

CRAFTSMAN

IO-INCH BAND SAW FULLY ENCLOSED

EXCLUSIVE SEARS DEVELOPMENT

This sensational band saw has features and operating advantages you'll find in no other band saw in the world—REGARDLESS OF PRICE! Just notice Sears exclusive enclosed design! It gives the saw a beautiful sleek and streamlined appearance—but far more important, it makes it one of the safest band saws ever placed on the market. So fully enclosed that the only visible operating part is a pulley on the back side. Even the blade itself is enclosed by an auxiliary guard that moves up and down with the guide and thrust assembly so that only the actual cutting portion of the blade is exposed. The wheels are completely covered—and if the blade breaks, it's inside the casing where it can't get out.

This enclosed type of construction also means that you get a much bigger and heavier saw. It's built like large production machine tools. The 10-inch wheels are set in a frame almost big enough for a 12-inch machine. Notice the shipping weight below! This heavier construction means MUCH more smoothness and stability in operation.

The 1/4-inch, high quality steel blade is 63 inches long to permit cutting a full 4 1/4-inch depth instead of the usual 4 inches. Cuts to center of a 20-inch circle.

Carefully check and compare its features and specifications. We feel sure you'll agree it's America's finest 10-inch band saw. (Covered by Design Patent No. 108,245.)

SPECIFICATIONS

TABLE: 10x10-inch, top smoothly ground. Soft metal insert protects blade. Supported on large tongue-type protractor trunnion fitted with graduated scale showing angle of cut up to 45 degrees. Can be fitted with rip fence as shown below. Auxiliary wood table, 5x10 inches.

BLADE GUIDES: Each is equipped with self-lubricating bronze guides and ball thrust bearing. One above and one below table. Fully adjustable.

FRAME: One-piece casting is ground on joint face. All other holes and surfaces are machined from this face in one operation to insure extreme accuracy. Scientifically ribbed for utmost rigidity.

DIMENSIONS: Over-all height, 28 3/4 inches; over-all width, 18 1/2 inches; depth, 10 inches.

CRAFTSMAN DeLuxe 10-Inch Band Saw

99 PM 2297—Without motor. Use 1/4-H.P. motor. See Page 43. Shipping weight, 95 pounds. **\$25.90**

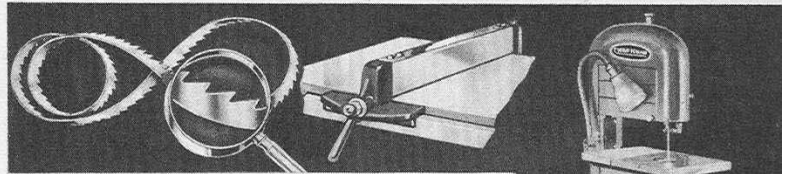
CRAFTSMAN Standard 10-Inch Band Saw

99 PM 2296—Standard model is exactly the same as the DeLuxe model except in place of ball bearings the wheels are mounted on auto-lubricating bronze bearings, and panels on guard are not aluminum finished like the DeLuxe model. Without motor. Use 1/4-H.P. motor. See Page 43. Shipping weight, 95 pounds. **\$19.95**



Features of the CRAFTSMAN DeLuxe Model

- Entire mechanism fully enclosed by heavy gray iron frame and front guard that opens like a door.
- Each wheel runs on two SKF ball bearings, sealed and packed with grease for lifetime service.
- Rubber faced 10 1/4-inch wheels.
- Depth of cut, 4 1/4 inches. Cuts to center of 20-inch circle.
- Table tilts to any angle up to 45° on heavy tongue-and-groove trunnions. Angle of cut shown on scale.
- Upper wheel may be raised for adjustment of blade tension, and may be tilted to make blade track correctly.
- Mechanism for adjustment is fully enclosed; adjustments are easily made from outside of machine.



Band Saw Blades

For CRAFTSMAN 10-inch band saws. High quality saw steel. Widths, 1/8, 1/4 or 3/8 inch; length, 63 inches. State width. Shpg. wt., 6 oz.

9 P 2665..... **79c**

Machine Stand

For your CRAFTSMAN 10-in. band saw. Top, 10x21 in. 29 in. high. Strong and rigid; handy shelf. Shipping weight, 32 pounds

99 P 2743..... **\$4.85**

Tool Light

Clamps on band saw. Throws light on your work—keeps it out of eyes. 15-in. flexible neck, reflector, cord and plug. Shpg. wt., 1 lb. 12 oz.

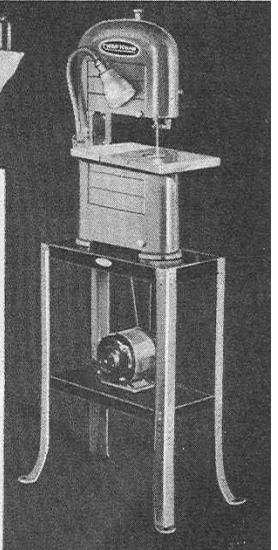
9 P 2264..... **\$1.60**

Rip Fence

Specially designed for use with either of the CRAFTSMAN 10-inch band saws described on this page. Front and rear edges of tables are drilled to receive it. A rip fence is very useful in making straight cuts on thin pieces of wood. Use it with blades at least 3/8-inch wide. Shipping weight, 4 pounds.

9 P 2283..... **\$2.25**

ON ORDERS OF \$20 OR MORE
Easy Terms! SEE INSIDE FRONT COVER



CRAFTSMAN

REG. U. S. PAT. OFF.

12-inch Ball Bearing Band Saw Has Greater Capacity

\$ **29⁹⁵**

Without Motor

- Equipped with precision type SKF ball bearings for long life and smooth, silent operation.
- Handles stock up to 6 inches thick.
- Extra heavy one-piece gray iron frame insures smooth operation and accuracy.
- Oil-impregnated bronze guides increase life of saw blade—prevent hardening.
- Head design maintains constant amount of clearance between wheels and guards.
- Safety type 12-inch rubber-faced wheels, each equipped with two sets finest precision type SKF ball bearings.
- 12½x12-in. well ribbed table—smoothly finished—18x12-in. with wood extension.
- Table tilts up to 45° angle, graduated scale shows exact angle.

SPECIFICATIONS

FRAME: Heavy enough for a saw twice its size! Made in one piece of heavy close-grained gray iron.

BALL BEARING WHEELS: Both upper and lower wheel bearings are precision ball bearing type, two sets in each wheel. Practically noiseless. Dynamically balanced wheels of safety design run perfectly.

BALL BEARING SAW GUIDES: Another feature found only in higher priced saws. Both upper and lower guides have accurately made ball thrust bearings and are fully adjustable. Properly adjusted, the new type oil retaining bronze guides will keep the saw running true and smooth with minimum frictional loss.

TABLE: Ground and polished, of heavy gray iron. Provided with large, rugged cradle upon which table tilts to any desired angle up to 45°. Large easily read scale and pointer tell at a glance the angle to which table is set. Convenient locking handle gives quick control. Table is well ribbed; and two sides are positively lined up by a plate across the slot that is bolted down, eliminating the less efficient retaining screw ordinarily used. Wood extension table at rear increases working surface to 18x12 inches.

DIMENSIONS: Height, over all, 33½ inches. Width, over all, 22 inches. Maximum depth, 12 inches.

Fast Cutting . . . Smooth Running . . . A Big Value!

Here's America's most popular 12-inch band saw—designed for the craftsman who wants a powerful, speedy, smooth-cutting saw at a world-beating price! Cuts through wood up to 6 inches thick with ease and speed. Operates smoothly and silently under the heaviest job. Has that vibrationless perfection that you'll find only in saws of precision manufacture, with high quality ball bearing wheels and an extra heavy frame.

Quieter, more effective guards, mounted so that the upper guard moves up and down with the upper wheel. This keeps proper clearance between the wheel and the guard at all times. Wheels are carefully and individually balanced so as to add to the quiet smoothness with which this saw operates. The upper wheel spindle is carried on a support of new and exclusive design; heavier for greater stability, simpler for easier adjusting to a more positive wheel alignment and blade tension. Oil-impregnated bronze guides lubricate the saw blade in passing, increasing its life and preventing hardening. Feature for feature, price for price, this 12-inch CRAFTSMAN band saw is a real value. Complete with 48-inch belt, ¼-inch wide saw blade, 2½-inch V motor pulley and 72-page book of instructions. Shipping weight, 104 pounds.

99 PM 2304—Without motor \$29.95

99 PM 2314—Same as above but with COMPANION 1/3-H.P. ball bearing double shaft motor, 99 P 5607, for 110-120 volt, 60-cycle A.C. See Page 43. Shipping weight, 135 pounds \$39.45

Easy Terms
ON ORDERS OF \$20 OR MORE
SEE INSIDE FRONT COVER



COMPANION Band Saw Blades

For 99 PM 2304 12-Inch Band Saw. Made of finest quality saw steel, carefully tempered, set and brazed. Tough yet flexible. Built by master saw makers. Shpg. wt., 7 oz.
9 P 2657—Length, 78 inches. Furnished in widths of ¼, 3/8, ½, ¾ or 1 inch. Specify width wanted 89c
9 P 2658—78-in. Metal Cutting Blade for use on non-ferrous metals such as aluminum, copper, etc. Shpg. wt., 4 oz. 89c

Rip Fence

For use on above band saw. Useful in making straight cuts on thin pieces. Use it with blades ½-in. wide.
9 P 2305—Shipping weight, 6 pounds \$2.75

COMPANION Machine Stand

An all-metal stand for your CRAFTSMAN 12-Inch Band Saw. Top measures 10 in. x 21 in.; height, 29 in. Exceptionally strong and rigid. See Page 40 for detailed description.
99 P 2743—Shipping weight, 32 pounds \$4.85

COMPANION Tool Light

Clamp it on your band saw. Throws light on your work—extra large reflector keeps light out of your eyes. With 15-in. flexible neck, reflector, switch, cord and plug.
9 P 2264—Shipping weight, 1 pound 12 ounces \$1.60

CRAFTSMAN

REG. U. S. PAT. OFF.

16-inch Ball Bearing Band Saw Built for Heavy Duty Production

- Precision SKF ball bearings in dustproof housings packed with enough lubricant for years of trouble-free service.
- Handles material up to 12 inches in thickness.
- Large 17x18-inch cast iron table has accurately ground surface, correctly ribbed and provided with groove for miter gauge.
- Table mounted on smooth working trunnions; may be tilted 45° to right and 10° to left.
- Self-lubricating bronze guide blocks in saw guides keep blade from hardening. Both right hand guides have micrometer adjustment for more exact work.
- Head design maintains constant clearance between wheel and guard.
- Rubber-faced machined wheels, carefully balanced. Gray iron spoked design.

