

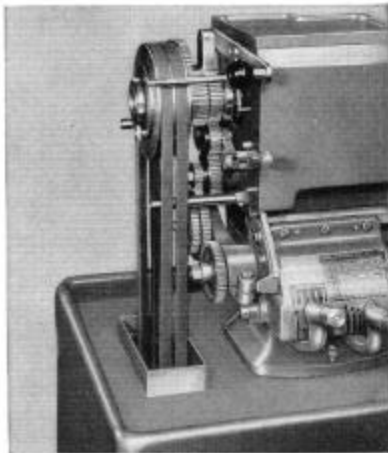


LATHES • SHAPERS • ACCESSORIES

LOGAN ENGINEERING CO. LAWRENCE AND LAMON AVE. CHICAGO 30, ILL.

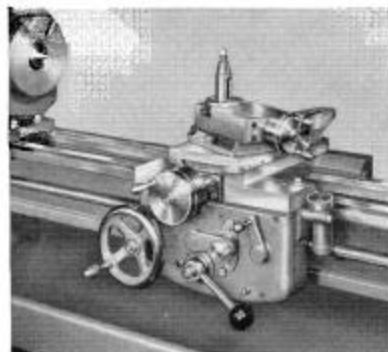
LOOK TO LOGAN FOR BETTER LATHES AND SHAPERS

Logan 12" SWING LATHES



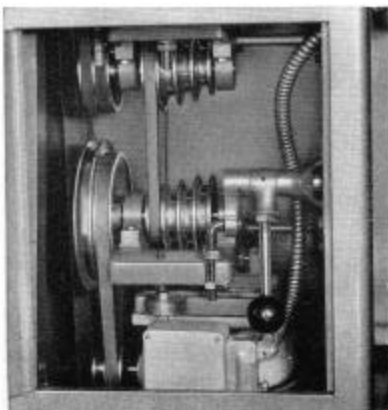
OUTBOARD V-BELT DRIVE

Double V-Belts transmit power to headstock with maximum efficiency and are easily accessible for change or adjustment.



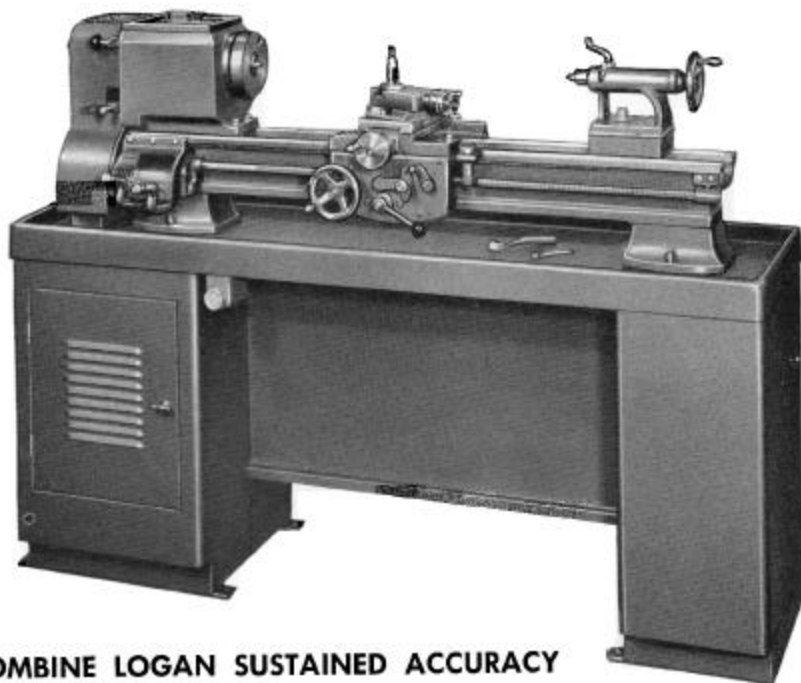
NEWEST, FINEST CARRIAGE

Built for convenience, rigidity, accuracy and durability. Apron operates in bath of oil. Simple, convenient, lever-operated disc type clutch.



UNDERNEATH V-BELT DRIVE

Jack-shaft and countershaft and motor completely enclosed, yet easily accessible. Lever operated belt tension release.



COMBINE LOGAN SUSTAINED ACCURACY WITH MORE CAPACITY AND MORE POWER

At spindle speeds that take full advantage of high speed carbide tools, or for hogging out a heavy cut, the Logan 12" Lathe produces precise results. The oversize ball bearing spindle provides sustained accuracy through its range of 16 speeds, from 38 to 1260 rpm. A massive headstock, the extra heavy spindle, wide spaced ball bearing spindle mountings, the outboard double V-Belt drive, and the rugged overall proportions of the lathe combine to assure smooth power and precision results on every type of lathe operation. The 12" swing, 1" collet capacity, and the 1 3/8" spindle hole are indicative of its ability to handle the bulk of any shop's lathe work.

These features are common to all Logan 12" Lathes:

DOUBLE V-BELT, "OUTBOARD" DRIVE . . .
assures more efficient transmission of power from countershaft to headstock, and simplifies belt replacement and adjustment. Uses 3/4 or 1 HP motor.

BALL BEARING SPINDLE
Made of 52-100 heat treated steel, and massively proportioned for extreme rigidity on heavy cuts, the Spindle turns on oversize New Departure precision pre-lubricated ball bearings.

MASSIVE HEADSTOCK . . .
Massive, extra heavy, reinforced box construction. Aged, semi-steel casting. New back gear shifting mechanism easily accessible and positive in action. Convenient tray top.

NEWEST, FINEST CARRIAGE DESIGN . . .
Carriage moves as close to headstock as job requires. Simple, convenient, lever-operated, disc type clutch. New large threading dial. Extra large compound and cross feed dials with graduations well separated and sharply defined for easy reading. Pre-tensioned for quick adjustment. Direct reading for each thousandth of radius cut, and wide separation of graduations permit accurate estimation of quarter-thousandths. Tool room quality dials. Accurately machined and ground top surfaces on cross slide and saddle permit mounting fixtures and use of magnetic indicators. Cross slide designed for direct application of taper attachment. Extra wide and long bearing surface on cross feed slide. Adjustable gibbs on cross slide and compound. Extra large supports throughout for tool rigidity. Apron operates in bath of oil.

SPECIFICATIONS

FOR 12 INCH LOGAN LATHES

CAPACITY

Swing over bed and saddle wings.....12"
 Swing over saddle cross slide.....6-9/16"
 Distance between centers.....23" (2957-35")

CROSS SLIDE AND COMPOUND REST

Cross Slide Travel 6 1/4"
 Compound Rest Travel 2 1/4"
 Compound Rest graduated 90° in both directions
 Tool Post Opening for Tool Holder 3/8" x 3/4"
 Size of cutter bits 1/4" sq.

HEADSTOCK AND SPINDLE

Spindle Bearings (4) Sealed, Precision New Departure
 Hole through Spindle 1 3/8"
 Spindle Nose diameter and threads per inch 2 1/4"-8
 Drive Plate Diameter 6"
 Number of Spindle Speeds 16
 Spindle Speeds, direct drive—235, 325, 425, 510, 585, 700,
 925, 1260
 Spindle Speeds, Back gears engaged—38, 60, 70, 85, 97, 115,
 154, 210
 Spindle Nose Adapter to #2 Morse

BED

Width of bed across ways 6-15/16"
 Length of bed.....43 1/8" (2957—55 1/8")
 Precision ground ways, 2 prismatic "V" ways and 2 flat ways

TAILSTOCK

Spindle Travel4"
 Spindle Graduations1/16"
 Morse Taper Center#2
 Tailstock set-over for Taper turning.....11/16"

UNDERNEATH DRIVE

Two step drive—Motor Pulley to Countershaft
 V-belt B section Belt size 40 x 5/8 inches
 Four step drive Countershaft to Jackshaft
 V-belt B section Belt size 30 x 5/8 inches
 Double V Belt Drive—Jackshaft to Spindle
 B section belt, belt size 60 x 5/8 inches
 Jackshaft and Countershaft mounting—Ball Bearings

