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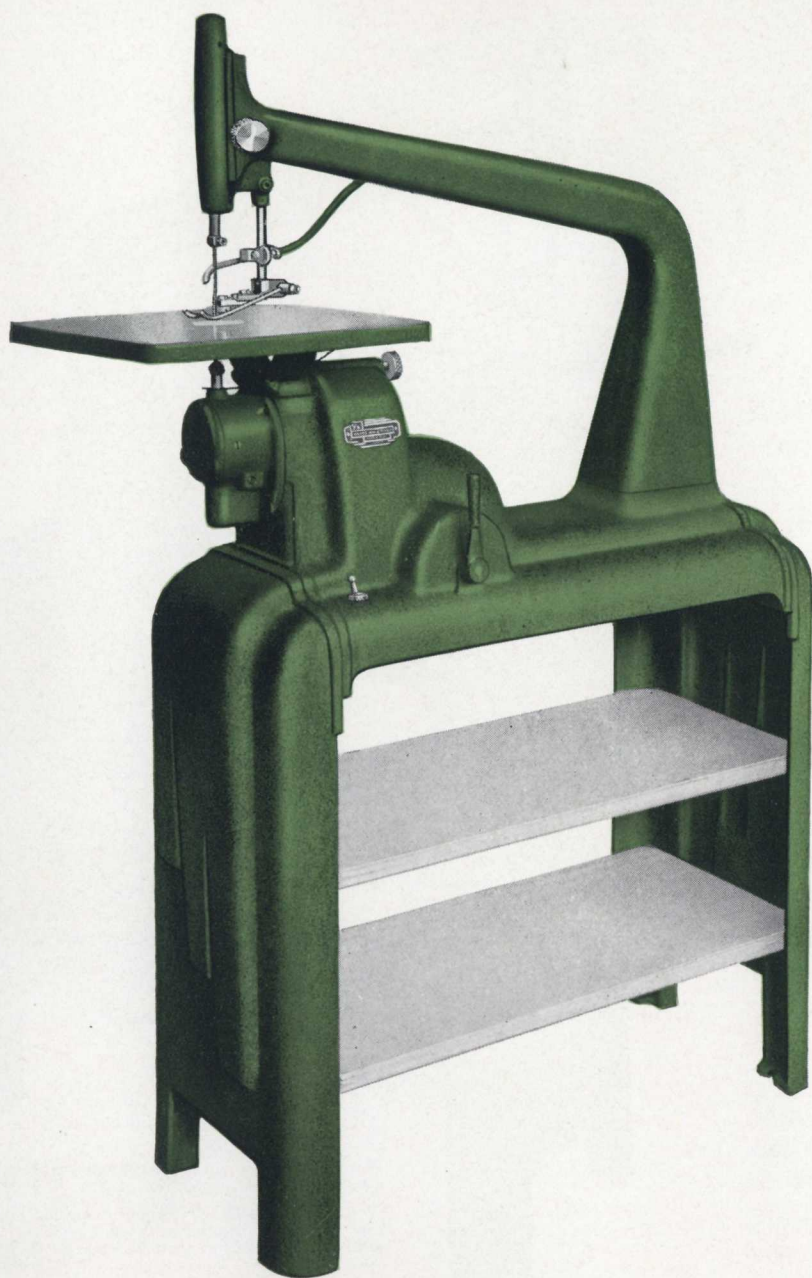
HOME

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SCHOOL

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INDUSTRY



**W-70
JIG SAW**

YATES-AMERICA. ↓

YATES - AMERICAN

NOTE THESE FEATURES

- *Blade Tensioning Device*
- *Spring Type Hold-down*
- *Adjustable Air Nozzle*

Smoothness of operation and flexibility are without a doubt the two most desired features in a jig saw. The Yates-American W-70 has both!