\$79⁵⁰
Less Motor and Base

\$122.50 Complete

SPECIFICATIONS

FRAME: One piece, extra heavy fine quality gray iron.

WHEELS: Highest quality gray iron. Rubber facings on wheels ground after assembly for smooth, vibrationless operation. Lower wheel keyed on tapered shaft, prevents loosening.

BALL BEARING SAW GUIDES: Right member of each guide has micrometer adjustment, gives hairline accuracy in cutting. Ball bearing takes the thrust of the saw blade, insuring easy operation and long blade life. Angle of lower right hand guide makes it possible to set guide very close to underside of table.

TABLE: 18x17 in. Smooth finish. Heavily reinforced. Easily read scale shows exact degree of tilt—carries stops at 45° and 90°. 2¼-in. aluminum insert protects blade. Equipped with handy rip fence.

GUARDS: Saw is almost completely enclosed. Practically unbreakable wheel guards are cast of Zamak. Telescoping arrangement makes it possible to lower the guard down to the work when cutting very thin material or to raise guard to get full clearance when working at 12-inch capacity.

BEARINGS: 2 sets dust-sealed SKF ball bearings in each wheel. Packed with lubricant.

DIMENSIONS: Height, over all, without base, 50½ in. Width, over all, 30½ in. Maximum depth, 22 in.

Highest Quality!

Top-notch quality! Built big and husky for professional use—yet it is ideal for the amateur who wants the very best. Cuts with ease through tough wood up to 12 inches thick—so carefully made that it handles small jobs to perfection—has hairline accuracy!

SKF bearings on upper wheel and lower drive shaft give maximum smoothness of operation. . . . New type oil-impregnated bronze saw guide blocks protect your blades; make them last longer. A new type mounting for the upper wheel spindle makes possible more perfect alignment. New system of mounting always maintains the same distance between guard and wheel! The wheel and guard are mounted as a unit and move together. The guards are made of Zamak metal and are the last word in safety design. Operates at 600 R.P.M. Complete with 48-in. belt, 2-in. V motor pulley, ¾-in. saw blade, rip fence, and 72-page book of instructions. Shipping weight, 310 pounds.

99 PM 2301—Less base and motor	.....	\$79.50
99 PM 2318—Heavy gray iron base for 99 PM 2301 band saw. Shipping weight, 125 pounds	.....	\$15.75
99 PM 2316—With base and ½-H.P. 1750 R.P.M. 110-volt, 60-cycle A.C. CRAFTSMAN Ball Bearing Motor, 99 PM 5619. See Page 42. Shipping weight, 503 pounds	.....	\$122.50

COMPANION Band Saw Blades

For 16-inch band saw. Made of very finest quality saw steel, carefully tempered, set, and brazed. We recommend the ¾-inch blade for resawing. Length, 114¾ in. Specify width blade wanted. Shpg. wt., each, 8 oz.

9 P 2659—COMPANION Blade, ½ or ¼ in. wide	.....	\$1.25
9 P 2659—COMPANION Blade, ½ or ¾ in. wide	.....	\$1.35

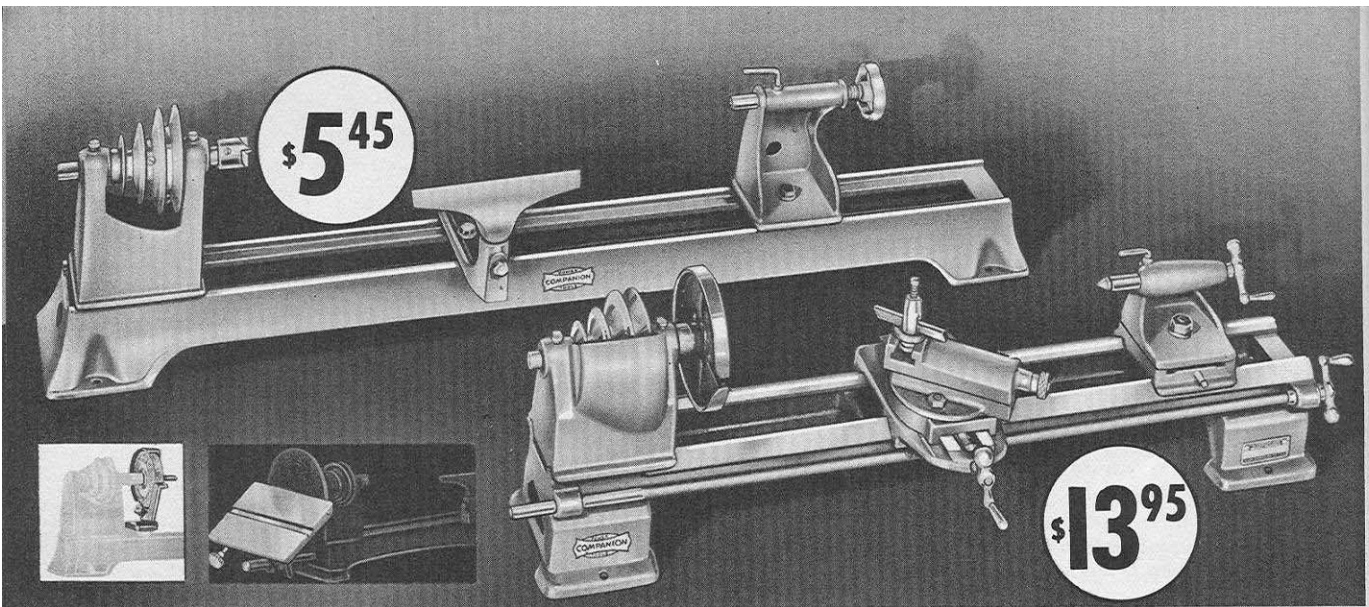
Special Length Band Saw Blades

Finest Swedish saw steel. NOT BRAZED. We braze blades for 40¢ each. Shipped from factory at Chicago, Ill. and you pay postage from there. Order from Sears nearest mail order house. State width and length.

Width, in.	¼	¾	½	¾	1	1¼	1½
Shpg. wt., foot	1 oz.	1 oz.	1 oz.	2 oz.	2 oz.	3 oz.	3 oz.
9 P 2669—Per ft.	9c	12c	14c	15c	17c	20c	24c 28c



Easy Terms
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COMPANION 8x34-INCH WOOD TURNING LATHE

- Double bearing headstock, heavily built.
- Two auto-lubricating bronze bearings for long life.
- Spindle equipped with ball thrust bearing.
- Has three speeds—handles a large variety of work.
- Heavy gray iron bed is accurately machined.
- Sturdy and rigid construction; smooth operation.

You'd never expect so fine a lathe at anywhere near this low price! A good combination of handy size coupled with high quality and advanced performance. We could have built it larger—but we preferred to build it BETTER—with a heavier $\frac{5}{8}$ -inch finely machined spindle, auto-lubricating bronze bearings, and better cup and spur centers. All parts are carefully fitted to keep the lathe running with smooth efficiency for many years.

This compact lathe will handle work up to 25 inches between centers and up to 8 inches in diameter. The headstock is designed like those on the large factory type production lathes. It's stronger, sturdier, and smoother running. Tailstock is of equally advanced design. Has ball thrust bearing, 6-inch tool rest and all fittings as illustrated. Use $\frac{1}{4}$ or $\frac{1}{2}$ -H.P. motor (see Pages 42 and 43). Shipping weight, 22 pounds.



99 P 2013—COMPANION Wood Turning Lathe. \$5.45

Lathe Grinding Attachment

Shown in left inset above. Fits spindle and bed on 99 P 2013 lathe. Use it for all kinds of grinding work. Includes guard, tool rest, arbor to fit on spindle, 4x $\frac{3}{4}$ -inch grinding wheel, clamps, etc.

9 P 2011—Shpg. wt., 1 lb. 10 oz. \$1.35

Lathe Sanding Attachment

Shown in right inset above. Do accurate and thorough sanding on your lathe with this handy attachment. Consists of tilting table and clamps for use on lathe above. Use with sanding disc 9 P 2158 below.

9 P 2214—Shpg. wt., 6 lbs. 8 oz. \$2.75

COMPANION 6x28-INCH METAL TURNING LATHE

- V-way lathe bed . . . 6-inch swing . . . 28-inch bed.
- Double bearing headstock has highest quality bronze bearings. Front bearing fully adjustable.
- Removable No. 0 Morse taper centers in head and tailstock.
- Compound rest fitted with adjustable gibs and lock.
- Full length feed screw insures smooth finish on long pieces.

Has many features of higher priced lathes! A fine tool for the model maker or the man who wants to do light metal work. While not as accurate as the large metal working lathes, its many adjustments make it possible for the operator to secure much more accurate work than has ever been possible with this type of lathe.

Spindle is threaded $\frac{1}{2}$ x24 threads per inch. Knockout centers in headstock and tailstock. Lead screw provided for longitudinal feed of carriage. Tailstock may be set over for turning tapers. Cross feed and angular feed are gibbed for take up. Use $\frac{1}{4}$ or $\frac{1}{2}$ -H.P. motor (see Pages 42-43). Shipping weight, 28 pounds.

99 P 2021—COMPANION Model Makers' Lathe. \$13.95

Accessories for Use With the Above Lathe

- 9 P 2788—3-step motor pulley. Specify $\frac{1}{2}$ -inch bore. Shpg. wt., 1 lb. 50c
 - 9 P 2137—3-inch 4-jaw independent chuck. Shipping weight, 3 pounds. \$3.75
 - 9 P 2108—No. 0 Morse taper spur center. Shipping weight, 3 ounces. 49c
 - 9 P 2109—No. 0 Morse taper cup center. Shipping weight, 3 ounces. 49c
- For tool bits see 9 P 2205, Page 21; sanding disc, 9 P 2525, on Page 22.

Jack Shaft for Model Makers' Lathe

Metal turning should be done at much slower speeds than wood turning. Use this handy jack shaft stand to secure proper slow speeds for metal work. Also useful on other tools for changing speeds. Bolt holes are spaced identically with those on motors, permitting it to be used on motor bases of machines, etc. Complete with bronze bushed self-aligning bearings. Shpg. wt., 7 lbs.

