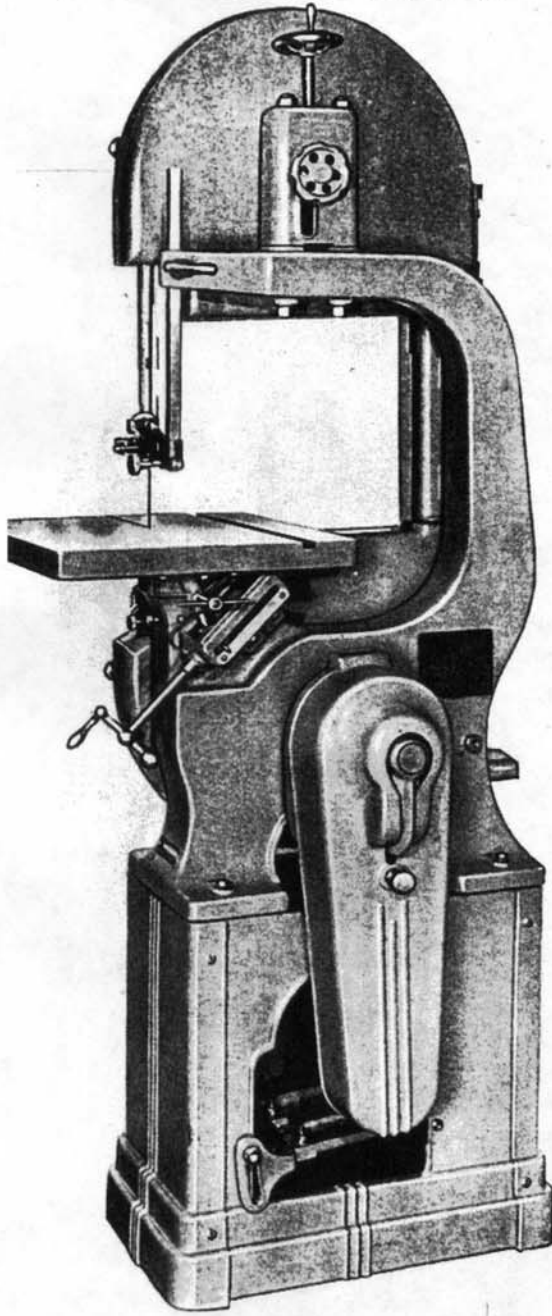
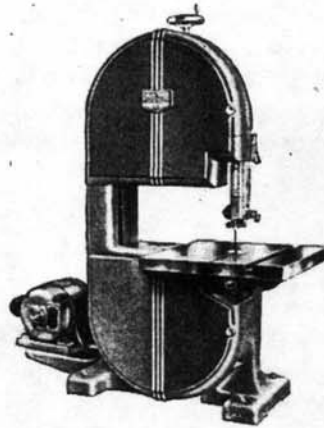


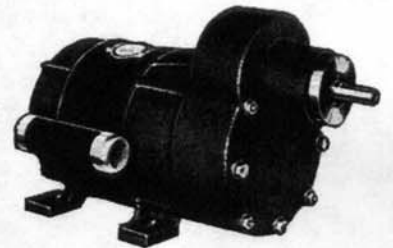
# 16" METAL CUTTING BAND SAW



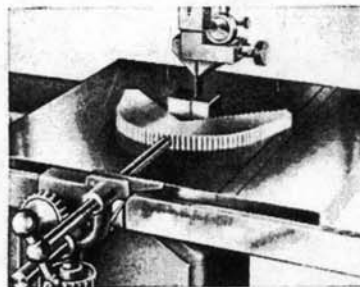
- All wheel bearings are heavy duty precision ball bearings.
- Tables are heavily ribbed and carefully machined, tilt to 45° and have mitre gauge grooves.
- Wheels are carefully balanced and rubber faced.
- Blade guides have ball bearing thrust wheels and adjustable steel-faced guide pins designed especially for metal cutting.
- Blade tensioning devices have spring cushions to absorb shocks.
- Guard construction assures complete protection to operator.
- Back gear unit provides wide range of slow speeds.
- Heavy cast-iron, one piece frames have extra strength and rigidity.



