CRAFTSMAN AND COMPANION

POWER TOOLS
NEW 1939 MODELS

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

Aprons. 24
Band Saws and accessories. 11-13
Bolts, Pulleys and accessories. 41
Bench Saws and accessories. 1-5
Bench, Work. 40
Blue Prints. 40
Carving Machine. 30
Carving Tools. 30
Drill Presses and accessories. 24-29
Electric Drills and accessories. 36
Flexible Shaft and accessories. 22-23
Glue Pots. 24
Grinders and accessories. 38, 39
Hack Saw, power driven. 6
Instruction Books. 40
Jig Saws and accessories. 24, 33-35
Jointers, Planers. 39
Lathes and accessories. 14-21
Line Shafting and accessories. 41
Machine Tools and accessories. 40
Metal Working Lathes and accessories. 14, 15, 20, 21
Motors and accessories. 42, 43
Motor Rails. 42
Paint Sprayers. 44, 45
Planer, Thickness. 9
Polishing Heads. 38
Precision Tools. 37
Pulleys, Belts, and accessories. 41
Rotary Tool. 31
Sanders and accessories. 32
Sharpeners and accessories. 10
Saw Blades for bench saws. 3
Sprayers, Paint. 44, 45
Tool Clips. 19
Trestle Joints. 40
Vises. 37
Welders, Arc and Acetylene. 6, 7
Wood Working Lathes and accessories. 14-19
Work Benches. 40

Sears Lead the World in Power Tool Sales

It is little wonder, then, that Sears have become the nation's quarters for quality power tools. Years of development—the combined thinking of our own expert engineers and those of America's foremost power tool manufacturers—the selection of finest materials, parts and accessories—all these factors combined with Sears vast buying power have made it possible for us to become the largest distributors of power tools in all the world. The CRAFTSMAN and COMPANION Power Tools in this book had their beginning in sound engineering. Through close contact with the needs of countless power tool users our designers have been able to incorporate in CRAFTSMAN and COMPANION Power Tools the ideas of America's craftsmen and factory production men all over the country.

Sears tremendous volume permits heavy investment in new machinery, tools and dies. Mass production benefits the user by giving him—by giving you—finer, better engineered products at prices that always save him money. And don't forget—all Sears Power Tools are backed by a Guarantee that has been nationally famous for over fifty years.

You Can Buy Sears Power Tools on Easy Terms

Does a lack of ready cash prevent you from adding a needed new power tool to your workshop? If so—use Sears Easy Payment Plan. By paying a small amount down and the balance monthly you can pay for your tools while you are using them. And, remember, whether you buy for cash or on easy payments—Sears give you rock-bottom prices.

If you want to buy Power Tools on Easy Payments at one of our retail stores, ask for information about our Easy Payment Plan. If you order by mail, refer to your Sears General Catalog for the Easy Payment information.

Important Price Information. Should the Federal Government or any State find it necessary to increase by taxes or otherwise the cost of 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 to the prices shown in this catalog.

R.P.54057-Z.1--R.14.38

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COMPANION
BENCH SAWs
for Accuracy and Durability

$6.95

COMPANION 6-IN. BENCH SAW
• Auto-lubricating 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, 10 x 12 1/4 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 fine materials, carefully machined, accurately assembled. At their price they have the largest capacity which it is possible to get at still use good workmanship and materials. 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 operations. Rip fence is rigid construction with positive lock.

COMPANION 7-INCH BENCH SAW
• New large table 12 1/4 in. wide; 16 1/2 in. long. Ground finish.
• New massive base completely encloses operating mechanism.
• Dual control ripping fence, made of heavy reinforced steel.
• New rip fence has two separate locks for front and rear locking, both operate from front.
• 7-inch combination blade gives 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.
• Table tilts to any angle from 90 to 45 degrees. Removable dado insert.
• Auto-lubricating bronze bearings. Miter gauge and safety guard.

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

New! Improved! See for yourself if it hasn't all the features found in saws selling for $20.00 or more! Notice the many improvements in this new model—the larger table, the heavier, more accurate construction, the larger size semi-steel base, the improved dual control rip fence of heavy, reinforced steel. Cuts through the toughest, hardest wood with ease. Has latest type auto-lubricating bronze bearings which filter all oil supplied to saw arbor. Journals are protected against particles of foreign material. This insures long life and smooth operation. Saw arbor is accurately machined—runs true under heaviest loads.

New large size, one-piece, semi-steel base (7 1/2 x 12 in.) is rigidly braced. Newly designed, extra-large, tilting type, semi-steel table (12 1/4 x 16 1/2 in.) is heavily ribbed for greatest strength; carefully ground. Adjustable miter gauge, has easily read scale. Improved rip fence locks at both front and rear. One knob locks fence at front and the other locks it at the rear. Rugged, easily-adjusted guard is mounted on splinter. Complete with 2-in. pulley on machine, miter gauge, guard, splitter and rip fence.

99 PM 2171—Without motor. Shipping weight, 40 pounds. $11.50
99 PM 2172—As above with 1/2-H.P. 110-volt 60-cycle A.C. COMPANION ball bearing motor 99 P 5607 shown on Page 41. 4-inch motor pulley and 4-inch V belt. Shipping weight, 78 pounds. $24.45

The Extension Table for Large Work $4.95

These table extensions are accurately made and carefully finished. They fit perfectly and provide a solid surface for work. Give more working space. Set includes 2 steel side extensions each 5 1/2 inches by 16 1/4 inches, with all necessary bars and fittings. Will accommodate rip fence. Easily fitted to your saw to give a total working area 23 1/2 inches wide by 30 1/2 inches long. Complete with necessary support bars, bolts and necessary fittings for attaching to machine. Add these extensions to the bench saw above and you'll have a machine that can handle jobs which would ordinarily overload the capacity of a larger saw.

99 P 2174—Shipping weight, 5 pounds.

Dust Collecting Outfit $1.35

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.

99 P 2246—Shipping wt, 5 lbs.

Page 1

ROSE TOOLS, INC.
End view of Sears revolutionary new "Roll-over" fence showing: (A) vernier adjustment; (B) lock on vernier adjustment; (C) main lock for entire fence.

View of fence in rolled over position, showing how this exclusive Sears feature provides extra table space and allows you to get the fence out of the way for cross cutting without removing it from the machine.

Guard raised to show the spring-loaded kick-backs. Double pivot arrangement allows guard to move both back and up as the work approaches the blade. Very smooth in operation.Guard can be tilted back completely out of way, without removing it from the machine.

View of controls under table, showing (A) tilting control for adjusting table to any desired angle; (B) positive locking mechanism; (C) control for depth of cut. Controls rest your finger tips.

Here's one of the most outstanding improvements in power tool design in recent years! We've taken our most popular bench saw and equipped it with an altogether new type of rip fence (patent applied for)—much more efficient and convenient than any fence ever used before. You'll find nothing like it on any other bench saw in the world—no matter what you pay! When this new fence is moved to the end of the front bar, it strikes a stop and pivots down flat, level with the table surface. It's never necessary to remove it for cut-off work. And even more, in this rolled-over position, it acts as a table extension to give a larger working surface. There's a built-in vernier adjustment for making the fence level with the table or setting the fence to the cut you want.

Notice the many other outstanding features of this CRAFTSMAN 8-inch bench saw. Rugged strength—fine for every detail of construction. The saw blade and arbor are mounted on precision SKF ball bearings packed in grease and sealed against dirt and dust. The guard is entirely different in design and construction—far more convenient and efficient than most types. It's equipped with a splitter and a set of fully enclosed, spring-loaded kick-back dogs. It is mounted with a double pivot arrangement that allows guard to move back and up as the work is pushed in. At the same time, it keeps the blade entirely covered. This type of construction costs much more than the usual type, but it means far more efficient operation of the guard.

Controls are equipped with accurate gauges—indicating depth of cut, depth of dado cut, angle of tilt of table, angle of miter gauge and width of rip.

Check the features above, and the specifications on the opposite page. See for yourself why this CRAFTSMAN has become our most popular bench saw ever. Before we added the new "roll-over" fence! Ship wt., 93 lbs.

$28.95
99 PM 2177—CRAFTSMAN 8-in. Bench Saw complete with indexing miter gauge, "roll-over" fence and guard.

Without motor

$28.95
99 PM 2178—Same as above with 5587 12-h.p., 110-volt 60-cycle capacitor type motor described on Page 43. 1/2-inch V belt and 24-inch motor pulley. Shipping weight, 126 pounds.

$44.95

CRAFTSMAN 8-Inch BALL BEARING BENCH SAW

- 8-inch combination saw blade gives 2½-inch depth of cut.
- Equipped with precision SKF ball bearings for long life.
- Exclusive new "Roll-Over" rip fence. Width of rip shown on gauge.
- Large table, grooved for miter gauge. Miter gauge is indexed.
- Table tilts to any angle up to 45 degrees on heavy trunnions.
- Double pivot guard with splitter and spring-loaded kick-backs.
- All controls are equipped with gauges for accurate work.
SPECIFICATIONS

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

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

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 indicates depth of cut for 5½-inch dado cutters.

ARBOR: Mounted in heavy 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.

RIP FENCE: New, exclusive "Roll-over" type. Gets the fence out of the way in a hurry and provides an extension at the same time. See opposite page for description.

MITER GAUGE: Equipped with indexing device. Stops provided for important angular positions.

GUARD: Automatic leveling type with improved double pivot mounting. Mounted on splitter. May be thrown back out of way without removal from the saw. See opposite page for details.

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

TABLE: Heavy and well ribbed with smoothly ground finish. Size, 15½ x 18½ inches. With extensions shown at right, 26½ x 24½ inches. Recess for dado is carefully machined for perfect fit.

TABLE MOUNTING: Extra large tongue and groove type trunnions.