One reason it meets these requirements so easily is MULTISPEED Drive, that exclusive feature which provides any rate of speed from 700 R.P.M. to 1800 R.P.M. by simply moving a convenient lever. As a positive and smooth means of power transmission it is unequalled. It is safe—it is convenient. No belt handling or motor shifting is necessary. The saw may be run at high speeds for straight cutting or retarded when intricate patterns are encountered.

The extra heavy cast-iron frame contributes to smooth operation, as does perfect synchronization of the top and bottom plungers.

The W-70 Jig Saw is equipped with a rack and pinion blade tensioning device which is simple in operation and can be adjusted while the machine is running. As a result it is a simple matter to get just the right amount of tension on the blade.

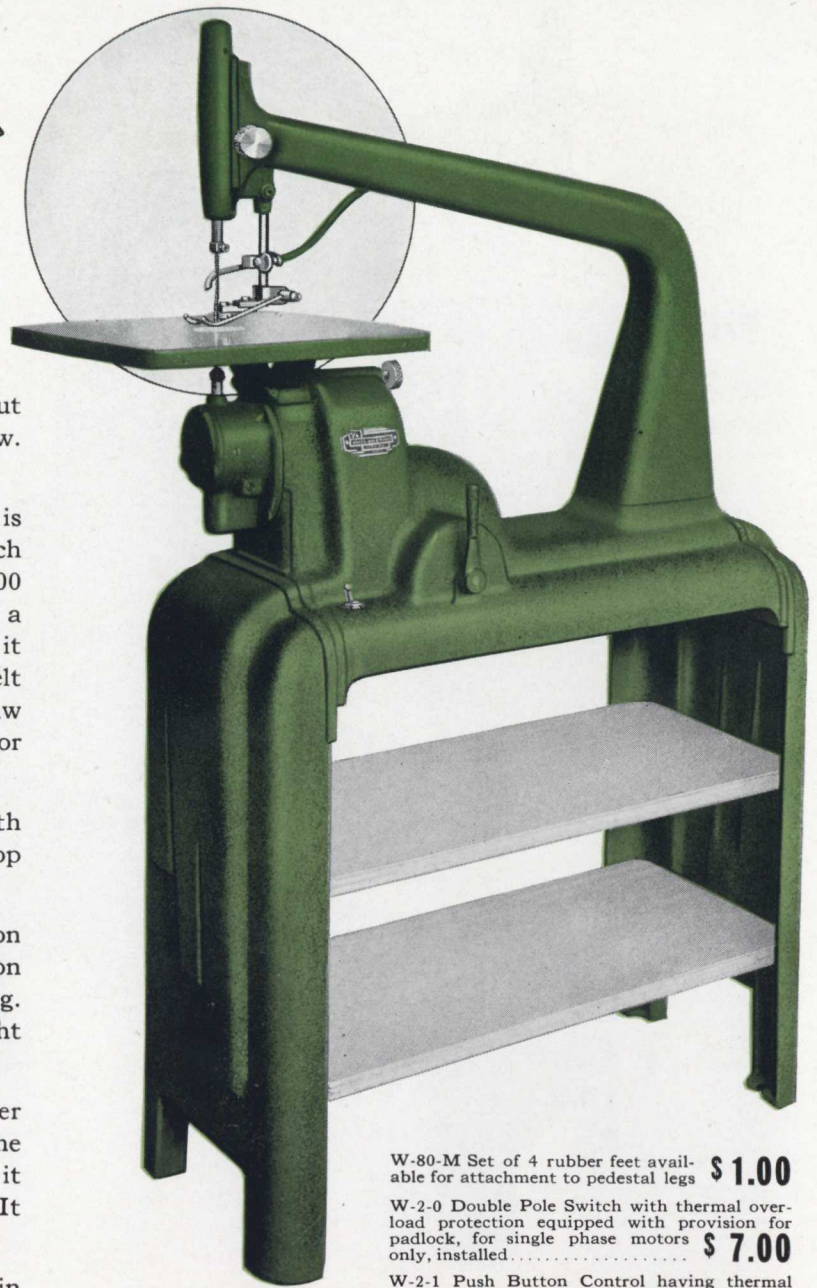
A quiet operating, totally enclosed, rotor-type blower is furnished. Because it is mounted directly on the motor and operates constantly at motor speed it supplies a uniform volume of air at all saw speeds. It has no piston, valves or plungers to wear out.