(Above) Rear Motor Mounting

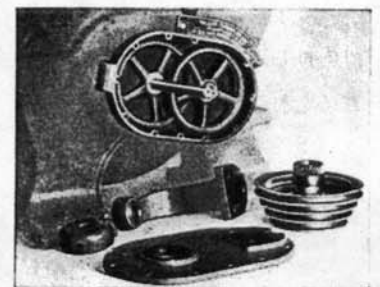


**SLO-SPEED MOTOR** — A new 716 R.P.M. back geared motor provides the extremely slow speeds necessary in cutting certain types of steel. Used on these metal cutting machines many speeds are available.



**SCREW FEED**—The screw feed with guiding segment, shown above left, greatly simplifies metal cutting. This attachment clamps to the table guide bar with the screw directly in line with the saw blade. The segment is not attached to table or screw. It holds square, hexagonal, triangular or round work in line without clamping while the screw advances it into the blade.

9BN125—Including guide bar.



**BACK-GEAR UNIT** — This photo shows how substantially this unit is built. It is designed for long-run, trouble-free service on steady production work. Back-gearing and cone pulley—similar to those found on a screw-cutting lathe—provide eight speeds suitable for cutting practically every material from tool steel to wood. The gear train can be disengaged and the machine operated on direct drive for higher speed operations.

U. S. Pat. No. 1,996,825  
**MBN1105**—16" metal cutting band saw, as shown, less motor, rip fence and base. Includes 1/2" blade, new metal cutting guides, belt guard, belt and motor pulley.  
**BN1135**— Same as above but less gear assembly.  
**11BN45**—Cast-iron base  
**KAB55**—1/2 H.P., 1740 R.P.M. motor, 110 volts, AC, 60 cycles.  
**GIB5** — 1/2 H.P., 716 R.P.M. geared motor, single phase, 110-220 volts, AC, 60 cycles.  
**GIB7**—3/4 H.P., 716 R.P.M., 3 phase, 220 volts, AC, 60 cycles motor.  
 (Note: GIB5 and GIB7 require the use of V.B. 44 belt).

**MACHINE TOOLS WALKER-**

# 14" METAL CUTTING BAND SAW

Every tool room, experimental department, general machine shop and metal-working plant has an opportunity to save money with these new back-gearred band saws. They cut sheets, rods and tubes of steel, iron, aluminum, brass, alloys and compositions quickly, accurately and economically. Molded plastics such as bakelite and catalin are also cut or trimmed efficiently on these metal cutting band saws.

In many shops these machines will pay for themselves on the first job. Their low initial cost and high operating efficiency combine to make them indispensable tools . . . money-makers from the start.

The geared speed reducer is a precision unit designed by engineers who know what is required of such a unit. A glance at the photos on the opposite page will show you that it is correctly and substantially designed for long-run, trouble-free service on steady production work. A feature that adds still greater value is the fact that the metal cutting machine may be speeded up for woodworking. By simply throwing the lever which disengages the gear train and engaging a pin it is immediately converted into a direct-drive machine with correct speeds for woodworking.

**WHEELS:** Gray iron carefully machined and balanced, rubber faced.

**BALL BEARINGS:** Large dust-sealed, precision in both wheels.

**GUIDES:** Are both ball-bearing with steel insert blocks for metal cutting.

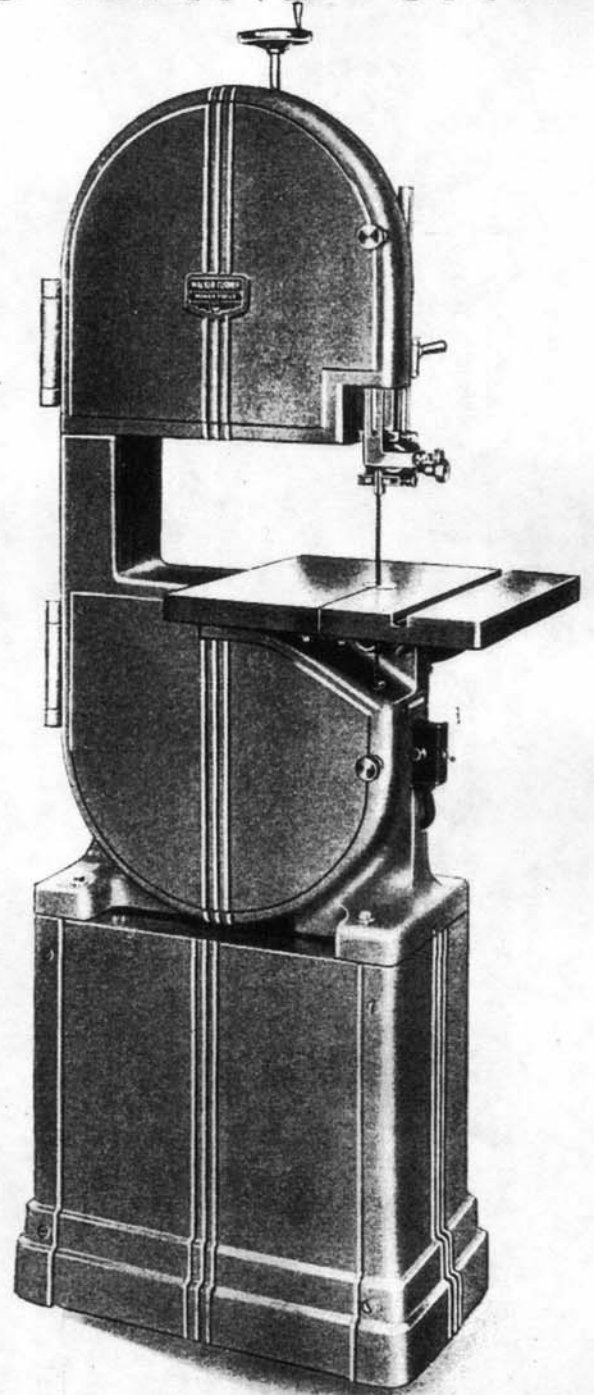
**WHEEL GUARDS:** Are cast-iron hinged for convenience . . . telescoping guards at area of operation.

