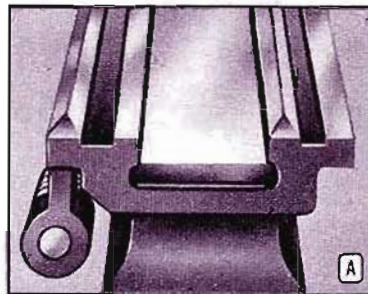
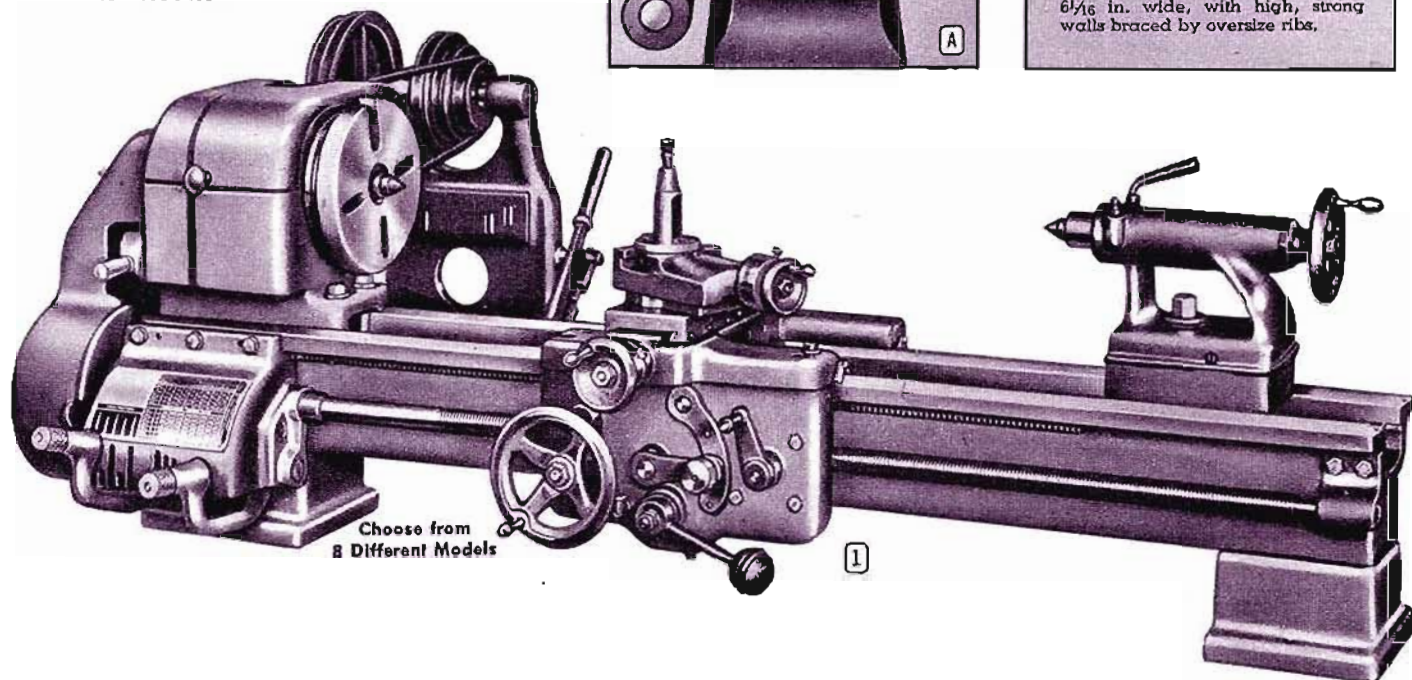


Low as
\$270⁰⁰
 '27 Down
 '17 Month



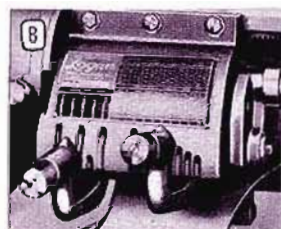
Two V-ways and two flat ways, (A) at left, are precision ground to within .0005 inch of parallelism within working surface for greater accuracy. Withstands heaviest bending and torsional stresses. Balanced sections of even thickness neutralize internal stresses. Special alloy construction and thorough seasoning make the Logan bed warp-free. 6 1/16 in. wide, with high, strong walls braced by oversize ribs.



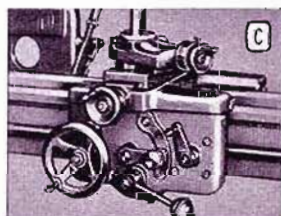
Choose from
 8 Different Models

Nationally-Known Logan 9-Inch Metal Lathes

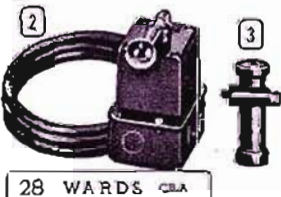
BALL BEARING PRODUCTION MODELS—GUARANTEED ACCURATE TO WITHIN .001 INCH



Quick Change Gear Box. Converts plain change gear lathe to instant changing gear operation. 48 threads. Feeds either direction.



