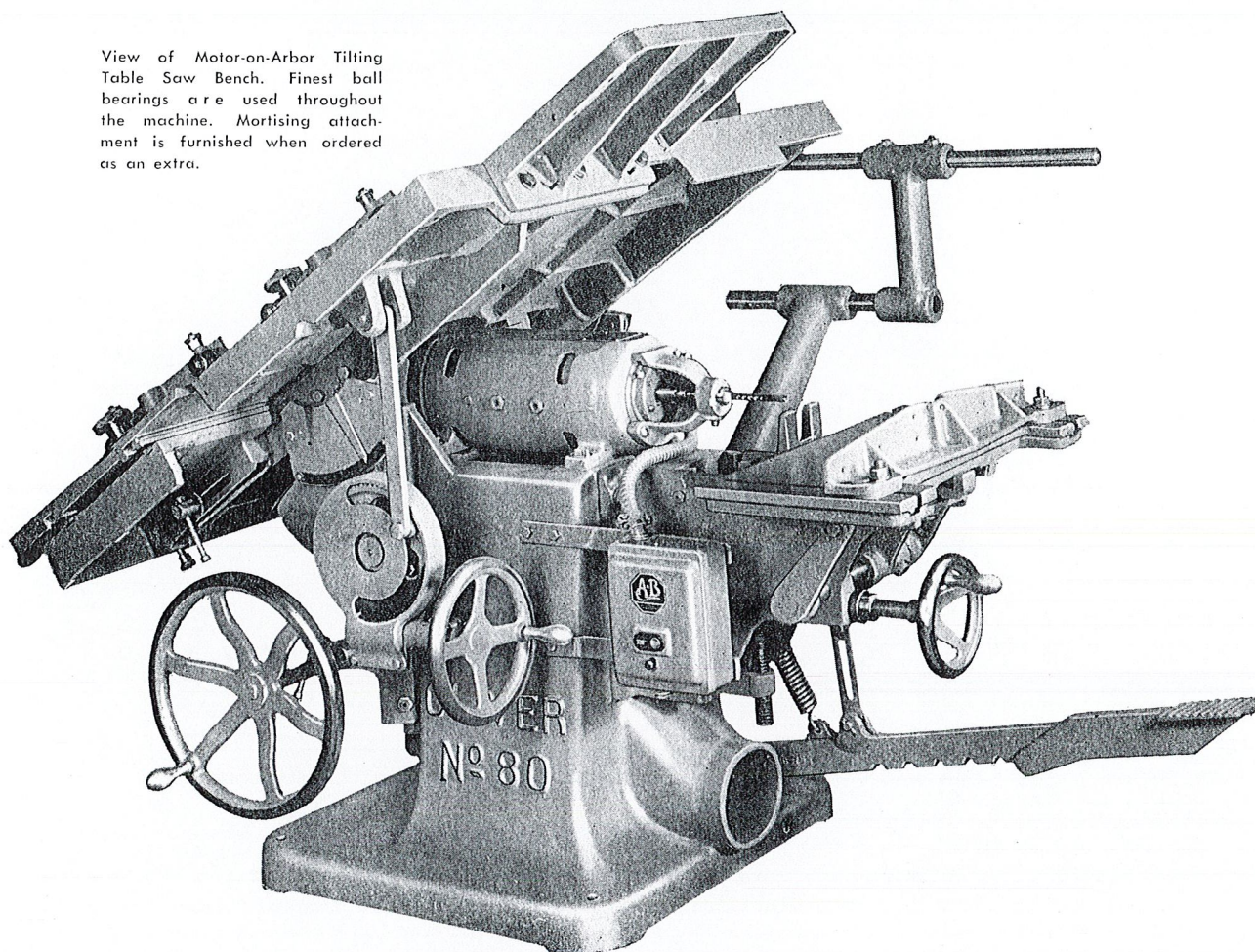


TABLE TILTING DEVICE

Consists of hand wheel, worm and gear device, attached to yoke with connecting link to table, making a positive arrangement with a clamp screw for clamping location for any tilted position.

SAW ARBOR

The arbor is 1-inch diameter where saw is applied; operates in ball bearings which are practically impervious to wear and run in a lubricating grease that prevents cutting. The arbor bearings are mounted in a one-piece rigidly constructed housing which is bolted and tongued to frame of machine. This housing is interchangeable as a unit with the motor head arbor housing when direct motor drive is desired.

