

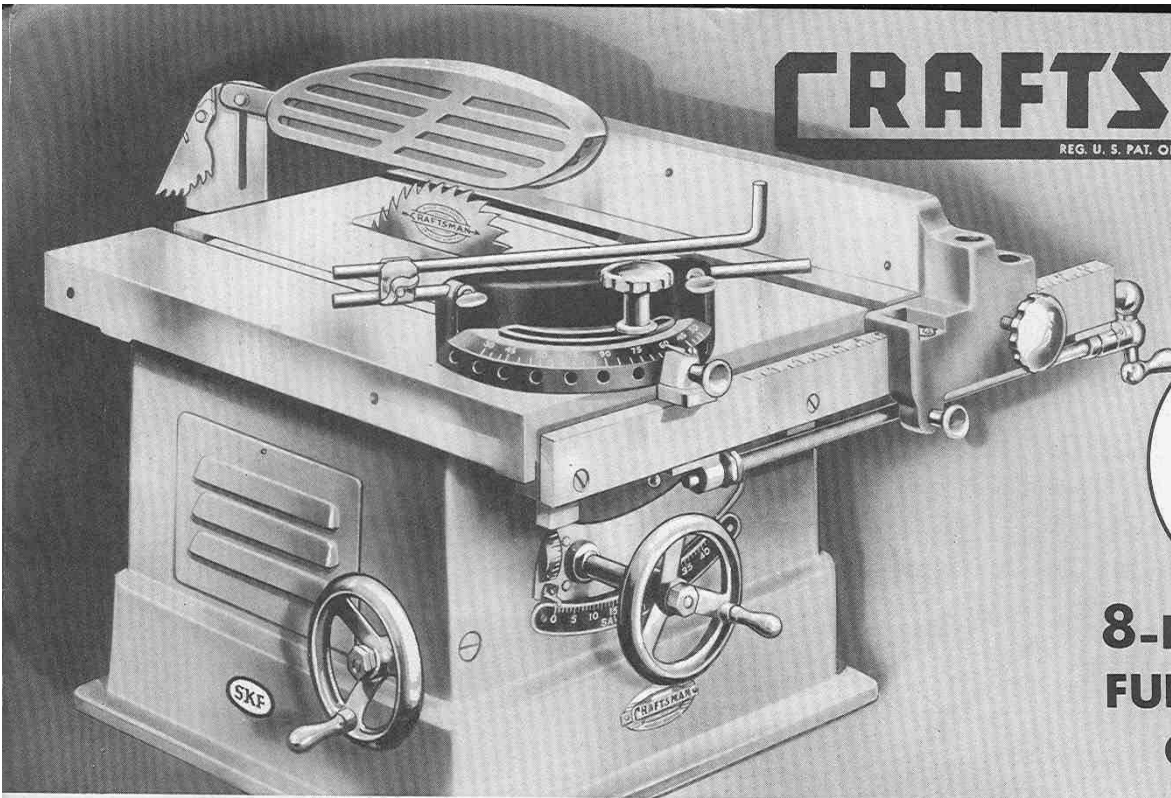


CRAFTSMAN
REG. U.S. PAT. OFF.
AND
COMPANION
REG. U.S. PAT. OFF.
POWER TOOLS
1938 MODELS

SEARS, ROEBUCK AND CO.
THE WORLD'S LARGEST DISTRIBUTOR OF POWER TOOLS

CRAFTSMAN

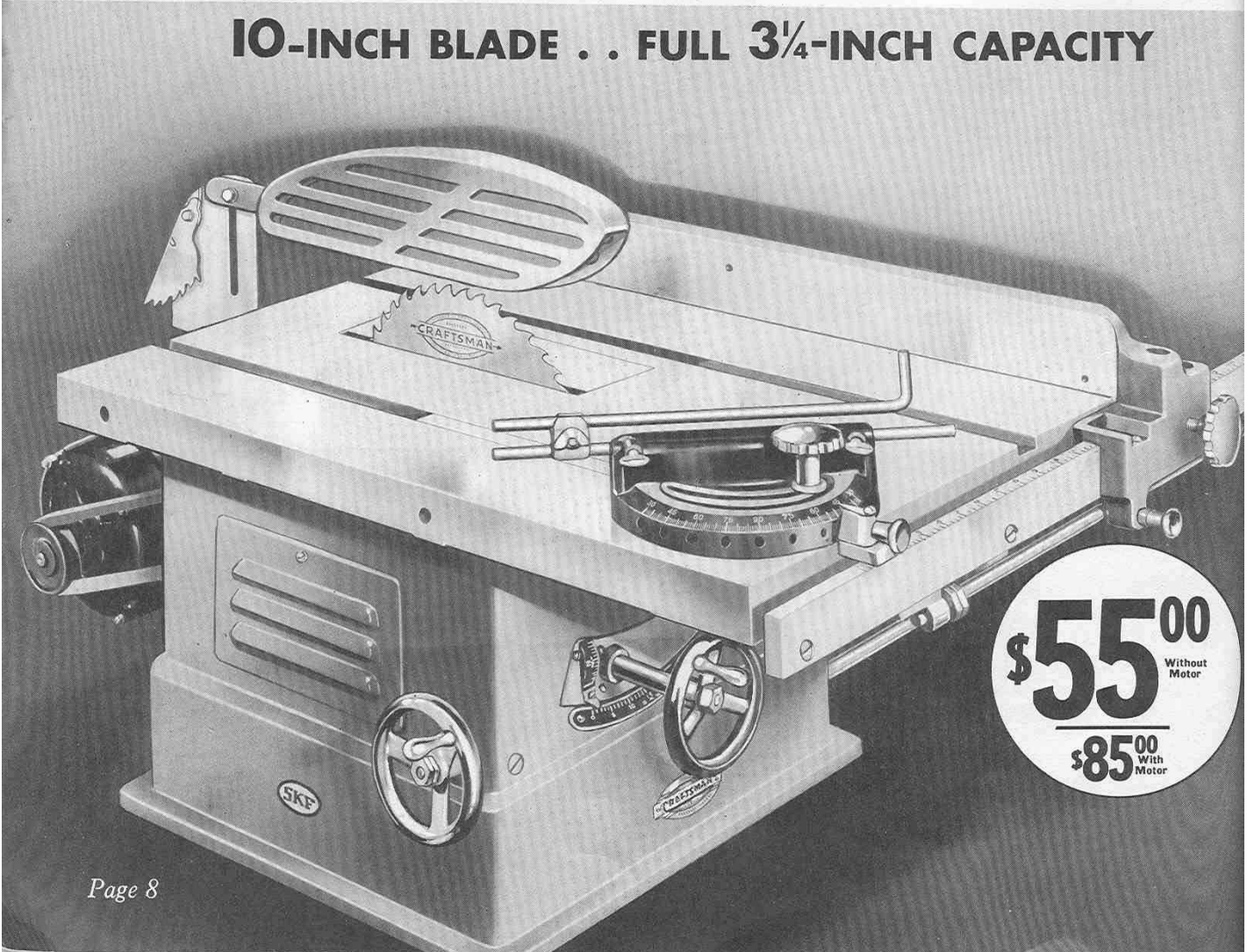
REG. U. S. PAT. OFF.



\$39⁵⁰
99 PM 2236

**8-INCH BLADE
FULL 2½-INCH
CAPACITY**

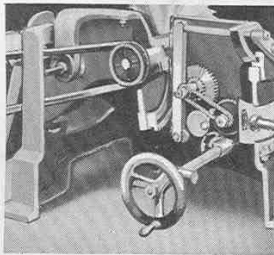
10-INCH BLADE . . FULL 3¼-INCH CAPACITY



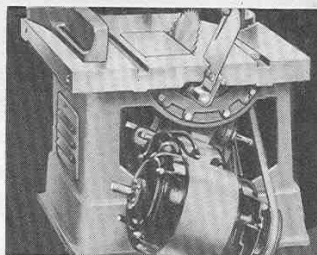
\$55⁰⁰ Without Motor
\$85⁰⁰ With Motor

HEAVY DUTY TILTING BLADE BENCH SAWS

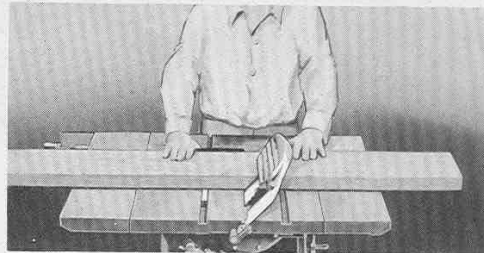
Lead the Field for Quality and Performance



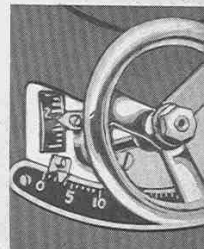
Finest construction ever used. The massive cradle mounted on giant trunnions, the large rugged saw arbor and arm pivoted to the cradle, the accurately made control gears—all are unmatched at ANY price!



Exceptionally massive trunnions carry the entire tilting blade mechanism. Will remain true and accurate through many years of hard service. The motor is counterbalanced for ease in operation; it tilts, raises and lowers with saw blade and arbor.



See how easy it is to cut a board at an angle on the CRAFTSMAN Tilting Blade Bench Saw. The table is never tilted, always level and easy to use. The work always lies flat regardless of the angle at which the board is being cut. That means no sliding—much easier operation! A long board which would hit the floor on a tilting table saw is easy to handle on the CRAFTSMAN.



Drum type gauge gives exact depth of cut. Depth gauge moves with angular pointer.

- Angle and depth gauges mounted together—always easily read regardless of position of blade.
- Massive oversize base insures utmost stability for greater accuracy—finer workmanship.
- Large precision-type SKF ball bearings.
- Blade is enclosed by sawdust chute.
- The saw blade, mounted on a rugged accurate mechanism, tilts, raises and lowers.
- Motor and blade tilt together as a unit. Belt always runs straight—is never twisted.
- Rip fence feed screw control permits the adjustment of width of cut to $\frac{1}{64}$ of an inch.

The Choice of Professional Craftsmen

When Sears recently introduced these tilting blade bench saws, the results were amazing! Factories couldn't keep up with the orders! Production was doubled—then tripled! Day and night shifts worked constantly in trying to keep up with the demand! Craftsmen all over the country realized that here at last was the bench saw they had been waiting for! And they proved that Sears had again given them just what they wanted at a price they wanted to pay. They proved it by their orders—a landslide of orders that speak far more convincingly about the quality and value of these saws than anything we can say here!

Our radically new design incorporates features that craftsmen have wanted for years. With the conventional saw the table is tilted and work is difficult to hold in the correct position for sawing, as it tends to slide toward the lower side of the table. All this is eliminated in this new and better tool. Long boards which would touch the floor on a tilting table saw are handled as easily as short ones. Sawing on a tilting blade saw is ALWAYS faster—easier—better!

The tilting blade type of construction is made possible only by our volume as the largest distributor of power tools in the country. A tilting blade saw must be designed and built to the highest standards. Its construction requires the use of expensive special tools and machinery. Because of the large expense involved no one previously dared go into this type of construction. Only by buying unheard of quantities have we been able to offer these saws at these low prices. To our knowledge, no 8-inch saw in any way comparable to this one has ever sold for less than \$60.00!

The table is heavy and well ribbed—very smoothly ground to a fine finish. Very large diameter trunnions support a massive cradle, which tilts with the blade to provide angle cut. Angle of tilt may be adjusted from 90 degrees to 45 degrees; positively controlled by screw feed mechanism and large hand wheel. Saw blade and arbor are carried by an arm pivoted on cradle. This pivoted arm provides depth of cut adjustment and also carries the motor. Slide bolt under front of table locks both raising and tilting mechanisms easily and quickly. Rip fence is extra strong self squaring type. Feed screw mechanism, for lead screw is readily engaged or disengaged; has vernier adjustment to $\frac{1}{64}$ -inch. The miter gauge is large, heavily and accurately made; indexed at 15° intervals, graduated at 1° intervals; fitted with adjustable stop rods. Blade is fine quality combination crosscut and ripping type.

CRAFTSMAN 10-Inch Bench Saw

Bigger! Heavier! More powerful! The finest 10-inch bench saw made! Has all the high quality and outstanding features described above.

SPECIFICATIONS

TABLE: 20x27 inches. With extensions added, as shown at right, 34x32 inches.
DEPTH OF CUT: From 0 to $3\frac{1}{4}$ inches.
NET WEIGHT: 150 pounds.
OVER-ALL DIMENSIONS: Length, 30 inches; height, 20 inches; width, 28 inches.
RIP FENCE: Fitted to bar graduated in $\frac{1}{16}$ ths from 0 to 15 inches.
BLADE: 10-inch diameter, $\frac{5}{8}$ -inch bore.

99 PM 2237—CRAFTSMAN 10-inch Tilting Blade Bench Saw. With guard, rip fence, miter gauge, V belt and motor pulley. Without motor. Shipping weight, 200 pounds. **\$55.00**

99 PM 2238—Same as above with $\frac{3}{4}$ -H.P. ball bearing double drive shaft repulsion-induction type motor, 99 PM 5611 described on Page 37. 110-volt, 60-cycle A.C. Shipping weight, 245 pounds. **\$85.00**

CRAFTSMAN 8-Inch Bench Saw

A full 8-inch machine—not a 6-inch saw with an 8-inch blade. See the many features and the full description given above.

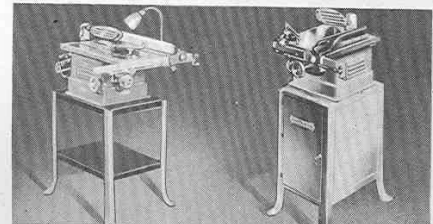
SPECIFICATIONS

TABLE: 16x20 inches. With extensions added, as shown at right, 28x26 inches.
DEPTH OF CUT: From 0 to $2\frac{1}{2}$ inches.
NET WEIGHT: 130 pounds.
OVER-ALL DIMENSIONS: Length, 26 inches; height, 17 inches; width, 26 inches.
RIP FENCE: Fitted to bar graduated in $\frac{1}{16}$ ths from 0 to 11 inches.
BLADE: 8-inch diameter, $\frac{5}{8}$ -inch bore.

99 PM 2236—CRAFTSMAN 8-inch Tilting Blade Bench Saw. With guard, rip fence, miter gauge, V belt and motor pulley. Without motor. Shipping weight, 150 pounds. **\$39.50**

99 PM 2207—Same as above with $\frac{1}{2}$ -H.P. ball bearing double drive shaft capacitor type motor, 99 PM 5587 described on Page 37. 110-volt, 60-cycle A.C. Shpg. wt., 185 lbs. **\$56.00**

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



Machine Stand

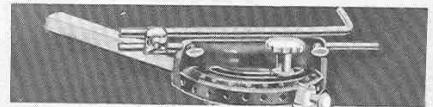
Ideal for bench saws. Fully described on Page 38.

99 P 2719—State size.
 Top, 16x21 in. Ht., 31 in.
 For 99 PM 2236 Bench Saw.
 Shipping weight, 39 pounds. **\$5.65**
 Top, 19x25 in. Ht., 29 in.
 For 99 PM 2237 Bench Saw.
 Shpg. wt., 46 lbs. **\$6.50**

Machine Cabinet

Recommended for use with 99 PM 2236 Bench Saw. All steel. Roomy cabinet has sturdy shelf for tools. Top measures 16x21 inches. Stands 31 inches high. Complete description on Page 38. Shipping weight, 62 pounds.

99 PM 2718 \$11.75



Heavy Duty Indexing Miter Gauge

Same as supplied on bench saws on this page. Fits $\frac{3}{4}$ by $\frac{3}{8}$ -inch slot. Stops for different angles.

9 P 2252—Shpg. wt., 5 lbs. **\$2.60**



Extension Tables for Large Work

Front Extension. With all fittings and fine wood facing.

9 P 2208—For 99 PM 2236 Bench Saw. 6x16 in. Gives 15 in. in front of blade. Shpg. wt., 14 lbs. **\$4.50**

9 P 2203—For 99 PM 2237 Bench Saw. 20x5 in. Gives 17 $\frac{1}{4}$ in. in front of blade. Shpg. wt., 14 lbs. **\$4.75**

Side Extensions. Usable only with front extensions above. Complete with long feed screw and graduated bar.

99 P 2209—For 99 PM 2236 Bench Saw. Each, 6x26 in. Shpg. wt., 37 lbs. 2 side extensions. **\$9.50**

99 P 2204—For 99 PM 2237 Bench Saw. Each, 7x32 in. Shipping weight, 58 pounds. 2 side extensions. **\$11.50**

Table Inserts for Dado Sawing

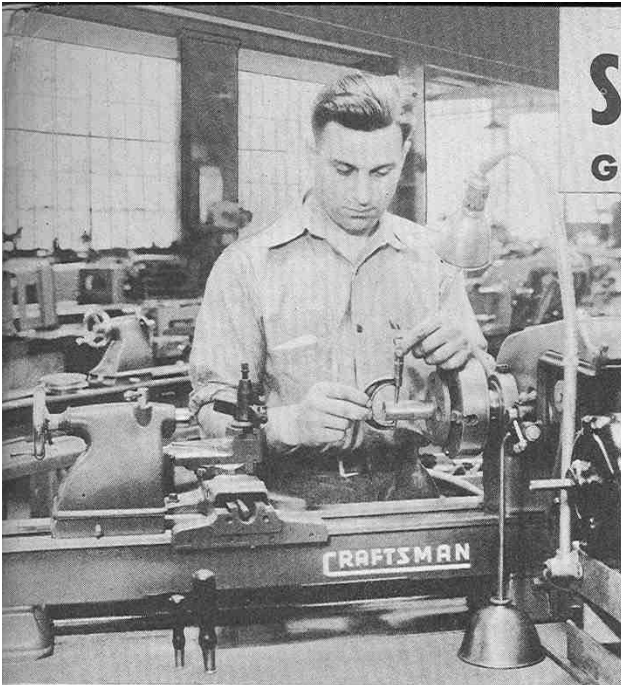
Support work close to blade. Steadier! More accurate!

9 P 2219—For 8-inch CRAFTSMAN Tilting Blade Bench Saw 99 PM 2236. Shpg. wt., 8 oz. **75c**

9 P 2201—For 10-inch CRAFTSMAN Tilting Blade Bench Saw 99 PM 2237. Shipping weight, 8 ounces. **95c**

SOUND ENGINEERING

GIVES SEARS POWER TOOL LEADERSHIP



Factory Tests and Inspections Guard Quality at Every Step

In the picture above you see a factory inspector putting a CRAFTSMAN Screw Cutting Lathe through one of its final tests. The inspector has just taken a test cut on a piece of work held in the chuck only, without support from the tailstock. After taking the cut he checks the diameter of the piece at a point very close to the chuck and at a point about four inches away from the chuck. These two diameters must be the same within one thousandth of an inch.

This is merely one of the many similar factory inspections that constantly guard the quality of all Sears Power Tools during every step of their manufacture. It is your assurance of maximum accuracy and precision whenever you buy a CRAFTSMAN or COMPANION Power Tool.

Important Information Regarding Prices

Should the Federal Government or any State find it necessary to increase by taxes or otherwise the cost or selling price of any of the merchandise described in this Catalog, we reserve the right to add any such taxes or other increases of cost or selling price to the prices of merchandise shown in this Catalog.

Sears Power Tools Sold on Easy Payments

Pay a Small Amount Down and the Balance Monthly

Does lack of ready cash prevent you from becoming a Power Tool enthusiast or keep you from adding a new tool to your workshop? If you are responsible and have a regular income you can do as thousands of other Sears customers do—use Sears Easy Payment Plan.

By using your credit at Sears you can buy the Power Tools you need now instead of waiting or buying one tool at a time when you may need several. By paying a small amount down and the balance monthly you can pay for your tools while you are using them. Whether you buy for cash or on easy payments you get the benefit of Sears rockbottom prices.

GUARANTEE

WE GUARANTEE EVERY CRAFTSMAN OR COMPANION POWER TOOL AS WELL AS EVERY MACHINE, MOTOR OR ACCESSORY SHOWN IN THIS CATALOG TO BE EXACTLY AS DESCRIBED AND ILLUSTRATED. TO GIVE YOU PERFECT SATISFACTION AND TO REPRESENT FULL VALUE FOR THE PRICE PAID, IF YOU ARE NOT FULLY AND COMPLETELY SATISFIED WITH YOUR PURCHASE, RETURN IT TO US AND WE WILL REFUND YOUR MONEY TOGETHER WITH ANY TRANSPORTATION CHARGES YOU MAY HAVE PAID.

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IT takes more than just metal and machinery to make good power tools. The CRAFTSMAN and COMPANION Power Tools presented in this book had their beginning in sound engineering—the combined efforts of our own technical experts plus those of America's foremost power tool manufacturers. Through contact with our hundreds of retail stores and our ten huge Mail Order Houses, this group of men have been able to keep close to the needs of countless power tool users. They are able to incorporate in CRAFTSMAN and COMPANION Power Tools the ideas of America's professional and amateur craftsmen as well as shop owners and factory production men.

Added to this is Sears tremendous volume that permits heavy investment in new machinery, tools and dies. It is the story of mass production that benefits the user by giving him finer, better engineered products at prices that always save him money.

Sears Lead in Advancements That Make Power Tool History

Several years ago Sears introduced a drill press radically different from all others because it embodied a new "Floating Drive" spindle. This new principle of operation at once eliminated the objectionable spindle whip and vibration always present in conventional drill presses. It set a new standard of drill press performance for the entire industry. Two years ago Sears presented a new screw cutting lathe that offered power tool users a measure of accuracy, precision and value in a metal working lathe never before obtainable at the price. Last season Sears new tilting blade bench saws met with overwhelming acceptance the country over. They made available for the first time in the moderate price field, bench saws with this superior type of construction. Today in this catalog we offer to America's thousands of power tool enthusiasts the finest band saw that we have ever seen. A glance at the next page will show you this tool. It is truly a pace setter for design, performance and value. These examples cover only a few of the advances pioneered by Sears. The point is that CRAFTSMAN and COMPANION Power Tools are leaders in their field. When you buy power tools from Sears you are sure of getting soundly engineered products of superior construction at prices that save you money. At the same time you are protected by a Guarantee that has been nationally famous for over 50 years.

Sears Repair Part Service

Should you ever need repair parts for any Sears power tool, you can depend on us for speedy service. Repair parts are easy to order because every part is numbered.

INDEX

Aprons.....	33
Band Saws and accessories.....	1-3
Belts, Pulleys and accessories.....	39
Bench Saws and accessories.....	5-9
Bench, Work.....	38
Blue Prints.....	33
Carving Tools.....	17
Drill Presses and accessories.....	26-31
Electric Drills and accessories.....	32
Flexible Shaft and accessories.....	20, 21
Glue Pots.....	33
Grinders and accessories.....	34, 35
Hack Saw, power driven.....	12
Instruction Books.....	33
Jig Saws and accessories.....	23-26
Jointer-Planers and accessories.....	10-11
Lathes and accessories.....	12-19
Line Shafting and accessories.....	39
Machine Stands and cabinets.....	38
Metal Working Lathes and accessories.....	13, 18, 19
Motors and accessories.....	36-38
Motor Rails.....	36
Paint Sprayers.....	40, 41
Planer.....	11
Polishing Heads.....	34
Pulleys, Belts, and accessories.....	39
Sanders and accessories.....	22
Shapers and accessories.....	4
Saw Blades for bench saws.....	5, 7
Spot Welders.....	26
Sprayers, Paint.....	40, 41
Tool Clips.....	17
Trestle Joints.....	38
Vises.....	33
Welders, Arc and Spot.....	26
Wood Working Lathes and accessories.....	12, 14-16
Work Benches.....	38

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CRAFTSMAN

REG. U. S. PAT. OFF.

10-INCH BAND SAWS FULLY ENCLOSED EXCLUSIVE SEARS DEVELOPMENT

When we set out to design these band saws we broke away from all that had gone before in order to give you features and operating advantages that no band saw has ever offered. They are in keeping with the age of streamlining. Note how the entire mechanism is enclosed. Even the saw 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. Built oversize in every way to give you better performance, more satisfaction. The $\frac{1}{4}$ -inch high quality Swedish steel blade is 63 inches long to permit cutting a full $4\frac{1}{4}$ -inch depth instead of the usual 4 inches. Wheels are $10\frac{1}{4}$ inches in diameter, making it easy to cut a full 10 inches between saw blade and frame. Check the features and specifications and you will agree with us that these are truly America's finest 10-inch band saws.

SPECIFICATIONS

TABLE: 10x10-inch, top smoothly ground. Soft metal insert protects blade. Supported on large tongue-type tractor 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, $28\frac{3}{4}$ inches; over-all width, $18\frac{5}{8}$ inches; depth, 10 inches.

CRAFTSMAN DeLuxe 10-Inch Band Saw

99 PM 2297—Without motor. Use $\frac{1}{4}$ -H.P. motor 99 P 5607, shown on Page 37. Shipping weight, 95 pounds. \$25.90

CRAFTSMAN Standard 10-Inch Band Saw

99 PM 2296—Standard model is exactly the same as the De Luxe 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 De Luxe model. Without motor. Use $\frac{1}{4}$ -H.P. motor 99 P 5607, shown on Page 37. Shipping weight, 95 pounds. \$19.95

This band saw is built like large production-type machine tools. Smooth, clean lines—all the mechanism fully enclosed—controls easily accessible—rigidity—safety features—all these are included. When you see it we believe you will agree that it is the outstanding power tool of the year.



FEATURES CRAFTSMAN DE LUXE MODEL

- Entire mechanism fully enclosed by heavy gray iron guard that hinges at the side and opens like a door. Ground surfaces permit tight fit when closed.
- Both wheels run on SKF ball bearings, two in each wheel, sealed and packed with grease. Their rated load capacity is 71 times greater than the load applied.
- Wheels are $10\frac{1}{4}$ inches in diameter, rubber faced for positive traction. Lower wheel is keyed to drive shaft.
- Depth of cut, $4\frac{1}{4}$ inches.
- Cuts to center of 20-inch circle.
- Table tilts to any angle up to 45 degrees on heavy tongue-and-groove type trunnion. Angle of cut indicated on scale.
- Upper wheel may be raised or lowered for adjustment of blade tension and may be tilted to make blade track correctly.
- All mechanism for adjustment is fully enclosed, but adjustments are easily made from outside of machine.

Band Saw Blades
For CRAFTSMAN 10-inch band saws. High quality saw steel. Widths, $\frac{1}{8}$, $\frac{1}{4}$ or $\frac{3}{8}$ in.; length, 63 in. State width. Shpg. wt., 6 oz.
9 P 2665 79c

Machine Stand
For your CRAFTSMAN 10-in. band saw. Strong and rigid; handy shelf. Specify 10x21x29 in. size. Shpg. wt., 32 lbs.
99 P 2719 \$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. Shipping weight, 1 pound 12 oz.
9 P 2264 \$1.60

Rip Fence
Improved and 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 when used with blades $\frac{1}{8}$ -inch wide. Shipping weight, 4 pounds.
9 P 2283 \$2.25

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

CRAFTSMAN

REG. U. S. PAT. OFF.

12-inch Ball Bearing Band Saw Has Greater Capacity

\$31⁵⁰

Without Motor

- Equipped with precision type SKF ball bearings for long life and smooth, silent operation.
- 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.
- 12½ x 12-in. well ribbed table—smoothly finished—18 x 12-in. with wood extension.
- Handles stock up to 6 inches thick.
- 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, positive 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 \$31.50

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 37.

Shipping weight, 135 pounds \$41.25

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 1/8, 3/16, 1/4, 3/8 or 1/2 inch. Specify width wanted. \$39c

9 P 2668—78-Inch 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 1/2-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. Specify 10x21x29-in. size. Shpg. wt., 32 lbs.

99 P 2719 \$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. Shpg. wt., 1 lb. 12 oz.

9 P 2264 \$1.60

CRAFTSMAN

REG. U. S. PAT. OFF.

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

- High quality 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 finer, more exact work.
- Head design maintains constant clearance between wheel and guard.
- Rubber-faced machined wheels, carefully balanced.

\$86⁵⁰
Less Motor and Base

\$125.00 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.

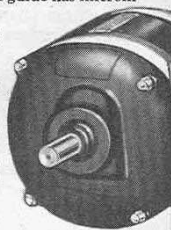
BALL BEARING SAW GUIDES: Right member of each guide has micrometer adjustment, gives hairline accuracy in cutting. Ball bearing takes the thrust of the saw blade, insuring easy operation and long blade life. Angle of lower right hand guide makes it possible to set guide very close to underside of table.

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.



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

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, 2½-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 \$86.50
99 PM 2318—Heavy gray iron base for 99 PM 2301 band saw. Shipping weight, 125 pounds. \$13.50
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 36. Shipping weight, 503 pounds. \$125.00

COMPANION Band Saw Blades

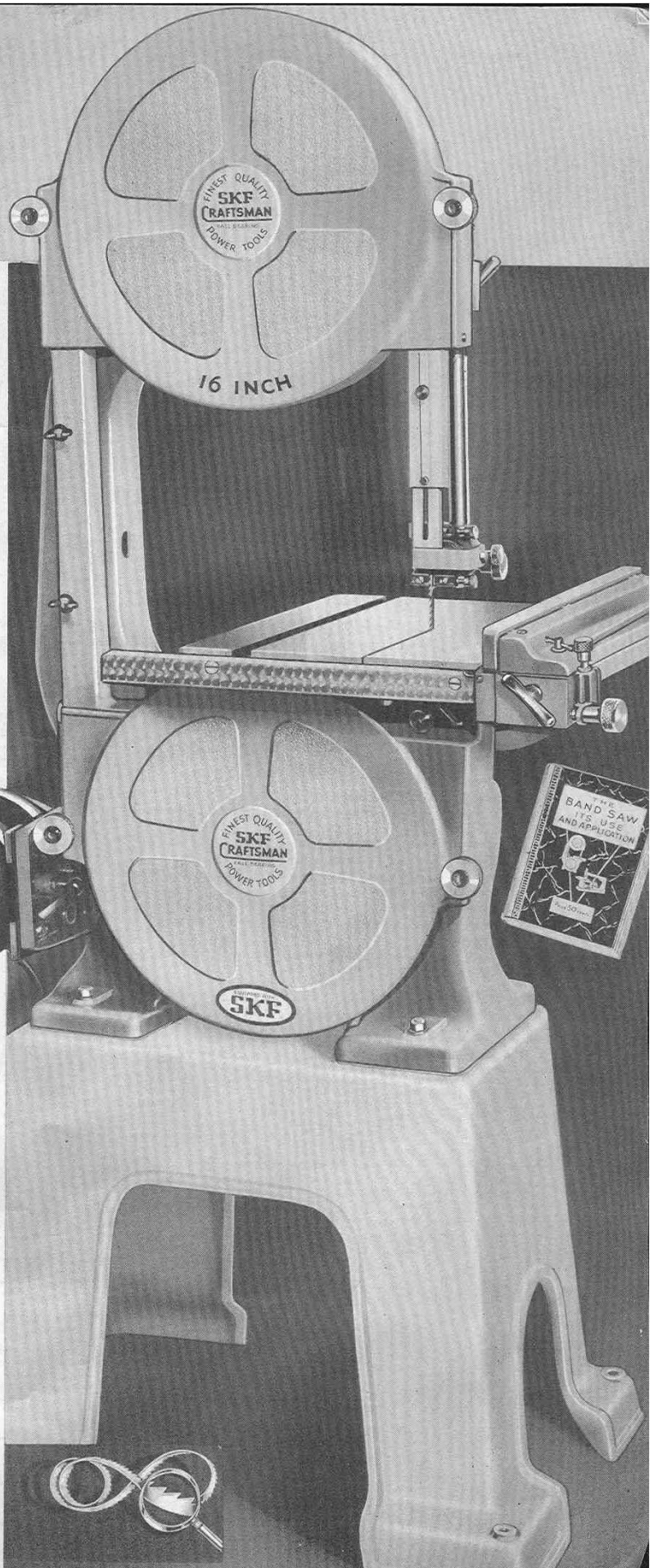
For 16-inch band saw. Made of very finest quality saw steel, carefully tempered, set, and brazed. We recommend the ¼-inch blade for resawing. Length, 114¼ in. Specify width blade wanted. Shpg. wt., each, 8 oz.

- 9 P 2659—COMPANION Blade, ¼ or ½ 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 ⅜ ½ ⅝ ¾ 1 1¼ 1½
Shpg. wt., foot. 1 oz. 1 oz. 1 oz. 1 oz. 2 oz. 2 oz. 3 oz. 3 oz.
9 P 2669—Per ft. 9¢ 12¢ 14¢ 15¢ 17¢ 20¢ 24¢ 28¢





CRAFTSMAN SHAPERS . . . New! Improved!

- Fixed spindle construction—table moves up and down.
- Bevel gears raise or lower table for adjusting cut.
- 3/4-inch diameter ground steel spindle.
- Extra large deep groove SKF ball bearings.
- Coordinate type clamps lock table in position.
- Extra large ground table.
- Table insert for drum sanding.
- Heavy duty enclosed base provides rigid, vibrationless foundation.
- No adapters required for either the 1/16-inch or 1/2-inch hole cutters. No need to remove or invert spindle.
- Two sawdust chutes provided—one on fence and the other beneath the table.
- New design shaper fence provides maximum safety.
- Fence depth scale is graduated from 0 to 1/2-inch in 1/16-inch divisions.
- Convenient knob easily and accurately controls fence feed adjustment.

Outstanding in Quality . . . Value . . . Performance!

An unbelievable price for such fine quality! Not as large as shaper at right and does not have motor mounting and motor pulley guard, but has all the other outstanding features mentioned above. A real buy!

Specifications: Table size, 11 in. x 15 in.; spindle speed, using 3450 R.P.M. motor, 9200 R.P.M.; spindle diameter, 3/4 in.; bearings, 2 extra heavy duty 3/4-inch bore SKF ball bearings; table travel, 2 in.; over all length of fence, 23 in. Over all dimensions: minimum height, 14 in.; maximum height, 16 in.; width, 16 in.; length, less motor, 23 in. Motor requirements, 1/2-H.P. 3450 R.P.M. motor. (see Page 37). Shipping weight, 75 pounds.

99 PM 2308—With belt. \$19.95

Amazing accuracy—smoothness of operation—freedom from wear through years of service! No small change in design or addition of a gadget could be responsible for so great an improvement as these two new shapers. It took a radically new design—new from the ground up—and Sears did it! Instead of the spindle and bearing moving to adjust the cutter height, the table moves up and down, thus allowing the spindle and bearing assembly to be mounted solidly in the frame. That's why these shapers will turn 12,000 R.P.M. smoothly and easily. This construction means reduced wear—less vibration—finer work!

Table is firmly mounted, and is raised and lowered by means of gears and associated raising screw. A 2 3/4-inch diameter column carries table in its vertical movement and smaller rod prevents side movement. Large coordinate type wedges, actuated by convenient handle, lock table in any position. Table has slot for miter gauge, and tapped holes for starting pins and hold-down studs. Large table insert easily removed for drum sanding operations. Face of fence is adjusted for jointing operations by a screw feed actuated by a convenient hand knob, and may be locked in any desired position by clamping one cap screw. Graduated scale shows depth of cut.

Sears Best Shaper . . . The Finest Made!

The finest tool of its kind! Big—sturdy—accurate—dependable! Gray iron guard covers motor pulley and belt and prevents sawdust from falling into motor. Large table and built-in motor mount. Finest quality—materials—construction throughout!

Specifications: Table size, 15 in. x 21 in.; spindle speed, using 3450 R.P.M. motor, 9200 R.P.M.; spindle diameter, 3/4 in.; bearings, 2 extra heavy duty 3/4-in. bore SKF ball bearings; table travel, 2 in.; over all length of fence, 23 in. Over all dimensions: minimum height, 16 in.; maximum height, 18 in.; width, 16 in.; length, with motor, 28 in. Motor requirements, 1/2-H.P. 3450 R.P.M. motor; (see Page 37). Shipping weight, 105 pounds.

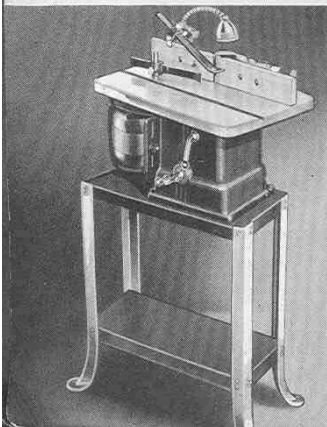
99 PM 2309—With belt, motor mounting, and hold-downs. \$32.50

EASY PAYMENT TERMS on orders amounting to \$20.00 or more. See Inside Front Cover for full details.

LOWEST PRICES ON FINE QUALITY CUTTERS

9 P 2319 Fits 1/2-in. spindle 80c	9 P 2321 Fits 1/2-in. spindle 80c	9 P 2323 Fits 1/2-in. spindle 95c	9 P 2325 Fits 1/2-in. spindle 95c	9 P 2327 Fits 1/2-in. spindle 95c	9 P 2329 Fits 1/2-in. spindle 95c	9 P 2331 Fits 1/2-in. spindle 95c	9 P 2333 Fits 1/2-in. spindle 95c
9 P 2335 Fits 1/2-in. spindle 95c	9 P 2365—Tongue and groove. Fits 1/2-in. spindle. Shipping weight, 10 ounces. \$1.85	9 P 2340 Fits 3/8-in. spindle 59c	9 P 2342 Fits 3/8-in. spindle 59c	9 P 2344 Fits 3/8-in. spindle 59c	9 P 2350 Fits 3/8-in. spindle 59c		
9 P 2354 Fits 3/8-in. spindle 59c	9 P 2356 Fits 3/8-in. spindle 59c	9 P 2359 Fits 3/8-in. spindle 59c	9 P 2362 Fits 3/8-in. spindle 59c	9 P 2367 Shaper collars Fit 1/2-inch spindle. . . \$1.29	9 P 2368 Shaper collars Fit 3/8-inch spindle. . . 39c	9 P 2465 Cutter lock nut. Fits 1/2-in. spindle. Shpg. wt., 1 oz. 7c	

Shipping weight, collars and cutters, 4 ounces each unless otherwise specified.



