

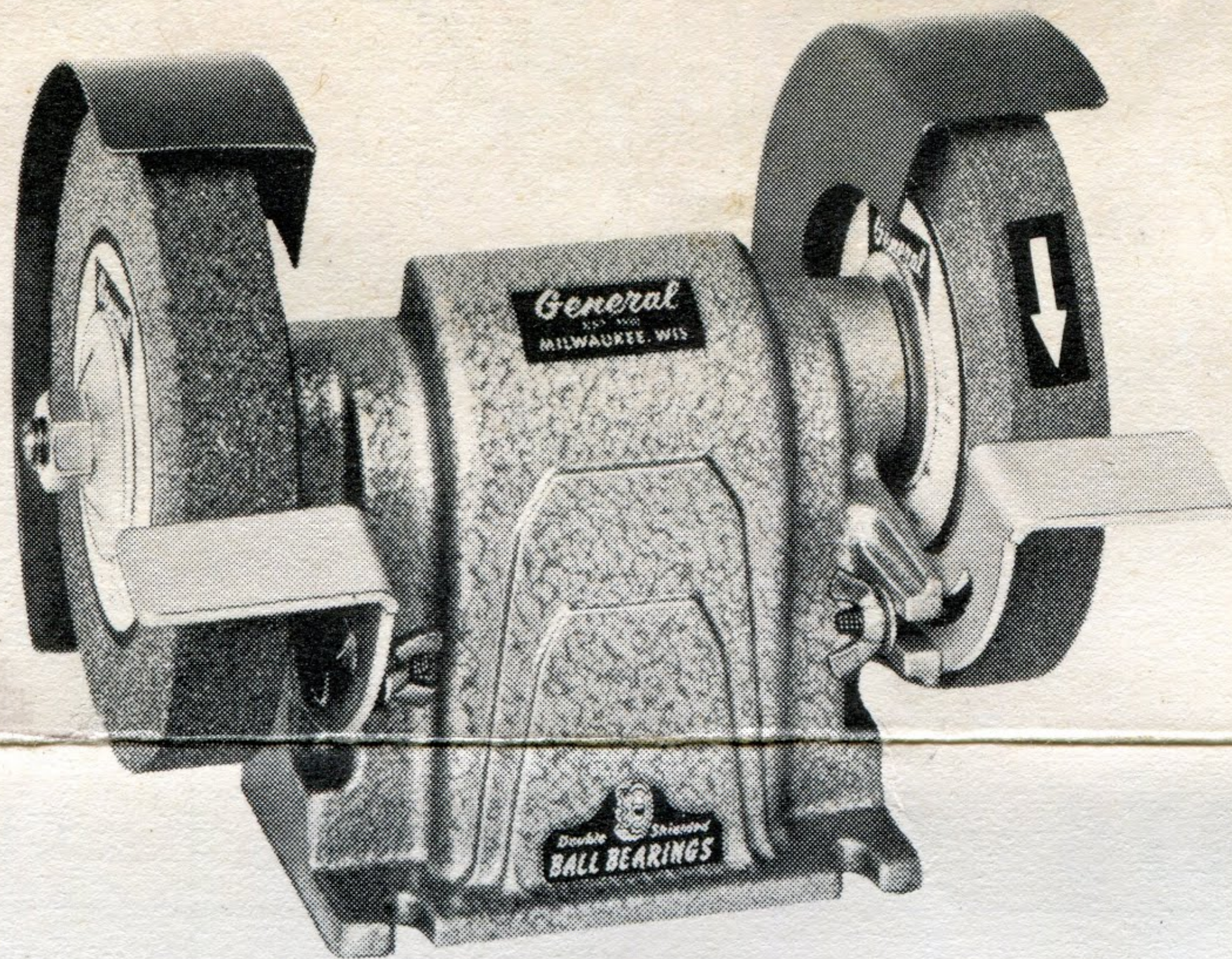
# General

EST. 1930  
MILWAUKEE, WIS.