9 P 2494—Specify 3-inch 3-step pulley. \$2.65

ACCESSORIES FOR WOOD TURNING LATHES



Face Plates

For number 99 P 2013 or any other lathe with $\frac{5}{8}$ -in. plain spindles. Carefully machined and balanced.

- A 9 P 2080—3-in. Shipping weight, 7 ounces. 85c
- B 9 P 2081—6-in. Shipping weight, 14 ounces. \$1.19

Spur Center

C For number 99 P 2013 or any other lathe with $\frac{5}{8}$ -in. spindles. Removable center. Shipping weight, 6 ounces. 65c

Cup Center

D Carefully made, hardened steel cup center for tailstock of lathe. Replaceable center pin. Fits any $\frac{5}{8}$ -in. spindle. Shipping weight, 6 ounces. 65c

Work Arbor

E Fits $\frac{1}{2}$ or $\frac{3}{8}$ -in. straight spindle. Fastens on $\frac{1}{2}$ -in. spindle with 2 set screws. Threaded $\frac{1}{2}$ -inch x 24-thread for 3-jaw $\frac{1}{2}$ -inch chuck. State $\frac{1}{2}$ or $\frac{3}{8}$ in. spindle. Shpg. wt., 1 lb. 10 oz. 95c

F Carefully made 3-jaw steel chuck with adapter, for lathes or motors with $\frac{1}{2}$ -in. or $\frac{3}{8}$ -in. straight spindles. Arbor is $\frac{1}{2}$ -in. x 24-thread. State $\frac{1}{2}$ or $\frac{3}{8}$ -in. spindle. Shpg. wt., 1 lb. 6 oz. 95c

Work Arbor

G Same as 9 P 2118, above, but without chuck. Has finely faced steel collars to clamp grinding or buffing wheel. State $\frac{1}{2}$ or $\frac{3}{8}$ -in. spindle. Shipping weight, 15 ounces. 45c

3-Jaw Chucks

H These 3-jaw chucks are accurately machined to run true. Nicely finished. Superior to ordinary chucks. Fit $\frac{1}{2}$ -inch 24-thread per inch spindles.

- I 9 P 2130— $\frac{1}{4}$ -inch capacity. Shipping weight, 5 ounces. 29c
- J 9 P 2132— $\frac{1}{2}$ -inch capacity. Shipping weight, 12 ounces. 55c
- K 9 P 2134— $\frac{1}{2}$ -in. capacity. Ground finish. Shipping weight, 1 pound. 75c

4-Jaw Independent Chuck

L 4-inch capacity; reversible jaws. Well made, nicely machined. Fits any lathe with $\frac{1}{2}$ -inch straight spindle. Shipping weight, 3 pounds 12 ounces. \$4.75

Drum Sander

M Accurately made. Complete with sleeve and adapter. Fits $\frac{1}{2}$ -in. x 24 threaded shaft. Shipping weight, 12 ounces. 98c

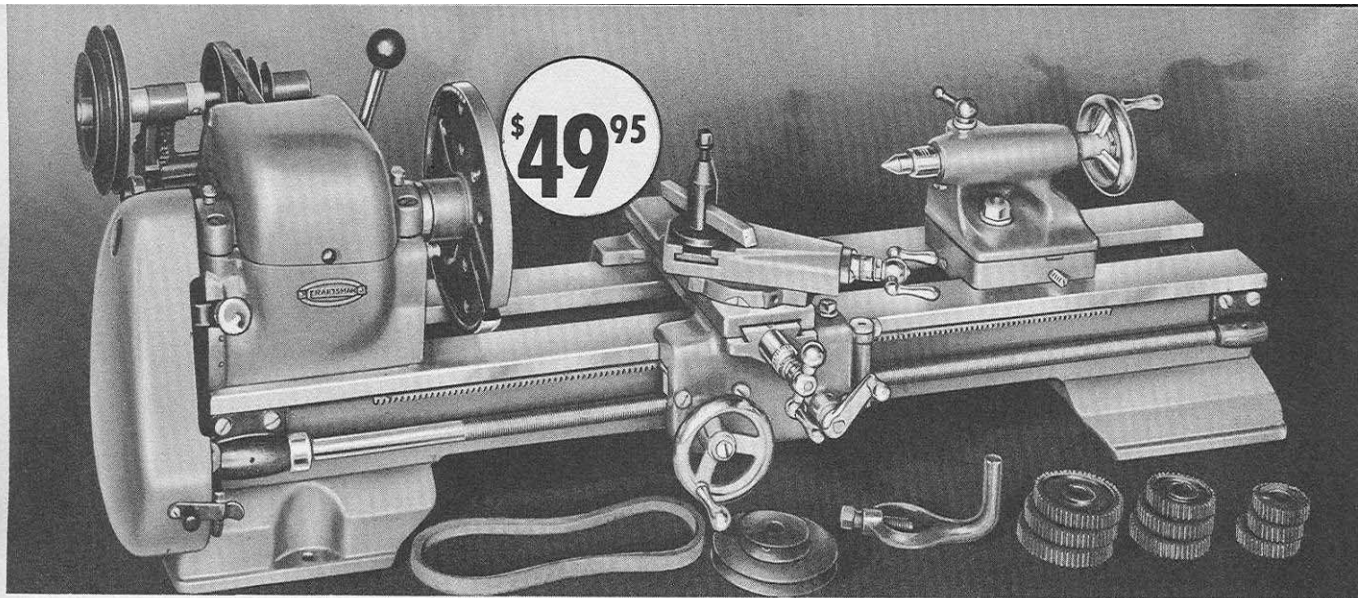
N 9 P 2522—Sanding sleeve for above drum. Fine, medium or coarse. State grit wanted. Shipping weight, 2 ounces. Each. 10c

Sanding Discs

O Carefully machined and balanced aluminum discs fitted with sandpaper. Fit only $\frac{5}{8}$ -in. straight spindle. Shipping wt., 12 oz. \$1.19

9 P 2158—6-inch. Shipping wt., 1 lb. 1.65

9 P 2159—8-inch. Shipping wt., 1 lb. 1.65



CRAFTSMAN

REG. U. S. PAT. OFF.

PRECISION MODEL MAKERS' LATHE BACK GEARED..6-INCH SWING..30-INCH BED

FEATURES

- New, heavier headstock with larger front bearing.
- Back gears provide much wider speed range—16 speeds: 54 to 3225 R.P.M.
- Threading gears and threading dial included.
- New bench type countershaft with quick belt release lever.
- Ground steel spindle runs in adjustable auto-lubricating bronze bearings. Has 1-in. 8-thread nose.
- Ball thrust bearing takes spindle thrust.
- Hinged countershaft and motor bracket built as part of lathe.
- Lead screw reverse controlled by handy lever at left end of headstock.
- Hinged guards for spindle pulley and feed gears give maximum safety—can be opened quickly.
- Carriage has hand wheel for manual operation and feed lever for automatic feeds.
- Tailstock has set-over for taper turning.

One of the most popular metal lathes we've ever sold! And now this new 1939 model has been greatly improved to make it even a finer tool than ever before. It has a completely new headstock—better, heavier, and with a larger front bearing . . . Back gears are included to provide a much wider speed range . . . New bench-type countershaft has quick belt release lever . . . Threading gears and dial are now included at no extra cost. These are all outstanding improvements certain to make this lathe, even more than ever before, the leader in its price range!

While it is smaller in capacity than our larger CRAFTSMAN Screw Cutting Lathes, it actually matches them in accuracy, precision and performance. *Guaranteed accurate to within one-thousandth of an inch.*

The massive, precision-ground semi-steel bed is rigidly cross braced, and mounted on heavy gray iron legs. The lead screw reverse is mounted on the left end of headstock. Compound rest swivels through 360 degrees and is graduated from 0 to 180 degrees by one-degree divisions. Spindle pulley has 60 indexing holes. Compound rest, carriage, etc. are fully gibbed for take-up. Equipment includes graduated compound rest, tool rest, ring and rocker, 3/8-inch tool bit, bench-type countershaft, motor pulley, belts, face plate, dog, two 60-degree lathe centers, threading dial, change gears to cut 8 to 96 threads, 3 wrenches, and instruction folder. Use 1/2-H.P. motor. See Pages 42 and 43. Shpg. wt., 110 lbs.

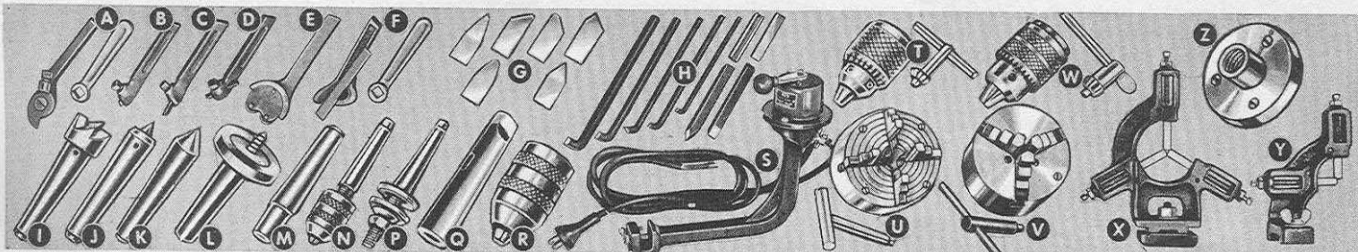
Easy Terms
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99 PM 2048—CRAFTSMAN Model Makers' Lathe. . . . \$49.95

SPECIFICATIONS

Swing over bed: 6 inches.
Maximum distance between centers: 18 inches.
Swing over carriage: 4 1/4 inches.
Length over all: 36 inches.
Height over all: 11 1/2 inches.
Depth over all: (including motor): 24 inches.
Hole through spindle: 1 1/2 inch.
Spindle nose: 1-inch diameter; 8 threads per inch.
Taper in headstock: No. 2 Morse.
Taper in Tailstock: No. 1 Morse.
16 speeds: 54, 82, 122, 140, 187, 287, 317, 365, 481, 550, 820, 940, 1250, 1950, 2125, 3225.
Back gear ratio: 6 1/2 to 1 (approx.)
Lead screw: 1/2-inch; 16 threads.
Feeds: .0026, .0042, .0052, and .0083 per inch.
Thread ranges: 8 to 96 threads per inch right or left hand.
Spindle bearings: Oilless bronze with take-up.
Countershaft and back gear spindle bearings: Oilless bronze.
Tailstock ram: Graduated 0 to 1 1/2 inch.
Cross slide travel: 4 inches.
Compound rest angular travel: 1 3/4 inches.