COMPANION Machine Stand

Mount your heavy duty shaper on this sturdy, all-metal stand. Extremely strong and rigid. Specify 10x21x31-in. size. For description see Page 38. Shipping weight, 33 pounds.

99 P 2719. \$4.85

COMPANION Tool Light

Clamps on shaper and gives you plenty of light right where you want it. Complete with 15-inch flexible neck, reflector, cord and plug. See Page 33. Shpg. wt., 1 lb. 12 oz.

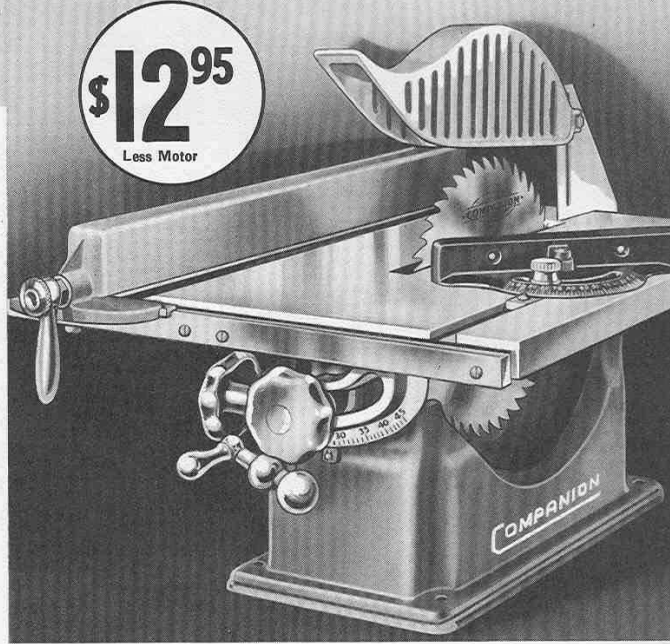
9 P 2264. \$1.60

COMPANION

REG. U. S. PAT. OFF.

7-INCH BENCH SAW

\$12⁹⁵
Less Motor



- New type auto-lubricating bronze bearings.
- 7-in. diameter combination saw blade included.
- Depth of cut from 0 to 2 1/4 inches.
- Depth of cut easily adjusted by ball crank and gear mechanism, which raises and lowers table.
- New depth gauge makes depth of cut adjustment more accurate.
- Table size, 10x14 3/4 inches.
- Table tilts to any angle from 90° to 45° with adjustable stops for both positions.
- Angle cut gauge shows angle clearly, precisely.
- Operating mechanism completely enclosed.
- Fitted with removable insert for daddling.
- Ripping fence is rugged and accurate.
- Equipped with miter gauge and safety guard.
- Rip fence bars and all control handles chromium plated; table is ground to smooth finish.

Craftsmen! Looking for excellent quality in a medium-size bench saw? Here it is—an outstanding value! It has all the features found in saws selling at much higher prices—can handle most any job. Depth and angle of cut gauges make for greater accuracy and ease of control; chromium-plated control handles and rip fence bars give it greater beauty.

You'll take pride in adding this sturdy, efficient tool to your shop. It cuts through the toughest, hardest wood with ease. It has a full 2 1/4-inch depth of cut, operates at 3500 R.P.M. Like all of Sears power tools, it is remarkably free from vibration. Add an extension table at small cost and you'll have a machine that can handle really big jobs—jobs that ordinarily would overtax the capacity of a larger bench saw.

BASE: Husky one-piece casting of semi-steel, accurately machined and rigidly braced for maximum strength.

BEARINGS: Latest type auto-lubricating bronze bearings that filter all oil supplied to the saw arbor. They seal the journals against particles of foreign material insuring long life and smoother operation.

SAW ARBOR: Extra quality steel, accurately machined. Will run true and is vibrationless under heaviest loads.

TABLE: Tilting type, 10x14 3/4 inches. Heavy non-warping semi-steel, carefully machined and highly polished.

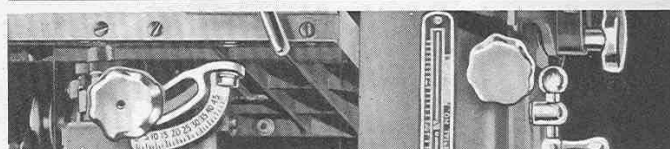
MITER GAUGE: Sturdy, quickly adjustable. Easily read scale simplifies adjustments.

RIP FENCE: Accurate, well made, self-aligning. "Stays put" when set. Can be used on either side of blade.

GUARD: Fully approved type; meets all safety codes. Ruggedly constructed—mounted on splitter and easily adjusted as to height.

Complete with 2-in. pulley on machine, miter gauge, guard, splitter and rip fence. Shipping weight, 45 pounds.

- 99 PM 2232—Without motor..... \$12.95
- 99 PM 2234—As above with 1/2-H.P. 110-volt 60-cycle A.C. COMPANION Ball Bearing Motor. Shipping weight, 69 pounds..... \$22.70



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

The table gauge shown above enables you to quickly adjust table to any desired angle. Accurately calibrated pointer shows exact angle of tilt. Large hand knob clamps table securely in desired position.

Ball crank handle raises and lowers entire table—thus changing depth of cut of blade. Exact depth of cut shown on scale. Large hand knob clamps table securely in position desired.



COMPANION Cut-Off Saw
7-in. diam. Special analysis saw steel; heat treated and properly hardened. Hand set and filed. 1/2 or 3/8-in. center hole. Specify hole size. Order 1/2-in. hole if used on 99 PM 2232. Shpg. wt., 11 oz.
9 P 4921..... \$1.00

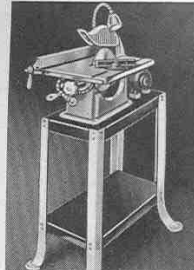
7-In. COMPANION Combination Saw
Really 3 saws in 1. Specially designed for cross cutting, ripping or mitering. Hand set and filed. 1/2 or 3/8-in. hole. Specify 7-inch diameter and hole size wanted. Order 1/2-in. hole if wanted for 99 PM 2232 saw. Shipping weight, 10 ounces.
9 P 4936..... \$1.00

COMPANION 4-In. Dados
2 outside saws, 6 chippers. 1/2-in. hole. Shipping wt. 15 oz.
9 P 4887..... \$2.35
9 P 4883—Outside Dado Saw only. Shpg. wt., 6 oz..... 50c
9 P 4880—Inside Chipper only. Shpg. wt., 3 oz..... 25c

RAFTSMAN 5 1/2-In. Dados
2 outside saws, 6 chippers. 1/2-in. center hole. Shpg. wt., 11 lb. 10 oz.
9 P 4888..... \$3.50
Specify 1/2-in. hole.
9 P 4884—Outside Dado Saw only. Shipping weight, 9 ounces..... 95c
9 P 4881—Inside Chipper only. Shpg. wt., 3 oz. 30c

Dust Collecting Outfit
Keep your workshop free of flying dust. Consists of dust guard (A) and sawdust chute (B) for attaching to base of your 7-inch bench saw. Dust bag collects sawdust, making this saw one of the very cleanest ever built. Shipping wt., 5 pounds.
9 P 2246..... \$1.35

Extension Table
Gives you much more working space. Front and 2 side extensions with all necessary fittings. Front extension fitted with slots for miter gauge. Will accommodate ripping fence. Easy to attach; increases saw top to 20x19 in. Shpg. wt., 10 lbs.
9 P 2247..... \$7.25



Machine Stand. Top, 10x21 in. Ht., 31 in. Specify size 10x21x31 in. Shpg. wt., 33 lbs.
99 P 2719..... \$4.85
Tool Light. 15-in. flexible neck. Over all length, 23 in. With clamp. Shpg. wt., 1 lb. 12 oz.
9 P 2264..... \$1.60

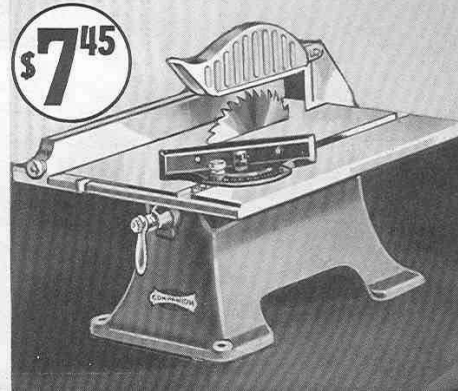
COMPANION 6-INCH BENCH SAW

- Auto-lubricated bronze bearings.
- 6-in. combination blade cuts miter joints. Depth of cut, 1 1/2 inches.
- Sturdy cast iron base. Over-all height, 10 1/2 inches; width, 11 inches. Length, 14 3/4 inches.
- Table, 10x12 3/4 inches, tilts to any angle up to 45 degrees.

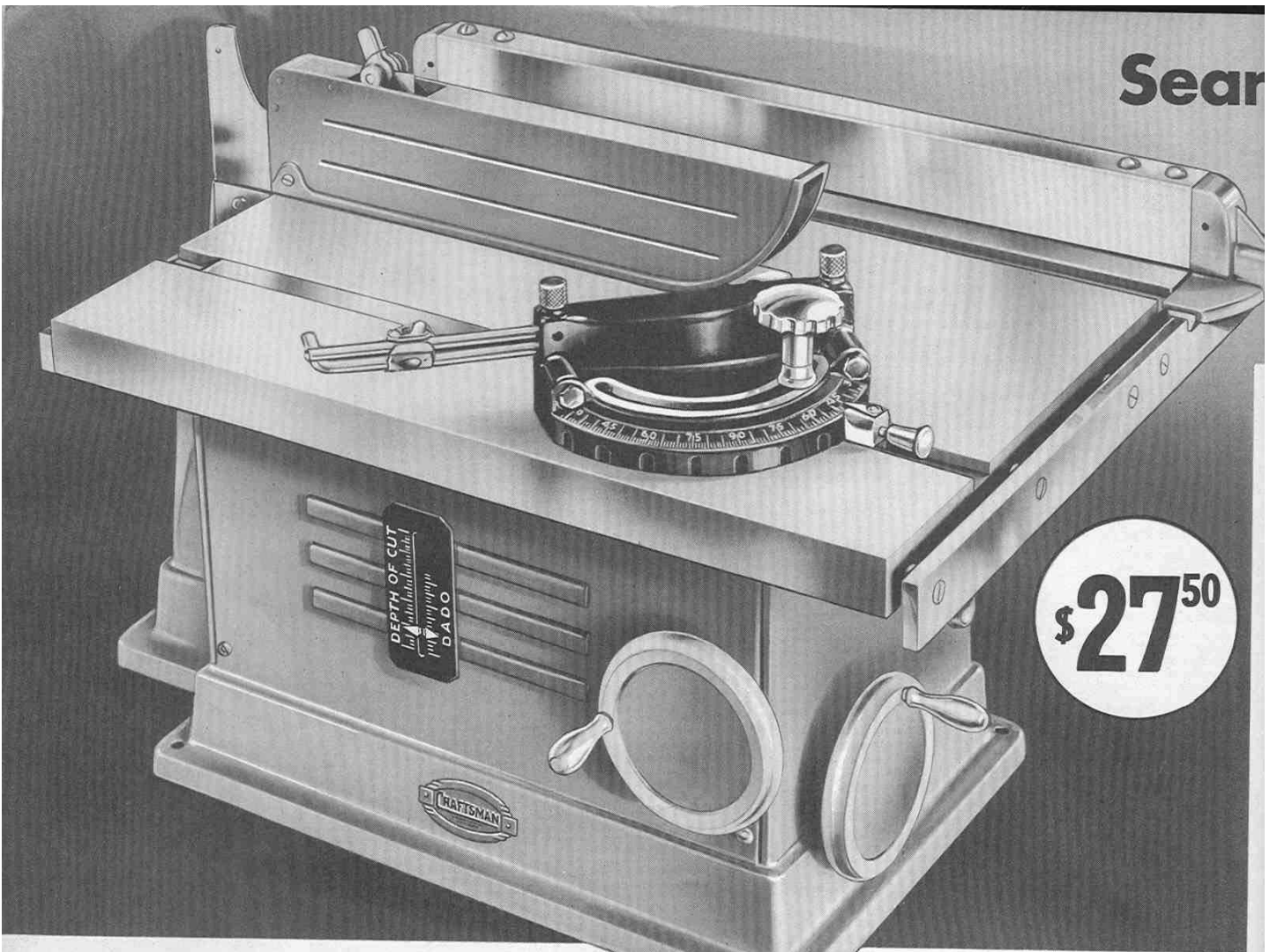
This 6-inch bench saw is a fine example of the values you will find throughout the COMPANION line. COMPANION tools are built to a quality standard—made of the finest materials, carefully machined, accurately assembled. At their price they have the largest capacity consistent with good workmanship. Check the specifications of this 6-inch bench saw—you'll be surprised at the quality features we include. The saw arbor revolves in auto-lubricating bronze bearings, sealed against dust and dirt. Miter gauge is included for cutting-off operations. Rip fence is rigid. Saw guard and splitter make for utmost safety. Table is gray iron ground to a high finish. Table tilts to any angle up to 45 degrees and has adjustable stops at 90 and 45 degrees. Shipping weight, 24 pounds.

99 P 2226..... \$7.45

\$7⁴⁵



Sears



\$27⁵⁰

CRAFTSMAN 8-INCH BALL BEARING BENCH SAW

REG. U. S. PAT. OFF.

Top-Notch Quality • Performance • Workmanship

Professional and amateur craftsmen all over the country have long wanted a truly BETTER bench saw at a moderate price. This new tool is Sears answer to that demand—an 8-inch bench saw with amazingly fine workmanship, design, accuracy, and smoothness of operation. It took engineering of the highest caliber to build it—to build it right—and sell it at this low price. Only Sears, the largest distributor of power tools in the world, could do it!

Notice the many outstanding features—the rugged strength—the fine quality in every detail of construction. We sincerely believe you can't match it for value and performance. The surface of the large and rugged table is smoothly ground. The hole for dado insert is machined to insure a very accurate fit. Miter gauge slots are carefully machined on each side of saw. Saw blade and arbor are mounted on precision **SKF** ball bearings packed in grease and sealed against dirt and sawdust.

The 8-inch blade gives a full 2½-inch depth of cut. It can be raised and lowered to any position for any desired depth of cut, or for dado work. The table may be tilted

to any desired angle up to 45 degrees, with the angle of tilt accurately shown on an easily read scale. It locks securely in any position, and has removable insert for dado work.

The guard is new in design and construction—far more convenient in operation than other types. It is equipped with a splitter and a set of kick-back dogs which keep the work from kicking back. Controls are equipped with accurate gauges—indicating depth of cut, depth of dado cut, angle of tilt of table, and angle of miter gauge. The dado saw depth of cut scale is a new feature which you will find very useful.

It has all the convenience—all the quality—all the features you'd want in a truly fine bench saw. It's built to last—to give years and years of utmost satisfaction in YOUR workshop. Shipping weight, 98 pounds.

99 PM 2222—CRAFTSMAN 8-inch Bench Saw complete with indexing miter gauge, fence and guard. Without motor.....\$27.50

99 PM 2224—Same as above, with 99 P 5586 ½-H.P. 110-volt 60-cycle capacitor type motor described on Page 37, ½x42-inch V belt and 4-inch motor pulley. Shipping weight, 126 pounds.....\$43.00

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

Challenge the Field with the Finest Bench Saw Ever Offered at This Price

- 8-inch combination saw blade gives 2½-inch depth of cut. May be raised and lowered.
- Large table, double grooved for miter gauge. Miter gauge indexed for important angular positions.
- Table tilts to any desired angle up to 45 degrees on heavy trunnions. Angle shown on gauge.

- Equipped with precision SKF ball bearings.
- Rip fence locks at both ends. Width of rip shown on gauge on rip fence support bar.
- New type guard complete with splitter and positive action kick-back pawls.
- Blade may be raised and lowered as desired.

SPECIFICATIONS

TABLE: Heavy and well ribbed with smoothly ground finish. Size, 15¼x18⅝ inches. With extensions shown at right, 26½x24⅝ inches. Recess for dado is carefully machined for perfect fit.

DISTANCE IN FRONT OF BLADE: 8 inches. With extensions, 13½ inches.

TABLE MOUNTING: Extra large tongue and groove type trunnions.

TABLE TILT: From 0 to 45 degrees. Controlled by hand wheel and self locking screw. Table can also be manually locked if desired.

ARBOR: Mounted in heavy pivot housing equipped with two sealed precision SKF ball bearings packed in grease. Arbor housing is mounted on pivots in an adjustable housing on base for perfectly aligning the saw with the protractor slots in the saw table.

BLADE: High quality 8-inch combination type; ½-inch hole.

DEPTH OF CUT: 2½ inches. Blade may be raised and lowered by hand wheel with self locking screw mechanism.

DEPTH OF CUT SCALE: Graduated in 16ths of an inch. Separate scale and pointer indicate depth of cut for 5½-inch dado cutters.

GUARD: Automatic leveling type, mounted on splitter. May be thrown back out of the way without removal from the saw.

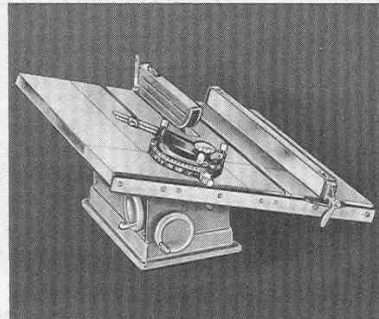
KICK-BACK DOGS: Mounted on splitter. Spring controlled; concealed within guard.

BASE: 10x18¾ inches; rugged gray iron casting.

OVER-ALL DIMENSIONS: 10⅞ inches high; 15¼ inches wide; 22 inches long.

RIP FENCE: Self-aligning. Grips at both ends of the table.

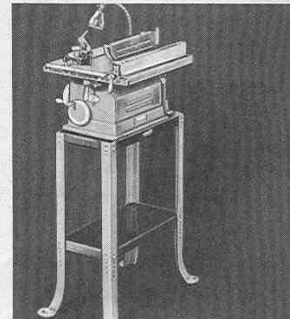
MITER GAUGE: Indexing type. Stops provided for important angular positions.



Extension Tables for Large Work

For bench saw No. 99 PM 2222. These table extensions are accurately made and carefully finished. They fit perfectly and provide a solid surface for work. Set includes 2 front extensions, two side extensions, and extension to lengthen rip fence. Front extensions are gray iron, ground and polished. Side extensions are steel. Easily fitted to your saw to give a total working area 26½ by 24⅝ inches. Complete with necessary support bars, bolts, fittings and long extension for rip fence. Shipping wt., 18 lbs.

9 P 2253..... \$8.95



Machine Stand

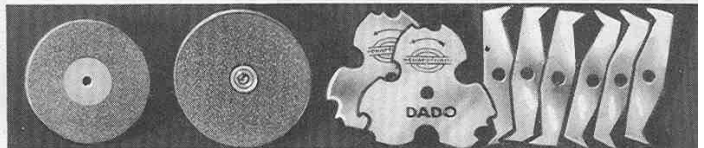
Strong and rigid all-steel stand. Top, 10x34 in.; 31 in. high. Specify 10x34x31 in. size. Shpg. wt., 36 lbs.

99 P 2713..... \$5.75

Tool Light

Clamps on saw. 15-inch flexible neck, reflector, cord and plug. Shipping weight, 1 pound 12 ounces.

9 P 2264..... \$1.60



Sanding and Cutting Discs

Specify ½-in. hole for saw shown on these 2 pages; and ¾-in. hole for saws shown on Pages 8 and 9.

9 P 2272—High quality 8-inch steel sanding disc wheel. State bore. Shpg. wt., 4 lbs..... \$1.60

9 P 2273—Six 8-in. sanding discs, coarse and fine, for above wheel. Shpg. wt., 10 oz..... 45c

9 P 6470—8-in. metal cutting wheel, ½ in. thick. State bore. Shpg. wt., 1 lb. 14 oz..... \$1.10

CRAFTSMAN

5½-Inch Dado Saws

9 P 4888—Complete. 2 outside saws; 6 chippers. ½-in. hole. For saw shown on these 2 pages. Shpg. wt., 1 lb. 8 oz..... \$3.50

9 P 4889—As above, but ¾-in. hole for saws on Pages 8 and 9. Shipping weight, 1 pound 8 ounces..... \$3.50

On following items specify ½-in. hole for saw shown on these 2 pages, and ¾-in. hole for saws shown on Pages 8 and 9.

9 P 4884—Outside Dado Saw only. Specify size. (See above.) Shpg. wt., 9 oz. 95c

9 P 4881—Inside Chipper only. Specify size. (See above.) Shpg. wt., 3 oz..... 30c



CRAFTSMAN and FULTON Circular Saws

CRAFTSMAN SAWS—Made of special analysis saw steel, properly tempered and hardened. Carefully inspected to insure perfect balance and trueness. Proper tension given by highly skilled saw makers makes the face smooth as glass and gives proper rigidity. Hand set and filed, ready for use. America's finest circular saws.

FULTON Saws—Made of high carbon saw steel, properly heat treated and hardened. Hand set and filed, ready for use. Meets the demand for a better low priced saw. Value that's way ahead of the price.

Combination Saws

Handiest of all circular saws because they are specially designed for cross cutting, ripping or mitering. **COMPANION plain tooth saws** and **FULTON flat ground saws** are set and filed and cut fast and easy in all woods. **CRAFTSMAN hollow ground saws** are made from special analysis saw steel, tempered and hardened. Hollow grinding allows them to run without set, leaving your work with an exceptionally smooth finish.

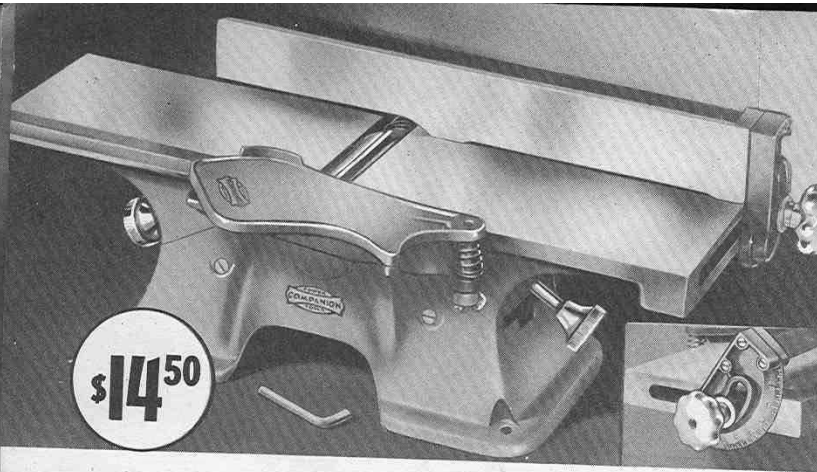
Diameter, Inches	Gauge	Center Hole, In.	Revolutions Per Minute	Shpg. Wt.	CRAFTSMAN		FULTON		COMPANION Comb. Plain Tooth 9 P 4936	CRAFTSMAN Comb. Hollow Ground 9 P 4939	FULTON Comb. Flat Ground 9 P 4938
					Cut-off 9 P 4927	Rip 9 P 4928	Cut-off 9 P 4923	Rip 9 P 4924			
6	18	½ or ¾	4000	8 oz.	\$1.49	\$1.49	\$0.95	\$0.95		\$2.55	\$1.00
7	18	½ or ¾	3500	12 oz.					\$1.00	2.95	1.19
8	18	½ or ¾	3500	1 lb.	2.19	2.19	1.39	1.39	1.45	3.25	1.45
10	16	¾ or 1	3500	1 lb. 12 oz.	2.75	2.75	1.80	1.80		4.25	1.85

We stock center hole sizes listed above but supply any size up to 2 inches without extra cost.

COMPANION

REG. U. S. PAT. OFF.

4 1/4-IN. JOINTER-PLANER



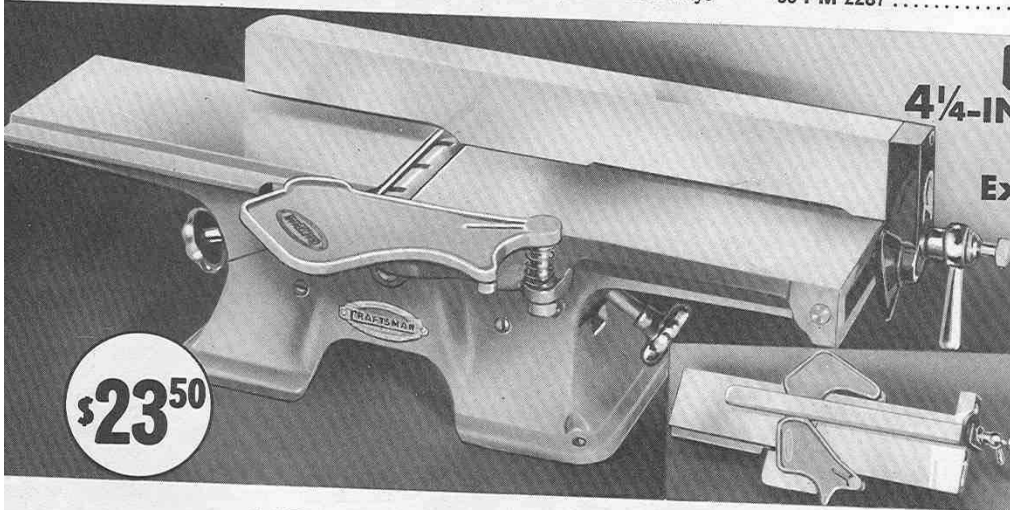
- Extra large **SOLID STEEL** 4 1/4-inch cutter head. Carefully balanced for smoothness at high speeds. (We know of no other jointer selling for less than \$20.00 which has a solid steel head.)
- Fitted with auto-lubricating bronze bearings.
- Three high-speed steel cutters retain their sharp, easy cutting qualities for long periods.
- Sturdy frame is well machined and unusually rigid.
- Micromatic control for depth of cut with accurate scale for easy quick adjustment.
- Finely graduated scale on fence. (see inset at left.)

Great popularity with craftsmen all over the country! Tremendous sales! And Sears great distribution facilities! These are the factors which make possible the sale of so fine a jointer at so low a price! This jointer-planer gives woodworkers a greater degree of accuracy and safety than any similar tool offered at anywhere near this price. Do not confuse this sturdy 4 1/4-inch machine with lighter 4-inch tools. The solid steel cutter head itself is enough to convince the experienced craftsman that this is a quality tool. It's a tool that will give you years of fine, satisfactory service.

The carefully ground tables operate on accurately machined ways

that insure perfect relationship of both tables for all depths of cut. Tables are ground after assembly to insure perfect alignment. Total length of tables, 21 3/8 inches. Guard need never be removed even for rabbeting. Can easily be lowered and swung under the rabbeting ledge out of the way. Both front and rear tables are fully adjustable. The fine quality auto-lubricating bronze bearings are unusually large. New fence regulating mechanism permits quick adjustments for angle cuts. Oversize 4 1/4-inch steel cutter head easily handles 4-inch lumber in the rough. Net weight, 38 pounds. Shipping weight, 44 pounds.

99 PM 2287 \$14.50



CRAFTSMAN

REG. U. S. PAT. OFF.

4 1/4-IN. JOINTER-PLANER

Ball Bearing Extra Long Table

This new machine was designed for the experienced craftsman who wants the smoothness and long life of ball bearing construction coupled with the accuracy of extra long tables and the convenience of our improved fence design. It represents the fine CRAFTSMAN quality construction adapted to a 4 1/4-inch jointer.

NEW! IMPROVED! THE LEADER IN ITS FIELD!

- **SOLID STEEL** 4 1/4-inch cutter head runs in accurately fitted **SKF** ball bearings that are fully enclosed and dustproof.
- Extra long tables give better support to work. This means greater accuracy—finer workmanship.
- Two guards—one on each side of fence—mean greater safety for operator at all times.
- Greatly improved fence design—position and angle adjustment are accurate and operate independently of each other.
- Rugged gray iron frame is carefully designed, well machined, finely finished, and exceptionally strong and rigid.
- Three high-speed steel cutters keep their keen edges for surprisingly long periods under the hardest use.
- Depth of cut easily adjusted and shown on accurate scale. Both tables easily adjustable.
- Guard can be lowered and swung under rabbeting ledge.
- Over all length, 26 inches.

Tool Light

Clamps right on a tool or bench and stays "put." The flexible neck lets you bring the light right down to your work. An extra large reflector keeps the light out of your eyes. Shipping weight, 1 lb. 12 oz.

99 P 2264 \$1.60

Machine Stand

Mount your jointer-planer on this all steel stand. Has 10-inch x 21-inch top and is 31 inches high. Very strong and rigid. Legs are drilled for varying height. Heavy-gauge steel throughout. Top finished in lustrous black, legs in royal blue. Specify 10x21x31 inch size. Shipping weight, 33 lbs.

99 P 2719 \$4.85

This new tool is made for the craftsman who wants topnotch quality—accuracy—and convenience of adjustments. The tables are longer than we have ever offered in a 4 1/4-inch jointer. Full 26 inches over all. This machine has two guards, one on each side of the fence. The cutter head is always covered regardless of the fence position. This means safety across the table without affecting the angle. The ball bearing construction means smoother operation and longer life. Carefully ground tables slide on ways that are machined to close limits for permanent accuracy. Over all length, 26 inches. Width, 9 1/2 inches. Height, 8 1/2 inches. Shipping weight, 51 pounds.

99 PM 2290—Without motor \$23.50

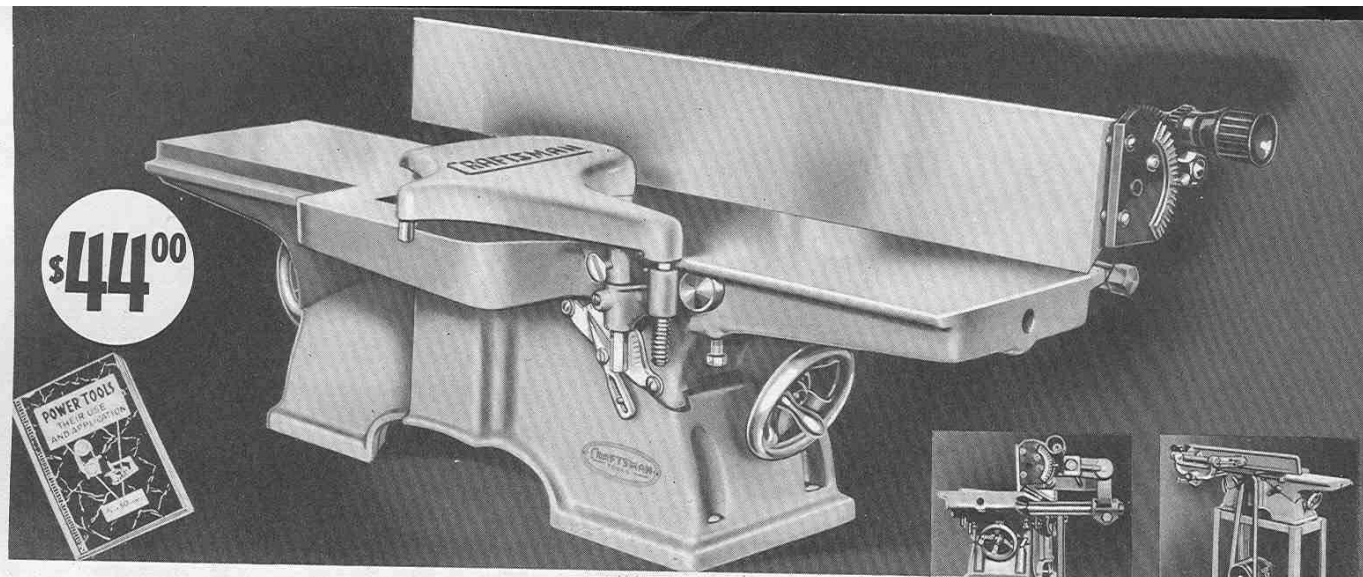
99 PM 2293—Same as above but with COMPANION 1/8-H.P. 110-volt 60-cycle ball bearing motor. Shipping weight, 81 pounds. \$33.25

4 1/4-Inch Jointer Knives

High speed tool steel blades that take a keen edge—and hold it! Finest quality! Set of three for either of the jointers on this page. Shipping weight, 7 ounces.

99 P 2291 \$2.10

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



CRAFTSMAN

REG. U. S. PAT. OFF.

6-INCH HEAVY DUTY JOINTER-PLANER

- Heavy duty SKF ball bearings enclosed in dustproof housings for lifetime service.
- Heavy gray iron frame. Accurately milled, ground, faced and polished. Extra large base.
- Solid steel cutter head, 2½ inches in diameter.
- Full 5/8-inch diameter steel shaft. Accurately machined. Fitted with balanced pulley.
- Both tables adjustable. Positive locks. Maximum depth of cut, 5/8-inch.
- Equipped with geared-type fence. Large, quick-acting guard. Accurate depth of cut scale.
- Tables move on dovetailed ways for maximum accuracy.

High speed! Heavy duty! One of the finest and most accurate power tools of its kind that money can buy! The rugged, carefully ground tables are controlled by conveniently located hand wheels and slide on dovetailed ways for permanent accuracy. The cutter head is made of solid steel, 6 inches long, 2½ inches in diameter, with knife slots ground in the shape of inverted wedges to assure accurate and positive locking of knives.

The fence is full 28 inches long and 4 inches high. Made of fine quality gray iron, precision ground. May be tilted either way by means of geared mechanism, the degree of tilt being clearly indicated on quadrant. An outstanding feature of this fence is that it may be moved as a unit across the table without changing its angle. The guard is ingeniously designed and quick acting. It provides full protection for the operator. It recedes from its closed position as work is fed to the cutter, the knives thus being covered either by the guard or by the work at all times. Guard may be dropped to one side of front table for rabbeting—never needs to be removed from tool. Protractor depth gauge indicates position of front table at all times. The movement of table is magnified by pointer, thus insuring closest accuracy. Over all dimensions: length, 37 inches; height, 13 inches; width, 13 inches. Shipping weight, 160 pounds.

99 PM 2288—CRAFTSMAN 6-Inch Heavy Duty Jointer-Planer complete with geared fence, high speed steel knives, pulley, motor pulley, belt and 72-page instruction book. Without motor. \$44.00

99 PM 2295—Same as above with 99 PM 5608 ½-H.P. Repulsion-Induction Motor shown on Page 37. Shipping weight, 195 pounds. \$64.00

JOINTER KNIVES—Made of finest quality high speed tool steel. Hold keen edge longer than most knives. Set of 3 for jointer-planer 99 PM 2288. \$3.35

9 P 2292—Shipping weight, 4 ounces. \$3.35

MACHINE STAND—For jointer-planer 99 PM 2288. Strong and rigid. Has 10x34-inch top; height, 31 in. See Page 38 for detailed description. Specify 10x34x31 inch size. \$5.75

99 P 2719—Shipping weight, 36 pounds. \$5.75

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

CRAFTSMAN THICKNESS PLANER

REG. U. S. PAT. OFF.

4-inch by 12-inch Capacity . . . Ball Bearing

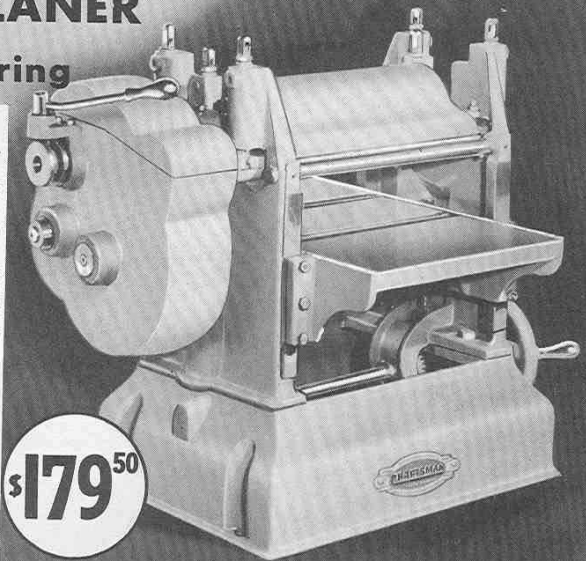
SEARS FINEST WOODWORKING TOOL

- Precision New Departure ball bearings.
- Feed rolls machined from solid steel.
- Cutter head machined from solid steel.
- Frame is heavy, well ribbed one-piece casting.
- Graduated scale shows depth of cut.
- Gibs provided to assure accurate alignment of table to head.
- Table is heavily ribbed, accurately planed one-piece casting.
- Chip breaker and pressure bar completely guard head and feed rolls.

Professional craftsmen! Amateur craftsmen! Schools! Pattern shops! Woodworking establishments! Here's REAL quality—SUPER QUALITY! Not a jointer—but a regular thickness planer that easily handles big production jobs as well as small and delicate work. Heavy duty construction. All the accuracy and fine performance of a mill planer. As dependable a woodworking machine as can be bought at any price!

Will plane material up to 12 inches wide and 4 inches thick—and as small as 6 inches long and 1/16-inch thick. Table is fitted to main frame by true machined ways. Adjustment is made with conveniently located hand wheel. Front infeed roll is fluted to insure positive feed. Rear feed roll is machined and turned smooth. Pressure rolls are equipped with compression springs, conveniently adjusted. Safety-type cutter head is 3¼ inches in diameter and fitted with three high-speed knives. Motor requirements vary from ½ to 2-H.P. depending on depth and width of cut, kind of wood, etc. Truly a fine tool that you will be proud to own. Shipped direct from factory in Southern Ohio and you pay freight from there.

