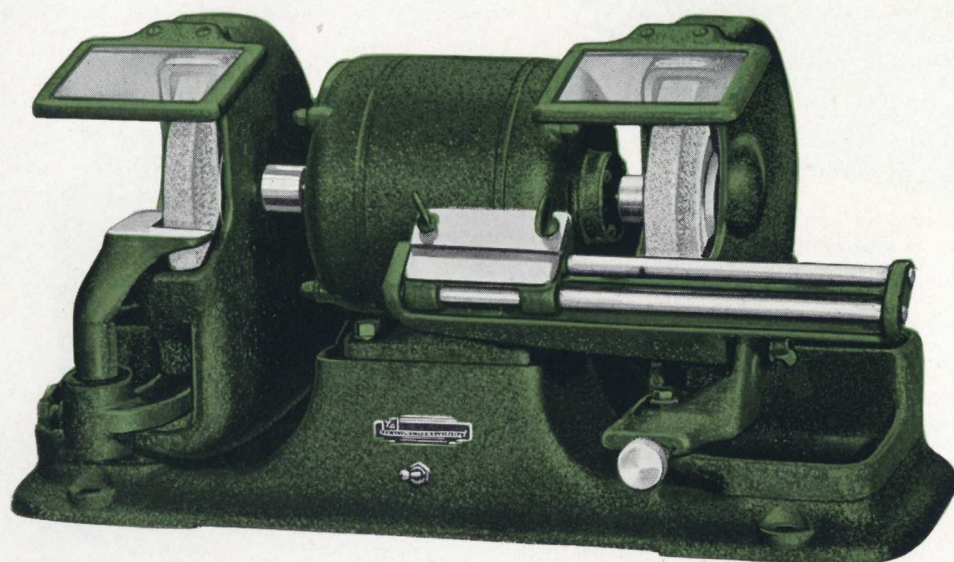


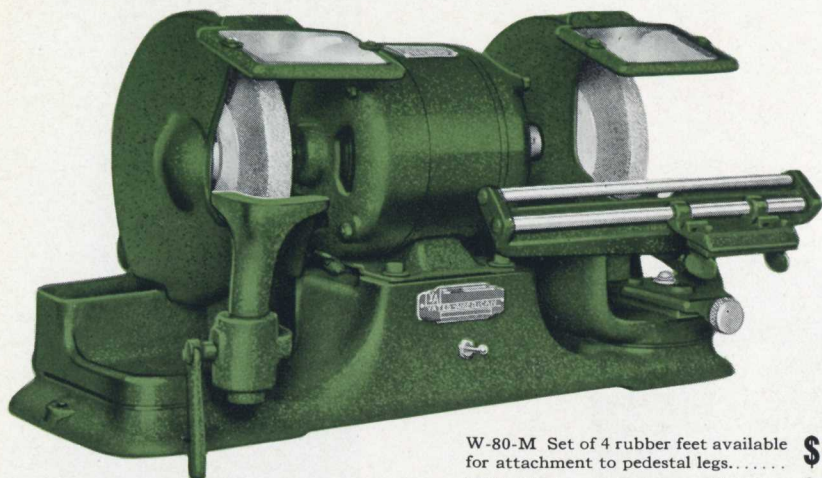
For **HOME • SCHOOL • INDUSTRY**



**W-80
GRINDER**

YATES-AMERICAN

YATES - AMERICAN



W-80-M Set of 4 rubber feet available for attachment to pedestal legs..... **\$1.00**
 W-80-U Floor Type Base—4" higher than standard base..... **\$7.50**

Double Grinder with 2 W-80 Grinders; 1 W-447 Base; 1 W80-G Bit and Knife Grind. Attachment; 2 W80-B Eye Shields and a Y-A10 $\frac{1}{3}$ H.P. Motor... **\$39.90**
 With $\frac{1}{3}$ H.P., 110 or 220, 60 cycle, capacitor Motor..... **\$51.50**
 With $\frac{1}{3}$ H.P., 220, 60 cycle, 3 phase Motor..... **\$50.05**

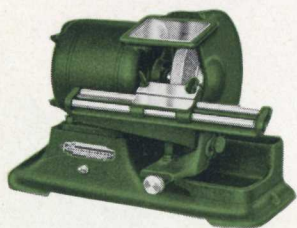
This grinder is designed for long life and efficient operation. It is quiet and smooth running . . . it has great strength to resist heavy shock loads and hard usage . . . it is safe!