ACCESSORIES FOR MODEL MAKERS' LATHE ABOVE



- Tool Holders**
Fit 99 PM 2048 lathe above. Those holders using tool bits use 3/16-inch bits.
- A 9 P 2031—Threading Tool. Shipping weight, 14 ounces. **\$2.35**
 - B 9 P 2033—Straight Tool Holder. Shipping weight, 12 ounces. **1.00**
 - C 9 P 2034—Right Hand Tool Holder. Shipping weight, 12 oz. **1.00**
 - D 9 P 2035—Left Hand Tool Holder. Shipping weight, 12 oz. **1.00**
 - E 9 P 2036—Knurling Tool. Shipping weight, 14 ounces. **2.85**
 - F 9 P 2037—Cut-off Tool. Shipping weight, 14 ounces. **1.45**
- Formed Tool Bits**
Set of six 3/16-inch bits to fit above tool holders. Ground to shape. Shipping weight, 5 ounces.
9 P 2043—Set of 6. **\$1.10**
- Tool Post Set**
Set includes four boring bars, turning and threading tools, set of spacers. Shipping weight, 14 ounces.
9 P 2038. **\$4.35**

- Lathe Centers and Arbors**
No. 2 Morse taper shanks. To fit headstock spindle of 99 PM 2048 above.
- ① 9 P 2107—Spur Center. Shipping weight, 7 ounces. **65c**
 - ② 9 P 2101—Cup Center. Shipping weight, 7 ounces. **65c**
 - ③ 9 P 2111—60 Degree Center. Shipping weight, 7 ounces. **65c**
 - ④ 9 P 2115—Screw Center. Shipping weight, 14 ounces. **95c**
 - ⑤ 9 P 2124—Arbor for Jacobs' Chuck. Shipping weight, 7 ounces. **75c**
 - ⑥ 9 P 2125—Arbor and 1/2-in. Chuck. Shipping weight, 1 lb. 8 oz. **\$1.19**
 - ⑦ 9 P 2163—Arbor for grinding, etc. Shipping weight, 13 ounces. **80c**
 - ⑧ 9 P 2161—Adapter Sleeve to change from No. 2 to No. 1 Morse taper arbor. Shipping weight, 5 ounces. **59c**
- No. 1 Morse taper shanks. (Not illustrated.) To fit tailstock spindle of above lathe. Shipping weight, each, 8 ounces.
- 9 P 2123—Tapered Chuck Arbor. **59c**
 - 9 P 2106—Spur Center. **59c**
 - 9 P 2110—60-Degree Center. **59c**
 - 9 P 2100—Cup Center. **59c**
 - 9 P 2165—Grinding Arbor. **70c**

- 3-Jaw Chuck**
Superior to ordinary chucks. Fits 1-in. 1/2-inch 24-thread per inch spindles. 1/2-inch capacity. Shipping weight, 12 ounces.
9 P 2132. **55c**
- Reversing Switch**
To be used on the above lathe. Shipping weight, 5 lbs.
9 P 2039. **\$3.95**
- Jacobs' 1/2-Inch Chuck**
When fitted with arbor 9 P 2123 or 9 P 2124, it may be used either in lathe head or tailstock. Shipping weight, 2 pounds.
9 P 2142—1/16 to 1/2-inch. **\$5.25**
9 P 2143—0 to 1/2-inch. **\$6.45**
- Independent Chuck**
Four reversible jaws move independently. 4 inches in diameter. Fits 1-in. 8-thread spindle on 99PM2048 lathe above. Shipping weight 4 pounds 2 ounces.
9 P 2138. **\$4.95**

- 4-in. Universal Chuck**
3-jaw; self centering. Fits 1-in. 8-thread spindle. Shipping weight, 4 pounds 8 ounces.
9 P 2148. **\$14.75**
- Jacobs' Headstock Chuck**
Capacity, 0 to 1/2 in. Fits 1-inch 8-thread spindle. Shipping weight, 4 pounds.
9 P 2044. **\$8.95**
- Steady Rest**
For accurate work on long pieces. Shpg. wt., 5 lbs. 8 oz.
9 P 2041. **\$3.50**
- Follower Rest**
For long slender work. Shipping weight, 3 lbs. 8 oz.
9 P 2042. **\$2.45**
- Face Plate**
Fit 1-in. 8-thread spindle as on 99 PM 2048 lathe above. Diameter, 3 1/2 in. Shpg. wt., 2 lbs.
9 P 2085. **\$1.29**



CRAFTSMAN

Convertible Lathe for Wood or Metal Turning . . 9-inch Swing . . 44-inch Bed

- Double bearing headstock (a bearing on each side of the spindle pulley) insures best support for spindle. Permits large diameter work to be turned outboard.
- Special auto-lubricating bronze bearings for long life.
- Headstock ball thrust bearing takes the end thrust that comes on the spindle and insures smooth, easy operation.
- Spindle accurately ground to size for perfect alignment.
- Hollow spindle with 3/8-in. hole is ground to take No. 1 Morse taper centers and arbors. Spindle nose diameter, 3/4 in.; 16-thread.
- Use of No. 1 Morse taper centers in both head and tailstock makes it easy to use work arbors, drill chucks, etc.
- Four speeds ranging from 700 R.P.M. to 4000 R.P.M. — when jack shaft is used, 350 R.P.M. to 8600 R.P.M.
- Can be equipped with compound rest, etc., for metal turning.
- Pulley indexed for dividing, and indexing stop is provided.
- Streamlined tailstock equipped with self-ejecting center with No. 1 Morse taper, ram lock, and set-over for taper turning.
- 44-inch heavy gray iron bed, accurately milled and strongly webbed. 30 inches between centers.
- Rugged headstock guarantees accuracy, rigidity and easy belt shifting for the various speeds required.

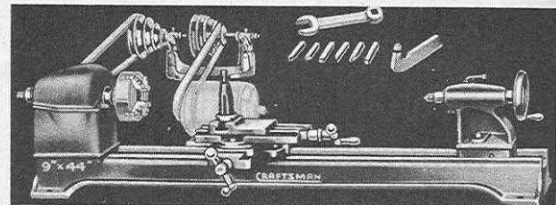
You can't match it for quality—features—workmanship—at anywhere near this price! Big enough for 'most any job—and built heavy enough to do metal turning. You can equip it for metal work through the purchase of a few inexpensive attachments! Its swing is large enough so that it is possible to get away from a gap in the bed which would handicap the metal worker in bringing the compound rest up close to the headstock for various other operations.

Bearings are of the auto-lubricating bronze type, surrounded by oil reservoirs, and will give practically limitless service. Specially fitted and installed, they seal the spindle journals from grit and abrasive dust, and insure longer life and greater accuracy. Longitudinal thrust is absorbed by the ball thrust bearing in the headstock. The tailstock may be set over for turning tapers. It is equipped with self-ejecting center and ram lock. Pulley is mounted between headstock bearings so that the spindle is perfectly supported. This makes it possible to turn large diameter work on the outside end of the spindle. When doing such a job on the CRAFTSMAN lathe the work is very close to the outboard bearing and is supported by that bearing. The big, heavy bed is rigid and well braced. It is carefully machined from close grained gray iron.

The headstock is designed to enable the operator to readily shift the belt to the desired step of the headstock pulley for the proper speed. Pulley is accurately indexed so that work may be accurately divided and flutes may be correctly cut into spindles or columns. Headstock spindle has right hand threads inboard and left hand threads outboard, permitting the double threaded face plate 9 P 2090 to be used on either end of the spindle without the necessity of reversing the motor.

Use 1/3-H.P. motor, 1750 R.P.M. shown on Page 43 and 4-inch 4-step motor pulley 9 P 2792 shown on Page 41. Complete with "V" belt, 8-inch tool rest and No. 1 Morse taper spur and cup centers. Shipping weight, 60 pounds.

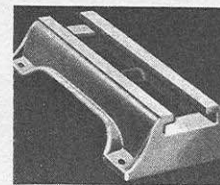
99 PM 2019 \$14.50



Complete Metal Working Outfit

This fine metal working outfit incorporates an exceptionally fine quality compound rest graduated to one-thousandth of an inch, angular dial from zero to 180 degrees, longitudinal feed of 6 in. and a transverse feed of 5 3/8 in. The outfit includes our CRAFTSMAN 9-in. lathe, compound rest, production type tool post, tool holder, six tool bits, wrenches, multiple speed jack shaft, 4-in. 4-jaw chuck, belt, pulleys, and 60-degree center. Motor not included.

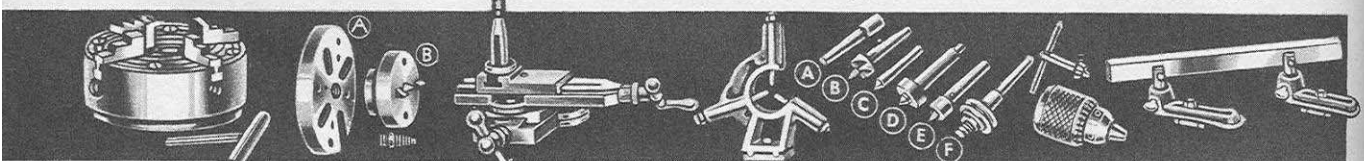
99 PM 2020—Shipping weight, 93 pounds..... \$37.50



Lathe Bed Extension

A handy accessory that allows you to turn out work of any desired length on your lathe. 15 inches long. Sturdy—well machined. Made of the same high quality heavy gray iron as bed of 99 PM 2019 lathe. Shipping weight, 11 lbs.