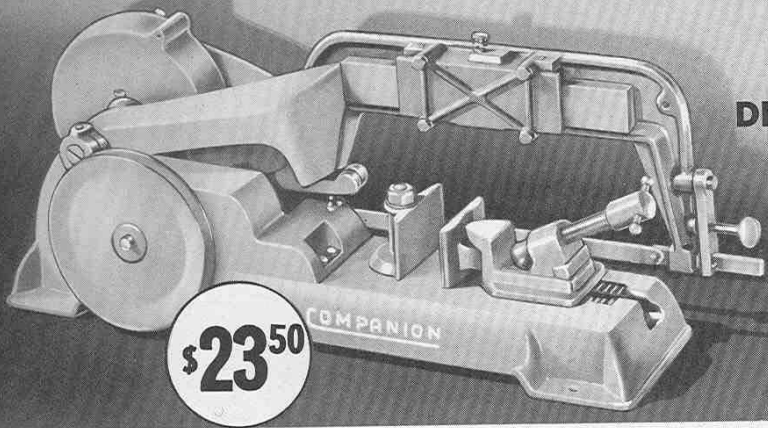
99 PM 2349—Shipping weight, 290 pounds. \$179.50



COMPANION

REG. U. S. PAT. OFF.

DRAW CUT POWER HACK SAW



\$23⁵⁰

Never Such Value in a Power Hack Saw

Such a tool as this was once too costly for general use—in spite of the great demand for it by factories, electricians, plumbers and craftsmen of all kinds. But now it's yours at a price undreamed of before—and **perfected** in quality and performance! Only close co-operation with the manufacturer, careful designing and thorough testing have made this possible.

Fully automatic in action, this tool permits you to finish other work while it completes its job accurately and unattended. It is a draw cut machine with an automatic relieving mechanism. The blade lifts from the work on the return stroke, increasing blade life and efficiency. Feature for feature, quality for quality this saw can be compared only with saws selling for several times its price. Shipping weight, 80 pounds.

99 PM 2294—Power Hack Saw..... \$23.50

9 P 6580—CRAFTSMAN 12-in. Power Blades. 14 teeth to the inch. 5/8 inch wide. Shipping weight, 1 pound 2 ounces. Per dozen 95c

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

- Fine design. Draw cut lifting mechanism to raise blade on back stroke.
- Easy to install work. Whole saw frame raises, leaving vise fully accessible.
- Heavy construction. Built to give years of reliable service.

SPECIFICATIONS

CAPACITY: 4 in. x 4 in. iron, steel, brass or bakelite, etc.

ANGLE OF CUT: Vise adjustable from 90 degrees to 45 degrees.

SAW FRAME: Takes any standard 12-inch blade. Raises out of the way when inserting new work.

SAW FRAME GUIDE: Heavy construction; frame is fitted with long life, ribbed, adjustable back plate.

SAW FRAME BEARINGS: Fitted with tapered adjusting screw to guarantee accurate saw alignment and true cutting of blade.

GEARS: Fine quality gray iron; accurately made, enclosed by guard.

BASE: Large and sturdy. Fine quality gray iron, accurately machined.

BEARINGS: Finest quality bronze; extra large for long life.

VISE: Stationary jaw has lock and swivel; movable jaw swivels to fit work and has quick action rack with lock.

PRESSURE BAR: Adjustable to correct pressure for material being cut.

ACTION: Draw cut; blade raises on return stroke.

LIFTING DEVICE: Broad faced cam and lever mechanism combined with adjustable twin dogs and rack mechanism accurately control lift of blade to produce a perfect draw stroke action.

BLADE TENSIONER: Screw and lever type; quick acting and accurate.

COMPANION WOOD TURNING LATHE

Sturdy... Efficient

Here is a remarkable combination of handy size coupled with top quality and advanced performance! Check the features and you'll agree it's built right. This compact lathe will handle work up to 25 inches between centers and up to 8-inch diameter. Equipped with a heavy 5/8-in. machined spindle... auto-lubricating bronze bearings... better cup and spur centers... a headstock designed like those on large production lathes... a tailstock of equally modern design... and all parts are carefully fitted together to keep the lathe running with smooth efficiency for a long time. Ball thrust bearing, 6-inch tool rest and all fittings as illustrated. The finest lathe at anywhere near its price. Use 1/4 or 1/2 H.P. motor. Shipping weight, 22 pounds.

99 P 2013.....\$5.45

8-inch Swing.. 34-inch Bed

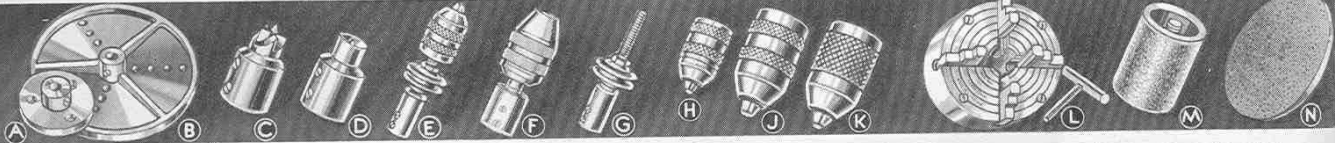
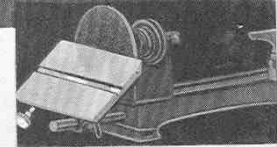


\$5⁴⁵

Lathe Sanding Attachment

Do accurate and thorough sanding or grinding. Complete with tilting table, for use on lathe above. Use with sanding disc 9 P 2158 below. Shipping wt., 6 lbs. 8 oz.

9 P 2214.....\$2.70



Face Plates

For number 99 P 2013 or any other lathe with 5/8-in. plain spindles. Carefully machined and balanced.

A 9 P 2080—3-in. Shipping weight, 7 ounces..... 80c
 B 9 P 2081—6-in. Shipping weight, 14 ounces..... \$1.19

Spur Center

For number 99 P 2013 or any other lathe with 5/8-in. spindles. Removable center. Shipping weight, 6 ounces.

9 P 2105..... 65c

Cup Center

Carefully made, hardened steel cup center for tailstock of lathe. Replaceable center pin. Fits any 5/8-in. spindle. Shipping weight, 6 ounces.

9 P 2102..... 65c

Work Arbor

Fits 1/2 or 5/8-in. spindle. Has finely faced steel collars for grinding or buffing wheel, and well made 3-jaw 1/2-inch chuck. State 1/2 or 5/8-in. spindle. Shipping weight, 1 lb. 10 oz.

9 P 2118..... 95c

1/2-Inch CRAFTSMAN Drill Chuck and Arbor

Carefully made 3-jaw steel chuck with adapter, for all lathes or motors with 1/2-in. or 5/8-in. spindles. High grade, accurately ground. State 1/2 or 5/8-in. spindle. Shpg. wt., 1 lb. 6 oz.

9 P 2140..... 95c

Work Arbor

Same as 9 P 2118, above, but without chuck. Has finely faced steel collars to clamp grinding or buffing wheel. State 1/2 or 5/8-in. spindle.

9 P 2120—Shpg. wt., 15 oz..... 45c

3-Jaw Chucks

These 3-jaw chucks are accurately machined to run true. Nicely finished. Far superior to ordinary chucks. Fit 1/2-inch 24-thread per inch spindles.

H 9 P 2130—1/4-inch capacity. Shipping weight, 5 ounces..... 29c

I 9 P 2132—1/2-inch capacity. Shipping weight, 12 ounces..... 55c

J 9 P 2134—1/2-in. capacity. Ground finish. Shipping weight, 1 pound..... 75c

L 4-Jaw Independent Chuck

4-inch capacity; reversible jaws. Well made, nicely machined. Fits any lathe with 5/8-inch spindle. Shipping weight, 3 pounds 12 ounces.

9 P 2136.....\$4.75

M Drum Sander

Accurately made. Complete with sleeve and adapter. Fits 1/2-in. x 24 threaded shaft. Shipping weight, 12 ounces.

9 P 2520..... 98c

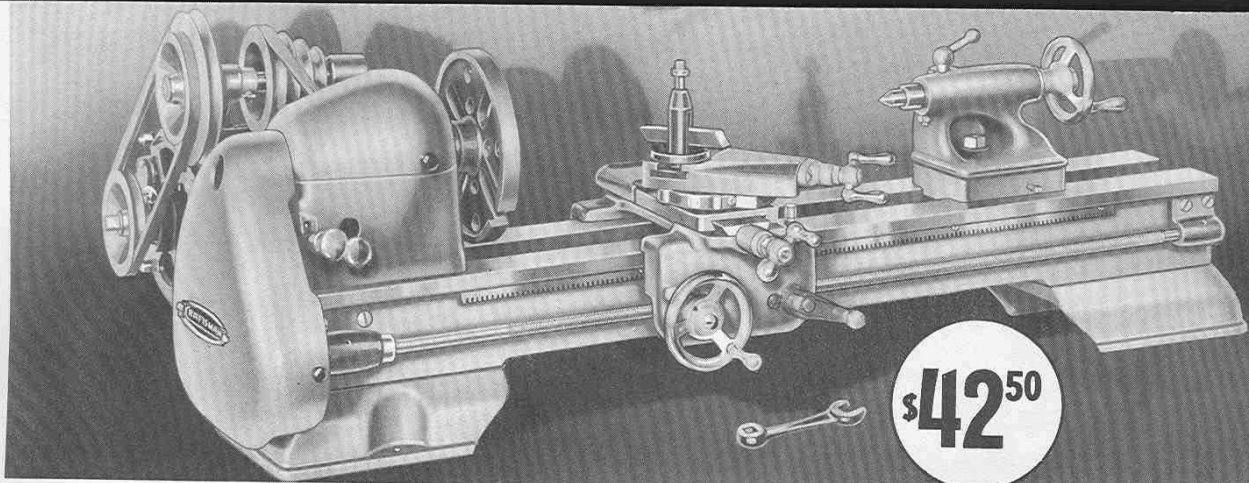
9 P 2522—Sanding sleeve for above drum. Fine, medium or coarse. State grit wanted. Shipping weight, 2 ounces. Each..... 10c

N Sanding Discs

Carefully machined and balanced aluminum discs fitted with sandpaper. Fit only 5/8-in. spindle.

9 P 2158—6-inch. Shipping wt., 12 oz..... \$1.19

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



CRAFTSMAN

REG. U. S. PAT. OFF.

PRECISION MODEL MAKERS' LATHE .. 6-inch Swing .. 30-inch Bed

FEATURES

- Massive, precision ground, semi-steel bed rigidly cross-braced and mounted on heavy gray iron legs.
- Ground steel spindle runs in auto-lubricating bronze bearings that are adjustable.
- Ball thrust bearing takes spindle thrust.
- Spindle pulley has 60 indexing holes.
- 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 handwheel for manual operation and feed lever for automatic feeds.
- Tailstock has set-over for taper turning.
- Compound rest swivels through 360 degrees and is graduated from 0 to 180 degrees by one degree dimensions.

Thousands of craftsmen and model makers have wanted just such a lathe as this—a real precision metal working lathe at a moderate price. Smaller in capacity than our larger CRAFTSMAN screw cutting lathes but matching them in accuracy, precision and performance. It is guaranteed accurate to within one thousandth of an inch. Check the features and specifications and compare them with any others at anywhere near this price.

The massive bed is precision ground and designed for years of hard service. The ground steel spindle runs in adjustable auto-lubricated bronze bearings while a ball thrust bearing takes the end thrust. Both the countershaft and motor mounting are built as part of the lathe itself. Quick release is provided for belt tension. The lead screw reverse is mounted at the left end of the headstock. Spindle pulley and feed gears are completely covered by hinged guards. Compound rest, carriage, etc., are fully gibbed for take up. Change gears are available to cut from 8 to 96 threads per inch. Equipment includes graduated compound rest, tool post, ring and rocker, $\frac{3}{8}$ -in. tool bit, countershaft, motor pulley, belts, face plate, dog, two 60-degree lathe centers and wrench. Chucks and centers for lathe 99 PM 2019 shown on Page 14 will also fit this lathe. We recommend $\frac{1}{2}$ H.P. motor No. 99P5607 on Page 37.

Shipping weight, 95 pounds.

99 PM 2045—CRAFTSMAN Model Makers' Lathe Less motor . . . \$42.50
 9 P 2046—Set of threading gears for above lathe to cut 8 to 96 threads per inch. Shipping weight, 4 pounds. \$3.95

SPECIFICATIONS

Swing over bed: 6 inches.
 Maximum distance between centers: 18 inches.
 Swing over carriage: $4\frac{1}{4}$ inches.
 Length over-all: 36 inches.
 Height over-all: $11\frac{1}{2}$ inches.
 Depth over-all: (including motor): 24 inches.
 Hole through spindle: $\frac{3}{8}$ -inch.
 Spindle nose: $\frac{3}{4}$ -inch diameter; 16 threads per inch.
 Taper in headstock and tailstock spindle: No. 1 Morse.
 8 speeds: 365, 550, 820, 940, 1250, 1925, 2125 and 3225 R.P.M.
 Lead screw: $\frac{1}{2}$ -inch; 16 threads.
 Feeds: .0026 and .0052 per inch.
 Thread range: Change gears available to cut 8 to 96 threads per inch.
 Spindle and countershaft bearings: Oilless bronze with take-up.
 Tailstock ram: Graduated 0 to $1\frac{1}{2}$ in.
 Cross slide travel: 4 inches.
 Compound rest angular travel: $1\frac{3}{4}$ inches.

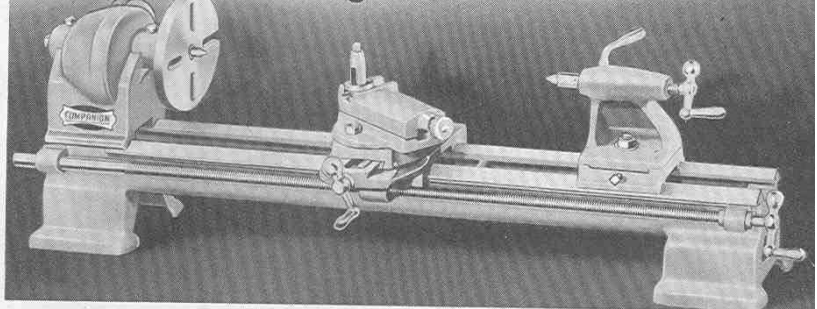
COMPANION METAL WORKING MODEL MAKERS' LATHE

REG. U. S. PAT. OFF.

Lowest Price We Know of for a Lathe of This Fine Quality **\$14.50**

- V-way lathe bed.
- Double bearing headstock has highest quality bronze bearings. Front bearing fully adjustable.
- Headstock and tailstock fitted with removable No. 0 Morse taper centers.
- Compound rest fitted with adjustable gibs and lock for angular adjustment.
- Tailstock may be set over.
- Full length feed screw insures smooth finish when turning long pieces.

6-inch Swing .. 28-inch Bed



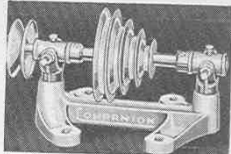
Well suited for the model maker or the man who wants to do light metal work. Not quite the accuracy and precision of the larger machines, but plenty close enough for most work. Moreover, the adjustments built into this lathe will help you to get very fine results. Built with the time proven features you want in your lathe. Spindle is threaded $\frac{1}{2}$ x24 threads per inch and is carried in double bronze bearing headstock. Knock-out centers are provided in headstock and tailstock. Lead screw carries ball crank handle for longitudinal feed of carriage. Cross feed and angular feed are gibbed for take up. Be sure you see this tool. We feel sure that you will agree that this is a real metal lathe at a very reasonable price. Use $\frac{1}{4}$ or $\frac{1}{3}$ H.P. motor.

Shipping weight, 28 pounds.

99 P 2021—COMPANION Model Makers' Lathe \$14.50

Accessories for Use With the Above Lathe

- 9 P 2788—3-step motor pulley. Specify $\frac{1}{2}$ -in. bore. Shpg. wt., 1 lb. 50c
 - 9 P 2137—3-in. 4-jaw independent chuck. Shipping weight, 3 pounds. \$3.75
 - 9 P 2108—No. 0 Morse taper spur center. Shipping weight, 3 oz. 49c
 - 9 P 2109—No. 0 Morse taper cup center. Shipping weight, 3 oz. 49c
- For tool bits see 9 P 2205, Page 19; sanding disc, 9 P 2525 on Pages 20-21.



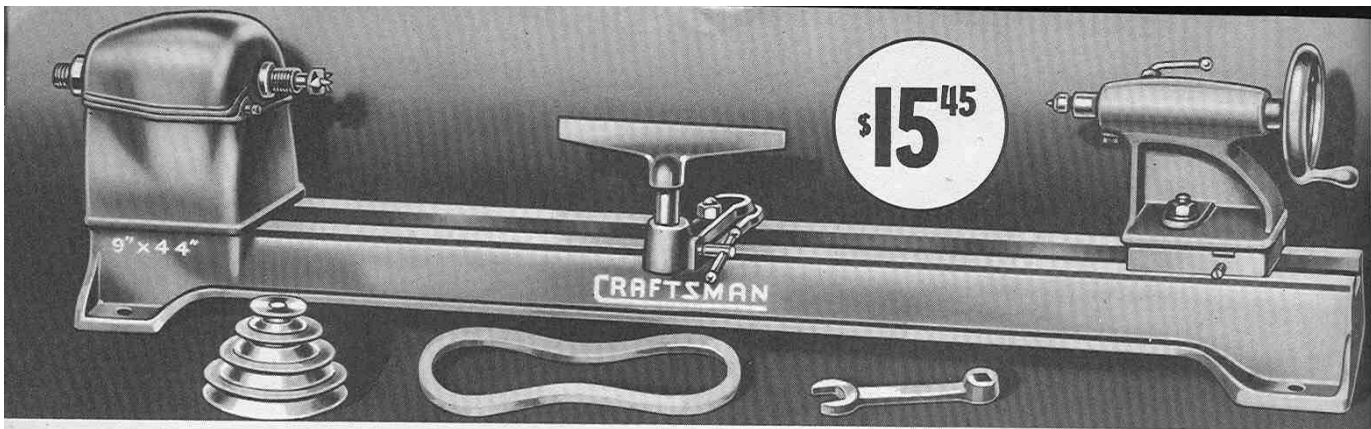
\$2.65

Bronze Bushed Jack Shaft for COMPANION Model Makers' Lathe

Use this handy jack shaft stand to secure proper lathe speeds for metal working. Small pulley on motor drives to larger pulley on jack shaft. Jack shaft drives the lathe. Metal working speeds are much slower than those used on wood and this arrangement enables you to get these slow speeds. Also useful on other tools for increasing or decreasing speeds. Bolt holes are spaced identically with those found on motors, permitting it to be used on motor bases of machines, etc., for greatest convenience. Complete with bronze bushed self-aligning bearings. Shipping weight, 7 pounds.

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

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



CRAFTSMAN
REG. U.S. PAT. OFF.

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.
- 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-inch hole is accurately ground to take No. 1 Morse taper centers and arbors. 3/4-inch diameter; 16-thread.
- Massive headstock guarantees accuracy, rigidity and easy belt shifting for the various speeds required.

- Four speeds ranging from 700 to 4000 R. P. M.—when jack shaft is used, 350 to 8600 R. P. M.
- Can be equipped with compound rest, etc. for metal turning.
- Pulley indexed for dividing, and indexing stop is provided.
- New streamlined tailstock equipped with self-ejecting center, ram lock, and set-over for taper turning.
- 44-inch heavy gray iron bed, accurately milled and strongly webbed. 30 inches between centers.
- Belt, motor pulley and accessories others charge extra for are included and make this lathe an even greater value.

You can't match it for quality—features—workmanship—at anywhere near this price! Notice the large size—the extra weight—the sturdy construction! Big enough for most any job—and built with the accuracy necessary for metal turning. And it can be equipped for metal turning through the purchase of a few inexpensive attachments!

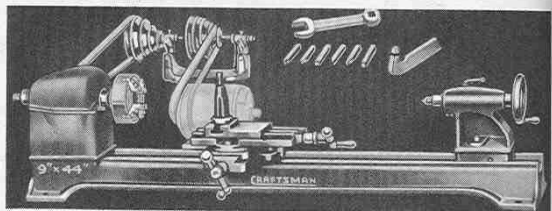
Bearings are of the auto-lubricating bronze type, surrounded by oil reservoirs, and will give practically limitless service. Specially fitted and installed, they seal the spindle journals from grit and abrasive dust, and insure longer life and greater accuracy. Longitudinal thrust is absorbed by the 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 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.

The extra size and capacity of this lathe makes it well adapted to metal spinning. Its swing is large enough so that it is unnecessary to place 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.

Use 1/3-H.P. motor. See Page 37. Complete with 4-step motor pulley, "V" belt, 8-inch tool rest and No. 1 Morse taper spur and cup centers. Shipping weight, 60 pounds.

99 PM 2019.....\$15.45

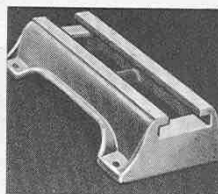


Complete Metal Working Outfit

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 inches and a transverse feed of 5 3/16 inches. The outfit includes our CRAFTSMAN 9-inch Lathe, compound rest, production type tool post, tool holder, six tool bits, wrenches, multiple speed jack shaft, 4-inch 4-jaw chuck, belt, pulleys and 60-degree center.

Shipping weight, 93 pounds.

99 PM 2020—Complete outfit.....\$39.90

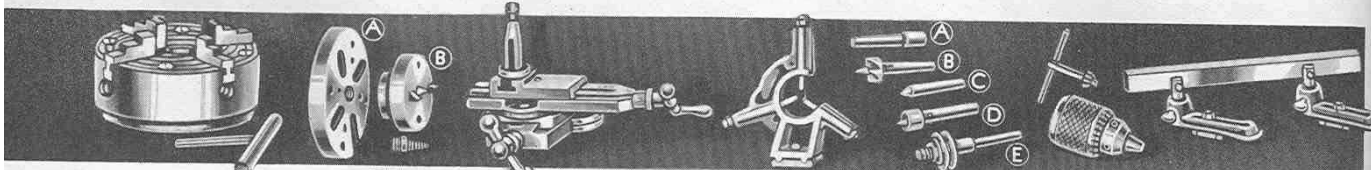


Lathe Bed Extension

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 pounds.

9 P 2017.....\$2.15

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



4-Jaw Independent Chuck

4-in. 4 reversible jaws. Each jaw moves by itself. With key and back plate for 99 PM 2019 Lathe. Shpg. wt., 4 lbs. 4 oz.

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. Shipping weight, 3 lbs. 8 oz.....\$13.95

High Grade Face Plates

9 P 2090—3/4-in. wood or metal working face plate, nicely machined and balanced, double threaded, for either end of spindle. Shpg. wt., 2 lbs.....\$1.35

9 P 2091—3-in. face plate with spurs, removable center and screw center. Shipping weight, 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 3/16 inches; angular or longitudinal feed, 6 inches. Quality and value! (For tool bits and holders see Page 19). Shipping weight, 17 pounds.

9 P 2168...\$13.90

Quality SteadyRest

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

9 P 2178
\$3.85

Centers and Arbors

No. 1 Morse taper. Ground and hardened. Shpg. wt., each, 8 oz.

9 P 2123—Tapered chuck arbor.....\$5.95

9 P 2106—S p u r center.....\$5.95

9 P 2110—60 degree center.....\$5.95

9 P 2100—C u p center.....\$5.95

9 P 2165—Grinding arbor.....\$7.05

9 P 2132—1/2-in. chuck for 9 P 2165 arbor.....\$5.95

Jacob's' 1/2-In. Chuck

Extremely high quality throughout. Famous for accuracy and long life. When fitted with arbor 9 P 2123 at left it may be used either in lathe head or tailstock. Shipping weight, 2 pounds.

9 P 2142—Capacity, 1/8 to 1/2 inch.....\$5.25

9 P 2143—Capacity, 0 to 1/2 in.....\$6.95

18-Inch Tool Rest

Well made throughout. 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...\$1.95



CRAFTSMAN
REG. U.S. PAT. OFF.

Ball Bearing Convertible Lathe for Wood or Metal Turning . . 10-inch Swing . . 53-inch Bed

- Steel ways imbedded in heavy gray iron bed maintain alignment of head and tailstock.
- Two heavy duty **SKF** sealed ball bearings mounted in headstock carry spindle.
- Designed for accuracy when metal working attachments are used.
- Capacity over 36 inches between centers; 10-inch swing.
- Finest quality steel spindle and tailstock ram have No. 2 Morse tapers.

SPECIFICATIONS

Headstock: New type; covers pulley and belt for added protection. 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. Tailstock hand wheel is chromium plated; prevents rust.

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

Bed: New and modern design produces exceptional sturdiness and rigidity and is fitted with semi-circular steel ways, precision ground and polished. These fine ways guarantee perfect head and tailstock alignment.

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.

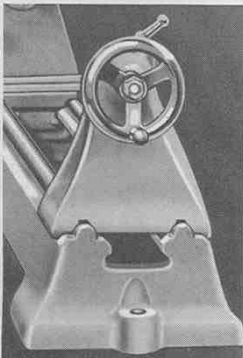
Hole Through Headstock Spindle: 3/16 inch. **Spindle Nose:** 1-in. diameter; 8 threads per inch. **Spindle Bearings:** Heavy duty **SKF**, sealed against dust and abrasive materials.

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

Headstock Pulley: Indexed in 60 divisions.

Power Recommended: 1/4-H.P. See Pages 36 and 37 for complete description and prices.

Equipment: Four step, 1/2-inch bore motor pulley cup and spur centers, wrench, and finest quality Vee belt. Metal working attachments available.

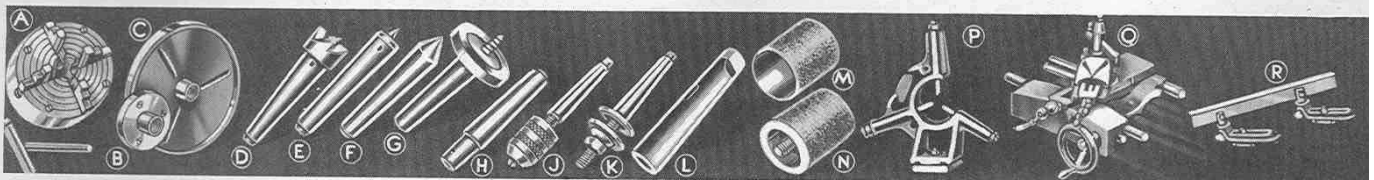


The massive bed and finely machined ways give accurate and positive alignment. Sturdy tailstock has large hand wheel and quill lock.

Superior design! Finer materials! Large capacity! Full 36 inches between centers—turns work 10 inches in diameter. Its great weight, sturdy construction and fine workmanship have already earned an important place for this CRAFTSMAN lathe in professional wood working and pattern shops all over the country. The headstock spindle rotates on the finest **SKF** ball bearings, has a right hand thread inboard and a left hand thread outboard. Because of this you can accomplish outboard turning of large pieces without reversing your motor or lathe drive. Bed is exceptionally heavy and is fitted with ground steel ways which accurately maintain head and tailstock alignment. The head and tailstock spindles are fitted with fine, accurately ground No. 2 Morse taper centers. The headstock pulley is indexed so work may be evenly divided or fluted. We know of no lathe near its size which approaches it for value!

99 PM 2022—CRAFTSMAN De Luxe combination Wood or Metal Turning 10x36-inch Lathe. Shipping weight, 130 pounds. \$25.90

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



Independent Chuck

A Four sturdy reversible jaws move independently. 4 in. in diameter. Fits 1-in. 8-thread spindle on 99 PM 2022 lathe above. Shpg. wt., 4 lbs. 2 oz.
9 P 2138 \$4.95

Face Plates

Fit 1-in. 8-thread spindle such as on 99 PM 2022 lathe above.
B 9 P 2085—Diameter, 3 1/2 inches. Shipping wt., 2 pounds \$1.29
C 9 P 2086—Diameter, 9 inches. For metal or wood-working. Shipping weight, 7 pounds \$2.90

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 2115—Screw Center
Shipping weight, 14 ounces 95c
H 9 P 2124—Arbor for Jacob's Chuck.
Shipping weight, 7 ounces 75c
I 9 P 2125—Arbor and 1/2-in. Chuck.
Shipping weight, 1 lb. 8 oz. \$1.19
J 9 P 2163—Arbor for grinding, etc.
Shipping weight, 13 ounces 80c
K 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 You can do a laborious sanding job in a jiffy by using this drum on your lathe. Very handy for sanding around curves. Has rubber backing. Fits grinding arbor 9 P 2165 or 9 P 2163. Diameter, 2 3/8 in.; 3 in. long. With adapter and one sleeve. Shipping weight, 12 ounces.
9 P 2520—Sanding Drum 98c
M 9 P 2522—Sanding Sleeve. Coarse, medium or fine. State grade. Shipping weight, 2 ounces. Each 10c

Steady Rest

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

Compound Tool Rest

Q New! Modern! The finest compound rest we have ever seen for a convertible lathe. Mounted on a carriage having 6-in. travel. Angular travel, 2 3/4 in.; cross feed travel, 5 in. Feed collars and angular scale accurately graduated. Precision built. Shipping weight, 29 lbs.
9 P 2094 \$15.65

24-Inch Tool Rest

R Ideal for long work. With bed brackets. Shipping weight, 10 pounds.
9 P 2095 \$3.19



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 and its attachments.

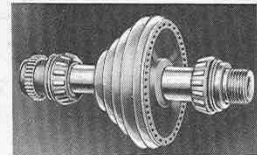
The heavy semi-steel bed with its broad, accurately machined ways, is heavy enough to resist all torsional stresses. The headstock is fitted with high quality selected Timken tapered roller bearings. These fine bearings are used in machine tools of the utmost accuracy, tools that sell for thousands of 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 ¾-inch 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 PM 2025—CRAFTSMAN Universal Timken Bearing Heavy Duty Lathe complete with centers, belt, tee rest, wrench and motor pulley. Shipping weight, 165 pounds. \$45.00



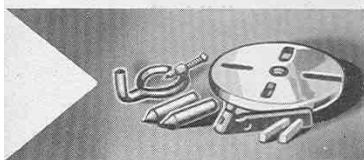
Massive, specially designed headstock spindle fitted with heavy duty Timken precision roller bearings. This accurately made spindle accommodates No. 3 Morse tapers and has sleeve to No. 2. The nose has an accurately cut thread. The well balanced 4-speed pulley has 60 accurately spaced holes for indexing, 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.
- Toe rest length: 12 inches.

Easy Terms!
ON ORDERS OF 700 OR MORE
SEE INSIDE FRONT COVER

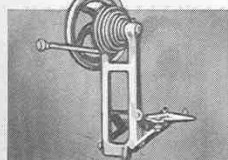
These Units Will Convert Your Universal Lathe Into



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. Fine quality accessories at a money saving price. Consists of two No. 2 Morse taper 60-degree centers, tool holder, 2 tool bits, 1-in. dog and 6-in. face plate.

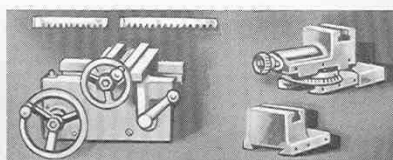
Shipping weight, 5 pounds.
9 P 2068 \$5.95



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. 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**

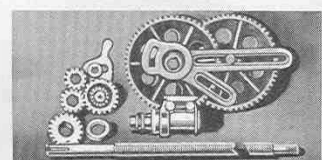
9 P 2070—Carriage Compound Rest.

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. Shpg. wt., 1 lb. . . . **\$1.95**

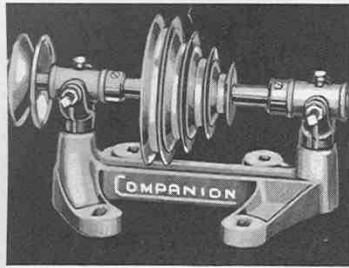


Lead Screw and Feed Gears.

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. Complete with fittings for attaching to lathe. Shipping weight, 10 pounds 7 ounces.

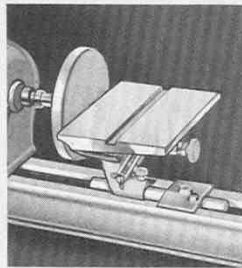
9 P 2060 \$13.95

Sears Save You Money On LATHE ACCESSORIES



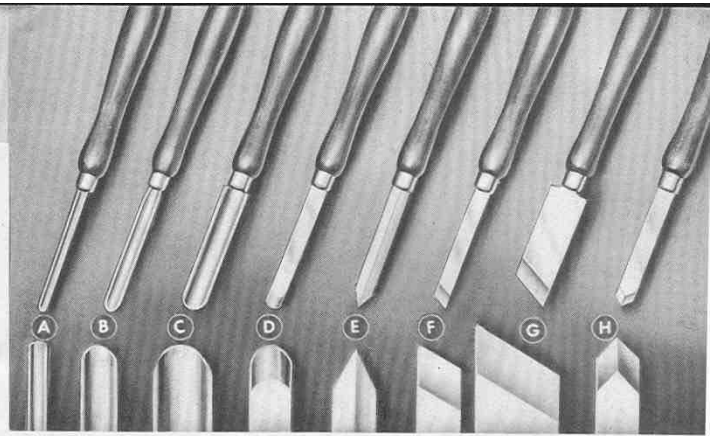
\$2⁶⁵ **Jack Shaft Stand**
3-in.
Use this handy accessory to get proper lathe speeds and extra cutting power for metal working. Also used for speed variation on other machines. Bolt holes are placed the same as those on motors, permitting use on motor bases of machines, etc. Complete with bronze bushed self-aligning bearings. Shipping weight, each, 7 pounds 8 ounces.

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
It's convenient—saves work—enables you to do a perfect sanding job and to produce accurately mitered joints. The table is supported from the bed of the lathe, and is used with sanding disc mounted on the lathe headstock. May be tilted to any angle—and does the sanding smoothly and easily at the exact angle set. Shipping weight, each, 9 pounds.

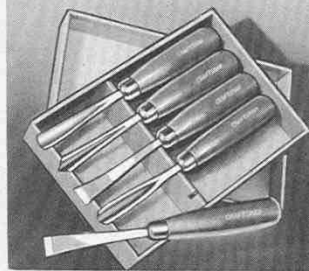
Cat. No.	For Lathe	Price
9 P 2250	99 PM 2019 on P. 14	\$2.95
9 P 2096	99 PM 2022 on P. 15	2.35
9 P 2251	99 PM 2025 on P. 16	2.35



59¢ **CRAFTSMAN Wood Turning Chisels and Gouges**
And Up
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		Parting Tool	
(A) 9 P 2850	—¼ in. wide..... 59¢	(E) 9 P 2858	—½ in. wide..... 59¢
(B) 9 P 2851	—½ in. wide..... 69¢	Skew Chisel	
(C) 9 P 2852	—¾ in. wide..... 89¢	(F) 9 P 2862	—½ in. wide..... 59¢
		(G) 9 P 2863	—1 in. wide..... 85¢
Round Nose		Spear Point	
(D) 9 P 2856	—½ in. wide..... 59¢	(H) 9 P 2854	—½ in. wide..... 59¢

WOOD CARVING TOOL SETS



\$2¹⁰ **Set of 5**
Finely finished wood carving tools with 3¼-inch handles, 2½-inch blades. With these tools you can make an infinite variety of wood carvings. The blades are forged from a fine quality of steel, heat treated with the utmost care to take and hold a razor keen edge.

Complete set of 5 tools attractively boxed; includes one each of the following: ¾-inch bent gouge, ¾-inch bent chisel, ½-inch U tool, ⅝-inch straight chisel and a ⅝-inch veining tool. Shipping weight, 13 ounces.

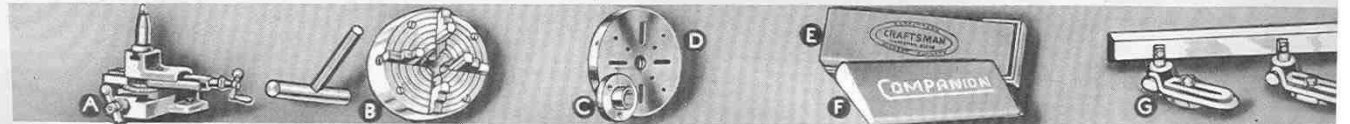
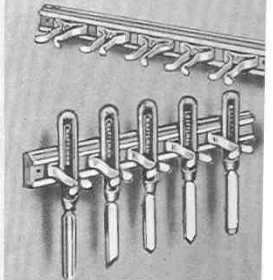
9 P 2899..... \$2.10
9 P 2464—Set of 3 tools including a ¾-inch U tool, ¼-inch skew bevel, and ¾-inch bent chisel. Packed in a box. Shipping weight, 8 oz. \$1.39

KEEP YOUR TOOLS IN ORDER

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 fingers' 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. Shipping weight, 10 ounces.

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



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

Independent Chuck
6-inch chuck. Has 4 reversible jaws. Fits the Universal Heavy Duty Lathe. A handy, dependable attachment. Jaws are hardened and tempered. Perfectly fitted. Shipping weight, 8 pounds 12 ounces.
9 P 2139..... \$9.25

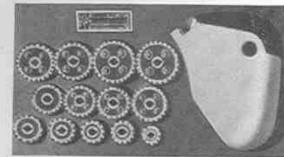
Face Plates
For woodworking. For 99 PM 2025 lathe or any lathe with 1½-inch, 8-thread spindle. Well balanced and machined.
© 9 P 2097—¾-inch size. Shipping weight, 2 pounds..... \$1.25
© 9 P 2098—6-inch size. Shipping weight, 3 pounds..... \$1.65

CRAFTSMAN Sharpening Stone
Vitrified. One side medium grit for fast sharpening; other side fine for smooth edge. Size, 7x2x1 in. Shpg. wt., 1 lb. 8 oz.
9 P 6440..... \$1.25

COMPANION Slip Stone
Gives extra keen edge to gouges and other round shaped tools. Medium-fine. Shipping weight, 12 ounces.
9 P 6454..... 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. Shipping weight, 12 pounds.
9 P 2063..... \$2.95

A Precision Metal-Working, Screw-Cutting Lathe!