BASE: 10½ x 18½ inches; rugged gray iron casting.

OVER-ALL DIMENSIONS: 10½ inches high; 14½ inches wide; 22 inches long.

Extension Tables for Large Work
For bench saw No. 99 PM 2176. 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 lifted to your saw to give a total working area 26½ by 24½ inches. Complete with necessary support bars, bolts, fittings and long extension for rip fence. Shipping weight, 31 pounds.

$8.95

Sanding and Cutting Discs
Specify ½-in. hole for saw shown on these 2 pages, and ¾-in. hole for saw shown on Pages 6 and 7.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
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<td>8</td>
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</tr>
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<td>10</td>
<td>$1.49</td>
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COMPARISON

<table>
<thead>
<tr>
<th>4-In. Dados</th>
<th>5½-Inch Dado Saws</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 outside saw, 6 chippers; ¾-inch hole.</td>
<td>2 outside dado saws, 6 chippers; ¾-inch hole.</td>
</tr>
<tr>
<td>Shipping wt. 13 ounces.</td>
<td>Shipping wt. 15 ounces.</td>
</tr>
<tr>
<td>$2.45</td>
<td>$4.80</td>
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</table>

CRAFTSMAN 5½-Inch Dado Saws

9 P 4882-Complete. 2 outside dado saws; 6 chippers; ¾-in. hole. For saw shown on opposite page. Shpg. wt., 1 lb. 10 oz. | $3.50 |

9 P 4883—Out side dado saw only. Shpg. wt., 1 lb. 8 oz. | $3.00 |

9 P 4889—Inside dado saw only. Shpg. wt., 1 lb. 6 oz. | $2.50 |

CRAFTSMAN and FULTON Circular Saws

CRAFTSMAN SAWS—Guaranteed America's finest quality. Made of special refined saw steel, properly tempered and hardened. Every saw carefully tested to make sure they are perfectly round and run absolutely true. Proper tension given by highly skilled saw makers makes the face smooth as glass and gives proper rigidity. Cut fast and easy in all woods. Exclusively hand set and filed, ready for use. Highly polished—red etched.

FULTON SAWS—Made of high carbon saw steel, heat treated and hardened. Hand set and filed, ready for use. Well polished. Meets the demand for a better low priced saw. Really remarkable values at these low prices.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Gauge</th>
<th>Center Holes</th>
<th>Revolutions Per Minute</th>
<th>Shop. Wt.</th>
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</thead>
<tbody>
<tr>
<td>6</td>
<td>18</td>
<td>½ or ¾</td>
<td>4000</td>
<td>8 oz.</td>
</tr>
<tr>
<td>7</td>
<td>18</td>
<td>½ or ¾</td>
<td>3500</td>
<td>12 oz.</td>
</tr>
<tr>
<td>8</td>
<td>17</td>
<td>½ or ¾</td>
<td>3500</td>
<td>1 lb.</td>
</tr>
<tr>
<td>10</td>
<td>16</td>
<td>½ or ¾</td>
<td>3500</td>
<td>1 lb. 10 oz.</td>
</tr>
</tbody>
</table>

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

CRAFTSMAN and FULTON Combination Saws

Handiest of all circular saws because they are specially designed for cross cutting, ripping or mitering. Really 3 saws in 1. CRAFTSMAN and FULTON flat ground saws are set and filed and cut fast and easy in all woods. CRAFTSMAN hollow ground saws run without set due to special grinding. They cut slightly slower than a flat ground saw but leave your work with an exceptionally smooth finish.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Gauge</th>
<th>Center Holes</th>
<th>Revolutions Per Minute</th>
<th>Shop. Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>4927</td>
<td>9 ½ or ¾</td>
<td>4000</td>
<td>8 oz.</td>
</tr>
<tr>
<td>9</td>
<td>4928</td>
<td>9 ½ or ¾</td>
<td>3500</td>
<td>12 oz.</td>
</tr>
<tr>
<td>9</td>
<td>4923</td>
<td>9 ½ or ¾</td>
<td>3500</td>
<td>1 lb.</td>
</tr>
<tr>
<td>9</td>
<td>4924</td>
<td>9 ½ or ¾</td>
<td>3500</td>
<td>1 lb. 10 oz.</td>
</tr>
</tbody>
</table>

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

8-INCH BLADE
FULL 2½-INCH CAPACITY

$34.50

10-INCH BLADE . . FULL 3¼-INCH CAPACITY

$49.50
Without Motor

$79.50
With Motor
TILTING BLADE BENCH SAWS

Lead the Field for Quality and Performance

The elevator gears and rack are fully enclosed by two sheet steel sawdust guards. These have been removed in the illustrations to show the arrangement of gears which accurately control the tilting mechanism.

Massive runnions carry the entire tilting blade mechanism. This rugged construction assures real accuracy through maintenancefree operation. The motor is counterbalanced for ease in operation; it tilts, raises and lowers with saw blade and arbor.

The saw blade tilts to any angle up to 45 degrees, and raises and lowers.

Motor and blade tilt together as a unit. Belt always runs straight—never twisted.

Blade and arbor are carried in heavy cradle on large trunnions to insure stability.

See how easily 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—easily read regardless of position of blade.
- Rip fence feed screw control permits the adjustment of width of cut to 1/64 of an inch.
- Large precision-type SKF ball bearings.
- Elevating gears and rack are fully enclosed.

THE CHOICE OF PROFESSIONAL CRAFTSMEN

These bench saws have made power tool history! With these saws Sears were the first to offer the advantages of tilting blade design to craftsmen everywhere at a reasonable price. And now with the experience gained from building these saws for several years, we have improved and perfected them to make them even more outstanding than ever before.

Our tilting blade design incorporates features that craftsmen have accepted as the best for years. With the conventional saw the table is tilted. It is difficult to hold the work in the correct position for sawing, as it tends to slide toward the lower side of the table. All this is eliminated in this better way. 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!

To build this type of saw—and build it right—required the resources of 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. The runnions must be heavier—the base more rigid—the entire construction must be of the highest quality.

The improvements in the 1939 models include a sawdust guard for elevating gears and rack...a spring tension mounting of saw guard...a new motor base for easier and better adjustment...and a finer quality saw blade as standard equipment. The table is heavy and well ribbed—very smoothly ground to a fine finish. Very large diameter runnions support a massive cradle, which with the blade to provide ample cut. Angle of tilt is 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 rigid, self-squaring type. Feed screw is designed so that feed screw is readily engaged or disengaged; has vernier adjustment to 1/64 inch. The miter gauge is large, accurately made; indexed at 15 degree intervals, graduated at 1 degree intervals; fitted with adjustable stop rods. Blade is finest CRAFTSMAN quality combination crosscut and ripping type. Both 8 and 10-inch saws are covered by Patent No. 2,121,099.

CRAFTSMAN 10-Inch Bench Saw

All the quality and features described above are included in the 10-inch CRAFTSMAN saw. Dimensions and specifications are given below.

SPECIFICATIONS

TABLE: 20 x 27 inches. With extensions added, as shown at right, 28 x 26 inches.
DEPTH OF CUT: From 0 to 3 1/4 inches.
NET WEIGHT: 340 pounds.
OVER-ALL DIMENSIONS: Length, 50 inches; height, 26 inches; width, 28 inches.
RIP FENCE: Fitted to bar graduated in 1/4ths from 0 to 15 inches.
BLADE: 10-inch diameter, 3/4-inch bore.

99 P 2237—CRAFTSMAN 10-inch Tilting Blade Bench Saw. With guard, rip fence, miter gauge, V belt and motor pulley. Without motor. Shipping weight, 300 pounds. $49.90
99 P 2238—Same as above with 3 1/2 HP. ball bearing double drive shaft repulsion-induction type motor, 99 P 2611 described on page 43. 110-volt, 60-cycle A.C. Shpg. wt., 245 lbs. $74.90

CRAFTSMAN 8-Inch Bench Saw

Compare it! We think you'll say it is the finest 8-inch bench saw you've ever seen. All the features discussed above are included. See specifications below.

SPECIFICATIONS

TABLE: 20 x 24 inches. With extensions added, as shown at right, 28 x 26 inches.
DEPTH OF CUT: From 0 to 2 1/4 inches.
NET WEIGHT: 190 pounds.
OVER-ALL DIMENSIONS: Length, 50 inches; height, 21 inches; width, 26 inches.
RIP FENCE: Fitted to bar graduated in 1/4ths from 0 to 11 inches.
BLADE: 8-inch diameter, 3/4-inch bore.

99 P 2237—Same as above with 3 1/2 HP ball bearing double drive shaft repulsion-induction type motor, 99 P 2587 described on page 43. 110-volt, 60-cycle A.C. Shpg. wt., 185 lbs. $49.50

Machine Stand

Ideal for bench saws. Fully described on page 40.
99 P 2748—Top, 10 x 21 inches. Height, 31 in. For Bench Saw 99 P 2236.
Shpg. wt., 39 lbs. $5.65
99 P 2749—Top, 10 x 25 inches. Height, 34 in. For Bench Saw 99 P 2237.
Shpg. wt., 46 lbs. $6.50
99 P 2718—... $9.95

Machine Cabinet

99 P 2236—Bench Saw...

Heavy Duty Indexing Miter Gauge

Same as supplied on bench saws on this page. Fits 3/4 by 3/4-inch slot. Stops for different angles.
9 P 2203—Bench Saw...