Smooth in operation—this jig saw is also smooth in appearance. Full enclosure of working parts . . . smooth, rounded surfaces . . . modern lines . . . all greatly enhance its appearance and provide one more reason why you should choose this machine for your shop.

Complete with MULTISPEED Drive, ball bearing; upper and lower guides adjustable for width and thickness of blades; adjustable spring hold-down; two jaw universal chucks; table tilting 45° right or left without interference; 3-piece rotary dust blower; cast iron base, pedestal legs and two shelves; with 1/3 horsepower, 110, 60 cycle, single phase, split phase, ball bearing Motor. . . **\$66.55**

With 1/3 horsepower, 110/220, 60 cycle, Repulsion-Induction Motor. . . **\$73.25**

With 1/3 horsepower, 220, 60 cycle, 3 phase Motor. . . **\$72.95**



W-80-M Set of 4 rubber feet available for attachment to pedestal legs **\$1.00**

W-2-0 Double Pole Switch with thermal overload protection equipped with provision for padlock, for single phase motors only, installed. . . . **\$7.00**

W-2-1 Push Button Control having thermal overload protection, for 3 phase motors, installed. . . . **\$10.00**

SPECIFICATIONS

Table:—Nickel alloy, cast-iron, heavily ribbed, tilts 45 degrees either way, 14" x 14", height from floor 39 1/2".

WIDTH OF THROAT:—24".

THICKNESS CAPACITY:—2 1/4", with 6" blades.
1 1/4", with 5" blades.

LENGTH OF STROKE:—1".

RANGE OF SPEEDS:—700 to 1800 R.P.M.

SPEED CONTROL:—Continuous within the range, controlled by convenient lever on side of frame. All moving parts enclosed.

BEARINGS:—Ball bearings, sealed.

GUIDES:—Above and below table.

HOLD-DOWN:—Independently adjusted. Spring Type.

LUBRICATION:—Constant oil bath type.

BLOWER:—Rotary blower, constant volume at all speeds. Nozzle universally adjustable independent of the saw guide.

OVERARM:—One piece, cored cast-iron. Bolted directly to base. Removable.

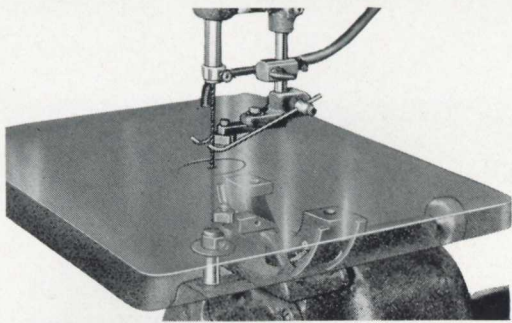
MODELS:—Floor and Bench.

MOTOR:—Built-in, 1/3 H.P., single phase, split phase—1/3 H.P., Repulsion-Induction—1/3 H.P., 3 phase.

SHIPPING WEIGHT:—Floor Type—240 lbs. Bench Type—190 lbs.

FLOOR SPACE:—39" x 14".

W-70 JIG SAW

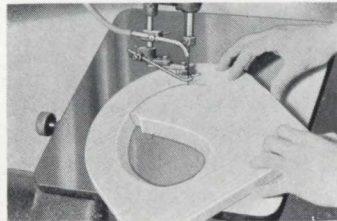


The 14" x 14" table with its full unbroken working surface on all sides of the blade can be tilted 45° to either the right or left. The two jaw chuck can be rotated 90° for working long stock from the side of the machine.