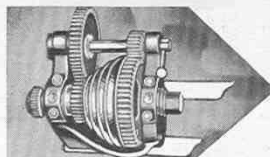
Thread Gears and Chart. With power feed assembly, opens up whole new field of thread cutting possibilities. For cutting 4 to 80 threads per inch, (left or right) including pipe threads. Shpg. wt., 5 lbs.
9 P 2056..... \$6.35

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



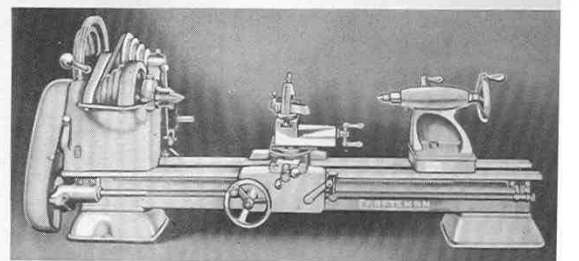
Thread Dial. Simplifies thread cutting by indicating when to engage carriage; prevents spoilage. Shipping weight 8 ounces.
9 P 2052..... \$1.60

Steady Rest. Brass jaws. Required for long turnings; assists in maintaining accuracy. Shipping wt., 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.

All necessary parts and fittings are supplied to fit the drilled and tapped holes of 99 PM 2025 lathe. Instructions furnished.
Shpg. wt., 14 lbs.
9 P 2058..... \$11.95



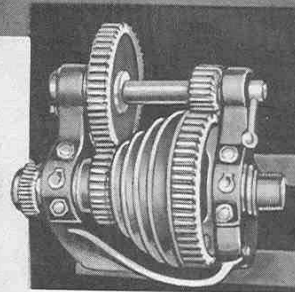
We believe the CRAFTSMAN Universal Heavy Duty lathe and its accessories to be the most flexible group of lathe equipment ever offered. This lathe is the finest wood working lathe we have ever seen! Fitted with compound rest, centers, etc., it is an excellent armature lathe, or by the adding of other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

MASTER CRAFTSMAN

REG. U. S. PAT. OFF.

\$77⁵⁰

99 PM 2028



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

12-INCH SCREW CUTTING LATHES

- Heavily reinforced semi-steel bed with precision-ground ways.
- Mogul type semi-steel headstock with high speed line reamed babbitt bearings. Equipped with 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 1/8-inch face special type giving plenty of power.
- Gears furnished to 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, 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.

SPECIFICATIONS

Swing over bed: 12 1/4 in.
 Swing over carriage: 8 1/4 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: 3/8 in.
 Spindle noses: 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:
 No. 99 PM 2028, 8;
 No. 99 PM 2030, 16.
 Speed range: No. 99 PM 2028; 170, 270, 430, 504, 680, 832, 1298 and 2100. No. 99 PM 2030; 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 3/4 in.
 Compound rest angular travel: 2 1/2 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 babbitt; head mounted on bed. Bearings are bored and line reamed in a massive precision fixture which guarantees accurate alignment with bed. Be sure the lathe you buy has such fine babbitt 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, finished 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.

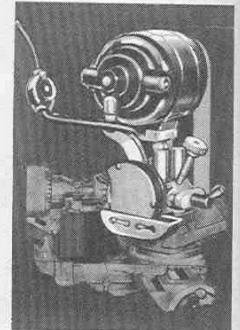
TAILSTOCK: Semi-steel, accurately aligned with headstock by special arbor. Actual test cuts on lathe must show less than .001 inch error.

99 PM 2028—CRAFTSMAN 8-speed, 12-inch screw cutting lathe. 36-inch bed, 18 inches between centers with compact unit countershaft and high speed line reamed babbitt headstock bearings, compound rest, thread cutting gears and reversible feed, wrenches, belts, etc. Less motor. Shpg. wt., 218 lbs. **\$77.50**

99 PM 2030—CRAFTSMAN 16-speed, 12-inch lathes. As above but also equipped with back gears. State size.

Bed Length	Cap. Between Centers	Shpg. Wt.	Less Motor
36 in.	18 inches	230 lbs.	\$89.50
STANDARD			
42 in.	24 inches	238 lbs.	\$95.00
48 in.	30 inches	248 lbs.	\$102.50
54 in.	36 inches	256 lbs.	110.00

Easy Terms! ON ORDERS OF 75 OR MORE - SEE INSIDE FRONT COVER



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... **\$48.50**



A Tool Light
 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 33 for detailed description. Shipping weight, 1 lb. 12 oz. **9 P 2264... \$1.60**

B Center Gauge
 For testing lathe centers and setting threading tool. Tempered steel. Shipping weight, 1 oz. **9 P 4064... 40c**

C Center Drill
 With countersink. High grade steel. 3/8 or 1/2-in. diameter. State size. Shipping weight, 1 oz. **9 P 2061... 25c**

D Follower Rest
 For jobs requiring a long cut on small diameters. Fastens to back of carriage—follows cutting tool. Shipping weight, 4 pounds. **9 P 2988... \$2.75**

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

F Crotch Center
9 P 2114—Shpg. wt., 1 lb. \$1.19

G Micrometer Carriage Stop
 Insures accurate facing and turning. Shipping weight, 1 lb. **9 P 2185... \$3.25**

H Drill Pad
9 P 2187—Shipping weight, 1 pound 2 ounces... \$1.19

J Tool Post Tool Set
 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 3/8-inch threading tool. Shipping wt., 2 lbs. **9 P 2189... \$4.35**



MASTER CRAFTSMAN

REG. U.S. PAT. OFF.

DE LUXE

\$112⁰⁰
36-Inch

SMOOTH EVEN POWER—ACCURACY GUARANTEED

Sears finest! Outstanding in every way you look at it: 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 quality features that have made our regular No. 99 PM 2030 lathe on opposite page the leader in its field PLUS new ideas never before offered in a lathe at this price.

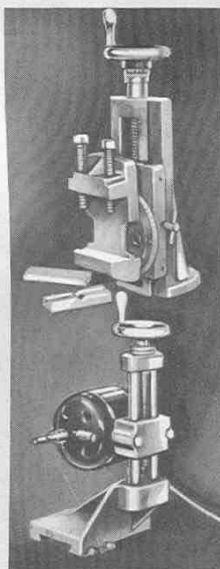
De luxe fittings throughout. Equipped with finest Timken tapered roller bearings for the greatest accuracy and longest life. These bearings are specially selected to maintain the alignment of the main spindle to the very closest limits. They will carry very heavy loads at slow speeds and yet operate 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. Be sure to see 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.

99 PM 2032—Complete with selected Timken tapered roller bearings, guards and countershaft drive. State size.

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

Bed Length	Cap. Between Centers	Shpg. Wt.	Less Motor
36 in.	18 inches	250 lbs.	\$112.00
STANDARD			
42 in.	24 inches	260 lbs.	\$119.00
48 in.	30 inches	270 lbs.	\$129.00
54 in.	36 inches	280 lbs.	139.00



Milling Attachment

Has graduated swivel vise, V-block for holding cylindrical objects. Vise capacity, 2 3/8 in. Vertical feed, 2 3/8 in. Micrometer graduated feed screw. Cross feed, 5 in. Angular swivel accurately graduated in degrees. Shipping weight, each, 16 pounds.

9 P 2987—New type; fits lathes above and on opposite page. Fastens to carriage by 2 heavy set screws... **\$13.95**

9 P 2993—Fits old model CRAFTSMAN lathes; fastened to carriage by two bolts from below... **\$13.95**

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, switching cord, set of 5 undercutting saws. Shipping weight, 10 pounds.

9P2989 \$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.	7/8 in.	3/8 in.	\$3.35
1 1/2 in.	1 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.

9 P 2996—State size.

Diam.	Thick	Price
1/2 in.	3/8 in.	\$1.85
3/4 in.	1/2 in.	\$2.10
1 in.	5/8 in.	\$2.45
1 1/4 in.	3/4 in.	\$3.25
1 1/2 in.	7/8 in.	\$3.25

(C) R. H. Cut, R. H. Spiral End Mills. Used with 9P2994 and 9P2985 at right. Shipping wt., each, 3 oz.

9 P 2997—State size.

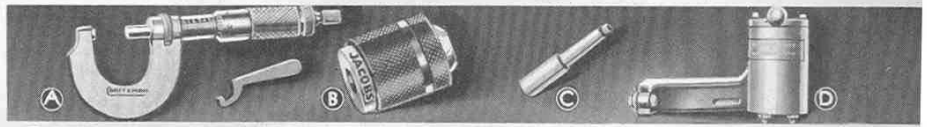
Diam.	Flute	Price
1/4 in.	3/8 in.	\$1.20
3/8 in.	1/2 in.	1.25
1/2 in.	3/4 in.	1.40
3/4 in.	1 in.	1.55
1 in.	1 1/4 in.	1.65

Holding Collet

(D) 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..... **\$6.50**

9 P 2985—Set of 4 Collet bushings for use with 1/4, 3/8, 1/2, and 3/4 in. end mills. Shipping weight, 4 oz.... **85c**



CRAFTSMAN Micrometer

(A) Made in U. S. A. to highest standards of accuracy. Graduated by 1/1000 of an inch. Lock nut, adjustable anvil; decimal equivalents on frame. Shpg. wt., 8 oz.

9 P 4069—0 to 1 inch... **\$7.75**

Center Rest Chuck

(B) Use in tailstock spindle to hold centerless armatures. Shipping wt., 3 lbs.

9 P 2991 **\$8.75**

Chuck Arbor

(C) For use with center rest chuck or spindle nose chuck. Shipping weight, 10 ounces.

9 P 2126... **69c**

Reversing Switch

(D) Essential when tool post grinder is used on lathe. Permits changing direction of rotation of lathe spindle. Not for repulsion-induction motors. Shipping weight, 5 pounds.

9 P 2992..... **\$7.75**



Tool Holders

Steel forgings, carefully finished. For 1/4-in. tool bits. Shipping weight, each, 2 pounds.

(A) 9P2198—Threading... **\$2.60**
(B) 9P2202—Knurling Tool... **\$3.20**
(C) 9P2192—Offset, Right... **1.10**
(D) 9P2196—Straight... **1.10**
(E) 9P2194—Offset, Left... **1.10**
(F) 9P2200—Cut-Off... **1.60**

6 Formed Tool Bits

High speed steel, 1/4 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 **\$1.29**

5-in. 3-Jaw Universal Scroll Chuck

2 sets of jaws; all move at once.

9 P 2150—Shpg. wt., 6 lbs. 11 oz. **\$17.65**

6-in. 4-Jaw Independent Chuck

9 P 2139—Shpg. wt., 8 lbs. 12 oz. **\$9.25**

8-in. 4-Jaw Heavy Duty 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

For long, slender work. Brass jaws. Capacity, up to 2 3/4-in. Shpg. wt., 7 lbs.

9 P 2050..... **\$4.60**

Spindle Nose Chuck

Hollow; takes 1/2 to 3/4-in. Replaces draw-in and collets. Shpg. wt., 4 lbs.

9 P 2144..... **\$9.95**

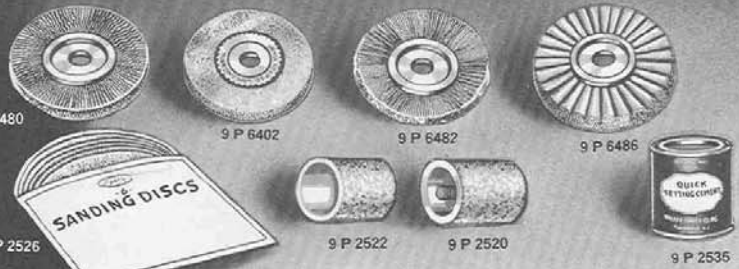
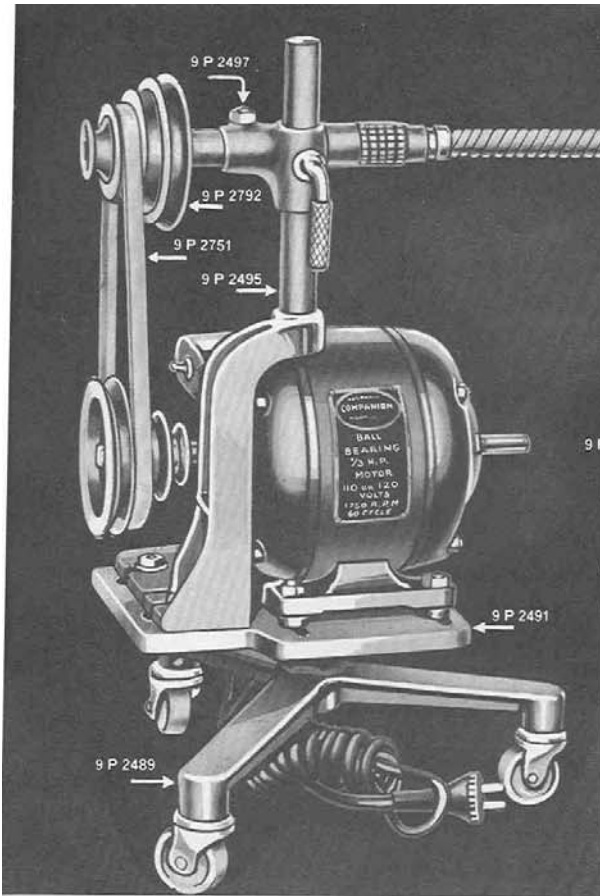
Lathe Dogs

9P2183—Drop forged. State size wanted.

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

The Tool of a CRAFTSMAN

REG. U. S. PAT. OFF.



STANDARD SPEED SHA

- Soft steel grease-tight casing with solid brass ferrule at each end. Plated and rustproof.
- Selected high tensile steel wire core, wound in alternate layers to form strong, compact, yet flexible drive of many layers.
- Steel ends of core cast and securely swaged to casing.
- Casing fitted with ball bearing casters for sure easy operation—1/2" diameter.
- Adapter provided for use with accessories having standard speed shafts.
- Wide range of speeds.

The finest flexible shaft outfits ever built for anywhere near these low prices! You'll be amazed at the quality of workmanship and materials used in every detail of their construction. No other tool ever made provides so much flexibility, speed, economy and convenience. Thousands of these outfits are in daily use for grinding, polishing, buffing, sanding, refinishing, paint removal, etc. Because of their great portability you can take them right to the job. They roll easily on the ball bearing caster base. For use in the shop, the garage, the home, they have no equal. With these outfits you can perform a large number of diversified operations with ease and facility. Once you own one you will wonder how you were able to get along without it!

Every part of this outfit is built for service. No detail is skimped. . . .

Easy to Turn!
No Oil!
No Grease!
No Rust!

High Speed Shaft Outfits



Highest quality throughout. The handpiece is fitted with two sets SKF quality ball bearings. Motor is a powerful, specially designed 17,000 R.P.M. 110-volt Universal type A.C. or D.C. It is exceptionally well built and approximately 1/4-H.P. 50-inch flexible shaft is fitted with steel supports at ends. The casing is leak-proof and covered with neat black impregnated cord cover. Handpiece takes standard accessories. An ideal outfit for high speed carving, grinding, etc.

- 9 P 2635—Complete High Speed Shaft, core, casing, motor coupling, heavy duty ball bearing handpiece and 17,000 R.P.M. ball bearing motor. Shipping weight, 12 pounds. . . . \$27.00
- 9 P 2634—High Speed Flexible Shaft Outfit, as above, but less motor. Shipping wt., 5 lbs. . . . \$11.50
- 9 P 2642—High Speed Motor only. For use with router or flexible shaft. Shpg. wt., 10 lbs. . . . \$16.95
- 9 P 2643—High Speed Motor Coupling only. For flexible shaft. Shipping weight, 1 lb. 8 oz. . . . \$1.65
- 9 P 2640—High speed collet chuck for use with flexible shaft. Supplied in 3 sizes to fit 1/8, 1/4 or 3/8-inch tool shanks. Specify size. Shpg. wt., 6 oz. Each. . . . 98c
- 9 P 2638—Extra High Speed Casing. Shipping weight, 1 pound 4 ounces. . . . \$4.25
- 9 P 2639—Extra High Speed Core. Shipping weight, 1 pound. . . . 1.95

Portable High Speed Flexible Shaft



The high speed flexible shaft can also be made up as shown at the left. This type of unit is particularly handy when you want to move the shaft to different parts of the shop. It is also convenient if you already have a 3450 R.P.M. motor and wish to use it.

- 9 P 2489—Base
- 9 P 2495—Support
- 9 P 2645—Headstock
- 9 P 2637—Handpiece
- 9 P 2639—Core
- 9 P 5608—Motor (Page 37)
- 9 P 2491—Table
- 9 P 2751—Belt
- 9 P 2792—Pulleys (2)
- 9 P 2638—Casing
- 9 P 2640—Chuck

Other combinations can be made up to meet individual needs of the shop or job.

Carving Cutters for High Speed Router

Accurately made high speed cutters of finest quality tool steel. For use in high speed routing.

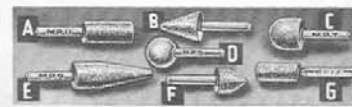
9 P 2644—Specify item wanted. Shipping weight, each, 2 ounces.



- Round Nose \$1.75
- Pointed Liner \$1.75
- Half Round \$1.75
- 3/8-in. Shank Cutter \$1.75
- Button Drill \$1.75
- Hook Tool \$1.75
- Straight Face \$1.75

EXTRA ATTACHMENTS MAY BE

	Shpg. Wt.	Price	
9 P 2489—Base with Casters.	4 lbs. 8 oz.	\$1.35	9 P 2522—Sanding Belts for Drum Fin
9 P 2491—Table for Portable Outfit.	5 lbs. 14 oz.	1.00	un or coarse. State choice.
9 P 2495—Support for Jack Shaft.	4 lbs. 8 oz.	1.00	9 P 2525—6-in. Sanding Disc.
9 P 2497—Head Stock.	1 lb. 7 oz.	1.35	9 P 2529—6-in. Rubber Pad.
9 P 2500—Ball Bearing Handpiece.	2 lbs. 8 oz.	1.19	9 P 2239—6-in. Sanding Disc with Rubb
9 P 2505—Casing, 43-inch.	2 lbs. 12 oz.	1.19	9 P 2526—Pkg. of 6 Sanding Disc, 6-
9 P 2510—Core, 43-inch.	1 lb.	1.19	9 P 2535—1/2 Pt. Can Cement.
9 P 2515—Grip for Shaft.	10 oz.	.30	9 P 2792—4-inch Four Step V Pulley.
9 P 2517—Grinding Wheel Guard.	1 lb. 6 oz.	.65	9 P 2751—Endless V Belt, 24-in.
9 P 2530—Drill Chuck, 1/4-inch.	5 oz.	.29	9 P 2531—Sheepskin Polishing Pad.
9 P 6484—Carbon Removing Brush.	4 oz.	.50	9 P 6490—6-inch Cloth Buffer.
9 P 2520—Sanding Drum with Belt and Adapter.	12 oz.	.98	9 P 2537—Lubricant, per tube.
			9 P 6402—4x1/2-inch Grinding Wheel.



- Grind Stones
- (A) 9 P 6462—MP11. 48c
 - (B) 9 P 6467—MP3. 48c
 - (C) 9 P 6460—MP7. 48c
 - (D) 9 P 6459—MP5. 48c
 - (E) 9 P 6461—MP9. 48c
 - (F) 9 P 6458—MP4. 48c
 - (G) 9 P 6463—MP12. 48c
- Shipping weight, each, 3 oz.



9 P 2546—Ball Bearing Motor Coupling or attaching Standard Speed Flexible Shaft directly to motor. Equipped with high quality ball bearings. Shipping weight, 11 oz. \$1.29



One of the handiest tools in your shop. Has core of selected high tensile steel wire wound in alternate layers. The motor coupling is fitted with ball bearings. Included are 1/2-inch three-jaw chuck, chuck adapter and improved motor coupling, sanding disc wheel, package of assorted sanding discs, graphite lubricant, sheepskin polishing pad, 6-inch cloth buffer, 4x1/2-inch grinding wheel, flexible shaft casing and core, hand

Thousand Uses

FLEXIBLE SHAFT OUTFIT

\$22⁵⁰
Less Motor
\$32²⁵
With Motor



AFT and ACCESSORIES

carefully machined
ed on.
ball bearings to in-
n—long life.
d to accommodate
standard 1/2-in. hole.
eds.

- Handpiece spindle runs on two sets of ball bearings.
- Every outfit rigidly inspected before shipment to insure perfect running of every moving part.
- Mounted on ball bearing caster base to provide utmost portability.

no corners are cut . . . the quality is kept at Sears high standard even in the smallest part or accessory. The reason you can buy a Flexible Shaft Outfit from Sears for about HALF what others ask for similar quality is that we sell more outfits than any other distributor in the country. Our huge volume enables us to cut buying, shipping and handling costs. As a result you are sure of **BIGGEST SAVINGS** plus the **HIGHEST QUALITY** when you buy your outfit from Sears.

ON ORDERS OF
720 OR MORE
SEE INSIDE
FRONT COVER

99 P 2475—Flexible Shaft Outfit shown above, with 7 1/2-ft. flexible shaft and accessories shown above, but without motor. Shipping weight, 40 pounds. **\$22.50**

99 PM 2476—Flexible Shaft Outfit as above, complete with COMPANION 1/4-H.P. ball bearing motor for 110-120 volt 60 cycle A.C. 1750 R.P.M. Shipping weight, 66 pounds. **\$32.25**

HEAVY DUTY Portable Shaft Outfit

One of the finest Heavy Duty Flexible Shaft Outfits ever designed for the garage, auto repairman, machine shop or wherever an exceptionally sturdy tool is required. Heavy 66-in. shaft is made with rubber covered steel casing that is permanently grease tight. High tensile steel wire core is 3/8 in. in diameter. Motor and jack shaft are supported by husky steel yoke which locks in any position instantly. Height is adjustable to suit work. Equipped with 1/2-H.P. COMPANION ball bearing 110-120-volt A.C. motor having speed of 3450 R.P.M. The step cone pulley and adjustable headstock provide a wide range of speeds. Handpiece spindle revolves on high grade Timken bearings. In every detail a quality outfit that will handle heavy work with ease. Shipping weight 165 pounds.



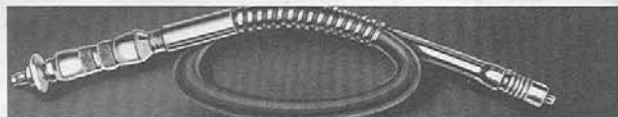
99 PM 2633—Heavy Duty Flexible Shaft Outfit, complete with ball bearing motor and caster stand. **\$69.50**

99 PM 2632—Same as above, but without motor. Shpg. wt., 130 lbs. **\$49.50**

BE PURCHASED SEPARATELY

	Shpg. Wt.	Price
m. Fine, medi-	2 oz.	10c
1 lb.	2 oz.	65c
ii Rubber Pad,	4 oz.	29c
csa, 6-inch . . .	4 oz.	89c
1 lb.	5 oz.	25c
lley	2 oz.	45c
1 lb.	10 oz.	50c
h.	3 oz.	27c
ad.	4 oz.	79c
3 oz.		15c
7 oz.		19c
1 lb.	2 oz.	35c

	Shpg. Wt.	Price
9 P 6480 —4-inch Coarse Wire Wheel.	5 oz.	35c
9 P 6482 —4-inch Fine Wire Wheel.	5 oz.	45c
9 P 6487 —Floor Waxing Brush, 6-inch.	11 oz.	49c
9 P 2543 —Drill Chuck Adapter.	6 oz.	30c
9 P 2533 —Sheepskin Polishing Drum.	3 oz.	49c
9 P 6485 —2 3/4-inch Wire Cup Brush.	4 oz.	48c
9 P 6486 —6-inch Tampico Brush.	8 oz.	49c
9 P 2645 —Ball Bearing Headstock similar to No. 9 P 2497 except fitted with heavy duty S.K.F. high speed ball bearings. For use with Standard and High Speed Shafts. Shipping weight, 2 lbs. 12 oz. \$5.75		
9 P 2637 —Heavy Duty S.K.F. High Speed Ball Bearing Handpiece, much heavier than No. 9 P 2500 for use with both Standard and High Speed Shafts. Shipping weight, 1 lb. 8 oz.		\$3.65



Heavy Duty Flexible Shaft

Heavy duty shaft only for attachment direct to any 1/2-inch 3450 R.P.M. motor shaft. Fitted with Timken bearing hand piece and work arbor at one end and motor coupling at the other. Shipping weight, 10 pounds.

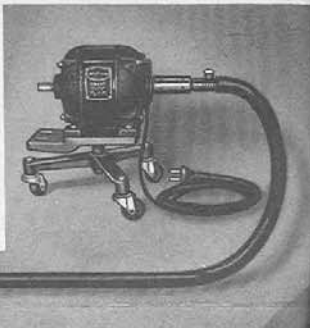
9 P 2631 **\$17.95**

Low Priced Portable Unit

The heavy duty Flexible Shaft Outfit can also be made up in an economical unit as shown at the right from parts listed on this page. Motors on Page 37.

- 9 P 2489**—Base
- 9 P 2491**—Table
- 9 P 2631**—Flex. Shaft
- 9 P 5608**—Motor

The heavy duty or standard speed flexible shafts should never be operated at speeds less than 1750 R.P.M. High speed shafts should be operated over 5000 R.P.M.



Motor Attachment Of All

grip, ball bearing handpiece, and rubber pad. Length, over all, 30 in. To double the length an extra core No. 9 P 2510 and casing 9 P 2505 may be added. Outfit does not include motor. Shipping weight, 8 pounds 12 ounces.

9 P 2630—Complete Outfit as illustrated. **\$7.45**

9 P 2629—Outfit except accessories shown below shaft. Shipping weight, 4 lbs. 12 oz. **\$5.45**

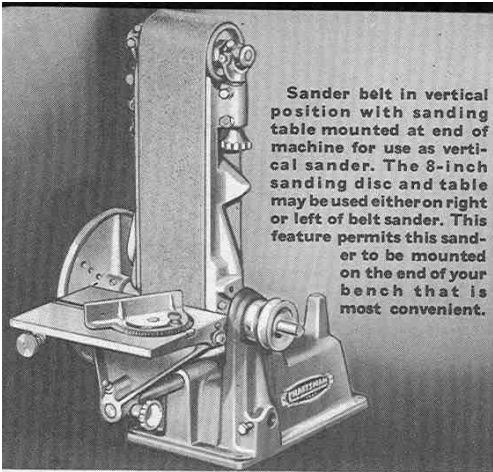
Additional accessories listed above.



Ball Bearing Angle Head

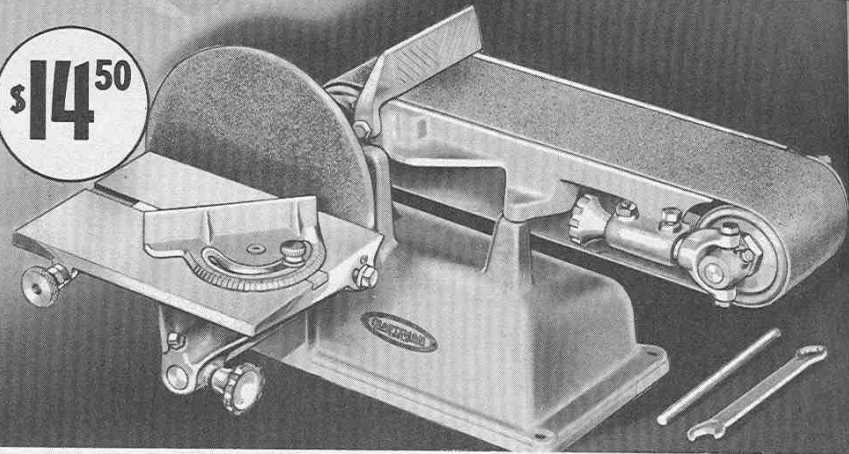
For use with either standard speed or heavy duty flexible shafts for sanding, buffing, polishing, etc. Equipped with 3 to 2 reduction gear and convenient handle for holding. Accurately cut and carefully hardened steel gears run in grease tight housing. A real value at this price! Shpg. wt., 3 lbs. 8 oz.

9 P 2646 **\$15.95**



Sander belt in vertical position with sanding table mounted at end of machine for use as vertical sander. The 8-inch sanding disc and table may be used either on right or left of belt sander. This feature permits this sander to be mounted on the end of your bench that is most convenient.

\$14⁵⁰



CRAFTSMAN BELT AND DISC SANDER

Finest Tool of Its Kind Anywhere Near This Price

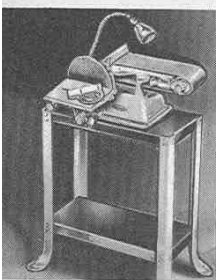
- Extra long auto-lubricating bronze bearings for long life and smooth operation.
- Belt sander mounts horizontally, vertically or at any intermediate angle.
- Disc sander table tilts to any angle up to 45°.
- Quick acting belt adjustments.
- Universal bearing mechanism for adjusting front roller has positive locks and steel bearing seals.
- Disc sander finishes concave portions of work which cannot be reached by belt sander alone.
- Complete with 8-in. abrasive disc, 4-in. sanding belt and instructions.

Takes all the work out of one of the hardest jobs in woodworking—sanding. The disc sander table is adjustable as to angle, which enables you to do extremely accurate sanding of mitered edges. This table may be used on either right or left side, or at end of machine. The belt sander may also be raised to any desired angle and securely locked. All spindle bearings are of the auto-lubricating bronze type; prevent abrasive material from damaging the spindles.

We recommend 1/2-H.P. motor 99 P 5607 shown on Page 37. Recommended operating speeds: 1200 to 1600 R.P.M. It easily performs a great variety of laborious hand operations and does them better. Its price and quality cannot be matched! Shipping weight, 42 pounds.

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

99 PM 2213...\$14.50



COMPANION

Machine Stand

All metal machine stand. Has 10x21-in. top for mounting your combination disc and belt sander. 31 inches high. Exceptionally strong and rigid. Specify 10x21x31-in. size. Shpg. wt., 33 lbs.

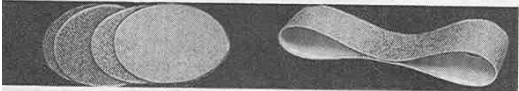
99 P 2719.....\$4.85

COMPANION

Tool Light

Extra large reflector throws light on your work, not in your eyes. Has 15-in. flexible neck, reflector, cord and plug. See Page 33. Shpg. wt., 1 lb. 12 oz.

9 P 2264.....\$1.60



Abrasive Discs and Belts

- Package of 6 assorted fine, medium and coarse sanding discs. Shipping weight, 8 ounces.
- 9 P 2216—Garnet abrasive, for use on wood..... 35c
 - 9 P 2217—Aluminum oxide abrasive, for use on metal..... 39c
- Abrasive belts for CRAFTSMAN Sander, 4 in. x 36 in. State grit desired, fine, medium or coarse. Shpg. wt., ea., 4 oz.
- 9 P 2218—Garnet abrasive, for use on wood. Each..... 29c
 - 9 P 2215—Aluminum oxide abrasive, for use on metal. Each..... 29c



\$28⁹⁵

CRAFTSMAN

HEAVY DUTY BELT AND DISC SANDER

SKF Ball Bearings

- Four highest quality, dust-sealed SKF ball bearings.
- 12x6-in. adjustable disc sanding table. Tilts 90° to 45°. Quadrant indicates angle.
- 12x4 1/2-in. sanding table under belt supports the 8 1/2 x 6-in. table above belt which tilts 90° to 45°; has indicator and stop.
- Surfaces panels up to 13 inches in width.
- Either upper or lower surface of sanding belt may be used—lower surface for stroke sanding operated with pressure block.
- Abrasive belt speeds: 1050, 1760, and 3100 feet per minute.
- Distance between pulley centers is 18 inches.
- Single control regulates belt tension.

Now you can turn out finished surfaces in a few minutes that would take hours by hand! Handles all kinds of surfacing jobs, before or after assembly. Will surface wood, metal, moulded plastics, fiber, cork, bone, etc. Will sand mitered edges with extreme accuracy. Both shafts run on dust-sealed ball bearings. Heavy cast iron base. 3 speeds available. Pulleys are accurately balanced aluminum die castings 5 inches in diameter. Idler pulley alignments easily controlled by pivoted bracket with knurled adjusting and lock nuts. Belt tension varied by cushion spring control. Over-all length, 26 inches; over-all height, 18 inches.

For ordinary work use 1/4-H.P. motor, 1750 R.P.M. For heavy work, 1/2-H.P. motor, 1750 R.P.M. Recommended operating speeds: 765, 1350, 2275 R.P.M. With 10-inch abrasive disc, 4-inch sanding belt. For motors, see Pages 36 and 37. Shipping weight, 85 lbs.

99 PM 2210.....\$28.95

Abrasive Discs

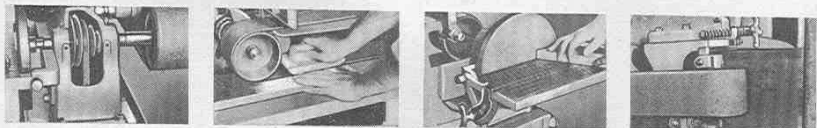
Package of 6 assorted fine, medium and coarse sanding discs. For use on wood or metal. Shipping weight, 9 ounces.

9 P 2206—1kg. of 6. 59c

Abrasive Belts

Fine, medium or coarse. State grit wanted. For use on wood or metal. Shipping weight, 4 ounces.

9 P 2211—Each...49c



HERE'S EFFICIENCY FOR YOU!

Note sturdy bearing construction and 3-speed pulley which may be driven from below or behind. Drive pulley is covered by hood for maximum safety.

"Stroke surfacing" where lower surface of belt is pressed against work, when large pieces are handled. Large diameter of belt pulleys makes this possible.

Disc sander finishing a compound miter joint to mirror smoothness in a few seconds. This is a difficult operation without a sander, but easy on the CRAFTSMAN.

Belt tension unit—spring cushioned and adjustable. Belts are easily changed. Only necessary to use one control to change the tension or to remove the belt.

NEW COMPANION JIG SAW

Designed for Smooth, Faster Cutting

- New, attractive streamlined frame, ruggedly built. Full length base support.
- 15-inch depth of throat. Cuts to center of 30-inch circle.
- Perfectly balanced action reduces vibration; permits finer, faster cutting.
- Large table, 10x10 inches, tilts on new double support. Locks rigidly at any desired angle with convenient handle.
- Dustproof, oiltight crankcase for longer life—better service.
- Extra long bearings, carefully fitted. Auto-lubricating bronze main bearing.
- Built-in sawdust blower keeps work clean, and cutting lines visible.
- Cuts light or heavy material.

Vibrationless! Fast Cutting!

You'd never expect to find such materials—workmanship—smooth operation—and downright fine quality in a jig saw in this price range! But here it is—another example of Sears record-smashing values in the power tool field—another reason why Sears continue to lead the world in power tool sales! It's built strong enough for professional work—that's why it handles the usual run of homecraft jobs so easily. Scroll sawing, jig sawing, pattern making, toy building and a hundred similar types of work are easily handled by this machine.

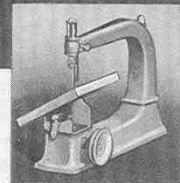
The finely balanced mechanism runs in a bath of oil just like your automobile engine. Sturdy new type jaws accommodate practically all kinds of jig saw blades. If you want to saw copper or aluminum as well as wood—go ahead. With the proper blades you can handle metals as easily as wood. The streamlined gray iron frame is very strong and rigid, with the base extending the entire length of the machine to give

firmer and more solid support. This means a jig saw that will run much smoother, with far more accuracy.

Easily handles stock up to 1 inch thick. Has full 15-inch throat. Fitted with 10x10-inch tilting table, adjustable from 0 to 45 degrees. Equipped with hold-down and guide for holding down work and guiding blade. There's nothing skimped—nothing omitted that would make this saw work better, do more, last longer! No doubt about it—it's the finest medium-size jig saw you've ever seen. Shipping weight, 45 pounds.

99 P 2255.....\$11.95

\$11⁹⁵



View Showing Table Tilted

Table is adjustable from 90 to 45 degrees. Note the new double table support for greater firmness and rigidity. Scale shows angle of tilt. Quickly and easily locked at any angle.

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

COMPANION II-INCH JIG SAW...Runs in Bath of Oil

- 9-in. square gray iron table tilts to 45°. Ground finish.
- Finely balanced mechanism operates in an oil-tight crankcase similar to that in your automobile.
- Sawdust blower. Bridge truss type frame.

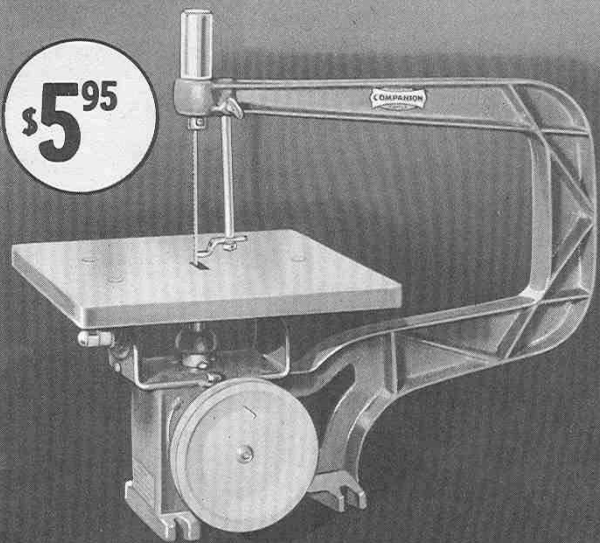
See how you save by buying at Sears! No other saw of this quality is sold for less than \$10.00 ANYWHERE! If it weren't for Sears tremendous power tool production and sales this price would be utterly impossible.

It's new—better—more efficient! New large table, 9x9 inches, is made of gray iron ground to a perfect finish. New improved table tilting support carries table at two points, front and rear—makes table more rigid and sawing more accurate. The mechanism runs in a bath of oil as in the most expensive jig saws. This means smoother operation—longer life—greater all-around satisfaction. It cuts to the center of a 22-inch circle and easily handles stock up to 1-inch thick. Its balanced mechanism provides smooth operation.