THREADS AND FEEDS

Quick Change Gear Box and Automatic Apron
 Worm Drive from lead screw spline for Power feeds
 Longitudinal feed .0018" to .1000" per spindle revolution
 Cross feed .25 times longitudinal feed
 Half nut drive from lead screw thread for thread cutting
 Threads 48 selections RH or LH—4 to 224 per inch
 Lead screw diameter and threads per inch—3/4"-8

MOTOR AND SWITCH

Use 3/4 or 1 HP motor 1750 rpm
 Drum type reversing switch furnished

LATHE EQUIPMENT INCLUDED WITH LATHE

1 6" Drive Plate	1 #2 Morse Taper Adapter Sleeve
2 60° Centers	1 Tool Post and Wrench
1 Threading Dial	1 Tailstock Wrench
1 Threading Chart	1 Drum Reversing Switch

Parts List and Instruction Book

OVERALL DIMENSIONS

	# 2955		# 2957
Length	59"	Length	70 1/2"
Width	21"	Width	21"
Height	49"	Height	49"

Screw Cutting Lathes

Lathe No.		Ship. Wt. (Lbs.)
2955	Quick Change, Pedestal Cabinet Model, 23" Centers, V-Belt Drive	950
2957	Quick Change, Pedestal Cabinet Model, 35" Centers, V-Belt Drive.....	1010

Turret Lathes

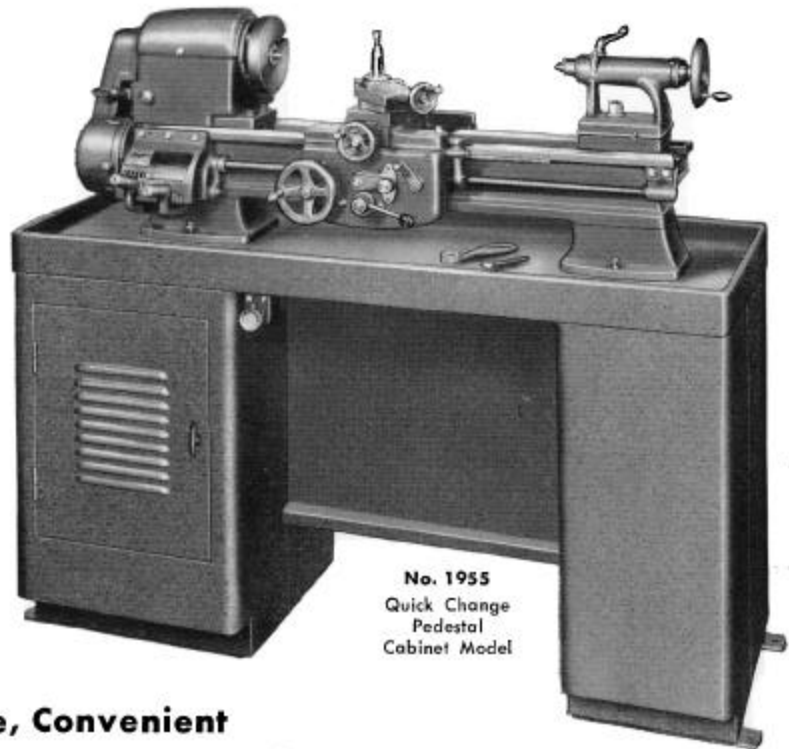
2935	Quick Change, Pedestal Cabinet Model, 43" Bed, Lever Turret, V-Belt Drive.....	1105
2935-2	Quick Change, Pedestal Cabinet Model, 43" Bed, Pilot Wheel Turret, V-Belt Drive.....	1115

(2935 and 2935-2 are same construction as 2955 but with turret and double tool post cross slide in place of tailstock and compound rest)

Logan 11" SWING LATHES

Typical Advanced Design Features

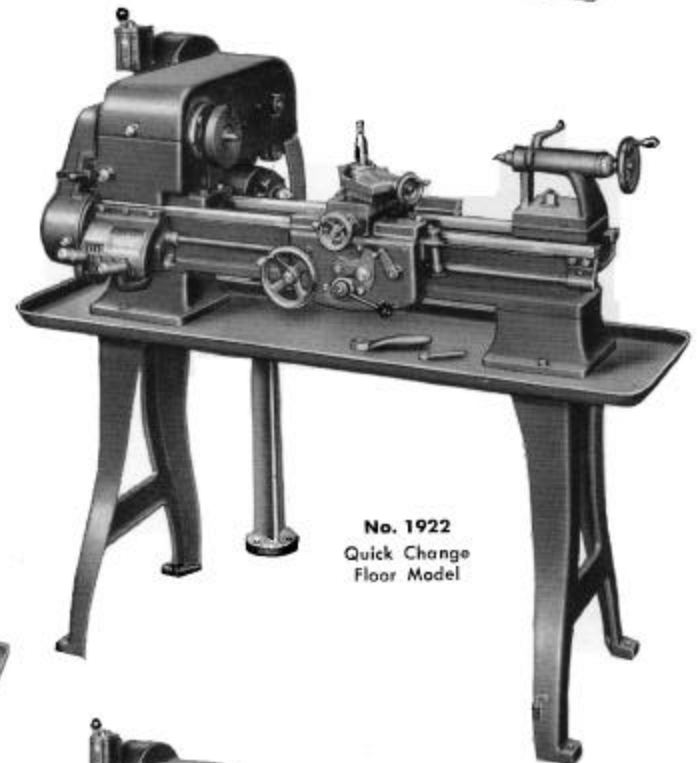
- 16 Speed V-Belt Drive
- Ball Bearing Headstock
- Ball Bearing Countershaft
- Precision Ground V-Way Bed
- Automatic Apron with lever operated disc type clutch



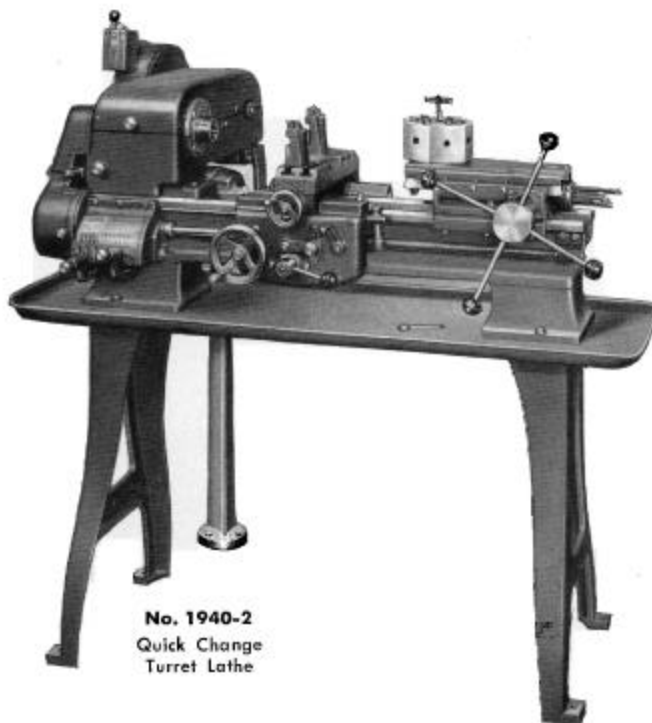
No. 1955
Quick Change
Pedestal
Cabinet Model

Accurate, Versatile, Durable, Convenient

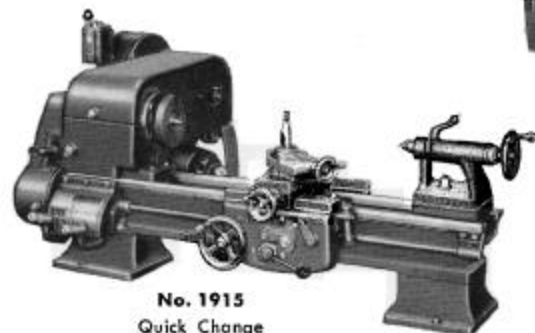
These lathes have the capacity that goes with 11" swing, 1" collet, 1 $\frac{3}{8}$ " spindle hole, and center distances of 24" and 36". They have the sustained accuracy that results from the Logan ball bearing spindle, and the rugged, two-V-way, two flat way bed with ways precision ground to a tolerance of .0005". They have the advanced design and rugged construction that insure the extra long service life for which Logan Lathes are known.



