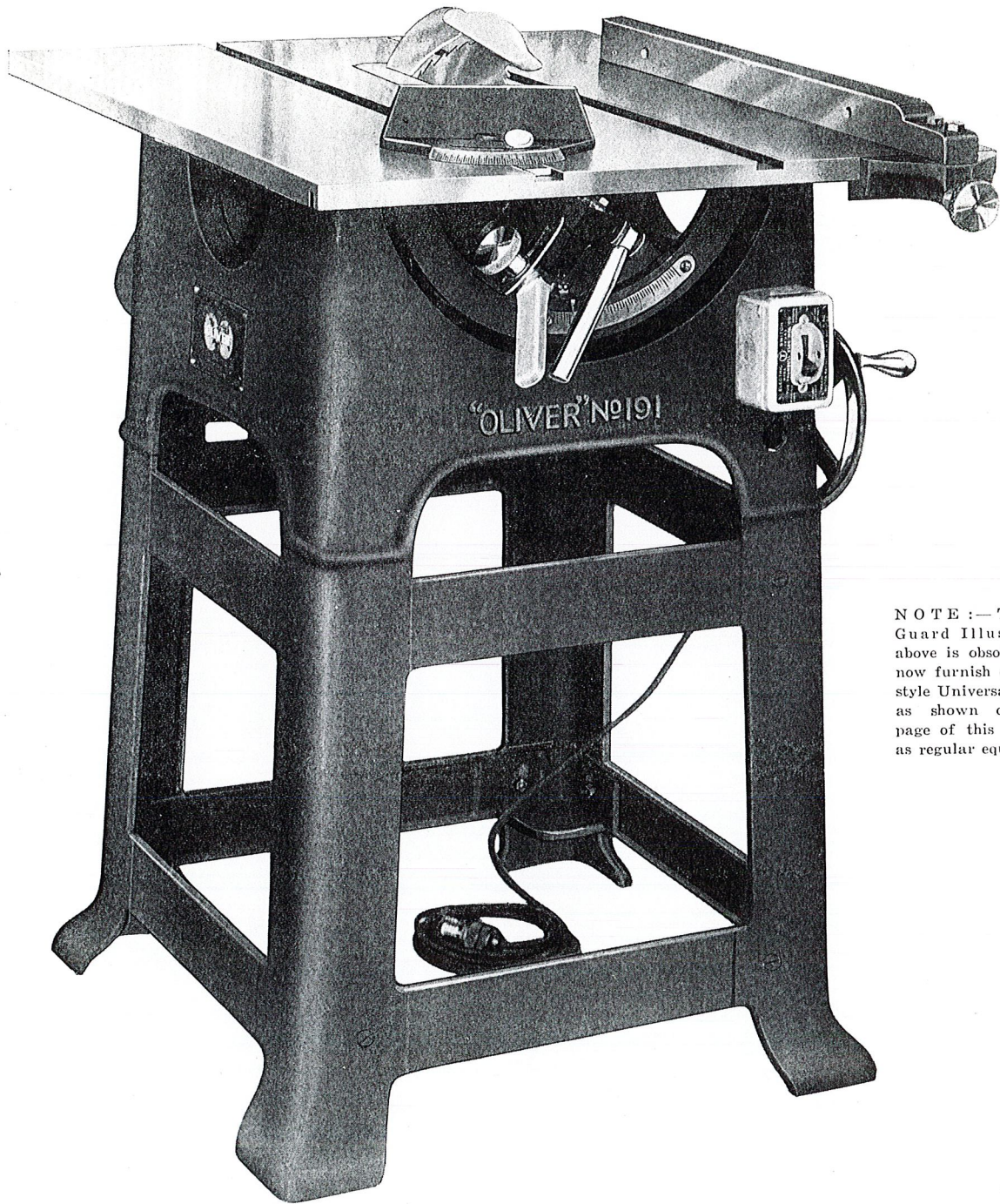




"Every User  
Is a Booster"

## "Oliver" No. 191

Tilting Arbor, Motor Driven Saw Bench



NOTE :— The Saw  
Guard Illustrated  
above is obsolete. We  
now furnish our new  
style Universal Guard  
as shown on rear  
page of this circular  
as regular equipment.

