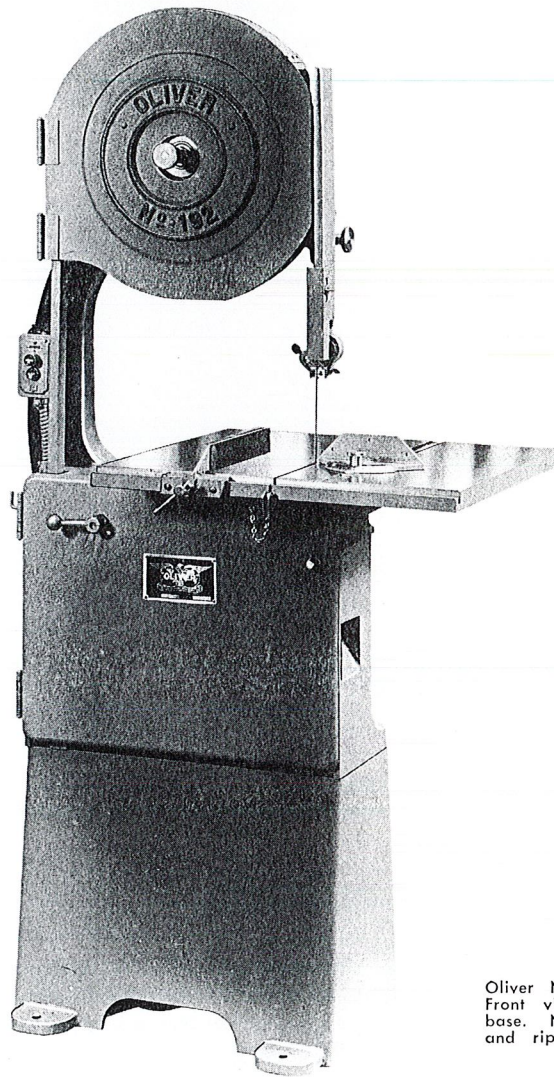


## No. 192 Heavy Duty 18-inch Band Saw



Oliver No. 192-D 18-inch Band Saw.  
Front view of machine with floor  
base. Notice both crosscut gauge  
and ripping fence shown mounted  
on the table.

# OLIVER

OLIVER MACHINERY COMPANY, GRAND RAPIDS, MICH. 49502

# The finest Band Saw of its capacity

## DESIGN

The No. 192 Band Saw is a self-contained, portable machine, regularly furnished with direct motor drive and switch ready for use. A special feature of this Band Saw is its exceptionally large cast iron table with cross-cut gauge and parallel ripping fence which decidedly increases the usefulness of the machine.

## METAL SAWING

The No. 192-M Metal Cutting Saw is equipped with a 1 h.p. 1800 r.p.m. motor for 3 phase, 60 cycle, 230/460 volt operation. It will cut up to No. 10 gauge sheet metal. Blade speed is 8500 feet per minute. The No. 192-MS Metal Cutting Saw can be furnished with a  $\frac{3}{4}$  h.p. geared head motor having a wheel speed of 56 r.p.m. (264 feet per minute blade speed).

## CAPACITY

The No. 192 Band Saw takes 17 $\frac{3}{4}$ " between saw and column, 10" high under upper guide. It can use saws up to  $\frac{1}{2}$ " wide. By using gauges it will rip to 11" wide, and will crosscut and miter up to 6 $\frac{1}{2}$ ". Table tilts 45 degrees to right.

## WHEELS

Our experience in building band saws has taught us that rigidity, perfect balance and large diameter are indispensable requisites for a good band saw wheel. The upper wheel of the No. 192 is made of aluminum, the lower wheel of cast iron. Wheels measure 18" in diameter, 1 $\frac{1}{4}$ " face (covered with rubber), and run in ball bearings. Both wheels are completely guarded with heavy steel doors or guards. Speed: 1200 or 900 r.p.m. to suit operating current conditions. The upper wheel has 4-inch vertical adjustment.