9 P 2017..... \$2.35



4-Jaw Independent Chuck

4-inch, 4 reversible jaws. Each jaw moves by itself. Key and back plate for 99 PM 2019 Lathe. Shpg. wt. 4 lbs. 4oz. 9 P 2156... \$4.95
 9 P 2152—3-inch Universal Scroll Chuck. 3 jaws move at once, grip round or hexagonal work. 2 sets of jaws. Back plate fits 99 PM 2019 lathe. Shpg. wt., 3 lbs. 8 oz. \$12.45

High Grade Face Plates

A 9 P 2090 — 5/4-in. wood or metal working face plate, nicely machined and balanced, double threaded for either end of spindle. Shpg. wt., 2 lbs. \$1.35
 B 9 P 2091 — 3-inch face plate with spurs, removable center and screw center. Shpg. wt., 1 lb. 12 oz. \$1.10

Compound Tool Rest

Precision-built throughout! Feed collars graduated to one thousandth of an inch. Angular dial graduated to 180 degrees. Transverse feed, 5 3/8 inches; angular or longitudinal feed, 6 inches. (For tool bits and holders, see Page 21.) Shipping wt., 17 lbs. 9 P 2168... \$13.90

Quality Steady Rest

For supporting extra long work in lathe. Fitted with best quality brass jaws! Very essential when turning long, slender pieces in the lathe. Very well made, sturdy and convenient to use. Shipping weight, 4 pounds. 9 P 2178... \$3.85

Lathe Centers and Arbors

No. 1 Morse taper. Accurately ground. Shpg. wt., ea., 8 oz.
 A 9 P 2123 Tapered chuck arbor... 59c
 B 9 P 2106 Spur center... 59c
 C 9 P 2110 60° grinding arbor... 59c
 D 9 P 2132 1/2-inch chuck for 9 P 2165 grinding arbor... 55c
 E 9 P 2112 60° Ball-bearing center... \$1.95
 F 9 P 2100 Cup center... 59c
 G 9 P 2165 Grinding arbor... 70c
 H 9 P 2143 Capacity, 9 P 2143... \$6.45

1/2-Inch Jacobs' Chuck

Extremely high quality throughout. Cannot be used on threaded spindles. Fits modified No. 2 Morse taper. Use with 9 P 2123 arbor for lathe on this page or 9 P 2124 arbor for lathe on Page 17. Shpg. wt., 2 lbs.
 9 P 2142—Capacity, 1/4 to 1/2 inch... \$5.25
 9 P 2143—Capacity, 9 P 2143... \$6.45

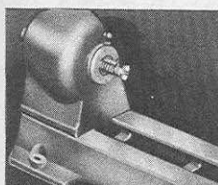
18-Inch Tool Rest

Well made. Built for long service. Well machined and nicely finished. A great convenience when making long turnings such as table legs or lamp spindles. Readily adjusted for height. Complete with bed brackets. Shpg. wt., 7 lbs. 9 P 2173... \$2.19

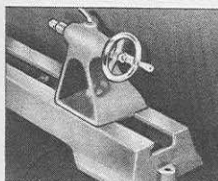
Easy Terms ON ORDERS OF \$20 OR MORE - SEE INSIDE FRONT COVER



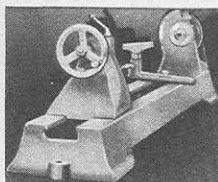
CRAFTSMAN Ball Bearing Lathe.. Convertible for Metal Turning.. 10-In. Swing.. 54-In. Bed



Notice the enclosed design of this heavy headstock.



Sturdy tailstock has graduated steel ram.



Extra-wide ways and broad, stable construction. Designed for maximum rigidity.

- Extra-heavy, gray iron, flat-way bed with ways 1½ in. wide. Alignment of head and tailstock assured.
- Two heavy duty SKF sealed ball bearings in headstock.
- Accurate. . . . Can be used with metal working attachments.
- Capacity over 36 inches between centers; 10-inch swing.
- Finest quality steel spindle and tailstock ram have No. 2 Morse tapers.
- Headstock pulley and belt covered for added protection.
- Great weight results in smooth, vibrationless operation.

Its great weight, sturdy construction and fine workmanship have already earned an important place for this CRAFTSMAN lathe in professional woodworking and pattern shops all over the country. And now we have added a massive, new, flat-way bed to make it even more outstanding. No other lathe near its price approaches it for value!

Check the features and specifications! See for yourself how far superior this lathe is to any you have ever seen in this price range. It's finer in design, construction and materials . . . larger in capacity . . . and MUCH greater in weight. Full 36 in. between centers. 10-in. swing. This extra weight assures smoother and more accurate operation.

This tool can be converted into a very efficient metal turning lathe with the proper attachments. The headstock spindle rotates on the finest SKF ball bearings for smoothest possible operation and longest life. It has a right hand thread inboard and a left hand thread outboard to allow you to do outboard turning of large pieces without reversing motor or lathe drive. Longitudinal thrust is absorbed by ball thrust bearing. Headstock pulley is indexed so work may be evenly divided or fluted. Complete with 4-step motor pulley, V-belt, cup and spur centers and tool rest.

99 PM 2027—Shipping weight, 115 pounds \$26.50

SPECIFICATIONS

Bed: Improved flat-way design produces exceptional sturdiness and rigidity. Extremely heavy ways are fully 1½ inches wide, providing a total bearing surface of 3 inches.

Headstock: Covers pulley and belt for safety. Large size and careful design insure easy belt shifting to obtain correct speeds.

Tailstock: Fitted with accurately ground steel ram and an automatic knock-out device for removing the No. 2 Morse taper centers and arbors easily and quickly. Ram is graduated in ¼-inch divisions. Tailstock hand wheel is chromium plated.

Headstock and Tailstock: Fitted with No. 2 Morse taper sockets for removable centers and arbors.

Maximum Center to Center Distance: Over 36 inches.

Swing: 10 inches.

Over-all Length: 56 inches.

Spindle: Outer end is 1 inch in diameter and has 8 left hand threads per inch, eliminating necessity for reversing motor or drive when turning large pieces on the outboard end of spindle.

Hole Through Headstock Spindle: ¾ inch.

Spindle Nose: 1-in. diameter; 8 threads per inch.

Spindle Bearings: Heavy duty SKF, sealed against dust and abrasive materials.

4 Speeds: 700, 1300, 2300, 4300 R.P.M.

Headstock Pulley: Indexed in 60 divisions.

Power Recommended: ¼-H.P. or ½-H.P., 1750 R.P.M. See Page 43 for complete description and prices of motors.

Equipment: Four-step ½-inch bore motor pulley, cup and spur centers, tool rest, wrench, and finest quality Vee belt. Metal working attachments available.

Easy Terms
ON ORDERS OF
\$20 OR MORE
- SEE INSIDE
FRONT COVER



Independent Chuck

(A) Four reversible jaws move independently. Diam., 4 in. Fits 1-in. 8-thread spindle on 99 PM 2027 lathe. Shpg. wt., 4 lbs. 2 oz. **\$4.95**
 9 P 2138
 4-In. Universal Chuck: 3-jaw, self centering. Fits 1-in. 8-thread spindle. (Not illustrated.)
 9 P 2148—Shpg. wt., 4 lbs. 8 oz. \$14.75

Face Plates

Fit 1-in. 8-thread spindle such as on 99 PM 2027 lathe above.
 (B) 9 P 2085—Diam., 3½ in. **\$1.29**
 Shpg. wt., 2 lbs.
 (C) 9 P 2086—Diam., 9 in. Fits on either end of spindle. **\$2.90**
 Shpg. wt., 7 lbs.

Lathe Centers and Arbors

No. 2 Morse taper shanks. Accurately ground for perfect fit. High quality.
 (D) 9 P 2107—Spur Center. Shipping weight, 7 ounces. **65c**
 (E) 9 P 2101—Cup Center. Shipping weight, 7 ounces. **65c**
 (F) 9 P 2111—60-Degree Center. Shipping weight, 7 ounces. **65c**
 (G) 9 P 2113—Precision Ball Bearing 60-Degree Center. Shipping wt., 8 oz. **\$1.95**
 (H) 9 P 2115—Screw Center. Shipping weight, 14 ounces. **95c**
 (J) 9 P 2124—Arbor for Jacob's Chuck. Shipping weight, 7 ounces. **75c**
 (K) 9 P 2125—Arbor and ½-in. Chuck. Shipping weight, 1 lb. 8 oz. **\$1.19**
 (L) 9 P 2163—Arbor for grinding, etc. **80c**
 (M) 9 P 2161—Adapter Sleeve to change from No. 2 to No. 1 Morse taper arbor. Shipping weight, 5 ounces. **59c**

Sanding Drum and Sleeves

(N) By using this drum on your lathe you can do sanding in a jiffy. Handy for sanding around curves. Has rubber backing. Fits grinding arbor 9 P 2165 or 9 P 2163. Diam., 2½ in.; 3 in. long. With adapter and one sleeve. Shpg. wt., 12 oz. **98c**
 9 P 2520—Sanding Drum
 (P) 9 P 2522—Sanding Sleeve. Coarse, medium or fine. State grade. Shipping weight, 2 ounces. Each. **10c**

Steady Rest

(R) Ideal for supporting extra long work in lathe. Handy when turning long slender pieces. Best quality brass jaws. Shipping weight, 3 pounds 10 ounces. **\$4.65**
 9 P 2023

Compound Tool Rest

(S) Precision built! New heavy design. Fits 99 PM 2027 or old model 99 PM 2022 with round bed. Angular dial graduated to 180 degrees; swivels through 360 degrees. Transverse feed, 6½ in.; longitudinal feed, 7½ in. Tool holder not included. Use tool holders on Page 21. Shpg. wt., 29 lbs. **\$15.65**
 9 P 2094

24-Inch Tool Rest

(T) With adapter for flat or round bed lathe like 99 PM 2027. With bed brackets. Shpg. wt., 10 lbs. **\$3.19**
 9 P 2095



CRAFTSMAN UNIVERSAL HEAVY DUTY LATHE

Built to Handle Big Jobs . . . Wood or Metal

FEATURES

- Convertible for metal turning, screw cutting, milling, grinding, etc.
- Heavy, rugged, semi-steel bed; ways accurately ground and finely finished.
- Massive heavy duty headstock equipped with highest quality Timken dustproof precision type roller bearings.
- Hollow spindle, 1½-inch diameter, accurately machined for No. 3 Morse tapers. Has sleeve to take No. 2 Morse taper centers and arbors.
- 4-speed pulley with 60-hole spindle indexing mechanism for dividing.
- Accurate spindle thrust adjustment.
- Heavy duty tailstock has exceptionally broad base. May be set over for turning tapers, has accurate witness mark, fitted with automatic center ejector and coordinate lock. Quill machined and ground for No. 2 Morse taper centers. Graduated along top.
- Wide speed range—575 to 2875 R.P.M. Countershaft and back gears give 16 speeds from 32 R.P.M. to 2100 R.P.M.

