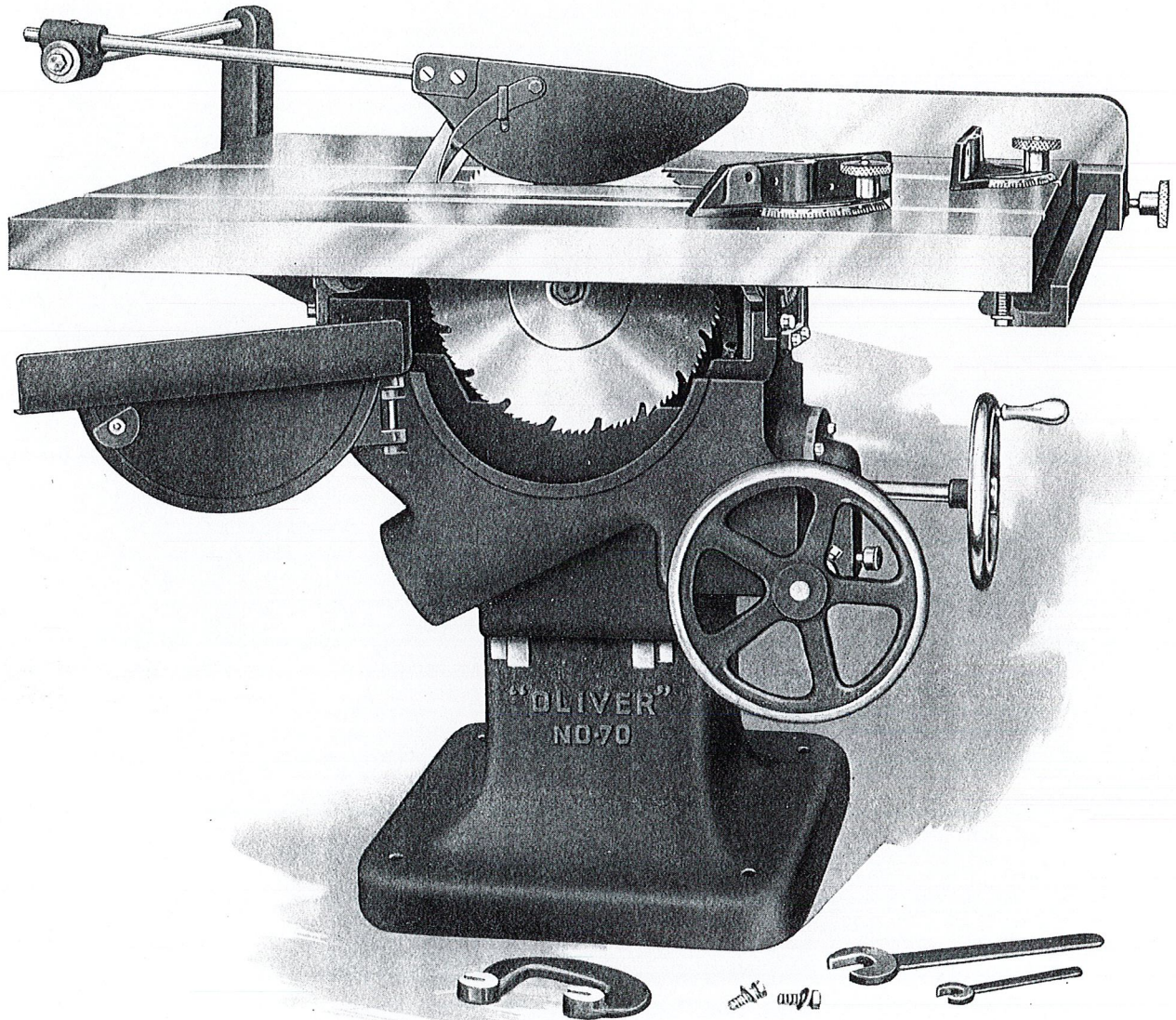




"Every User
Is a Booster"

"Oliver" No. 70 Variety Saw Bench

Ball Bearing—Very Modern



"Oliver" No. 70-D Precision Variety Saw Bench.
A mighty convenient and extremely safe circular saw bench.

The Automatic Saw Guard
with the Anti-kick Back
Catch is entirely new and
assures maximum safety.