Be sure the jig saw you buy has all these features. Then make the final test—operate it! That's the way to compare it! See for yourself how much finer this Sears saw is than any other jig saw sold at anywhere near its price! Shipping weight, 20 pounds.

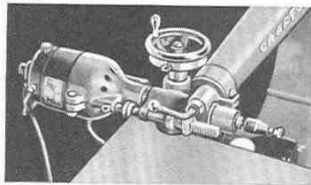
99 P 2259.....\$5.95

\$5⁹⁵

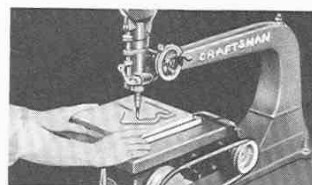


CRAFTSMAN CONVERTIBLE HEAVY DUTY

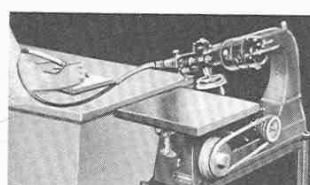
REG. U. S. PAT. OFF.



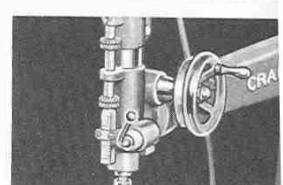
Router head assembly tilted for spindle carving. Scale on head shows angle of tilt. Uses cutters below.



Doing carving work with the head in vertical position. Beautiful relief carvings may be produced easily.



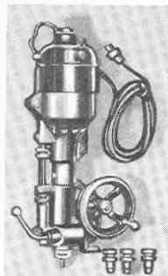
Showing high speed flexible shaft in use with router head for die work. Also used for carving.



Showing controls on router head. Hand wheel lowers cutter into work. Gauge shows depth of cut.

HIGH SPEED ROUTER ATTACHMENT

One of the most remarkable features of the CRAFTSMAN 24-inch Jig Saw is that it will accommodate a high speed router attachment which takes the place of the regular head on the extension arm. This attachment is a complete unit in itself—a vertically mounted ball bearing motor which operates at 17,000 R.P.M. and is carried in a rugged housing which encases the steel quill and ball bearing spindle. The motor and quill unit may be raised or lowered by a hand wheel. With this high speed router attachment you can do the most intricate sort of routing, carving and grinding, as well as shaping, mortising and tenoning. The high speed flexible shaft can be driven from the router unit. You can add a dovetail jig and router at small cost and do perfect dovetailing. In short, there is scarcely a high speed routing operation that can be handled on the most



expensive production machine which you cannot handle with the CRAFTSMAN router head.

Complete assembly consists of 17,000 R.P.M. 110-120 volt A.C.-D.C. motor, motor bracket with steel quill having milled rack and ball bearing spindle, and set of three collet chucks. It takes the place of regular jig saw head. Fits any CRAFTSMAN 24-inch jig saw, old or new style. Jig saw shown on these pages has a pair of heavy screws, one on each side of arm, that hold the jig saw head in position. When they are loosened the head may be removed and adapter unscrewed. Adapter is then screwed into router and router is put in position in place of head. Shpg. wt., 25 lbs.

9 P 2260—High Speed Router, complete \$33.50
 99 P 2642—Router Motor only. Shipping weight, 10 pounds..... \$16.95
 For routing and carving bits or other accessories see Pages 28 and 29.

FEATURES

- Table mounted on DOUBLE trunnions, front and rear, to secure more rigid support.
- Table tilts to 45 degrees with angle clearly shown on accurate quadrant.
- Table trunnion equipped with stops at important angular positions.
- Driving mechanism runs in bath of oil, providing positive lubrication.
- Extra large table, 14 inches square, made of precision ground heavy gray iron.
- Cuts to center of a 48-inch circle and handles material up to 2 inches thick.
- Frame scientifically designed for rigidity.
- Mechanism very perfectly balanced for freedom from vibration.
- New design blade guide and thrust—much more convenient and efficient.
- Upper arm removable or may be pivoted.
- Router head attachment available for versatility in operation.



Machine Files for Jig Saw Use

Use these handy files in your CRAFTSMAN 24-Inch Jig Saw to replace tedious hand filing. Made of special file steel and will give superior service. Have 5/16-inch shanks. Shipping weight, each, 1 ounce.

9 P 2737—3 Square File.....55c | 9 P 2738—Round File.....55c | 9 P 2740—Pillar File.....55c
 9 P 2742—Half Round File.....55c | 9 P 2739—Crochet File.....55c | 9 P 2741—Square File.....55c

EASY TERMS!
 On Orders of \$20.00 or more see Inside Front Cover



Carving Cutters for Use With High Speed Router Attachment

9 P 2644—High speed cutters of finest quality tool steel. Specify item wanted. Shipping weight, each, 2 ounces.

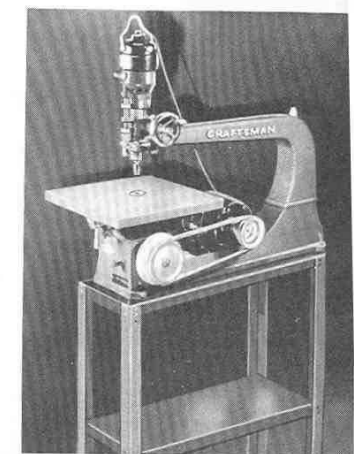
Round Nose \$1.75 | Half Round \$1.75 | Liner \$1.75 | 5/16-in. Cutter Shank 45c | Button Drill \$1.75 | Hook Tool \$1.75 | Straight Face \$1.75



CRAFTSMAN FRET AND JIG SAW BLADES

Catalog Number	Thickness, Inch	Width, Inch	No. in Pkg.	Type End	Length, Inches	Teeth per Inch	Use*	Shpg. Wt., Pkg.	Price per Pkg.
9 P 2692	.008	.035	8	Plain	6	20	W. V. Pd	1 oz.	19c
9 P 2693	.010	.045	8	Plain	6	18	W. V. Pd	1 oz.	19c
9 P 2694	.010	.055	8	Plain	6	16	W. V. Pd	1 oz.	19c
9 P 2695	.010	.070	8	Plain	6	14	W. M.	1 oz.	19c
9 P 2701	.020	.070	6	Plain	6	32	M	1 oz.	19c
9 P 2702	.014	.078	6	Plain	6	16	W. M.	1 oz.	19c
9 P 2709	.020	.110	6	Plain	6	20	G. W. M.	1 oz.	19c
9 P 2710	.020	.110	6	Plain	6	7	W. P.	1 oz.	19c
9 P 2700	.020	.110	6	Plain	6	10	G. W. M.	1 oz.	15c
9 P 2701	.020	.110	6	Plain	6	15	G. W. M.	1 oz.	15c
9 P 2704	.020	.110	6	Pin	5	10	G. W. M.	1 oz.	15c
9 P 2705	.020	.110	6	Pin	5	15	G. W. M.	1 oz.	15c
9 P 2706	.020	.110	6	Plain	8 1/2	10	G. W. M.	1 oz.	19c
9 P 2707	.020	.110	6	Plain	8 1/2	15	G. W. M.	1 oz.	19c
9 P 2708	.020	.110	3	Sabre	6	Asst'd	W	1 oz.	19c
	Assorted								

*W—Wood. M—Metal. P—Catalin or other Plastics. V—Veneer. Pd—Plywood. G—General Purpose.

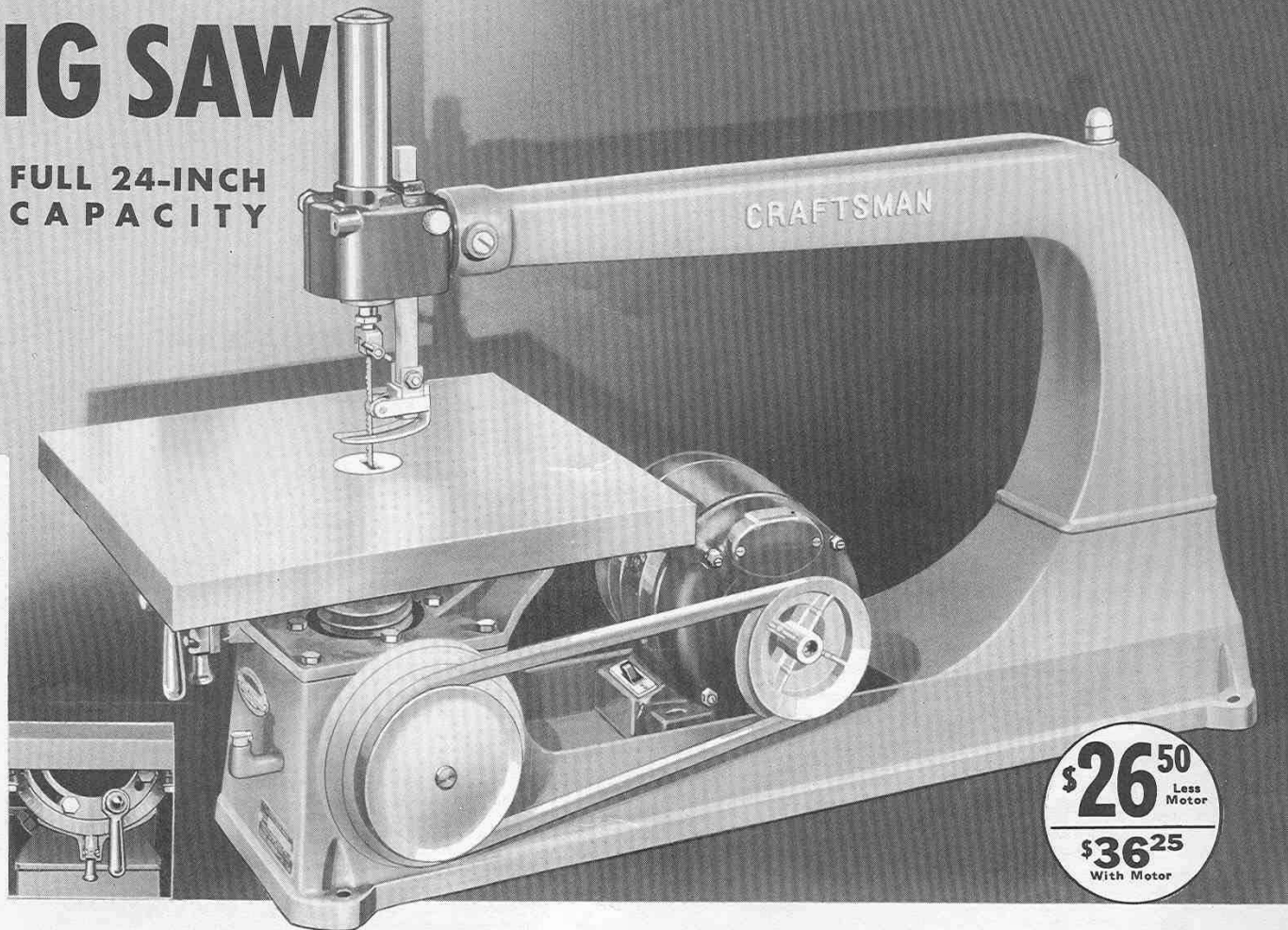


The above illustration shows an ideal combination of units. The CRAFTSMAN 24-inch jig saw complete with router head is mounted on machine stand. Our regular 1/3-H.P. ball bearing motor number 99 P 5607 is provided to drive the jig saw mechanism. Here is indeed a tool with a wide range of operations. Outfit includes our 99 PM 2276 jig saw, 9 P 2260 router, 99 P 5607 motor and 99 P 2719 machine stand in the 10x34x31-inch size. Shipping weight, 191 pounds.

99 PM 2339..... \$73.50

JIG SAW

**FULL 24-INCH
CAPACITY**



\$26⁵⁰
Less Motor
\$36²⁵
With Motor

New from the ground up! Better! Stronger! More efficient! Every part is newly designed to incorporate all the features we have found necessary for finest jig saw performance during our many years experience in power tool design. Our engineers and designers co-operated closely with the manufacturers to produce the finest jig saw Sears ever sold. And what a saw they've made! A miracle of smoothness in operation—stronger and sturdier in construction—and far more versatile than any jig saw we've seen anywhere. It has ALL the features of any other jig saw regardless of price. But even more, it has many features no other saw ever had!

Note the new large table and particularly the way the table is mounted—on **two** large trunnions for perfect rigidity at all times. Here's a major improvement—important because it is fundamentally right. Note, too, how the motor is mounted in a well in the base so as to keep

it down low out of the way. New type motor mount gives smooth, even drive and facilitates changing of speeds for different kinds of work. Works equally well with the smallest fret saw blade or with blades a full 1/4-inch wide. Can also be used for filing. Will saw non-ferrous metals easily and accurately. Mechanically it is as close to perfection as it is possible to come. Give it your hardest jobs! You'll find we haven't told you half the story of its high quality and performance! Complete with 4-step drive pulley, 4-step motor pulley and belt.

99 PM 2276—CRAFTSMAN 24-inch Jig Saw without motor. Shipping weight, 105 pounds.....**\$26.50**

99 PM 2338—CRAFTSMAN 24-inch Jig Saw with 1/2-H.P. ball bearing COMPANION 110-120 volt, 60-cycle A.C. motor. Shipping weight, 135 pounds.....**\$36.25**

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

SPECIFICATIONS

SPEEDS: Operates at 4 speeds—600, 900, 1200 and 1500 for various types of work.

BASE: Large rugged gray iron casting with smoothly ground faces. Attractively streamlined. Heavy and rigid in order to reduce vibration to a minimum. Recess in base allows motor to be partially concealed—out of the way where it will not interfere. The crank case is completely enclosed in the front end of the base.

TABLE: Made of heavy gray iron, well ribbed, with large 14-inch square working surface. Carefully machined to receive complete set of extensions. Mounted on TWO heavy trunnions. Front trunnion has protractor and plunger type stop for important angles. Tilts to 45 degrees on one side and to 10 degrees on the pulley side. Has 2-inch center soft metal insert.

ARM: Large and heavy. 24-inch depth of throat. New scientific design for greatest strength and least vibration. Can easily be swung out of the way or removed entirely. Accurately machined to fit base. Front end fitted for removable vertical guide and pump housing. Has adapter for attaching router.

CRANK CASE: A separate self-contained unit. Fitted to table support and, in turn, mounted in base. Large diameter shaft runs in self-oiling bronze bearings. Oversize balanced mechanism runs in oil. Oil pump forces oil to top of crank case and supplies continuous flow to main bearing and upper sections of moving parts. Shaft fitted with 4-step fly wheel pulley for greater smoothness of operation.

PUMP AND SPRING HOUSING: Large air pump with hollow vertical saw guide which has key way guide and self-oiling bronze bearing. Oil reservoirs are in direct contact with bronze bearing, supplying lubricant to reciprocating guide shaft. Powerful sawdust blower is built into head. Air is blown in front of saw teeth through hollow guide in chuck jaws, thus eliminating any necessity for tube. Pump tube is adjustable to give any desired tension on saw blades or to take longer blades.

HOLD-DOWN GUIDE: Located directly behind blade, or may be shifted 90 degrees for ripping long boards. Has roller guide and is fully adjustable in all directions. Can be mounted under table for saber sawing.

CHUCKS: Manganese bronze with removable jaws. Can be fitted with special jaws for filing.

CANVAS BOOT: Completely encloses the upper part of the lower guide at all times, preventing abrasive dust from getting into bearings or oil supply.

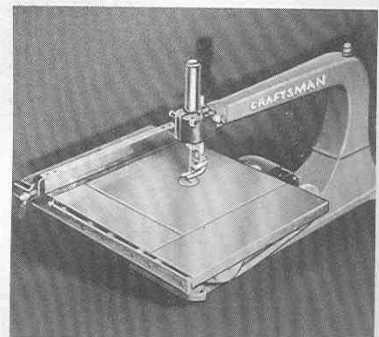
Table Extension and Rip Fence

\$7⁵⁰

You'll want this handy set for your CRAFTSMAN 24-in. Jig Saw. Accurately made and carefully finished—fit perfectly. The table extensions increase the table size to 18x25 1/2 in., and allow you to really utilize the large capacity of the tool. They provide a solid surface for work and permit you to handle large jobs with ease. The rip fence is very useful in handling straight work.

Set consists of front extension, 14x4 inches; two side extensions, each 18x5 3/4 inches; and long rip fence, bars and necessary fittings. Front extension is gray iron, ground and finished. Side extensions are steel. Order these accessories with your CRAFTSMAN Jig Saw. They'll give it greater capacity and will make it far more useful and versatile in your shop. Shipping weight, 14 pounds.

9 P 2278.....\$7.50



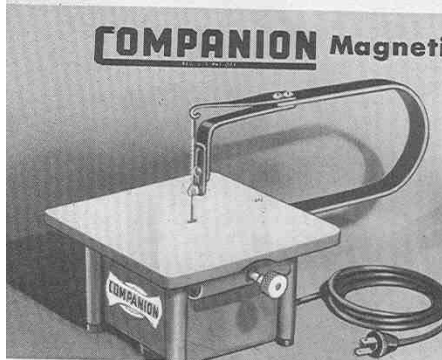


COMPANION UTILITY ARC WELDER

- Will melt 300 inches of 1/8-inch welding rod per hour.
- Operates on 110-volt 60-cycle or 220-volt 60-cycle A. C.
- Plugs in like lamp cord—Uses standard 30-ampere fuse.
- Has 4 heat control taps; proper heat for every job.
- Easily movable on heavy steel casters; machine is entirely enclosed for greater safety, durability.
- Complete with helmet, rods and all necessary equipment.

Now you can do your own arc welding—and save money! Thanks to the low price and operating economy of this easy-to-use electric welder. Weld automotive engine blocks, fenders, farm machinery, tanks, gutters, etc. Weld without removing the broken part from its place! The COMPANION Electric Arc Welder makes speedy, economical and enduring welds. Not for steady all day production use, but ideal for general purpose intermittent service. No experience necessary. With instructions, heavy electrode holder, welding helmet, 4 pounds assorted welding rods, cord, plug and welding cables as illustrated. Shipping weight, 110 pounds.

99 P M 2005—COMPANION Arc Welder.....\$39.50
 9 P 2006—Welding Rods. 5 pounds assorted, for use with welder above. Shipping weight, 5 pounds 8 ounces.....\$1.85



COMPANION Magnetic JIG SAW

\$7.45

IDEAL
For
FAST
FINE
WORK

- Speed! 7200 strokes per minute.
- Complete—no motor to buy.
- Length of stroke easily adjusted.
- Plugs into any 110-volt, 60-cycle household A.C. socket.
- No rotating motor parts to get out of order.
- Made of sturdy gray iron castings.
- Very smooth cut—no sanding necessary.
- Much safer than regular jig saws.

Exactly what you need for those intricate sawing jobs—jobs in thin wood that must be done accurately. The COMPANION Magnetic Jig Saw handles up to 3/4-inch stock, but is particularly recommended for light work. Within its field, you can't beat it. It cuts a perfect right angle or a circle as small as 1/16-inch in diameter (as large as desired) . . . leaving absolutely smooth edges that need no sanding. It does the job by using high speed—7200 strokes per minute, and a stroke of 1/2 to 3/4-inch. The stroke length can be regulated simply by turning the adjustment knobs.

The COMPANION Magnetic Jig Saw is complete in itself. No need to buy motor. Just plug it in—that's all. This tool has gone through rigid tests. Great care has been taken to choose only the best materials and fashion them into a perfected saw. The low price makes it a great power tool value! Shipping weight, 16 pounds 8 ounces.

9 P 2299.....\$7.45
 9 P 2690—Package of 6 special blades for COMPANION Magnetic Jig Saw. Shipping weight, 1 ounce.....15c

Page 26

COMPANION ELECTRIC SPOT WELDER

- Plugs in like a lamp cord—no special wiring needed.
- Capacity: 2 pieces 20-gauge (1/32-inch or lighter) soft steel, sheet iron, tin, or 1/8-inch wire.
- Consumes only a small amount of current and only at instant of use.
- Operates on 110-volt 60-cycle A.C. only. Can be furnished for 220-volt A.C. on special order.
- Equipped with safety fuse.

Make your shop truly complete with this COMPANION Electric Spot Welder. It's the handiest tool you've ever seen for quick repair jobs, for all round light spot-welding. You can weld 20-gauge soft steel, tin, iron or 1/8-inch wire . . . no flux, acid or welding wire needed. With this machine you can make aquariums, bird houses, lamp shades, signs, toys, model-builders' knives, bird cages, etc. Turns out perfect welds with ease. Complete with foot pedal control.

99 P 2000—COMPANION Electric Spot Welder, complete, less stand. Shipping weight, 36 pounds.....\$22.95

99 P 2002—Steel Stand, drilled and fitted for above welder. Disassembled for shipping. Shipping weight, 10 pounds.....\$3.15

9 P 2004—Butt Welding Attachment for welding wire, extension shanks on drills, etc. Not illustrated. Shipping weight, 8 pounds 2 ounces.....\$6.75



COMPANION DRILL PRESS

- For wood or metal drilling.
- Oversize auto-lubricating bronze bearings.
- Large ball thrust bearing in head.
- Fine quality 3/8-inch drill chuck. 1 1/2-in. spindle travel.
- Adjustable drill head.
- Height, over all, 31 1/4 inches.

You can handle a large amount of work on this sturdy drill press, and handle it rapidly. It is built with the same column construction as the larger drills. The over-size bearings are auto-lubricating bronze type, with large ball thrust bearing mounted in head. Adjustable drill head and table. Pulley fitted with safety guard. Equipped with adjustable idler drive and spring loaded feed lever.

Shipping weight, 18 pounds.

99 P 2374.....\$5.95



SEARS DELUXE



HANDEE GRINDER

One-hand control . . . Grease sealed, precision ball bearing . . . Universal motor for 110-volt A.C. or D.C. (A.C. current 25 to 60 cycles.) . . . Speed, 25,000 R. P. M. . . . Special graphite carbon brushes, easily replaceable . . . 6-ft. cord. Listed by Underwriters' Laboratories. Over all length, 6 inches . . . Extreme diameter, 1 1/2 in. . . . Shockproof bakelite construction.

What a tool! Highly prized by every craftsman who owns one! For there's nothing it can't do in the line of fine, precise craftsmanship. Grind, drill, cut, carve, polish, sand, saw, engrave—simply by a quick, easy change of the accessories. Can be used on wood, metal, glass, anything that can be machined. Reaches those minute, out-of-the-way spots and does a perfect job. The convenient, hand-fitting shape and light weight (12 oz.) make the operation simple and easy. Equipped with quick acting chuck, patented rotary switch and protective sleeve over chuck. Shipping wt., 1 lb.

9 P 2596—Complete with 6 CRAFTSMAN accessories.....\$18.50

COMPANION REG. U. S. PAT. OFF. DRILL PRESS

... Built for Substantial Service ... Low in Cost!

- Ball thrust-bearing absorbs spindle thrust.
- Auto-lubricating bronze spindle bearings.
- Quill is graduated full 3 inches in $\frac{1}{16}$ -inch divisions.
- Quill provided with mortising collar. Uses standard attachments.
- Spindle provided with stop collar for drilling a series of holes to same depth.
- Universal type semi-steel head.
- "Feather-touch" clamp locks head to column.
- Extra sturdy base serves as auxiliary table. Unusually heavy, rigid table.

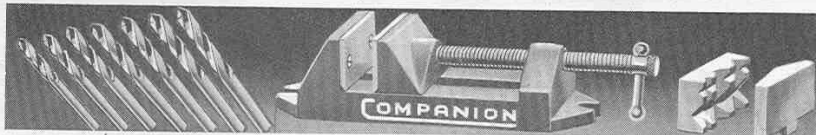
Fine design! Quality construction! Smooth operation! An outstanding drill press in every way—and a super-value! Fully capable of handling mortising, shaping, carving, and routing as well as drilling. Wide range of 7 speeds allows efficient work to be done on either metal or wood. Precision-ground steel spindle is cushioned against thrust by high-grade ball thrust bearing. Extra large auto-lubricating bronze bearings increase smoothness and long life. Quill of high quality steel, finely machined. Accurately cut teeth mesh with wide faced steel feed pinion. Spindle unit balanced for ultra-sensitive feeding. Table is slotted and accurately ground. Can be had with idler assembly for lineshaft drive (see small illustration at right) at \$2.50 extra on original order only. If ordered later, see 9 P 2371 listed below.

99 PM 2378—COMPANION Drill Press, complete with "V" belt, 4-step motor pulley, and $\frac{1}{2}$ -in. 3-jaw chuck, less motor. Equipped with motor bracket. For idler drive add \$2.50 to selling price and specify "Idler Drive." Shipping weight, 60 pounds. \$15.75

99 PM 2373—Same as above but with COMPANION $\frac{1}{2}$ -H.P. 110-volt 60-cycle ball bearing motor. Shipping weight 102 pounds \$25.50

99 PM 2369—Same as 99 PM 2378 above but fitted with $\frac{1}{16}$ to $\frac{1}{2}$ -in. capacity Jacobs' chuck. Without motor. Shipping weight, 60 pounds \$19.50

9 P 2371—Belt and idler assembly only for lineshaft drive. (No credit for return of old motor bracket.) See 99 PM 2378 above for cost as original equipment. Shipping weight, 7 pounds. \$3.60



CRAFTSMAN Twist Drills

Finest quality. The product of master drill makers. Seven sizes in each set: $\frac{1}{16}$, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$ and $\frac{1}{2}$ inch in handy wooden box. Shipping weight, 6 ounces.

9 P 6686—Set of 7 High Speed Steel Twist Drills. Particularly recommended for use with drill presses and electric drills \$1.75

9 P 6685—Set of 7 High Carbon Steel Twist Drills 75c

COMPANION Drill Vise

Increase the range of work your drill will handle with this high quality vise. Priced at about one-third what is usually asked for similar quality vises. Strongly built. Complete with two extra jaws, one for round or irregular work and swivel block jaw for tapered pieces. Oxidized, non-rusting finish. Accurately cut screw with knurled end for fast action and bar for locking. Over all length, 10 $\frac{1}{4}$ inches. 2 $\frac{3}{8}$ inch jaws open 3 inches. Extra jaws included. Practically indispensable in handling tapered pieces and round objects such as pipe, rod, etc. Shipping weight, 4 pounds.

9 P 2436 \$2.19



\$15⁷⁵
LESS MOTOR
\$25⁵⁰
WITH MOTOR

SPECIFICATIONS

- Height, over all: 31 in.
- Width, over all: 9 $\frac{1}{4}$ in.
- Depth with motor: 24 in.
- Table to chuck jaws: 7 $\frac{3}{4}$ in.
- Base to chuck jaws: 10 $\frac{1}{2}$ in.
- Spindle travel: 3 in.
- Column diameter: 1 $\frac{1}{2}$ in.
- Chuck capacity: $\frac{1}{2}$ in.
- Table travel: 7 $\frac{1}{2}$ in.
- 7 speeds: 700, 1075, 1300, 1725, 2300, 2760, 4000.
- Table size: 7 $\frac{1}{2}$ x 7 $\frac{1}{2}$ in.
- Drills to center of 12-in. circle.

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

COMPANION Drill Press equipped with idler assembly

Hollow Chisel Mortising

Cut mortises quickly with perfectly square ends or drill square holes by using this equipment. Shipping weight, 3 pounds.

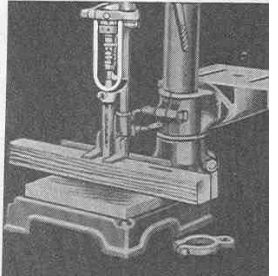
9 P 2461—Mortising Chisel Housing. \$1.50

9 P 2451—Collet Chuck for use with mortising bits. Shipping weight, 3 ounces. 69c

Hollow chisels and bits for use with 9 P 2461 mortising attachment. Same size chisel and bit must be used together. State size.

9 P 2420—Hollow Chisel. Sizes, $\frac{1}{4}$ in., $\frac{3}{8}$ in., and $\frac{1}{2}$ in. Shipping weight, 4 oz. \$1.45

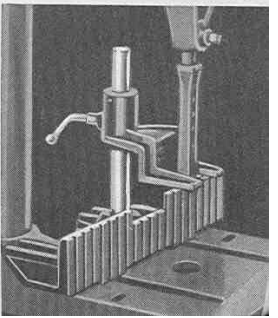
9 P 2422—Mortising Bit. Sizes, $\frac{1}{4}$ in., $\frac{3}{8}$ in., $\frac{1}{2}$ in. Shipping weight, 4 oz. \$1.25



Hold-Down Guide and Bracket

This accessory is indispensable in mortising, as it prevents the work from being lifted when chisel is raised. Adjustable guide insures straight line mortises. Shipping weight, 6 pounds 6 ounces.

9 P 2457—Hold-Down Guide and Bracket for Mortising \$1.90



CRAFTSMAN ALL-PURPOSE

REG. U. S. PAT. OFF.

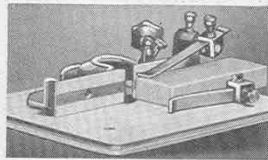
Users Agree It's the Biggest Value in

Use the CRAFTSMAN All-Purpose Drill Press and know the satisfaction of producing fine mouldings, square or rectangular holes, dovetail joints, etc.,—smoothly, easily, and with precision. Know, too, the year-after-year service assured by CRAFTSMAN'S modern design and sturdy, tested construction.

Here's why the CRAFTSMAN is truly a finer, more modern drill: Spindle whip (forces transmitted through the pulley assembly to the spindle) was once the cause of rough operation in drills—until Sears removed the fundamental trouble and evolved this new type of drive. In this drive the pulley is mounted on a long steel sleeve which is mounted on a double-row SKF ball bearing accurately fitted into the drill head . . . mounted independent of the spindle the pulley transmits no undesirable stresses to it! A basic CRAFTSMAN improvement which produces drill presses that stand out because of their smooth, efficient performance.

Widen the range of usefulness of your CRAFTSMAN Drill Press with the accessories shown below. You can actually produce more than 50 different shapes of moulding edges with Sears high quality shaper cutters—all skillfully made to enable your drill to perform extra services, to turn out the professional type of work that's a joy to the true craftsman. Notice also the equipment for hollow chisel mortising (cutting square holes), for making dovetail joints, for doing routing, carving, inlay work, etc. You'll find the CRAFTSMAN handles these jobs so easily that it will be your favorite tool.

ACCESSORIES FOR SHAPING OPERATIONS ON DRILL PRESS



Shaping Attachment

Large, 14½x18-inch finely finished plywood table, fitted with adjustable guard and guide. With hold-down clips and fittings. Shipping weight, 17 pounds.
9 P 2430—Complete attachment for drill press. **\$7.95**
9 P 2428—Guard and guide only. Shipping weight, 4 pounds 12 ounces. **\$2.85**
9 P 2455—Spring clips only. Shpg. wt., 3 lbs. 14 oz. **\$1.65**



Drill Press Adapter

Handy, efficient, expertly designed. This adapter takes ½-inch bore shaper cutters shown at right. To mount it on the tapered spindle, the chuck and the knurled collar above the chuck are removed, and the adapter is placed on the spindle. Then the collar is replaced and locks the adapter in place. Shipping weight, 7 ounces.
9 P 2435..... **95c**



- | | | | | | | |
|---|---|---|---|---|---|---|
| 9 P 2319
¼-inch
Shaper
Cutter
80c | 9 P 2321
½-inch
Shaper
Cutter
80c | 9 P 2323
1-inch
Shaper
Cutter
95c | 9 P 2325
1-inch
Shaper
Cutter
95c | 9 P 2327
1-inch
Shaper
Cutter
95c | 9 P 2329
1-inch
Shaper
Cutter
95c | 9 P 2331
Table and
Rule Joint
Bead Cutter
95c |
|---|---|---|---|---|---|---|

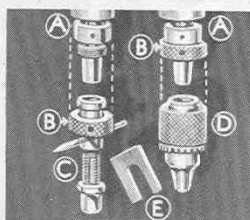
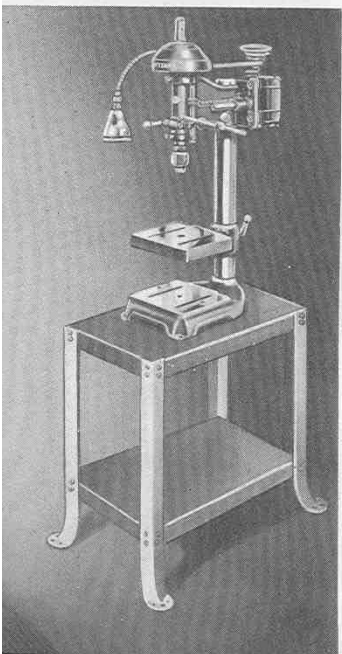
Sizes given are height of cutter. Shipping weight of all items above is 4 oz.



- | | | | | | |
|---|---|---|---|--|---|
| 9 P 2333
Straight
Face
Cutter
95c | 9 P 2335
Table and
Rule Joint
Cove Cutter
95c | 9 P 2365
Matched Set
Tongue and
Groove Cutters
\$1.85 | 9 P 2367
Guide Col-
lars, ½-inch
hole.
\$1.29 | 9 P 2433
Adapter
for small
cutters
35c | 9 P 2465
Cutter
Lock
Nut
7c |
|---|---|---|---|--|---|

Shipping weight of all items above is 6 ounces.

ACCESSORIES FOR DOVETAILING AND MORTISING



Tapered Spindles

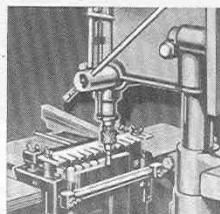
Permanently installed in drill by master mechanics to run true, stay accurate. Lower end of spindle (A) is tapered below threaded part to handle all accessories. Wedge (E) may be used to remove chuck (D). Knurled ring (B) is threaded inside; fits on outside of collet chuck or shaper adapter (C) and securely locks them in position.

Machine Stand

Strong, rigid, all-metal stand for CRAFTSMAN Drill Press. Top 16x21 in. Tool shelf. Specify 16x21x31-in. size. Shipping weight, 39 lbs.
99 P 2719..... **\$5.65**

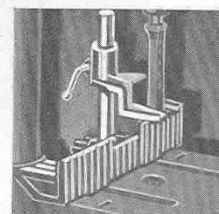
Tool Light

Especially for power tool use. Fits drill press. Throws light exactly where wanted—not in your eyes. Has 15-in. flexible neck, reflector, cord and plug. Shipping weight, 1 lb. 12 oz.
9 P 2264..... **\$1.60**



Dovetailing Attachment

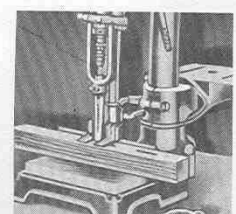
With this attachment you can make perfect dovetail joints. Both members are cut simultaneously. No special skill is required. Attachment consists of a steel comb, slotted to guide shank of router cutting to a pre-determined depth. End plates together with screw fittings for attaching the above guide or comb, clamps for holding work, and a ½-inch dovetail router are included. Ends of pieces to be dovetailed are held at right angles in clamp so that cutter may be guided through one piece and into the other. U.S. patent number 1651510. Shpg. wt., 4 lbs. 1 oz.
9 P 2462—Dovetail attachment set and instructions..... **\$5.45**



Hold-Down Guide

Indispensable in mortising as it prevents the work from being lifted when chisel is raised. Adjustable to control position of mortise. Keeps the work lined up and mortises straight. Bolts to regular drill press table. Easy to use. Adjustable for thick or thin material. Fence part can be used without hold-down as a guide in routing, inlay work, etc. Heavy gray iron construction. Sturdy polished clamp on hold-down. Fingers on hold-down are long enough to securely hold work. Can be used on 99 PM 2380 (on opposite page) and 9 PM 2387 (on Page 30) Drill Presses. Shpg. wt., 6 lbs. 6 oz.

9 P 2457—Hold-Down Guide and Bracket for Mortising..... **\$1.90**



Hollow Chisel Mortising

9 P 2461—Mortising Chisel Housing. Mounts on quill of drill press. Used with collet chuck, chisels and bits listed below. Shipping weight, 3 pounds. **\$1.50**

9 P 2450—Collet chuck for tapered spindle. Shipping weight, 6 ounces. **89c**

9 P 2420—Hollow Chisel for 9 P 2461. Sizes, ¼-in., ⅜-in., and ½-in. State size. Shipping weight, 4 oz. **\$1.45**

9 P 6458—Special Mounted Grinding Point for sharpening hollow mortising chisels. Shipping weight, 3 ounces. **48c**

9 P 2422—Mortising Bit for 9 P 2461. Sizes, ¼-in., ⅜-in., ½-in. State size. Shipping weight, 4 ounces. **\$1.25**

DRILL PRESS

Drill Press History

- Full-floating spindle—any side-pull from belt on spindle is carried on a large deep-groove two-row **SKF** ball bearing.
- 5/8-in. splined spindle mounted in quill entirely independent of pulley mounting on two more sets of precision **SKF** ball bearings.
- Equipped with 1/16 to 1/2-in. genuine Jacob's key chuck.
- Special depth gauge construction eliminates rotational play in quill.
- Drills to center of a 12 3/4-inch circle.
- Smooth, uniform feeding assured by heavy ground steel quill with integral accurately cut teeth.
- Accurate indexed swivel table can be tilted to any angle.
- External depth gauge equipped with knurled lock nuts and is graduated in sixteenths of an inch.
- Base is machined to serve as auxiliary table.

SPECIFICATIONS

Over-all height: 36 inches.
 Over-all width: 10 3/4 inches.
 Over-all depth with motor: 24 inches.
 Chuck: Jacob's geared type. 1/16 to 1/2-in. capacity.
 Maximum distance, table to chuck jaws: 11 inches.
 Spindle travel: 3 in. Spindle has splined drive.

