"OLIVER"
HIGH GRADE WOOD WORKING MACHINERY

"QUALITY"

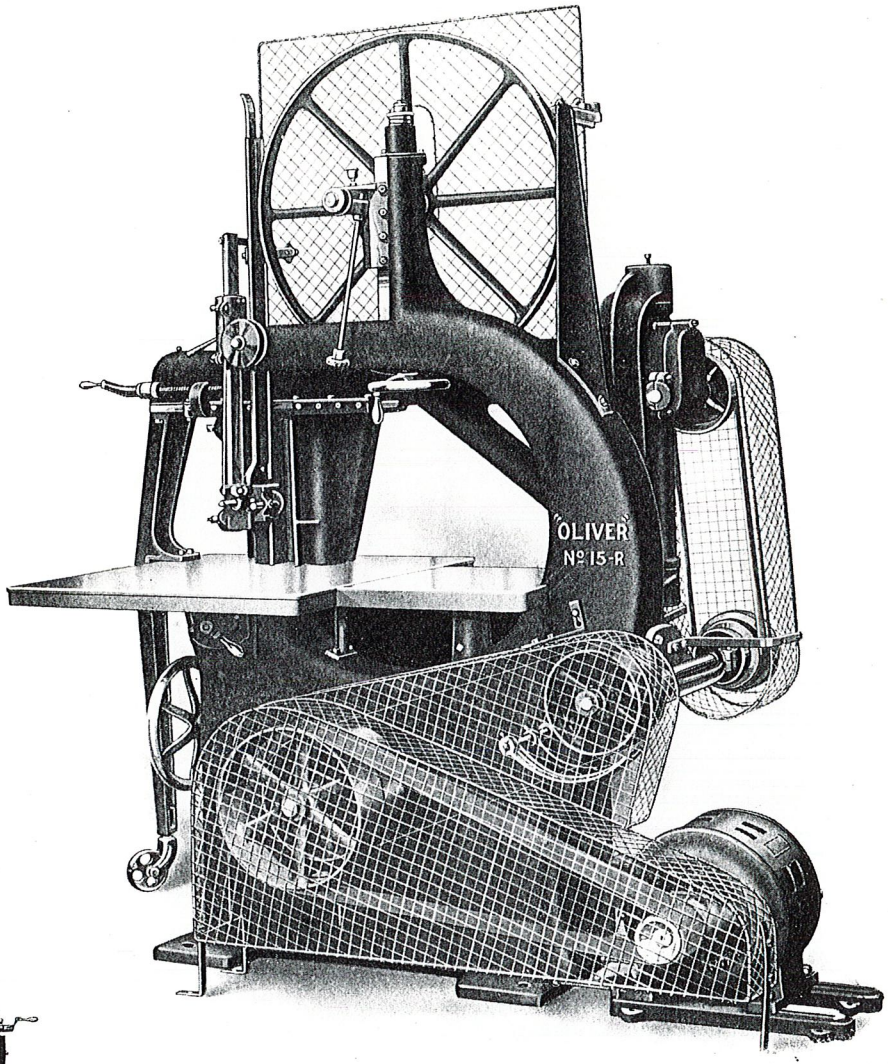
# "Oliver" No. 15-R

## Combination

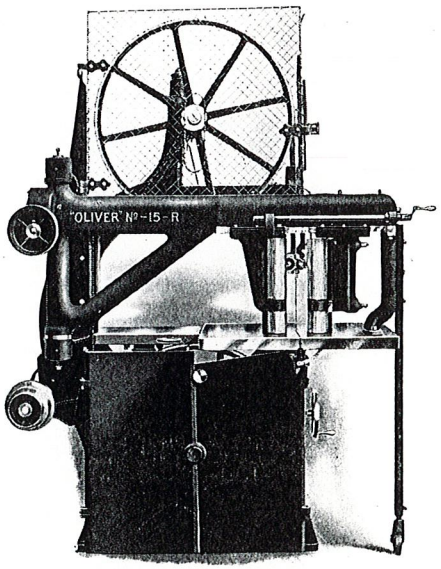
# Band Resaw & Scroll Saw

38-Inch Wheels

*Safely Guarded*




Rear View Showing Belted Motor Drive




Front View Re-Sawing Attachment in Use


