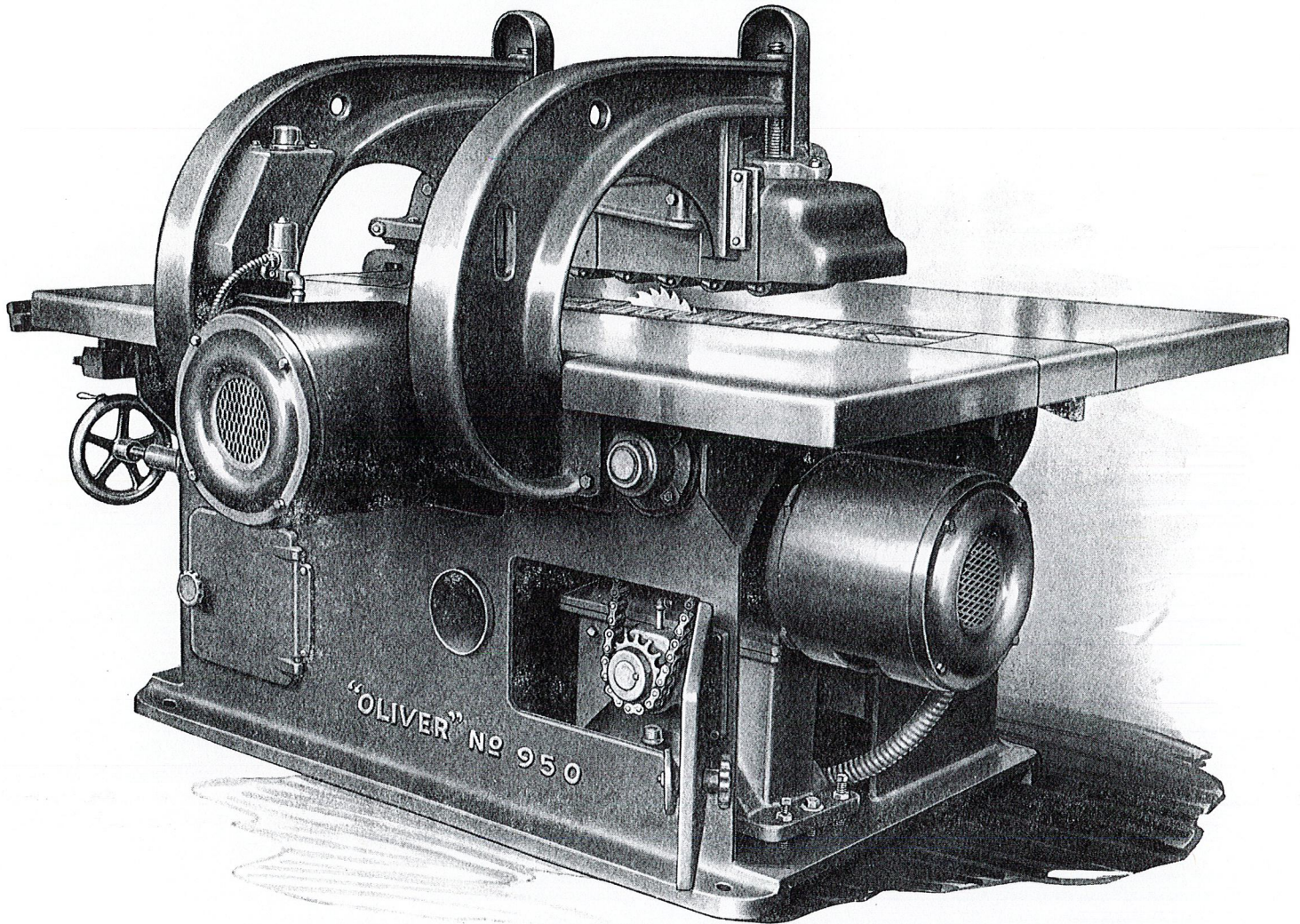


OLIVER MACHINERY COMPANY  GRAND RAPIDS, MICHIGAN, U.S.A.  
NO. 950 'OLIVER' PERFECT STRAITLINE RIPPER



Rear View from the Right Side, Showing Four-Speed Feed Motor Unit, the Saw Arbor Motor Unit, and the Extra Heavy Pressure Arms.

pletely to the motors ready for use as soon as the line wires are connected. 10 h.p. is recommended for work up to 2 inches thick ; 15 h.p. is recommended for work up to 3 inches thick; 20 h.p. is recommended for work up to 4 inches thick.

### Saw Arbor

The saw arbor is  $2\frac{1}{4}$  inches diameter between the bearings, and is 2 inches diameter where the saw is applied. It is made of crucible steel ground and finished perfectly true, running in extra precision ball bearings, with the saw motor mounted directly on the rear end of the arbor, and the entire unit supported by the saw arbor housing which is carried

directly on the base of the machine against finished ways, and adjusted vertically by means of handwheel, spiral gear and raising screws, to provide convenient way for adjusting the height of the saw above the table to suit different diameters of saws that may be used. In practice it is only necessary to raise and lower the pressure unit for varying thicknesses of stock to be ripped, paying no attention to the height of the saw, except for initial setting.

### Saw Collars

Saw collars are  $8\frac{1}{4}$  inches diameter, with special design having outer pressure lip which stiffens the saw blade materially and assures straight line cutting.

### Saw Blade

Opening a door for the saw chamber gives very convenient method for removing the saw from underneath the table. The type of saw to be used depends somewhat on the type of work to be performed. Expert recommendations furnished when required.