The heavy cast-iron frame minimizes vibration . . . the wide flaring base insures a solid foundation. Large sealed ball bearings contribute materially to quiet operation.

The great strength of the W-80 Grinder helps to maintain a high degree of accuracy throughout the entire long life of the tool. This alone has won a wide acceptance for it in the industrial field where a machine's value and worth are measured in dollars and cents.

Far above the average mechanically, the W-80 Grinder is also head and shoulders above the ordinary machine when it comes to appearance. The lines are trim and smooth . . . even the water wells are built in on the direct motor drive models.

At a small investment it represents an outstanding value!



Single Bench Type Direct Motor Drive Grinder with eye shield and $\frac{1}{3}$ H.P., 110 volt, single phase, split phase Motor..... **\$25.75**
 Single Grinder equipped with $\frac{1}{3}$ H.P., 110 or 220, 60 cycle capacitor Motor..... **\$36.20**
 Single Grinder equipped with $\frac{1}{3}$ H.P., 220, 60 cycle, 3 phase Motor..... **\$35.90**



For Belt Drive (Including W-355 Base)..... **\$14.65**

All of these models complete with 7" x $\frac{3}{4}$ " wheel; heavy cast iron built-in guard, and dust chute; "L" type tool rest; ball bearing in belt drive type, $\frac{1}{4}$ " pulley on spindle, but less grinding attachment. Water well cast into frame of Motor Drive Type only.

Double Floor Type Grinder, with eye shields, bit and knife grinding attachment and Y-A10 Motor..... **\$56.15**
 Equipped with $\frac{1}{3}$ H.P., 110 or 220, 60 cycle, capacitor Motor..... **\$67.00**
 Equipped with $\frac{1}{3}$ H.P., 220, 60 cycle, 3 phase Motor..... **\$66.30**
 W-2-0 Double Pole Switch with Thermal Overload Protection, equipped with provision for padlock..... **\$7.00**
 Installed.....
 Other types of switches available at extra cost.



SPECIFICATIONS

W-80 BELT DRIVE GRINDER

Wheel:—7" x $\frac{3}{4}$ ".
 Frame:—One piece, heavy cast iron.
 Guards:—Inside wheel guard integral part of frame. Outside wheel guard, removable for easy accessibility for changing grinding wheel.
 Dust Chute:—Cast into frame, with projecting spout.
 Bearings:—Sealed, ball bearings.
 Tool Rest:—"L" type tool rest.
 Eye Shield:—Laminated safety glass.
 Shipping Weight:—27 lbs.

W-80 SINGLE D.M.D. GRINDER

Wheel:—7" x $\frac{3}{4}$ ".
 Frame:—One piece, heavy cast iron with water well cast-in.
 Guards:—Inside wheel guard integral part of frame. Outside wheel guard, removable for easy accessibility for changing grinding wheel.
 Dust Chute:—Cast into frame, with projecting spout.
 Bearings:—Double felt sealed ball bearings.
 Tool Rest:—"L" type.
 Eye Shield:—Laminated safety glass.
 Motor:— $\frac{1}{3}$ H.P., single phase, split phase; $\frac{1}{3}$ H.P., 110 or 220 volt, capacitor; $\frac{1}{3}$ H.P., 3 phase.
 Shipping Weight:—85 lbs.