Manufactured by

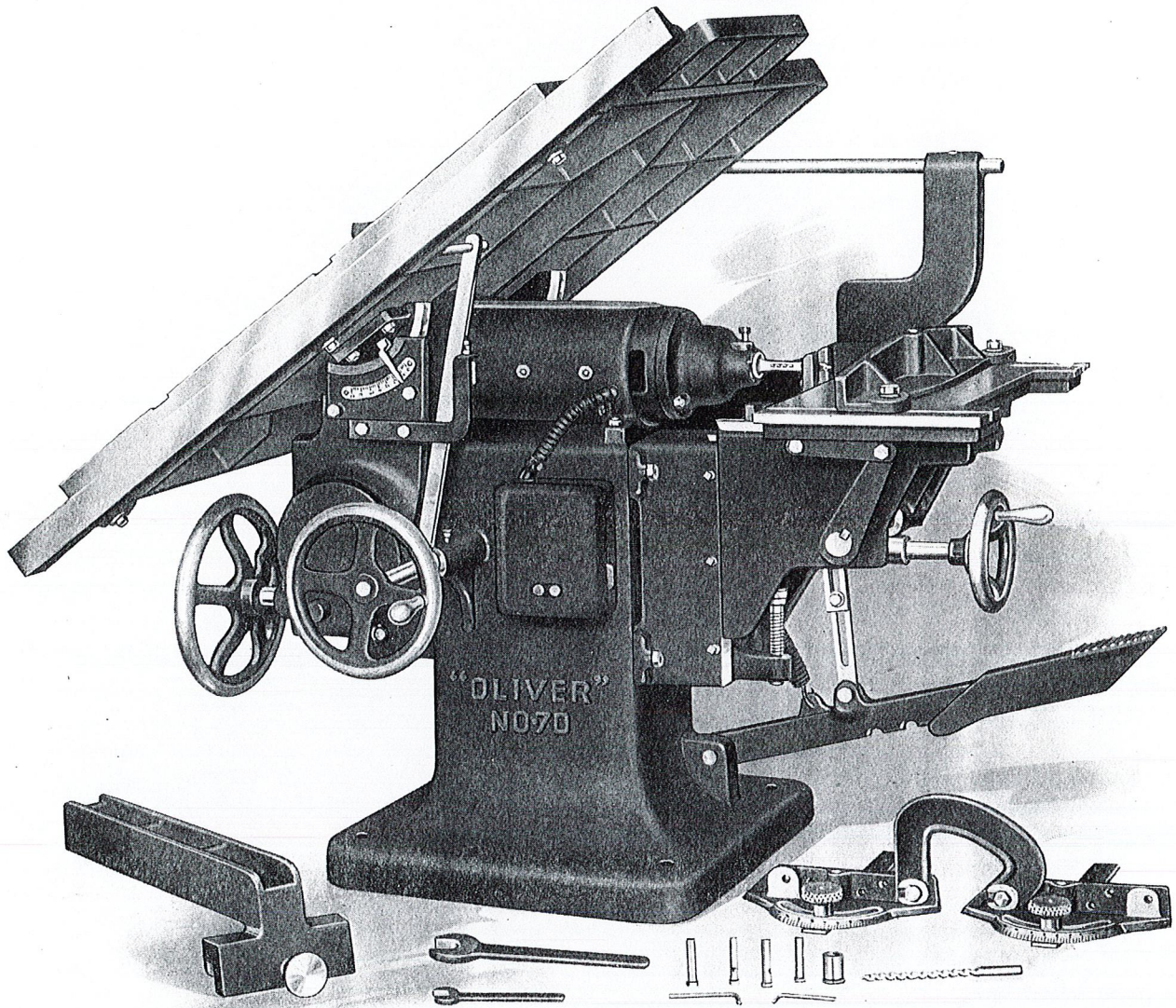
Oliver Machinery Co.

Grand Rapids, Michigan, U. S. A.

BRANCH SALES OFFICES:

New York, St. Louis, Minneapolis, Los Angeles, San Francisco,
Chicago, Denver, Salt Lake City, Seattle, Manchester, Eng.

OLIVER MACHINERY COMPANY  GRAND RAPIDS, MICHIGAN, U.S.A.
NO. 70 "OLIVER" PRECISION VARIETY SAW BENCH



No. 70-D Variety Saw Bench with Boring and Mortising Attachment. Note especially the heavy, well ribbed table and the finished rocker and rocker seat which, with the totally enclosed tilting mechanism, assure accuracy and ease of tilting.

