

Announcing
the
**New Gold Seal Timken Bearing
1 1" High Speed Lathe**

The Fastest and Most Modern Small Engine Lathe Built

930 R. P. M.
16 Speed Motor Drive
.0005" Accuracy



"A Lathe Without an Alibi"

The Sebastian Lathe Company

Cincinnati, Ohio, U. S. A.

11" GOLD SEAL HEAVY DUTY LATHE

WE offer in this new lathe an entirely different machine from any other on the market today. It is built to fill the need for a small high speed lathe, not only for production work but at the same time it is built as a fine accurate lathe with all engine lathe features on it. It has been our aim in this machine to put out the very finest lathe on the market. No other machine has the specifications and features that are embodied in this lathe. This machine is made with motor built in, and can be furnished in alternating current, single or multi-phase or direct current at the various prices given in our price list. This lathe is furnished either, Motor Drive or for single Friction Pulley Drive to connect with line shaft, and for prices on these two different type, see our price list.

For the Tool Room---

It is a precision lathe for your tool room work, and has graduations at every point for precision work. It is aligned within an accuracy of .0005. It takes collets up to a size, equal to the average 14" lathe, as it will take up to $\frac{7}{8}$ ", and has an $1\frac{5}{8}$ " hole through the spindle.

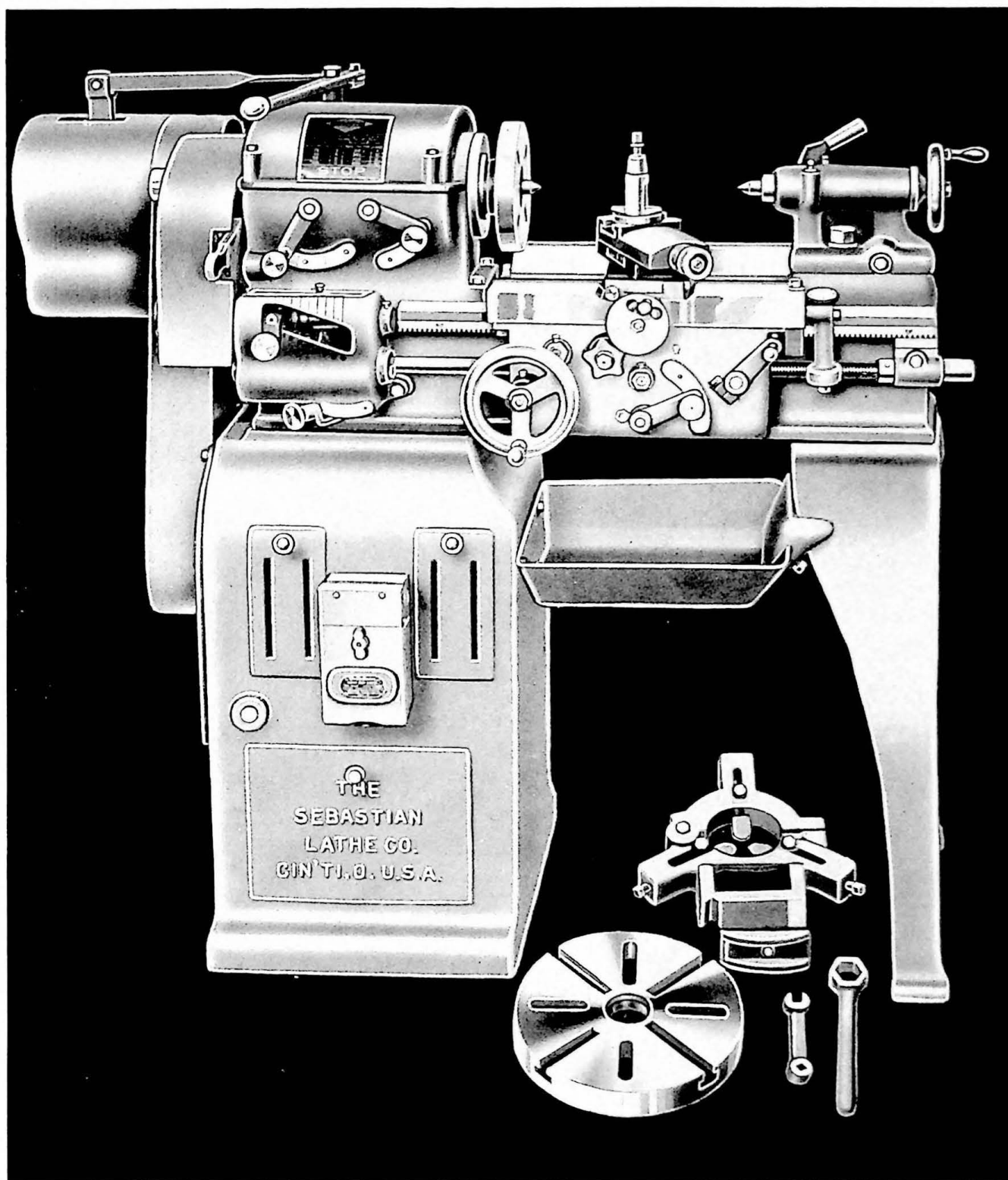
For the Manufacturing Plant---

It is built all the way through to be the heaviest 11" lathe, and the metal is so distributed that it will stand up under extremely heavy production. The Timken Bearings throughout the headstock are all oversize.

For the School---

In this machine you have the ideal small lathe for school purposes. The motor is built in the leg underneath the headstock, and there is a cabinet below the motor for tools etc. It is solidly steeled geared throughout, and it has all safety features. There is no shifting of belts.

