

No. 15

**"Oliver" Band Saw, 38" Wheels**

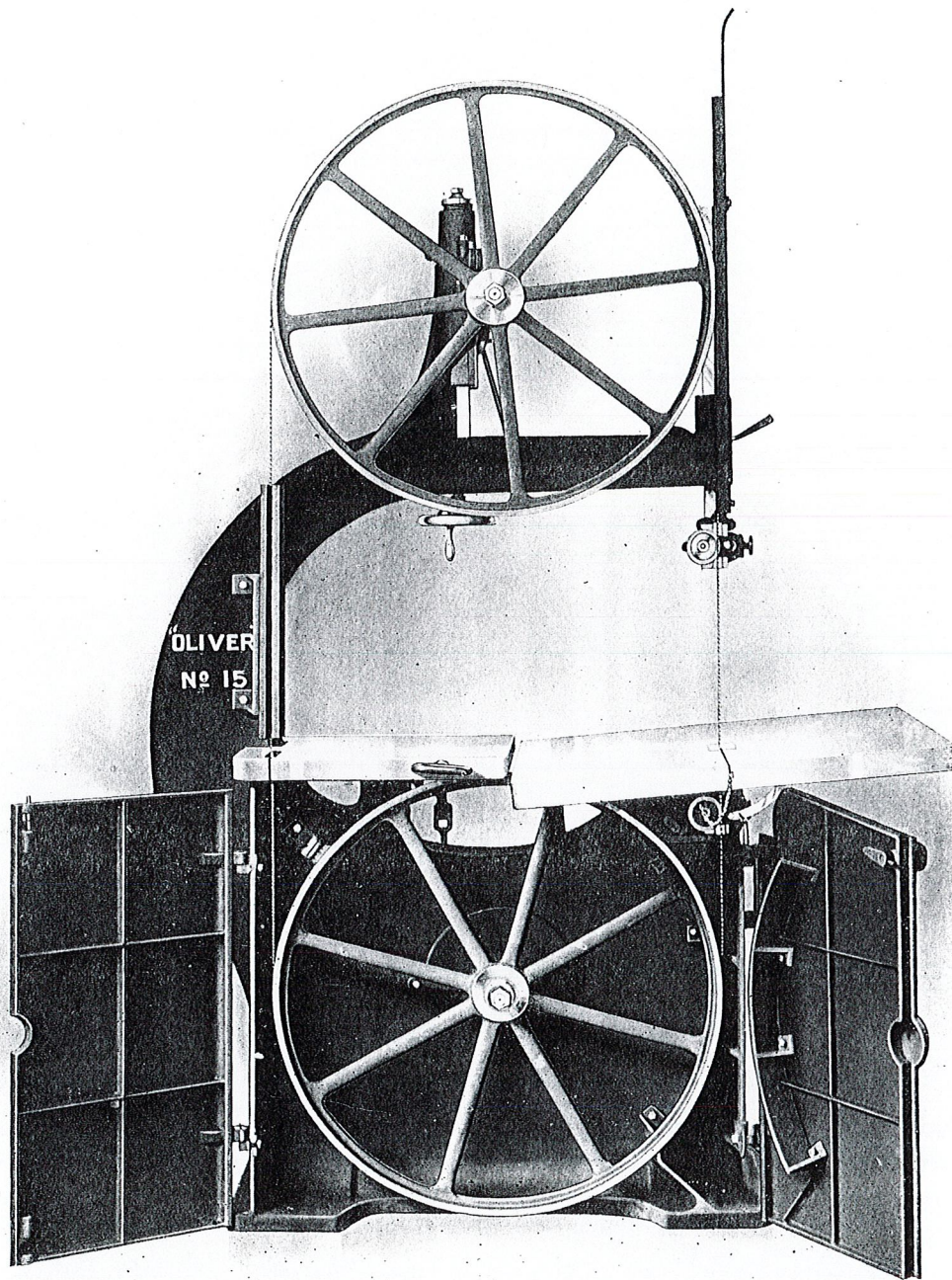
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OLIVER MACHINERY CO

General Office and Works

GRAND RAPIDS, MICH.

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No. 15 "OLIVER" BAND SAW. 38-inch  
View Showing Encasing Doors Open