No. 1922
Quick Change
Floor Model



No. 1940-2
Quick Change
Turret Lathe



No. 1915
Quick Change
Bench Model

SPECIFICATIONS

FOR 11 INCH LOGAN LATHES

CAPACITY OF LATHE

Swing over bed and saddle wings.....11½"
 Swing over saddle cross slide screw cutting lathes.....6½"
 Swing over saddle cross slide turret lathe.....4½"

THREADS AND FEEDS

Quick change gear box and automatic apron
 Worm drive from lead screw spline for power feeds
 Friction clutch on power feeds
 Longitudinal feed .0018" to .1000" per spindle revolution
 Cross feed .25 times longitudinal feed
 Half nut drive from lead screw thread for thread cutting
 Threads—48 selections RH or LH—4 to 224 per inch
 Lead screw diameter and threads per inch ¾"-8

BED

Width of bed across way.....6-15/16"
 Length43½" and 55½"
 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
 Hole through spindle—1⅝"
 Draw-in collet capacity.....1"
 Spindle Nose Diameter and threads per inch: 2¼"-8
 Width of face of bull gear and back gears: ¾"
 Face plate diameter: 6"
 Number of spindle speeds: 16. 45-1500 rpm

CROSS SLIDE AND COMPOUND REST, SCREW CUTTING LATHE

Cross Slide Travel 6¼"
 Cross Slide graduated in thousandths
 Cross feed screw mounted on self lubricating bronze bearings
 Compound Rest Travel 2¼"
 Compound rest graduated in thousandths
 Compound swivel graduated 90° in both directions
 Tool post opening for tool holder shank ⅝" x ¾"
 Size of cutter bits used—¼" sq.

CROSS SLIDE, TURRET LATHE

Cross Slide Travel 6"
 Cross Slide graduated in thousandths
 Cross feed screw mounted on self lubricating bronze bearings
 Adjustable double tool post with adjustable wedges
 Tool post slots 7/16" x 1-9/16"

TAILSTOCK

Spindle Travel: 4"
 Spindle Graduations: 1/16"

Morse Taper center: No. 2
 Tailstock set-over for taper turning: 11/16"

TURRET

Distance across flats 5¼"
 Six position, self indexing with adjustable stops
 Turret holes, diameter ⅝" regular—¾" on special order
 Turret holes bored from headstock of lathe
 Maximum stroke of turret—4¼"

COUNTERSHAFT ASSEMBLY — FLOOR AND BENCH MODELS

All "V" belt drive
 Two step motor pulley—Four step countershaft pulley
 Countershaft mounted on ball bearings
 Adjustable motor mounting bracket
 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

UNDERNEATH DRIVE (Pedestal Models)

Two step motor pulley to countershaft drive, B section V-belt, Belt size, 40" x ⅝"
 Four step countershaft to jackshaft drive, B section V-belt, Belt size, 30" x ⅝"
 Double V-belt drive, Jack shaft to spindle, A section V-Belts, Belt sizes, 49" x ½"
 Jack shaft and countershaft mounting—Ball Bearing

LATHE EQUIPMENT

1 6" Face Plate	1 Spindle Nose Taper Adaptor
2 60° Centers	No. 2 M.T.
1 Threading Dial	1 Tool Post Holder and Wrench
1 Threading Chart	1 Tailstock Wrench
Parts List and Instruction Book	

OVERALL DIMENSIONS

Model 1920 — L 54"	W 30"	H 48½"
Model 1922 — L 66"	W 30"	H 48½"
Model 1955 — L 59"	W 21"	H 48¾"
Model 1957 — L 70½"	W 21"	H 48¾"

MOTOR

Use ¾ HP, 1750 RPM Motor
 If lathe is ordered without motor, specify bore of motor pulley to be furnished with lathe

Screw Cutting Lathes

Lathe No.		Ship. Wt. (Lbs.)
1915	Quick Change, Bench Model, 24" Centers, V-Belt Drive.....	505
1917	Quick Change, Bench Model, 36" Centers, V-Belt Drive.....	550
1920	Quick Change, Floor Model, 24" Centers, V-Belt Drive.....	615
1922	Quick Change, Floor Model, 36" Centers, V-Belt Drive.....	665
1955	Quick Change, Pedestal Cabinet Model, 24" Centers, V-Belt Drive.....	810
1957	Quick Change, Pedestal Cabinet Model, 36" Centers, V-Belt Drive.....	870

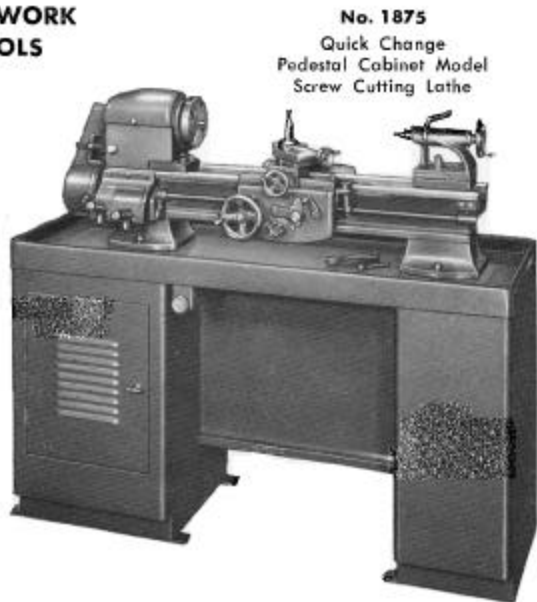
Turret Lathes

1935	Quick Change, Pedestal Cabinet Model, 43" Bed, Lever Turret, V-Belt Drive.....	865
1935-2	Quick Change, Pedestal Cabinet Model, 43" Bed, Pilot Wheel Turret, V-Belt Drive.....	875
(1935 and 1935-2 are same as 1955 but with turret and double tool post cross slide in place of tailstock and compound rest)		
1940	Quick Change, Floor Model, 43" Bed, Lever Turret, V-Belt Drive.....	670
1940-2	Quick Change, Floor Model, 43" Bed, Pilot Wheel Turret, V-Belt Drive.....	680
(1940 and 1940-2 are same as 1920 but with turret and double tool post cross slide in place of tailstock and compound rest)		

Logan 10" SWING LATHES

FOR SMALL TO MEDIUM WORK
IN INDUSTRY AND SCHOOLS

Industrial shops and production lines reduce costs and improve efficiency by concentrating small and medium work on Logan 10" Lathes. School shops find these versatile, rugged tools ideal for training. Ball bearing spindle mountings; rugged two V-way, two-flat-way beds precision ground to a tolerance of .0005"; self-lubricating bronze bearings at vital wear points . . . are typical of the features that make these 10" Logans outstanding performers.

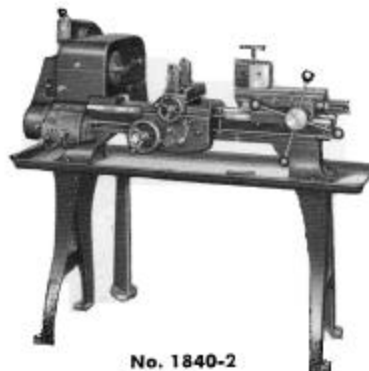


No. 1875
Quick Change
Pedestal Cabinet Model
Screw Cutting Lathe

Lathe No.	Screw Cutting Lathes	Ship. Wt. (Lbs.)
1805	Plain Change, Bench Model, 24" Centers, V-Belt Drive	410
1806	Plain Change, Bench Model, 31" Centers, V-Belt Drive	440
1810	Plain Change, Floor Model, 24" Centers, V-Belt Drive	510
1811	Plain Change, Floor Model, 31" Centers, V-Belt Drive	545
1815	Quick Change, Bench Model, 24" Centers, V-Belt Drive	435
1816	Quick Change, Bench Model, 31" Centers, V-Belt Drive	470
1820	Quick Change, Floor Model, 24" Centers, V-Belt Drive	540
1821	Quick Change, Floor Model, 31" Centers, V-Belt Drive	575
1875	Quick Change, Pedestal Cabinet Model, 24" Centers, V Belt Drive	735

Turret Lathes

1830	Hand Screw, Floor Model, 43" Bed, Lever Turret, V-Belt Drive	540
1830-2	Hand Screw, Floor Model, 43" Bed, Pilot Wheel Turret, V-Belt Drive	550
1835	Quick Change, Pedestal Cabinet Model, 43" Bed, Lever Turret, V-Belt Drive	790
1835-2	Quick Change, Pedestal Cabinet Model, 43" Bed, Pilot Wheel Turret, V-Belt Drive	800
(1835 and 1835-2 are same as 1875 but with turret and double tool post cross slide in place of tailstock and compound rest)		
1840	Quick Change, Floor Model, 43" Bed, Lever Turret, V-Belt Drive	590
1840-2	Quick Change, Floor Model, 43" Bed, Pilot Wheel Turret, V-Belt Drive	600
(1840 and 1840-2 are same as 1820 but with turret and double tool post cross slide in place of tailstock and compound rest)		
1850	Plain Change, Floor Model, 43" Bed, Lever Turret, V-Belt Drive	560
1850-2	Plain Change, Floor Model, 43" Bed, Pilot Wheel Turret, V-Belt Drive	570
(1850 and 1850-2 are same as 1810 but with turret and double tool post cross slide in place of tailstock and compound rest)		



No. 1840-2
Quick Change
Pilot Wheel Turret Lathe



No. 1830-2 Hand Screw
Machine. 43" bed, Pilot
Wheel Turret, V-Belt drive.
Lever operated double tool post cross slide
clamps directly to bed in place of carriage.