# BENCH GRINDER

Equipped with Double Shielded Ball Bearings

## owner's guide and PARTS LIST



5. With shaft and bearings in place and the belt on the pulley, center pulley and tighten set screw.
6. Replace wheel flanges, grinding wheels and tighten shaft nuts. The grinder is then ready for use.

### CAUTION

Do not reverse the shaft. As viewed by the operator, the left end has left hand threads and the right end has right hand threads. Be sure the nuts are properly installed, and the wheels are driven counterclockwise when viewed from the right end.

| <u>Model</u> | <u>Size</u> | <u>Guards</u> |
|--------------|-------------|---------------|
| CB-45G       | 5"          | with          |
| CB-56G       | 6"          | with          |

## MOTOR

For correct speed ratio and adequate power, this grinder is designed for use with a 1/4 H.P. 1725 R.P.M. Motor, equipped with a 3 inch diameter Type "A" V pulley.

## GRINDING WHEELS

This grinder and the wheel guards furnished with it are designed for grinding wheels in the size as shown in the parts list - one coarse for rough grinding and one medium for finishing. When mounting the wheels do not tighten shaft nuts too tight - just enough to prevent slippage. Next, be sure the wheels are driven in the direction shown by the arrow on the picture at the left, and do not exceed the recommended R.P.M. listed on each wheel. Replacement wheels, in this size, can be purchased through the dealer or wholesaler from whom the grinder was originally purchased or write directly to the factory.

## GENERAL INSTRUCTIONS

### UNPACKING AND ASSEMBLY

Your grinder is packed complete in this carton. When unpacked, inspect carefully for damage, and be certain the grinding wheels are not cracked. This is very important. The Tool Rests are enveloped separately and should be assembled to the grinder as illustrated above and in the exploded view.

### MOUNTING

To prevent excessive vibration and creeping, secure the grinder firmly to a stand or bench with bolts or lag screws.

### INSERTING "V" BELT ON PULLEY

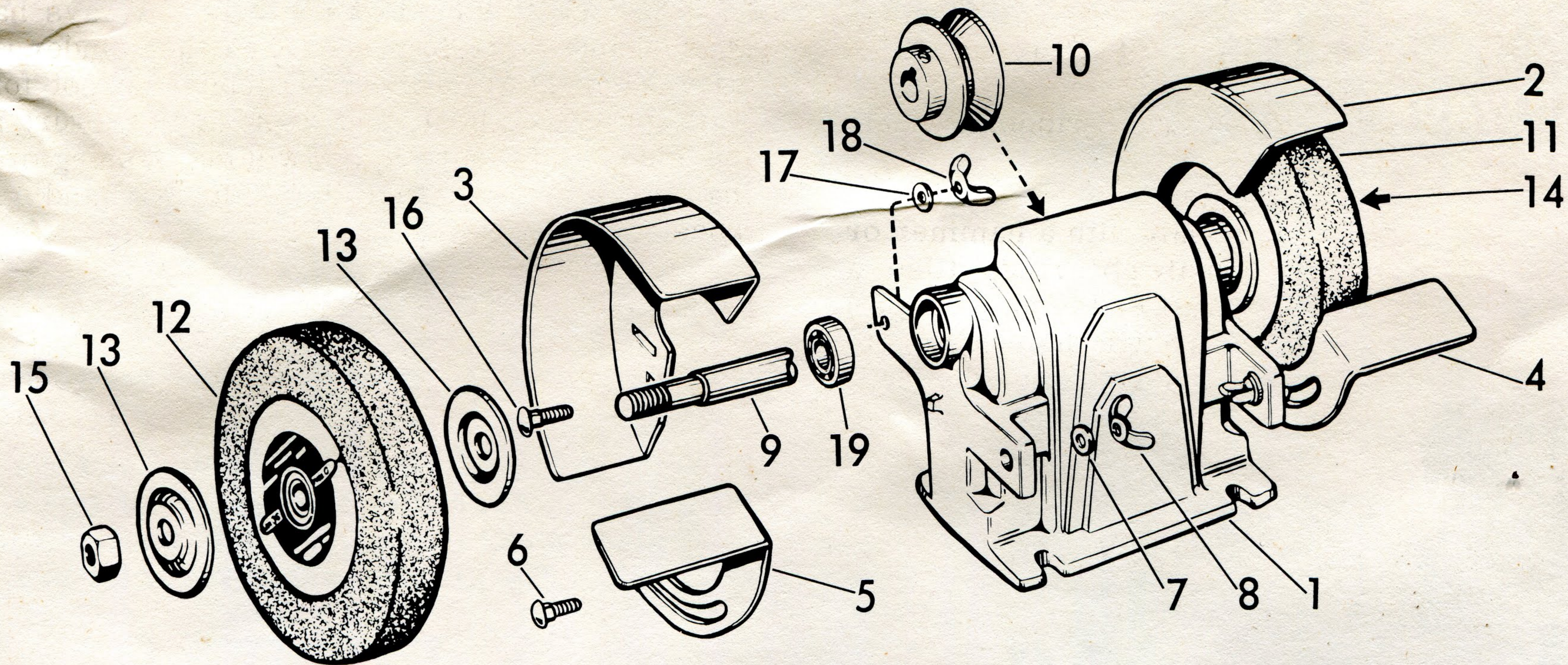
1. Remove both nuts, flanges and grinding wheels from the shaft.
2. Loosen set screw on the pulley.
3. Now tap either end of the shaft with a hammer or mallet to drive out the opposite bearing. (Use a piece of wood to protect the shaft end from damage.)
4. When free, draw the shaft through the bearings to a point where the belt can be inserted over the shaft end on the pulley, then replace the shaft and the bearings.

