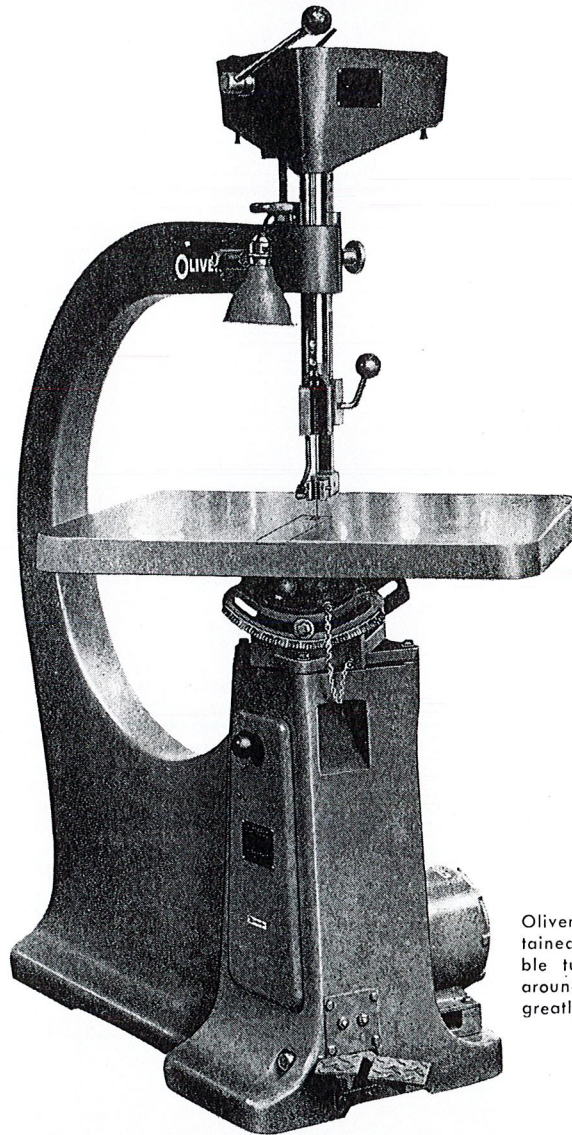


OLIVER

No. 273

JIG SAW



Oliver No. 273-D Self-Contained Jig Saw showing table turned one-eighth way around to increase capacity greatly.



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

The finest heavy-duty Jig Saw built!