Automatic Oil-Type Apron operates from spline in lead screw through worm drive and friction clutch. Has automatic lock.



28 WARDS

- Choice of 17 in. or 28 in. between centers
- Grease-sealed ball bearing headstock spindle
- Bronze bearings at all other points of wear

Back Geared Screw Cutting Lathes. Fine quality production tools especially designed for high-speed operation and sustained accuracy. Widely used by master mechanics, garages, trade schools, etc. Use on iron, steel, wood and plastics—for turning, milling, drilling, grinding, boring, cutting threads, winding coils and springs, etc. Precision-built by Logan Engineering Co. to assure long dependable service at low operation cost.

CAPACITY: 17 or 28 inches between centers. Swing over bed and saddle wings 9 1/4 in.; swing over cross slide 5 in. Length of bed 33 or 44 in. Width of bed across ways 6 1/16 in. Total spindle runout 12 in. from front bearings is less than .001 in. Reversible power longitudinal feed. 48 thread selections 4 to 224 per inch right or left-hand.

HEADSTOCK: Tempered, precision-ground steel spindle rides on grease-sealed pre-loaded ball bearings for smooth, vibration-free and accurate performance. Requires no further lubrication, adjustment. Spindle nose diam. 1 1/2 in.—8 right-hand threads per in. No. 2 Morse Taper with Adapter to No. 2 Morse Taper. Hole through spindle 7/32 in. Fully enclosed back gears have bronze bearing shaft.

- Total spindle run-out is less than .001 inch
- 12 spindle speeds ranging from 55 to 1450 RPM
- 1/2-in. collet capacity—3/4-in. spindle hole

TAILSTOCK, CARRIAGE AND CROSS SLIDE. Tailstock spindle travels 2 3/8 in., grad. in 1/16ths—takes No. 2 Morse Taper accessories. Tailstock top sets over 1/2 in. for taper turning. Cross slide graduated in thousandths—travels 5 1/2 in. Cross feed screw mounted on self-lubricating bronze bearings. Compound rest swivel graduated 90° in both directions. Tool post opening for tool holder shank 3/4 x 1/4 in. Use with cutter bits up to 1/4-inch square.

DRIVE: Countershaft assembly has self-lubricating bronze bearing. 3-step "V" belt cone pulley. Motor (not included) mounts on countershaft bracket. 30x3 1/2-in. "V" belt from motor pulley to countershaft; 44x3 1/2-in. "V" belt from countershaft to headstock.

LATHE INCLUDES FOLLOWING ACCESSORIES: 5-in. face plate, No. 3 to No. 2 Morse Taper Adapter, two 60° centers, tool post and wrench, 2-step motor pulley (State 1/2 or 3/4-in. bore), tailstock wrench, parts list, instructions.

Recommended for use with 1/4 HP 1725 RPM single shaft motor listed below. Accessories (2) (3) below fit this lathe only; other accessories on Pages 30, 31. Shipped promptly from Factory in Chicago, Ill.

17 In. Between Centers Lathes

Overall dimensions: 39x28x15 in. Length of bed 33 in.
Plain Change Gears, Plain Apron Lathe. Ship. wt. 265 lbs.
 84 WC 2129 F—\$27.00 Down, \$17 Month... Cash \$270.00
Plain Change Gears, Automatic Apron Lathe. Wt. 275 lbs.
 84 WC 2125 F—\$35 Down, \$16 Month... or Cash \$348.00
Quick Change Gears, Plain Apron Lathe. Wt. 275 lbs.
 84 WC 2126 F—\$35.50 Down, \$16.50 Month... Cash \$355.00
Quick Change Gears, Automatic Apron Lathe. Wt. 285 lbs.
 84 WC 2127 F—\$43.50 Down, \$20 Month... or Cash \$432.50
 83 WC 4567 MB—1/4-HP Capacitor Motor for Above. See Page

