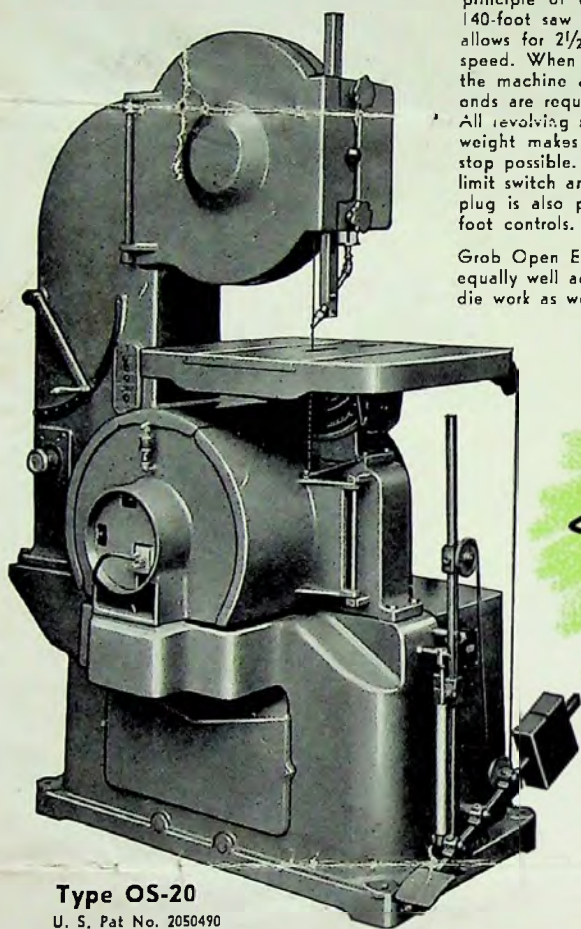


GROB OPEN END METAL BAND SAWS

INTERNAL AND EXTERNAL SAWING
NO BRAZING » » NO WELDING

Grob Open End Band Saws represent the very newest in modern die-making equipment. The principle of the machine is the winding of a 140-foot saw band helically over a drum which allows for 2½ minutes of sawing at the lowest speed. When the end of the band is reached, the machine automatically stops. Only 15 seconds are required for return to sawing position. All revolving members are aluminum. This light weight makes high reverse speed and a quick stop possible. A positive stop is obtained by a limit switch and a brake to the drum. A switch plug is also provided for operators who prefer foot controls.

Grob Open End Band Saws have proven to be equally well adapted to very small and delicate die work as well as to heavy duty work.



Type OS-20

U. S. Pat No. 2050490
2090195
Pat. Pending

TYPE OS-20 SPECIFICATIONS

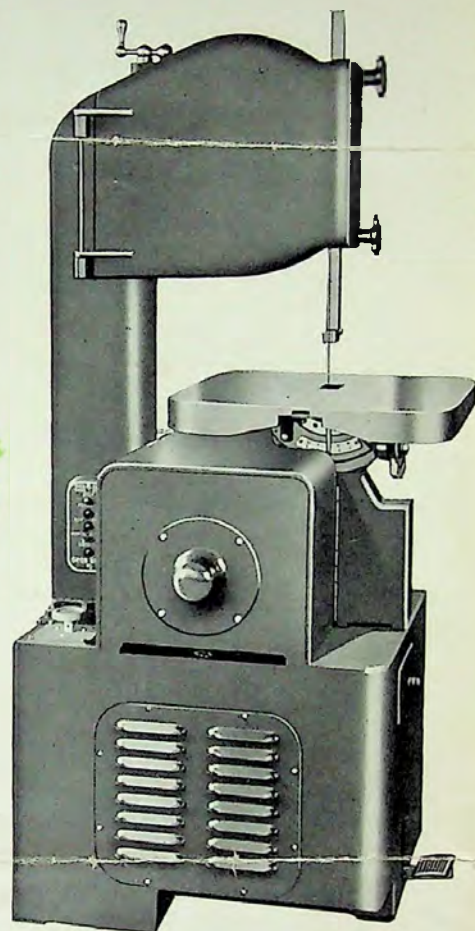
Four cutting speeds, 60, 90, 120, and 180 feet per minute to the saw band. One reverse speed, 500 feet per minute. Multiple "V" belt drive. One variable speed ¼, ⅜, ½, ¾ H. P. three phase ball bearing motor for forward motion. One ¾ H. P. three phase ball bearing motor for reverse motion. All revolving members aluminum, mounted on sealed ball bearings. Table tilted in two planes, size 24x28 inches. Throat from saw band to arm 19 inches. Material up to 8 inches high can be sawed. Distance from floor to table 47 inches. Total height 77 inches. Weight 2300 lbs.