No. 1830 Same as No. 1830-2, but has
lever operated turret. Order LA 32-34
Bar Feed for use with these lathes.

SPECIFICATIONS

CAPACITY OF LATHE

Swing over bed	10 1/2"
Swing over saddle cross slide	6 1/8"
Distance between centers	24" or 31"

THREADS AND FEEDS

(Quick Change Models)

Quick change gear box and automatic apron	
Worm drive from lead screw spline for power feeds	
Friction clutch on power feeds	
Longitudinal feed .0018" to .1000" per spindle revolution	
Cross feed .25 times longitudinal feed	
Hall nut drive from lead screw thread for thread cutting	
Threads—48 selections RH or LH—4 to 224 per inch.	

THREADS AND FEEDS

(Plain Change Models)

Reversible power longitudinal feed	
Reversible power cross feed	
Threads—46 selections RH or LH . . . 4-216 per in.	
Independent change gears — 17 furnished (6 on Lathe and 11 extra)	

BED

Width of bed across ways	6-15/16"
Bed length	43 1/8" or 50"
Precision ground ways; 2 prismatic "V" ways and 2 flat ways	

HEADSTOCK AND SPINDLE

Front bearing—double row ball bearing	
Rear bearing—single row ball bearing	
Hole through spindle	25/32"
Draw-in collet capacity	1/2"
Morse Taper with adaptor, No. 3—No. 2	
Size of centers used, Morse Taper No. 2	
Spindle nose diameter and threads per in.	1 1/2"-8
Number of spindle speeds	12 (16 speeds No. 1875)
Spindle speeds	30-1450 rpm.

CARRIAGE AND COMPOUND REST

Cross slide graduated in thousandths—	
Travel	6 1/4"
Compound rest top slide graduated in thousandths — Travel	2 1/4"
Compound rest swivel — graduated 90° in both directions	
Tool post opening for tool holder	3/8" x 3/4"
Size of cutter bits used	1/4" sq.

TAILSTOCK

Spindle travel	2 3/8"
Spindle graduations	1/16"
Morse Taper center	No. 2
Tailstock set over for taper turning	11/16"

COUNTERSHAFT ASSEMBLY

(Floor or Bench Models)

All "V" belt drive	
Two step motor pulley—Three step countershaft pulley	
Countershaft mounted on ball bearings	
Adjustable motor mounting bracket	
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	

UNDERNEATH DRIVE

(Pedestal Model)

Two step motor pulley to countershaft drive, B Section V-belt, Belt size, 40" x 5/8"	
Four step countershaft to jackshaft drive, B section V-belt, Belt size, 30" x 5/8"	
Double V-belt drive, Jack shaft to spindle, A section V-belts, Belt sizes, 49" x 1/2"	
Jack shaft and countershaft mounting—Ball bearing	

LATHE EQUIPMENT

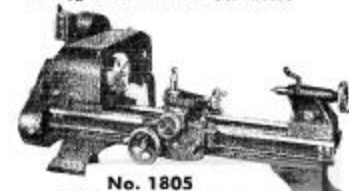
1 6" Face Plate	1 No. 3—No. 2 Morse Taper Adaptor
2 60° Centers	1 Tool Post Holder and Wrench
17 Change Gears	1 Threading Dial
1 Threading Chart	1 Tailstock Wrench
Parts List and Instruction Book	

OVERALL DIMENSIONS

Model 1820—L54" W30" H48 1/2"
Model 1821—L61" W30" H48 1/2"
Model 1875—L55 1/2" W20 1/2" H48"

MOTOR

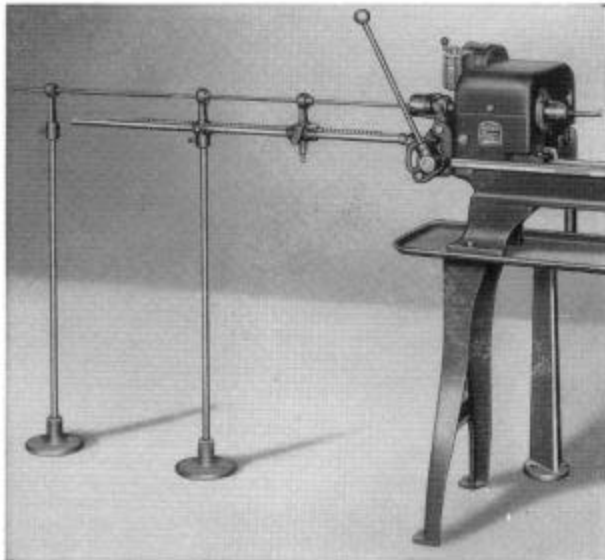
Use 1/2 H.P. 1750 R.P.M. motor



No. 1805
Plain Change Bench
Model Screw Cutting Lathe

Logan LATHE ACCESSORIES

BAR FEED



For use on No. 1830 or No. 1830-2 Hand Screw Machines only. Maximum capacity $\frac{5}{8}$ " round stock. Maximum feed per stroke is 2". No. AC-50 Push Type Collets are used in sizes from $\frac{1}{16}$ " to $\frac{3}{8}$ ". A patented cam action prevents feeding while bar is being locked in collet and eliminates locking while bar is being fed.
No. LA-32-34 Ship. wt. 45 lbs.

BITS

- No. 560** Hss. Blank Cutter Bits, size $\frac{1}{4}$ " x $\frac{1}{4}$ " x 2"—packaged set of 6, ship. wt. 1 lb.
- No. 561** Hss. Formed Cutter Bits, size $\frac{1}{4}$ " x $\frac{1}{4}$ "—packaged set of 6, ship. wt. 1 lb.
- No. 558** Carbide Tipped Formed Bits, size $\frac{1}{4}$ " x $\frac{1}{4}$ "—packaged set of 6, ship. wt. 1 lb.

BORING BARS

Used with No. 556 Boring Tool Holder

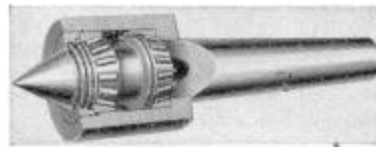
Article Nos.	Size	Ship. Wt.
570-A	$\frac{1}{8}$ x 4"	$\frac{1}{4}$ lb.
570-B	$\frac{3}{16}$ x 4 $\frac{1}{2}$ "	$\frac{1}{4}$ lb.
570-C	$\frac{1}{4}$ x 5"	$\frac{1}{4}$ lb.
570-D	$\frac{5}{16}$ x 6"	$\frac{1}{4}$ lb.
570-E	$\frac{3}{8}$ x 7"	$\frac{1}{2}$ lb.
570-F	$\frac{7}{16}$ x 8"	$\frac{1}{2}$ lb.



SPINDLE BRAKE

Fits any Logan 11" Swing Lathe. Replaceable leather shoe applies friction to spindle for rapid brake. Spring return lever.
No. AC-325 Spindle brake with screws for attaching.
 Shipping weight, 10 lbs.

ANTI-FRICTION CENTER



Live center. Grease-sealed precision bearings. No. 2 Morse Taper shank. Centerpiece angle 60°.