28 In. Between Centers Lathes

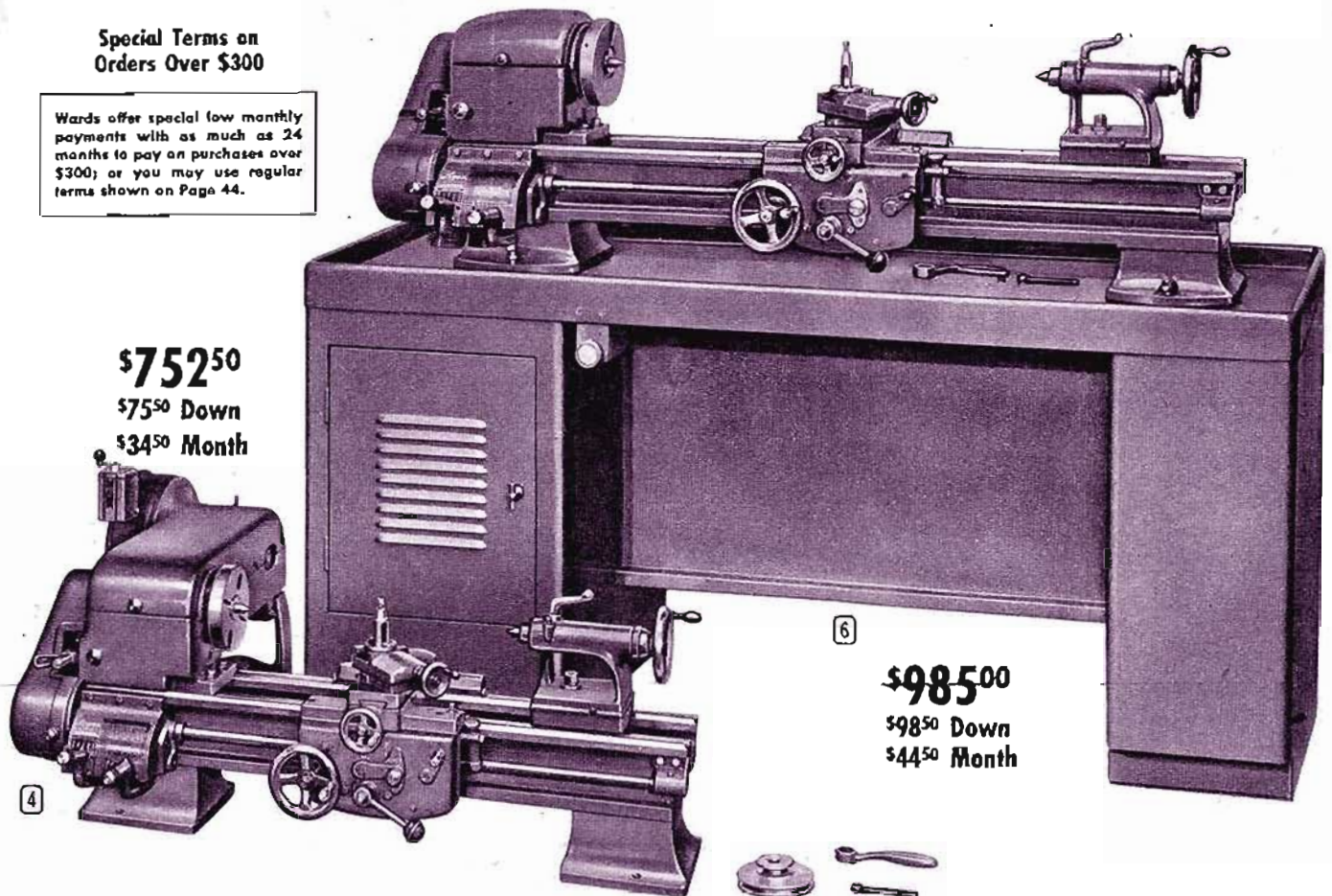
Overall dimensions: 50x28x15 1/2 in. Length of bed 44 in.
Plain Change Gears, Plain Apron Lathe. Ship. wt. 290 lbs.
 84 WC 2241 F—\$31.00 Down, \$14.50 Month... Cash \$307.50
Plain Change Gears, Automatic Apron Lathe. Wt. 300 lbs.
 84 WC 2242 F—\$38.50 Down, \$17.50 Month... Cash \$385.00
Quick Change Gears, Plain Apron Lathe. Ship. wt. 300 lbs.
 84 WC 2243 F—\$39.50 Down, \$18.00 Month... Cash \$392.50
Quick Change Gears, Automatic Apron Lathe. Wt. 310 lbs.
 84 WC 2244 F—\$47.00 Down, \$21.50 Month... Cash \$469.50
 12 for description. Ship. wt. 24 lbs. \$2.50 Down... Cash 21.50

Drum Reversing Switch. Reverses spindle direction by reversing motor. Capacity up to 1 HP, 550-v., AC. With switch box, cord, UL Appr. Ship. wt. 3 lbs. 8 oz.
 84 WC 2216 K—Mailed from Factory in Chicago, Ill. \$11.50

Threading Dial. Indicates point to engage half-nut lever when cutting threads, so tool will enter same groove for each cut. Ship. wt. 1 lb. 8 oz.
 84 WC 2215 K—Mailed from Factory in Chicago, Ill. \$5.25

**Special Terms on
Orders Over \$300**

Wards offer special low monthly payments with as much as 24 months to pay on purchases over \$300; or you may use regular terms shown on Page 44.



\$752⁵⁰

\$75⁵⁰ Down

\$34⁵⁰ Month

\$985⁰⁰

\$98⁵⁰ Down

\$44⁵⁰ Month

Logan 11-in. Quick Change Gear Production Lathes

24 AND 36 IN. BETWEEN CENTERS—GUARANTEED ACCURATE TO WITHIN .001 INCH

- Endorsed by leading shop men in all parts of the world for accuracy, power, rugged strength and efficiency
- Automatic oil type apron, carriage with automatic power cross and longitudinal feeds; 48 thread selections
- Sealed, pre-loaded ball bearing headstock and spindle mounting, self-oiling bronze bearings elsewhere

For industry, metal and school shops, etc. Spindle mounting requires no adjustment—16 speeds on floor and bench models from 50 to 1430 RPM. Automatic oil-type apron operates from spline in lead screw through worm drive and friction clutch; half-nut drive from lead screw thread for thread cutting. Precision ground "V" and flat way bed. Quick change gears are engaged and disengaged easily.