Application

To meet the demand for an especially well built and accurate medium sized saw bench, we have designed and built this No. 70 Variety Saw Bench for ripping, cross-cutting, and dading in an efficient and thorough manner. It will cut a perfect miter, cut off to length or rip to width, without the operator having to use a rule, as the gauges and table are accurately graduated, thus saving considerable time in operation.

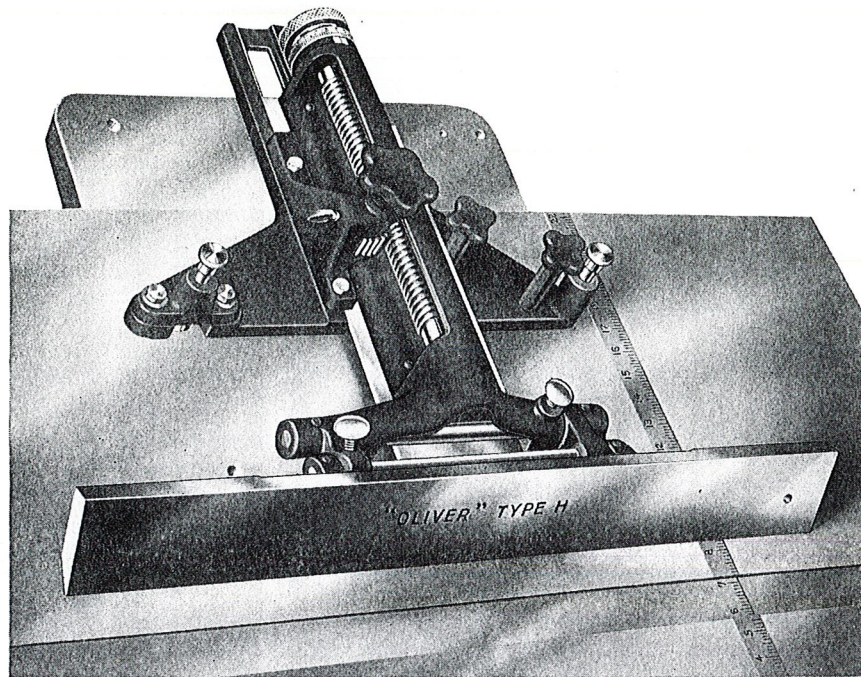
Capacity

Machine will rip to 24" wide with plain fence, or 22" wide when Universal Ripping Gauge

is used, and cross cuts to 16" wide by 3" thick, or 19" wide by 1" thick with regular 14" diameter saw, which projects above table 3". A 15" diameter saw may be used if desired. Will work dados up to 4" wide. With Mortising and Boring Attachment will bore holes 6" deep up to 2" diameter, will mortise holes up to 3/4" square and 4" deep.

Frame

The frame is of box form, one piece casting, having broad base, and rigid construction, with three point bearing on the floor. Entire working mechanism is mounted on it, making the machine self-contained.



This is the Universal Ripping Fence with Micrometer Adjustment, furnished with the "Oliver" No. 70 Variety Saw when so ordered. See description below.

Table

Has deep ribbed construction, planed true, 36" x 44", tilts 45 degrees to the left. Has slide rail bolted to the front when furnished with plain ripping fence, which is regular. A recess is cast about the saw for applying and removing the blade and this is filled with a removable throat. Has 3" vertical adjustment by mounting it in a machine dovetail slideway and controlling by hand wheel and bevel gearing actuating a substantial screw and nut. Is 33½" from floor at lowest position and 36½" at highest position.

Table Tilting Device

Consists of hand wheel, worm and gear device, housed in a dust-proof, oil-tight box, operating in bath of oil, with ball bearing to take up the thrust, and is self-locking, holding the table firmly to any angle up to 45 degrees. Scale and pointer at the front indicate the exact degree of tilt.

Table Yoke

The yoke which carries the table is of rigid construction, riding on gibbed dovetailed ways of the frame, which measure 7" across the gibs, 11" high, 7/8" deep, 3/4" face, assuring a steady rigid support of the table. Yoke moves 3" vertically by means of self-locking arrangement consisting of a large hand wheel (10" di-

ameter), spiral gears, and adjusting screw with ball bearing thrust.

Saw Dust Chute

Is cast as part of the table yoke, and runs directly from the saw, discharging the dust at the rear of the machine entirely out of the way of the operator, and is fitted with swinging door or guard, enabling the operator to get at the saw or arbor very easily.