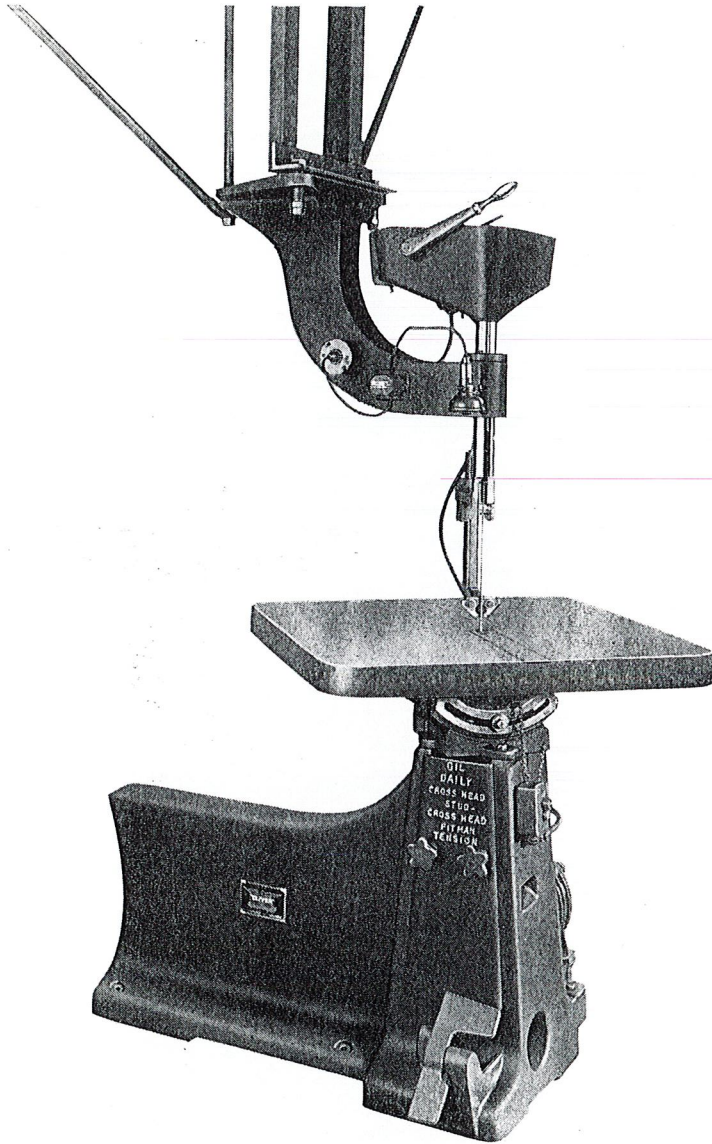
Capacity

Work of almost any length and any practical width can be sawed. The ceiling-supported Jig Saw can handle work of any width and length. Maximum height under guide, 10½ inches; stroke, 2½ inches; blades 10 inches to 18 inches long can be used; distance between saw and

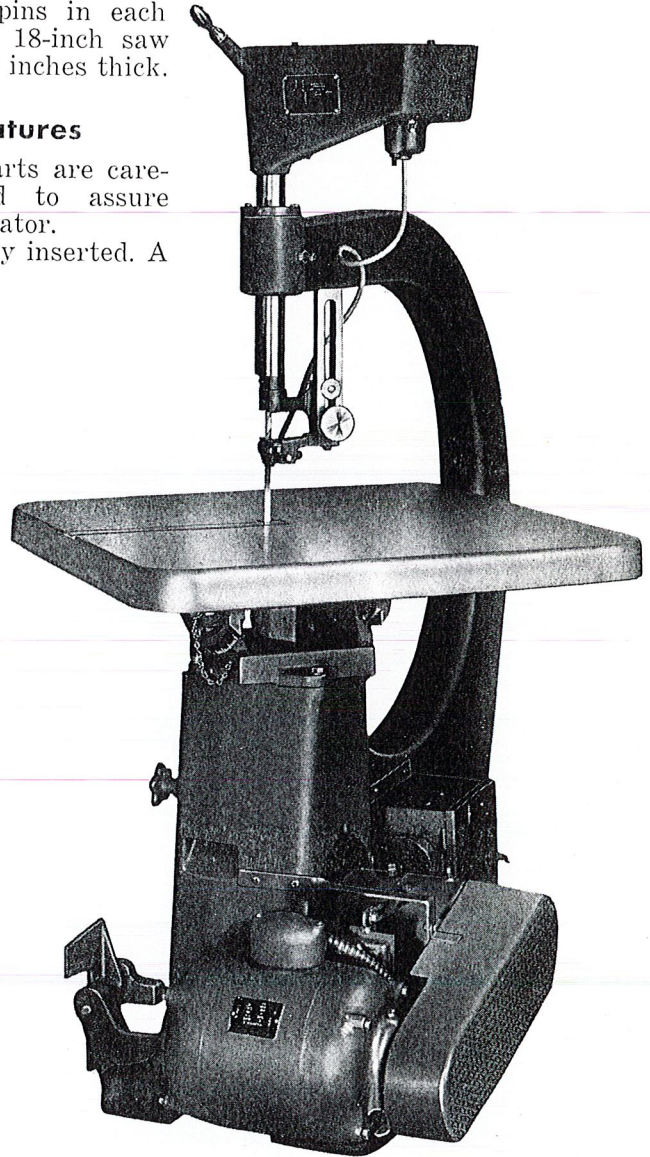
column, 36½ inches. Standard saw blades with pins in each end are used. An 18-inch saw cuts stock up to 10 inches thick.