Table travel: 11 inches.
 Distance, chuck to base: 15 1/2 in.
 Bearings: Deep groove **SKF** 3 sets, 4 rows of bearings.
 Steel column diameter: 2 1/4 in.
 Number of speeds: 9.
 Speeds: 600, 760, 1000, 1300, 1800, 2400, 3300, 4000, and 5200 R.P.M.
 Table size: 8 by 9 inches.

The CRAFTSMAN is an outstanding example of Sears amazing progress in drill press performance. Here's a machine that is really five machines in one. You can easily convert this press into an efficient spindle shaper—or use it for mortising, routing, sanding and dovetailing with equally fine results.

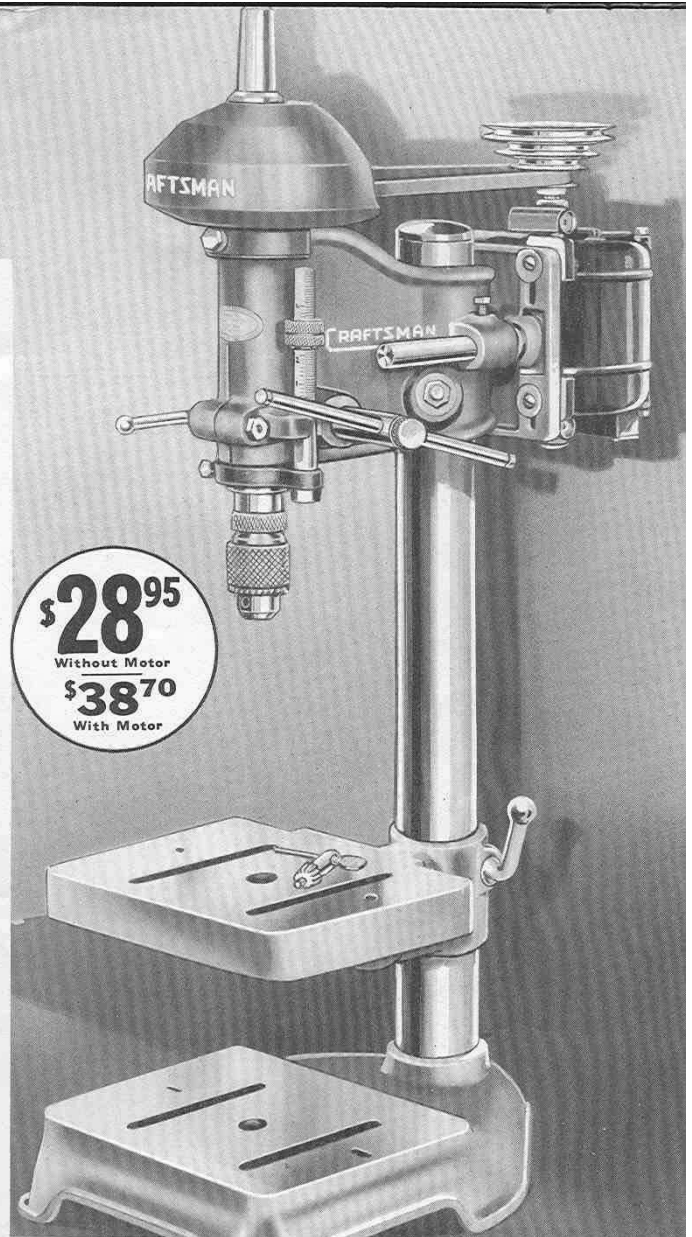
From the tip of its spindle to the carefully machined base it represents top-notch value. It is built throughout of the finest materials, machined with painstaking skill. The genuine Jacob's chuck supplied as standard equipment is the most accurate obtainable.

This is the first drill press with full-floating ball bearing spindle ever offered at this low price. Three heavy duty deep groove **SKF** ball bearings are used. The drive pulley is mounted on a heavy steel sleeve which is accurately fitted into a heavy duty double row **SKF** ball bearing which in turn is securely anchored in the main frame of the drill. This whole assembly is entirely independent of the spindle. The spindle is carried entirely separately from the drive pulley on two sets of large **SKF** ball bearings. Any belt pull which comes on the drive pulley will be absorbed by the double-row **SKF** bearing and will not be transmitted to the spindle. Two rows of bearings in the pulley bearing and two large single-row **SKF** ball bearings in the quill provide 4 rows of ball bearings and insure smooth operation. The quill is made of solid steel, accurately ground. The teeth for receiving feed pinion are milled into it. A quickly adjustable stop gauge indicates at all times the depth of holes being drilled.

99 PM 2380—CRAFTSMAN Drill Press, less motor. Complete with 1/16 to 1/2-in. Jacob's chuck and key, endless "V" belt, and motor pulley. Shipping weight, 85 pounds..... **\$28.95**

99 PM 2385—Same as above but with 1/4-H.P. ball bearing double shaft motor No. 99 P 5607. See Page 37. Shpg. wt., 112 lbs..... **\$38.70**

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



\$28⁹⁵
 Without Motor
\$38⁷⁰
 With Motor



CRAFTSMAN Twist Drills

Highest quality twist drills in handy wooden box. Fast drilling—long lasting. Seven sizes in each set; 1/16, 3/32, 1/8, 5/32, 3/16, 7/32 and 1/4 inch. Shipping weight, 6 ounces.

9 P 6686—Set of 7 High Speed Steel Twist Drills. Particularly recommended for use with drill presses and electric drills.... **\$1.75**

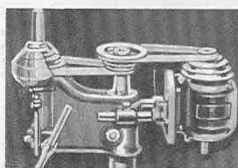
9 P 6685—Set of 7 High Carbon Steel Twist Drills. **75c**



COMPANION Drill Vise

Used to hold work on drill press table—gives greater convenience, accuracy. Oxidized, non-rusting finish. Accurately cut screw with knurled end for fast action and bar for locking. 2 3/4-in. jaws open 3 inches. Over all length, 10 1/2 in. Complete with 2 extra jaws for round or irregular work, and swivel jaw for tapered pieces. Shipping weight, 4 pounds.

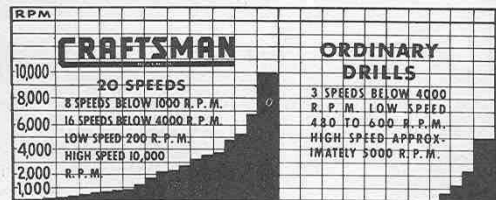
9 P 2436..... **\$2.19**



Multi-Speed Attachment

Particularly useful on drilling metal which requires slow speeds or in routing and carving which require high speeds. (See chart at right.) Attached or removed in 3 minutes. U. S. patent number 2073704. Shipping weight, 5 pounds.

9 P 2397—Complete slow speed spindle drive and 2 Vee belts, ready to use..... **\$5.75**



The Right Speed for Every Job

What a range of speeds! Charted above, they give reason enough why you're sure of better results with the CRAFTSMAN Drill Press — why CRAFTSMAN and COMPANION tools outtell all others! The CRAFTSMAN Drill Press fitted with our patented multi-speed attachment will provide 20 different speeds ranging from 200 R.P.M. (half the speed of ordinary slow speed drills) to over 10,000 R.P.M. Low speeds for metal work, high speeds for carving, shaping, etc. Of these 20 speeds 8 are below 1,000 R.P.M. and will take care of slow speed requirements. There are 10 more speeds between 1,000 R.P.M. and 10,000 R.P.M.



- (A) 9 P 2450 Collet Chuck for tapered spindles **89c**
- (B) 9 P 2400 1/8-inch Router **59c**
- (C) 9 P 2401 1/4-inch Router **59c**
- (D) 9 P 2402 3/8-inch Router **65c**
- (E) 9 P 2403 1/2-inch Router **75c**
- (F) 9 P 2404 3/4-inch Router **85c**
- (G) 9 P 2405 1-inch Router **90c**
- (H) 9 P 2409 1/4-in. Dove-tail Router **59c**
- (J) 9 P 2410 3/8-in. Dove-tail Router **59c**
- (K) 9 P 2411 1/2-in. Dove-tail Router **59c**
- (L) 9 P 2415 1/2-in. Router Carving Bit **85c**
- (M) 9 P 2416 3/4-in. Router Carving Bit **85c**

Shipping weight of each cutter above is 6 ounces.

CRAFTSMAN HEAVY

REG. U. S. PAT. OFF.

WITH SEARS EXCLUSIVE

- Spindle drive pulley is mounted on steel sleeve which rotates on two SKF deep groove ball bearings mounted in head eliminating all transverse belt pull on spindle.
- 5/8-inch special steel spindle mounted in quill on two more SKF precision type SKF deep row heavy duty ball bearings.
- Perfectly balanced automobile type splined drive spindle transmits a smooth even flow of power.

Built for the man who wants the finest quality! Produced with the greatest care to insure fine balance of rotating parts. Sliding parts such as the quill, etc. are precision ground. Drive spindles are splined like the drive-shaft of your automobile. Accurate, easily read depth gauge is graduated for entire 4-inch feed range in 1/16-inch divisions; has knurled stop nuts. Efficient quill lock holds quill securely for routing and carving operations. Carefully machined table tilts to any angle. Nine speeds, from 600 to 5200 R.P.M. Equipment includes high quality 0 to 1/2-inch Jacob's chuck with key. For you who know good power tools and are satisfied with nothing less than the finest, we recommend the CRAFTSMAN Heavy Duty Drill Press.

SPECIFICATIONS: BENCH MODEL

Over-all height: 41 inches.	Chuck: 0-1/2-in. Jacobs.
Over-all width: 11 3/4 inches.	Table travel: 13 inches.
Over-all depth: 24 inches.	Number of SKF heavy duty ball bearings: 4.
Maximum distance from table to chuck jaws: 13 in.	Number of speeds: 9; 600, 760, 1000, 1300, 1800, 2400, 3300, 4000 and 5200 R.P.M.
Maximum distance base to chuck jaws: 19 inches.	Table size: 10x10 in.
Spindle: travel, 4 inches; 6 automobile type splines.	Drills to center of 15-inch circle.
Diameter of column: 2 3/4 in.	

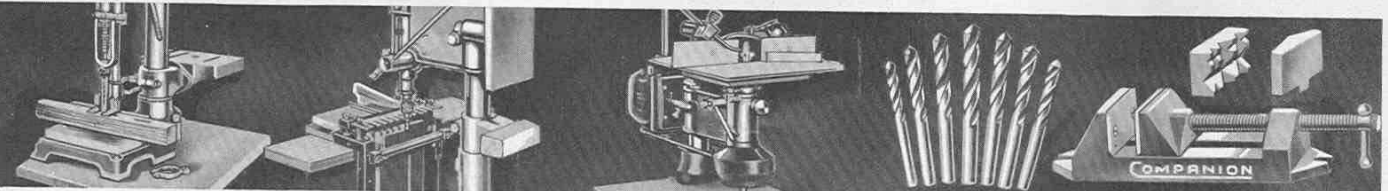
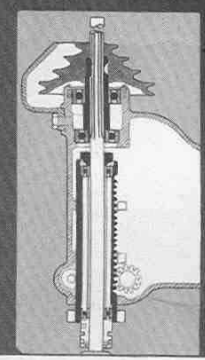
99 PM 2387—CRAFTSMAN Heavy Duty Bench Model Drill Press, with motor pulley, belt and 0 to 1/2-in. Jacob's chuck. Shipping weight, 119 pounds..... **\$36.90**

99 PM 2388—CRAFTSMAN Heavy Duty Bench Model Drill Press, with motor pulley, belt and 1/3-H.P. 110-120 volt, 60-cycle A.C. motor. Shipping weight, 149 lbs.... **\$46.65**

9 P 2394—Speed Reducer to convert above drill into slow speed model. See opposite page for full description. Shipping weight, 5 lbs.. **\$5.75**

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

\$36⁹⁰
Less Motor
\$46⁶⁵
With Motor



Hollow Chisel Mortising

For fine cabinet work and joinery. Cut accurate mortises quickly with perfectly square ends, or drill square holes.

9 P 2461—Mortising chisel housing for drill press. Shipping weight, 3 pounds..... **\$1.50**

9 P 2457—Hold-down guide. Shipping weight, 6 lbs. 6 oz. **\$1.90**

9 P 2420—Hollow chisels for use with 9 P 2461 attachment. Highest quality. Sizes 1/4, 5/8, and 1/2-in. Specify size. Shipping wt., 4 oz. **\$1.45**

9 P 6458—Stone for sharpening above chisels (illustrated on Page 20). Shipping weight, 3 oz. **45c**

9 P 2422—Mortising bit for use with above attachments. Highest quality. Sizes 1/4, 5/8 and 1/2-in. Specify size. Shpg. wt., 4 oz. **\$1.25**

Dovetailing Attachment

By using the attachment shown above you can cut dovetails that make perfect joints because you cut both members simultaneously. No special skill is required. Attachment consists of a comb, slotted to guide shank of router cutting to a predetermined depth. End plates together with screw fittings for attaching the above guide or comb and clamps for holding work, and a 1/2-in. dovetail router are included. Patent number 1651510.

9 P 2462—Dovetail attachment. Set complete with router and instructions. Shipping weight, 4 pounds 1 ounce..... **\$5.45**

Shaping Attachment

You can convert your CRAFTSMAN Heavy Duty Drill Press into a spindle shaper by inverting the head bracket and motor assembly, placing the new and improved extension table over it. This new type shaping attachment can also be used with the drill head in its normal position. For detailed illustration of guard and guide and for cutters of various shapes see Page 28.

9 P 2430—Extension table for spindle shaping. With guard guide and spring clips. Size, 14 1/2 in. x 18 in. Shpg. wt., 17 lbs. **\$7.95**

9 P 2435—Shaping adapter for 1/2-in. bore cutters. Shpg. wt., 7 oz. **95c**

CRAFTSMAN Twist Drills

Finest quality twist drills. Made by America's leading drill manufacturer. Seven sizes in each set: 1/16, 3/32, 1/8, 5/32, 3/16, 1/4 and 5/16 in. In handy wooden box. Shipping weight, 6 oz.

9 P 6686—Set of 7 High Speed Steel Twist Drills. Particularly recommended for use with drill presses and electric drills..... **\$1.75**

9 P 6685—Set of 7 High Carbon Steel Twist Drills **75c**

COMPANION Drill Vise

Increases the range of work your drill will handle. Strongly built. Oxidized, non-rusting finish. Accurately cut screw with knurled end for fast action and bar for locking. Complete with 2 extra jaws for round or irregular work and swivel block jaw for tapered pieces. Particularly valuable when drilling small pieces which are hard to hold. Over-all length, 10 1/2 in. 2 3/4-in. jaws open to 3 in. Taper and swivel jaws are included. Shipping weight, 4 pounds.

9 P 2436..... **\$2.19**

DUTY DRILL PRESSES

"FLOATING DRIVE" FEATURE

- Longitudinal adjustment provided for between spindle and quill. Quality construction.
- Genuine 0 to 1/2-inch Jacobs key chuck.
- Heavy duty quill lock is of type used on most expensive machines; positive in action.
- New "Feather Touch" locking device secures head to column practically without effort.
- Heavy steel tube column, 2 3/4-inch diameter, carefully machined and ground.
- Graduated depth gauge is milled flat and prevents rotational play in quill.
- Table may be tilted to any desired angle.
- Table and base are slotted for securing mortising and shaping attachments, jigs, fixtures, etc.

Several years ago Sears determined to offer the power tool users of America a finer, more accurate, smoother operating drill press than any that was then available. An intensive study of all drill press problems revealed that none of the existing types of construction would overcome one of the most common faults in all drill presses. Spindle whip, as the investigation proved, was responsible for rough operation in drill presses. Spindle whip is caused by forces being transmitted through the pulley assembly to the spindle. To overcome this undesirable characteristic Sears developed a type of construction entirely new to the field and called it "Floating Drive."

In the CRAFTSMAN Heavy Duty Drill Presses presented on these pages, the drive pulley is mounted on a heavy tubular steel spindle which is supported on two sets of heavy duty deep-row ball bearings in the drill head—entirely independent from the spindle. This unit absorbs all side pull from the belt and transmits only a rotational force to the spindle. The spindle itself is also mounted in two sets of heavy duty deep-row ball bearings within the quill as shown in the small illustration on the opposite page. This is a basic improvement that produces in CRAFTSMAN Heavy Duty Drill Presses the finest, smoothest, most accurate operation obtainable.

99 PM 2392—CRAFTSMAN Heavy Duty Floor Type Drill Press, with motor pulley, belt and 0 to 1/2-in. Jacob's chuck. With standard pulley guard such as is shown on number 99 PM 2387 on opposite page. Without motor. Shipping weight, 150 pounds. \$39.95

99 PM 2393—Same as 99 PM 2392 above but with 99 P 5607 COMPANION 1/3-H.P. ball bearing 110-120 volt, 60-cycle A.C. motor. Shipping weight, 180 pounds. \$49.70

99 PM 2399—Same as 99 PM 2392 but equipped with new streamlined belt and pulley guard. Without motor. Shipping weight, 159 pounds. \$48.95

99 PM 2390—Same as 99 PM 2392 but equipped with new streamlined belt and pulley guard and COMPANION 1/3-H.P. ball bearing 110-120 volt, 60-cycle A.C. motor. Shipping weight, 198 pounds. \$58.70

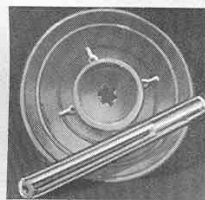
BELT AND PULLEY GUARD. This guard is made from aluminum and is hinged at the side to make belts and pulleys accessible for speed changing. Fits bench or floor model, offers new degree of safety. Shipping weight 9 pounds.

9 P 2398 \$9.00

SPECIFICATIONS Floor Type Model

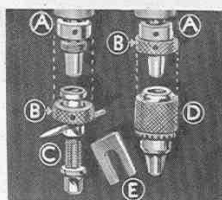
- Over all height: 71 inches.
- Over all width: 18 inches.
- Over all depth: 30 inches.
- Maximum distance from table to chuck jaws: 42 inches.
- Maximum distance from base to chuck jaws: 48 inches.
- Table travel: 41 inches.

Base is slotted so that it can be used as a drill table. All other specifications are identical with number 99 PM 2387 bench type model on opposite page.



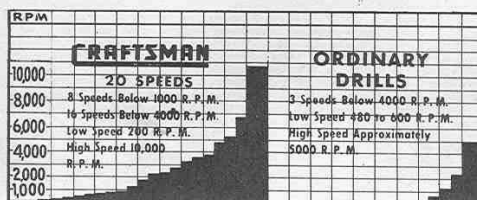
6-Splined Drive Spindles

Automobiles have long been driven by splined drive shafts because they transmit power smoothly, are free from excessive back lash and last longer. For these very same reasons all our drill presses have splined automotive type drive spindles. While more costly than the key and key-way type of drive the splined spindle produces results which more than repay this difference. Spindle and pulley illustrated above. The internal and external splines are both produced by the most accurate methods and of the best materials.



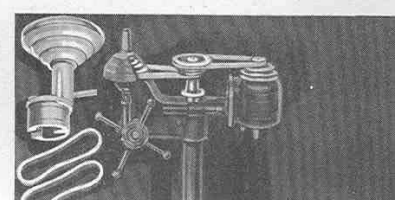
Simplified Tapered Spindles

These accurately made spindles permanently installed in the drill by master machinists equipped with the finest tools will run true and remain accurate. The lower end of the spindle (A) is tapered. Such a taper will accommodate Jacobs' chucks, collet chucks, shaping adapters or other accessories. Wedge (E) may be used to remove chuck (D). The knurled ring (B) is threaded inside and must be used to lock shaper adapter (C) or collet chucks in place. Accessories are installed in a manner approved by experienced precision tool makers.



Proper Drill Speed Available for Every Kind of Work

Ordinary drill presses have from 4 to 7 speeds ranging from slightly over 500 R.P.M. to about 5000 R.P.M. The low speed is too high for 1/2-in. carbon steel drills when cutting metals. The top speed is not fast enough if much shaping or carving is to be performed. Drill presses called "slow speed" have a low speed of about 400 R.P.M.—not much slower than the regular drills. The CRAFTSMAN drill press may be fitted with our patented multi-speed attachment which will provide 20 different speeds ranging from 200 R.P.M. (half the speed of ordinary slow speed drills) to over 10,000 R.P.M. See chart above. Of these 20 speeds 8 are below 1000 R.P.M. and take care of slow speed requirements. There are 10 more speeds between 1000 R.P.M. and 10,000 R.P.M. This wide range of speeds will accommodate all specialty work, carving, shaping, etc. This outstanding development is another evidence of Sears desire to more accurately serve their customers' requirements.



Multi-Speed Drill Press Attachment

The adaptability of CRAFTSMAN drills to a wide range of uses calls for a wide speed range. Slow speeds are essential for drilling in metal, and for hollow chisel mortising and certain other operations. On the other hand high speeds of 8,000 to 10,000 R.P.M. are desirable for routing, carving, shaping, etc. The chart at left shows how the CRAFTSMAN multi-speed attachment (Patent number 2073704) enables you to get the most out of your drill by having a wide range of speeds available. Finest ball bearing construction, designed so belt tensions are easily adjusted. Complete with belts, etc., ready to use. Can be installed in less than 5 minutes. Shipping weight, 5 pounds.

9 P 2394 \$5.75



COMPANION UTILITY DRILL a General Purpose Tool

- Takes drills up to 1/4-inch.
- Ball bearing takes up end thrust.
- Double reduction gears; give extra power.
- Universal motor for 110-120 volt A.C. or D.C.
- Has pistol grip and toggle switch.
- Spindle speed, approximately 1500 R.P.M.

A sturdy, dependable drill for general work around the shop, garage and home. Light—but it packs lots of power! Compact and well balanced, it runs smoothly and efficiently. Well made of quality materials this COMPANION Drill will give excellent service. This drill represents the most service and satisfaction ever offered anywhere near this price. A fine tool for the home shop. Equipped with 3-jaw chuck, capacity up to 1/4-inch drills. Has well made double reduction gear train. Complete with rubber covered cord and plug. Shipping weight, 6 pounds 6 ounces.

9 P 2575 \$10.60

COMPANION "PENCIL" DRILL a Close Quarter Tool

- Genuine Jacob's chuck takes straight shank drills up to 1/4-inch.
- Dynamically balanced Westinghouse universal type motor.
- Reducing gears accurately made of finest alloy steel, carefully heat treated.
- High quality ball thrust bearing on chuck spindle sealed in oil.
- No-load speed, 1200 R.P.M.

A high quality lightweight drill with removable handle that permits you to get into the most cramped quarters. Ideal for any job requiring quality combined with light weight. Finely finished, accurately balanced; a handsome tool that you'll be proud to own, one that'll give you years of troublefree service. For use on 110-120 volt A.C. or D.C. Full load wattage of 125. Over all length, 12 1/2 inches. Complete with handy toggle switch and 8-foot rubber covered cord and plug. Shipping weight, 5 pounds 1 ounce.

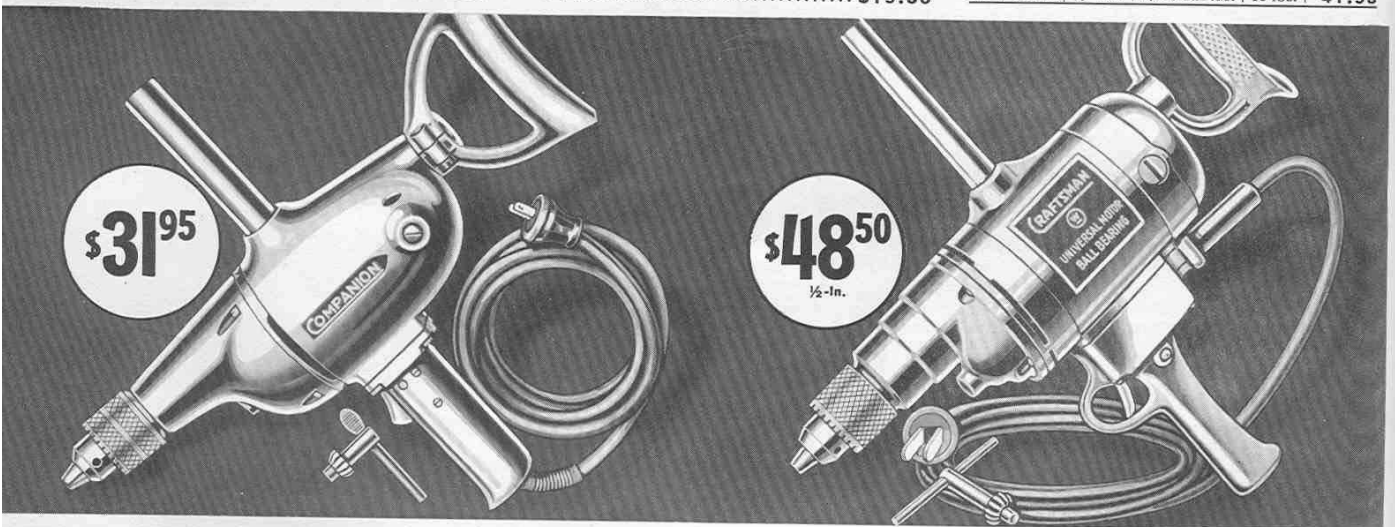
9 P 2576 \$19.50

CRAFTSMAN HEAVY DUTY BALL BEARING DRILL

- Equipped with genuine Jacob's chuck.
- Dynamically balanced Westinghouse heavy duty universal motor.
- Armature and chuck spindles run on oversize ball bearings, sealed in oil.
- Heavy double pole trigger switch.
- Spindle, gear and pinion are chrome nickel steel, precision cut.

Designed to have plenty of surplus POWER. We guarantee it will not stall when used with maximum size drill specified below. One of the very finest electric drills made anywhere regardless of price. Operates on 110-120 volts A.C. or D.C. Fitted with genuine Jacob's key chuck, and 3-conductor rubber covered cord with plug. Over all length, 13 1/2 inches.

Catalog No.	Size Drill	No Load Speed	Shpg. Wt.	Price
99 P 2580	1/4 inch	2,000 R.P.M.	10 lbs.	\$35.90
99 P 2581	3/8 inch	1,500 R.P.M.	10 lbs.	38.45
99 P 2582	1/2 inch	1,000 R.P.M.	10 lbs.	41.95



COMPANION 1/2-Inch DRILL An Outstanding Value

- Equipped with genuine 1/2-inch Jacob's key type chuck.
- Westinghouse Universal Motor, 110-120 volt A. C. or D. C. No-load spindle speed: 400 R. P. M.
- Heat treated alloy steel gears, pinions, motor shaft and chuck spindle give longer service.
- High quality ball thrust bearing on spindle.
- Double pole automatic releasing switch.

Full 1/2-inch capacity Jacob's chuck—alloy steel gears—ball thrust bearings—the features you want in your drill at a price that is very low. Has strong, handsome aluminum alloy housing. Self-lubricating "oilite" bearings. Westinghouse motor operates on A.C. or D. C., 110-120 volts. Complete with 1/2-in. Jacob's chuck and key, 10-foot 3-conductor rubber covered cord and plug. Length, 16 inches over all. Shipping weight, 12 pounds.

99 P 2584 \$31.95

9 P 2593—1/2-inch Grinding Arbor for use with electric drills. (Do not use with wheels larger than 4-inch diameter.) Shipping weight, 6 ounces. \$4.00

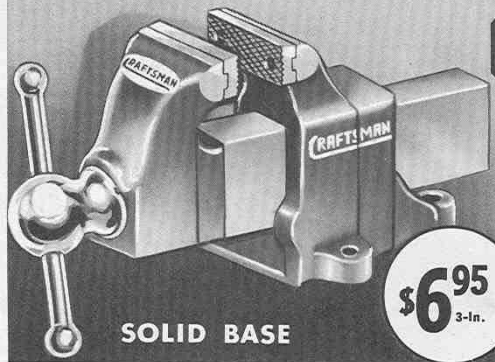
Easy Terms
ON ORDERS OF
20 OR MORE
-SEE INSIDE
FRONT COVER

CRAFTSMAN Extra Heavy Duty Ball Bearing PRODUCTION DRILL

- Equipped with genuine Jacob's key chuck.
- Westinghouse extra heavy duty universal ball bearing motor, dynamically balanced.
- Highest quality alloy steel spindle, runs on heavy duty ball bearings sealed in oil.
- Armature shaft runs on oil sealed ball bearings.
- Extremely high torque supplied through accurately made, heat treated triple reduction gears.
- Heavy double pole switch has continuous action catch.

Built for heaviest production work! Thousands sold for use in auto repair shops, factories and mills. We guarantee it won't stall on any job, when used with largest drill size specified. Fitted with finest heat treated alloy steel triple reduction gears to pull through the hardest jobs. Fine workmanship and materials assure you years of perfect operation. Operates on 110-120 volt A.C. or D.C. Full load wattage, 510. With Jacob's chuck, key and 10-foot heavy rubber covered 3-conductor cord and plug.

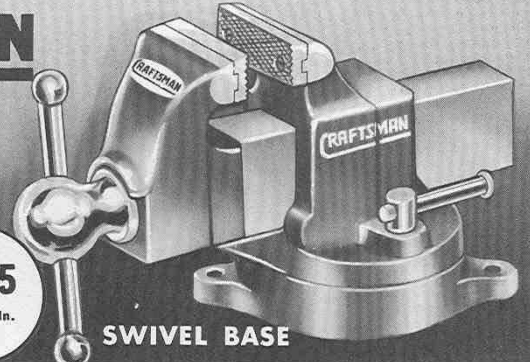
Catalog No.	Size Drill	No load Speed	Shpg. Wt.	Price
99 P 2585	1/2 inch	750 R.P.M.	25 lbs.	\$48.50
99 P 2586	3/4 inch	525 R.P.M.	26 lbs.	52.95
99 P 2587	1 inch	475 R.P.M.	27 lbs.	57.90



CRAFTSMAN

REG. U. S. PAT. OFF.

MACHINISTS' VISES



SOLID BASE

\$6⁹⁵
3-in.

\$8⁹⁵
3-in.

SWIVEL BASE

America's Finest Quality Extra Heavy—Extra Strong

Built for heaviest machine shop work. Guaranteed to stand up under roughest use. Sliding bar is milled on all four sides to close limit, accurately fitting the broached hole in base. Gray enamel finish. Complete with bolts. **Shipped freight or express.** Shipping weights same as actual weights. 5/8-in. jaw size and larger shipped prepaid from factory in Southern Illinois and you pay freight from there. Smaller sizes carried in stock.

Catalog No.	Jaws	Open to	Weight	Price
99 PM 5150	3 -inches	4 -inches	22 lbs.	\$ 6.95
99 PM 5151	3 1/2 -inches	5 -inches	31 lbs.	7.90
99 PM 5152	4 -inches	6 -inches	41 lbs.	8.90
99 PM 5153	4 1/2 -inches	6 1/2 -inches	59 lbs.	10.85
99 PM 5154	5 -inches	7 1/2 -inches	78 lbs.	14.00
99 PM 5155	5 1/2 -inches	8 1/2 -inches	101 lbs.	21.00
99 PM 5156	6 -inches	10 -inches	130 lbs.	27.30
99 PM 5157	7 -inches	12 -inches	226 lbs.	38.50
99 PM 5158	8 -inches	13 1/2 -inches	299 lbs.	52.50

• Semi-steel body, reinforced at all points of strain.

• Every part accurately milled and fitted.

• Cold rolled steel screw, head and handle

• Replaceable knurled tool-steel jaws, heat treated and hardened.

Oil Tempered Steel Jaws Sturdy Swivel Base

Finest materials and workmanship. No better vise made. Swivel base locks securely in any position and withstood 33 1/2% more pressure than other makes in tests at Armour Institute. Gray enamel finish. Complete with bolts. **Shipped freight or express.** Shipping weight same as actual weights. 5/8-in. jaw size and larger shipped prepaid from factory in Southern Illinois and you pay freight from there. Smaller sizes carried in stock.

Catalog No.	Jaws	Open to	Weight	Price
99 PM 5160	3 -inches	4 -inches	27 lbs.	\$ 8.95
99 PM 5161	3 1/2 -inches	5 -inches	36 lbs.	10.50
99 PM 5162	4 -inches	6 -inches	51 lbs.	11.90
99 PM 5163	4 1/2 -inches	6 1/2 -inches	69 lbs.	14.00
99 PM 5164	5 -inches	7 1/2 -inches	95 lbs.	21.00
99 PM 5165	5 1/2 -inches	8 1/2 -inches	123 lbs.	26.60
99 PM 5166	6 -inches	10 -inches	147 lbs.	36.40
99 PM 5167	7 -inches	12 -inches	254 lbs.	49.00
99 PM 5168	8 1/2 -inches	14 -inches	345 lbs.	68.60



CRAFTSMAN Apron

39c Made from excellent quality heavy white canvas with high front to protect the shirt. Extra long, full 42 inches, so as to come well below knees. Easy to put on; exceptionally well made; it saves many times its cost in clothes.

Has large, handy, strongly sewed pocket. You'll find others ask much more for aprons not as good as this one. Easily pays for itself when you consider the savings in wear and tear of your clothes. Shpg. wt., 9 oz.

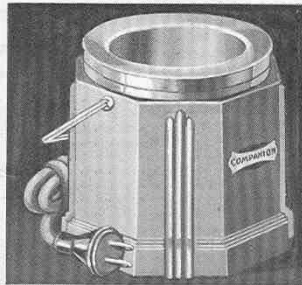
9 P 2950.....39c



Cast Iron Glue Pot

\$1¹⁰ With aluminum cup. Built like a double boiler. Outer cup of heat-retaining cast iron for water. Inner glue cup of non-corroding aluminum. Capacity of glue cup, 1/2 pint. Has convenient handle. Shipping weight, 4 lbs. 8 oz.

9 P 2887.....\$1.10



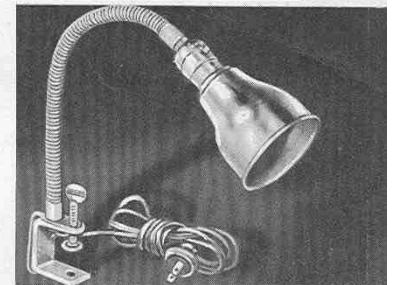
Electric Glue Pot

\$3⁷⁵ A necessity in every shop! A new and finer glue pot of dependable construction. Here's the latest in design and construction, with features that save you time and trouble.

No more adjusting of temperature for a thermostat automatically controls the heat. Heating element of new design and high quality is completely embedded in asbestos for utmost safety and long life. Polished aluminum with blue-enamelled gray iron frame. One pint capacity. Five feet of cord and unbreakable rubber plug.

Listed as Standard by Underwriters' Laboratories. Stir wire included. For 60-cycle, 110-120-volt A. C. only. Shipping weight, 6 lbs. 8 oz.

9 P 2892.....\$3.75



COMPANION Tool Light

\$1⁶⁰ One of the handiest aids to good work ever made. Perfected! Clamps on a tool in a jiffy and stays put. The 15-inch flexible neck lets you where you want it. New type adjustable clamp. An extra large reflector keeps the light out of your eyes—a real safety feature. Two or three of these in a well-equipped shop will save your eyesight and do away with work-hindering shadows.

Over all length, 23 inches. Complete with push switch in socket, clamp, cord and plug. A larger, handier, better constructed lamp—superior in every way to lamps costing a great deal more! Shipping weight, 1 pound 12 ounces.


9 P 2264.....\$1.60

Circular Hole Saw
For use with 1/2-in. drills or larger. Made of high speed steel. Complete with mandrel. State size.

Size, in.	3/4	1	1 1/4	1 1/2	2	2 1/2
Shpg. wt.	8 oz.	9 oz.	14 oz.	15 oz.	1 lb. 4 oz.	1 lb. 6 oz.
9 P 2698.....	\$2.25	\$2.25	\$2.25	\$2.25	\$2.45	\$2.90

Saw Blade Only for Circular Hole Saw

Size, in.	3/4	1	1 1/4	1 1/2	2	2 1/2
Shpg. wt.	5 oz.	6 oz.	8 oz.	9 oz.	12 oz.	15 oz.
9 P 2697.....	65c	65c	65c	65c	95c	\$1.35



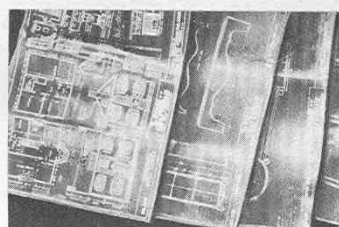
Easy Terms!
ON ORDERS OF \$20 OR MORE - SEE INSIDE FRONT COVER



Workshop Manuals

A valuable set of books—packed with important workshop data... replete with photographs and pen and ink illustrations. Latest is the Metal Lathe Operation Manual—the most complete of its kind available. Woodworking books have 72 pages. Metal Lathe Manual has 234 pages. Shpg. wt., set, 2 lbs.; each woodworking book, 7 oz.; Metal Lathe Manual, 1 pound.

9 P 2919—Set of 4 Woodworking books \$1.39
 9 P 2920—The Lathe.....40
 9 P 2921—The Drill Press.....40
 9 P 2922—The Band Saw and Jig Saw.....40
 9 P 2923—The Bench Saw, Jointer and Shaper.....40
 9 P 2925—Metal Lathe Manual.....95



Easy-to-Use Blueprints

Clear, easy to read and use! Your choice of 10 blueprints. Give all data necessary (materials needed, sketch of finished job, details of joints, directions for finishing, etc.). (1) Priscilla Sewing Cabinet, (2) High Back Lawn Chair, (3) Colonial Spinnet Desk, (4) Drop Leaf Table, (5) Garden Trellis, (6) Old West Silhouettes, (7) Work Bench, (8) Hanging Book Rack, (9) Cobbler's Bench Table Lamp, (10) Cedar Lined Chest. State print wanted. Shipping weight, each, 3 ounces.