CAPACITY. Swing over bed 11 in.; over slide, 6 1/8 in. Bed 6 1/8 in. wide. Bull gear and back gears 3/4 in. wide. Gears for 48 thread selections from 4 to 224 per in.—right, left.

HEADSTOCK. Spindle nose diam. 2 1/4 in.—8 right-hand threads per in. Spindle adapter for reducing spindle nose taper to No. 2 Morse taper. Hole through spindle 1 3/8 in. Max. collet cap. 1 in. with No. 84WC2194K collets on Page 30.

TAILSTOCK, CARRIAGE AND COMPOUND REST. Tailstock spindle travels 4 in.; graduated in 16ths, No. 2 Morse taper. 1 1/8 in. set-over for taper turning. Cross slide travels 6 1/4 in., compound rest travels 2 1/4 in., swivels 90° either way—both graduated in 1000ths. Tool post opening 3/4 x 3/4 in.

COUNTERSHAFT is mounted on sealed ball bearings.

ACCESSORIES INCLUDE: 6-in. face plate; two 60° centers; threading dial and chart; drum reversing switch; spindle nose adapter to No. 2 Morse taper; tool post holder; 2 wrenches; "V" belts and 2-step motor pulley (state 1/2, 5/8 or 3/4-in. bore); parts list and instructions. Motor not included. Order 3/4-HP single-phase motor 83WC4581MO on Page 12. See 3-phase motor below. Lathes shipped promptly from Chicago Factory; pay Freight from there.

Bench, Floor Models \$752⁵⁰ to \$860⁰⁰

4 BENCH MODELS. Precision engineered features described above. Maximum collet capacity 1 in. with No. 84 WC 2194K listed on Page 30. Height 21 in. Without motor, chip pan or legs.

24 In. Between Centers Lathe. 43 1/8-in. bed. Length 54 in.
84 WC 2222 F—Ship. wt. 505 lbs. \$75.50 Down.....Cash \$782.50

36 In. Between Centers Lathe. 55 1/8-in. bed. Length 66 in.
84 WC 2220 F—Ship. wt. 550 lbs. \$80.00 Down.....Cash \$797.50

5 FLOOR MODELS. Ht. 48 1/2 in.
With heavy-gauge steel chip pan and cast-iron legs.

24 In. Between Centers Lathe. 43 1/8-in. bed. Wt. 615 lbs.
84 WC 2223 F.....Cash \$815.00

36 In. Between Centers Lathe. 55 1/8-in. bed. 66 in. long. Wt. 665 lbs.
Only \$86 Down on Terms.
84 WC 2221 F.....or Cash \$860.00

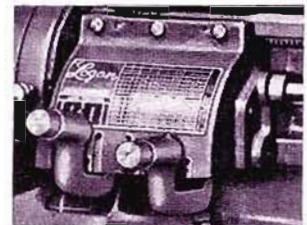
3-Phase Motor. 3/4-HP Ball Bearing. 1725 RPM. 40° C. continuous duty. 5/8 x 1 7/8 in. shaft.
83 WCP 4652 K—220/440-V, 60-cycle AC, 3-phase only. Postpaid from Chicago Fact. \$49.50

Cabinet Models \$985⁰⁰, \$1040⁰⁰

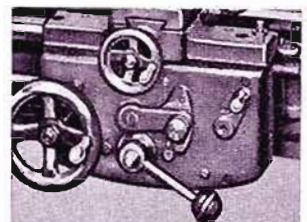
6 Fully Enclosed Models. Have all precision engineered features listed above plus streamlined steel pedestal base which encloses underneath drive. Trim, compact base with no protruding parts, saves valuable floor space, is only 21 in. wide. Gears, pulleys and belts completely enclosed for operator's safety. Switches and controls are conveniently located at operator's fingertips for instantaneous control. 16 spindle speeds 38 to 1230 RPM. Ball bearing drive assembly, enclosed in left compartment, transmits power to lathe spindle. Lever operated belt tension release for changing belt steps. Height overall, 48 3/4 in. Motor not included, see above. Credit Terms are on Page 44. Shipping weights: 810 and 870 lbs.

24 In. Between Centers Lathe. 43 1/8-in. bed.
84WC2224F—59 in. long. \$98.50 Dn. Cash \$985.00

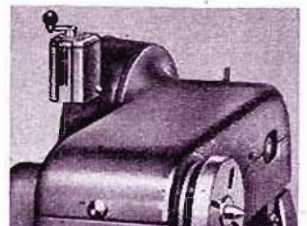
36 In. Between Centers Lathe. 55 1/8-in. bed.
84WC2225F—70 1/2 in. long. \$104 Dn. Cash \$1040.00



