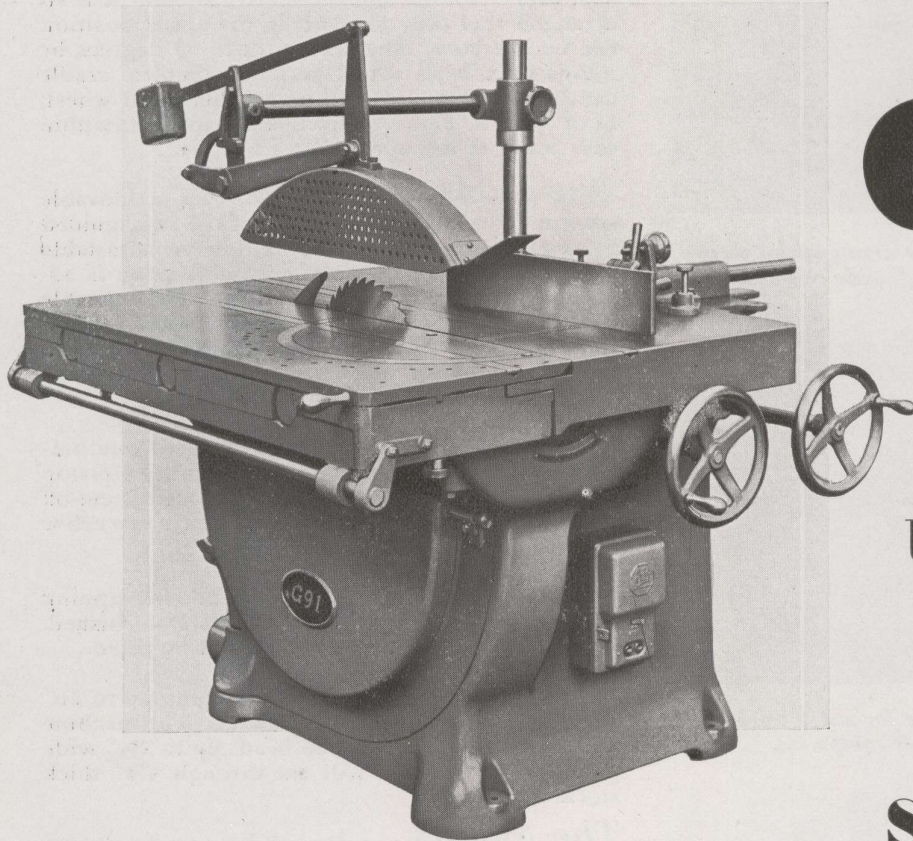


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• **YATES-AMERICAN** •

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**G-91**

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**Universal  
Double  
Tilting  
Arbor  
Saw Bench**

***Direct Motor Driven***

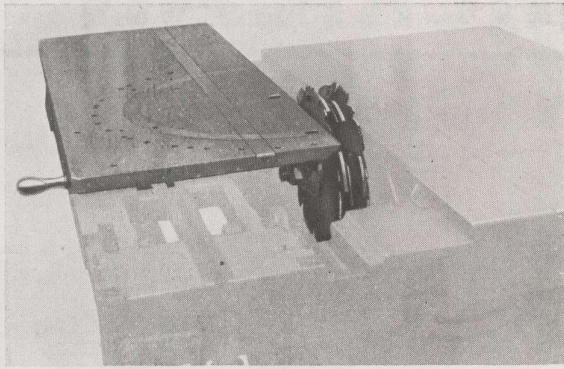
**T**HE G-91 Universal Double Tilting Arbor Saw Bench is the foremost machine of its type on the market today. It has two saw arbor units which revolve on a cradle within the frame of the machine, so that either one of them can be brought up to operating position. Each unit consists of the motor whose extra heavy shaft carries the saw. The motor is totally enclosed, fan cooled, dust-proof running in ball bearings. The machine is provided with gauges and adjustments

to enable the operator to make the necessary sets easily and accurately. It will cut a true mitre, will cut off to length and rip to width, all without previous calculation or reference to rule and it can be instantly and accurately set for cutting any angle. It is a high grade precision tool throughout, and with the tilting arbor feature by which the table is always level, the operator can cut mitres of any degree with the greatest of ease while standing in a convenient position.