Extension Tables for Large Work

Front Extension. With all fittings and fine wood facing
9 P 2209—For 99 P 2236 Bench Saw. 5 x 16 in.
Gross 15 in. In front of blade. Shpg. wt., 14 lbs. $4.50
9 P 2203—For 99 P 2237 Bench Saw. 20 x 15 in.
Gross 17 1/2 in. In front of blade. Shpg. wt., 16 lbs. $4.75

Side Extensions. Only with front extensions above.
9 P 2209—For 99 P 2236 Bench Saw. Each, 6 x 16 in. Shpg. wt., 17 lbs. 2 side extensions...
9 P 2204—For 99 P 2237 Bench Saw. Each, 6 x 24 in.
Gross 24 in. Shipping weight, 58 pounds. 3 side extensions...

Table Inserts for Dado Sawing

Insert is cut out to allow space for 4 dado heads.
9 P 2219—For 99 P 2236 Bench Saw...
Shpg. wt., 8 lbs. $75.00
9 P 2201—For 99 P 2237 Bench Saw...
Shpg. wt., 8 lbs. $85.00

ROSE TOOLS, INC.
The Finest Tool of Its Kind Ever Built

One of the BIGGEST work savers you ever laid eyes on—a hack saw that supplies its own pull! There has long been a great demand among factorymen, carpenters, plumbers, and craftsmen of all kinds for a quality power hack saw at a moderate price. As a general rule the price of such a tool has been beyond the reach of the general user. By close cooperation with the manufacturer, careful design and thorough testing we have produced a really practical shop tool, built for long life, selling at a surprisingly low price.

This power hack saw is fully automatic in action; permits you to do other work while it finishes its job unattended, and with a high degree of accuracy. It is a draw cut machine with an automatic remaining mechanism. The blade lifts from the work on the return stroke, increasing blade life and efficiency.

High quality materials and craftsmanship have been used in every detail of construction. Check the features and specifications carefully. See for yourself why this saw can be compared only with those selling for several times its price! Shpg. wt., 80 lbs.

99 PM 2294—Power Hack Saw

99 P 6580—CRAFTSMAN 12-inch Power Blades. 14 teeth to the inch. 3/4 inch wide. .032 inch thick. Shipping weight, 1 pound 2 ounces. Dozen...

$44.95—CRAFTSMAN Welding Outfit complete as illustrated. $44.95

CRAFTSMAN
Professional WELDING OUTFITS

Parts and Accessories for CRAFTSMAN Welding Outfit

Model A Welding Torch, 17½-inch, heavy duty solid brass. With 6-inch, midget, 4-hole nozzle, 15 power gas, 15 gas, 15a. $14.00

Oxygen and Acetylene Regulators. Gauges are all forged brass fitted with 2-inch beveled glass. Shipping weight, each, 4 pounds. $14.00

Welding Tips. One-piece solid drawn pure copper. Midget. $12.00


CRAFTSMAN Jr. Soldering Outilt

Use with Prat-O-mime cylinders 5/4 in. or 5/4 in. in diameter, 5 feet in length. Shipping weight, 2 pounds. $5.75

CRAFTSMAN Cutting Attachment

Connects it to welding torch in place of mixing chamber. With wrench and No. 9 tip. Gas cylinder up to 13 inches thick. Cuts up to 6-inch thick stainless steel. Shipping weight, 3 lbs. 6 ozs. $14.50

CRAFTSMAN Professional WELDING OUTFITS

Every part listed as standard by Underwriters. Permanent Underwriters’ label assures you of complete safety of materials and construction. Made by the world’s leading manufacturer of welding tools and guarantees 100% efficiency or money back. CRAFTSMAN Welding Outfit consists of:

- One CRAFTSMAN Model A Welding Torch 17½-inch, heavy duty solid brass, with 6-inch, midget, 4-hole nozzle, 15 power gas, 15 gas, 15a
- Two CRAFTSMAN Oxygen Regulators, 15 power gas, 15 gas, 15a
- Two CRAFTSMAN Acetylene Regulators, 15 power gas, 15 gas, 15a
- One CRAFTSMAN 12-inch Mixing Chamber
- One CRAFTSMAN Cutting Attachment

CRAFTSMAN, 3 Post Road, North Haven, Conn.
Glass Insulated ARC WELDER

- Coils are made of highest grade copper magnet wire insulated with PURE GLASS FABRIC.
- Glass fabric insulation resists temperature as high as 500° Fahrenheit... practically eliminates burning out of coils.
- 160-amp. maximum capacity with 6 taps for different work.
- Built for professional use and for continuous service.

If you want the best in A.C. electric welding equipment—if you weld all thicknesses of metals—if you weld for long periods at a time—the CRAFTSMAN is the welder for you! Bigger! Heavier! Actually compares with welders selling for up to $150.00! So simple to operate that no experience is necessary. The use of the new glass fabric insulated wire is one of the greatest advancements EVER made in welder design! This new insulation actually looks like rayon, but is woven from pure glass. Think of having a welder that resists temperatures as high as 500° Fahrenheit! No danger of burning out coils when operating on high heat! As long as you use it on the correct current supply (220 volts A.C.) it is almost impossible to harm the machine. Wide range of heats—150, 120, 90, 60, 40 and 20 amperes of actual welding current. Handles all work from heavy castings and structural steel down to light metals like fenders, sheet metals, etc. Cuts iron, steel, or cast iron up to 3/4 in. thick. Will do brazing or soldering. Uses rods from 1/16 to 3/8 in. Melts 1/2-in. rods at a rate of 450 in. per hour.

New type Bakelite selector plug and control panel make it easy to change from one welding heat to another INSTANTLY. Enclosed Bakelite control panel. Cabinet is 18x18 in.; 32 1/2 in. high. Operates on 220-volt, 60-cycle, single-phase, alternating current only. Includes two 10-foot welding cables, electrode holder, extension cord, welder's helmet, supply of welding rods, carbon electrode for brazing, soldering and cutting, and instructions.

99 PM 2001—Shipping weight, 155 pounds $87.50

Utility ARC WELDER

- Will melt 300 inches of 1/4-in. welding rod per hour.
- Operates on 110-volt, or 220-volt, 60-cycle A.C.
- Plugs in to socket. Uses standard 30-ampere fuse.
- Has 4-hoe control taps; proper heat for every job.
- Easily movable on heavy steel casters; machine is entirely enclosed for greater safety and durability.

Do your own arc welding—and save money! The COMPANION Arc Welder is the ideal machine for repair and maintenance jobs. With it, you can weld automobile engine blocks, axles, frames, farm machinery, tanks, etc. Usually earns its cost back in a few hours. Very easy to operate. No experience necessary.

Operates on 110-volt or 220-volt, 60-cycle, single phase, alternating current. Also operates on one phase of a three-phase current supply. Uses welding rods from 1/16 inch to 1/4 inch diameter, and cuts metal up to 1/4 inch thick. Four heat control taps—heat range from 25 to 80 amperes on 110 volts A.C. and 55 to 120 amperes on 220 volts A.C. Transformer and variable reactance entirely enclosed for maximum safety. Welds iron, steel, cast iron, cast steel, etc. Brazes other metals like brass, copper, bronze, etc. Also may be used for soldering and light cutting. Not recommended for steady production use, yet ideal for general purpose intermittent service where the machine may be allowed to cool off periodically. Period of continuous operation varies with heat tap used. Includes two ten-foot welding cables, high quality electrode holder, extension wiring, welders helmet, supply of welding rods, carbon electrode for brazing, soldering and cutting, and simple operating instructions.

99 PM 2007—Shipping weight, 125 pounds $42.50

Shielded Welding Rods $1.29

These welding rods are intended particularly for A.C. arc welders. Also may be used on D.C. welders. They are covered with a heavy coating of flux. The flux cleans the surface of the metal and also protects the surface of the work being welded. At the intensely high temperature of the arc oxides will form on the molten metal and may be included in the weld if an effective flux is not used. Plus also allows the weld to cool more slowly. Recommended for general purposes to work on cast iron and steel. Shipping weight, 5 pounds 12 ounces.

9 P 2003—Specify size wanted. 1 lb. $1.90 1/4 lb. $1.69 1/8 lb. $1.99 1/2 lb. $2.29

Welding Helmet $3.19

An absolute necessity for the welding operator in order to protect him against sparks and shield his eyes from the brilliant light. You should never get close to a welder without the protection of a helmet. Strongly made. Adjustable to any angle or to different sizes of head. May be thrown back out of way without removing from head. The eye shield has two layers of glass. The outer layer is made of ordinary inexpensive glass which protects the more expensive colored glass on the inside.

9 P 2009—Shipping weight, 14 oz. $3.19
COMPANION  
BRONZE BEARING  

4¼-In. JOINTER-PLANER

- Large SOLID STEEL 4½-in. cutter head. Carefully balanced for smoothness at high speeds. (We know of no other jointer for less than $20.00 which has a solid steel head.)
- Three high-speed steel cutters retain their sharp, easy cutting qualities for long periods. Locked in place with gib plates and set screws tapped through the head itself.
- Fitted with auto-lubricating bronze bearings.
- Tables are finish ground after assembly on base to insure absolute accuracy.
- Micromatic control for depth of cut with accurate scale for easy, quick adjustment.
- Finely graduated scale on fence for angle cuts (see inset).

This jointer-planer gives woodworkers a greater degree of accuracy and safety than any similar tool offered anywhere near this price. Do not confuse this sturdy 4½-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.

The tables are ground after assembly and operate on accurately machined ways that insure perfect relationship of both tables for all depths of cut. Total length of tables, 21½ 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 so as to provide long life. New fence regulating mechanism permits quick adjustments for angle cuts. Oversize 4½-inch steel cutter head easily handles 4-inch lumber in the rough. Net weight, 38 pounds.