The motor chain is guarded with cast iron guards. Adjustment for chain is provided. The top slide of the compound rest will not run out to lose the benefit of the underneath support. The feeds can not be thrown in simultaneously. A safety shear pin is provided at the end of the quick change box, which will snap off when an undue strain is put on the lathe preventing breakage. The speeds are obtained by the two levers on the front of the headstock. The stop and start on the lathe are controlled by a lever within easy reach of the operator, which lever, in turn controls the friction drive on the headstock. The Reverse for cutting left-hand threads is obtained by simply throwing the tumbler into a different position. The feeds and threads are all obtained through the two levers on the quick change box, and one sliding on the quick change tumbler shaft (there are no loose gears on the machine) and while the price is naturally higher than other machines of the same size, yet it is not so high as to be out of the reach of the average school appropriation, and we urge you to write this machine in your specifications.



11" HEAVY DUTY 16-SPEED GEARED HEAD MOTOR DRIVEN LATHE
Equipment shown is standard excepting Chip Pan

Principal Features

The heaviest 11" lathe built.
Timken Bearings in headstock.

Eight speed geared headstock. 26—620 R.P.M.

Sixteen speeds by using two-speed motor 19½—930 r.p.m.

Steel geared throughout.

1½" Hole through spindle.

Collet capacity, 7/8".

Can be furnished with Plain Bearings in Head at a lower price—size of Plain Bearings:

Front bearings 2 3/8" x 2 3/4".

Rear Bearings 1 5/8" x 2 1/4".

Motor built in leg.

Cabinet below motor in the leg.

Taper Gibs.

Tumbler Reverse Plate for cutting left hand threads (no loose gears).

Bronze Bushings wherever required.

Macit Tool Post Screws.

Lead Screw made from a Master P & W tested screw.

Silent Chain Drive.

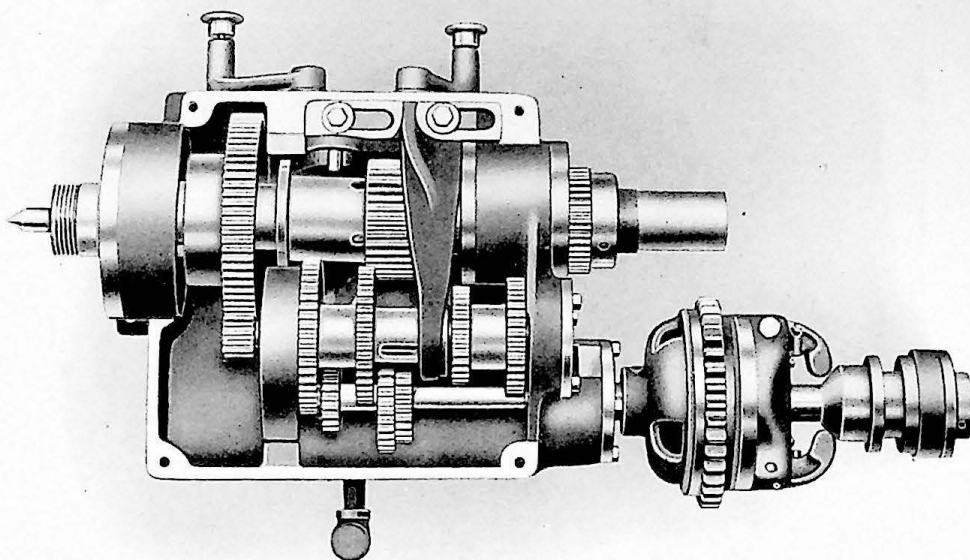
Safety Shear Pin.

Full quick change box—no loose gears.

Cuts threads 6—96. Feeds .00175—.111.

Compound Rest graduated.

Tail Stock graduated. Bronze shear wipers.



Cross feed collar—Friction type and graduated.

Compound Rest Collar—Friction type and graduated.

Depth stop for thread chasing.

Thread chasing dial.

Accuracy alignment test .0005.

All threads and feeds obtained without the use of loose gears.

Tail Stock Center Oiler.

Regular equipment includes Steady Rest, Centers and Wrenches. We can furnish practically every lathe attachment for this machine and for prices on extra equipment, we refer you to our Price List.

Specifications

Swings over bed.....12 1/8".
Swings over carriage.....8 3/8".
Lengths of Bed.....3' 4' 5' 6' 8'.
Hole through Spindle.....1 5/8".
Collet Capacity.....7/8".
Takes between Centers (4').....22 1/2".
Approximate Weight Crated (4' Bed) 1200 lbs
Size of Tool Holders....3/8" x 7/8" or 1/2 x 1".
Compound Rest Travels.....2".
Capacity of Steady Rest.....3".
Centers, Morse Taper.....No. 2.
Thread Range.....6—96.
Carriage Bridge.....4 1/4".
Spindle Nose 2 1/8" Dia... 8 threads per inch.
Export Case.....24" x 24" x 60" (4')
Approximate Weight for Export. 1400 lbs.
Width of Straight Carriage.....16".

Motor.....1 HP
Speed Motor.....1200 R. P. M.
Size of Drive Pulley on Geared Head. Single Pulley Drive..6" x 2 1/4".
Leadscrew diam. & Thread per inch. 3/8" 6TS.
Headstock Base Length.....12 5/8".
Tailstock Base Length.....7 1/8".
Tailstock Spindle Traverse.....4".
Tailstock Setover.....3/4".
Extra Bed Lengths 1'.....60 lbs.
Geared Head Speeds with 1 Speed
Motor.....26 to 620 R. P. M.
Geared Head Speeds with 2 Speed
Motor.....19 1/2 to 930 R. P. M.
Belt for single pulley drive.....2".
Speed of Drive Shaft.....500 R. P. M.
Geared Head Ratios.....3/4 to 20 to 1.