Thousands of professional craftsmen, schools, pattern shops and woodworking establishments have long wanted an extra-fine wood turning lathe like this CRAFTSMAN Universal Heavy Duty Lathe. As a wood lathe it's an outstanding engineering development! Even more—you can convert this lathe into a precision-type metal turning and screw-cutting lathe simply by adding the necessary parts and accessories. You can get the same metal cutting accuracy and durability in our Universal Lathe fitted with the units listed at the bottom of this and the opposite page, as in the best screw-cutting lathe offered by any manufacturer near \$100! Every job that can be handled on a wood turning lathe or on a metal working, screw-cutting lathe can be done on the CRAFTSMAN Universal Heavy Duty Lathe and its attachments.

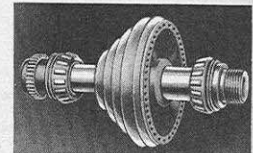
The heavy semi-steel bed with its broad, accurately machined ways, is heavy enough to resist all torsional stresses. The headstock is fitted with high quality selected Timken tapered roller bearings. These fine bearings are used in machine tools of the utmost accuracy, tools that sell for thousands of dollars. They are the finest heavy duty bearings made—typical of the quality, workmanship and material going into this fine tool. The spindle is 1½ inches in diameter and will pass a ¼-in. rod. The head-stock pulley is accurately indexed. The tailstock, a heavy duty type, may be set over for tapers, and is fitted with self-ejecting No. 2 Morse taper cup center and coordinate ram lock.

The fact that this lathe was designed for conversion into a precision metal lathe means much to the woodworker. To meet the requirements for metal working a lathe must have such rigidity, such accuracy, such bearings that it is ideal for production wood working.

The CRAFTSMAN Universal Heavy Duty Lathe opens up new fields! It gives you two lathes in one—because you can easily and economically add the necessary parts to convert it into a genuine precision-type metal working and screw-cutting lathe. All necessary holes for attaching these added parts are already drilled and tapped.

The sturdier construction and exceptionally fine heavy duty Timken bearings enable this lathe to handle metal spinning operations with great ease.

99 P 2025—CRAFTSMAN Universal Timken Bearing Heavy Duty Lathe complete with centers, belt, rest, wrench and motor pulley. Shipping weight, 165 pounds \$45.00



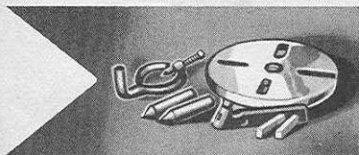
Massive, specially designed headstock spindle fitted with heavy duty Timken precision roller bearings. This accurately made spindle accommodates No. 3 Morse tapers and has sleeve to No. 2. The nose has an accurately cut thread. The well balanced 4-speed pulley has 60 accurately spaced holes for indexing, dividing, etc. Large spring loaded indexing lock.

SPECIFICATIONS

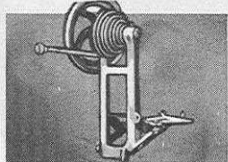
Swing over bed: 12¼ inches.
 Length, over-all: 54 inches.
 Height, over-all: 16 inches.
 Depth, over-all: 7 inches.
 Maximum distance between centers: 36 inches.
 Number of speeds: 4.
 Speeds: 575, 1035, 1725, 2875.
 Tailstock set over: ¾ inch.
 Indexed headstock pulley: 60 positions.
 Hole through spindle: 2½ in.
 Spindle nose: 1½ in., 8-thread.
 Headstock spindle: has No. 3 Morse taper (with sleeve to No. 2).
 Tailstock: has No. 2 Morse taper in ram.
 Tailstock ram travel: 2¾ inches.
 Tee rest length: 12 inches.

Easy Terms ON ORDERS OF \$20 OR MORE - SEE INSIDE FRONT COVER

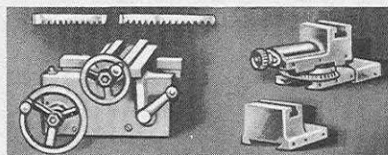
These Units Will Convert Your Universal Lathe Into



Metal Turning Outfit. This is an outfit that is essential for use in metal turning and we recommend that you include it in your order when buying parts necessary to convert your universal lathe to a metal turning screw cutting job. You'll find it worthwhile. Fine quality accessories at a money saving price. Consists of two No. 2 Morse taper 60-degree centers, tool holder, 2 tool bits, 1-inch dog and 6-inch face plate machined to fit 99 P 2025 CRAFTSMAN Universal Heavy Duty Lathe. Shipping weight, 5 pounds.
 9 P 2068 \$5.95



Countershaft Assembly. A valuable addition to your lathe for metal working. Selection of 8 speeds: 170, 270, 430, 504, 680, 832, 1298 and 2100 R.P.M. Low speeds are entirely practical for 2-inch cold rolled steel, 2½-inch cast iron or a 5-inch armature when used with the proper feed. For still lower speeds use back gears 9 P 2058, on opposite page. Complete with fittings, ready to attach. Shipping weight, 22 pounds.
 9 P 2072 \$13.90

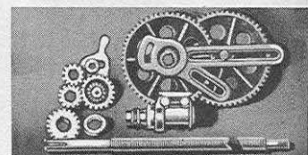


9 P 2074—Carriage and Rack Assembly. Carriage fitted with half nuts for later addition of lead screw. Has adjusting gib and locking gib. Shipping weight, 21 pounds. \$14.65

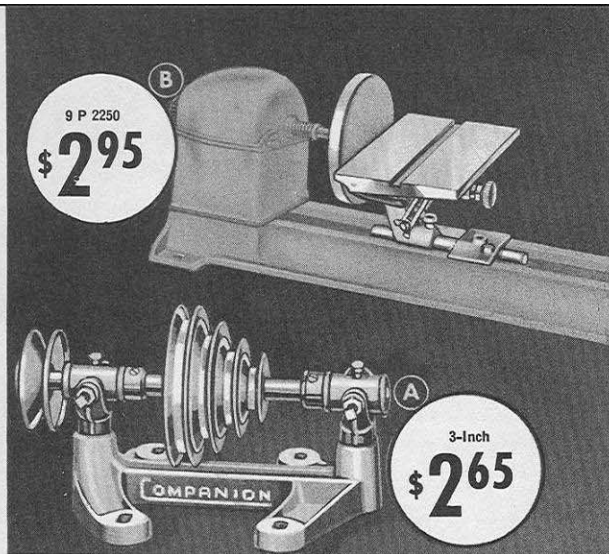
9 P 2070—Carriage Compound Rest. Fitted with adjusting gib, accurately calibrated 180-degree protractor, feed screw collar calibrated for .001-in. feed. Shipping weight, 10 lbs. \$10.60

9 P 2066—Carriage Plain Rest. An economical unit for jobs not requiring swivel feature. Shipping weight, 5 pounds. \$4.95

9 P 2064—Tool Post complete, for use with plain or compound rests. Shipping weight, 1 pound \$1.95



Lead Screw and Feed Gears. Used with 9 P 2074 carriage and rack assembly (and 9 P 2066 carriage plain rest or 9 P 2070 carriage compound rest) produces longitudinal power feed to carriage of .0087 or .0043 in. per revolution of spindle. Power feed produces much smoother cuts because the carriage advances a regular amount for each revolution of the spindle. Reverse feed mechanism included. Easy to attach. Does not include threading gears. Complete with necessary fittings for attaching to your CRAFTSMAN Universal Lathe. Shipping weight, 10 pounds 7 ounces.
 9 P 2060 \$13.95



Jack Shaft Stand

Ⓐ Use this handy accessory to get proper lathe speeds and extra cutting power for metal working. Also used for speed variation on other machines. You must have the proper speed to get the best results from your tools. Bolt holes are placed the same as those on motors, permitting use on motor bases of machines, etc. Complete with bronze bushed self-aligning bearings. Shpg. wt., each, 7 lbs. 8 oz.

9 P 2494—State size.
With 3-inch 3-step pulley..... \$2.65
With 4-inch 4-step pulley..... 2.75
With 5-inch 4-step pulley..... 2.85

Sanding Attachment

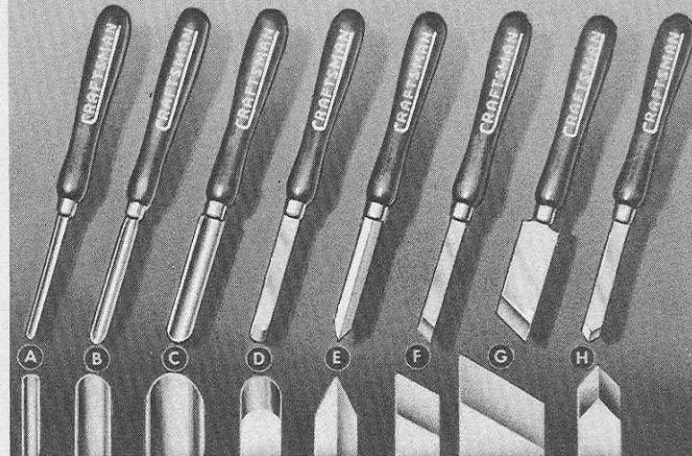
Ⓑ For perfect sanding jobs. Rugged table is firmly mounted on lathe bed. May easily be tilted to any angle. Sanding disc not included (see below). Shipping weight, 9 pounds.

Cat. No.	For Lathe	Price
9 P 2250	99 PM 2019 on P. 16	\$2.95
9 P 2096	99 PM 2027 on P. 17	2.95
9 P 2251	99 PM 2025 on P. 18	2.95

8-Inch Sanding Discs. Threaded to fit lathe spindles. Shpg. wt., 2 lbs.

Cat. No.	For Lathe	Price
9 P 2160	99 PM 2019 on P. 16	\$2.19
9 P 2162	99 PM 2027 on P. 17	2.19
9 P 2164	99 PM 2025 on P. 18	2.35

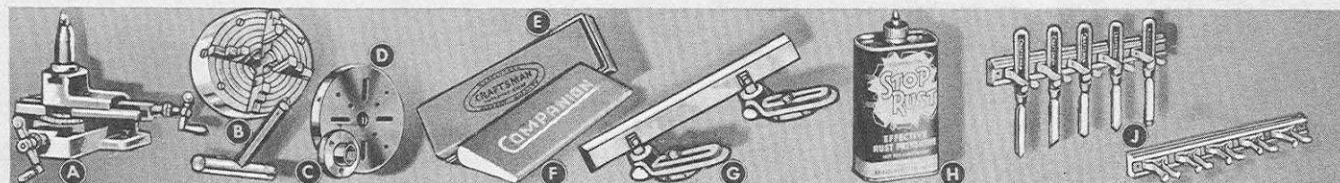
CRAFTSMAN Turning Chisels



59¢ CRAFTSMAN Wood Turning Chisels and Gouges

Exceptionally high quality 4-inch blades of carefully tempered, brightly polished tool steel. Expertly ground. Keep a bitingly keen edge. Can't be beat for fast, easy, clean cutting. 8-inch handles, beautifully finished and given a special polishing which won't dull with wear. Shaped and balanced for easy handling. Heavy ferrule. You'll like the feel of these tools and get plenty of useful service from them. Shipping weight, each, 13 ounces.

