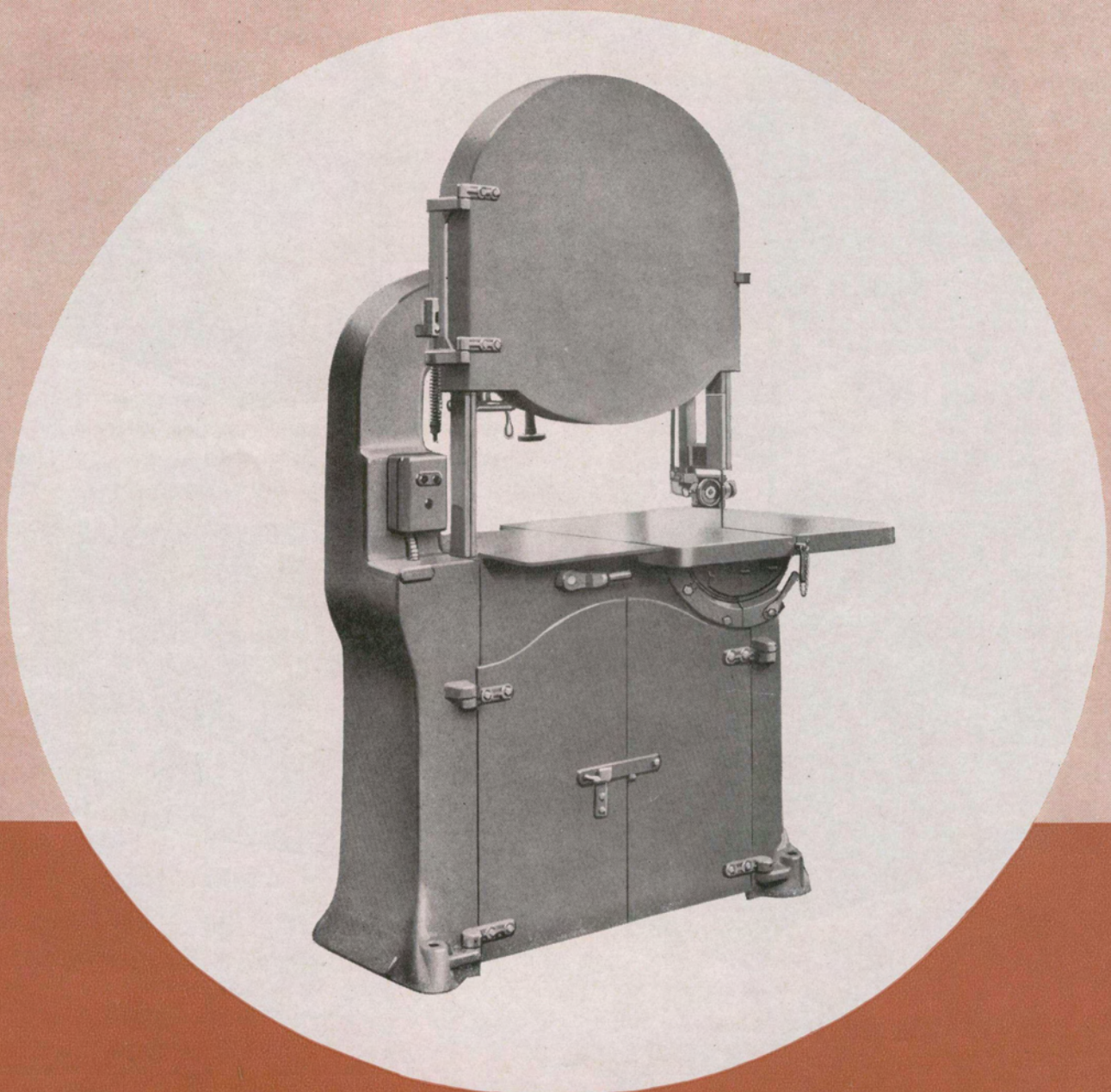


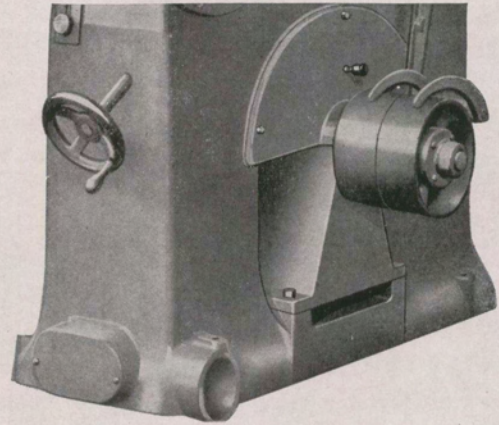
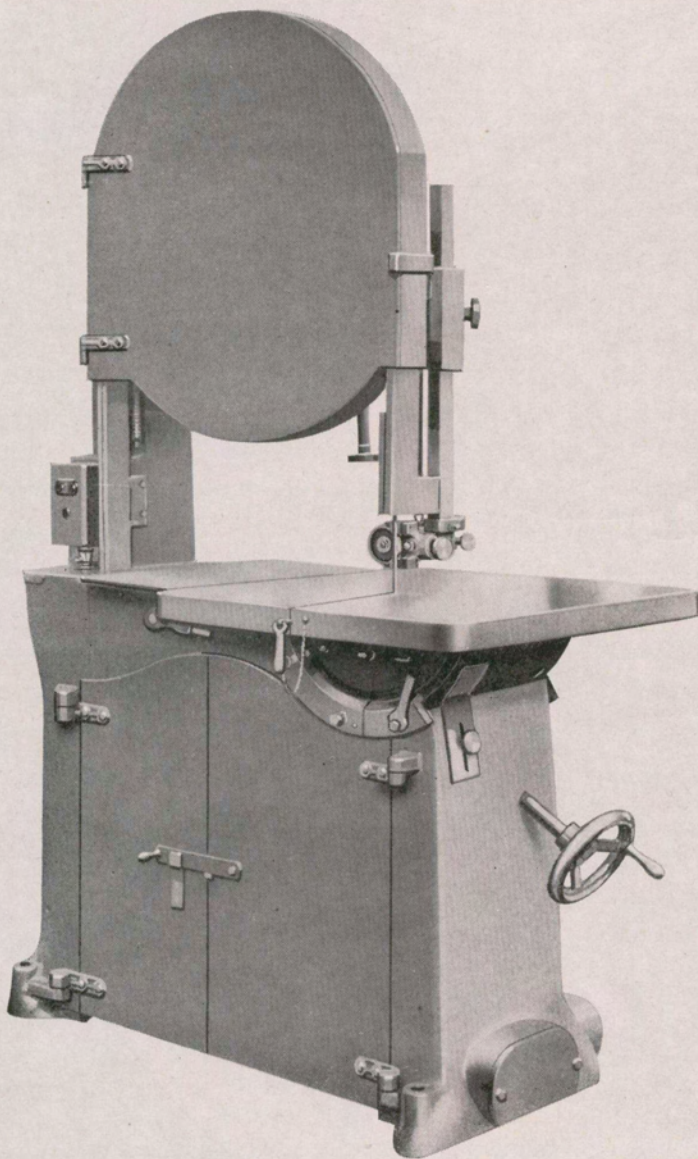


MACHINES FOR THE WOODWORKING INDUSTRY

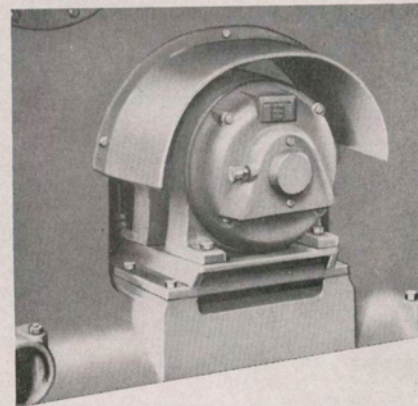


# Y-30 30" BAND SAW

**YATES-AMERICAN**



Belt Drive



Direct Motor Drive

**Capacity:** Distance from saw blade to column, 29½" with the saw guard in place. Distance under the guide 16". This can be increased to 18" when the guard is removed. Blades up to 1½" in width can be used. Longest blade 17'-2" — shortest blade 16'-6".

**Frame:** One-piece casting, combination straight and "goose neck" type, with wide flaring base. A heavy plate-type motor mounting is cast into the frame. This rigid mounting eliminates any possibility of misalignment. A dust chute with an outlet at the floor line in the rear of the machine is also cast into the frame.

**Tables:** The main table is 28" x 30", of reinforced cast-iron construction, and rests upon a rigidly mounted gibbed cradle 13" wide. The table tilts 45° to the right and 10° to the left, by means of a worm and gear segment operated by a hand wheel conveniently located at the side of the machine. The tilting device is self-locking and is equipped with an easily read index scale. The table surface is 38½" from the floor level. An auxiliary table 15" x 22" in size is also provided.

**Wheels:** Disc-type, 30" in diameter, with a 1½" face. The upper wheel runs in roller bearings — the lower

# 30" SCROLL BAND SAW

wheel in ball bearings on DMD models, and in roller bearings on the VBD and BD models. Both are grease lubricated. The upper wheel mounting moves in carefully machined gibbed ways. The upper wheel is provided with a knife edge spring tensioned straining device, which is extremely sensitive and maintains the proper blade tension at all times. For the operator's convenience, a gauge and indicator shows the proper tension for each size saw blade. A hand wheel for tracking the saw is conveniently located within easy reach of the operator. This tracking adjustment can be made while the machine is in operation. The lower wheel is mounted directly on the motor shaft with a self-centering sleeve. Two sheet metal doors enclose the lower wheel, while one sheet metal door-type guard encloses the upper wheel. The saw blade is completely guarded at all points except at the actual point of cut. Roller guides, one above and one below the table, are provided. Both wheels are rubber covered. The guide bar is counterbalanced by a special spring sash balance.