## TABLE

The table of this Band Saw is unusually large. The design of the table is the same as of our larger band saws. It is cast iron, well ribbed, accurately machined. It measures 23 $\frac{1}{2}$ " wide, 20" long, and carries a ripping fence and crosscut gauge. Tilts 45 degrees to the right. It is 38" high from the floor.

## GUIDE

Frictionless ball bearing guides are furnished both below and above the table. The guides have only four major parts. The saw blade runs against the outer edge of a hardened wheel revolving against a ball bearing. The hardened steel side guides or jaws are adjustable and prevent turning of the saw sidewise.

## GAUGES

Two gauges are regularly furnished for use on the table—a crosscut gauge and a parallel ripping gauge. The crosscut gauge slides in a groove in the table. It is fully graduated and clamps at all useful angles to the saw. The ripping gauge clamps against the front edge of the table in a tongue and groove way at either side of the saw.

The lower wheel has a positive non-changing alignment with the frame of the machine. The upper wheel has a very simple 4-inch vertical screw adjustment for tensioning the saw. It has a fine micrometer screw tilting device for tracking the saw on the wheel. All adjustments are controlled by handwheels.

## SAFETY GUARDS

The band saw blade is guarded as fully as possible. Heavy metal doors with finished inside rims close against the finished protruding front edges of the housings, completely enclosing both upper and lower wheels. This neat design assures maximum safety and accessibility. A U-shaped steel guard encases the rear portion of the saw. A U-shaped cast iron guard, adjustable with the guide post, is combined with an L-shaped steel slide guard at the lower end to cover all that front portion of the saw not actually doing the cutting.

## HAND BRAKE

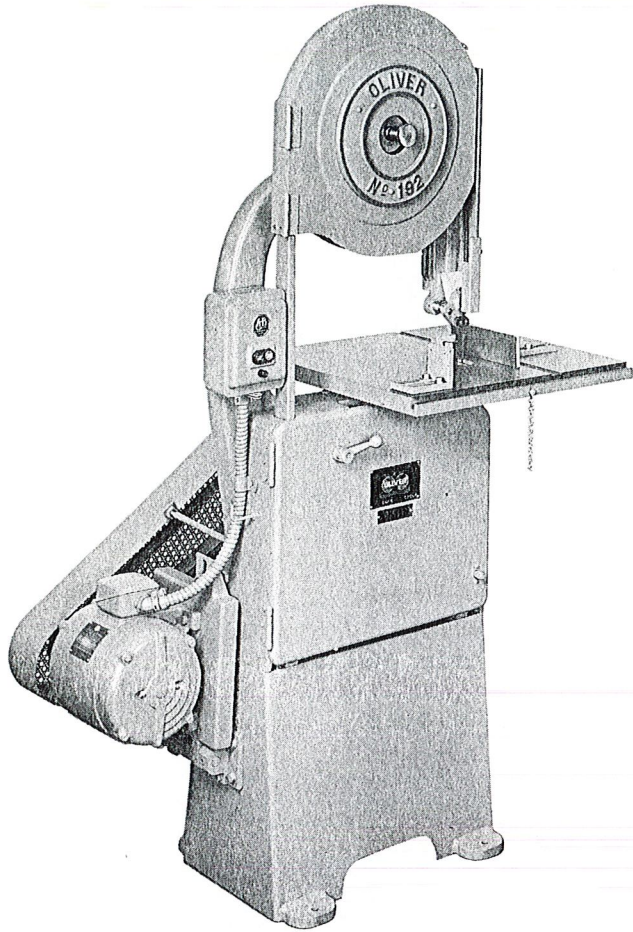
A convenient, effective hand brake operating on the lower wheel is furnished as regular equipment.

## BLADES

The Oliver 18-inch Band Saw can use band saw blades up to  $\frac{1}{2}$ " wide. We carry a large stock of  $\frac{3}{16}$ ",  $\frac{1}{4}$ ",  $\frac{3}{8}$ " and  $\frac{1}{2}$ " widths for immediate shipment. Blades are 9'8" long. Complete satisfaction is guaranteed.