Gouges		Round Nose		Skew Chisel	
Ⓐ 9 P 2850	¼-inch wide..... 59¢	Ⓓ 9 P 2856	½-inch wide..... 59¢	Ⓕ 9 P 2862	½-inch wide..... 59¢
Ⓑ 9 P 2851	½-inch wide..... 69¢			Ⓖ 9 P 2863	1-inch wide..... 85¢
Ⓒ 9 P 2852	¾-inch wide..... 89¢	Parting Tool		Spear Point	
		Ⓔ 9 P 2858	½-inch wide..... 59¢	Ⓗ 9 P 2854	½-inch wide..... 59¢



Compound Rest

Ⓐ Precision built. Direct bed-attached. Feeds are calibrated to .001-inch. Swivel to 180 degrees. Two anchor studs. Production tool post.
9 P 2076—Shipping weight, 21 pounds. \$14.65

Independent Chuck

Ⓑ 6-inch chuck. Has 4 reversible jaws. Fits the Universal Heavy Duty Lathe. Jaws are hardened and tempered. Perfectly fitted.
9 P 2139—Shpg. wt., 8 lbs. 12 oz. \$9.25

Face Plates

For woodworking. For 99 PM 2025 lathe or any lathe with 1½-inch, 8-thread spindle. Well balanced and machined.

Ⓒ 9 P 2097—¾-inch size. Shipping weight, 2 pounds..... \$1.25
Ⓓ 9 P 2098—6-inch size. Shipping weight, 3 pounds..... \$1.65

CRAFTSMAN Sharpening Stone

Ⓔ Vitrified silicon carbide. One side medium for fast cutting; other side fine for smooth edge. Size, 7x2x1 inches. Shipping weight, 1 pound 8 ounces.

9 P 6440..... \$1.25

COMPANION Slip Stone

Ⓕ Gives extra keen edge to gouges and other round shaped tools. Medium-fine.
9 P 6454—Shpg. wt., 12 oz. 45¢

Tool Rest

Ⓖ 24-inch rest. A great convenience when doing long turnings. Built for long service. Readily adjustable for height. Well machined and nicely finished. Complete with bed brackets. Shpg. wt., 12 lbs.

9 P 2063..... \$2.95

Stop Rust

Ⓗ This rust-preventive has been laboratory tested and is used by our own power tool manufacturers. Spread on the surface of any metal it forms a smooth film which will protect your most valuable machinery and tools. Not intended for use as a lubricant. The finely polished and ground surfaces of your power tools are machined to very accurate limits. They deserve the protection of COMPANION Stop Rust. This is especially true in basement shops or in shops where the humidity is exceptionally high. ½-pint can. Shpg. wt., 8 oz.

9 P 2927..... 29¢

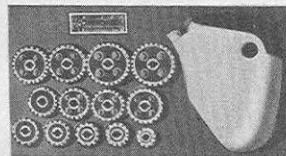
Handy Tool Clips

Ⓙ Your tools will remain bright and sharp, when they're safely in place on these handy tool clips. They'll be handier, too—right at your finger's tips when you want them, not on the floor or lost underneath a table or cabinet.

The clips are made from the finest spring steel. And they're adjustable in grip tension to accommodate any type of tool you may have—from the smallest to the largest. Clips are mounted in groups of five on a nicely finished wood strip. Get several—have a place for every tool—save your time and tools. Shpg. wt., 10 oz.

9 P 2865—5 mounted tool clips without chisels..... 25¢

A Precision Metal-Working, Screw-Cutting Lathe!



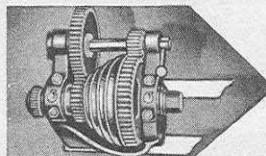
Thread Gears and Chart. With power feed assembly, opens up whole new field of thread cutting possibilities. For cutting all standard threads 4 to 80 threads per inch, (left or right) including pipe threads. Shipping weight, 5 pounds.
9 P 2056..... \$6.35

Gear Guard Assembly. Offers maximum convenience and safety to operator. Complete with all fastenings and ready to attach. Shipping weight, 16 pounds.
9 P 2054..... \$4.95

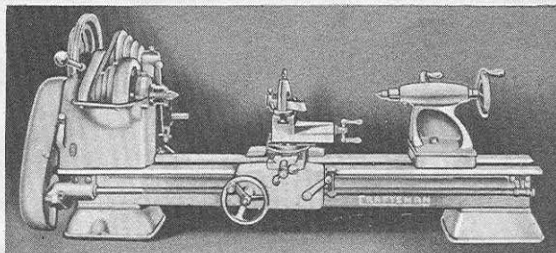


Thread Dial. Simplifies thread cutting by indicating when to engage carriage; prevents spoilage. Shipping weight, 8 ounces.
9 P 2052..... \$1.60

Steady Rest. Brass jaws. Required for long turnings; assists in maintaining accuracy. Shipping weight, 7 lbs.
9 P 2050..... \$4.60



Back Gears. For attachment to special Timken bearing headstock lathe No. 99 PM 2025. With countershaft attachment, provides 16 speeds. Lowest speed, 32 R.P.M. Makes possible the greatest range and capacity of work for metal working lathe. Low speeds are essential for large work and heavy cuts.
All necessary parts and fittings are supplied to fit the drilled and tapped holes of 99 PM 2025 lathe. Instructions furnished. Shipping weight, 14 pounds.
9 P 2058..... \$11.95



We believe the CRAFTSMAN Universal Heavy Duty lathe and its accessories to be the most flexible group of lathe equipment ever offered. This lathe is the finest bench type wood working lathe we have ever seen! Fitted with compound rest, centers, etc., it is an excellent armature lathe, or by the addition of other equipment it can be built into a most accurate screw cutting metal working lathe.

MASTER CRAFTSMAN

REG. U. S. PAT. OFF.

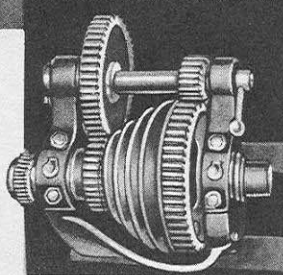
99 PM 2028
\$77⁵⁰



12-INCH SCREW CUTTING LATHES

- Guaranteed accurate to .001 inch.
- Heavily reinforced semi-steel bed with precision-ground ways.
- Mogul type semi-steel headstock with high speed line reamed babbit bearings. Heavy duty ball thrust bearing.
- Countershaft is integral part of the lathe, a complete self-contained unit including motor mounting.
- Back gears are 12-pitch 7/8-inch face special type giving plenty of power.
- Threading gears cut all standard right and left hand threads from 4 to 80 per inch, including Vee pipe thread.

- Semi-steel tailstock has set-over for taper turning. Fitted with center ejector and coordinating ram lock. Ram graduated in 16ths of an inch.
- Non-slip V-belt drive with adjustable belt tension and release lever.
- Heavy semi-steel carriage has adjustable gibs for take-up. Positive lock on quill; threading dial, etc.
- Compound rest swivels and locks at any angle and is graduated in one degree divisions from 0° to 180°.
- Reverse gear controlled by convenient lever at left of headstock for quickly reversing lead screw.



View of headstock showing large line reamed high speed babbit bearings. Finest quality ball thrust bearing and husky back gears.

SPECIFICATIONS

Swing over bed: 12 1/4 in.
Swing over carriage: 8 1/2 in.
Maximum distance between centers: See table of bed lengths.
Length over all: 45 in. (42-inch bed).
Height over all: 19 in.
Depth over all: 25 1/2 in.
Hole in spindle: 7/32 in.
Spindle nose: 1 1/2 in. diameter. 8 threads.
Taper in headstock spindle: No. 3 Morse, sleeve to No. 2 Morse.
Taper in tailstock spindle: No. 2 Morse.
Number of speeds: 8 or 16 as specified at right.
Speed range: 8-speed lathe; 170, 270, 430, 504, 680, 832, 1298 and 2100. 16-speed lathe; 32, 50, 74, 88, 120, 142, 170, 210, 270, 350, 430, 504, 680, 832, 1298 and 2100.
Lead Screw: 8 Acme threads per inch.
Cross slide travel: 6 1/2 in.
Compound rest angular travel: 2 3/4 in.
Tailstock set over: 3/4 in.
Has witness mark and graduated ram.

The finest workmanship—design—materials—and features are combined in this lathe to make it far superior to anything in its field. Compare it—feature for feature, specification for specification—with any other lathe on the market! See for yourself why thousands are in daily use in factories, garages and homes—wherever a truly fine lathe is desired! We have used materials and machining methods which are the best available. Each step in the manufacturing process is rigidly inspected. Each individual finished lathe, before it is shipped, must undergo a series of tests to insure utmost accuracy and satisfaction. **Guaranteed accurate to .001 inch.**

HEADSTOCK: Semi-steel, precision milled and machined. Bearings filled with special high speed babbit. Bearings are bored and line reamed in a massive precision fixture after headstock is mounted on bed. This method of machining insures accurate alignment with bed. Be sure the lathe you buy has such fine babbit filled bearings with double screw caps such as are used on the world's finest tools.

BED: The heavy bed is given a rough milling cut, seasoned thoroughly, milled and ground to a fine accurate surface, checked for accuracy, finish ground and finally rechecked with Brown and Sharpe master surface plate.

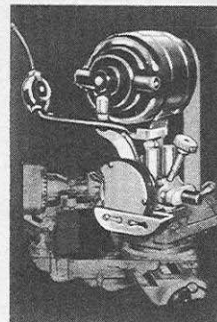
SPINDLE: Special alloy steel. Fitted with ball thrust bearing. Special machining guarantees accurate threading and concentricity of bore.

