

*The Most Modern
and Economical
Method for
CUTTING OFF
METAL*



**IT'S FAST
because the
CUTTING
ACTION is
Continuous**



**Chandler & Farquhar Co. Inc.
900 Commonwealth Ave.
Roxbury 7800 Boston, Mass.**

Smooth • Fast • Accurate

**the latest and most advanced design
in Metal Cutting Band Saws**

Continuous cutting action makes the band saw
the most modern and efficient method for
95% of cut-off work.

The Kalamazoo is the machine of advanced
design. Engineers familiar with this problem
have refined, improved and perfected almost
to a point of faultless performance.

Cuts ANYTHING • Round • Square • Solid • Hollow or Irregular

Band-Saw

Kalamazoo Metal-Cutting

Kalamazoo

Metal Cutting **BAND SAW**

▶▶▶ *the machine that quickly pays for itself in **SAVINGS***

Everyone marvels at the speed and smoothness of the Kalamazoo. REAL ENTHUSIASM comes after checking performance. BIG SAVINGS through quick, convenient set-up — faster production — use of operator's time while cutting — less handling of heavy material — smaller investment — reduced depreciation — minimum maintenance and power costs.

Up-to-date metal working plants can SAVE the cost of their machine in a relatively short period, depending on its use. Particularly profitable when operating on otherwise wasted time, such as planer work, heavy lathe work, etc., where the operator has time between set-ups to operate saw.

★ FLEXIBILITY

Cuts tubes, rods, angles, heavy round or flat stock, as well as odd and unusual shapes, with equal convenience and speed. Due to size and weight, machine is easily moved throughout plant. It may be plugged into any electrical outlet.

★ SPEED

Continuous cutting is the secret — with no heavy inertia to overcome. No appreciable heat is generated and blade remains cool at all times.

★ CAPACITY

The 8-inch throat is of ample size to handle 95% of all round cut-off work and the 16-inch vise opening further broadens the capacity in cutting flat wide stock.

★ SMOOTHNESS

Blade slides through metal almost as smoothly and silently as the motor itself. No attention is required from start to finish of cut. The gravity feed is cut off by an automatic stop switch.

★ ACCURACY

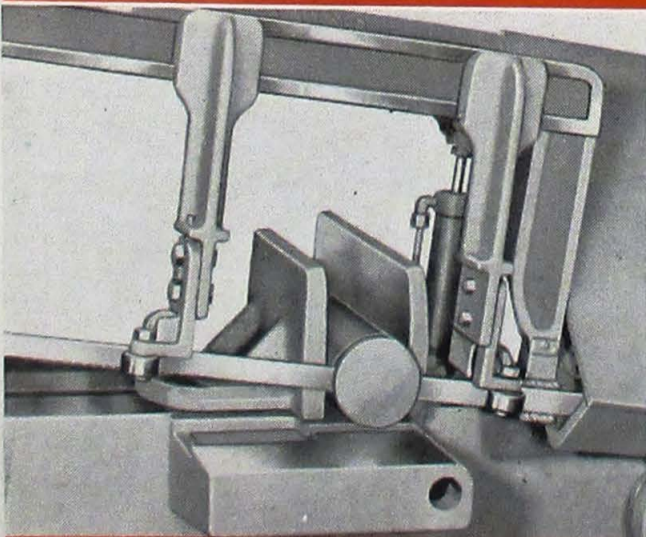
Wafer-thin cuts can be made to the full width of the throat with only a variation of a few thousandths in thickness. This cuts down the waste of expensive steel, and permits cutting to close dimensions.

★ SAFETY

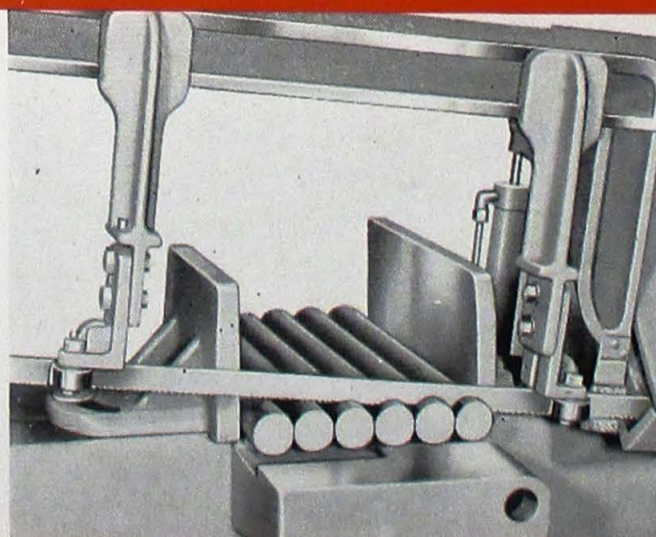
Protection for the operator has been carefully built in, only the cutting portion of the blade being exposed. It is impossible to insert fingers in moving wheels or parts, as they are entirely enclosed.