99 PM 2287—Shipping weight, 44 pounds ...............................$14.50

CRAFTSMAN  
BALL BEARING  

4¼-In. JOINTER-PLANER

- Solid steel 4½-in. cutter head runs in accurately fitted SKF ball bearings that are fully enclosed.
- Extra long tables give better support to work. Full 26 in. long over all—for greater accuracy—finer work.
- Two guards—one on each side of fence—keep the cutter head covered regardless of position of fence. This means greater safety for the operator at all times.
- Improved fence design—position and angle adjustment are accurate and operate independently of each other.
- Rugged gray iron frame is carefully designed, 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.

This jointer-planer is made for the craftsman who wants top-notch quality—accuracy—and convenience of adjustments. Has all the features of the COMPANION jointer-planer shown at left plus ball bearing construction, much longer tables, improved fence and double guards. The fine precision ball bearing construction means smoother operation and longer life. The tables are longer than we have ever offered in a 4½-in. jointer. Full 26 in. over all. The double guard provides a guard on each side of the fence. The cutter head is always covered, regardless of fence position. This means maximum safety at all times. The entire fence and tilting mechanism may be moved sideways across the table without affecting the angle. Carefully ground tables slide on ways that are machined to close limits for permanent accuracy.

CRAFTSMAN engineers and CRAFTSMAN manufacturers agree that the most important single characteristic of a jointer is accuracy. In the finely ground table, steel cutter head, precision ball bearing, and many other features you will find their answer to the demand for accuracy. We believe you will find this jointer a very accurate tool and a fine addition to your shop. Over-all length, 26 in. Width, 9½ in. Height, 8½ in. Shipping weight, 51 pounds. ...............................$33.00

4¼-Inch Jointer Knives

High speed tool steel blades that are ground to a keen edge—and held in! Finest quality! Set of three for either of the jointers on this page. Shipping weight, 7 ounces. ...............................$2.10

Page 8
CRAFTSMAN REG. U. S. PAT. OFF.

6-INCH HEAVY DUTY JOINTER-PLANER

- Heavy SKF ball bearings enclosed in dustproof housings for long service.
- Solid steel cutter head, 2½ inches in diameter, full 6 inches wide. Equipped with 3 high speed steel knives.
- Full ¾-inch diameter steel shaft.
- Maximum depth of cut, ¾-inch.
- Extra long tables, 37 inches over all.
- Tables accurately ground for perfect alignment; move on dovetailed ways.
- Accurate heavy gray iron frame.
- Equipped with geared-type tilting fence. Large, quick-acting guard. Accurate depth of cut scale.

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 28 inches long and 4 inches high. It can be moved as a unit across table without changing its angle. The efficient guard keeps cutter head covered and need never be removed, even for rabbing. Protractor gauge indicates depth of cut at all times. The movement of table is magnified by pointer, thus insuring accuracy. Over-all dimensions: length, 37 in.; height, 13 in.; width, 13 in.

Shipping weight, 160 pounds.

99 PM 2298 — 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. $43.50
99 PM 2296 — Same as above with 99 P 5587 ½-H. P. Condenser Motor shown on Page 43. Shipping weight, 195 pounds. $59.50

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. Ship., wt., 4 oz. 9 P 2282. $3.35

MACHINE STAND — For jointer-planer 99 PM 2281. Strong and rigid. Has 10¼-inch top; height, 31 in. See Page 40 for detailed description. Shipping wt., 36 lbs. 99 P 2745. $5.75

CRAFTSMAN THICKNESS PLANER

- Precision New Departure ball bearings.
- Feed rolls machined from solid steel.
- 3¼-inch diameter steel cutter head.
- Frame is heavy, well ribbed one-piece casting.
- Graduated scale shows depth of cut.

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. A dependable woodworking machine designed for production work in shops and mills.

Will plane material up to 12 in. wide and 4 in. thick—and as small as 6 in. long and 3/8 in. thick. Table is fitted to main frame by machined ways. Adjustment for depth of cut made with convenient hand wheel. Front infeed roll is fluted to insure positive feed. Gear box is equipped with cut gears fully lubricated for a lifetime of service.

Pressure rolls have compression springs, conveniently adjusted. Safety-type cutter head, 3½ inches in diameter, is fitted with 3 high-speed knives. Motor requirements vary from ½ to 2 H.P. depending on depth and width of cut, kind of wood, etc. Shipped from factory in Southern Ohio and you pay freight from there.

99 PM 2349 — Shipment weight, 290 pounds $179.50

Page 9
CRAFTSMAN

SHAPERS

- Fixed spindle design. No need to remove or invert spindle.
- Bevel gears accurately raise or lower table for adjusting cut.
- Extra-large deep grooves SKF ball bearings for smooth operation.
- 6-inch diameter ground steel spindle.
- Design of shaper fence provides maximum safety for operator.
- Fence depth scale is graduated from 0 to 6 inch in 1/4 divisions.

Any shaper must be capable of operating at very high speeds if it is to cut smoothly and rapidly at all possible angles to the grain of the wood. In the CRAFTSMAN shapers instead of the spindle and bearings 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. Mounting the bearings directly in the frame means that they are more solidly mounted. Moreover they are backed up by a large mass of gray iron which will rapidly carry away any heat which may develop from the normal operation of these bearings at high speeds. The CRAFTSMAN shapers will actually turn 15,000 R.P.M. smoothly and easily.

Table is raised and lowered by means of gears and raising screw. A 23/4-inch diameter column carries table in its vertical movement and a smaller rod prevents side movement. Large, coordinate type wedges lock table in any position. Table has slot for miter gauge, and tapped holes for starting pins and hold-down studs. Table insert is removable for drum sanding. One side of fence may be moved in or out for jointing operations. Screw feed is controlled by a convenient hand knob. May be locked in any desired position. Graduated scale shows depth of cut.

Specifications: Table size, 12x15 in. Spindle speed, using 3450 R.P.M. motor, 9200 R.P.M. Spindle diameter, 6 in. 2-step spindle for 1/4 or 3/8-in. bore cutters.

COMPANION Machine Stand

Mount your shaper on this sturdy, all-metal stand. Extremely strong and rigid. Top, 10x21 in. 31 in. high. For complete description see Page 40.

LOWEST PRICES ON FINE QUALITY SHAPERS, CUTTERS AND COLLARS

Cutters in Top Two Rows Fit 1/2-Inch Spindles

- Tongue and groove: Shpg. wt., 10 oz. $1.60
- Large size. Blades about 1/8 inch longer than above: $1.60
- Large size. Blades about 1/4 inch longer than above: $1.60
- Large size. Blades about 1/2 inch longer than above: $1.60
- Small size. Blades about 1/8 inch longer than above: $1.60
- Small size. Blades about 1/4 inch longer than above: $1.60
- Small size. Blades about 1/2 inch longer than above: $1.60

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

10-INCH BAND SAW
FULLY ENCLOSED

EXCLUSIVE SEARS DEVELOPMENT

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

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

The 1/4-inch, high quality steel blade is 63 inches long to permit cutting a full 4 3/4-inch depth instead of the usual 4 inches. Cuts to center of a 20-inch circle.

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

SPECIFICATION

TABLE: 10x10-inch, top smoothly ground. Soft metal insert protects blade. Supported on large tongue-type protractor trunnion fitted with graduated scale showing angle of cut up to 45 degrees. Can be fitted with rip fence as shown below. Auxiliary wood table, 24½ 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: Overall height, 28 3/4 inches; overall width, 18 3/4 inches; depth, 10 inches.

CRAFTSMAN DeLuxe 10-Inch Band Saw

99 PM 2297—Without motor. Use 1/3-H.P. motor. See Page 43. Shipping weight, 95 pounds. $25.90

CRAFTSMAN Standard 10-Inch Band Saw

99 PM 2216—Standard model is exactly the same as the DeLuxe model except in place of ball bearings the wheels are mounted on auto-lubricating bronze bearings, and panels on guard are not aluminum finished like the DeLuxe model. Without motor. Use 1/3-H.P. motor. See Page 43. Shipping weight, 95 pounds. $19.95

Features of the CRAFTSMAN DeLuxe Model

- Entire mechanism fully enclosed by heavy gray iron frame and front guard that opens like a door.
- Each wheel runs on two 25KG ball bearings, sealed and packed with grease for lifetime service.
- Rubber faced 10 1/2-inch wheels.
- Depth of cut, 4 3/4 inches. Cuts to center of 20-inch circle.
- Table tilts to any angle up to 45° on heavy tongue- and groove trunnions. Angle of cut shown on scale.
- Upper wheel may be raised for adjustment of blade tension, and may be tilted to make blade track correctly.
- Mechanism for adjustment is fully enclosed; adjustments are easily made from outside of machine.

Band Saw Blades


99 P 2665.......................... 79c

Machine Stand

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

99 P 2743.......................... $4.85

Tool Light

Clamps on band saw. Throws light on your work—keeps it out of your eyes. 15-16, flexible neck, reflector, cord and plug. Shpg. wt., 1 lb. 12 oz.

99 P 2284........................... $1.60

Rip Fence

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

99 P 2283.......................... $2.25

Easy to Order

CRAFTSMAN band saws are easy to order. Enter model number and price. Please mention the number of motor to be attached if you have not ordered one. Same prices all over the country. Local delivery available in many places. Stamp 15¢ on carton and return to CRAFTSMAN Power Tool, 500 4th Ave., New York 16, N.Y.
CRAFTSMAN
12-inch Ball Bearing Band Saw
Has Greater Capacity

$29.95
Without Motor

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

SPECIFICATIONS

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

BALL BEARING WHEELS: Both upper and lower wheel bearings are precision ball bearing type, two sets in each wheel. Practically go for details. 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 retainer 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°. Easily read scale and pointer tell at a glance the angle to which table is set. Convenient locking handle gives quick control. Table is well ribbed, and two sides are positively lined up by a plate across the slot that is bolted down, eliminating the less efficient retaining screw ordinarily used. Wood extension table at rear increases working surface to 18x12 inches.