# Oliver Machinery Co.

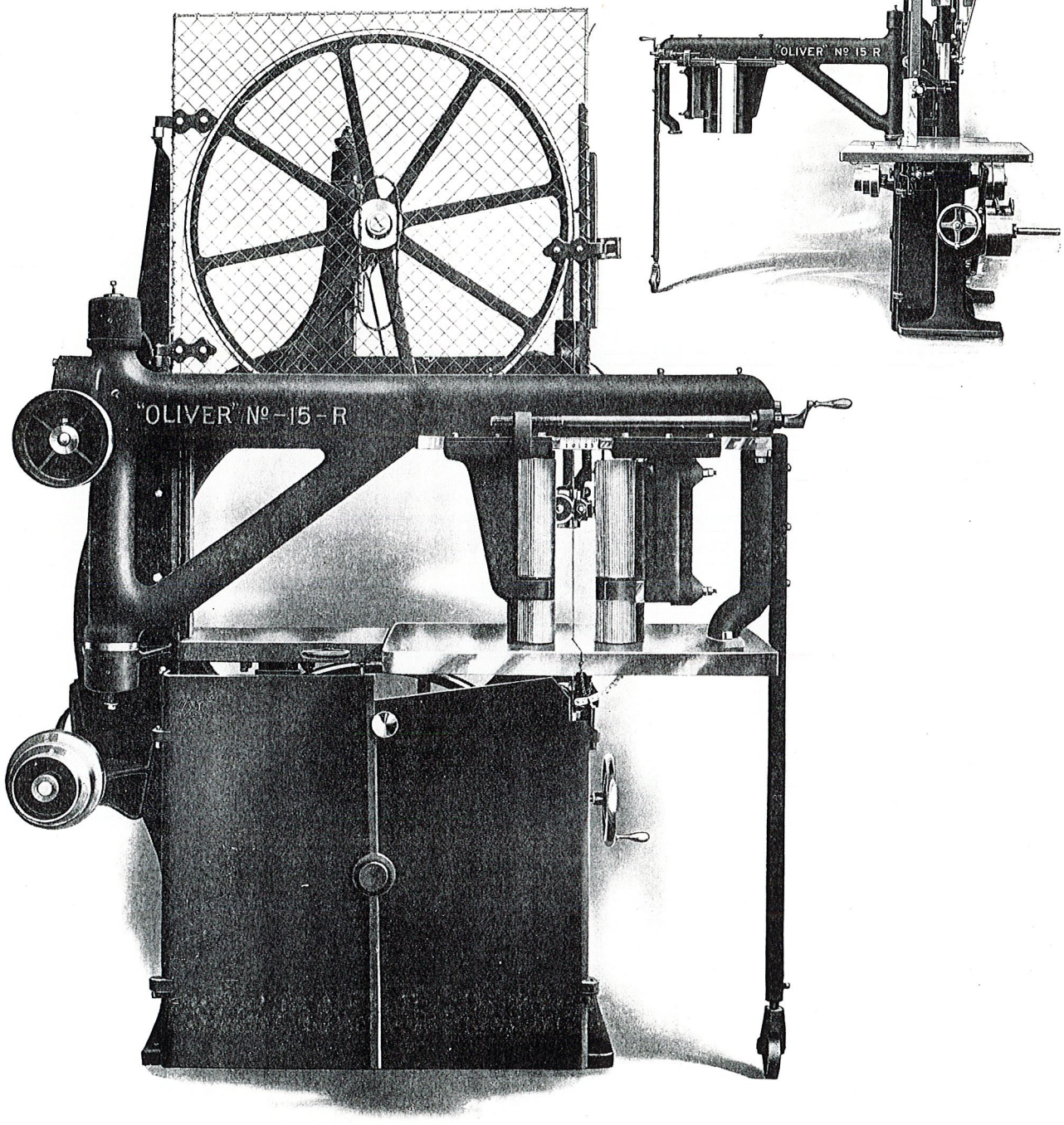
Grand Rapids, Mich., U. S. A.

BRANCH OFFICES:

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

# No. 15-R "Oliver" Band Re-Saw. 38-inch

Note all of the Safety Guards



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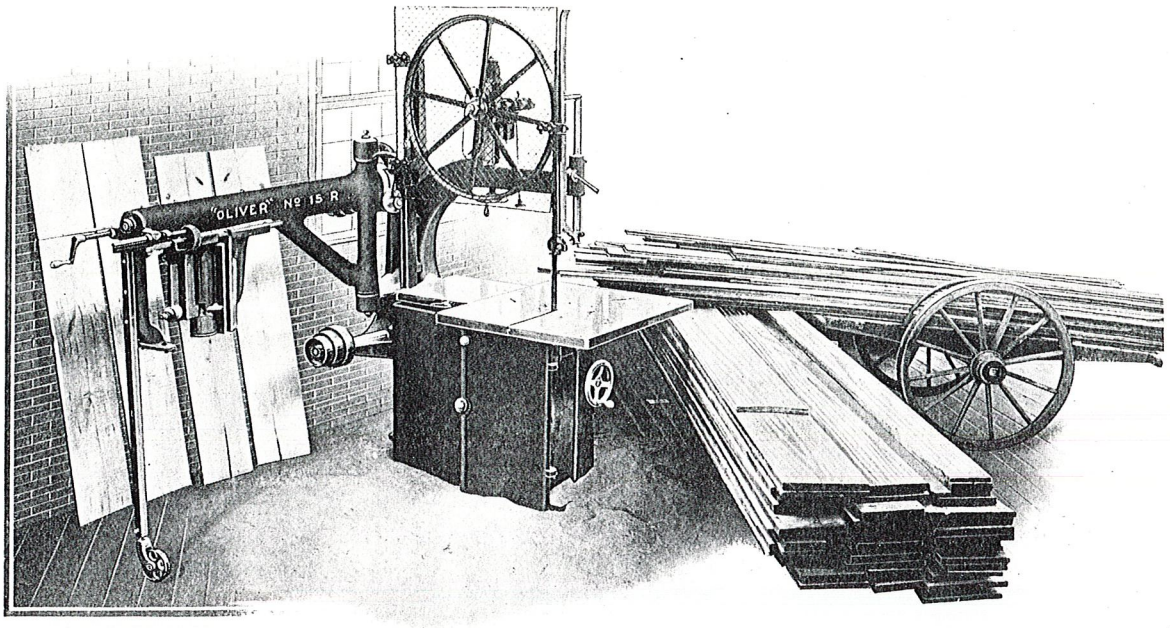