No. 595-1 Ship. Wt. 3 lbs.

60° MALE CENTER

No. LA-187 Hardened, ground. No. 2 M. T. shank. Ship. Wt. $\frac{1}{2}$ lb.

CHUCK ADAPTERS



No. AC-113 Mounts 3662 and 3634 Chucks on $1\frac{1}{2}$ "-8 Spindle. Ship. wt. 7 lbs.

No. AC-114 Mounts 3662 and 3634 Chucks on $2\frac{1}{4}$ "-8 Spindle. Ship. wt. 7 lbs.

No. T-978 Mounts 4733 Chuck on $2\frac{1}{4}$ "-8 Spindle. Ship. wt. 9 lbs.

No. AC-101 Threaded $1\frac{1}{2}$ "-8 for 5" Chucks, Unfinished Face. Ship. wt. 4 lbs.

No. AC-104 Threaded $1\frac{1}{2}$ "-8 for 6" Chucks, Unfinished Face. Ship. wt. 7 lbs.

No. AC-107 Threaded $2\frac{1}{4}$ "-8 for 6" Chucks, Unfinished Face. Ship. wt. 7 lbs.

CHUCK ARBORS

447 No. 2 M.T. for #451 Jacobs Chuck. Shipping wt. 1 lb.

448 No. 2 M.T. for #452 and #455 Jacobs Chucks. Ship. wt. 1 lb.

JACOBS CENTER REST CHUCK

$\frac{1}{4}$ "- $\frac{3}{4}$ " capacity. Requires No. 448 Arbor.
No. 455 Shipping wt. 2 lbs.



JACOBS DRILL CHUCKS

No. 451 0- $\frac{1}{2}$ " capacity. Requires No. 447 Arbor. Ship. wt. 2 $\frac{1}{2}$ lbs.

No. 452 $\frac{3}{16}$ "- $\frac{3}{4}$ " capacity. Requires No. 448 Arbor. Ship. wt. 3 $\frac{1}{2}$ lbs.



JACOBS HEADSTOCK CHUCKS

No. 453 $\frac{1}{8}$ "- $\frac{5}{8}$ " capacity. For $1\frac{1}{2}$ "-8 thread spindle. Ship. wt. 3 $\frac{1}{2}$ lbs.

No. 454 $\frac{3}{16}$ "- $\frac{3}{4}$ " capacity. For $1\frac{1}{2}$ "-8 thread spindle. Ship. wt. 4 $\frac{1}{2}$ lbs.



JACOBS COMMUTATOR CHUCK KIT

Contains a Jacobs Armature Driving Chuck, $\frac{1}{4}$ to $\frac{3}{4}$ " capacity, and a Center Rest Chuck also $\frac{1}{4}$ to $\frac{3}{4}$ " capacity. Both chucks equipped with No. 2 Morse Taper Arbors to fit the headstock and tailstock.

No. 459 Shipping wt. 9 lbs.



LOGAN LATHE ACCESSORIES

BUCK ADJUST-TRU CHUCKS

6-Jaw and 3-Jaw Types

Chuck to .0005" precision in 1 minute, and re-chuck to .0005" on duplicate parts with scroll chuck speed, with no further adjustment. Hold I. D. and O. D. true . . . and end most needs for stub arbors, mandrels and special fixtures.



6-Jaw Type Replaces Collets

Infinite spindle hole capacity from 1/8" to 1 1/2". Replaces step collets, too. Step jaws provide such capacity from 1/8" to 5". All told, this single chuck handles the work of 93 collets!

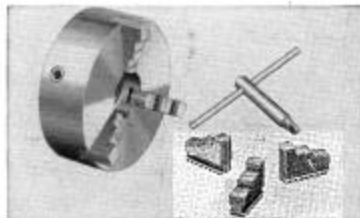
No. 3662 6" diameter, 1 1/2" center clearance, 3/4" jaw width, 6 internal and 6 external jaws. Order AC-113 or AC-114 Chuck adapter. Shipping wt., 29 lbs.

3-Jaw Type Replaces 4-Jaw Chucks

Has the accuracy of 4-jaw chucks plus the speed and versatility 4-jaw chucks lack.

No. 3634 6" diameter, 1 1/2" center clearance, 3/4" jaw width, 3 internal and 3 external jaws. Order AC-113 or AC-114 Chuck adapter. Shipping wt., 27 lbs.

No. 4733 7 1/2" diameter. Order No. T-978 Chuck Adapter. Shipping wt., 35 lbs.



3-JAW UNIVERSAL CHUCKS

No. 436 Medium Duty, 5". Body of chuck threaded for 1 1/2"-8 thread spindle. Shipping wt., 12 lbs.

No. 431 Heavy Duty, 5". Body of chuck threaded for 1 1/2"-8 thread spindle. Shipping wt., 15 lbs.

No. 1063 Heavy Duty, 6". Adapter furnished for 2 1/4"-8 thread spindle. Shipping wt., 20 lbs.



4-JAW INDEPENDENT CHUCKS

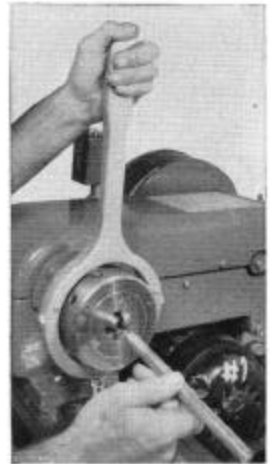
No. 444 6", 4-Jaw. Body of chuck threaded for 1 1/2"-8 thread spindle. Shipping weight, 13 lbs.

No. 1064 6", 4-Jaw. Adapter furnished for 2 1/4"-8 thread spindle. Shipping weight, 20 lbs.

No. 1284 8", 4-Jaw. Adapter furnished for 2 1/4"-8 thread spindle. Shipping weight, 27 lbs.

HAMPTON SPEED CHUCKS

Handles round or hexagon stock with the same set of jaws and identical adjustments. Simplifies precision production of concentric and eccentric parts. Jaws opened and closed 1/64" without stopping spindle. Complete set of socket wrenches with each model.



No. 600 1" capacity, complete with 3 sets of jaws, 1/8" to 1", lathe bed clamp, stop plate, spanner wrench and with 1 1/2"-8 thread adapter. Shipping weight, 22 lbs.

No. 601 1-5/16" capacity, complete with 4 sets of jaws, 1/8" to 1-5/16", lathe bed clamp, stop plate, spanner wrench and with 2 1/4"-8 thread adapter. Shipping weight, 26 lbs.



DRAW-IN COLLETS

No. AC-30 Used with #AC-152, #AC-165 and #AC-166 Collet Attachments. Sizes 1/16" to 1/2" by 32ds. Round. Ship. wt., 1/2 lb.

No. AC-35-5 Set of 15 #AC-30 Collets, 1/16" to 1/2" by 32ds. Ship. wt. 7 lbs.

No. 475 Used with #AC-360, #360-1, #AC-2360, #LA-1050, #LA-1050-1, #AC-2050 Collet Attachments. Sizes 1/16" to 1" by 32ds. Round. Ship. wt. 3/4 lb.

No. 477-5 Set of 31 #475 Collets, 1/16" to 1" by 32ds. Ship. wt. 18 lbs.

PUSH TYPE COLLETS

No. AC-50 Used with #LA-32-34 Bar Feed on Hand Screw Machines only. Sizes 1/16" to 5/8" by 32ds. Round. Ship. wt. 1/2 lb.

No. AC-45-5 Set of 19 #AC-50 Collets, 1/16" to 5/8" by 32ds. Ship. wt. 8 lbs.

DRAW-IN COLLET CHUCK ATTACHMENTS

All attachments consist of hollow draw bar, tapered closing sleeve, spindle nose cap and spindle cap wrench.



No. AC-152 Chucks work between 1-16" and 1/2" diam. Uses No. AC-30 Collets. For Logan 10" Lathes. Shipping wt., 5 lbs.

No. LA-1050 Chucks 1/16"-1" diameter work. Uses No. 475 Collets. For Logan 11" Lathes with Serial No. 52575 and under. Shipping wt., 7 lbs.

No. LA-1050-1 Same as No. 1050 for 11" Logan Lathes with Serial No. 52576 and over. Shipping wt., 7 lbs.