Dado heads up to $\frac{3}{4}$ " wide can be used on the saw arbor.

UNIVERSAL TILTING RIPPING FENCE — TYPE F

When ordered it may be used on either side of the saw, or secured at any angle not in line with the saw on either the stationary or rolling table. Has quick adjustment of 12 inches without changing the locating pins to the next set of holes. A micrometer device is supplied which will adjust the fence to and from the saw for fine and extremely accurate adjustment. It has a parallel adjustment whereby it may be set to or from the operator $6\frac{1}{2}$ inches. This fence tilts down to 45 degrees and easily locks at any tilted position. A metal block is

provided to serve as a stop and give clearance when cross-cutting.

MITER CUT-OFF GAUGE

Is supplied for use on the sliding table and has capacity for cutting any angle from 30 to 135 degrees. It is used when cutting off very wide stock. It has an auxiliary rod and stop which adjusts in grooves in face of fence for cutting to various lengths. Two stop rods, one 18 inches and one 36 inches long are supplied and these may be used on the universal gauges.

UNIVERSAL GAUGES — NO. 1

This gauge operates in table grooves on right hand or left hand side of saw for miter and cross-cutting. Is graduated 60 de-

OLIVER No. 80 VARIETY SAW BENCH

grees each way from center and may be accurately set. Is arranged for stop rods which adjust in grooves in face of gauge.

HORSEPOWER

We recommend 5 h.p. for 14-inch and 16-inch saws. 7½ h.p. for 18-inch saws. 10 h.p. for belt driven 18-inch saws.

MOTOR DRIVE

Where two or three phase, 60 cycle, alternating current is obtainable, a compact motor-on-arbor machine can be provided by

mounting the motor directly on the saw arbor in place of the ordinary pulley. Another kind of motor drive consists of a 5 h.p. motor, about 1800 r.p.m. mounted on a sub-base bolted securely to the frame, providing a self-contained motor drive with adjustment for taking up stretch of belt. Motor pulley and belt are thoroughly guarded by suitable guard.

MORTISING AND BORING ATTACHMENT

When so ordered, machine may be fitted with a hollow chisel mortising attachment with capacity up to ¾-inch square chisels. Table is supported on heavy bracket

which adjusts vertically 3 inches in gibbed ways. Table moves 4 inches in and out by quick adjustable foot treadle. For plain boring, the table moves in and out 6 inches by means of a foot treadle. Bits with ½-inch shank are used.

EQUIPMENT

One 16-inch miter saw with cleaner teeth, one ripping fence, either plain or universal as ordered, one universal miter gauge, one miter cut-off gauge, one automatic universal saw guard, one steel blade splitter following the saw, two stop rods with locating stops and necessary wrenches.

CODE, WEIGHT, ETC.

CODE	MACHINE DESCRIPTION	WEIGHT IN POUNDS		CUBIC FEET
		CRATED	BOXED	
Dakok	No. 80-D—Plain Table Machine with motor-on-arbor, including switch.....	1725	2000	75
Dagguk	No. 80-V—BELTED MOTOR DRIVE arrangement including cast iron motor bracket attached to base of machine, belt guard, V-belts, but no motor.....	1925	2300	81

EXTRAS

Dakom	SPECIAL ARRANGEMENT for No. 80-D with 7½ h.p., 2 or 3 phase, 60 cycle, 220/440 volt, 3600 r.p.m. motor with 18" saw, giving maximum depths of cut 4¾" .....	.....	.....	.....
Daku	UNIVERSAL ROLLING TABLE with ball bearing ways fitted with miter cut-off gauge and graduations for same instead of plain table	100	100	.....
Dakuc	MORTISING AND BORING ATTACHMENT with one ¾" square hollow chisel with bit, and one ½" plain boring bit	200	350	8
Dagger	No. 135 CIRCULAR SEGMENT GAUGE .....	.....	.....	.....
Dunbar	TYPE F RIPPING FENCE instead of Type G .....	.....	.....	.....
Damtad	DADO SLEEVE for 2" dado with collars



OLIVER MACHINERY COMPANY

Grand Rapids 2, Michigan, U.S.A.

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