**ADJUSTING MECHANISM:** Blade and upper wheel mounted on two

heavy ground steel rods . . . Cushion springs absorb blade shocks.

**MOTOR BRACKET:** At rear of frame supplied with 16" model. For 14" model available as an extra.

**BLADE SPEEDS:** Standard motor, 16" model, 200, 300, 400, 560, 2000, 3000, 4150, 5300 F.P.M. 14" model, 175, 260, 350, 490, 1750, 2625, 3630, 4630 F.P.M. Slo-speed motor, 16" model, 70, 106, 151, 208, 746, 1129, 1607, 2216 F.P.M. 14" model, 61, 93, 132, 182, 653, 1103, 1413, 1950 F.P.M.



|  | 16" Model          | 14" Model          |
|--|--------------------|--------------------|
| Capacity, blade to frame .....                     | 16"                | 14"                |
| Capacity, guide to table .....                     | 12"                | 7"                 |
| Table size .....                                   | 18" x 17"          | 16" x 16"          |
| Blade speeds, ft. per min., standard motor .....   | 200-5300           | 175-4630           |
| Blade speeds, ft. per min., slow-speed motor ..... | 70-2216            | 61-1950            |
| Height overall, without base .....                 | 50 $\frac{1}{2}$ " | 44"                |
| Height overall, with base .....                    | 71 $\frac{1}{2}$ " | 65"                |
| Width .....  | 30 $\frac{1}{2}$ " | 25 $\frac{3}{4}$ " |
| Distance front to back .....                       | 22"                | 20"                |
| Shipping weight, without base or motor .....       | 455 lbs.           | 350 lbs.           |
| Shipping weight, with base, less motor .....       | 575 lbs.           | 470 lbs.           |

## BLADES FOR 16" BAND SAW

| Cat. No. | Price | Width           | Teeth Per In. |
|----------|-------|-----------------|---------------|
| 11BN90   |       | $\frac{1}{2}$ " | 10            |
| 11BN91   |       | $\frac{1}{2}$ " | 14            |
| 11BN92   |       | $\frac{1}{2}$ " | 18            |

\*Blade length 114 $\frac{3}{4}$ "

## BLADES FOR 14" BAND SAW

| Cat. No. | Price | Width           | Teeth Per In. |
|----------|-------|-----------------|---------------|
| 9BN55    |       | $\frac{1}{2}$ " | 10            |
| 9BN56    |       | $\frac{1}{2}$ " | 14            |
| 9BN57    |       | $\frac{1}{2}$ " | 18            |

\*Blade length 96 $\frac{5}{8}$ "

Above blades for mild steel and non-ferrous metals.  
A chart of blades recommended for various materials upon request.

**MBN935**—14" metal cutting band saw, as shown above with new metal cutting guides including belt, motor pulley and guard; less base and motor.

**BN905**—Same as above but less gear assembly.

**9BN5**—Motor bracket for rear mounting (not needed with 11BN4S).

**11BN4S**—Cast-iron base.

See page 24 for motors.

# TURNER

# FOR

# INDUSTRY

