

NEW *Logan* **LATHE** brings
NEW Larger Capacity at a
NEW Low Price



**No. 912
Floor Model
\$467.50**

Bench Model No. 905

\$387.50

F.O.B. Chicago

**11" SWING,
1" COLLET CAPACITY,
1 3/8" SPINDLE HOLE, 36" BETWEEN CENTERS**

● Now for the first time it is possible to obtain a lathe with this larger capacity at a nominal price. For general work this new lathe has the accuracy, capacity and versatility that have made Logan Lathes standard industrial tools. The precision preloaded ball bearing spindle mounting requires no adjustment from 45 to 1500 rpm. Spindle concentricity is held to within .0005" at a point 12 inches from the front bearing.

The two V-ways and two flat ways of the rugged, warp-free bed are precision ground to a tolerance of .0005" along the lineal capacity of the lathe. Self lubricating bronze bearings lengthen service life at vital wear points where ordinary lathe construction does not provide such protection. In brief, this lathe combines Logan accuracy, Logan versatility, and Logan dependability at a price that efficient construction methods make possible.

LOGAN ENGINEERING CO.

• CHICAGO 30, ILL.

STANDARD LOGAN DESIGN AND CONSTRUCTION

The new models No. 905, 907, 910 and 912 are identical to No. 915, 917, 920 and 922 except for (1) Plain change gears instead of quick change gear box (2) Carriage with single wall apron (similar to model No. 200) instead of carriage with double wall apron. For a wide variety of uses where quick change gears are not neces-

sary, these models give the maximum in capacity at the minimum in investment outlay still retaining Logan accuracy and quality construction.

These models take the same accessories used on other Logan Lathes in the 900 series as shown in the accessory catalog.

905 Bench Model 24" between centers
Shipping wt. 474 lbs.
\$387.50

910 Floor Model 24" between centers
Shipping wt. 586 lbs.
\$427.50

907 Bench Model 36" between centers
Shipping wt. 519 lbs.
\$425.00

912 Floor Model 36" between centers
Shipping wt. 634 lbs.
\$467.50

ALL PRICES F.O.B. CHICAGO, LESS MOTOR

SPECIFICATIONS

CAPACITY OF LATHE

Swing over bed and saddle wings 11 1/8"
Swing over saddle cross slide screw cutting lathes 6 1/8"
Distance between centers
24" and 36"

THREADS AND FEEDS

(PLAIN CHANGE GEAR)

Reversible power longitudinal feed
Reversible power cross feed
Lead Screw diameter and threads per in. 3/4"-8
Threads—46 selections RH or LH
4-216 per in.
Independent change gears—17 furnished
(6 on Lathe and 11 extra)
Width of face of change gears 7/16"

BED

Width of bed across way ... 6 15/16"
Length 43 1/8" and 55 1/8"
Precision ground ways; 2 prismatic "V" ways and 2 flat ways

HEADSTOCK AND SPINDLE

Spindle Bearings: Sealed New Departure Ball Bearings, precision type with preloading.
Back Gear Shaft Bearings: Self lubricating bronze bearings.
Hole through spindle—1 3/8"
Spindle Nose Diameter and threads per inch: 2 1/4"-8
Width of face of bull gear and back gears: 3/4".
Face plate diameter: 6"
Number of spindle speeds 12.
Spindle speeds, back gears engaged, 45, 63, 89, 125, 177, 250.

Spindle speeds, direct belt drive, 270, 380, 535, 753, 1060, 1500.

CROSS SLIDE AND COMPOUND REST

Cross Slide Travel 6 1/4".
Cross Slide graduated in thousandths.
Cross feed screw mounted on self-lubricating bronze bearings.
Compound Rest Travel 2 1/4".
Compound rest graduated in thousandths.
Compound swivel graduated 90° in both directions.
Tool post opening for tool holder shank 3/8" x 3/4".
Size of cutter bits used: 1/4" sq.

TAILSTOCK

Spindle travel: 4".
Spindle graduations 1/16".
Morse Taper center: No. 2.
Tailstock set-over for taper turning 11/16".

COUNTERSHAFT ASSEMBLY— FLOOR AND BENCH MODELS

2 Speed V Motor Pulley, step-diameters 2 33/64"—5 7/32".
Motor pulley bore 5/8" standard (1 1/2" or 3/4" if specified).
2 Speed flat countershaft pulley step diameters—7 5/8"—9 1/2".
40" x 1 1/2" V belt used in V of motor pulley and on flat of 2 step countershaft pulley.
3 Step flat belt cone pulley on countershaft. Width of step face, 1".
Countershaft mounted on self-lubricating bronze bearings.
Adjustable motor mounting bracket furnished with countershaft assembly.

Countershaft assembly independently supported on patented 3 point suspension.

Countershaft assembly completely insulated with rubber to prevent vibration being transmitted to lathe. Countershaft and all pulleys completely enclosed and guarded. Automatic belt tension release when guard for cone pulleys is raised to change belt steps.

LATHE EQUIPMENT

(Included in Price of Lathe)

1 6" Face Plate
2 60° Centers
17 Change Gears
1 Threading Dial
1 Threading Chart
1 Spindle Nose Adaptor to No. 2 Morse Taper
1 Tool Post Holder and Wrench
1 Tailstock Wrench
1 Reversing Switch

OVERALL DIMENSIONS

Bench Model
Length 54" or 66"
Width 30"
Height 21"
Floor Model
Length 54" or 66"
Width 30"
Height 48 1/2"

MOTOR

Use 1/2 H.P. 1750 R.P.M. Motor. If lathe is ordered without motor specify:

1. Bore of motor pulley to be furnished with lathe.
2. State whether 0636 or 0639 Drum Switch should be supplied.