### OPERATION

Your grinder comes equipped with safety steel wheel guards and adjustable tool rests. Always have the guards and rests in place when the grinder is being used. For most efficient grinding, do not force the work into the wheel, and avoid any pressure against the side of the wheels, or twisting, jabbing or catching the work between the tool rest and grinding wheels.

### LUBRICATION

This grinder is equipped with oil sealed double shielded ball bearings which require no adjustment or lubrication throughout the life of the bearings.



## HOW TO OBTAIN REPAIR PARTS

Parts and Accessories may be ordered through the dealer or wholesaler from whom the grinder was originally purchased, or write directly to the factory.

To have your order filled promptly and correctly, please furnish all of the following information with your order.

1. NAME and MODEL NUMBER of the Grinder for which the part or accessory is being ordered.

2. PART NUMBER, NAME AND DESCRIPTION of the part or accessory as shown in the list below.

We do not pay shipping charges. You pay charges from shipping point and depending on the size and weight of the part, you may choose one of the following shipping methods.

**PARCEL POST...** fastest and cheapest for small mailable items.

**EXPRESS...** fastest for heavy, bulky, or unmailable items.

**UNITED PARCEL SERVICE...** when within weight and size limits and in the area served.

## REPAIR PARTS

|                                                                                                     |                                                          | CB-45G   |            | CB-56G   |            |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------|------------|----------|------------|
| REF. NO.                                                                                            | DESCRIPTION                                              | PART NO. | PRICE EACH | PART NO. | PRICE EACH |
| 1                                                                                                   | Base casting, (CB-5A)                                    | A-5      | 3.00       |          |            |
| 1                                                                                                   | Base casting, (CB-6A)                                    |          |            | A-6      | 4.00       |
| 2                                                                                                   | Wheel guard, R.H. 5"                                     | B-1      | 1.00       |          |            |
| 2                                                                                                   | Wheel guard, R.H. 6"                                     |          |            | B-3      | 1.50       |
| 3                                                                                                   | Wheel guard, L.H. 5"                                     | B-2      | 1.00       |          |            |
| 3                                                                                                   | Wheel guard, L.H. 6"                                     |          |            | B-4      | 1.50       |
| 4                                                                                                   | Tool rest, R.H.                                          | C-1      | .50        | C-1      | .50        |
| 5                                                                                                   | Tool rest, L.H.                                          | C-2      | .50        | C-2      | .50        |
| 6                                                                                                   | Bolt, carriage 1/4 x 1" (2) *                            | J-1      | .10        | J-1      | .10        |
| 7                                                                                                   | Washer, plain 1/4" (2) *                                 | K-1      | .10        | K-1      | .10        |
| 8                                                                                                   | Wing nut, 1/4" (2) *                                     | L-1      | .10        | L-1      | .10        |
| 9                                                                                                   | Shaft, 5/8" D. x 9-9/16" L. turned for 1/2" arbor wheels | D-1      | 2.00       |          |            |
| 9                                                                                                   | Shaft, 5/8" D. x 10-1/2" L. turned for 1/2" arbor wheels |          |            | D-2      | 2.50       |
| 10                                                                                                  | Pulley, "V" or round belt, 2"                            | E-1      | 1.00       | E-1      | 1.00       |
| 11                                                                                                  | Grinding wheel, 5 x 3/4 x 1/2" 60M Vit.                  | G-2      | 2.00       |          |            |
| 11                                                                                                  | Grinding wheel, 6 x 1 x 1/2" 60M Vit.                    |          |            | G-4      | 2.50       |
| 12                                                                                                  | Grinding wheel, 5 x 3/4 x 1/2" 36C Vit.                  | G-1      | 2.00       |          |            |
| 12                                                                                                  | Grinding wheel, 6 x 1 x 1/2" 36C Vit.                    |          |            | G-3      | 2.50       |
| 13                                                                                                  | Wheel flanges, 1/2" (4)                                  | F-1      | .30        | F-1      | .30        |
| 14                                                                                                  | Nut, hex., R.H. 1/2"-20 S.A.E.                           | N-1      | .20        | N-1      | .20        |
| 15                                                                                                  | Nut, hex., L.H. 1/2"-20 S.A.E.                           | N-2      | .30        | N-2      | .30        |
| 16                                                                                                  | Bolt, carriage, 1/4 x 1" (2) *                           | J-1      | .10        | J-1      | .10        |
| 17                                                                                                  | Washer, plain, 1/4" (2) *                                | K-1      | .10        | K-1      | .10        |
| 18                                                                                                  | Wing nut, 1/4" (2) *                                     | L-1      | .10        | L-1      | .10        |
| 19                                                                                                  | Bearing, Ball, No. 202 (2)                               | P-1      | 3.00       | P-1      | 3.00       |
| * Standard Hardware Items - may be purchased locally<br>Minimum Charge (per order) \$1.00 & Postage |                                                          |          |            |          |            |

**USE GENUINE FACTORY PARTS  
THEY ASSURE BETTER PERFORMANCE**

**IMPORTANT** - All prices in this literature are subject to change without notice and are subject to an additional charge to cover any applicable sales tax, use, occupation, or other tax affecting our purchase or sale of merchandise.