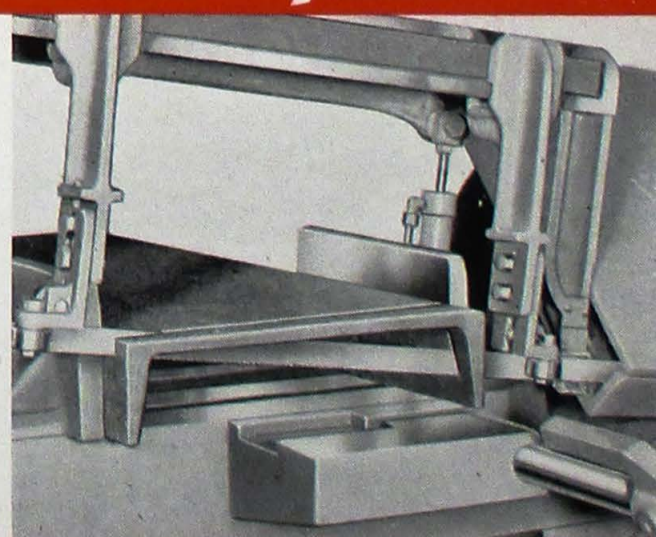
Cuts ANYTHING that will go into the



Cuts heavy round metal solids with precision wafer-thin thickness.



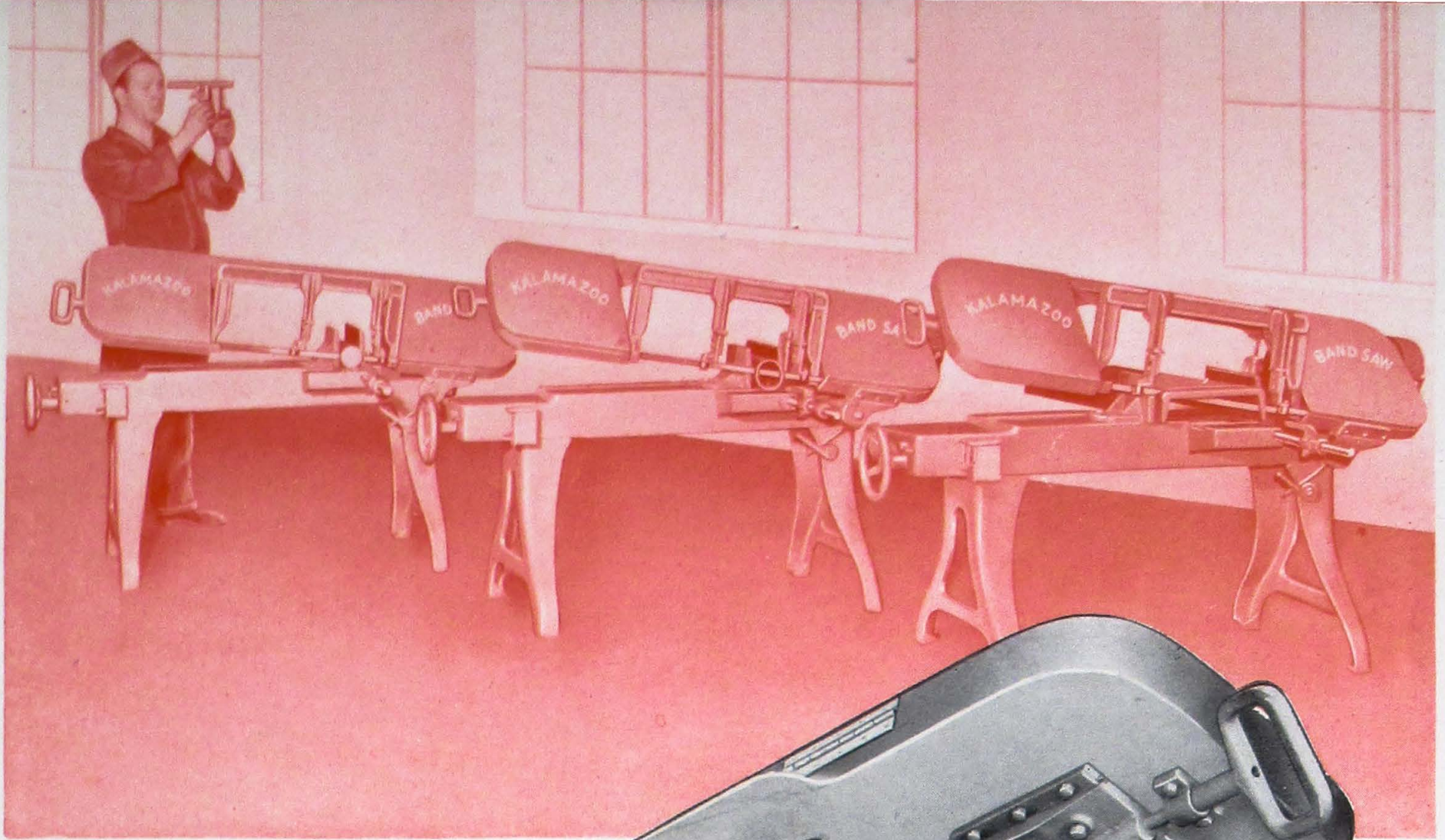
Many pieces can be cut at one time. Big saving in setup time.