### Chain Feed

This is composed of 72 links, 4 inches wide,  $3\frac{1}{8}$  inches long, and  $1\frac{1}{2}$  inches thick. The chain is guided by an ingenious arrangement of multiple steel angle grooves in the renewable track and corresponding grooves in the chain. The chain bed

or track is heavy, well ribbed, and crossribbed for rigidity, and provided with convenient vertical adjustment for perfect alignment. Automatic lubrication in the multiple "V" grooves, assuring long life and easy operation. A one-piece sprocket or cam at the rear end of the chain applies power, and at the front end two segment cams with "V" tracks provide a very convenient and positive control over the stock so that straight or hollow joints can be made at will. It is absolutely impossible for one chain to get out of alignment with the other. The top of the chain is corrugated both ways to give maximum gripping power. The chain and chain race are made of an iron, nickel and chrome alloy.

### Pressure Rolls

The pressure unit housing measures approximately 45 inches long. Distance center to center of the outside pressure rolls is 32 inches. There are sixteen 4-inch diameter pressure rolls mounted on hardened and ground shafts 3/4 inch diameter and suspended in pairs. The pressure roll

springs require a force of 75 lbs. to compress 3/4 inch. The pressure bar locks into position after set for height. Special design of these rolls utilizes several times the bearing surface that is used on other type of pressure rolls, assuring long life and dependability. They operate on anti-friction sealed bearings.

### Feed Works

Worm and worm gear totally enclosed splash lubricated speed reducing mechanism, with bronze worm gear measuring about 18 inches diameter and steel worm carried by steel shaft running in high grade ball bearings, reduce the speeds of the four-speed motor to give steady dependable drive to the ball bearing shaft that carries the one-piece steel sprocket which operates the feed chains. The entire feed works as a unit can be easily removed from the machine, if ever necessary, for convenient check-up.

### Lubrication

Full automatic sight oilers fed from reservoir tank with electrically operated valves, automatically lubricate

the chain runways only when the chain is operated, and the oil is automatically shut off when the chain is not run, eliminating dependence on the operator's memory for turning the lubricating valves on or off. The saw motor bearings are lubricated from a single station by means of oil cups brought near the rear of the saw arbor. The feed works is lubricated by splash system from the oil tank, filled only periodically up to the gauge provided for same. Thus the simplest, yet most effective lubricating system, is provided.

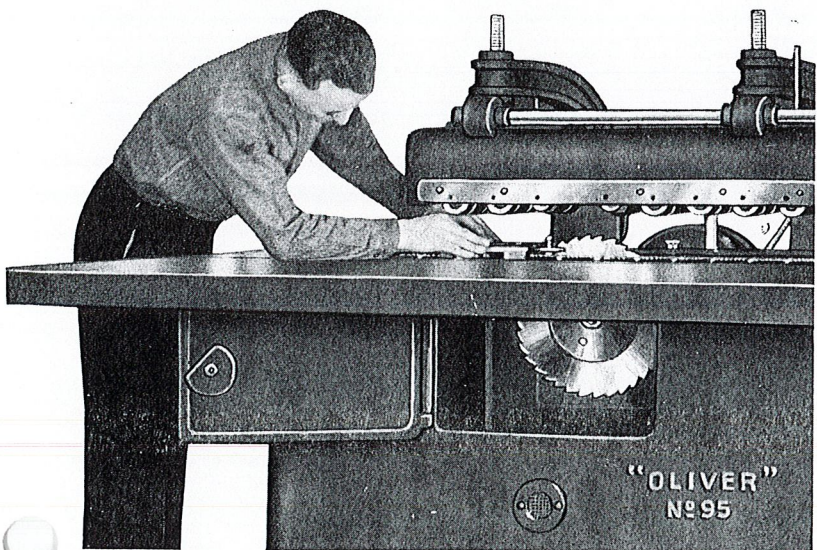
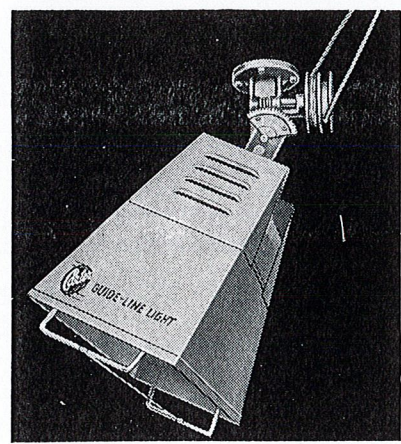
### Equipment

Machine complete with saw and feed motors and controllers, wired ready for use, including one 14-inch diameter saw, necessary operating wrenches, and Jointing Attachment to enable convenient, yet sure, way of jointing the saw on its own arbor while running.

### Floor Space

At floor line, approximately 67 x 41 inches. Total overall measurement, approximately 75 inches wide, 88 inches long.

The new improved Carter Guide-Line Light is a desirable attachment for every rip saw.



View Showing Use of Jointing Attachment.

### CODE, WEIGHT, ETC.

Machine Description	Weight in Pounds		Cubic Feet
	Crated	Boxed	
No. 950 "OLIVER" Straitline Ripper, with regular equipment .....	4850	5500	210

### EXTRAS

- Dandi 15 h.p. Motor On-Arbor instead of regular 10 h.p.
- Dando 20 h.p. Motor-On-Arbor instead of regular 10 h.p.
- Carbide Tipped Rip Saws.