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

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

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

Quieter, more effective guards, mounted so that the upper guard moves up and down with the upper wheel. This keeps proper clearance between the wheel and the guard at all times. Wheels are carefully and individually balanced so as to add to the quiet smoothness with which this saw operates. The upper wheel spindle is carried on a support of new and exclusive design; heavier for greater stability, simpler for easier adjusting to a more positive wheel alignment and blade tension. Oil-impregnated bronze guides lubricate the saw blade in passing, increasing its life and preventing hardening. Feature for feature, price for price, this 12-inch CRAFTSMAN band saw is a real value. Complete with 48-inch belt, 5/16-inch wide saw blade, 3/8-inch V motor pulley and 72-page book of instructions. Shipping weight, 104 pounds.

99 PM 2304—Without motor .................................. $29.95
99 PM 2314—Same as above but with COMPANION ½-H.P. ball bearing double shaft motor, 99 P 5607, for 110-120 volt, 60-cycle A.C. See Page 43. Shipping weight, 135 pounds. .................................. $39.45
16-inch Ball Bearing Band Saw
Built for Heavy Duty Production

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

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.
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 13-inch capacity.
BEARINGS: 2 sets dust-sealed SKF ball bearings in each wheel. Packed with lubricant.
DIMENSIONS: Height over all, without base, 50½ in. Width, over all, 30½ in. Maximum depth, 22 in.

Highest Quality!

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

SKF bearings on upper wheel and lower drive shaft give maximum smoothness of operation. New type oil-impregnated bronze saw guide blocks protect your blades; make them last longer. A new type mounting for the upper wheel spindle makes possible more perfect alignment. New system of mounting always maintains the same distance between guard and wheel. The wheel and guard are assembled 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 1½-in. belt, 1-in.-V motor pulley, ¾-in. saw blade, rip fence, and 72-page book of instructions. Shipping weight, 310 pounds.

99 PM 2301—Less base and motor ........................................... $79.50
99 PM 2310—Heavy gray iron base for 99 PM 2301 band saw. Shipping weight, 125 pounds ................................................................. $15.75
99 PM 2316—With base and ½-H.P. 1750 R.P.M. 110-volt, 60-cycle A.C. CRAFTSMAN Ball Bearing Motor, 99 PM 3649. See Page 42. Shipping weight, 503 pounds ................................................................. $122.50

COMPANION Band Saw Blades
For 16-inch band saw. Made of very finest quality saw steel, carefully tempered, set, and ground. We recommend the 4-in. blade for renewing. Length, 111½ in. Specify width blade wanted. Ship wt., each, 8 oz.

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

Special Length Band Saw Blades
Finest Swedish saw steel. NOT BRAZED. We grind blades for 40c each. Shipped from factory at Chicago, III., and rate per package from there. Order from Sears nearest mail order house. State width and length. Length in in. 6 8 10 12 14 16 18

9 P 2669—Per ft. ........................................... 9c 10c 12c 14c 15c 17c 20c 24c 28c

Page 13
COMPANION 8 x 34-INCH WOOD TURNING LATHE

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

You'd never expect so fine a lathe at anywhere near this low price! A good combination of handy size coupled with high quality and advanced performance. We could have built it larger—but we preferred to build it BETTER—with a heavier 3/4-in. finely machined spindle, auto-lubricating bronze bearings, and better cup and spur centers. All parts are carefully fitted to keep the lathe running with smooth efficiency for many years.

This compact lathe will handle work up to 25 inches between centers and up to 8 inches in diameter. The headstock is designed like those on the large factory type production lathes. It's stronger, sturdier, and smoother running. Tailstock is of equally advanced design. Has ball thrust bearing, 6-1/2 inch tool rest and all fittings as illustrated. Use 3/4 or 3/4-H.P. motor (see Pages 42 and 43). Shipping weight, 22 pounds.

99 P 2013—COMPANION Wood Turning Lathe...$6.45

COMPANION 6 x 28-INCH METAL TURNING LATHE

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

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

Spindle is threaded 3/4 x 24 threads per inch. Knockout centers in headstock and tailstock. Lead screw provided for longitudinal feed of carriage. Tailstock may be set over for turning tapers. Cross feed and angular feed are gibbed for take up. Use 3/4 or 3/4-H.P. motor (see Pages 42-43). Shipping weight, 28 pounds.

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

ACCESSORIES FOR WOOD TURNING LATHES

Face Plates
For number 99 P 2013 or any other lathe with 3/4-in. plain spindles. Carefully machined and balanced.
9 P 2089—3-in. Spindle, 8 oz. 85c
9 P 2091—2-in. Spindle, 2 oz. 58c
9 P 2100—1-in. Spindle, 1 oz. 65c

Spur Center
For number 99 P 2013 or any other lathe with 3/4-in. spindles. Removable center, tool weight, 6 ounces.
9 P 2101—8 oz. 65c

Cup Center
Carefully machined, hardened steel cup center for tailstock of lathe. Replaces center, 8 oz. Spindling weight, 6 ounces.
9 P 2102—6 oz. 65c

Lathe Grinding Attachment
Shown in left inset above. Fits spindle and bed on 99 P 2013 lathe. Use it for all kinds of grinding work. Includes guard, tool rest, etc., for fitting, 4 x 3/4-in. grinding wheel, center, etc.
9 P 2011—Spindle, 1 lb. 10 oz. $1.35

Lathe Sanding Attachment
Shown in right inset above. Do accurate and thorough sanding on your lathe with this handy attachment. Consists of tilting table and clamps for use on lathe above. Use with sanding disc 9 P 2152 below.
9 P 2214—Spindle, 6 lbs. 8 oz. $2.75

Work Arbor
6 Fits 1/4- or 1/2-in. straight spindles. Fastens on with taper taper. Threaded 3/4-in. x 24-thread for 3-jaw jaw 1/4-in. chuck. State 3/4-in. or 1/2-in. 9 P 2118—4 oz. 95c
3-Jaw Chucks
These 3-jaw chucks are accurately machined to run true. Nicely finished. Superior to ordinary chucks. Fit 1/2-in. 24-thread per inch spindles.
9 P 2113—1/4-in. capacity, 95c
9 P 2114—1/2-in. capacity, 100c
9 P 2115—3/4-in. capacity, 120c
9 P 2116—1-in. capacity, 150c
9 P 2117—1 1/2-in. capacity, 200c

3-Jaw Chuck Drill Chuck and Arbor
Carefully made 3-jaw steel chuck with adapter, for lathes or motors with 1/4-in. or 3/8-in. straight spindles. Arbor is 1/4-in. x 24-thread. 9 P 2140—Spindle, 1 lb. 6 oz. 95c

3-Jaw Chuck Drill Chuck and Arbor
State 3/4-in. or 1/2-in. spindles. Spindling weight, 15 ounces.
9 P 2129—6 oz. 65c

Work Arbor
Same as 9 P 2118, above, but without chuck. Has finely faced steel collars to clamp grinding or buffing wheel. State 3/4-in. or 1/2-in. spindle. Spindling weight, 15 ounces.
9 P 2120—6 oz. 65c

Drum Sander
Accurately made, complete with sleeve and adapter. Fits 1/4-in. x 24 threaded shaft. Spindling weight, 12 ounces.
9 P 2520—8 oz. 98c
9 P 2522—Sanding sleeve for above drum. Fine, medium or coarse. State grit wanted. Spindling weight, 2 ounces. Each...118c

Sanding Discs
Carefully machined and balanced. Aluminum discs fitted with sandpaper. Fit only 1/2-in. straight spindles.
9 P 2109—6 inch. 95c
9 P 2119—8 inch. 95c
9 P 2120—10 inch. 118c
9 P 2121—12 inch. 140c

Page 14
PRECISION MODEL MAKERS’ LATHE
BACK GEARED..6-INCH SWING..30-INCH BED

SPECIFICATIONS

Swing over bed: 6 inches.
Maximum distance between centers: 18 inches.
Swing over carriage: 4½ inches.
Length over all: 30 inches.
Height over all: 11½ inches.
Depth over all: (including motor): 24 inches.

Hole through spindle: 1½ inch.
Spindle nose: 1-inch diameter; 8 threads per inch.
Taper in headstock: No. 2 Morse.
Taper in tailstock: No. 1 Morse.

3-Jaw Chuck

Superior to ordinary chucks. Fits 3/4-inch 14-thread per inch spindles. ¾-inch capacity. Shipping weight: 12 ounces.

Reversing Switch

To be used on the above lathe. Shipping weight: 3 lbs.

Jacobs’ 1½-Inch Chuck

When fitted with arbor 9 P 2123 or 9 P 2124, it may be used either in the lathe head or tailstock. Shipping weight: 2 pounds.

Independent Chuck

Four reversible jaws move independently. 4 inches in diameter. Shipping weight 4 pounds 2 ounces.

4-In. Universal Chuck


Steady Rest

For accurate work on long pieces. Shipping wt., 5 lbs. 8 oz.

Face Plate

Fits 1-inch 8-thread spindle as on 99 PM 2048 lathe above. Diameter, 9½ in. Shipping wt., 2 lbs.