## COLUMN

The column is a one-piece, box type, cored grey iron casting. It is accurately machined at the bottom and at all points where other parts are carried. The column is designed to have the table 20" from the base. The total height of the machine without the floor base is 48".



No. 192 — V Belt drive band saw. Note resaw device mounted on table.  
Available at extra cost.

#### FLOOR BASE

The steel floor base is carefully machined at the top to fit the bottom of the column perfectly. The base is 18" high, making height of table 38" from the floor.

#### DRIVE

The No. 192-D is of the direct drive type, eliminating all unnecessary intermediate parts such as belts, pulleys, gears, couplings, or similar devices commonly used. This direct drive assures quiet, smooth, efficient and effective operation. The No. 192-A is arranged for V-belt drive using a 1 h.p. 1200 r.p.m. motor, 3 phase, 60 cycle, 230/460 volts.

#### MOTOR

The motor for the No. 192-D is a ball bearing, drip-proof type, 1 h.p., 900 r.p.m., 3 phase, 230/460 volts. We also furnish 1200 r.p.m. when ordered.

#### SWITCH AND CORD

For single phase alternating current motors we furnish a switch conveniently mounted on the machine and fully wired with cord and plug for attaching to any 115 volt

circuit. For 3 phase alternating current power circuit, the cord is omitted and a switch is mounted on the machine and wired to the motor. Both provide overload protection.

#### FLOOR SPACE

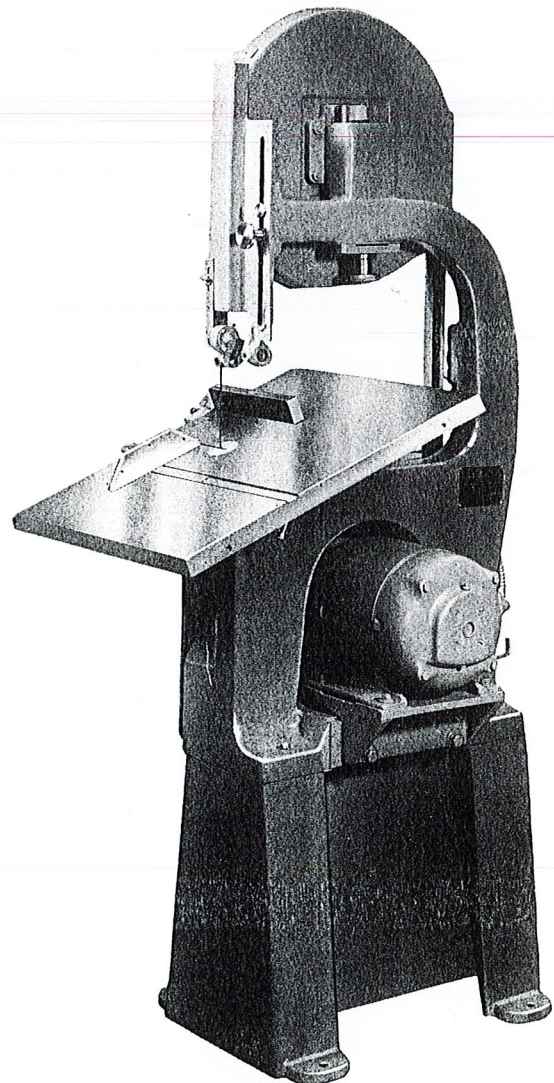
The extreme dimensions of actual space occupied is 20" x 33½". Overall height of machine 68".

#### EQUIPMENT

Each machine is equipped with one saw blade, ¼" wide, one ripping fence, one crosscut gauge, one filling strip for table groove.

#### GUARANTEE

We guarantee our machines to be commercially perfect both as to material and workmanship and to perform up to full capacity as represented by our literature, when properly operated. We further guarantee to replace, free of charge, any part of any machine that may develop inherent defects during one year after shipment. We will not be liable for any operation delays or consequent damages caused by such defects.



Rear view of machine on column. Table tilted with ripping gauge and fence in place.

# FLOOR PLAN