Universal Gauges

Two in number, made entirely of metal and fitted to slide in the table grooves on each side of the saw. Permit cutting right and left angles with but one handling of the stock. By means of the graduations in front the angling of the guide is instantly accomplished from 30 to 150 degrees. A yoke is provided for operating these gauges in tandem.

Ripping Fence

As regular equipment we furnish a double faced plain ripping fence which can be used on either side of the saw, and operates on a slide rail bolted to the table at the front and clamped in position by means of knurled hand knob.

Universal Ripping Fence

As an extra we can furnish a Universal Tilting Ripping Fence, in place of the plain ripping

fence, in which case the slide rail at the front of the machine is omitted. This Universal Tilting Ripping Fence can be used on either side of the saw. It has quick adjustment of 10" by means of rack, pinion, and hand wheel, 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 may be tilted to an angle of 45 degrees.

Saw Arbor

The saw arbor is 1" diameter where saw is applied, operates in ball bearings, which are practically impervious to wear and run in lubricating grease that prevents cutting. Bearings are encased so completely that no dirt can come in contact with them. The arbor bearings are mounted in a one-piece rigidly constructed housing which is bolted and tongued to frame of machine. The housing is interchangeable as a unit with the motor head arbor housing when direct mounted motor drive is desired.

Motor Drive

Two methods of motor drive are available. Where two or three phase, 60 cycle, Alternating Current is obtainable, a compact motor-on-arbor machine can be provided by mounting directly on the saw arbor a 5 H.P., 3,600 R.P.M. Motor in dust-proof housing, with ball bearings; or for Direct Current or odd frequency, we can furnish a motor bracket bolted securely to the frame at the rear on which the motor with proper size pulley and base rails can be mounted and belted to the saw arbor pulley, providing a self-contained motor drive with adjustment for taking up the stretch of belt. Motor pulley and belt are thoroughly guarded by suitable guard.

Starter

Push Button Remote Control Starter with overload and undervoltage protection and Push Button Start and Stop station mounted on the machine and wired in conduit to the motor.

Saw Guard

A specially designed "Oliver" Full Automatic Universal saw guard is furnished with this machine, fitted with a cleverly designed Kick-Back catch so that in case any board has a tendency to be thrown back the Kick-Back catch will prevent such action. The guard is supported by a bracket attached to the column in such a way as not to require any attention whatever. It is never in the way and always rides either on the table or on the work, giving full protection to the operator.

Countershaft

For Belt Drive, furnished as an extra if desired. Runs in well lubricated Ball Bearings. Supported by a housing in one piece and of rigid construction, secured to a base plate bolted rigidly to the frame, giving a self-contained drive. Tight and loose pulleys are 10" diameter by 5" face, speed 600 R.P.M. Driving pulley 18" diameter by 5" face.

Mortising Attachment

When so ordered, the machine may be fitted with a Hollow Chisel Mortising Attachment, with capacity up to 3/4" square chisels. Table is supported on heavy bracket which adjusts vertically 3" in gibbed ways. Table moves 4" in and out by quick adjustable foot treadle.

Boring Table

This is the same as the table for mortising, has 3" vertical adjustment in gibbed ways. When boring, the table moves in and out by means of a foot treadle 6". Ordinary machine bits with 1/2" straight shanks may be used.

Equipment

One 14" diameter hollow ground miter saw with cleaner teeth, Universal saw guard, splitter blade, two miter gauges with connecting yoke, double faced plain ripping fence, wrenches, 5 H.P. Motor head with push button starter wired in conduit to the motor ready for use; or arbor with pulley for belt drive.

Code	No.	CODE, WEIGHT, ETC. Description	Weight in Pounds		Cubic Feet
			Crated	Boxed	
Dalac	70-D	Variety Saw Bench, with 5 H. P. Motor-On-Arbor and Switch.....	1250	1550	50
		EXTRAS			
		Universal Fence in place of Plain Fence.....	50	50	
		Mortising and Boring Attachment	200	200	
		Dado Sleeve to take 2" x 12" dados.			
		Dado Sleeve to take 4" x 12" dados.			
		Motor Bracket with belt and guard for belted motor drive.....	100	100	
		Dado Head 12" diameter 2" face.....	10	10	
		Countershaft for belt drive.....	100	100	
		DEDUCTIONS			
		Belted head with pulley instead of motor-on-arbor head.....	50	50	