*Utility* — We recommend this as a general utility tool of more than the ordinary merit. Its adaptability to every job that presents itself makes it well nigh indispensable. With its 2½ inch re-saw blade, expensive lumber, such as white pine, cherry, mahogany, etc., can be made thin without making shavings of over half of it. The almost universal rule in practice today is to plane down a one-inch board (or two-inch if one-inch is not in stock) to get ⅜, ½ or ⅝ inch thickness, and with pattern lumber at one hundred dollars or more per thousand feet, the economy is enormous if the waste may be avoided.

*Capacity* — As a Re-saw it will rip by power feed 10, 15, 20 feet per minute stock up to 16 inches wide and 8 inches thick. As a Scroll saw it takes 18 inches under the guide; will saw 38 inches between saw and column. Will saw to 45 degrees to the right and 5 degrees to the left. Saws from 18 feet to 20 feet long and up to 2½ inches wide may be used.

*Economy* — From six hundred to one thousand feet of lumber per hour is its saving by having the reduction in thickness represented by lumber instead of shavings. No further argument should be needed to close a sale.

*Change From Re-sawing to Ordinary Band Sawing* — Is instantly effected by swinging the arm carrying the two corrugated power-driven rolls out of the way and changing saws. All the little refinements of detail that have made "Oliver's" reputation for quality world-wide, are all here, such as proper proportion, correct diameters of spindles and journals, genuine babbitt, a great abundance of material to absorb vibration, and good workmanship, are the points that make our machines last a life time.

*Safety* — A Power Driven Band Re-saw is the only safe way. Many a man has gotten into trouble by trying to re-saw by hand upon an ordinary band saw, and, as a general rule, they don't try to save the lumber that way but once. Note that all the gearing and saws are absolutely guarded and danger from this source eliminated.

*Frame* — 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 degrees one way and 5 degrees the other. It is heavy double ribbed and supported on rockers for angle adjustments. The tilt-

# "Oliver" No. 15-R Combination Band Re-Saw and Scroll Saw

(Continued)

*Table* ing 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. The angles are indicated in degrees, upon the dial at the front of the machine.

*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.

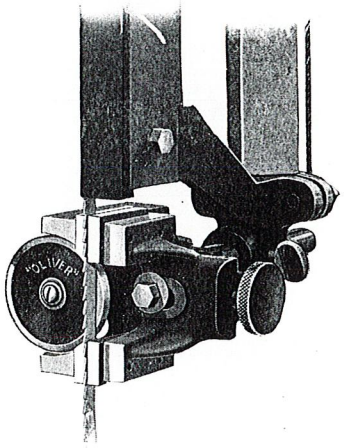
*Wheels* They are of cast iron, 38" in diameter, are machined all over and are given a running balance. Best quality leather bands are cemented to wheels. Upper wheel guarded with heavy wire mesh door supported on cast iron hinged bracket attached to column of machine. The lower wheel is enclosed in 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.

*Countershaft* The countershaft is self-contained, with an outboard bearing for more rigid support. Tight and Loose pulleys, 16" x 5"; speed 500 R. P. M. Loose pulley bronze bushed and fitted with self-oiling devices. 5" belt should be used.

*Horse Power* 7½ to 10 H. P., according to work.

*Equipment* With this machine we regularly furnish one 2½" Re-saw blade, one ½" Band Saw blade, brazing tongs and clamps.

*Motor Drives* Either belted type or direct connected motor drive may be furnished. The belted motor drive as shown on front page of this circular is highly recommended and uses motors up to 1800 R. P. M. The No. 15-S machine has motor bracket direct connected to base, on which 500 R. P. M. motor is placed and direct connected to lower wheel shaft by coupling, or higher speed motors are placed on bracket and geared to lower wheel shaft.

## CODE, WEIGHT, ETC.

| Code | | Description | Domestic Weight | Foreign Weight | Measurement in Cubic Feet |
|---|---|---|---|---|---|
| Dellie | No. 15-R | Machine with self-contained countershaft for belt drive | 4000 | 4600 | 128 |
| Dellish | No. 15-S | Machine without countershaft, with motor bracket | 4000 | 4600 | 128 |