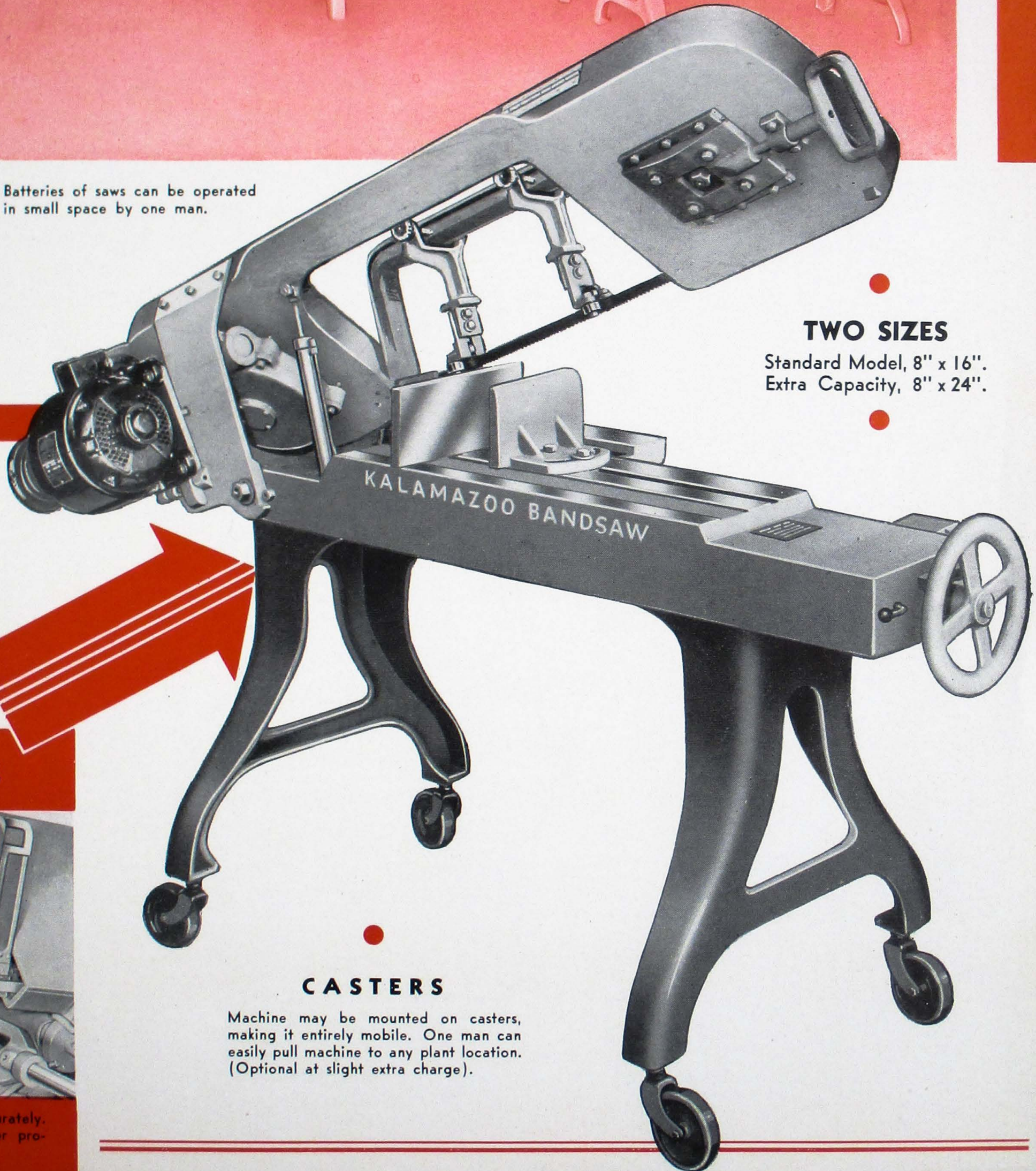
Large, heavy structural steel and odd shaped castings can be cut accurately to full capacity of throat.



Saw
Gan
duct



Batteries of saws can be operated in small space by one man.