Noteworthy Features

1. All moving parts are carefully guarded to assure safety to operator.
2. Saws are easily inserted. A



No. 273-DS Special Jig Saw with column neck omitted to permit unlimited capacity. Customer furnishes support for L-shaped bracket. Threaded bushings are provided for alignment. Extra large, non-tilling table can be furnished.



No. 273-V Jig Saw with V-belt drive. This design is used for 25 cycle or direct current. It also provides opportunity to change speeds if necessary.

device in the crosshead holds lower end of saw, and a slide block in the upper guide-way provides a rapid, convenient method to insert the saw.

3. Unique tension device insures a steady, quiet run-

ning, vibrationless machine, producing finest work.

4. Table is turned one-eighth way around to increase capacity so that stock of any length may be worked.
5. The machine is self-contained when belt or motor driven. The same foot control and brake are used for starting and stopping the machine.
6. All parts are interchangeable. Bearings and moving parts are made to compensate for wear. Surfaces and holes are planed and bored in line for greater ease of operation, durability and accuracy.
7. The steel pitman is attached to bronze crosshead — light in weight, with large bearing surface, yet very rigid. Pitman is carried on totally enclosed ball bearings.
8. A convenient foot lever completely controls the machine.
9. A dumping device in the table (in front of and around the saw) consists of a slide with a knob on the underside. It can be drawn back to permit small cuttings automatically to drop through the hole in the table. It is not necessary to stop the machine and use a hand pick to remove cuttings in intricate scroll work to make room for the saw when work is turned around.
10. An effective, continuous air blast is directed to the front of the saw.

Tension Device

The upper saw slide and the tension device form a self-contained unit. It is adjustable up and down to accommodate varying lengths of saw. Two coil springs provide the tension. They are independently adjustable, and designed to give ample tension with a limited motion,

practically eliminating vibration.

Quick Release

A hand lever, conveniently placed, enables the operator to take tension off the saw blade when changing it.

Tension Strap

The strap is made of the best grade saw steel instead of leather frequently used on other machines.

Air Pump

The pump is directly connected to the tension spring shaft

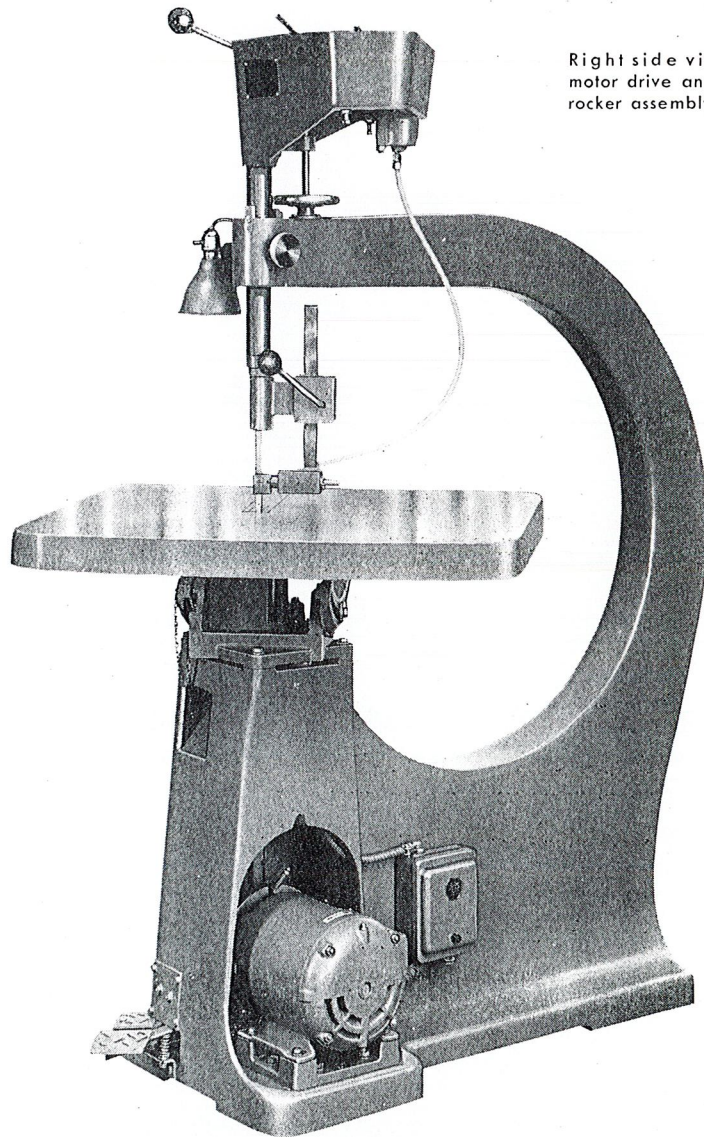
and provides a smooth and effective air blast directly at cutting edge of saw.