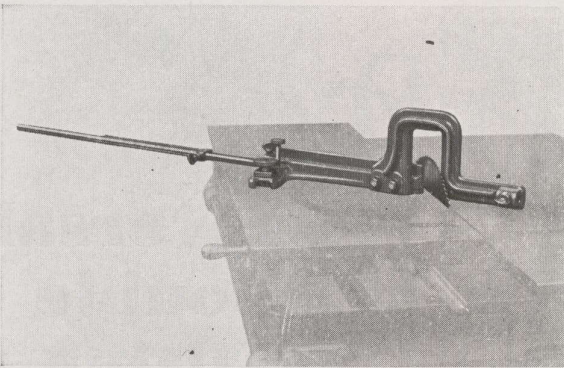
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• **DOUBLE ARBOR SAW** •

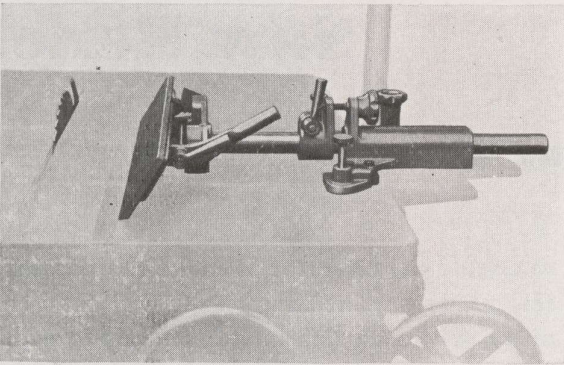
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*Roller bearing sliding table arranged for dado work. Dado heads up to 2½" wide can be used.*



*A pin stop cut-off gauge for mitre work is furnished as regular equipment.*



*A Universal micrometer ripping fence, which tilts to 45 degrees, is furnished as regular equipment.*

**The Frame** . . is a one-piece casting within which is mounted the revolving cradle carrying the saw arbor units. The dust chute is part of this tilting frame or cradle. A door on the tilting frame gives easy access for changing saws.

**The Arbors** . . one for rip and one for cross cut saws, are mounted on a revolving cradle so that either one can be brought up to operating position. The saws are mounted on the shafts of individual ball bearing, totally enclosed, fan cooled, dust-proof motors, and the electrical control is so arranged that only the unit in the upper position can be operated. The arbors tilt to 45 degrees by means of a hand wheel and the complete cradle can be raised or lowered by another hand wheel; both wheels being conveniently located within easy reach of the operator.

**The Table** . . is 40"x48" with a movable section 17" wide placed to left of the saw, guided by tongue and groove, and sliding on adjustable ball bearing rollers. This movable section is adjustable to the left for dado work. The movable section is provided with a graduated sector marked in degrees and the main table is ruled for ripping. As the saw arbor units tilt, the table always remains stationary in a horizontal position.

**Four Gauges** . . are furnished: one universal micrometer ripping fence, one mitre pin-stop cut-off gauge and two universal mitre cut-off gauges; also a cut-off stop rod. The rip saw arbor is provided with a splitter.

**Two Saws** . . 16" diameter, one for ripping and one for cross cutting are regularly furnished. A 20" saw can be used but it cannot be tilted.

**The Capacity** . . is for ripping up to 26" wide and cutting off up to 31" wide. The machine will take 12" diameter dado heads up to 2½" wide and with a 16" saw will cut through 4⅛" thick stock.

**The Motors** . . are ball bearing, totally enclosed, fan-cooled, dust-proof, each 5 H.P., 3600 R.P.M., for either 220, 440 or 550 volt, 2 or 3 phase, 50 or 60 cycle current, and are controlled by push button operated magnetic switches with overload and undervoltage protection, with the switches so arranged that only the motor in the upper position can be operated.

#### SPECIFICATIONS

Two saw arbor units, driven by individual 5 H. P. 3600 R.P.M. motors; arbors 1⅝" diameter where saw fits, with removable extensions for dado heads up to 2½" wide, arranged to tilt to 45 degrees. A stop pin holds the arbor for changing saws.

Table 40"x48"; 35" above floor; movable section 17" wide, with travel of 26".

Saws, one 16" 14 gauge for ripping and one 16" 14 gauge for cross cutting. A 16" saw projects 4⅛" above table. A 20" saw can be used but it cannot be tilted.

Capacity, for ripping up to 26" wide, and cutting off up to 31" wide. Will take 12" diameter dado heads up to 2½" wide.

## YATES-AMERICAN MACHINE COMPANY

General Offices: BELOIT, WISCONSIN, U. S. A.

• DOUBLE ARBOR SAW •