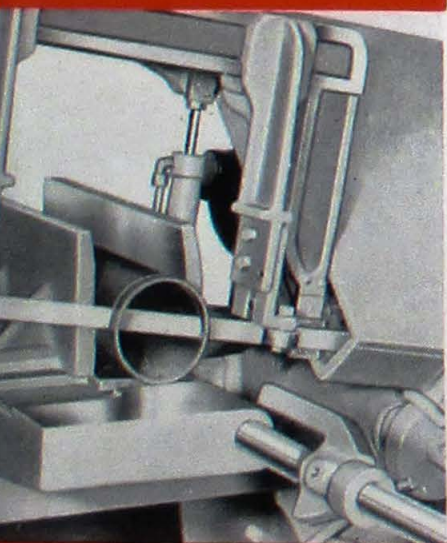
TWO SIZES

Standard Model, 8" x 16".
Extra Capacity, 8" x 24".

CASTERS

Machine may be mounted on casters, making it entirely mobile. One man can easily pull machine to any plant location. (Optional at slight extra charge).

throat



ing quickly and accurately.
ng is also practical for pro-

12

Outstanding Mechanical Features

SPECIFICATIONS

DIMENSIONS

Floor Space — 25" x 65".
Height to Top of Bed — 26".

WEIGHT

Approximately 600 lbs.
Shipping Weight — Approximately 625 lbs.

MOTOR EQUIPMENT

1/2 H.P. A.C. ball bearing motor is standard but 3/4 H.P. is recommended for continuous heavy production. No special end bells or mountings required. Due to extreme efficiency of gearing, power savings of 50% are not unusual. (D.C. or special voltage motors supplied at slight additional cost).

SPEEDS

High Speed — 160 ft. per minute.
Middle Speed — 110 ft. per minute.
Slow Speed — 85 ft. per minute.

BLADES

10' 5" long x 3/4" wide x .032 thick. Minimum wastage of metal. Kerf is less than 1/16 of an inch. All types and grades available. Extra Capacity 24" Model — uses 12' 1" saw blade.

CAPACITY

8" round or 8" x 16" flat.

EXTRA CAPACITY MODEL

Extra capacity saw has throat for handling 8" x 24". General specifications same as standard model. Equipped with 3/4 H.P. motor.

- 1** DRIVE — Fully enclosed worm and gear reduction. No shavings and foreign matter can enter gear case. Quiet throughout life. No outside gears of any kind. Extra long life Timken Bearings.
- 2** HYDRAULIC FRAME CONTROL — No danger of breaking blades due to dropping. Frame descends slowly on oil cushion. Frame may be stopped at any point or slowed in travel by merely closing valve within operator's easy reach. All ratchets and dog arrangements eliminated. Can be refilled without removing from machine or loss in production.
- 3** QUICK ACTING VISES — By throwing small lever, vise can be used either as quick acting or solid screw vise. All mechanism under bed of machine — nothing to remove for irregular cutting. Vise swivels for angle cuts.
- 4** BLADE INSTALLATION — Blades installed as easily as putting on your hat. No fishing below or threading necessary. Blade is placed on wheels from top of machine.
- 5** AUTOMATIC FEED — Machine automatically exerts higher blade pressure on wider cuts. Gravity feed.
- 6** BEARINGS — Machine is equipped exclusively with high grade Bearings.
- 7** CONSTANT BELT TENSION — Operator need pay no attention to belt tension. Weight of motor maintains constant belt pressure, guarding against belt slippage.
- 8** NO COOLANT NEEDED — Blade cools itself and is cool after the hardest cut. For extremely high speed cutting, cooling attachment can be supplied.
- 9** THREE SPEEDS — All speeds obtained by merely changing belt on three step pulleys. Speed for tubing, etc., instantly available.
- 10** BLADE GUIDES — Easily adjusted ball bearing blade guides maintain accurate cutting. Stock stop provided.
- 11** MOTOR — A standard 1/2 H.P. or 3/4 H.P. Ball Bearing Motor handles the toughest cutting jobs with ease. No power lost through overcoming inertia.
- 12** TENSION SPRING — Proper Blade tooth pressure quickly obtained for tubing, etc., by cam operating direct on coil spring.

THE MANUFACTURER

There is a 75-year record of fair dealing back of the Kalamazoo organization. The entire machine is made in our own plant, which has complete facilities for the finest precision work and is staffed by expert mechanics under the supervision of competent engineers. Patterns made by our own craftsmen and castings of the finest nickel iron are made in our own foundry. Every detail of the construction is under our own control, offering superior quality at the lowest possible cost. Rigorous inspection controls every step in the construction.

Manufactured by . . .

MACHINE TOOL DIVISION

**KALAMAZOO TANK and SILO CO.
KALAMAZOO, MICHIGAN**