Quick Change Gear Box



Automatic Oil-Type Apron



Enclosed Countershaft

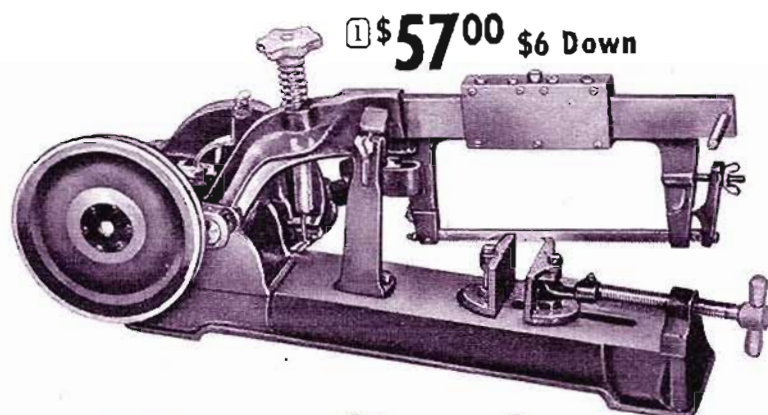


\$815⁰⁰

\$815⁰⁰ Dn.

\$4500 Mo.

Fast Cutting Power Hack Saw—90 to 100 Strokes Per Min.



- Saves time and labor . . . cuts while you work on other jobs
- Automatic relieving mechanism controls pressure on forward stroke
- For materials up to 4 x 4 in.—vise swivels for 0 to 45° angles

1 Power-Kraft Belt-Driven Model. Built for production work—ideal for plumbers, electricians, garages, small metal shops. Does job far more accurately, more efficiently than hand work; also runs unattended. Cam is integral with machine-cut gear—insures pressure relief on back stroke, thus increasing blade life and efficiency. Bronze bearings; castings of close-grained gray iron. Cast-iron vise—jaws 4 in. wide, 2 in. deep—open to 4 in. Length of stroke 4½ in. Size 8¼ in. wide, 29 in. long, 13 in. high. Includes: 12x½-in. blade, 8-in. diam. "V" machine pulley. Ship. wt. 80 lbs. Not Mailable.

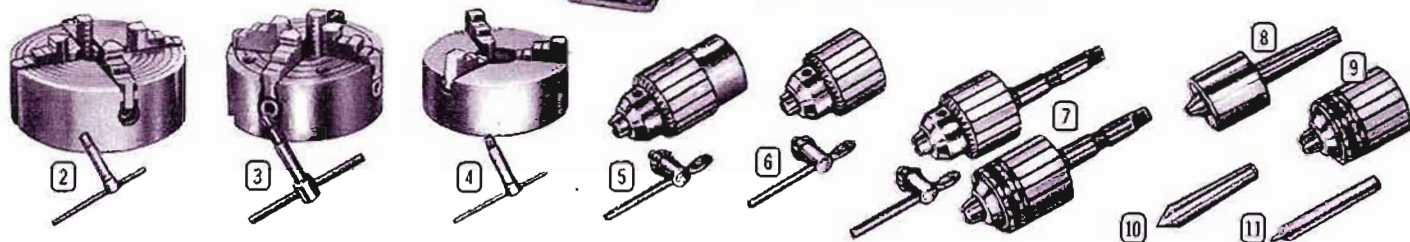
84 WC 2403 R—Only \$6 Down, \$6 Month.....Cash \$57.00

Hack Saw with ½-HP Motor. (See 83 WC 4503MB, Pg. 13.) With 2½-inch diam. motor pulley and ½x44-in. "V" belt. Ship. wt. 99 lbs.

84 WC 2401 R—Only \$7 Down, \$7 Month.....Cash \$69.95

Hack Saw Blades. For (1) above. 12 x ½ in. long, 14 teeth per inch.

84 WC 4486—Ship. wt. pair, 5 oz.....Pair \$1.35



Famous Logan Chucks \$3225 to \$8900

2 3 Logan 4-Jaw Independent Chucks. Precision made of finest materials. 6-in. diam. reversible jaws have independent screw adjustments, hold work of any shape from inside or outside. 1-pc. semi-steel body, ground outer edge and face. Heat-treated alloy steel jaws. Acme threaded. With wrench.

(2) FOR LATHES WITH 2¼-IN. 8-THREAD SPINDLE.
84 WC 2228 KB—Wt. 20 lbs. \$5.50 Dn....Cash \$52.50

(3) FOR LATHES WITH 1½-IN. 8-THREAD SPINDLE.
84 WC 2143—Wt. 13 lbs. \$3.59 Down....Cash \$32.25

4 Logan 3-Jaw Universal Chucks. 5-in. diam. Self-centering jaws, adjusted by turning 1 screw. Improved design gives less overhang, less vibration, greater cut-off capacity. Inside, outside jaws. MEDIUM-DUTY MODEL. Ship. wt. 9 lbs. \$5 Down.

84WC2142—Fits 1½-in. 8-thread spindle. Cash \$47.00

HEAVY-DUTY MODELS. Ship. wts. 11, 20 lbs. 10% Down.

84WC2207—Fits 1½-in. 8-thread spindle.....\$53.75

84WC2227 KB—Fits 2¼-in. 8-thread spindle....\$89.00

Nationally Known Jacobs Chucks and Accessories \$920 to \$2650

5 Jacobs Headstock Chucks. Thread directly to any 1½-in. 8-thread spindle. Hollow body allows chucking of long pieces through spindle.