Standard band saws, .025 to .050 inches thick, ⅛, ⅜, and ¼ inches wide, 140 feet long to be used with machine.

TYPE OS-36 SPECIFICATIONS

(NOT ILLUSTRATED)

The same as OS-20 except that throat from saw band to arm is 36 inches—total height 80 inches—weight 3000 lbs. The 36-inch throat is obtained by a third 20-inch diameter pulley mounted on a swivel block in the upright column of the frame. With the positive drive this arrangement is 100% satisfactory and eliminates all of the disadvantages of friction driven saw bands using a third pulley.

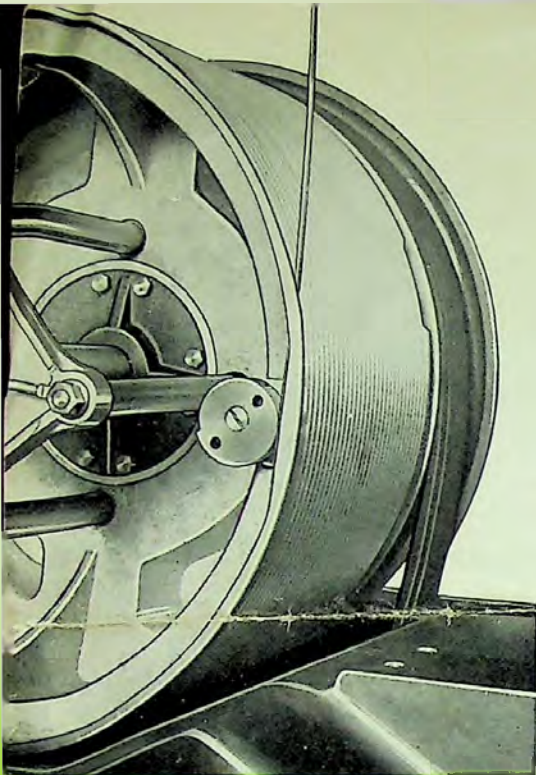


TYPE OS-14 SPECIFICATIONS

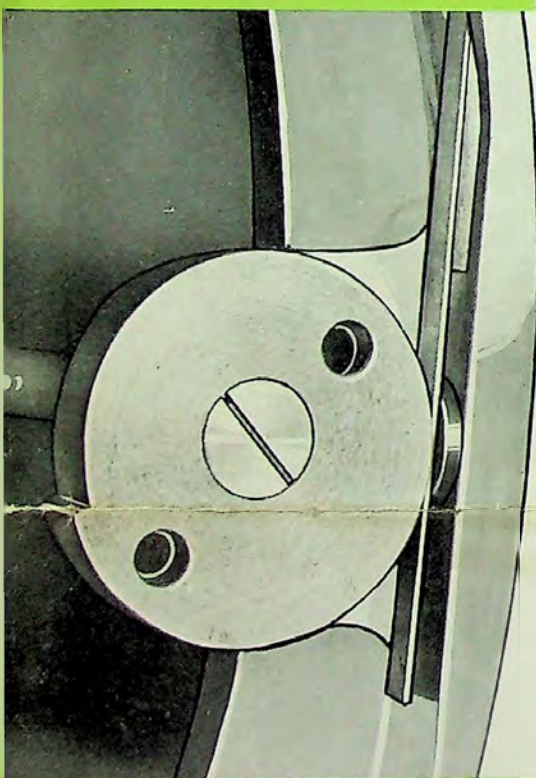
A machine for small and medium sized die work. Two cutting speeds, 60 and 120 feet per minute to the saw band. One reverse speed 750 feet per minute. Multiple "V" belt drive. One variable speed ¼, ½ H. P. three phase ball bearing motor for forward motion. One ¾ H. P. three phase ball bearing motor for reverse motion. All revolving members aluminum, mounted on sealed ball bearings. Table tilted in two planes, size 20" x 20". Throat from saw band to arm 14". Material up to 8" high can be sawed. Distance from floor to table 40". Total height 66". Weight 1100 lbs.