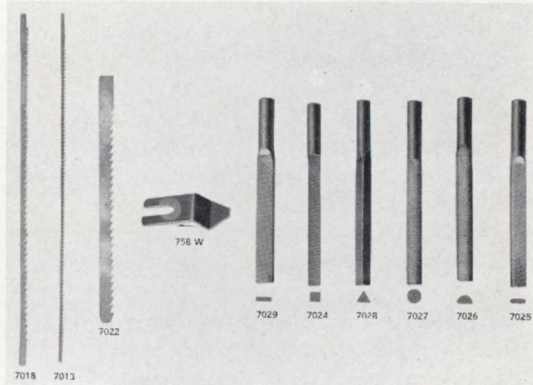
Two guides are regularly furnished—one above and one below the table. They give rigid support to the blade and prevent twisting . . . automatically align the blade and make it possible to insert new ones easily and quickly. Breakage is minimized and the cutting of intricate patterns and small diameters is made easier. No bulky complicated devices obscure the operator's vision or cast disturbing shadows. The use of two guides

is an exclusive Yates-American feature. The spring type hold-down may be adjusted independently of the guides, operates with the table in any position, and can be varied to provide light or heavy pressure.

The air nozzle of the blower system can also be adjusted independently of the guides to suit the individual preferences of the operator.



ACCESSORIES



JIG SAW BLADES—All blades are of the highest quality. They are carefully tempered, accurately spaced and hardened for long life.

INDIVIDUAL GUIDES:—758W
—Complete set of 6 individual guides for use with the W-75, 12" Jig Saw. The guides are quickly interchangeable to fit various sizes of blades. Set of six guides. \$1.00

Bench Type Model

In some instances the bench type model better meets local requirements or preferences. It is offered with the same motors as the floor type model;

- With 1/8 horsepower, 110, 60 cycle, single phase, split phase, ball bearing motor **\$59.35**
- With 1/8 horsepower, 110/220, 60 cycle, R-I Motor **\$66.05**
- With 1/8 horsepower, 220, 60 cycle, 3 phase Motor **\$65.75**

MACHINE FILES:—A set that covers all average requirements. Only the finest quality file stock is used. They are properly heat-treated for long life.

5" BLADES		
Thickness and Width	Teeth per Inch	Per Doz.
7011 . . . . .	.008 x .035	21
7012 . . . . .	.010 x .045	18
7013 . . . . .	.016 x .054	20
7014 . . . . .	.020 x .070	32
7015 . . . . .	.020 x .070	15
7016 . . . . .	.020 x .110	20
7017 . . . . .	.020 x .110	15
7018 . . . . .	.020 x .110	10
7019 . . . . .	.028 x .187	10
7020 . . . . .	.028 x .250	20
7021 . . . . .	.028 x .250	7

6" BLADES		
Thickness and Width	Teeth per Inch	Per Doz.
7040 . . . . .	.020 x .070	15
7041 . . . . .	.020 x .110	20
7042 . . . . .	.020 x .110	15
7043 . . . . .	.020 x .110	10
7044 . . . . .	.028 x .187	10
7045 . . . . .	.028 x .250	20
7046 . . . . .	.028 x .250	7

SABRE BLADES—4 1/2" LONG

7022 . . . . .	.028 x .187	10	\$.80
7023 . . . . .	.028 x .250	7	.90

3/8" SHANK		1/4" SHANK	
7031 square	\$.85	7024 square	\$.90
7032 crochet . . . . .	.85	7025 crochet . . . . .	.90
7033 1/2 round . . . . .	.85	7026 1/2 round . . . . .	.90
7034 round . . . . .	.85	7027 round . . . . .	.90
7035 3-square . . . . .	.85	7028 3-square . . . . .	.90
7036 pillar . . . . .	.85	7029 pillar . . . . .	.90
7037 lozenze . . . . .	.85	7030 complete set	5.40
7038 knife . . . . .	.85		
7039 complete set	6.80		

W-75 Blades and Files, same as used on the W-70, 24" Jig Saw. Only files with 3/8" shank can be used on W-75.