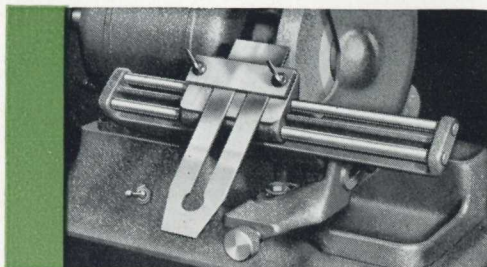
W-80 DOUBLE D.M.D. GRINDER

Wheel:—7" x $\frac{3}{4}$ ", one coarse and one fine wheel.
 Frame:—One piece, heavy cast iron with water well cast-in.
 Guards:—Inside wheel guards integral part of frame. Outside wheel guards, removable for easy accessibility for changing grinding wheels.
 Dust Chutes:—Cast into frame, with projecting spout.
 Bearings:—Double felt sealed ball bearings.
 Tool Rests:—"L" type.
 Eye Shields:—Laminated safety glass.
 Bit & Knife Grinding Attachment:—Can be set at any angle from 15° to 90°.
 Motor:— $\frac{1}{3}$ H.P., single phase, split phase; $\frac{1}{3}$ H.P., 110 or 220 volt, capacitor; $\frac{1}{3}$ H.P., 3 phase.
 Shipping Weight:—100 lbs.

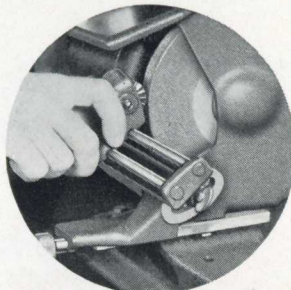
W-80 DOUBLE FLOOR TYPE GRINDER

Same as above except mounted on floor type base with pedestal legs and shelves.
 Arbor Height:—With above base, 35". With W80-U base, 39".
 Shipping Weight:—200 lbs.
 Note 1:—Bit and knife grinding attachment cannot be used on floor type grinder when motor cap is used to cover motor.
 Note 2:—When ordering the W-80 Grinder equipped with the $\frac{1}{3}$ H.P., capacitor motor, be sure to specify voltage motor is to be connected for inasmuch as this is not a dual voltage motor.

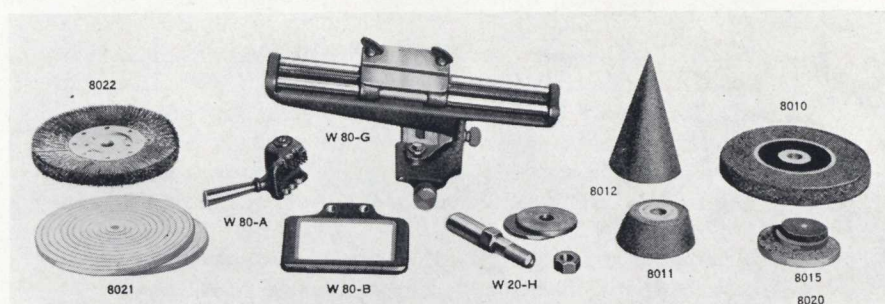
W-80 GRINDER



The bit and knife grinding attachment, shown here, eliminates the need for experience in tool grinding. It can be set at any angle from 15° to 90°. Will take knives from a 6" jointer, and plane bits up to 2½" wide. Equipped with horizontal screw feed. The wheel dresser, also illustrated, is used for dressing, squaring or forming the wheel. Both are available as extra equipment.



ACCESSORIES



W80-A Wheel Dresser:—This wheel dresser which slides over the rods of the knife grinding attachment or is held flat on the regular tool rest is used for dressing, squaring or forming the grinder wheel.....\$3.50

W80-G Bit and Knife Grinding Attachment:—This attachment eliminates the necessity for experience in tool grinding. Its angular adjustment makes it possible to grind an accurate bevel on the tools—its horizontal adjustment brings the tool gradually and accurately to the wheel.....\$3.50

W80-B Eye Shield:—Safety glass eye shield protects the operator from sparks, flying grit and particles of metal. It is large enough to give full protection yet small enough to be practical without being cumbersome. Its advanced design permits complete visibility—there are no "blind spots"—no hollows or corners where dirt can gather.....\$1.35