Standard band saws, ⅜, ⅝, and ⅞ inches wide, 140 feet long to be used with machine.

GROB
The Modern
DIE MAKING
MACHINE



Drum with 140 foot long saw blade wound on threaded groove having tapered bottom.



Self tightening eccentric clamp holds front end of blade to drum. This clamp quickly releases saw blade for internal work.

OUTSTANDING FEATURES » » » found only in GROB Open End Band Saws

- **QUICK SET-UP FOR INTERNAL SAWING**

Only 20 seconds are required to set-up machine for internal work.

- **NO BRAZING . . . NO WELDING**

Brazing and welding is entirely eliminated.

- **SMOOTH CUTTING**

There are no welded joints to cause bumps. The face of the saw can be used as a file and work can be finished to within .002 to the line.

- **POSITIVE DRIVE**

The only band saw having a positive drive saw blade, assuring faster cutting.

- **TABLE FEED CLAMPING DEVICE**

A device so arranged that curves can be cut without releasing feed. Hydraulic cylinder prevents too fast feeding when cutting into openings.

- **SPECIAL METAL SAW GUIDES**

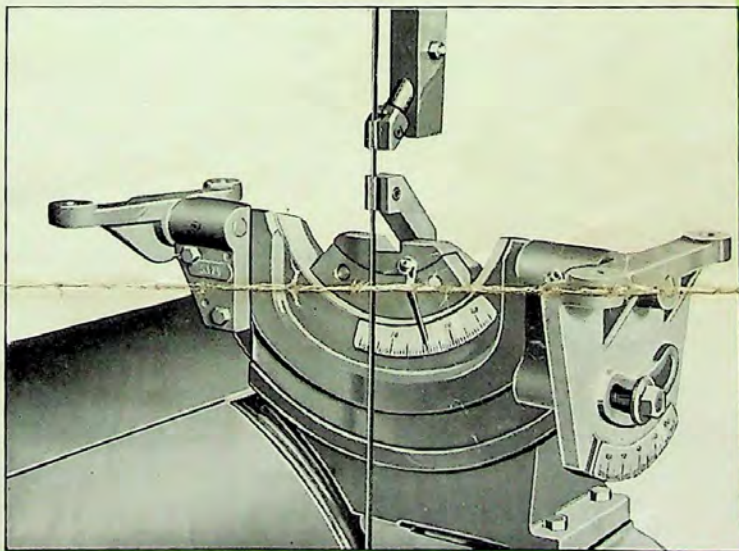
A special metal that is extremely tough yet has lubricating qualities. It will not "build up" or scratch the blade.

- **PROVISION TO OIL BACK OF BLADE**

Blade lubrication is made possible due to positive drive to blade.

- **SAFETY FEATURES**

In addition to the ordinary safety features, the machine cannot be operated unless the blade is in proper position.



View of a 4-way tilt table showing support assembly with table removed. Both saw guides are adjustable in height, insuring full support of saw band for accurate as well as heavy work.

Manufactured by **GROB BROTHERS**, Grafton, Wisconsin

D I S T R I B U T E D B Y