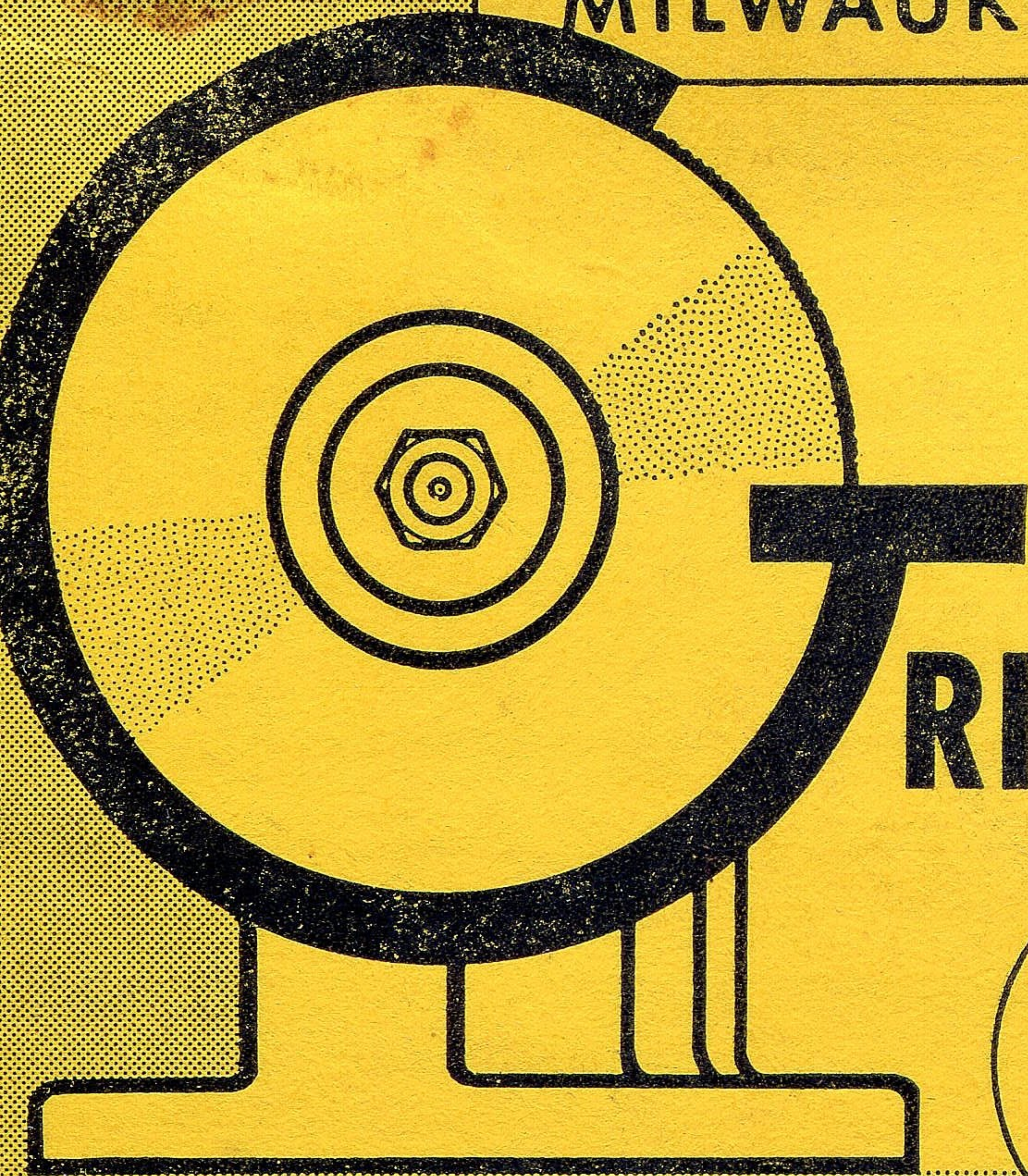
*Congratulations*

YOU NOW OWN A GENUINE

*General*

EST 1930

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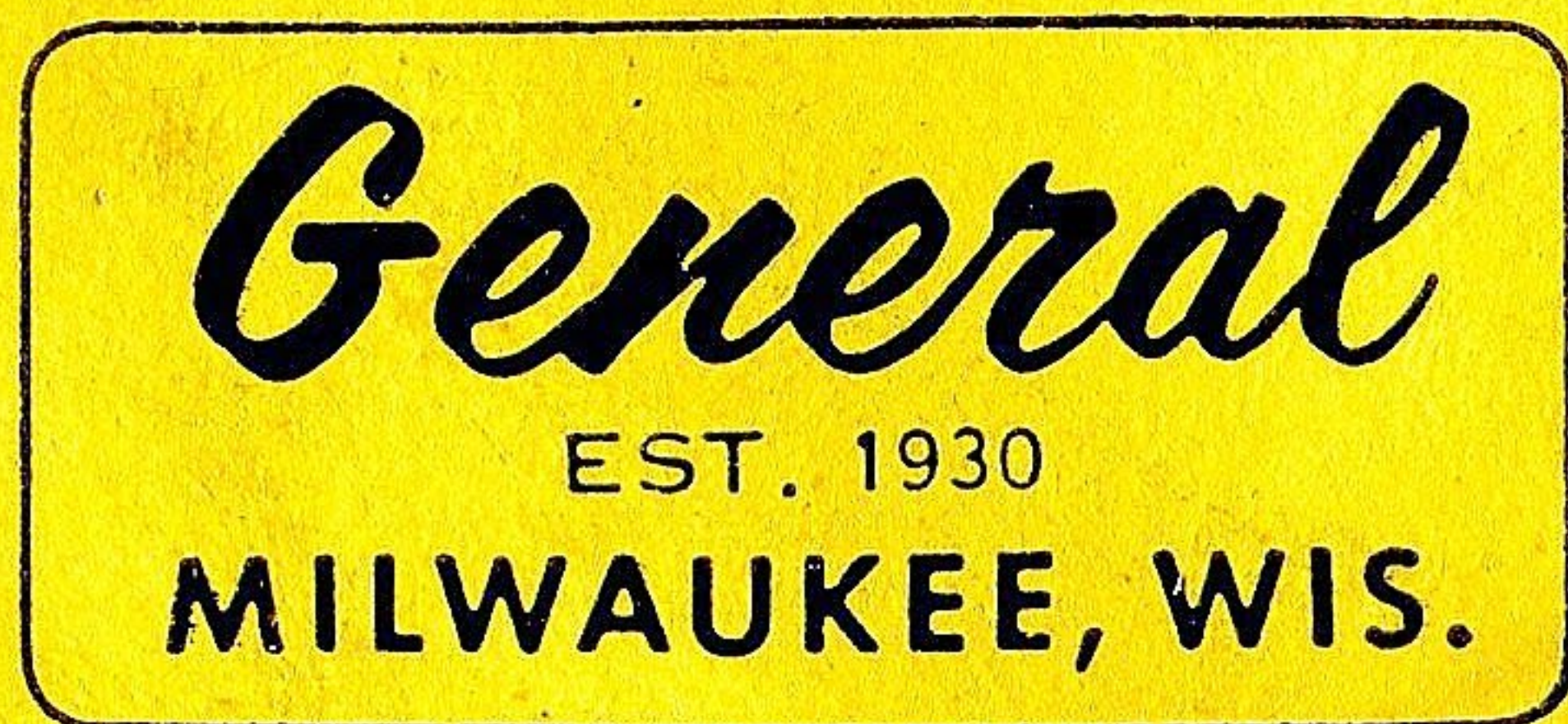
**RINDER.**

PRICE

• FIRST IN QUALITY

• FAIREST IN PRICE

Genuine GENERAL  
Grinders are always  
identified by this  
trademark



## CHECK THESE FEATURES:

- ✓ MODERN DESIGN - HEAVY GRAY IRON CASTINGS.
- ✓ PULLEY ACCOMMODATES "V", OR ROUND BELT AND CAN BE DRIVEN FROM BELOW OR ANY ANGLE BEHIND THE GRINDER.
- ✓ EQUIPPED WITH DOUBLE SHIELDED BALL BEARINGS.
- ✓ ACCOMMODATIONS FOR SECURING THE UNIT TO A STAND OR BENCH WITH BOLTS OR LAG SCREWS.
- ✓ FINISHED IN BEAUTIFUL HAMMERTONE ENAMEL WITH BRIGHT PLATED TRIM.
- ✓ MODERNLY PACKAGED - ONE PER CARTON.
- ✓ EXTRA HEAVY, ADJUSTABLE, STEEL TOOL RESTS AND WHEEL GUARDS.
- ✓ EQUIPPED WITH HIGH GRADE, FAST CUTTING VITRIFIED WHEELS - ONE MEDIUM AND ONE COARSE.