84 WCP 2148 K—Capacity ½ to ¾ in. Ppd.. \$19.00

84 WCP 2149 K—Capacity ¾ to 1 in. Ppd.. 22.75

6 Jacobs Geared Drill Chucks. Strong, precision chucks that fit headstock or tailstock of Power-Kraft and Logan metal lathes when used with arbors (11) at right. With chuck key.

84WCP2146T—Capacity 0 to ½ in. Postpaid. \$9.20

84WCP2147T—Capacity ¾ to 1 in. Pstpd. 13.85

7 Jacobs Commutator Kit. Precision built for extreme accuracy. Designed especially to hold armature shafts rigidly and accurately during reconditioning. Includes ¼ to ¾-in. capacity armature driving and center rest chucks which mount in headstock and tailstock with No. 2 Morse Taper arbors (included). Metal case, chuck key.

84 WCP 2151T—Postpaid. \$3 Down, Cash \$26.50

8 60° Anti-Friction Center. For high speed. Live center turns with work for faster, heavier cuts. Mounted on grease-sealed New Departure ball, Timken roller bearings for smoother operation. No. 2 Morse Taper shank.

84 WC 2200 K—Ship. wt. 2 lbs.....\$27.50

9 Jacobs Center Rest Chuck. Accurate support for centerless work such as armature shafts. 3 adjustable specially treated bronze jaws in which shaft rotates. Use No. 2 Morse Taper arbor (11 below) to mount in lathe tailstock.

84 WCP 2150 K—¼ to ¾-in. capacity. Ppd. \$13.30

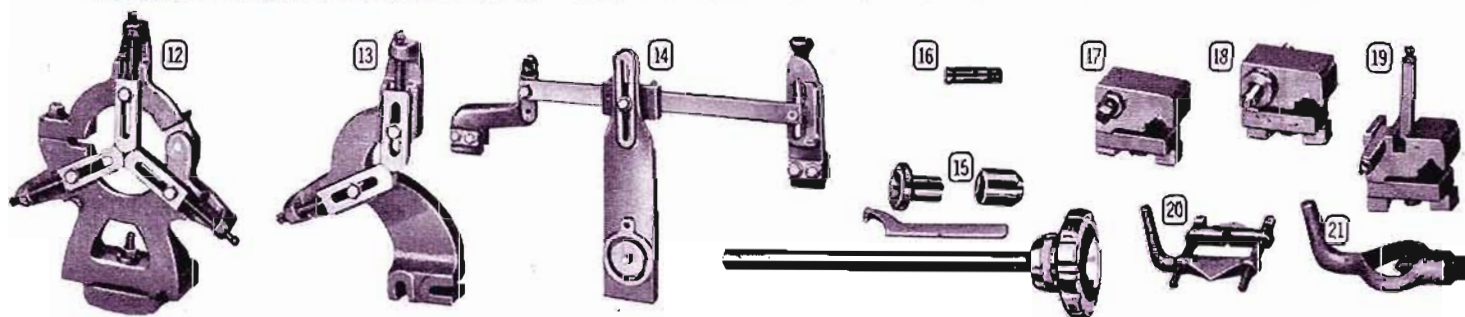
10 60° Center. Precision ground tool steel. No. 2 Morse Taper shank.

84 WC 2201 K—Ship. wt. 8 oz.....\$2.75

11 Jacobs Chuck Arbors. Postpaid.

84 WCP 2152T—Fits 84 WCP 2146T.....\$1.20

84 WCP 2153T—Fits 84 WCP 2147T, 2150K. 1.20



12 Center Rests. Adjustable 3-in. capacity jaws. Cast-iron frame. Wts. 9, 10 lbs.

84 WC 2210 K—Fits 9 in. Logan Lathes. \$10.50

84 WC 2198 K—Fits 11 in. Logan Lathes. 14.95

13 Follower Rests. Adjustable 3-in. capacity jaws. Cast-iron frame. Wts. ea. 4 lbs.

84WC2211K—Fits 9-in. Logan Lathes.....\$6.50

84WC2164T—Fits 11-in. Logan Lathes.... 9.25

14 Taper Attachments. Taper to 4 inches per foot in either direction. Detachable for straight turning.

FOR 9-IN. LOGAN LATHES. Ship. wt. 16 lbs.

84 WC 2230 K—.....\$63.75

FOR 11-IN. LOGAN LATHES. Ship. wt. 18 lbs.

84 WC 2190 KB.....\$73.50

See Page 44 for Convenient Credit Terms.

15 Draw-in-Collet Chucks. Includes: closing sleeve, spindle cap, wrench.

FITS 9-IN. LOGAN LATHE. Use with 84 WC 2162K (16) below. Ship. wt. 4½ lbs.

84 WC 2214 K—½ to 1½-in. capacity \$29.25

FITS 11-IN. LOGAN LATHE. Ship. wt. 7 lbs.