TAILSTOCK: Semi-steel, accurately aligned with headstock by special arbor. Actual test cuts on lathe must show less than .001 inch error.

99 PM 2028—CRAFTSMAN 8-speed, 12-inch screw cutting lathe. 36-inch bed, 18 inches between centers with unit countershaft and line reamed babbit headstock bearings, compound rest, thread cutting gears and reversible feed, wrenches, belts, etc. Less motor and back gears. Shpg. wt., 218 lbs. . . . \$77.50
 CRAFTSMAN 16-speed, 12-inch screw cutting lathes. As above but also equipped with back gears.

Easy Terms!
 ON ORDERS OF \$20 OR MORE - SEE INSIDE FRONT COVER

Catalog No.	Bed Length	Cap. Between Centers	Shpg. Wt.	Less Motor
99 PM 2065	36 in.	18 inches	230 lbs.	\$89.50
	STANDARD			
99 PM 2067	42 in.	24 inches	238 lbs.	\$95.00
99 PM 2069	48 in.	30 inches	248 lbs.	\$102.50
99 PM 2071	54 in.	36 inches	256 lbs.	110.00



Universal Tool Post Grinder

Grinds valves and cutters at any angle. Also pistons, bushings, reamers, valve stem bushings, valve stems, lathe centers. Undercuts mica. Complete with motor, external and internal grinding wheels, quill for internal grinding, 5 mica undercutting saws and diamond wheel dresser. Shipping weight, 23 pounds. 9 P 2998. . . . \$45.00



Tool Light

(A) Throws the light exactly where you want it. Keeps it out of your eyes. Has flexible neck and extra large reflector. Complete with cord and plug. See Page 24 for detailed description. Shpg. wt., 1 lb., 12 oz. 9 P 2264. . . . \$1.60

Center Gauge

(B) For checking lathe centers and setting threading tool. Tempered steel. Shpg. wt., 1 oz. 9 P 4064. . . . \$40c

Center Drill

(C) With countersink. High grade steel. 3/2 or 3/8-inch diameter. State size. 9 P 2061—Shpg. wt., 1 oz. 25c

Follower Rest

(D) For jobs requiring a long cut on small diameters. Fastens to back of carriage—follows cutting tool. Shpg. wt., 4 lbs. 9 P 2988. . . . \$2.75

Face Plate

(E) 8 1/2 inches in diameter. Shipping weight, 6 pounds. 9 P 2087. . . . \$3.50

Crotch Center

(F) For centering round work, for tailstock drilling. Shpg. wt., 1 lb. 9 P 2114. . . . \$95c

Micrometer Carriage Stop

(G) Insures accurate facing and turning. 9 P 2185—Shpg. wt., 1 lb. . . . \$3.25

Drill Pad

(H) 9 P 2187—Shpg. wt., 1 lb., 2 oz. . . . \$95c

Tool Post Tool Set

(J) High speed tool steel. Includes set of tool post spacers; 4 boring tools; 3/16, 1/4, 3/8 and 1/2-inch; one 1/4-inch inside threading tool; one 3/8-inch turning tool and one 3/4-inch threading tool. Shipping wt., 2 lbs. 9 P 2189. . . . \$4.35



36-Inch
\$112⁰⁰

MASTER CRAFTSMAN DE LUXE

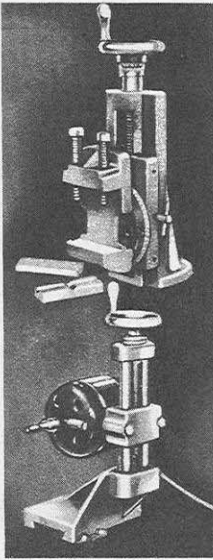
SMOOTH, EVEN POWER—ACCURACY GUARANTEED

Sears finest! Outstanding in every way; workmanship—materials—accuracy—versatility—VALUE! Ideal for home, school, or professional shop—for any craftsman who wants the very best lathe his money can buy! Has ALL the features that make our 16-speed lathes on opposite page leaders in their field PLUS, ideas never before offered at this price. DeLuxe fittings throughout. Equipped with finest Timken tapered roller bearings for the greatest accuracy and longest life. These bearings are not just standard Timken bearings. We spend plenty of money to have these bearings specially selected to maintain the alignment of the main spindle to very close limits. They will carry very heavy loads at slow speeds and yet operate perfectly at high speeds. They are the finest bearings we could secure—the type used in large machine tools selling for thousands of dollars. Belt guards completely cover the headstock—assuring maximum safety for the operator. Guards are hinged and may be easily opened to change speeds. It's the finest lathe you can buy at anywhere near this price. All we ask is that you see it and compare it before you purchase ANY lathe!

The enviable reputation that CRAFTSMAN metal lathes have earned is based on sound design, the best of materials and a final inspection of each individual lathe. A rigorous series of tests prove positively that the lathe is built accurate to .001 of an inch as we guarantee it. Complete with specially selected Timken tapered roller bearings, guards and countershaft drive.

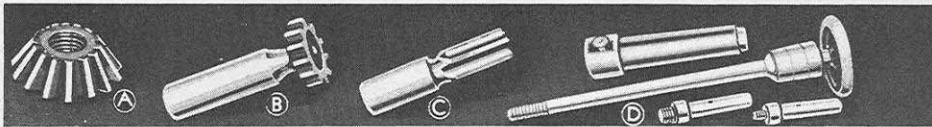
Catalog No.	Bed Length	Cap. Between Centers	Shpg. Wt.	Less Motor
99 P M 2073	36 in.	18 inches	250 lbs.	\$112.00
	STANDARD			
99 P M 2075	42 in.	24 inches	260 lbs.	\$119.00
99 P M 2077	48 in.	30 inches	270 lbs.	\$129.00
99 P M 2079	54 in.	36 inches	280 lbs.	\$139.00

Easy Terms!
ON ORDERS OF \$20 OR MORE - SEE INSIDE FRONT COVER



Milling Attachment
Has graduated swivel vise, V-block for holding cylindrical objects. Vise capacity, 2 3/4 in. Vertical feed, 2 3/4 in. Micrometer graduated feed screw. Cross feed, 5 in. Angular swivel accurately graduated in degrees. Shipping weight, each, 16 lbs.
9 P 2987—New type; fits lathes above and on opposite page. Fastens to carriage by 2 heavy set screws. \$14.45
9 P 2993—Fits old model CRAFTSMAN lathes; fastened to carriage by two bolts from below. \$14.45

Mica Undercutting Attachment
Fastens to back of carriage; goes into action in a jiffy. Not necessary to remove cutting tool. Universal motor for 110-120-volt D.C. or A.C. 25-60 cycles, switch, cord, set of 5 undercutting saws. Shipping weight, 10 pounds.
9 P 2989...\$19.95



High Speed Steel Milling Cutters
(A) Angular Type. Carefully ground and well made. For use with threaded adapters supplied with holding collet No. 9 P 2994 listed at right. For face milling or dovetailing. Shipping weight, each, 3 oz.
9 P 2995—State size.

Diam.	Thick	Hole	Price
1 1/4 in.	7/16 in.	3/8 in.	\$3.35
1 1/2 in.	3/8 in.	1/2 in.	3.75

(B) Wood-ruff Keyway Cutters. 1/2-in. shank. Well made and carefully ground. Shipping weight each, 4 ounces. State size.

Diam.	Thick	9 P 2996
1/2 in.	1/8 in.	\$1.85
3/4 in.	3/16 in.	2.10
1 in.	1/4 in.	2.45
1 1/4 in.	3/8 in.	2.85
1 1/2 in.	1/2 in.	3.25

(C) R. H. Cut, R. H. Spiral End Mills. Used with 9 P 2994 and 9 P 2985 at right. Shipping wt., each, 3 oz. State size.

Diam.	Flute	9 P 2997
1/2 in.	3/8 in.	\$1.20
3/4 in.	1/2 in.	1.25
1 in.	3/4 in.	1.40
1 1/4 in.	1 in.	1.65
1 1/2 in.	1 1/8 in.	1.75

(D) Holding Collet
For milling cutters. Furnished with 3 arbors, to take threaded hole angular cutters, keyway cutters and 1/2-inch end mill. Holds milling cutters firmly. Shipping wt., 3 lbs.
9 P 2994...\$5.25
9 P 2985—Set of 4 Collet bushings for use with 1/4, 3/8, 1/2, and 3/4 in. end mills. Shipping wt., 4 oz. \$5c



Tool Holders
Steel forgings, carefully finished. For 1/4-in. tool bits. Shipping weight, each, 2 pounds.
(A) 9 P 2198—Threading...\$2.60
(B) 9 P 2202—Knurling Tool...\$3.20
(C) 9 P 2192—Offset, Right... 1.10
(D) 9 P 2196—Straight... 1.10
(E) 9 P 2194—Offset, Left... 1.10
(F) 9 P 2200—Cut-Off... 1.60

6 Formed Tool Bits
High speed steel, 3/4 in. Shpg. wt., 8 oz. Set consists of:
(G) Threading Bit.
(H) L. H. Facing Bit.
(J) R. H. Turning Bit.
(K) Round Nose Turning Bit.
(L) R. H. Facing Bit.
(M) L. H. Turning Bit.
9 P 2205—Set of 6...\$1.10

(N) 5-in. 3-Jaw Universal Scroll Chuck
Self centering. With 2 sets of jaws. 9 P 2150—Shpg. wt., 6 lbs. 11 oz...\$17.95
(O) 6-in. 4-Jaw Independent Chuck
9 P 2139—Shpg. wt., 8 lbs. 12 oz...\$9.25
Heavy Duty 8-in. 4 Jaw Independent Chuck
9 P 2141—Shpg. wt., 22 lbs...\$13.95
All above chucks have back plate to fit spindle nose on above lathes—1 1/2 in. by 8-thread.

Steady Rest
(R) For long, slender work. Brass jaws. Capacity, up to 2 3/4-in. Shpg. wt., 7 lbs.
9 P 2050...\$4.60
(S) Spindle Nose Chuck
Hollow; takes 1/4 to 3/8 in. Also may be used on tailstock with adapter. Shpg. wt., 4 lbs.
9 P 2144...\$9.95

Lathe Dogs
(T) 9 P 2183—Drop forged. Be sure to state size.

Size	Shpg. Wt.	Price
1/2 in.	1 lb.	50c
3/4 in.	1 lb.	55c
1 in.	1 lb.	60c
1 1/2 in.	1 lb.	70c