W-75 Jig Saw

The W-75 Jig Saw is the ideal machine for those who wish to make a modest beginning in shop work. It is unusually heavy for its size. This extra weight makes for smooth, quiet operation . . . also provides greater strength and rigidity. The crankshaft is supported by high quality sealed ball bearings . . . reciprocating mechanism is entirely enclosed and runs in a bath of oil . . . the ribbed cast-iron table which tilts 45° right or left is carried on heavy trunnions . . . the truss-type over-arm is massive in construction.

Complete with tilting table; vise-type blade holders; universal saw guide and hold-down; 3" pulley on arbor; ball type check valve air pump built-in and W-355 base. Ball bearing. Upper and lower plungers enclosed safe and free of grit. Lower plunger runs in bath of oil. . . . **\$14.75**

SPECIFICATIONS

Table:—Heat treated nickel-alloy cast iron, heavily ribbed, 9" x 9".

Tilt:—45° right and left at the saw line.

Width of Throat:—12".

Thickness Capacity:—2" with 5" saw.

Length of Stroke:—3/4".

Speed:—Up to 1200 R.P.M. recommended.

Drive:—Belt drive only.

Shipping Weight:—47 lbs.

Bearings:—Ball bearings, sealed type.

Hold Down and Guide:—Universally adjustable. Extra set of 6 guides available to permit use of all sizes of blades. Only files with 3/8" shank can be used.

Lubrication:—Constant oil bath type.

Dust Disposal:—Built-in air pump with ball-type check valve.

Frame:—One piece, cast iron, with heavy truss-type overarm.



THE

W

- LINE

- W-14 14" BAND SAW
- W-16 16" BAND SAW
- W-20 LATHE
- W-25 COMBINATION
- W-30 DRILL PRESS
- W-40 4" JOINTER
- W-50 8" CIRCULAR SAW
- W-70 24" JIG SAW
- W-75 12" JIG SAW
- W-80 GRINDER
- W-90 4" BELT SANDER
- W-95 10" DISC SANDER
- W-110 SHAPER
- W-120 BENCH VISE

In the Yates-American "W" Line are incorporated many features of design not found in any other small machine group. It is, for example, the only line which furnishes MULTISPEED Drive on four machines . . . a drive which provides a stepless range of speeds from 700 to 1800 R.P.M. on the jigsaw and 800 to 4000 R.P.M. on the lathe, drill press and combination without changing a belt, shifting the motor or stopping the machine.

It offers numerous exclusive safety features . . . all of which are built-in as an integral part of the machine. Moving parts are fully enclosed . . . controls are conveniently located . . . adjustments can be made without endangering the operator.

We believe we can safely claim that no other line of small machines quite equals the "W" Line in appearance. Modern without being extreme, "W" machines have every earmark of quality and refinement. Their smooth-flowing, attractive lines are in keeping with their advanced construction features.

The unusual strength of these machines is another outstanding feature. Extra heavy and rigid . . . trussed against every strain . . . they stand up under severe operating conditions. Cast iron is used judiciously to provide weight and rigidity . . . steels are selected to meet special requirements . . . large and heavy bearings are used throughout.

Bear in mind that in these tools you receive the entire benefit of our 56 years of experience in manufacturing quality woodworking machines for industrial use. Today, Yates-American is the world's largest manufacturer of woodworking machinery—the acknowledged leader in its field.

The plant covers 10 acres with more than 440,000 square feet of floor space. Complete research, engineering, pattern shop, foundry, machine shop and assembly facilities are coordinated to produce machines that are practical and modern in every respect . . . for use in home workshops, schools and industrial plants.

The Yates-American Machine Company reserves the right to make changes or improvements on its "W" machines without incurring any obligation to make similar changes or improvements on machines previously sold. Prices subject to local, state or federal sales tax wherever such taxes are in force.

YATES-AMERICAN MACHINE COMPANY • BELOIT, WISCONSIN

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PRINTED IN U. S. A.