84 WC 2192 K—½ to 1-in. capacity. \$48.50

Draw-in Collets. For Logan 9 in. lathes.

Use with Collet Chuck (15) above. Choice of 31 sizes: ½ to 1 in. by 32nds of an inch. State size wanted.

84 WC 2162 K—Ship. wt. 6 oz...Each \$5.00

Draw-in-Collets for 11-in. Logan Lathes. Use with Collet Chuck (15) above. Choice of 31 sizes: ½ to 1 in. by 32nds.

84WC2194K—State size. Wt. 12 oz. Ea. \$5.95

Cal. No's. ending in "K" or "KB" shipped promptly from Chicago Fac.; Items ending in "T" from Chicago Stock order, pay postage from usual Ward Mail Order House.

17 Carriage Stop. Give position stop for lathe carriage. Clamps over front "V" way. Adjustment screw, lock nut.

84 WC 2197 K—For right or left. Ship. wt. 2 lbs.....\$6.50

18 Micrometer Carriage Stop. Accurately locates carriage position on lathe bed. Ship. wt. 3 lbs.

84 WC 2195 K—Micrometer graduated in .001 in....\$13.75

19 Double Carriage Stop. Adjustable screw at end of each finger sets carriage for 2 desired positions. Use on either side of carriage. Clamps to bed.

84 WC 2196 K—Ship. wt. 3 lbs.....\$10.95

20 Clamp-Type Lathe Dog. For square, hex, rectangular, round work. Mounts without removing work. 1½ in.

84 WC 2182T—Drop-forged steel. Ship. wt. 1¼ lbs....\$4.39

21 Standard Lathe Dogs. Held work firmly—transmit maximum power. Highest quality heavy drop-forged bar steel; square head set screw. State size. Wt. ea. 10 oz.

84 WC 2183T—½ inch.....\$1.08 ¾ inch.....\$1.28

1 inch.....1.59 1½ inch.....1.77

Fashion Your Own Gems—Right in Your Own Home

- Complete new kit with all accessories you need for cutting, grinding and polishing semi-precious stones
- 12-in. diam. spun aluminum rustproof tub; 7-in. diam. diamond tooth saw blade for professional-type results

22 New Gem Making Outfit. It's easy and fascinating to form beautifully polished semi-precious stones for earrings, cuff links, pendants, bracelets, etc. Outfit has all you need to saw, grind, sand, polish and buff stones of all kinds. Collect semi-precious stones (in quarries, beaches, river beds, etc.) or buy uncut stones from lapidary supply house. Instructions included.

Forced lubrication to shaft bearing. Wheels run in horizontal position. Kit includes: assortment of semi-precious stones; 7-in. diamond saw blade; rock clamp; 7-in. cast-iron lap wheel; 6-in. silicon carbide 120 grit grinding wheel; 6-in. convex sanding lap; 6-in. felt polishing lap; 4 oz. each fine and med. silicon carbide grit; 2 oz. polishing compound; 6 dop sticks; dop cement; snap-on lubricant tank; water feed hose and clamp; 1/4-HP 1750 RPM split-phase motor; 3/4x49-in. "V" belt; 2 1/2-in. motor pulley. Shipped promptly from Chicago Stock; order, pay postage from usual Mail Order House. Ship. wt. 37 lbs.

84 WC 2751YBT—Complete Kit. Only \$6.50 Down...Cash \$63.95

Kit Less Motor Belt, and Pulley. Ship. wt. 19 lbs.

84 WC 2750MT—Only \$5 Down, \$5 Per Month....Cash \$49.60



\$49⁵⁰

\$5 Down

Less Motor, Belt, Pulley

New! Pottery Maker with Variable Speed Drive

- For shaping circular and cylindrical pottery pieces . . . adjustable easy-action foot pedal control
- Simple positive acting variable speed drive provides smooth speed range from 38 to 130 RPM (view A)

23 Extremely simple to operate—ideal for ceramic hobbyists and students. Forms bowls, vases, ash trays, etc. Designed for extra range, long life and all 'round versatility. 9-in. cast aluminum throwing head is reversible—one side etched with concentric circles for ease in centering objects. Reverse specially recessed for molding plaster bats. Built-in water container—no reaching, no spilling. Removable drain plug for easy cleaning.

Cast-aluminum base. Babbitt and bronze bearings. 1/4-HP motor, V-belt, motor pulley. Order liquid glaze (see Pottery Supply Kit) and clay separately below. Wts. 41 lbs., 24 lbs. 84WC2756YBT—Pottery Maker with motor. \$7 Dn., Cash \$69.95 84WC2755MBT—Pottery Maker less motor. \$6 Dn., Cash \$7.50

Pottery Supply Kit. Contains 7 assorted colors of liquid glaze in 1-oz. jars; glaze hardener; 2 1/2-oz. of reducer and 3 oz. jar of undercoat; 3-lb. package of pottery clay.

84 WC 2757T—Ship. wt. 7 lbs.....\$6.50

Pottery Clay. No kiln firing is necessary—bake in your kitchen oven to durable hardness at temperatures up to 250°.