Column

The column is a one-piece rigidly casting carrying the table, countercase, pitman, crosshead and gibs, and starting and stopping device. It is arranged for simple connection to the blow pipe system.

Table

The cast iron table is strongly ribbed, planed and ground perfectly true. It is mounted at 45-degree position relative to base.



Right side view showing motor drive and heavy table rocker assembly.

It is 34 inches square and 37 inches from floor. The table is mounted on rockers to tilt 30 degrees to the right and left of the saw, and can be locked in any position by a clamp screw. Table has rounded edges and corners to prevent interference with large and intricate scroll work.

Crosshead

The lower crosshead is made of bronze, and carries the lower saw hook. The crosshead and gibs are of cast iron, lubricated from oil chamber containing a large supply of oil fed by wicks to the ways. The left side gib has screw adjustment for wear, the right side gib is stationary, assuring accurate and permanent vertical alignment.

Saw Guides

There are two saw guides — one above and one below the table. The lower guide consists of a glass hard adjustable steel rod. The upper guide consists of an adjustable head supporting a hardened circular adjustable plate and two hardened steel adjustable angle plates. These two guides provide excellent support for the saw directly below and above the work. The upper guide is adjustable up or down, independent of tension slide.

Direct Motor Drive Control

A convenient foot lever controls the machine. In one operation it releases the brake on the pitman wheel and starts the motor. When it stops the motor, it also applies the brake. In the

belt driven model the action is exactly the same except a clutch is operated instead of a motor control.

Equipment

One dozen assorted blades and proper wrenches are furnished with each machine.

Floor Space

Floor space required by Jig Saw: 48 x 48 inches. Overall height of machine: about 6 feet.

Motor Drive

A direct motor drive is used. A 1 h.p. 1200 r.p.m. motor mounted on a bracket and having the crank base plate attached to the plate mounted directly on the motor shaft, forming a very compact self-contained motor drive arrangement.

CODE, WEIGHT, ETC.

CODE	MACHINE DESCRIPTION	WEIGHT IN POUNDS CRATED	POUNDS BOXED	CUBIC FEET
Didic	No. 273-D Self-Contained Jig Sawing Machine, 1 h.p., 2 or 3 phase, 60 cycle 220/440 volt motor, and push button magnetic control.....	1600	1900	91
Didet	No. 273-V Self-Contained Jig Saw Machine, with V-belt drive for direct current, 115 or 230 volt.....	1650	1950	91
Didot	No. 273-DS Unlimited Capacity Jig Saw, same as No. 273-D, except without column neck to support upper tension unit and with special bracket to support tension unit from ceiling.....	1600	1900	91
EXTRA				
Didex	Scroll Saw Blades, widths 1/8, 3/16, 1/4, 3/8, 1/2 inch in dozen lots, lengths.....	10", 12", 14", 16", 18"		



OLIVER MACHINERY COMPANY
Grand Rapids 2, Michigan, U.S.A.

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