**Brakes:** A quick-acting, automobile-type internally expanding drum brake in the hub of the lower wheel stops the wheel and saw instantly and surely. The brake is operated by means of a hand lever at the front of the machine. Regular brake shoe lining is used, and the brake is adjustable for wear, the same as an automobile brake.

**DMD Drive:** 3 H.P., 720 R.P.M., ball bearing, alternating current, 2 or 3 phase, 60 cycle, 220, 440 or 550 volt motor equipped with a magnetic starter with overload and undervoltage protection and with a start and stop push button station.

**VBD Drive:** 3 H.P., 1800 R.P.M., ball bearing, alternating current, 2 or 3 phase, 60 cycle, 220, 440 or 550 volt motor is mounted on a bracket at the rear of the machine and vee belted to the lower wheel shaft. Drive includes the belt and belt guard, magnetic starter with overload and undervoltage protection, and the start and stop push button station.

**BD Drive:** Tight and loose pulleys 10" x 4½", 600 to 900 R.P.M.

**Equipment:** One ¾" 21 gauge band saw blade.

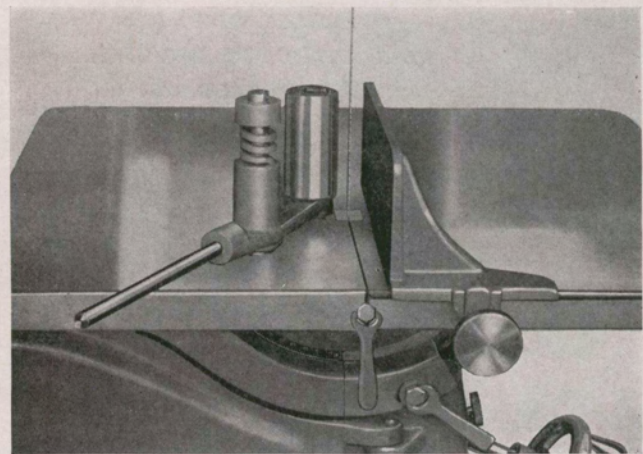
Code	Type	Floor Space	Weight
AKOCN	BD	4'-5" x 2'-10"	2000 lbs.
AKODP	VBMD	5'-8" x 2'-10"	2300 lbs.
AKOFR	DMD	4'-5" x 2'-10"	2300 lbs.

## EXTRA EQUIPMENT

CYULR	Solenoid brake for lower wheel instead of regular hand brake.
CHUML	Ripping fence.
CEBOP	Splitting gauge and spring roll.
CHUSR	Upper and lower Newell guides instead of regular guides.
COUSL	One pint YAMCO rubber cement with instructions for putting on rubber bands.

## ALLOWANCES

CLOFD	For omitting loose pulley.
CUPIL	For omitting hand brake.
DAEDW	3 H.P., 900 R.P.M. motor instead of 3 H.P., 720 R.P.M. motor.





Splitting Gauge and Spring Roll

# T H E



# L I N E

Engineering leadership has always been maintained at a high level at Yates-American. Ever since the inception of the company in 1883 when a Yates-American machine was first introduced to the woodworking industry, until the present time this leadership has remained unchallenged. During the intervening years so many improvements were pioneered by this company that the industry as a whole soon looked to Yates-American for leadership. Most of the developments which are today accepted as standard were first designed and introduced by Yates-American engineers. The  Line machines, thousands of which are daily establishing enviable records for fast, accurate production in factories and mills all over the world, are the natural result of the foresight reflected in a long range program of research, development and design. From a brief study of the machines listed below, it is immediately apparent that only Yates-American offers such a complete line. We believe that we can safely say that no other group of similar-size machines can offer so much in the way of sturdy, substantial construction, modern design, built-in safety features, low maintenance costs and long life. The  Line consists of a complete selection of machines commonly used in cabinet and pattern shops, millwork plants, crating and shipping rooms, toy and novelty factories, schools and industrial plants—in short almost anywhere that woodworking machines are needed. They represent the accumulated experience of long years of solving the problems of the woodworking industry. They represent a background unmatched by a single manufacturer in the field. All of these factors are your assurance of the same distinct satisfaction which is being enjoyed by a host of Yates-American owners everywhere.

HAND JOINTER  
HOLLOW CHISEL MORTISER  
POWER FEED MORTISER  
SINGLE SPINDLE SHAPER  
DOUBLE SPINDLE SHAPER  
24" SINGLE SURFACER  
PATTERN MAKER'S LATHE  
TILTING ARBOR SAW

UNIVERSAL BENCH SAW  
CUT-OFF SAW  
MOTORIZED SWING SAW  
MOTORIZED SAW ARBOR  
30" SCROLL BAND SAW  
36" SCROLL BAND SAW  
HAND BLOCK SANDER  
BALL BEARING GRINDER

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