No. AC-2050 Uses No. 475 Collets and chucks work between 1/16" and 1". For Logan 12" Lathes. Shipping wt., 8 lbs.

LOGAN LATHE ACCESSORIES



PRODUCTION COLLET ATTACHMENTS

All models lever operated. Open and close while lathe spindle is in motion.

No. AC-165 Uses #AC-30 Collets. For #200 Series Lathes. Ship. wt., 12 lbs.

No. AC-166 Uses #AC-30 Collets. For

- #800 and #1800 Series Lathes. Ship. wt., 12 lbs.
No. AC-360 Uses #475 Collets. For Logan 11" Lathe, Serial Number 52575 and Under. Ship. wt., 18 lbs.
No. AC-360-1 Uses #475 Collets. For Logan 11" Lathes, Serial Number 52576 and Over. Ship. wt., 18 lbs.
No. AC-2360 Uses #475 Collets. For Logan 12" Lathes. Ship. wt. 20 lbs.

COLLET RACKS

Clamp to rear way of any Logan Lathe bed. Provide convenient storage and protection for collets.

- No. AC-340** for AC-30 Collets. Ship. wt., 7 lbs.
No. AC-350 for AC-50 Collets. Ship. wt., 7 lbs.
No. AC-345 for No. 475 Collets. Ship. wt., 7 lbs.



COMPOUND REST ASSEMBLIES



No. LA-49-4 Standard equipment on Logan 11" screw cutting Lathes and on all 10" Lathes with Serial Number 50843 and up. Also fits 11" Turret Lathes in place of the double tool post cross slide. Complete as shown with tool post and wrench. Shipping weight, 13 lbs.

- No. LA-49-1** For 10" Lathes, Serial Number 29567 and Under. Ship. wt., 13 lbs.
No. LA-49-3 For 10" Lathes, Serial Number 29568 to 50842. Ship. wt., 13 lbs.
No. LA-1178 For 12" Lathes. Ship. wt., 17 lbs.

DOUBLE TOOL POST CROSS SLIDE (Lever Operated)

- No. LA-25-1** Fits any 10" Logan Lathe bed. Has adjustable stops with a maximum travel of 3". Adjustable wedges for tool holder slot included. Ship. wt., 30 lbs.
No. LA-1108 Same as LA-25-1, for 11" Lathes. Ship. wt., 32 lbs.



DOUBLE TOOL POST CROSS SLIDE

No. LA-29 For Lathes with Serial Number 29567 or under. Manual feed by hand wheel or power cross feed. Adjustable tool post wedges included. Shipping wt., 18 lbs.

No. LA-29-1 For Lathes with Serial Number 29568 or over. Fits all 11" Lathes. Shipping wt., 18 lbs.

- No. LA-77** For 12" Lathes. Replaces Compound Rest Assembly. Ship. wt., 24 lbs.
No. AC-318 Same as #LA-29-1, but with Added Lever Operation. Ship. wt., 22 lbs.
No. AC-304 Same as #LA-77, but with Added Lever Operation. Ship. wt., 26 lbs.
No. AC-310 Lever Attachment for Cross Slide. Converts #LA-29-1 to #AC-318 and #LA-77 to #AC-304. Ship. wt., 5 lbs.



CENTER COUNTERSINK DRILLS

Drill and countersink bearings for Lathe Center. Three sizes.

No.	Size	Ship. wt.
575-A	1/16"	1/4 lb.
575-B	3/32"	1/4 lb.
575-C	1/8"	1/4 lb.

LATHE DOGS

Bent Tail Type, with Square Head Set Screw.



No.	Cap.	Ship. wt.	No.	Cap.	Ship. wt.
580-A	3/8"	1/4 lb.	580-D	1"	1/2 lb.
580-B	1/2"	1/4 lb.	580-E	1 1/4"	1/2 lb.
580-C	3/4"	1/4 lb.	580-F	1 1/2"	1/2 lb.

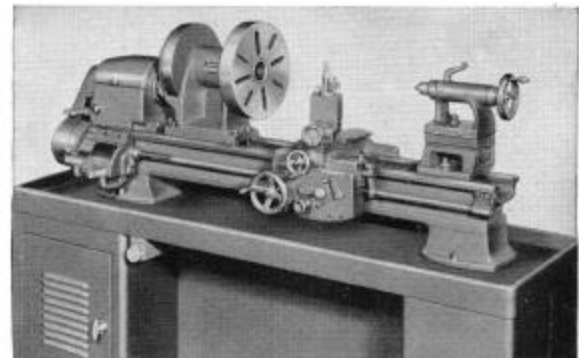
CLAMP TYPE LATHE DOGS



No.	Cap.	Ship. wt.
585	1 3/4"	1/2 lb.
586	2 1/4"	3/4 lb.

AUXILIARY HEAD

Adapts Logan 11" Lathes for Oversize Work



Mounted on Logan 11" Lathe. Note raising blocks in position under the tool post and tailstock

Gives Logan 11" Lathes 14 1/2" Swing over wings of carriage . . . Ball Bearing Mounted Spindle . . . 2 1/4", 8-Thread Spindle Nose . . . Attached in 10 minutes, easy to detach . . . 12" Face Plate.

Gear reduction feature permits cutting threads four times as coarse as in regular operation. Spindle center is set back as well as elevated. As a result, in turning large work, the pressure from the cut is over the lathe way, not overhanging. Provides the smooth operation on heavy cuts essential to accuracy. Raising blocks for the tool post and tailstock assembly furnished.

No. AC-400 Shipping weight, complete, 140 lbs.

LACQUER ENAMEL

No. 499 1 pt. Matches Standard Logan Gray. Brush or Spray. Shipping weight, 2 lbs.

METRIC TRANSPOSING GEARS

Each complete set includes bracket, gear guards and transposing gear chart. Each equips a standard Logan Lathe to cut right hand and left hand metric screw threads ranging from 6 mm. pitch to .020 mm. pitch. All gears semi-steel, 16 pitch, 7/16" wide and carefully machined.

- No. AC-130** For 10" Plain Change Gear Lathes. Ship. wt., 29 lbs.
No. AC-143 For 10" Quick Change Gear Lathes with Serial No. 46561 and up. Ship. wt., 35 lbs.
No. AC-320 For 11" Quick Change Gear Lathes. Ship. wt., 35 lbs.

LOGAN LATHE ACCESSORIES

PALMGREN MILLING ATTACHMENT



Mounted in 10 seconds on any 1½" diameter tool post. Allows lathe to be used for slotting, milling, sawing, grooving, squaring, recessing, etc. Jaws are 2½" wide, 1-7/16" deep, and open to 2½".
No. 250 Shipping weight, 14 lbs.



DRILL PAD

No. AC-300 No. 2 Morse Taper. Ship. wt., 1 lb.

1750 RPM ELECTRIC MOTORS

No.	Description	Ship. Wt.
1105	½ H.P., 1 Phase, 110/220V, 60 Cycle	50 lbs.
1106	½ H.P., 1 Phase, 110/220V, 50-Cycle	50 lbs.
1110	½ H.P., 3 Phase, 220/440V, 60 Cycle	50 lbs.
1111	½ H.P., 3 Phase, 220/380 V, 60-Cycle	50 lbs.
1116L	¾ H.P., 1 Phase, 110/220V, 60-Cycle, For Bench and Floor Models.....	60 lbs.
1116C	¾ H.P., 1 Phase, 110/220V, 60-Cycle, For Cabinet Models.....	60 lbs.
1118L	¾ H.P., 3 Phase, 220/440V, 60-Cycle, For Bench and Floor Models.....	60 lbs.
1118C	¾ H.P., 3 Phase, 220/440V, 60-Cycle, For Cabinet Models.....	60 lbs.
1119	1 H.P., 1 Phase, 110/220V, 60-Cycle	80 lbs.
1120	1 H.P., 3 Phase, 220/440V, 60 Cycle	70 lbs.

DRIVE AND FACE PLATES

- No.**
LA-170 Drive Plate, 6" Diam., Threaded for 1½"-8 Spindle, ship. wt., 4 lbs.
LA-1009 Drive Plate, 6" Diam., Threaded for 2¼"-8 Spindle, ship. wt., 4 lbs.
LA-344 Face Plate, 8" Diam., Threaded for 1½"-8 Spindle, ship. wt., 6 lbs.
LA-1008 Face Plate, 8" Diam., Threaded for 2¼"-8 Spindle, ship. wt., 6 lbs.