9 P 2900—Each.....19c

MANY NEW THINGS FOR YOU TO MAKE

At your Sears Retail Store every month—big magazines full of helpful data on how to make and do things in and about the house. Fascinating new craftsman projects... with clear descriptions—large scale working drawings—plenty of photographs. Such complete instructions that you can easily make anything from a toy to a fine set of furniture—articles of proven usefulness actually made at the work bench! You'll value these magazines—keep them and use them time and again!

A Few of the Subjects in Past Issues

- | | |
|---------------------------|-------------------------|
| Rustic Furniture | Novel Duck Lamp |
| A Model 40-Foot Cruiser | Doll House Furniture |
| Pipe Rack | Castle for Toy Soldiers |
| Aquarium | Rustic Mail Box |
| A 20-Foot Sailing Sloop | New England Sled |
| Lawn Chairs | Simple Ship's Lantern |
| Interesting Bird Houses | Four-Poster Bed |
| Antique Sewing Table | 18th Century Secretary |
| Model of U. S. S. Niagara | Old "Shaker" Rocker |
| Butterfly Table | Scroll Saw Novelties |
| Well Designed Andirons | Double Deck Fireplace |
| Child's Kitchen Cabinet | Boathouse |



ON SALE EVERY MONTH AT SEARS RETAIL STORES

COMPANION POLISHING OUTFIT



\$2²⁹
Complete

Handiest of all small tools for home and shop. And priced amazingly low for such fine quality! This sturdy 7-piece outfit will quickly and efficiently sharpen tools, remove rust or paint, grind and polish metals—and may also be used for drilling. This set includes the polishing head, height over all, 6½ inches; ¼-inch chuck; clamping collars; 4x½-inch vitrified grinding wheel; two 4-inch wire wheels, one coarse and one fine; a 6-inch cloth buffer and cake of buffing compound.

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

- 9 P 2869 — Complete Polishing, Grinding and General Utility Outfit. Shipping weight, 4 pounds 10 ounces. \$2.29
9 P 2871 — Polishing Head only, without chuck. Shipping weight, 3 pounds 12 ounces. 85c
9 P 2130 — ¼-inch Chuck only. Shpg. wt., 5 oz. 29c



\$1¹⁵

COMPANION Bronze Bearing Polishing Head

An exceptionally fine polishing head in the No. 1 size. Equipped with long life bronze bearings. Streamlined design covers drive pulley. Rugged gray iron frame. Can be driven from below or behind. Well made tough steel spindle threaded at both ends. High quality collars; V-type pulley, 1¾-inch diameter. Over all height, 7¼ in. A real bargain.

- Shipping weight, 3 lbs. 12 oz.
9 P 2874 \$1.15

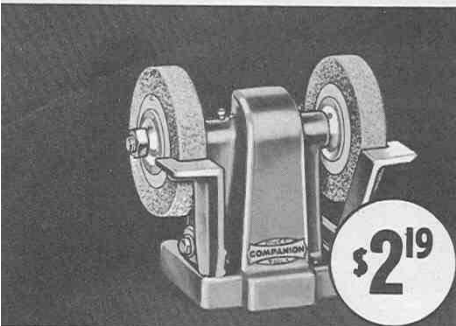


\$2⁵⁹

COMPANION De Luxe Polishing Head

Heavy duty! Finest quality! Can be driven from below or behind. Semi-steel frame. Steel spindle, ½-inch in diameter, threaded at both ends to take wheels up to ¾-inch wide. Long life bronze bearings. 3-jaw chuck with capacity up to ¾ inch. V-type pulley, 2-inch diameter. Over all height, 8¾ in. Clamping collars cut from solid steel. Shipping weight, 8 pounds 4 ounces.

- 9 P 2875 \$2.59

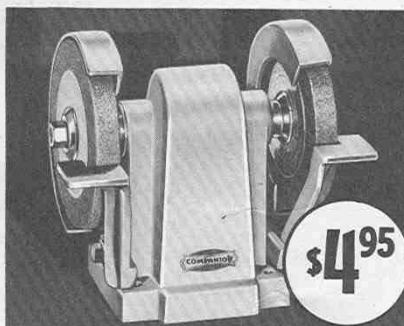


\$2¹⁹

COMPANION 4-INCH GRINDER

Sharp tools mean better work! Keep your woodworking, household and garden tools edged with this husky two-wheeled 4-inch grinder! Can be driven from below or behind. Rugged, close grained gray iron frame. Latest streamlined design keeps the drive pulley enclosed for utmost safety. ⅝-inch steel spindle turned down to ½-inch to fit all standard wheels and accessories. 2-inch diameter V-type pulley; two 4x¾-inch grinding wheels, one fine and one coarse; big oversize clamping collars. Large sturdy tool rests are adjustable front and back and provide steady support for the work. Compare the quality—the construction—the price! See how much you save at Sears!

- Shipping weight., 6 lbs. 2 oz.
9 P 2603 \$2.19



\$4⁹⁵

COMPANION 6-INCH De Luxe GRINDER

This grinder provides the added production capacity of 6-inch vitrified wheels plus a heavier frame. Plenty of clearance to handle large work. Full 6¼ inches between the wheels. Close grained gray iron frame, well ribbed. Spindle is ⅝-inch in diameter, turned down to ½-inch to fit standard wheels and accessories. Heavy, extra-long bronze bearings. Adjustable gray iron guards. Equipped with sturdy adjustable tool rests for most efficient operation. Two high quality 6-inch vitrified grinding wheels; one coarse, the other one fine. Grinder may be driven from below or behind. A fine, carefully made tool that will give years of satisfactory service.

- This improved sturdy design is exceptionally rugged and smooth in operation. Priced very low for such fine quality. Shipping weight, 15 pounds.
9 P 2618 \$4.95

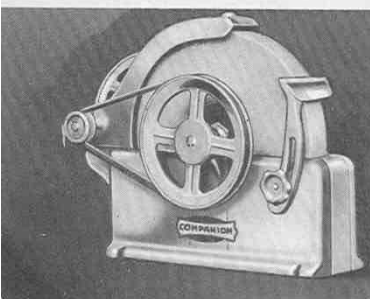


\$7⁹⁰

CRAFTSMAN Heavy Duty Ball Bearing GRINDER

One of the finest belt driven grinders ever built! Every part is accurately made and has the extra strength demanded by extra-capacity work. Runs with exceptional ease and smoothness on highest quality fully enclosed ball bearings, shielded from dust and abrasive particles. Plenty of clearance around the wheels. 12¼ inches long over all—9 inches between wheels. Two-step pulley permits adjustment of speed to the kind of material being worked upon. Heavy, well-machined ¾-in. spindle is designed to accommodate the thrust which heavy grinding imposes upon it and is turned down to ½ inch at wheels. Streamlined hooded frame covers drive pulley. Heavy, easily adjustable tool rests. Strong gray iron wheel guards. Fully vitrified 6x1-inch grinding wheels, one coarse and one fine. Carefully machined clamping collars insure grinding wheels running straight and true. Built to meet CRAFTSMAN standards of quality. Shpg. wt., 18 lbs.

- 9 P 2601 \$7.90



COMPANION 10-Inch WET GRINDER

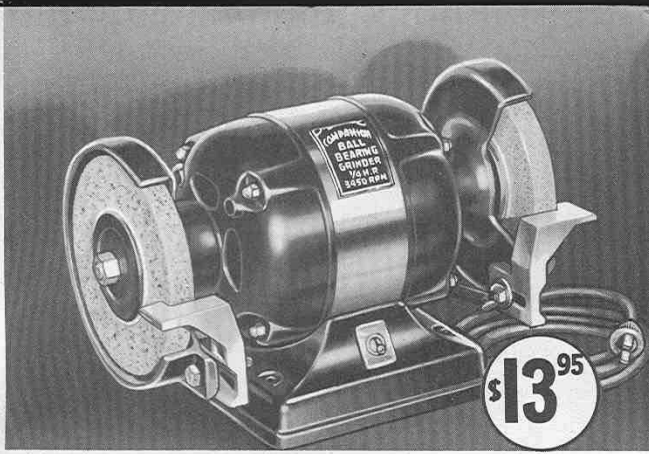
Ideal for Sharpening Woodworking Tools

\$7⁷⁵

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

A fine grinder for the home workshop, farm or factory. Ruggedly built for years of service. Quickly sharpens finest tools or knives without danger of drawing temper. Equipped with highest grade natural grindstone, 10 inches in diameter with 1½-inch face. Adjustable tool rest. Stone rotates in bath of water so that the surface of the stone is always covered with a film of water. Built-in jack shaft for reducing speed. Bronze bearings. You'll pay more elsewhere for this high quality. Fitted with V pulleys, jack shaft and belt. Shipping weight, 34 pounds.

- 9 P 2620 \$7.75

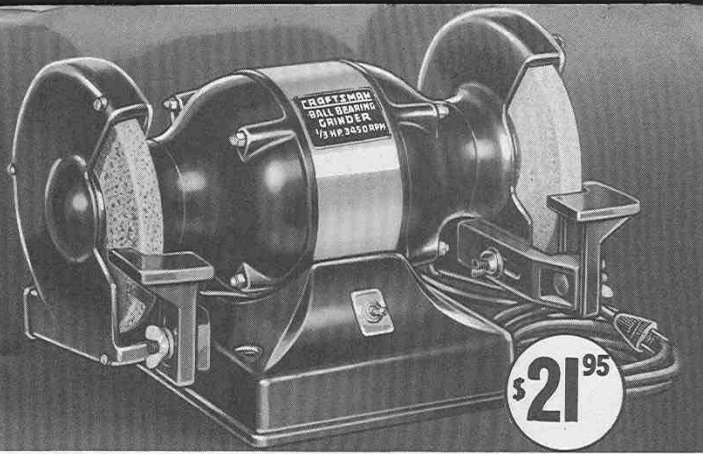


COMPANION 1/4-H. P. GRINDER

- Sturdy 1/4-H. P. motor. Turns 3450 R. P. M. at full load (3600 R. P. M., no load). For 110-volt 60-cycle A. C.
- Built-in toggle switch; 6-ft. rubber covered cord and plug.
- Equipped with New Departure precision ball bearings.
- Two 6x3/4-in. vitrified grinding wheels—one coarse; one fine. Removable and adjustable wheel guards. Adjustable tool rests.

Plenty of power! The big 6x3/4-inch fully vitrified grinding wheels cut fast and clean. The finely balanced rotor revolves on fully enclosed ball bearings protected from abrasive dust. Large, sturdy wheel collars maintain wheel alignment. Rigid tool rests provide steady surface for work. Adjustable for clearance with wheel. The heavily built guards are removable for polishing and buffing operations. With 6-foot cord and plug. Shipping weight, 41 pounds.

99 P 2605\$13.95



CRAFTSMAN 1/3-H. P. GRINDER

- Powerful 1/3-H. P. ball bearing motor. Turns 3450 R. P. M. at full load (3600 R. P. M., no load). For 110-volt 60-cycle A. C.
- Built-in toggle switch. 6-ft. rubber covered cord and plug.
- Streamlined design. Small diameter motor permits work to be ground across face of machine.
- Two 7x3/4-inch vitrified grinding wheels—one coarse; one fine. Removable and adjustable wheel guards.

Extra power! Extra size! 13 inches between the wheels. Grinding wheels are high quality—cut fast and clean. New design keeps motor diameter small so that large work can be held across the front of the machine without striking the motor. Tool rests are adjustable for clearance with wheel. Rotor revolves on fully enclosed ball bearings protected from abrasive dust. Shipping weight, 52 pounds.

99 P 2622\$21.95

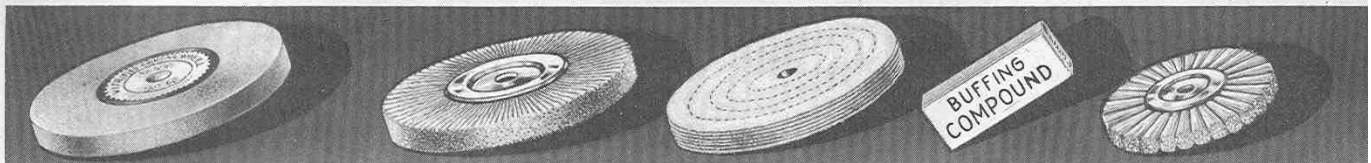
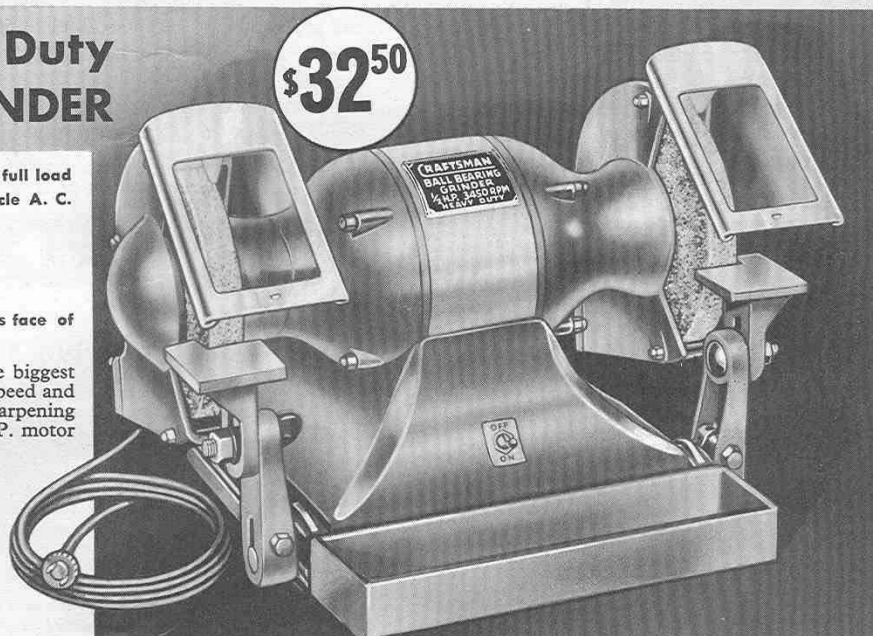
CRAFTSMAN Heavy Duty 1/2-H. P. BENCH GRINDER

- Heavy duty 1/2-H. P. ball bearing motor. 3450 R. P. M., full load (3600 R. P. M., no load). Operates on 110-volt 60-cycle A. C. Has built-in toggle switch.
- 7x1-inch vitrified grinding wheels—one coarse; one fine.
- Shatterproof glass shields. Adjustable tool rests.
- Detachable water pan for cooling work.
- Small diameter of motor permits work to be ground across face of machine—more room to operate.

Sears finest! A heavy duty bench grinder that's the biggest value we have ever seen for shops and garages where speed and extra safety are required. Will handle any grinding or sharpening job—and do it right! Extra power in the sturdy 1/2-H.P. motor to handle the hard jobs. Carefully balanced grinding wheels insure quiet, efficient operation. Heavy base for stability. Large, accurately machined collars give wheels perfect alignment at all times. (For sturdy heavy gauge cabinet for this grinder see Page 38.) 6-ft. cord and plug. Finest quality and construction throughout! And priced amazingly low!

Shipping weight, 60 pounds.

99 P 2609\$32.50



HOWARD Vitrified Grinding Wheels

Accurately faced and balanced. Furnished with any size arbor hole up to 1-inch. State diameter of wheel and hole size. Shipping weight, 4-inch wheels, 1 lb. 4 oz.; 6-inch wheels, 2 lbs. 4 oz.

- 9 P 6402—4x1/2-in. Medium grit. 35c
- 9 P 6402—4x3/4-in. Medium grit. 45c
- 9 P 6413—6x1/2-in. Coarse grit. 65c
- 9 P 6402—6x1/2-in. Medium grit. 65c

Steel Wire Scratch Wheels

Carefully made, accurately balanced. 4-in. size has 1/2-in. arbor hole; 6-in. size has 3/4-in. hole. State diameter of wheel and hole size. Shpg. wt., 4-in. size, 5 oz.; 6-in., 11 oz.

- 9 P 6480—4-in. Coarse..... 35c
- 9 P 6482—4-in. Fine..... 45c
- 9 P 6480—6-in. Coarse..... 45c
- 9 P 6482—6-in. Fine..... 55c

Buffing Wheels

Highest quality. 20 thicknesses of bleached muslin, securely sewed and expertly trimmed. 1/2-in. center hole. Specify diameter.

- 9 P 6490—4-in. Shpg. wt., 2 oz. Each. 12c
- 9 P 6490—6-in. Shpg. wt., 3 oz. Each. 15c

Buffing Compound

Used with buffing wheels to produce lustrous satiny finish on metal work. May also be used for natural wood finish. Also excellent for polishing catalin and other plastics. Shpg. wt., 5 oz.

- 9 P 2876..... 15c

6-in. Tampico Brush

A handy wheel; one for which you will find many uses. Highest quality fiber bristles. Fitted with sturdy balanced steel center. 6-inch diameter. 1-inch face. Has 1/2-inch hole. Shpg. wt., 8 oz.

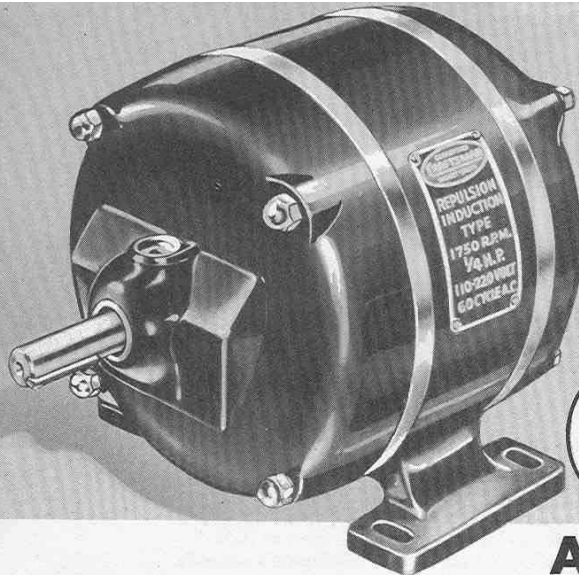
- 9 P 6486..... 49c

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

CRAFTSMAN

REG. U. S. PAT. OFF.

REPULSION-INDUCTION MOTORS



\$12⁹⁵
1/4-H.P.

- Guaranteed for 10 years against defects in workmanship and materials.
- High starting torque; extremely low starting current.
- Extremely quiet running and highly efficient in operation.
- Meet all A. I. E. E., N. E. M. A., and Central Station requirements.
- Highest quality oversize phosphor bronze bearings.
- Equipped with wool yarn filtered oiling system.
- Will run continuously under rated load without overheating.
- Economical of current under all load conditions.

America's Finest Motors

Built to the most exacting specifications in the electric motor industry by manufacturers with a world-wide reputation for quality. Because Sears are not only the world's largest distributors of power tools but also the largest dealers in fractional horse power motors sold at retail, you have a right to expect not only biggest value when you buy motors from us, but also the highest quality obtainable. And you get both! CRAFTSMAN Motors meet all A.I.E.E., N.E.M.A. and Central Station requirements. They operate with extraordinary efficiency, are very economical of current and start heavy loads. Rotors are in perfect balance, insuring smooth, quiet operation.

Lubrication is by dependable wool yarn oiling, supplying a constant bath of filtered oil to the bearings at all times. Beautifully finished and full chromium trimmed. Beautiful, powerful, durable, money saving motors.

The high starting torque of these motors, their quiet, vibrationless operation and their speed of 1750 R.P.M. make them ideal for pumps, compressors, or any job requiring a dependable source of trouble-free power. The finest motor you can buy.

Before ordering motors of 1-H.P. or larger be sure to check with your power company to make sure whether you will require a single-phase or three-phase motor.

Single Phase—Repulsion Induction

110-220-volt, 60-cycle A.C.

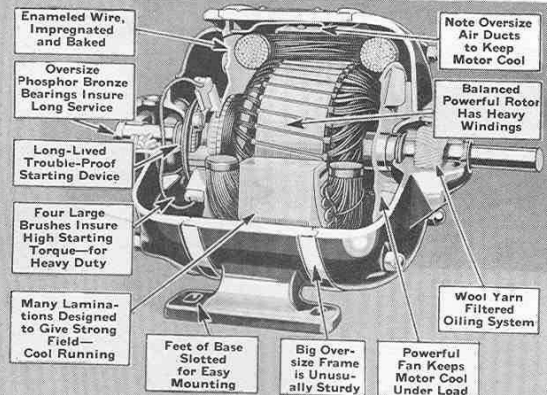
Catalog Number	H. P.	Shpg. Wt. Lbs.	Size, Shaft, Inch	Base Mountings	Cash Price
99 P 5621	1/4	32	3/8	3 1/2 x 6 in.	\$12.95
99 P 5622	1/2	37	3/8	3 3/4 x 6 in.	17.95
99 PM 5623	1/2	65	3/4	3 3/4 x 7 1/2 in.	23.95
99 PM 5624	3/4	72	3/4	4 x 7 1/2 in.	29.95
99 PM 5625	1	79	3/4	5 3/4 x 7 1/2 in.	35.95
99 PM 5626	1 1/2	142	1	5 3/4 x 9 in.	52.95
99 PM 5640	2	155	1	7 1/2 x 9 in.	58.95
99 PM 5641	3	167	1	7 1/2 x 9 in.	65.00
99 PM 5642	5	342	1 1/2	11 x 12 1/2 in.	135.00

Three Phase—Squirrel Cage Type

220-440-volt, 60-cycle A.C.

Catalog Number	H. P.	Shpg. Wt. Lbs.	Size, Shaft, Inch	Base Mountings	Cash Price
99 PM 5644	1	84	3/4	9 x 10 in.	\$35.95
99 PM 5645	1 1/2	115	1	10 3/4 x 11 in.	42.00
99 PM 5627	2	130	1	11 x 11 1/2 in.	42.95
99 PM 5628	3	155	1	11 x 11 1/2 in.	59.95
99 PM 5629	5	173	1 1/2	12 1/2 x 13 1/2 in.	69.95
99 PM 5646	7 1/2	278	1 1/2	14 x 15 in.	89.95
99 PM 5647	10	345	1 1/2	16 x 17 in.	110.00

Motors of 2-H.P. or more are shipped prepaid from factory in New York City. Smaller sizes carried in stock. Shipped not prepaid.



Enameled Wire, Impregnated and Baked

Oversize Phosphor Bronze Bearings Insure Long Service

Long-Lived Trouble-Proof Starting Device

Four Large Brushes Insure High Starting Torque—for Heavy Duty

Many Laminations Designed to Give Strong Field—Cool Running

Feet of Base Slotted for Easy Mounting

Note Oversize Air Ducts to Keep Motor Cool

Balanced Powerful Rotor Has Heavy Windings

Wool Yarn Filtered Oiling System

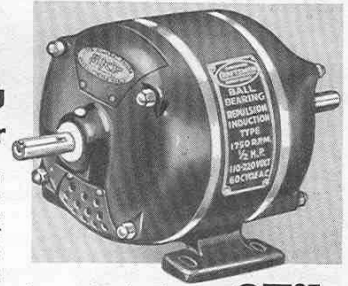
Powerful Fan Keeps Motor Cool Under Load

Big Over-size Frame is Unusually Sturdy

CRAFTSMAN

REG. U. S. PAT. OFF.

Heavy Duty Ball Bearing Double Drive Shaft Motor



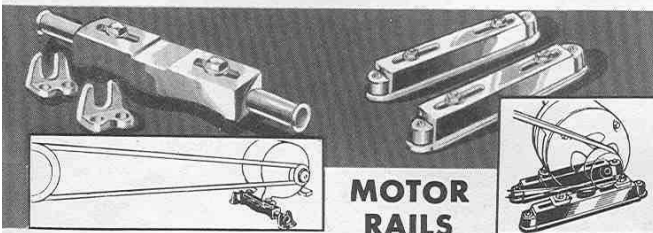
In this motor you get every fine quality of the motors described above plus a double drive shaft and genuine SKF Ball Bearings! This construction permits it to be operated in any position and increases the number of uses to which it may be put. May be used on vertical drives such as drill presses, etc. Sealed ball bearings also make this motor ideal for out-of-the-way installations because these bearings will operate for long periods without attention. Double drive shaft, 3/4-inch diameter, enables you to drive two tools alternately from the same motor. Single phase repulsion induction type, made for 110-120 volt 60-cycle A.C. 1/2-H.P. 1750 R.P.M.

The finest motor you can select for any power tool.

99 PM 5619—Shipping weight, 68 pounds..... \$27.95

\$27⁹⁵

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



MOTOR RAILS

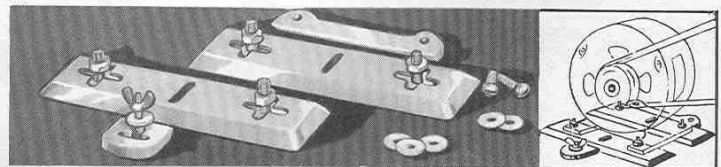
Floating Makes it possible to drive several different tools using only one motor! Just fasten set of clips near each tool, and shift motor with rail from one tool to another. Keeps belt at proper tension automatically.

9 P 2275—Floating motor rail and one pair clips. Shpg. wt., 1 lb. 13 oz. **50c**

9 P 2277—Floating motor rail clips. Shipping wt., 7 oz. Per pair... **20c**

Adjustable Recommended for jobs where motor is to be used on only one tool. To adjust belts merely loosen bolts holding motor to rail, slide motor for belt tension wanted and tighten bolts. Strongly constructed. Shipping weight, 3 pounds.

9 P 2279—Per pair... **50c**

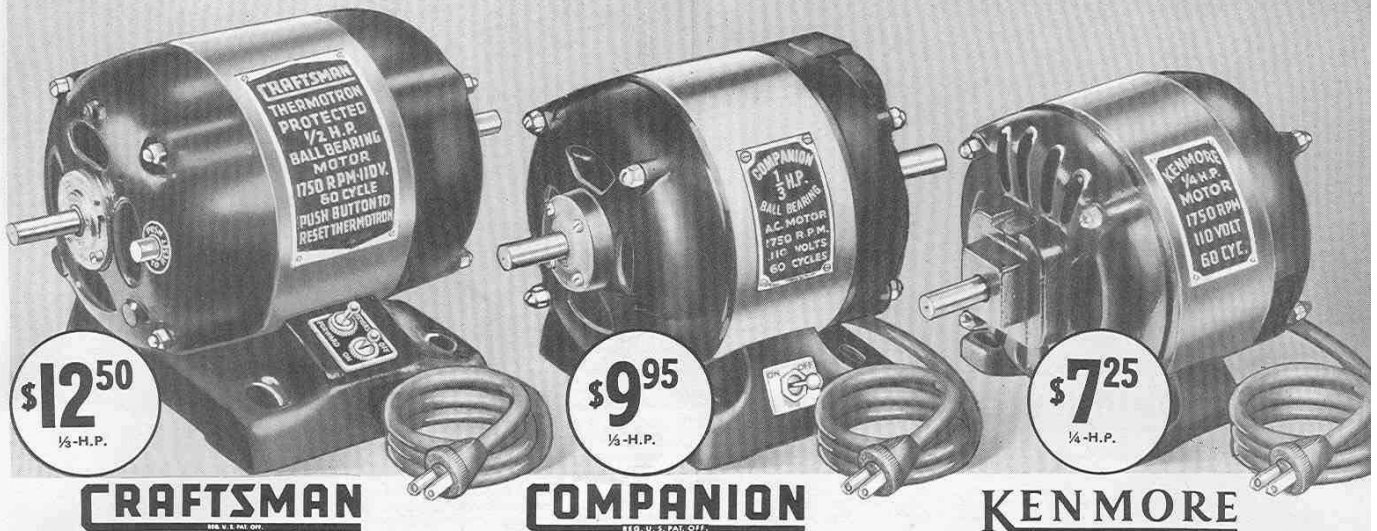


Improved Adjustable Motor Rails

The final answer, we believe, to the motor-mounting problem! Low in cost... easy to install... instantly adjusted... easy to use! This rail combines the features of the floating and adjustable types. Simply fasten rails to base of motor, attach clips to bench top as shown in the small view above, at right. A turn of the wing nut on clip grips motor rails tightly when belt tension is just the way you want it. Loosen wing nut, and motor with attached rails slides out for other positions, for use on other machines, behind which similar clips have been mounted to receive the motor with rails. Beveled edges on rails and clips do the trick. Complete with necessary bolts, etc.

9 P 2280—Motor rails complete as shown. Shipping weight, 2 pounds..... **50c**

9 P 2281—Extra set motor rail clips. Shipping weight, 9 ounces..... **20c**



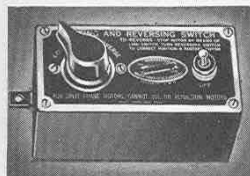
CRAFTSMAN

You Can't Burn Them Out

- Guaranteed 10 years against defects in material and workmanship.
- Over-load protector cuts current when windings get too hot. Can be reset when motor cools.
- Use less starting current than ordinary split phase motors.
- Built-in reversing switch.
- Built-in starting switch.
- Double drive shaft.
- New Departure ball bearings.

All the features of motors at right plus positive overload protection, built-in reversing switch, and built-in condenser in base of motor which greatly reduces current used in starting. Ideal for power tools and any use except where large starting effort is required. For 110-120-volt, 60-cycle A.C. Operating speed, 1750 R.P.M. (except 99 P 5587). Complete with rubber covered cord and plug.

99 P 5585—1/4-H.P. Shpg. wt., 32 lbs. **\$12.50**
 99 P 5586—1/2-H.P. Shpg. wt., 35 lbs. **15.50**
 99 P 5587—1/2-H.P. For high speed power tools such as jointers, shapers, etc. 3450 R.P.M. Shipping weight, 36 pounds. **\$16.95**



Starting and Reversing Switch

- Toggle switch and reverse lever prevent accidental reversal of motor when in use.
 - Mounts on tool. With 10 feet of tested cord. Permits operator to place switch in most convenient location.
 - Heavy arc-proof contacts.
- When used with your shaper you can get double the number of patterns from your present set of cutters by inverting cutters and reversing rotation of shaper spindle! Also essential for grinding operations on screw cutting lathes. For all split phase and capacitor motors only. Cannot be used with repulsion-induction motors—which are reversed by shifting position of brushes. Shipping weight, 4 pounds.
- 9 P 2626 **\$3.45**

CRAFTSMAN Repulsion-Induction High Speed Ball Bearing Motors

Never before such value in high speed motors! These husky motors are packed with power—with plenty in reserve. Guaranteed 10 years against defects in material and workmanship. Fitted with the finest quality SKF ball bearings. Large cooling ducts, frame castings and bearing housings. Carefully, expertly built of the sturdiest, longest-lasting materials available. No matter what horse-power you select, you'll have a thoroughly dependable high speed motor at the lowest possible cost—one that's always on the job, giving you a performance in speed, efficiency and economy that outstrips all others! Forced draft cooling—needs almost no attention beyond a twice-a-year lubrication. Recommended for shapers, bench saws, jointers or other uses where a motor speed of 3450 R.P.M. is wanted. The 1/2-H.P. and 3/4-H.P. sizes have built-in starting switch and rubber covered cord. The 1-H.P. size has circuit breaker and heavy rubber covered cord. For 110-volt 60-cycle A.C.

Catalog No.	H. P.	Shpg. Wt.	Shaft	Price
99 P 5608	1/2	33 lbs.	1/2-in. Double	\$21.50
99 PM 5611	3/4	45 lbs.	3/4-in. Double	31.50
99 PM 5605	1	62 lbs.	3/4-in. Single	44.90



COMPANION

Our Finest Split Phase Motor

- Guaranteed 10 years against defects in workmanship and materials.
- Runs on New Departure PRECISION ball bearings.
- Handy built-in starting switch.
- Double drive shaft. Easily reversed.

Our finest, sturdiest split phase motor. Every part is extra strong. Heavier windings—larger cooling ducts, frame castings and bearing housings. Fully balanced—built to the highest standards. Heavy over-load capacity to take emergency loads for short periods. Recommended for shop or power tools that don't need the high starting torque of a repulsion-induction motor. Will handle heavy running loads if they are easily started. For 110-120 volt, 60-cycle A.C. 1750 R.P.M. With switch, rubber covered cord and plug. Shipping weight, 29 pounds.

99 P 5607—1/4-H.P. **\$9.95**
 99 P 5610—Same as 99 P 5607 but with starting and reversing switch and ten feet of tested cord. Shipping weight, 32 pounds. **\$10.95**
 99 P 5583—KENMORE 1/4-H.P. Motor. Same as 99 P 5607 with double shaft and starting switch, but with bronze bearings. Shipping weight, 27 lbs. **\$8.75**

KENMORE

None to Compare at These Prices

- Guaranteed 10 years against defects in workmanship and materials.
- Heavy bronze bearings with wool packing that supplies a constant bath of filtered oil.
- Splashproof end plates.

One of the sturdiest and most reliable 1/4-H.P. motors made! Quiet running... Powerful... Super-insulated. Will carry as heavy a load as any split phase 1/4-H.P. motor on the market. Rotors are accurately and individually balanced to insure quiet, smooth-running performance. New type sealed oil chambers provide trouble-free lubrication. Unmatched for light shop tools, power tools, etc. Heavy steel shaft is reduced to 1/2-inch to accommodate standard accessories. Handles heavy running loads if easily started. Operating speed, 1750 R.P.M. For 110-120 volt, 60-cycle A.C. Rubber covered cord with plug. Shipping weight, each, 25 pounds.

99 P 5618—1/4-H.P. **\$7.25**
KENMORE 1/4-H.P. D.C. Motors
 99 P 5615—32-volt. **\$14.95**
 99 P 5616—110-volt. **14.95**

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



\$9⁹⁵

COMPANION WORK BENCH

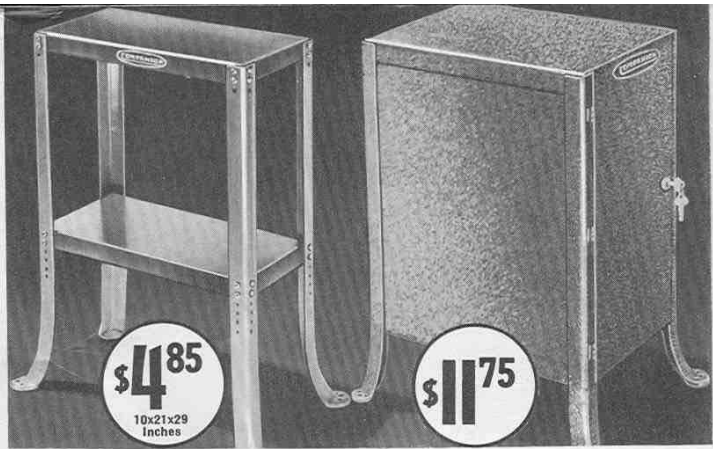
Massive . . Rugged . . Solid

The most popular work bench we've ever sold. And no wonder—with such quality, such construction at such a remarkably low price! Every piece of lumber is kiln dried, accurately milled and fitted. The top is actually 1½ inches thick. Bench has a handy drawer 20¼x17½ inches, 3½ inches deep. A large-capacity woodworking vise, complete with screw, is supplied with every bench.

This COMPANION bench is made for service. The low price is largely due to our shipping it taken apart—which saves you on freight, too. It's easily and quickly put together—following the complete instructions which we include. All you need is hammer and nails.

For power tools—for any woodworking purposes—this bench is ideal! It's big—heavy—sturdy; top, 26 inches x 6 feet; height, 32 inches; weight, 134 pounds. Power tools run more smoothly and quietly when mounted on the solid top of this extra strong bench with its sturdy, rigid legs. This bench will do its job through years of hard, steady use. It's a great value! Shipping weight, 135 pounds.

99 PM 2721 \$9.95



\$4⁸⁵
10x21x29
Inches

\$11⁷⁵

COMPANION MACHINE STAND

Enjoy neatness in your workshop—smooth, quiet running of your power tools—with these extra heavy, rigid machine stands. Developed expressly for power tools—they are among the finest built. Rugged 12-gauge steel throughout, and constructed to cut resonance and "hum" to a minimum. Top and shelf strongly secured to legs. Legs provided with holes for varying height of top or motor shelf. Top and shelf finished in lustrous black; legs in Royal Blue. Packed flat for shipping, very easily assembled.

99 P 2719—In five sizes. State size wanted.

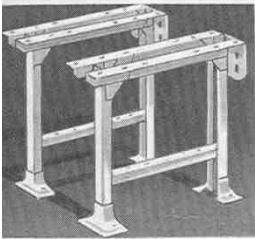
Size, top, 10x21 inches. Height, 29 inches. For use with 10-inch and 12-inch band saw. Shipping weight, 32 pounds. \$4.85

Size, top, 10x21 inches. Height, 31 inches. For use with most other power tools except jig saw on Page 25, and bench saws on Pages 6 and 9. Shipping weight, 33 pounds. \$4.85

Size, top, 10x34 inches. Height, 31 inches. For 24-inch jig saw 6-inch jointer, and 99PM2222 bench saw on Page 6. Shipping weight, 36 pounds. \$5.75

Size, top, 16x21 inches. Height, 31 inches. For 8-inch bench saw 99 PM 2236 on Page 9. Shipping weight, 39 pounds. \$5.65

Size, top, 19x25 inches. Height, 29 inches. For bench saw 99 PM 2237 on Page 9. Shipping weight, 46 pounds. \$6.50



\$5⁷⁵
Set

Steel Work Bench Legs

Here's a good idea to help you build your own work bench. It's easy to do: Just use these U-section steel legs and your bench will stand solid, rigid, free of vibration—assuring best results with your power tools. Legs have back plates for vertical back panel . . . a bracket for making lower shelf . . . and may be bolted to the floor to provide still greater rigidity. Height, 31¼ in.; width, 21 in. (1½ or 2-inch top recommended for great strength.) Shipping weight, 37 pounds.