ACCESSORIES FOR MODEL MAKERS’ LATHE ABOVE

ACCESSORIES FOR MODEL MAKERS’ LATHE ABOVE

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CRAFTSMAN

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

- Double bearing headstock (a bearing on each side of the spindle pulley) insures best support for spindle. Permits large diameter work to be turned outboard.
- Special auto-lubricating bronze bearings for long life.
- Headstock ball thrust bearing takes end thrust that comes on the spindle and insures smooth, easy operation.
- Spindle accurately ground to size for perfect alignment.
- Hollow spindle with 5/8-in. hole is ground to take No. 1 Morse taper centers and arbors. Spindle nose diameter, 3/16 in.; 16-thread.
- Use of No. 1 Morse taper centers in both head and tailstock makes it easy to use work arbors, drill chucks, etc.
- Four speeds ranging from 700 R.P.M. to 4000 R.P.M. — when jack shaft is used, 350 R.P.M. to 8600 R.P.M.
- Can be equipped with compound rest, etc., for metal turning.
- Pulley indexed for dividing, and indexing stop is provided.
- Streamlined tailstock equipped with self-ejecting center with No. 1 Morse taper, ram lock, and set-over for taper turning.
- 44-inch heavy gray iron bed, accurately milled and strongly webbed. 30 inches between centers.
- Rugged headstock guarantees accuracy, rigidity and easy belt shifting for the various speeds required.

Complete Metal Working Outfit
This fine metal working outfit incorporates an exceptionally fine quality compound rest graduated to one-thousandth of an inch, angular dial from zero to 180 degrees, longitudinal feed of 6 in. and a transverse feed of 5/8 in. The outfit includes our CRAFTSMAN 9-in. lathes, compound rest, production type tool post, tool holder, six tool bits, wrenches, multiple speed jack shaft, 4-in. 4-jaw chuck, belt, pulleys, and 50-degree center. Motor not included.

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

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

99 PM 2017. $2.35

4-Jaw Independent Chuck
4-inch. 4 reversible jaws. Each jaw moves by its own key and lock nut. Inc?. Side plate with four holes at outer grip and four holes at inner grip for $4.95
9 P 2156
9 P 2792—3-inch Universal Scroll Chuck. 3 jaws move at outer grip, 3 jaws controllable from inner grip by two keys. Rock plate $2.85
9 P 2195
Page 16

High Grade Face Plates
4 9 P 2099—5/4-in. wood or metal facing plates fixed, machined and balanced, double threaded for either end of spindle. Shank wt. 2 lbs. $1.35
9 P 2059
9 P 2091—3-inch face plates with 3/4-in. holes. Removable center and screw center. Shank wt. 1 lb. 12 oz. $1.10
9 P 2058
3 Holes $12.45

Compound Tool Rest
Precision built throughout. 1 Feed collar graduated to one thousandth of an inch. Angular dial graduated to 180 degrees. Transverse feed. 3/64 inches, angular or longitudinal feed. 6 inches. For tool bits and holders, see Page 213. Shipping weight, 18 lbs. $13.90
9 P 2168
9 P 2178 $3.85

Quality Steady Rest
For supporting extra long work in lathe. Packed with best quality brass jaws! Essential when turning long, slender pieces in the lathe. Very well made, sturdy and convenient to use. Shipping weight, 4 pounds.
9 P 2178

Lathe Centers and Arbors
No. 1 Morse taper. The very finest. Bored to 1/16-in. size. Others graduated to 1/16-in. size. Shank $1.95
9 P 2123
9 P 2112
9 P 2106
9 P 2110
9 P 2109 $1.95
9 P 2108
9 P 2107
9 P 2111 $1.95
9 P 2104—Capacity, 3/16 to 1/8-in. Shank wt. $1.10
9 P 2173 $2.19
9 P 2173

1/2-Inch Jacobs' Chuck
Extremely high quality throughout. Cannot be beat on medium diameter. Fits modified No. 2 Morse taper. Use with 9 P 2123 arbor for lathe on this page or 9 P 2124 arbor for lathe on Page 17. Shank wt. 1 lb. 12 oz. $8.00
9 P 2123 $1.95
9 P 2124 $8.95
9 P 2122 $1.95

18-Inch Tool Rest
Well made. Built for long service. Well machined and nicely finished. A great convenience when making long turning such as table legs or lamp spindles. Ready adjusted. Shank 1 1/4-in. Shank wt. 7 lbs. $12.50
9 P 2173 $2.19
9 P 2173

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

Bearings are of the auto-lubricating bronze type, surrounded by oil reservoirs, and will give practically limitless service. Specially fitted and installed, they seal the spindle journals from grit and abrasive dust, and insure longer life and greater accuracy. Longitudinal thrust is absorbed by the ball thrust bearing in the headstock. The tailstock may be set over for turning tapers. It is equipped with self-ejecting center and ram lock. Pulley is mounted between headstock bearings so that the spindle is perfectly supported. This makes it possible to turn large diameter work on the outside 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 speed by turning the headstock pulley for the proper speed. Pulley is accurately indexed so that work may be accurately divided and flutes may be correctly cut into spindles or columns. Headstock spindle has right hand threads inboard and left hand threads outboard, permitting the double threaded face plate 9 P 2090 to be used on either end of the spindle without the necessity of reversing the motor.

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

99 PM 2019. $14.50

Page 16
Ball Bearing Lathe...Convertible for Metal Turning. 10-In Swing. 54-In. Bed

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

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

Tailstock: Fitted with accurately ground steel ram and an automatic knock-out device for removing the No. 2 Morse taper centers and arbors easily and quickly. Ram is graduated in 1/8-inch divisions. Tailstock handle is chromium plated.

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

Maximum Center to Center Distance: Over 36 inches.

Swing: 10 inches.

Over-all Length: 66 inches.

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

Hole Through Headstock Spindle: 3/4 inch.

Spindle Nose: 1-inch diameter, 8 threads per inch.

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

4 Speeds: 275, 1300, 2300, 4300 R.P.M.

Headstock Pulley: Indexed in 60 divisions.

Power Recommended: 3/4-H.P. or 1/2-H.P., 1750 R.P.M. See Page 43 for complete description and prices of motors.

Equipment: Four-step 3/4-inch bore motor pulley, cup and spur center holder, wrench, and finest quality Vee belt. Metal working attachments available.

Independent Chuck
Four reversible jaws move independently. Diam. 4 in., fits 1-in. 8-thread spindle on 99 PM 2027 lathe. Shpg. wt., 4 lbs. 2 oz.
9 P 2138 $4.95
4-in. Universal Chuck: 3-jaw, self centering. Fits 1-in. 8-thread spindle.
(Not illustrated.)
9 P 2149 Shpg. wt., 1 lbs. 8 oz. $14.75

Face Plates
Fit 1-in. 8-thread spindle such as on 99 PM 2027 lathe above.
9 P 2085 - 1 1/2 in. $1.29
9 P 2086 - 1 3/4 in. $2.90

Lathe Centers and Arbors
No. 2 Morse taper shanks. Diam. 1/4 in., fits 1-in. 8-thread spindle on 99 PM 2027 lathe. Shpg. wt., 1 lbs. 2 oz.
9 P 2107 - 1 1/2 in. 65c
9 P 2101 - 3 in. 65c
9 P 2111 - 60-Degree Center 65c
9 P 2113 - Precision Ball Bearing 60-Degree Center. Shipping wt., 8 oz... $1.65
9 P 2115 - Screw Center 95c
9 P 2124 - Arbor for Jacobs' Chuck 75c
9 P 2125 - Arbor and 3-jaw Chuck. 80c
9 P 2136 - Arbor and 3-jaw Chuck. 80c
9 P 2143 - Arbor and 3-jaw Chuck. 80c
9 P 2148 - Arbor and 3-jaw Chuck. 80c
9 P 2150 - Arbor and 3-jaw Chuck. 80c

Sanding Drum and Sleeves
By using this drum on your lathe you can do sanding in a tidy. Handy for sanding around curves. Has rubber backing. Fits grinding arbor 9 P 2165 or 9 P 2166. Fits 1-in, 23/4 in., 3 in. long. With adapter and one sleeve. Shpg. wt., 13 oz.
9 P 2520 - Sanding Drum... 98c
9 P 2522 - Sanding Sleeve. Coarse, medium or fine. Diam. 3/4 in., 1 lbs. 2 oz. Shipping weight, 1 ounce. Each... 19c

Steady Rest
Ideal for supporting extra long work in lathe. Handy when turning long slender pieces. Best quality brass jaws. 3 inches in length, shipping weight, 1 ounces. 9 P 2023... $4.65

Compound Tool Rest
Precision built! New heavy duty design. Fits 99 PM 2027 or old model 99 PM 2022 with round bed. Angled dial graduated to 180 degrees. Swivels 360 degrees. Transverse feed, 6 in. in longitudinal feed, 7/8 in. Tool holder not included. With 4-step tool sockets on Page 31. Shpg. wt., 29 lbs.
9 P 2994... $15.65

24-Inch Tool Rest
With adapter for flat or round bed lathe like 99 PM 2027. With tool brackets. Shpg. wt., 1 lbs.
9 P 2995... $3.19
CRAFTSMAN UNIVERSAL HEAVY DUTY LATHE
Built to Handle Big Jobs . . . Wood or Metal

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

The heavy semi-steel bed with its broad, accurately machined ways, is sturdy 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 1½-in. rod. The head-stock pulley is accurately indexed. The tailstock, a heavy duty type, may be set over for tapers, and is fitted with self-ejecting No. 3 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 turning operations with great ease.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Swing over bed</th>
<th>12½ inches.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length, over-ALL</td>
<td>44 inches.</td>
</tr>
<tr>
<td>Height, over-ALL</td>
<td>30 inches.</td>
</tr>
<tr>
<td>Maximum distance between centers</td>
<td>36 inches.</td>
</tr>
<tr>
<td>Number of speeds</td>
<td>4</td>
</tr>
<tr>
<td>Speeds</td>
<td>575, 1025, 1725, 2875</td>
</tr>
<tr>
<td>Tailstock set over</td>
<td>3½ inches</td>
</tr>
<tr>
<td>Index headstock pulley</td>
<td>60 positions</td>
</tr>
<tr>
<td>Hole through spindle</td>
<td>½ in.</td>
</tr>
<tr>
<td>Spindle nose</td>
<td>1¼ in. 8-thread</td>
</tr>
<tr>
<td>Headstock spindle: has No. 3 Morse taper with sleeve to No. 21</td>
<td></td>
</tr>
<tr>
<td>Tailstock: has No. 3 Morse taper in tail</td>
<td></td>
</tr>
<tr>
<td>Tailstock ram travel</td>
<td>3¾ inches</td>
</tr>
<tr>
<td>Toe rest length</td>
<td>12 inches</td>
</tr>
</tbody>
</table>