MOTOR PULLEYS

Two-step, V-groove
No. LA-349A ½" Bore. For Bench and Floor Model, 10" Lathes, ship. wt., 3 lbs.
No. LA-349B ¾" Bore. For Bench and Floor Model, 10" Lathes, ship. wt., 3 lbs.
No. LA-349C ¾" Bore. For Bench and Floor Model, 10" Lathes, ship. wt., 3 lbs.

- No. LA-1037B** ¾" Bore. For Bench and Floor Model, 11" Lathes and #900 Series Pedestal Cabinet Lathes, ship. wt., 4 lbs.
No. LA-1037C ¾" Bore. For Bench and Floor Model, 11" Lathes and #900 Series Pedestal Cabinet Lathes, ship. wt., 4 lbs.
No. 2130B ¾" Bore. For Pedestal Cabinet Models #1800, #1900 and #2900 Series, ship. wt., 4 lbs.
No. 2130C ¾" Bore. For Pedestal Cabinet Models #1800, #1900 and #2900 Series, ship. wt., 4 lbs.

QUICK CHANGE GEAR ATTACHMENT

Provides 48 threads and feeds in either direction. Screw threads from 8 to 224 per inch. Two-lever adjustment. Changing 24-tooth stud gear for 48-tooth stud gear also furnished, provides additional threads of from 4 to 7 per inch. Longitudinal power feeds from .0044" to .1000" per spindle revolution. Power cross feeds .25 times longitudinal feeds. Complete with a replacement lead screw, parts and installation instructions.

- No. LA-1200** For 10" and 11" Lathes, 24" Centers. Ship. wt., 24 lbs.
No. LA-959 For 10" Lathes, 31" Centers. Ship. wt., 25 lbs.
No. LA-958 For 11" Lathes, 36" Centers. Ship. wt., 26 lbs.

HEAVY DUTY COOLANT PUMP

High Pressure — Gear Type

Light weight, portable. Operates independently of the machine tool. Delivers from 90 gallons per hour to a few drops. 20 lbs. pressure capacity. 1/25 H.P., 115 V., AC 60 Cy. 1 phase Motor. 7½ gallon container has 5" bowl screen strainer. Complete unit includes 4 ft. of ¾" Neoprene hose with flow control pet cock and 12" of flexible feed spout. 5½ ft. of rubber-covered electric cord with plug and motor switch.



No. 525-1 Shipping weight, 38 lbs.



CENTER RESTS

- No. AC-189** 3" Cap. 3-Jaws. For 10" Lathes. Ship. wt., 8 lbs.
No. AC-250 3" Cap. 3-Jaws. For 11" Lathes. Ship. wt., 9 lbs.
No. AC-2189 3" Cap. 3-Jaws. For 12" Lathes. Ship. wt., 11 lbs.

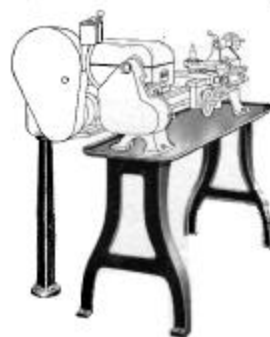
FOLLOWER RESTS

- No. AC-196** 3" Cap. 2-Jaws. For 10" and 11" Lathes. Ship. wt., 5 lbs.
No. AC-2196 3" Cap. 2-Jaws. For 12" Lathes. Ship. wt., 7 lbs.



SETS FOR CONVERSION OF BENCH MODELS TO FLOOR MODELS

Each set includes Pan, Legs and Countershaft support



- No. 415** 1" Deep Chip Pan, for 10" Lathes, 24" Centers. Ship. wt., 118 lbs.
No. 418 1½" Deep Oil Pan, for 10" Lathes, 24" Centers. Ship. wt., 122 lbs.
No. 417 1½" Deep Oil Pan, for 10" Lathes, 31" Centers. Ship. wt., 125 lbs.
No. 1072 1½" Deep Oil Pan, for 11" Lathes, 24" Centers. Ship. wt., 128 lbs.
No. 1078 1½" Deep Oil Pan, for 11" Lathes, 36" Centers. Ship. wt., 130 lbs.

CARRIAGE STOPS



No. AC-234 Micrometer Carriage Stop. Collar graduated in .001". Setting may be locked for duplicate work. For all Logan Lathes. Ship. wt., 3 lbs.



No. AC-226 Double Carriage Stop. Adjustable screws set carriage for two desired positions. Used either side of carriage. For all Logan Lathes. Ship. wt., 3 lbs.



No. AC-225 Carriage Stop. Used either side of carriage. Screw with lock-nut gives accurate adjustment. For all Logan Lathes. Ship. wt., 2 lbs.

LOGAN LATHE ACCESSORIES

TAILSTOCK ASSEMBLIES

LEVER TAILSTOCKS



No. AC-241 For Logan 10" Lathes. Has 2 3/4" lever stroke. Provides lever and hand wheel operation. No. 2 Morse Taper. Ship. wt., 30 lbs.

No. AC-375 For Logan 11" Lathes. 4" lever stroke. Provides lever and hand wheel operation. No. 2 Morse Taper. Ship. wt., 34 lbs.

STANDARD TAILSTOCKS

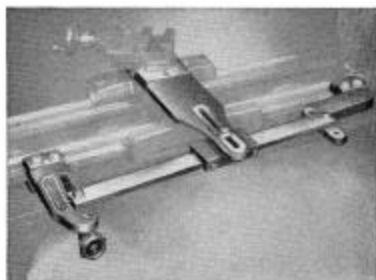
No. LA-3-1 Same as Furnished on 10" Screw Cutting Lathes. Ship. wt., 24 lbs.

No. LA-1065 Same as Furnished on 11" Screw Cutting Lathes. Ship. wt., 29 lbs.

No. LA-2065 Same as Furnished on 12" Screw Cutting Lathes. Ship. wt., 32 lbs.

TAPER ATTACHMENTS

Exclusive "Micro-Screw" feature gives quick, positive adjustments of slide bar to desired taper. Easily installed, with taper attachment cross slide becoming a permanent part of the lathe. Quickly detached.



No. AC-255 For 10" Lathes, Serial Number 50842 and Under. Ship. wt., 18 lbs.

No. AC-298 For 10" Lathes, Serial Number 50843 and Over. Ship. wt., 18 lbs.

No. AC-295 For 11" Lathes. Ship. wt., 20 lbs.

No. AC-2295 For 12" Lathes. Ship. wt., 22 lbs.

TOOL HOLDERS



No. 552 Straight Turning Tool Holder, 3/8" x 3/4" Tool Holder Shank. Ship. wt., 1 lb.

No. 551 R.H. Turning Tool Holder, 3/8" x 3/4" Tool Holder Shank. Ship. wt., 1 lb.

No. 550 L.H. Turning Tool Holder, 3/8" x 3/4" Tool Holder Shank. Ship. wt., 1 lb.

No. 556 Boring Tool Holder, 3/8" x 3/4" Tool Holder Shank. Ship. wt., 1 lb.

No. 557 Straight Cut-off Tool Holder, 3/8" x 3/4" Tool Holder Shank. Ship. wt., 1 lb.

No. 554 R.H. Cut-off Tool Holder, 3/8" x 3/4" Tool Holder Shank. Ship. wt., 1 lb.

No. 564 Extra Cut-off Blade, for #557 and #554 Cut-off Tool Holders. Ship. wt., 1/4 lb.

No. 555 Knurling Tool Holder, 3/8" x 3/4" Tool Holder Shank. Ship. wt., 1 lb.

No. 565 Extra Diamond Knurls, for #555 Tool Holder. Specify Fine, Medium or Coarse. Ship. wt., 1/4 lb.

No. 553 Threading Tool Holder, 3/8" x 3/4" Tool Holder Shank. Ship. wt., 1/4 lb.

No. 563 Extra Threading Cutter, for #553 Tool Holder. Ship. wt., 1 lb.