8022 Wire Scratch Brush:—A two-section brush, 6" diameter with a ½" hole to fit the arbor. A handy accessory for removing rust and burrs from metal.....\$1.30

8021 Rag Buff:—These buffing wheels are 6" in diameter and consist of eighteen layers of bleached muslin, securely sewed together. They are indispensable in obtaining a highly polished finish.....\$5.50

W-8012 3" x 5" Grinder Cone:—Medium hard grinding cone—especially practical for grinding gouges and internal, irregular surfaces. It is

tapped to fit the W-20 Lathe and W-25 Combination.....\$4.25

Grinder Wheels for Cutters:—These grinder wheels are of the proper size and grit to grind small shaper cutters. They are easily applied to the W-20 Lathe and will be a big help in keeping a fine cutting edge on shaper cutters.

1/4" Wide		3/8" Wide	
8013—1"	\$.40	8018—1"	\$.45
8014—2"	.65	8019—2"	.65
8015—3"	.85	8020—3"	.95

W-8011 Grinder Wheel—Cup:—Invaluable for obtaining a smooth, accurate surface grinding job—size 3" x 1 1/4".....\$1.15

W-8010 Grinder Wheel:—A fast cutting, long wearing, grinder wheel, 7" x 3/4", with a 1/8" hole. When ordering, please specify coarse or fine grit.....\$2.75

W20-H Grinder Spindle with Collar and Nut:—A true-running arbor to carry grinding wheels, wire brushes and buffing wheels—mounts on the W-20 Lathe and W-25 Combination.....\$.75

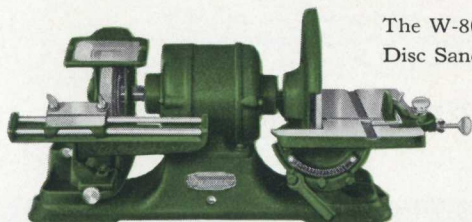
W-201 Rest:—Used on the W-20 Lathe in connection with the W20-H Grinder Spindle when grinding tools on the lathe. Fits the standard lathe tool rest holder.....\$.50

W-554 Single Base for Direct Motor Drive.....\$2.25

W-447 Double Base.....3.25

W80-F Double Floor Type Base (No Motor) 19.15

645-W Pedestal Shelves.....each .50



The W-80 Grinder may be mounted with the W-95 Disc Sander, a combination which has proven very popular in school and pattern shops. It is also available on a floor type base.

With 1/3 H.P., 110 volt, 60 cycle, single phase, split phase motor.....**\$45.95**

HAS MANY SAFETY FEATURES

Realizing that the human factor in accidents is a great one, Yates-American machines have been made as nearly foolproof as it is possible to make them. The W-80 Grinder will meet the requirements of the strictest industrial safety code.

The danger zone is completely enclosed by heavy cast-iron guards which leave only the actual grinding area exposed. Laminated safety glass eye shields afford an unobstructed view of the work field and provide complete protection to the operator. Harmful abrasive grit is ejected through built-in dust chutes—containers or piping can be fitted over the spout to prevent dust from filling the air of the shop or working into bearings. Both the man and the machine are protected.

The smooth operation of this grinder can rightly be considered a safety factor . . . noise and vibration which might distract the operator's attention are noticeably absent.

W-80 GRINDER—W-90 SANDER FLOOR TYPE COMBINATION



A combination of the W-80 Grinder and W-90 Belt Sander provides a versatile tool for innumerable surfacing and finishing operations. It is available both as a bench type machine and as the floor type model illustrated.

With 1/3 H.P., 110 volt, 60 cycle, single phase, split phase motor.....**\$73.25**

With 1/3 H.P., 110 or 220, 60 cycle, capacitor Motor.....**\$84.10**

With 1/3 H.P., 220, 60 cycle, 3 phase Motor.....**\$83.40**

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

YATES-AMERICAN