84 WC 2758T—12 1/2-lb. package. Ship. wt. 13 lbs.....\$4.25

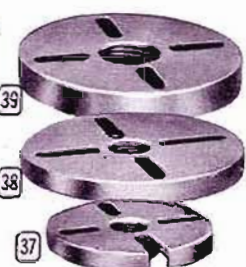
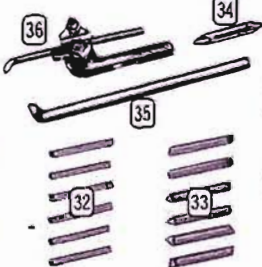
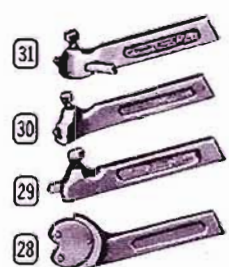
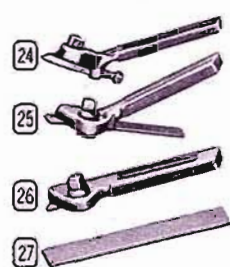
Note: Pottery Maker and accessories shipped promptly from Chicago Stock; order, pay postage from usual Mail Order House.



\$57⁵⁰

\$6 Down

Less Motor



\$24⁷⁵
\$2.50 Down

Accessories to Add Versatility to Your Metal Lathe

24 Threading Tool Holder. Drop-forged steel. Cuts 60° "V" threads. Forged 60° cutter with wrench. Wt. 8 oz. 84 WC 2171T—3/8x3/4-in. shank...\$5.22

25 26 Cut-Off Tool Holders. Drop-forged heat treated, hardened. 3/8x3/4-in. shank. Ship. wt. 9 oz. each. (25) 84WC2173T—RIGHT-HD. HOLDER \$3.09 (26) 84WC2172T—STRAIGHT HOLDER. 3.09

27 Extra Blade. Fits (25) and (26). 84 WC 2174T—Ship. wt. 1 oz. \$1.28

28 Knurling Tool Holder. Tempered tool steel. Medium diamond knurl. 84 WC 2175T—Ship. wt. 10 oz....\$6.20

Diamond Formed Knurls. Wt. pair 2 oz. 84 WC 2176T—FINE KNURL....Pair \$2.11 84 WC 2177T—MEDIUM KNURL.Pair 2.11 84 WC 2178T—COARSE KNURL.Pair 2.11

29 to 31 Drop-Forged Steel Cutter Holders. For 3/4-in. sq. cutter bits. 3/8x3/4-in. shank. Average wt. 9 oz. (29) 84 WC 2170T—STRAIGHT....\$2.61 (30) 84 WC 2169T—LEFT-HAND....2.61 (31) 84 WC 2168T—RIGHT-HAND....2.61

32 Blank Cutter Bits. High speed steel. For holders above. 1/4x1/2 in. 84WC2203T—Wt. 1 lb. Pkg. of 6 for \$1.45

33 Formed Cutter Bit Sets. High speed tool steel. Round nose, right-left turning, right-left facing and threading bit. 1/4x1/2 in. Ship. wt. 1 lb. 84WC2204T—HIGH-SPEED STEEL.6 for \$2.05 84WC2205T—CARBIDE-TIPPED. 6 for 8.53

34 60° Center Drill, Countersink. Carbon tool steel, hardened and ground. Ship. wt. 3 oz. State size. 84 WC 2191T—1/16 in. 50c; 3/32 in. 65c

35 Boring Bars. High speed steel tip, carbon steel shank. Fit (36). 84 WC 2180T—State size. 1/4x4 in. .72c 3/16x4 1/2 in. .94c....1/4x5 in. \$1.21 3/16x6 in. \$1.39....3/8x7 in. 1.89

36 Boring Tool Holder. Reversible yoke. 1/4-in. bar, bit, wrench. 84 WC 2179T—Wt. 1 lb. 4 oz....\$6.20

37 38 Face Plates. Fit 1 1/2-in. 8-thread spindle. Precision machined and balanced. (37) 6-IN. DIAMETER FACE PLATE. 84 WC 2154T—Wt. 3 lbs. 8 oz....\$5.25

(38) 8-IN. DIAMETER FACE PLATE. 84 WC 2155T—Wt. 6 lbs.....\$7.75

39 8-In. Diam. Face Plate. Fits 2 1/4-in. 8-thread spindle. Ship. promptly from Chicago Factory. 84 WC 2199K—Wt. 6 lbs.....\$9.50

Milling Attachment

40 Famous Palmgren Quality. Converts Power-Kraft 10-in. and Logan 10 and 11-in. lathes into small milling machine for face milling cutting keyways and slots, milling dovetails, squaring shafts, making dies, etc. Accurate graduations for rotary angle adjustments, graduated vertical feed screw. Jaws 27/16 in. wide, 1 1/2 in. deep, open to 2 1/2 in. Wt. 13 lbs. Ship. promptly from Chgo. Fact.

84 WC 2245K....Cash \$24.75 Metal lathe access. on this page with "T" ship. from Chicago Stock; order, pay postage from your Mail Order House.