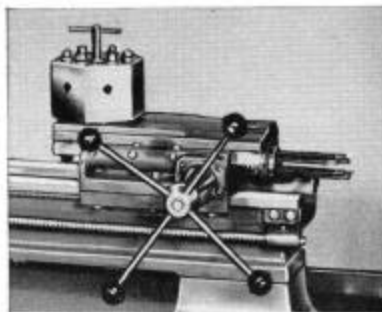
No. 549 Tool Holder Set. One Each #550, #551, #552, #553, #554, #555, #556, #557 Tool Holders in Steel Box. Ship. wt., 7 lbs.

No. 521 TAILSTOCK TURRET



Finger tip control rotates 6 tools in direct line with spindle. 2 1/2" diameter. 3/8" turret holes. No. 2 Morse Taper. Shipping wt., 4 lbs.

HEXAGONAL TURRET ASSEMBLIES



Six-Position — Self-Indexing Pilot Wheel or Lever Operated

Fit bedways of Logan Screw Cutting Lathes. Interchangeable with the tailstock, and used with a Double Tool Post Cross Slide to replace the compound rest, they convert such a lathe into a turret lathe. Extra heavy construction assures maximum smoothness and accuracy. Turret lock furnished on pilot wheel models provides increased rigidity for heavy cuts. 5 1/4" across turret head flats — 4 1/4" maximum stroke of turret — 23" maximum distance, end of spindle to turret face — adjustable gibbs on side — furnished unbored.

No. LA-66 Pilot Wheel Type. Shipping wt., 100 lbs.

No. LA-65 Lever Type. Shipping wt., 97 lbs.

TURRET TOOL POSTS

Quickly set up on the T-slot of a compound rest. Mount four tools up to 3/8". 12 stations available, with three working positions for each tool. On jobs requiring less than four tools, duplicate tools may be set up for uninterrupted production. 2 1/2" square tool block indexes at 30° intervals, providing a quick set-up for threading.



No. 512 Square. For 10" Screw Cutting Lathes, Serial Number 50843 and Over. For all 11" and 12" Lathes. Shipping wt., 3 lbs.

No. 513 Square. For 10" Screw Cutting Lathes, Serial Number 50842 and Under. Shipping wt., 3 lbs.

No. 514 Square. For All 10", 11" and 12" Turret Lathes. Shipping wt., 4 lbs.

MICA ARMATURE UNDERCUTTERS



Mounts on back of the cross slide, leaving the tool post free to hold the trueing tool. Lifting the lever swings the entire upper part of the assembly out of the way to permit trueing the armature without removing the undercutter. The high speed saw is rigidly held to assure clean, even, parallel cuts and is adjustable for depth of cut desired. Length of saw stroke is 2 inches. Furnished complete with two saws, one .015" thick, the other .020" thick.

No. 487 For 10" Lathes, Serial Number 50842 and Under. Ship. wt., 8 lbs.

No. 487-1 For 10" Lathes, Serial Number 50843 and Over. For All 11" Lathes. Ship. wt., 8 lbs.

No. 488 Packet of 6 Blades .015". For #487 and #487-1 Mica Undercutter. Ship. wt., 1/4 lb.

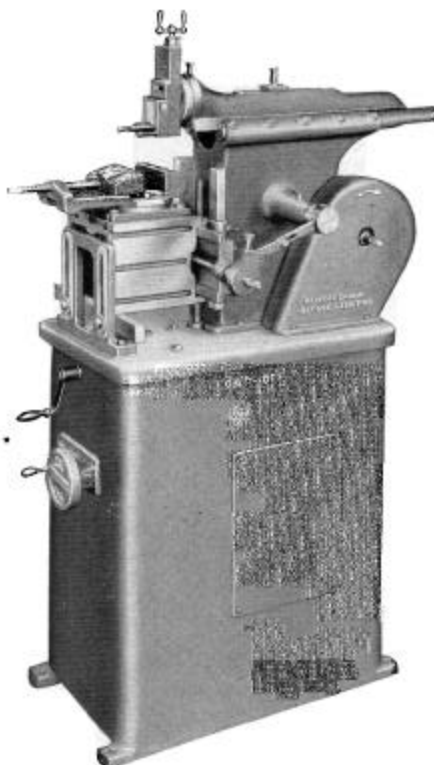
No. 489 Packet of 6 Blades .020". For #487 and #487-1 Mica Undercutter. Ship. wt., 1/4 lb.

Logan 8" SHAPER

Combines capacity, precision and versatility. Powerful 8½" maximum stroke permits full and accurate machining of work 8" long. Handles straight cuts, angular cuts, squaring, machining and slotting. Six automatic feeds in either direction, from .002" to .012" are set by a feed dial graduated to .001". A half turn of the feed handle in either direction reverses the feed. Any speed from 35 to 180 strokes per minute is quickly obtainable. Speed changes are effected instantly, without stopping the motor or shift belt, by turning the hand wheel control.

Table, 8" wide by 8" long, has a vertical travel of 5½" and a 10½" traverse. The adjustable table support mounted on the base of the machine, provides solid reinforcement.

Because the tool head may be swiveled 360°, squaring the ends of stock of almost any length is possible on the Logan Shaper. The stock is laid horizontally and the head turned to present the tool in proper position. Tool head vertical travel is 2¾".



SPECIFICATIONS

Length of ram, 19" . . . width of ram, 5-3/16" . . . width of ram ways, 5-3/16" . . . Cross-rail ways, ¾" x ¾" x 5¼" . . . length of stroke, 8½" . . . length of ram bearings, 19" . . . bearing surface of ram, 51 sq. in. . . vertical travel of tool head, 2¾" . . . size of tool holder, 7/16" x 7/8" . . . tool head swivel, 360° . . . tool head diameter, 4" . . . length of cross rail, 13¾" . . . horizontal travel of table, 10½" . . . vertical travel of table, 5½" . . . distance, top of table to ram (maximum), 8" . . . working surface of table, 8" x 8" . . . slots in table (3 on top and 3 on side), 7/16" . . . table depth, 7½" . . . saddle bearing, 5¼" . . . feeds, .002, .004, .006, .008, .010, and .012" . . . speeds, "Anyspeed," 35 to 180 strokes per minute . . . size of motor, ½ h.p. or ¾ h.p. . . . cutting speeds, up to 120 feet per minute . . . vise, swivel 300°, 5¼" opening, 5" width . . . weight with motor, 700 lbs. . . overall dimensions, 15" wide, 35" deep, 51" high.

LOGAN 8-INCH SHAPERS

- No. E58-S½ With ½ H.P., 1 Phase, 110/220V, 60-Cycle Motor. Shipping weight, 690 lbs.
- No. E58-T½ With ½ H.P., 3 Phase, 220/440V, 60-Cycle Motor. Shipping weight, 690 lbs.
- No. E58-S¾ With ¾ H.P., 1 Phase, 110/220V, 60-Cycle Motor. Shipping weight, 700 lbs.
- No. E58-T¾ With ¾ H.P., 3 Phase, 220/440V, 60-Cycle Motor. Shipping weight, 700 lbs.
- No. E58 Shaper, Less Motor. Shipping weight, 640 lbs.

SHAPER ACCESSORIES

BLANK CUTTER BITS

No. 560 Set of 6. Unground, measure ¼ x ¼ x 2". Heat treated high speed steel. Shipping wt., 1 lb.

"T" HEAD BOLTS

No.	Size	Ship. Wt.
538A	1"	½ lb.
538B	2¼"	¾ lb.
538C	3¼"	1 lb.

INDEX CENTERS



No. 535 5 inches between centers. 3-inch swing. Index plate with divisions between 22-30. Shipping wt., 16 lbs.



ANGLE PLATE

No. 537 For clamping irregular work to table. Ship. wt., 7 lbs.

ROTARY TABLE

No. 536 4" with 7" diameter work surface. Shipping wt., 23 lbs.



KEYWAY TOOL HOLDER S

No. 539A 7/16" for Cutting Keyways and Slotting on Inside Work. Ship. wt., 1 lb.

No. 539B ¾" for Cutting Keyways and Slotting on Inside Work. Ship. wt., 1 lb.

SHAPER TOOL HOLDER

No. 540 Standard Tool Holder. Ship. wt., 1 lb.



SHAPER EXTENSION TOOL HOLDER

No. 541 For Inside Work. Ship. wt., 1½ lbs.



LOGAN ENGINEERING CO.

Lawrence and Lamon Avenues

Chicago 30, Illinois