Front View Showing Saw in Tilted Position with the Rippling Fence at the Right and  
Universal Cut-off Gauge at the Left of the Saw.

"The Handiest Circular  
Saw Bench for All Kinds  
of General Small Work"

Manufactured by  
**Oliver Machinery Company**  
Grand Rapids, Mich., 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.  
"OLIVER" NO. 191 TILTING ARBOR MOTOR DRIVEN SAW BENCH



Rear View from Left Side showing Compact and Positive Support of Motor with the Rippling Fence right side of Saw and the Cross Cut Gauge in the Slot.

NOTE: — Guard shown above is obsolete. See rear page of this circular for different views of our new Universal Saw Guard now furnished as regular equipment.

## Features

The "Oliver" No. 191 Tilting Arbor Saw Bench in its new design is a most practical saw. The saw tilts for angle sawing, allowing the table to be level at all times. The saw raises and lowers for depth of cut, allowing the table to remain at its natural working height at all times. It has quick adjustment for depth of cut. It is a high grade, ball bearing machine built to the "Oliver" standard of quality. The "Oliver" No. 191 Tilting Arbor Saw Bench can be efficiently used by woodenware manufacturers, furniture packers and shippers, refrigerator manufacturers, cabinet makers, pattern makers, foundries, railroad shops, boat builders, automobile manufacturers, body builders, planing mills, sash and door and screen makers, lumber yards, general contractors, and many others. Put this saw bench in your plant and watch it pay for itself. (Any woodworking plant or department will find this machine unequaled for small work within its capacity and power.) "Oliver" experience covers a third of a century of building high grade woodworking machinery.

## Adaptation

The machine is portable and operates from light socket. It will dado up to  $\frac{7}{8}$ -inch wide by  $1\frac{1}{2}$ -inch deep. Grooving the same width and depth, for ripping and beading screen stock, cutting tongue and groove, will cut compound miters in one operation; also does tenoning. It is universally used for sawing, ripping and cross cutting. It can be speedily and accurately adjusted to cut any desired angle or depth up to its capacity. It operates from any electric light socket, is portable and built to stand the shock of moving about. This sturdy little saw bench will do all of the above work in less time with less labor and less experience than is required by hand tools.

## Capacity

Will cut 2 inches deep with standard 7-inch saw or  $2\frac{1}{2}$  inches deep with 8-inch saw. Takes up to  $\frac{7}{8}$ -inch x 6-inch dado heads. Distance between saw blade and ripping fence 12 inches.

OLIVER MACHINERY COMPANY  GRAND RAPIDS, MICHIGAN, U.S.A.  
"OLIVER" NO. 191 TILTING ARBOR MOTOR DRIVEN SAW BENCH



Front View from Right Side Showing Position of Motor and Saw in Normal Position and the Ripping Fence at the Left of Saw to Show its Use on Either Side.

NOTE:— Saw Guard above shown is obsolete. We now furnish regularly our new Universal Saw Guard as illustrated on rear page of this circular.

### Base

Is well ribbed, semi-steel, removable base. Casters can be fitted if desired, at slight extra cost, but these are not recommended.

### Table

Semi-steel table 25 x 30 inches, thoroughly seasoned, well ribbed underside, machined true. Rest in fixed position, has a slot on either side of saw for cut-off gauge. Semi-steel fence can be used on either side of the saw. This fence is drilled and countersunk on both sides for mounting wood faces. Aluminum throat plate accurately fitted is readily removed for quickly changing saws or for using dado heads.

### Saw Arbor

Tilts by means of handwheel at right side of machine. The tilting mechanism is self-locking and the degree of tilt is indicated by a scale on front of machine. Saw raises and lowers quickly by handle at front

of machine. Arbor is driven by 1½-inch belt. Belt tightener is provided to take up the belt stretch. Arbor is ½-inch where saw is applied, speed 5,200 R.P.M.

### Motor

A ½ H.P., standard 1,800 R.P.M. Ball Bearing Motor is mounted on hinged, semi-steel base on tilting carriage, which assures perfect alignment and tension at all times. Safety switch does not move with the carriage but remains stationary in front of machine.