$45.00

These Units Will Convert Your Universal Lathe Into

<table>
<thead>
<tr>
<th>Metal Turning Outfit. This is an outfit that is essential for use in metal turning and we recommend that you include it in your order when buying parts necessary to convert your universal lathe to a metal turning screw cutting job. You'll find it worthwhile. Fine quality accessories at a money saving price. Consists of two No. 2 Morse taper 60-degree centers, tool holder, 2 tool bits, 1-inch dog and 6-inch face plate machined to fit 99 PM 2025 CRAFTSMAN Universal Heavy Duty lathe. Shipping weight, 5 pounds.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Countershaft Assembly. A valuable addition to your lathe for metal working. Selection of 8 speeds: 170, 200, 220, 250, 350, 500, 800, 1250 and 1500 R.P.M. Low speeds are entirely practical for 2-inch cold rolled steel, 2½ inch cast iron or a 4-inch armature when used with the proper feed. For still slower speeds use back gears 9 P 2064, on opposite page. Complete with fittings, ready to attach. Shipping weight, 22 pounds.</td>
</tr>
<tr>
<td>9 P 2061—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.</td>
</tr>
<tr>
<td>9 P 2067—Carriage Compound Rest. Fitted with adjusting gib, accurately calibrated 180-degree protractor, feed screw collar calibrated for .001-in. feed. Shipping weight, 10 lbs.</td>
</tr>
<tr>
<td>9 P 2068—Carriage Plain Rest. An economical unit for jobs not requiring swivel feature. Shipping weight, 5 pounds.</td>
</tr>
<tr>
<td>9 P 2069—Tool Post. Complete, for use with plain rest. Shipping weight, 1 pound.</td>
</tr>
<tr>
<td>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.</td>
</tr>
<tr>
<td>9 P 2066—Carriage Plain Rest. An economical unit for jobs not requiring swivel feature. Shipping weight, 5 pounds.</td>
</tr>
<tr>
<td>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 0.001-in. to 0.004-in. per revolution of spindle. Power feed produces much smoother cuts because the carriage advances in a regular amount for each revolution of the spindle. Reverse feed mechanism included. Easy to attach. Does not include threading equipment. Complete with necessary fittings for attaching to your CRAFTSMAN Universal Lathe. Shipping weight, 10 pounds 7 ounces.</td>
</tr>
</tbody>
</table>

Page 18
ROSE TOOLS, INC.

CRAFTSMAN Turning Chisels

Jack Shaft Stand
Use this handy accessory to get proper lathe speeds and extra cutting power for metal working. It is also used for speed variation on other machines. You must have the proper speed to get the best results from your tools. Belt holes are placed the same as those on motors, permitting use on motor bases of machines, etc. Complete with bronze bushed self-aligning bearings. Shpg. wt., each 7 lbs. 8 oz.
9 P 2384—State size.
With 3-inch 3-step pulley..... $12.65
With 4-inch 4-step pulley..... 2.75
With 5-inch 4-step pulley..... 2.85

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

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>For Lathe</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>P 2380</td>
<td>99 PM 2019 on P 16</td>
<td>$15.50</td>
</tr>
<tr>
<td>P 2381</td>
<td>99 PM 2027 on P 17</td>
<td>$29.50</td>
</tr>
<tr>
<td>P 2382</td>
<td>99 PM 2026 on P 18</td>
<td>$39.50</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>For Lathe</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>P 2383</td>
<td>99 PM 2019 on P 16</td>
<td>$15.50</td>
</tr>
<tr>
<td>P 2384</td>
<td>99 PM 2027 on P 17</td>
<td>$29.50</td>
</tr>
<tr>
<td>P 2385</td>
<td>99 PM 2026 on P 18</td>
<td>$39.50</td>
</tr>
</tbody>
</table>

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. 4-inch handles, beautifully finished and 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.

<table>
<thead>
<tr>
<th>Gouges</th>
<th>Round Nos.</th>
<th>Skew Chisel</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 P 2386</td>
<td>¼-inch wide</td>
<td>$59c</td>
</tr>
<tr>
<td>9 P 2387</td>
<td>½-inch wide</td>
<td>$59c</td>
</tr>
<tr>
<td>9 P 2388</td>
<td>½-inch wide</td>
<td>$59c</td>
</tr>
<tr>
<td>9 P 2389</td>
<td>¾-inch wide</td>
<td>$85c</td>
</tr>
<tr>
<td>9 P 2390</td>
<td>¾-inch wide</td>
<td>$59c</td>
</tr>
</tbody>
</table>

CRAFTSMAN Sharpening Stone
Vitrified silicon carbide. One side medium for fast cutting; other side fine for roughing. Size, 7½ x 1 inch. Shipping weight, 1 pound 8 ounces.

9 P 6440—Shpg. wt., 1 lb. 12 oz. $1.25

COMPANION Slip Stone
Gives extra keen edge to gouges and other round shaped tools. Medium-fine.

9 P 6454—Shpg. wt., 12 oz. $45c

Tool Rest

9 P 2391—Shpg. wt., 13 lbs. $2.95

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

9 P 2392—Shpg. wt., 8 oz. $29c

Handy Tool Clips
Your tools will remain bright and sharp, when they're securely placed in these handy tool clips. They'll be handled, too—right at your finger's tips when you want them, not on the floor or lost underneath a table or cabinet. The clips are made from the finest spring steel. And they're adjustable in grip tension to accommodate any type of tool you may have—from the smallest to the largest. Clips are mounted in groups of five on a nicely finished wood strip. Get several—a place for every tool—save your time and tools. Shpg. wt., 10 oz.

9 P 2385—5 mounted tool clips without chisels... $25c

A Precision Metal-Working, Screw-Cutting Lathe!

Thread Gears and Chart. With power feed assembly, opens up whole new field of thread cutting possibilities. For cutting all standard threads 4 to 8 threads per inch, (left or right) including pipe threads. Shipping weight, 5 pounds.

9 P 2396—Shpg. wt., 5 lbs. $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 2354—Shpg. wt., 16 lbs. $4.95

Thread Dial. Simplifies thread cutting by indicating when to engage carriage, prevents spoilage. Shipping weight, 8 ounces.

9 P 2392—Shpg. wt., 8 oz. $1.60

Back Gears. For attachment to special Timken bearing headstock lathe No. 99 PM 2035. With countershaft attachment, provides 16 speeds. Lowest speed, 32 R.P.M. Makes possible the greatest range and capacity of work for metal working lathe. Low speeds are essential for large work and heavy cuts. All necessary parts and fittings are supplied to fit the drilled and tapped holes of 99 PM 2035 lathe. Instructions furnished. Shipping weight, 14 pounds.

9 P 2358—Shpg. wt., 14 lbs. $11.95

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

Page 19
12-INCH SCREW CUTTING LATHES

- Guaranteed accurate to .001 inch.
- Heavily reinforced semi-steel bed with precision-ground ways.
- Magazine type semi-steel headstock with high speed line reamed ball-bearing bearings. Heavy-duty ball thrust bearing.
- Countershaft is integral part of the lathe, a complete self-contained unit including motor mounting.
- Back gears are 12-pitch 3/4-inch face special type giving plenty of power. 
- Threading gears cut all standard right and left hand threads from 4 to 80 per inch, including Vee pipe thread.

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 ensure utmost accuracy and satisfaction. Guaranteed accurate to .001 inch.

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

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

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

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

Universal Tool Post Grinder
Grinds valves and cutters at any angle. Also practices, bushings, reamers, valve stem bushings, valve stems, valve seats, valve seats, valve seat cutters. Undercuts mica, complete with motor, external and internal grinding wheels, quill for internal grinding, 5 mica undercutting saws and diamond wheel dresser. Shipping weight, 21 pounds.

99 PM 2065 36 in. 18 inches 230 lbs. $89.50
99 PM 2067 42 in. 24 inches 283 lbs. $95.00
99 PM 2069 48 in. 30 inches 248 lbs. $102.50
99 PM 2071 54 in. 36 inches 256 lbs. $110.00

9 P 2064 $1.60
9 P 2065 $2.75
9 P 2067 $3.50
9 P 2068 $2.75
9 P 2069 $3.25
9 P 2070 $9.50
9 P 2083 $4.35
SMOOTH, EVEN POWER—ACCURACY GUARANTEED

The time-worn reputation of CRAFTSMAN metal lathes has been earned 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 1/16 of an inch as we guarantee it. Complete with specially selected Timken tapered roller bearings, guards and counter-balance drive.


<table>
<thead>
<tr>
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<tbody>
<tr>
<td>99 PM 2073</td>
<td>36 in.</td>
<td>18 inches</td>
<td>250 lvs.</td>
<td>$112.00</td>
</tr>
<tr>
<td>99 PM 2076</td>
<td>42 in.</td>
<td>24 inches</td>
<td>360 lvs.</td>
<td>$129.00</td>
</tr>
<tr>
<td>99 PM 2077</td>
<td>48 in.</td>
<td>30 inches</td>
<td>370 lvs.</td>
<td>$139.00</td>
</tr>
</tbody>
</table>

HOLDING COLLET

For milling cutters. Furnished with 3 arbor, 1 taper shank, regular cutters, keyway cutters and 1 extra end mill. Holders and cutting tools are furnished with 3.5 in. end mill. Shipping wt. 3.3 lbs. 9 P 2985...