## No. 15 "Oliver" Band Saw. 38 inch.

Frame	This machine is constructed to please the buyer who is interested only in the highest type of Band Saw to be procured. It is not cheap in the common acceptance of the word, but it is a very economical tool because of its strength, durability, right material in the proper places, fine workmanship, correct details, etc. The frame is cast in cored form, with a base 46" x 23"—It is 7' 1½" high. Floor space 60" x 47"
Table	It is 40" x 36" and 40" from the floor, tilts 45° one way and 5° the other. It is metal, heavy and double ribbed and supported on rockers for angle adjustments. The tilting is done by means of a worm, gear and hand wheel at the right of the operator. The rockers are machined all over and tongued and grooved firmly to seats, and caps may be taken up for wear. The angles are indicated in degrees, upon the dial at the front of the machine. Table is always locked at any point without the use of hand clamps or bolts of any kind. A device for preventing the sagging of the table where it is cut through to receive the saw is provided.
Auxiliary Table	The auxiliary table is 21" x 22" and is bolted to the frame. It increases the surface of the work table almost half. It is vertically adjustable.
Wheels	They are of cast iron, 38" in diameter, are machined all over and are given a running balance. Rubber bands of the best quality are vulcanized to the wheels. The lower wheel is enclosed in a metal casing having two doors. It is provided with a device whereby the dust is collected and thrown to the front of the machine for convenience in attaching an exhaust fan. The upper wheel is carried in a long split box lined with genuine babbitt. End thrust is taken up by end collar.
Wheel Shafts and Bearings	These are steel with journals machine ground and receive the wheels on taper bearings and held by hexagonal nuts. The bearings have oil wells, and fitted with caps to machined surfaces. The upper shaft is vertically adjustable to suit varying lengths of blades. It is also tilted by hand-wheel for tracking the saw. The lower main bearing is cast to the frame, insuring rigidity.
Outboard Bearing	This supports the end of the lower wheel shaft and is self oiling. The tight and loose pulleys are located between this and the main bearing.
Saw Tension	This is accomplished by a telescope spring of correct strength and elasticity, automatically adapting itself to the varying tension required for light or heavy saws. It is very sensitive.
Guide Post	It is made of steel 1½" square and counterbalanced by an encased coil spring. It is readily locked to a fixed position. The post carries a frictionless roller guide, adjustable for varying widths of saws and another similar guide is located below the table.
Saw Guards	A grooved saw guard is located on the column receiving the saw and protecting it both sides. A front guard made of steel with a wood facing is carried on the guide post and covers the saw above the guide.
Loose Pulley Capacity	This is bushed with bronze and is fitted with self oiling devices. Will take 18" under the guide; will saw 38" between saw and column; will saw to 45° to the right and 5° to the left. Saws from 18' to 20' long may be used.
Equipment	This consists of one saw ½" wide, pair of brazing tongs and clamps, saw guard at both front and back of saw and belt shifter.

## No. 15 "Oliver" Band Saw—Continued

### Motor Drives

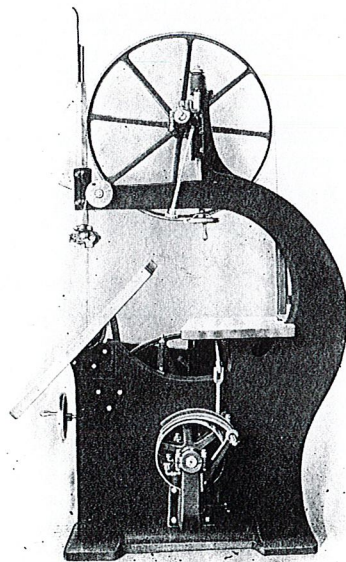
There are a variety of electric drives applicable to this machine, which we are prepared to furnish. Furnish current voltage, phase and frequency when making inquiry for electrically driven machines—.

Code	No.	Type of drive	Hand	H. P.	T.& L.	Speed	Domestic Weight	Export Weight	Cubic Meas'mt
Delete	15-A	Belt drive	Right	3 to 4	12"x4½"	500	3000	3500	117
Delight	15-B	Belt drive	Left	3 to 4	12"x4½"	500	3000	3500	117
Dell	15-C	Arranged with Bracket for motor	Right	3 to 4	-----	---	3000	3500	117
Deltaic	15-D	Arranged with Bracket for Motor	Left	3 to 4	-----	---	3000	3500	117

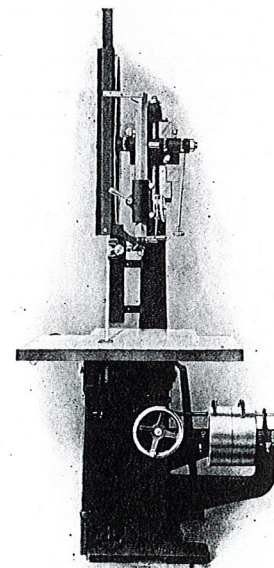
### Extra Attachments

Which are Furnished at Additional Cost when desired.

Deport	No. 137	Hand Ripping Fence, 4" high.
Deprave	No. 138	Hand Ripping Fence, 6" high.
Depute	No. 139	Hand Ripping Fence, 3" high and operated from the front end of the table.
Derby	No. 239	Special Spring Roll device for holding material to the ripping fence when resawing by hand.
Derelict		Wire Mesh Door for guarding upper wheel.



No. 15 "Oliver" Band Saw 38 inch  
View Showing Rear of Machine



No. 15 "Oliver" Band Saw, 38 inch  
Side View of Machine