### Switch

The motor is started and stopped by a heavy steel tumbler switch. The switch may be locked in off position. It is mounted in a stationary position at front of machine and does not move with motor or table. Cord and plug furnished for 1 phase and direct current. All wiring is in metallic conduit. ½ H.P. is standard; but ¾ or 1 H.P. may be supplied at extra price. Speed 1,800 R.P.M.

### Gauges

Machine is furnished with double faced ripping fence and positive clamp cross cut gauge.

### Safety Guards

The saw guard is aluminum. It is always over the saw and the work and is provided with steel splitter guard for protection at the back of the saw as well as with an effective anti-kickback dog which prevents any possibility of work being thrown back towards the operator. The driving belt is fully guarded. A safety switch which may be "locked off" is used.

### Height

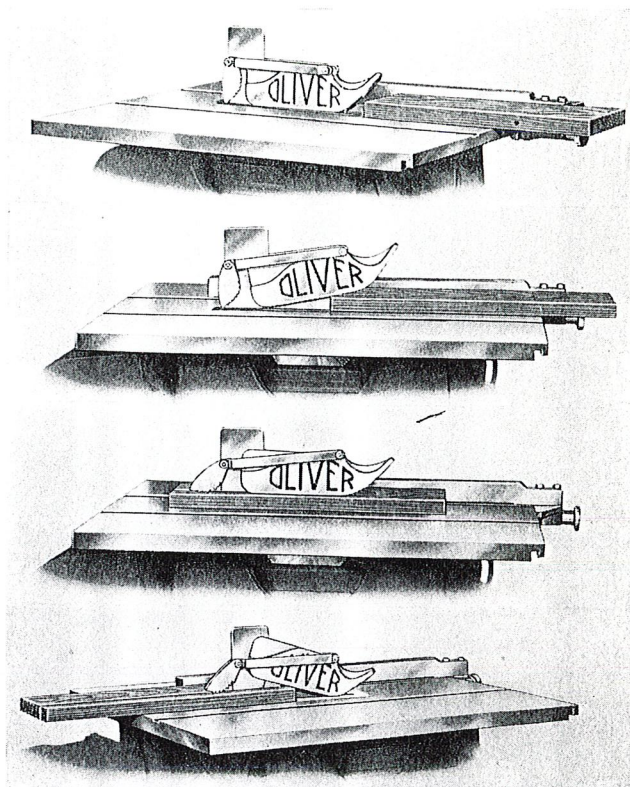
Machine with base is 32 inches high from floor.

### Floor Space

25 inches wide; 37 inches long.

### Equipment

Regularly includes one 7-inch combination rip and cross cut hollow ground miter saw, saw guard, splitter guard, double faced ripping gauge, positive clamp cross cut gauge, 1½-inch endless leather belt, steel belt guard, electric motor, switch, ten feet of reinforced cord and plug, for light socket connection. (Switch only for power connection.)



Above Four Pictures Illustrate the Universal Action of Our New Saw Guard Now Regularly Furnished on "Oliver" No. 191 Saw Bench Shown in this Circular.

#### CODE, WEIGHT, ETC.

Code	Machine Description	Weight in Pounds		Cubic Feet
		Crated	Boxed	
Danba	No. 191 — Motor Driven Tilting Arbor Saw Bench with ball bearing tilting arbor, universal stationary table, saw guard, splitter guard, one cross cut gauge, one double face ripping fence, belt and guard, ½ H.P. motor, electrical switch.....	480	615	17

#### EXTRAS

Danbad	One H.P. polyphase motor instead of ½ H.P.
Danbaf	One H.P. single phase or direct current motor instead of regular ½ H.P.
Danbal	Dado Head 6-inch diameter to cut grooves up to ¾-inch wide (½-inch hole) 7-inch or 8-inch circular saws.
Danbap	Casters for the floor base.
Defai	No. G-191 Saw Guard complete, ready for attaching, to older style No. 191.

"Work is many times easier. Able to do a better job than was possible with hand tools. Sawed edges are as smooth as if dressed by a plane."

That tells what Mr. G. A. Wagner, of the Buckeye Furniture Co., thinks of their "Oliver" Portable Saw Bench.

This company makes perfect fits for glue joints on this machine which operates from lamp socket. This machine is mounted on the semi-steel floor base.

This machine will do a lot of work that is now being done by hand. It will do it better, faster, and at lower cost, in any woodworking shop.