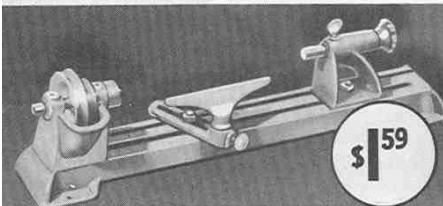
99 P 2722—Set \$5.75

COMPANION MACHINE CABINET

A roomy, strongly constructed cabinet that's ideal for power tool work. Originally designed as foundation for bench saw 99 PM 2236 on Page 9 and grinder 99 PM 2609 on Page 35, but many power tools can be used on it with equal ease and efficiency. There's a large, sturdy shelf inside where your best tools can be kept in perfect safety. The cabinet has a secure lock and two keys. Top measures 16x21 inches; stands 31 inches high. Solidly braced and rigid throughout. Large rubber pads for feet of stand are provided. Made of extra heavy gauge steel for maximum rigidity and freedom from vibration or noise. Finished in Royal Blue. Shipping weight, 62 pounds.

99 PM 2718 \$11.75

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



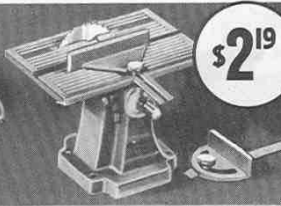
\$1⁵⁹

"JUNIOR" Lathe

Here's your chance to get a real wood-working lathe at a great saving. . . . to perfect your craftsmanship without spending a lot of money. Enjoy the thrilling fun of an intensely interesting and popular hobby. Turn out all kinds of novel and useful articles—mallets, clubs, spindles, wooden hammers, lamp bases, tie racks, etc.—and develop your skill at the same time. This lathe has a two-speed pulley, 5-inch swing, regular spur and cup center, and a 5-inch adjustable tool rest. Capacity, 12 inches between centers. A heavy, rigidly constructed lathe with a machined bed. It will give you service and pleasure worth many times the low price you pay.

Shipping weight, 8 pounds.

9 P 2728 \$1.59



\$2¹⁹

"JUNIOR" Bench Saw

Good craftsmanship needs good sawing. . . . and that's exactly what you get with this top-notch "Junior" Bench Saw. It does a fine job, quickly and easily. It's a great help in turning out good work with the touch of the skilled professional. And it's a "Junior" only in size and price. For, consider these features—features that make this saw an "ace" power tool value—a 5½x8½-inch table, adjustable in height. . . . a rip fence and miter gauge. . . . a shaft extension with collars and nut for accessories. . . . and a 4-inch blade that cuts fast, smooth and clean. A saw that will do the job and do it right. It's yours at a very moderate price! Shipping weight, 8 lbs.

9 P 2729 \$2.19

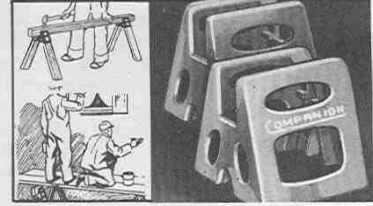


\$1⁶⁹

"JUNIOR" Jig Saw

No workshop is complete without a jig saw. It's indispensable for pattern cutting—for intricate sawing of light wood stocks—for work that must be done carefully and with particular neatness. The "Junior" Jig Saw has a 10-inch throat. . . . 8-inch diameter table. . . . enclosed spring head. . . . and a rigid cast iron frame. It will cut out some mighty difficult circular and angular patterns—quickly and with remarkable smoothness. The almost unlimited usefulness of this saw makes it a valuable help in producing work that will give you great satisfaction—and the price brings it within easy reach. Shipping weight, 9 pounds.

9 P 2730 \$1.69



COMPANION Metal Joints

Make your own saw horses, set up tables, platforms, etc. with these joints. All you need is a set of these husky rust-proofed malleable iron joints, some lumber and a hammer. No nails, bolts or screws. You don't have to bevel or joint your lumber. Horses built with COMPANION joints are much stronger, more rigid. Provided with lock-tight grippers that prevent side sway, spreading or wobbling. Easy to set up and take down.

9 P 2896—Joints for 1x3 lumber, per set of 2. Shpg. wt., 4 lbs. 6 oz. \$1.85

9 P 2897—Joints for 2x4 lumber, per set of 2. Shipping weight, 10 pounds. \$1.59

COMPANION Stop Rust

This rust-preventive has been laboratory tested and is used by our 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.

This product has many uses in the garage, workshop, and home. ½-pint can. Shpg. wt., 8 oz. \$1.29



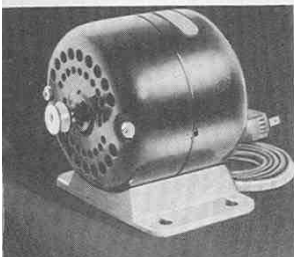
"JUNIOR" Motor—110-Volt 60-Cycle A.C.

An efficient, smooth-running motor for the "Junior" tools above. This motor turns 3400 R.P.M.—has plenty of power to keep your "Junior" tools humming with activity. Has brass pulley for use with the rubber drive belt 9 P 2727 shown below (9 P 2727 must be used with this motor). Complete with cord and plug.

Shipping weight, 7 pounds 6 ounces. \$3.75

\$3⁷⁵

Rubber Drive Belt for "JUNIOR" Tools. Must be used with "Junior" motor 9 P 2725 above. Rubber clings to the drive pulley and makes sure all the power is utilized. 9 P 2727—Shipping weight, 2 ounces. 10c





COMPANION VULCANIZED CORD BELTS

1. Heavy cords at pitch line.
2. Tough cord wrapper.
3. Uniform section accurately molded.
4. Special cushioning insures flexibility.

COMPANION vulcanized cord belts are carefully made—excellent quality throughout—amazingly low in price! They are long wearing, true running, resist slipping and stretching, and transmit power with least friction loss. Heavy duty vulcanized cord wrapper for greater strength. The flexible inner cushion of tough cured

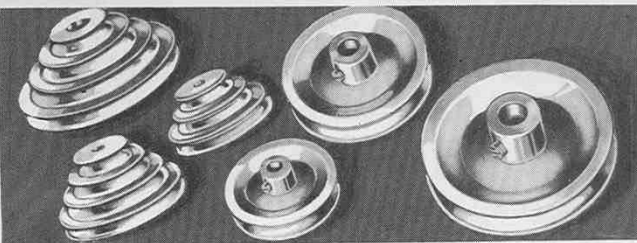
rubber is reinforced at the pitch line by strong cords to insure longer life and greater service. Properly molded, and of uniform cross section, they run true and efficiently. Length shown is distance around outside of belt. Check your outfit before ordering in order to get correct length belt.

Catalog No.	Length	Width	Shpg. Wt.	Each	Catalog No.	Length	Width	Shpg. Wt.	Each
9 P 2750	20 inches	3/4 inch	3 ounces	23c	9 P 2762	38 inches	1/2 inch	6 ounces	43c
9 P 2751	24 inches	3/4 inch	3 ounces	27c	9 P 2763	42 inches	1/2 inch	7 ounces	45c
9 P 2752	30 inches	3/4 inch	4 ounces	32c	9 P 2764	45 inches	1/2 inch	7 ounces	49c
9 P 2753	36 inches	3/4 inch	4 ounces	35c	9 P 2765	48 inches	1/2 inch	7 ounces	52c
9 P 2754	42 inches	3/4 inch	4 ounces	42c	9 P 2766	54 inches	1/2 inch	7 ounces	58c
9 P 2758	28 inches	1/2 inch	5 ounces	29c	9 P 2767	58 inches	1/2 inch	8 ounces	63c
9 P 2759	32 inches	1/2 inch	4 ounces	32c	9 P 2771	66 inches	1/2 inch	9 ounces	69c
9 P 2760	34 inches	1/2 inch	6 ounces	38c	9 P 2772	84 inches	1/2 inch	10 ounces	83c
9 P 2761	36 inches	1/2 inch	6 ounces	40c		100 inches	1/2 inch	12 ounces	95c

LEATHER "V" BELTING

Here's just the thing for those places where you need a belt of an odd length. Cut to any length you want—and have a belt that fits RIGHT—gives you utmost power transmission! Made of tough oak leather—two plies cemented together and strongly sewed down the center. Coupling included with every length. Choice of two widths. State width and length. Shipping weight, per foot, 3 oz.

9 P 2777
 3/4-in. width. Per ft. 12c
 1/2-in. width. Per ft. 14c



V BELT PULLEYS

A complete line for power tool use—each scientifically designed, carefully and accurately made of finest quality materials. Grooves are machined to be perfectly true.

Scientifically Designed Cone Pulleys

Perfectly balanced at all speeds, these pulleys will give long, smooth running service. Made of highest quality alloy, long wearing. Special belt groove construction insures great pulling power and much longer belt life. Grooves accommodate 3/4 and 1/2-inch belts. State size of bore wanted.

Catalog No.	Size	Steps	Bore, in.	Diam., Step, in.	Shpg. Wt.	Each
9 P 2792	4 in.	4	1/2, 3/4 or 5/8	4, 3 3/4, 2 3/4, 2	1 lb. 10 oz.	50c
9 P 2793	5 in.	4	1/2, 3/4 or 5/8	5, 4 3/4, 3 3/4, 2	1 lb. 14 oz.	69c
9 P 2788	3 3/4 in.	3	1/2, 3/4 or 5/8	3 3/4, 2 3/4, 2	1 lb.	50c

High Quality V Belt Pulleys

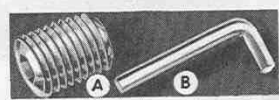
Made of highest quality alloy, sturdy and long wearing. Strong flanges and hubs with heavy set screws. Finely balanced, true running pulleys of the highest quality. Grooves accommodate 3/4 or 1/2-inch wide V belts. Attractively finished in silver aluminum color. Truly better pulleys. Not to be compared with the average variety. Specify shaft diameter or bore wanted.

Catalog No.	Diam.	Bore	Shpg. Wt.	Each
9 P 2800	1 1/2 in.	1/2 in. only	3 oz.	16c
9 P 2801	2 in.	1/2 or 3/4 inch	5 oz.	19c
9 P 2802	2 1/2 in.	1/2, 3/4 or 5/8 inch	6 oz.	23c
9 P 2803	3 in.	1/2, 3/4 or 5/8 inch	7 oz.	28c
9 P 2804	4 in.	1/2, 3/4 or 5/8 inch	10 oz.	38c
9 P 2805	5 in.	1/2, 3/4 or 5/8 inch	15 oz.	45c
9 P 2806	6 1/2 in.	1/2, 3/4 or 5/8 inch	1 lb. 6 oz.	70c

Heavy Duty Steel V Pulleys

Large size pulleys built expressly for production work. Massive pressed steel construction with malleable iron hubs, carefully riveted for extra strength. Greater rigidity and ruggedness are supplied by the smoothly rolled edges on belt grooves. Interior of wheel is strongly welded. Husky, true running, long lived pulleys constructed of the finest materials. The highest grade production pulleys you can buy! Silver aluminum lacquered finish. Fit "V" belts 3/4 or 1/2-in. wide. State size of bore wanted.

Catalog No.	Diameter	Bore	Shipping Weight	Each
9 P 2808	8 in.	1/2, 3/4 or 5/8 inch	2 lbs. 4 oz.	\$1.19
9 P 2810	10 in.	1/2, 3/4 or 5/8 inch	3 lbs.	1.49
9 P 2812	12 in.	1/2, 3/4 or 5/8 inch	3 lbs. 12 oz.	1.95
9 P 2815	15 1/2 in.	1/2, 3/4 or 5/8 inch	6 lbs. 5 oz.	2.98

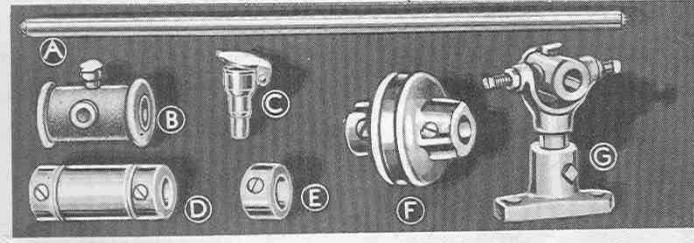


Hollow Head Set Screws

Take place of ordinary set screws on machines. Tremendous pressure exerted by wrench prevents screw from loosening. Nickel alloy steel. Shpg. wt., 2 oz.

9 P 2811—1/4 or 3/16-in. State size. . 5c

9 P 2813—Wrench for above. Shpg. wt., 1 oz. For 1/4 or 3/16-in. screw. State size. . 5c



Line Shaft, Hangers and Accessories

Accurately machined and finely finished parts of extremely high quality. The sturdy hangers have long wearing bronze bushings.

Catalog No.	Shpg. Wt.	Each
(A) 9 P 2833 1/2-in. x 24-in. Steel Shaft	1 lb. 8 oz.	\$0.24
9 P 2834 1/2-in. x 48-in. Steel Shaft	3 lbs.	.48
(B) 9 P 2822 Bronze Bushed Bearing (For 1/2-in. Shaft)	4 oz.	.25
(C) 9 P 2820 Wick Oil Cups	1 oz.	.05
(D) 9 P 2839 1/2-in. Rigid Coupling	5 oz.	.19
(E) 9 P 2824 1/2-in. Line Shaft Collar	2 oz.	.09
(F) 9 P 2840 Flexible Coupling (Specify 1/2, 3/4 or 5/8 in.)	12 oz.	.25
(G) 9 P 2828 1/2-inch Bronze Bushed Shaft Hanger	1 lb.	.95
9 P 2835 3/4-in. x 48 in. Steel Shaft	7 lbs.	.95
9 P 2829 3/4-inch Bronze Bushed Shaft Hanger	1 lb. 12 oz.	1.19
9 P 2825 3/4-in. Line Shaft Collar	4 oz.	.15



Hard Fiber Pulleys

Highest quality. Made with accurate bores. Faces won't wear smooth, won't slip. The finest made!

9 P 2799—State size and shaft diameter.

Diam. and Face, in.	For Shaft, in.	Shpg. wt., Lbs., Oz.	Each
1 1/2 x 2 1/2	1/2	12	\$1.10
2 x 2 1/2	1/2 or 3/4	12	1.19
2 1/2 x 2 1/2	3/4	14	1.39
2 1/2 x 2 1/2	1/2 or 3/4	1	1.49
3 x 2 1/2	3/4	1	1.59
3 x 3 1/2	3/4 or 1	2	1.69
3 1/2 x 3 1/2	1	2	1.79
4 x 4 1/2	1 1/4	4	2.15

Die Cast Pulleys

For use with flat belts. Sturdy and accurately made. Have nearly twice the tensile strength of cast iron. Give excellent service. Fitted with hardened set screws. Accurate bores fit shaft perfectly. Properly crowned so that belts run true and last longer. Carefully balanced to run smoothly without vibration.

9 P 2798—State size and shaft diameter wanted.

Diam. and Face, in.	For Shaft, in.	Shpg. wt., Lbs., Oz.	Each
2 x 2	1/2	1	25c
2 1/2 x 2 1/2	1/2 or 3/4	1	29c
3 x 3	3/4 or 1	1	49c

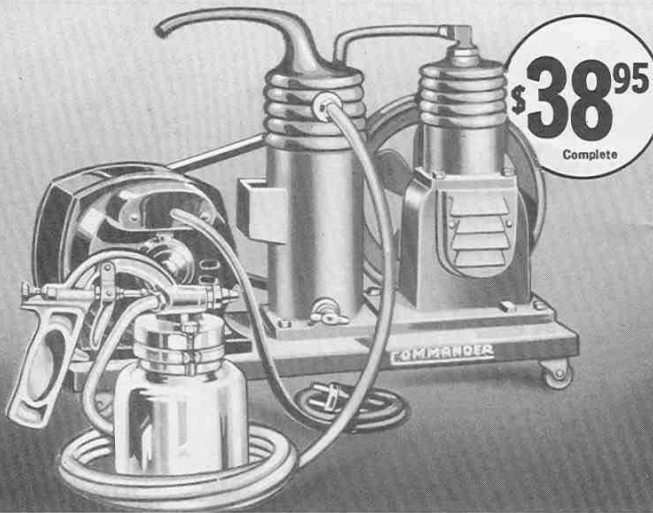
HANDY TABLE OF PULLEY SPEEDS

Use this table to determine the speed of your machine with varying sizes of motor and machine pulleys. Figures given are for use with belt at proper tension and a motor speed of 1725 R.P.M.

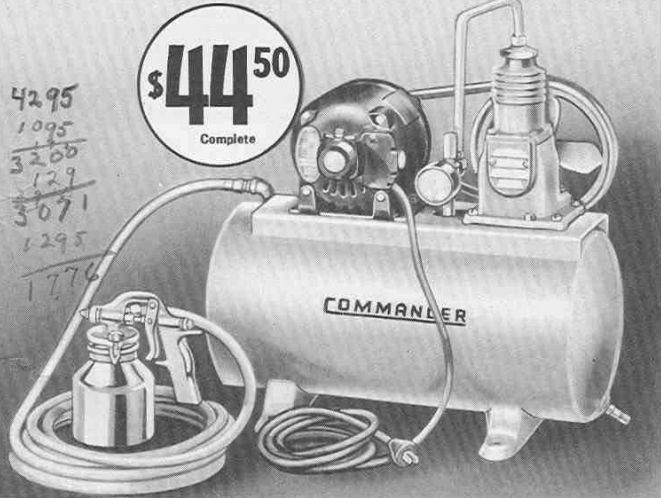
Diameter of Motor or Driving Pulley	Diameter in Inches of Driven Pulley or Pulley on Machines					
	1 1/2	2	2 1/2	3	4	5
1 1/2 in.	1725	1290	1030	860	645	520
2 in.	2300	1725	1380	1150	860	690
2 1/2 in.	2890	2160	1725	1440	1080	860
3 in.	3450	2590	2070	1725	1290	1030
4 in.	4600	3450	2760	2300	1725	1380
5 in.	5750	4310	3450	2870	2160	1725
6 1/2 in.	7460	5600	4490	3740	2800	2240

Example—the machine has a 2-inch pulley and should run 3450 or 3500 R.P.M. What size pulley should be used with a 1750 R.P.M. motor? From the table follow down the vertical 2-inch column to the speed 3450, then to the left in column headed "Diameter of Motor or Driving Pulley" read 4-inch diameter required.

POWER SPRAYER OUTFITS FOR



\$38⁹⁵
Complete



\$44⁵⁰
Complete

4295
1095
3200
129
3071
1295
1776

COMMANDER 1/4 H. P. SPRAYER

- Finest piston-type compressor for longest life and most satisfactory service. 3 cubic foot size.
- Sprays everything: lacquers, oil and cold water paints, enamels, varnishes, insecticides, disinfectants.
- Heavy duty 2-ring piston, wick-oiled compressor. Supplies clean, oil-free air. Maximum pressure, 50 pounds per square inch.
- Pressure-type gun with two air caps for round or fan spray.
- 1/4-H.P., 1750 R.P.M. heavy duty motor.

Saves time! Saves labor! Saves money! Will more than pay for itself in the service it gives and the labor it saves. This quality usually sells for \$50.00 to \$65.00!

Made to give years and years of satisfactory service. Covers evenly and thoroughly. Gives a fine, smooth finish to all sorts of surfaces—on furniture, autos, building interiors, etc. Full 3 cubic foot size compressor. Mounted as a unit on heavy steel base. Equipped with casters for easy portability. Maximum pressure 50 pounds per square inch. Normal working pressure about 30 pounds. Gun is bleeder type allowing a continuous flow of air through the nozzle, thus keeping it clean and preventing paint from clogging nozzle. Includes motor, compressor, air chamber, 1-quart aluminum paint cup, pressure type gun with 2 tips and 2 air caps, 15 feet of high pressure hose, V-belt drive and castor-mounted base. Base 7 1/2 x 20 inches; height overall, 13 1/2 inches. Operates on 110-120 volt, 60-cycle A.C. Shipping weight, 68 pounds.

99 PM 5635—Complete as illustrated.....\$38.95

COMMANDER DE LUXE SPRAYER

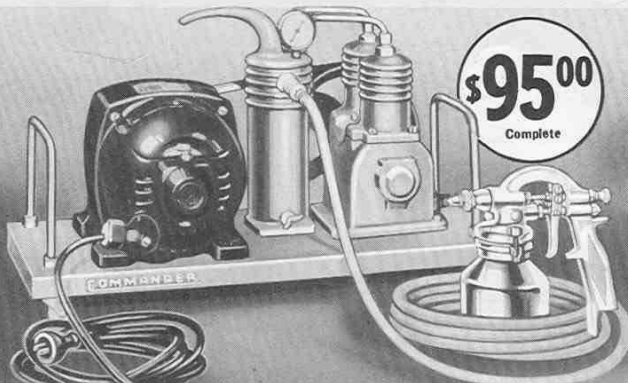
- Entire mechanism conveniently mounted on an oversize, heavy gauge steel tank. Tank is 10 in. in diameter; 18 in. long.
- Finest piston-type compressor for most satisfactory service. Heavy duty, 2-ring piston, wick-oiled type. Always supplies clean, oil-free air.
- Equipment includes pressure gauge, relief valve and pressure-type gun with 2 air caps for round or fan spray. Handles all types of sprays.
- 1/4-H.P., 1750 R.P.M. heavy duty motor.

All the features—all the fine quality—all the smooth, efficient operation of the COMMANDER sprayer at left! But even more, this sprayer is built with the motor, compressor and other parts mounted conveniently on an oversize pressure tank. More efficient operation. The pressure tank absorbs the slight pulsations from the compressor and gives a very even pressure.

The large tank 10 in. in diameter and 18 in. long is made of heavy gauge steel. Its large size means a large reservoir of air in reserve to insure far smoother operation of gun in spraying than is usually possible. Safety valve prevents pressure becoming too high; gauge indicates pressure at all times. Includes motor, compressor, oversize tank, 1-quart aluminum paint cup, pressure-type gun with 2 tips and 2 air caps, 15 feet of high pressure hose, V-belt drive, pressure gauge and pressure relief valve. Operates on 110-120 volt, 60-cycle A.C. Shipping weight, 75 pounds.

99 PM 5596—Complete as illustrated.....\$44.50

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



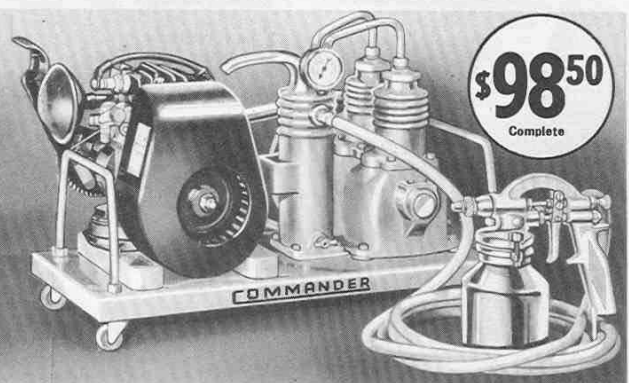
\$95⁰⁰
Complete

Commander 1/2-H.P. SPRAYER

- 1/2-H.P. extra heavy duty motor. Efficient power at low cost.
- Powerful twin-cylinder air-cooled piston compressor, 5-cu. ft. capacity.
- Mounted on heavily built truck. Sturdy, yet easy to move about.
- New heavy duty production type gun with 1-quart aluminum paint cup, two tips and two air caps. Dual valve construction—non bleeder type.

Extra quality! Extra strength! Extra capacity! A top-notch quality sprayer at a money saving price! Use it for all your spraying jobs—for paints, insecticides, varnishes, ANYTHING! The gun is a heavy duty non-bleeder type unit which will work three times as fast and give better results. Enables you to use the full capacity of the big twin cylinder compressor to its best advantage. Complete with 1/2-H.P. motor, twin cylinder compressor, production type gun, castor base, 2-ply pressure hose and 10-foot electric cord. Rated displacement of compressor is 5 cubic feet per minute. Operates on 110-120 volt, 60-cycle A.C. Shipping weight, 125 pounds.

99 PM 5597—Complete as illustrated.....\$95.00



\$98⁵⁰
Complete

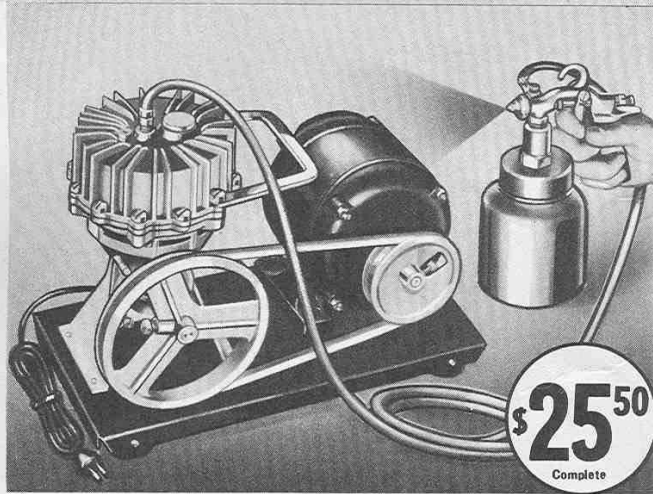
Commander Gasoline Powered SPRAYER

- 1/2-H.P. Briggs & Stratton gasoline motor. No electricity needed.
- Twin-cylinder air-cooled piston compressor is efficient and powerful.
- Easy to move around—mounted on rugged truck.
- New heavy duty production-type gun with 1-quart aluminum paint cup, two tips, and two air caps. Dual valve construction—non-bleeder type.

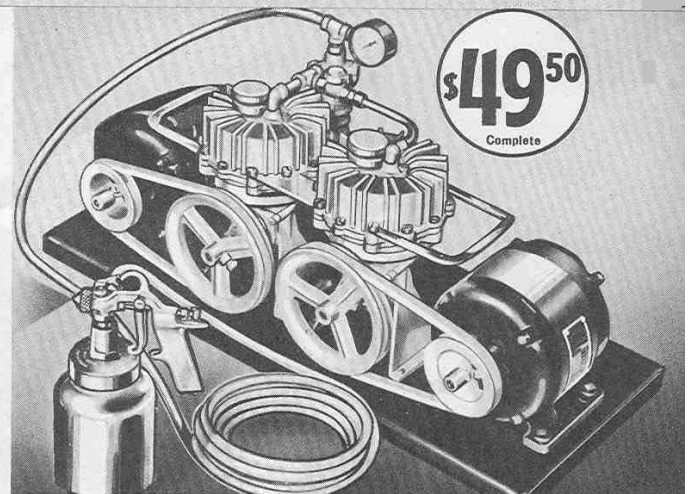
Use it wherever you want! Completely self contained! Completely portable! No electric current necessary! Just the thing for farms without electricity or for any spraying jobs where current is not available. Has all the fine qualities and features of sprayer at left. The Briggs & Stratton gasoline motor is the finest money can buy. It's easily started by stepping on a foot pedal; there is no kick-back. Complete with 1/2-H.P. Briggs & Stratton motor, twin-cylinder compressor, production-type gun, castor base, and 15-foot 2-ply pressure hose. Compressor has rated displacement of 5 cubic feet per minute. Shipping weight, 145 pounds.

99 PM 5598—Complete as illustrated.....\$98.50

EVERY SIZE AND KIND OF JOB



\$25⁵⁰
Complete



\$49⁵⁰
Complete

SINGLE UNIT

"KLEEN-AIR" PAINT SPRAYER OUTFITS

TWIN UNIT

Guarantees Oil-Free Air.

The only type compressor in which no oiled surfaces come in contact with air. This insures better results in all spray work and is absolutely essential in spraying lacquers.

Delivers 1½ Cubic Feet of Clean Oil-Free Air Per Minute at 25 Pounds Pressure Per Square Inch.

No compressor operated by ¼-horse power can do more.

Diaphragm Compressor—Newest and Finest Type.

Months of efficient service in each diaphragm. Diaphragms replaced in 10 minutes and compressor is good as new. No other wearing parts.

Adjustable, Pressure-Type Gun—Round or Flat Spray.

Sprays paint, varnish, enamel, kalsomine, stains and insecticides. Covers up to 1200 sq. ft. per hour.

Adaptable to Every Job Around Home or Shop.

Equipped with 4 nozzles to handle all kinds of jobs and every kind of material. Nozzles and needle valves are casehardened steel for long wear and service.

"Kleen-Air" Sprayer does everything you can do with outfits costing twice as much. It consists of the newest type diaphragm compressor mounted on a pressed steel base. Heavy duty ¼-H.P. motor, 10-ft. cord and plug, V-belt drive, approved adjustable pressure type gun with 4 casehardened steel nozzles and 15 feet of ½-inch high grade air hose. Has convenient handle for carrying. May be operated from any motor, engine or belt line if preferred.

30 P 3277—Complete with ¼-H.P. Heavy Duty Motor, operating at 1750 R.P.M. for 110-120 volt, 60 cycle A.C. Shipping weight, 48 pounds..... **\$25.50**

For Sears Easy Payments, See Inside Front Cover.

30 P 3278—Outfit without motor. Shpg. wt., 22 lbs. **\$18.25**

30 P 3280—Less Motor, Hose and Gun. Shpg. wt., 19 lbs. **10.95**

30 P 3279—Extra Diaphragm. Shipping weight, 3 ounces..... **35c**

Paint With Power.

This new "Kleen-Air" Twin does any size job. Developed especially for big work.

Double-Diaphragm Compressor Unit.

3 cubic feet of air per minute at 25 pounds pressure per square inch. No pulsations! No oil!

Double Power Plant.

Two heavy duty ¼-H.P. motors drive this unit. Special Sears Patented Control permits operation of one or both motors as work may require.

Double Capacity.

Sprays 50 to 100% faster than single "Kleen-Air" unit or other sprayers operated with ¼-H.P. motor. We guarantee the "Kleen-Air" Twin will handle as big jobs and any material which can be handled by any sprayer selling at twice this price.

Adjustable, Pressure-Type Gun—1-Quart Capacity.

Control of pressure on paint cup and 4 casehardened steel nozzles make this gun extremely adaptable to any material and any surface. Will spray any coating from thinnest lacquer to regular outside house paint as it comes in the can. Round or flat spray as desired.

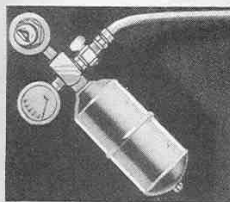
The Twin "Kleen-Air" Unit is made up of two sturdy "Kleen-Air" diaphragm compressors. Two heavy duty ¼-H.P. motors, 10-ft. cord, and plug with patented switch control, "V" belt drive, pressure gauge and positive air line water filter. Mounted on pressed steel base equipped with four casters. The gun is equipped with 1-quart sun-aluminum cup, 4 casehardened steel nozzles and 15 feet of ½-inch rubber air hose. Cup may be detached and replaced with larger paint tank when desired.

30 PM 3293—Complete with two ¼-H.P. Heavy Duty Motors, operating at 1750 R.P.M.; for 110-120 volt, 60-cycle A.C. Shpg. wt., 92 lbs. **\$49.50**

For Sears Easy Payments, See Inside Front Cover.

30 P 3279—Extra Diaphragm. Shipping weight, 3 ounces..... **35c**

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



Gauge

Graduated to register accurately the air pressure available for the spray gun. Shipping wt., 8 oz.

9 P 5649... **60c**

Reducing Valve and Filter

Valve reduces and controls air pressure to below 50 pounds so it can be used by gun. Filter prevents oil, water and other impurities from getting into the air stream. New, scientific design. Shpg. wt., 6 lbs.

9 P 5648..... **\$5.75**

INDUSTRIAL SPRAY OUTFIT

Constructed especially for service stations, garages, factories, and other establishments having pressure air systems. Very useful, sprays everything!

\$12⁹⁵
Complete

Complete as shown with gun, 15-ft. hose, filter, gauge and reducing valve for regulating pressure to less than 50 lbs. Shipping weight, 15 pounds.

9 P 5633—Complete as illustrated.... **\$12.95**

Material Hose

Heavy two-ply construction for long life and service. Length, 12½ feet; ¾-inch inside diameter. Two or more lengths of hose may be coupled together. Complete with all the necessary fittings. Shipping wt., 2 lbs.

9 P 5639..... **\$2.50**

Air Hose

High pressure type. Made to give long, hard service. Complete with fittings. Two or more lengths may be coupled together. Couple an extra length onto your gun hose. Lgth., 15 ft.; inside diameter, ¼ in. Shpg. wt., 1 lb. 8 oz.

9 P 5638..... **\$1.29**

SERO-WAY SPRAY GUN



A very efficient gun of the smaller type. Operates very satisfactorily on ¼ to 2 cu. ft. of free air per minute.

It's equipped with 2 brass nozzles, one of which produces a round and the other a flat spray. Lightweight,

1-pint aluminum cup of simple design. Easy to clean. Gives first class results on any spray job. Shipping weight, 3 pounds.

30 P 3285..... **\$2.98**

ALL PURPOSE SPRAY GUN



Bleeder-type pressure gun. Complete with 2 nozzles and 2 air caps. Scientifically made to produce good work in hands of either amateur or professional operator. Nicely balanced; easy action. Aluminum paint cup holds 1 quart. Today's best gun value! Shipping weight, 3 pounds 12 ounces.

9 P 5637..... **\$6.50**

HEAVY DUTY SPRAY GUN



Production-type gun with 2 valves that control both material and air from trigger. Non-bleeder type. Material valve is adjustable. Operates on 3 to 5 cubic feet of air. Two inner fluid tips and two

spray caps, one round and one fan type. Finest construction throughout. Shipping weight, 5 pounds.

9 P 5594..... **\$10.95**

MATERIAL TANK



COMMANDER 2-gallon pressure feed tank. Handy for painting large surfaces; it eliminates paint cup and the necessity of frequently filling it. With 15-ft. air hose and 12½-ft. material hose. Shpg. wt., 25 lbs.

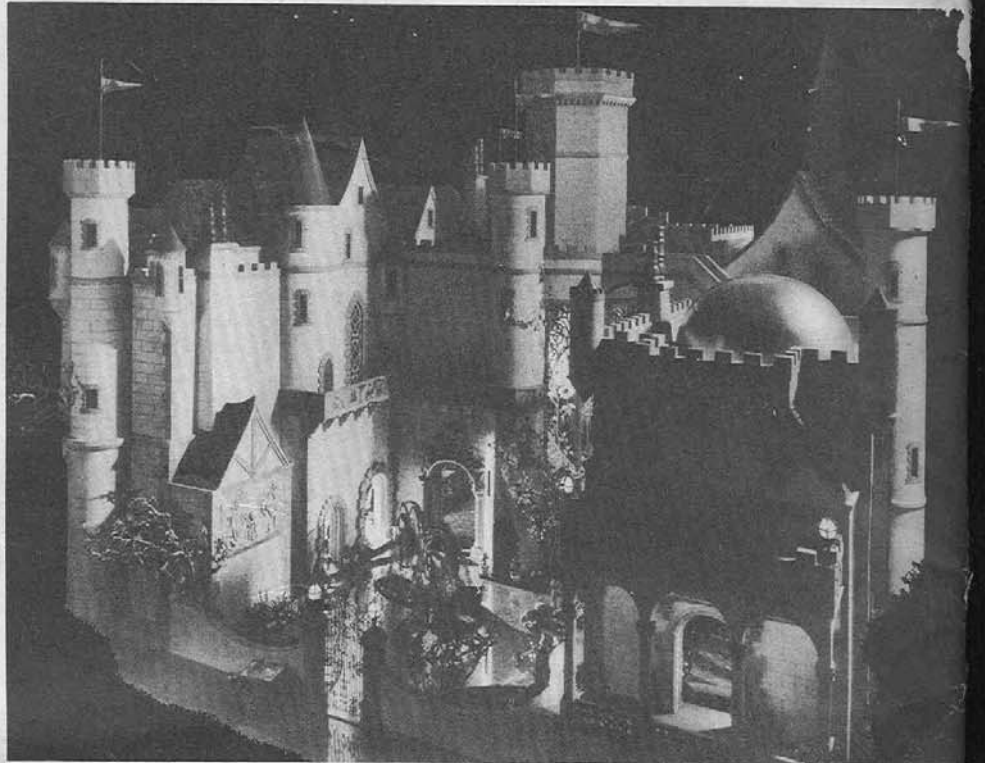
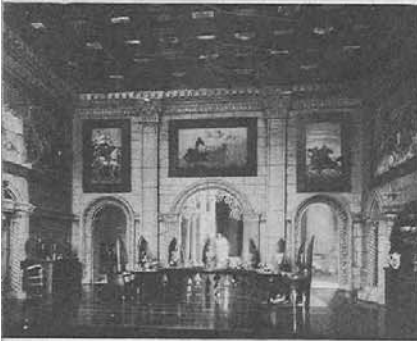
99 P 5632

\$9.90

Page 41

Colleen Moore's DOLL HOUSE

The World's Most Magnificent Toy House



Built With **CRAFTSMAN** Power Tools

It took nine years to create the famous Colleen Moore Doll House—a practical working model of an eleven room castle that measures 9 feet wide, 9 feet long and 14 feet high. Built accurately to a scale of 1 inch to the foot. Constructed of aluminum and copper, there are more than 200,000 individual pieces in the entire structure. It is said that more than 700 artists and craftsmen contributed their share of work.

Among its features are a complete electric wiring system with tiny electric lights, and a practical plumbing system that operates the fountains. In

one of the rooms is a pipe organ that actually plays by remote control. All told, the value of this remarkable miniature castle has been placed at nearly a half million dollars. Its mission now is the raising of funds for the benefit of crippled children.

It gives us pleasure to know that CRAFTSMAN tools have played a part in such an amazing creation. The letters reproduced below are from Miss Moore's father, Charles Morrison, who supervised the work, and Harry Jones, who executed much of the intricate decoration and sculpture.

Hollywood, California
July 13, 1937

Sears, Roebuck and Co.
Gentlemen:

Craftsman Power Tools filled all of our requirements for delicate, precise workmanship in building the Colleen Moore Doll House.

Very truly yours,
Harry Jones

Hollywood, California
July 13, 1937

Sears, Roebuck and Co.
Gentlemen:

In building the World-Famous Colleen Moore Doll House, Craftsman Power Tools, with their precision and dependability, gave us the most satisfactory performance for this delicate type of work.

Very truly yours,
Charles Morrison