Set of 4 Collet Holding Tools for use with 1/4, 1/8, 1/16, and 1/32 in. end mills. Shipping wt. 3 lbs. 9 P 2985...

$2.60

RETURNING SWITCH

A newly designed switch, pipe quality, and copper, including a reversing switch. For use with 1/2, 3/4, and 1/4 in. end mills. Shipping wt. 3 lbs. 9 P 2983...

Chuck Arbor

For use with 1/2, 3/4, and 1/4 in. end mills. Shipping wt. 3 lbs. 9 P 2983...

$3.95

LATHE DOGS

Diameter: 3/8 in., 1/2 in., and 3/4 in. Shipping wt. 3 lbs. 9 P 2983...

$4.60
COMPANION FLEXIBLE SHAFT EQUIPMENT

- Soft steel grease-tight casing with solid brass ferrule at each end. Over-all length, 43 inches. Designed for flexibility and long life.
- Select high tensile steel wire core, wound in alternate layers to form strong, compact, yet flexible drive of many layers. Over-all length, 43 inches.
- Steel ends of core carefully machined and securely swaged on.
- Wide variety of accessories available for all kinds of work.
- Adapter provided to accommodate accessories having 1/4-inch 24-thread hole.
- Wide range of speeds for all kinds of work.
- Handpiece spindle runs on two sets of ball bearings for longest life.
- Every outfit rigidly inspected at the factory before shipment to insure perfect running of every moving part.
- Mounted on ball bearing caster base to provide utmost portability.

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. 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 skimmed... 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.

**99 P 2475**—Flexible Shaft Outfit shown above, with 7/8-ft. flexible shaft and accessories shown above, but without motor. Shipping weight, 40 pounds. $19.95

**99 PM 2476**—Flexible Shaft Outfit as above, complete with COMPANION 1/2-H.P. ball bearing motor for 110-120 volt, 60-cycle A.C. 1750 R.P.M. Shipping weight, 66 pounds. $29.45

EXTRA ATTACHMENTS MAY BE PURCHASED SEPARATELY

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<th>Item</th>
<th>Description</th>
<th>Shpg. Wt.</th>
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<tr>
<td>9 P 2489</td>
<td>Base with Casters</td>
<td>4 lbs. 8 oz.</td>
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<td>9 P 2490</td>
<td>Table for Portable Outfit</td>
<td>4 lbs. 11 oz.</td>
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<td>9 P 2491</td>
<td>Support for Jack Shaft</td>
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<td>9 P 2492</td>
<td>Jack Shaft</td>
<td>4 lbs. 8 oz.</td>
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<td>9 P 2500</td>
<td>Ball Bearing Handpiece</td>
<td>2 lbs. 14 oz.</td>
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<td>9 P 2501</td>
<td>Core, 43 inch</td>
<td>1 lb. 19 oz.</td>
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<td>9 P 2510</td>
<td>Grip for Shaft</td>
<td>1 lb. 19 oz.</td>
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<td>9 P 2517</td>
<td>Grinding Wheel Guard</td>
<td>1 lb. 6 oz.</td>
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<td>9 P 2718</td>
<td>Drill Chuck, 1/4-inch</td>
<td>5 oz.</td>
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<td>9 P 6484</td>
<td>Carbon Removing Brush</td>
<td>4 oz.</td>
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<td>9 P 2520</td>
<td>Sanding Drum with Belt and Arbor</td>
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<td>9 P 2521</td>
<td>Sanding Belts for Drum, 1 lb.</td>
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<td>Sander, 1 lb.</td>
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COMPANION DIRECT DRIVE FLEXIBLE SHAFT

**9 P 2630**—Here's an inexpensive flexible shaft for the craftsman who has his own motor with a 1/4-inch drive shaft. Motor coupling fits directly on motor shaft. Motor coupling is fitted with ball bearings. Included are 1/4-inch three-jaw chuck, chuck adapter and motor coupling, sanding disc wheel, package of assorted sanding discs, graphite lubricant, sheepskin polishing pad, 6-inch cloth buffer, 1/2-inch grinding wheel, flexible shaft casing and core, hand grip, ball bearing handpiece, and rubber pad. Length, over all, 50 in. To double the length an extra core No. 9 P 2510 and casing No. 9 P 2505 may be added. This handy outfit will more than pay for itself in the tool it saves you. Outfit does not include motor. Shipping weight, 8 pounds 12 ounces. $7.45

**9 P 2631**—Complete Outfit as illustrated. $7.45

**9 P 2632**—Outfit except accessories shown inside shaft. Shipping weight, 4 pounds 13 ounces. $5.45

**9 P 2645**—Ball Bearing Motor Coupling used in above outfit. For 1/4-inch motor shaft only. Shipping weight, 11 ounces. $1.25

Additional Accessories Listed in Tables Above

Page 22
WHAT YOU GET IN THE COMPLETE OUTFIT

Individual Items May Be Ordered Separately

9 P 2480—Industrial Flexible Shaft, Casing, Core, and Hand Piece. (No motor coupling.) Shpg. wt., 12 lbs. $38.50
9 P 2489—Base with Casters. Shpg. wt., 4 lbs. 8 oz. 1.39
9 P 2491—Table for motor. Shpg. wt., 5 lbs. 4 oz. 1.10
9 P 2495—Jack Shaft Support. Shpg. wt., 4 lbs. 8 oz. 1.00
9 P 2482—Ball Bearing, Jack Shaft for use with 9 P 2495 and 9 P 2606—1/2-H.P. Motor. Shpg. wt., 2 lbs. 12 oz. 9.50
9 P 2791—V-Base. 7/8 x 24 inches. Shpg. wt., 2 oz. 27c
9 P 2792—Cone Puck 1/4. 4-inch; 4-step. Shpg. wt., 1/2 oz. 12c

Each, 1 lb. 10 oz. (2 supports) Each. 55c

99 PM 2492—COMPLETE OUTFIT (Including all of above items) Shpg. wt., 60 lbs. **$78.50**

CRAFTSMAN Heavy Duty Industrial Shaft Outfit. By far the finest Sears has ever sold! Much bigger, tougher, heavier. Much stronger. Built for service on tough production jobs. We sincerely believe it's far superior to ANY outfit selling for half again as much!

The handpiece is much larger and heavier in construction. Special alloy steel throughout—all parts carefully ground and fitted. Scientifically designed to prevent entrance of grit or foreign matter to the bearings. Equipped with precision SKF ball bearings. The jack-shaft is built of special alloy steel and equipped with SKF precision ball bearings. The 6-fi. casing is built of an inner sleeve of tempered steel wire, overlaid with a layer of dead soft wire; this is covered with a braided bronze jacket which prevents stretching; then finally covered with a heavy layer of rubber which prevents any possible leakage of oil or grease. Core is 7/8-inch in diameter and 6 ft. long. Built of transversely wrapped layers of high carbon steel wire. Fittings are made of chrome-nickel steel. Speed range, 1500 to 6000 R.P.M. Equipped with 1/2-H.P., 110-120 volt A.C.; 3450 R.P.M. ball bearing, repulsion-induction motor.

99 PM 2492—Complete with all items listed above. Shpg. wt., 60 lbs. **$78.50**
99 PM 2481—Complete as above, but motorless. Shpg. wt., 28 lbs. **$9.50**
9 P 2489—Industrial Flexible Shaft Core only. Shpg. wt., 4 lbs. 4 oz. **9.25**
9 P 2487—Special Bargain OUTFIT. Industrial flexible shaft, casing, core handpiece and direct motor coupling (9 P 2486 described below). Supplied to fit 1/4-inch motor shaft. Shpg. weight, 1 lb. 8 oz. **$39.50**

Accessories for Heavy Duty Industrial Flexible Shaft

**$97.50** Complete

A Ball Bearing, Jack Shaft. Fits directly on motor shaft, with a 1/4-inch bore for 1/8-H.P. or larger motors. Shpg. wt., 3 lbs. 4 oz. **$16.95**
9 P 2445—Special Bargain OUTFIT. Shpg. wt., 3 lbs. 4 oz. **$16.95**

A Angle Head. Spins directly on the angle of a table or other work-piece. Shpg. wt., 1 lb. 1 oz. **$4.75**

A Grinding Wheel Guard. Fits directly to环绕 a grinding wheel and prevents injury from chips or dust. Shpg. wt., 3 lbs. 4 oz. **$16.95**

A Sanding and Abrading Disc. Suits all types of metal work. Shpg. wt., 3 lbs. 4 oz. **$6.50**

A Direct Motor Coupling. Precision SKF ball bearing. Supplied for 1/4-inch shaft. Also available for 1/4 or 1/2-inch bore from 9 P 2482. Shpg. wt., 1 lb. 8 oz. **$6.25**

A Highest Quality High Speed Shaft OUTFITS and ACCESSORIES

Grind Stones

For high speed grinding, including finish grinding, die work, etc. May be used with the high speed flexible shaft outside shown at right. Equipped with 3/8-inch shanks. Shipping weight, each, 3 oz. **$25.50** Complete

Carving Cutters

For high speed cutters, accurately made of finest quality tool steel. For use with the high speed flexible shaft at right for high speed production. Shipping weight, each, 2 ounces. **$25.50** Complete

Highest Quality High Speed Shaft OUTFITS

Handpiece fitted with two sets SKF ball bearings. Takes standard accessories. Powerful, 17,000 R.P.M., 110-volt Universal type A, 1/3-H.P. motor. 50-inch shaft fitted with steel supports at ends. For high speed carving, grinding, etc.

99 P 2693—Complete High Speed Shaft: core, casing, motor coupling, ball bearing, jack shaft, and motor. Shpg. wt., 12 lbs. **$55.90**
9 P 2694—High Speed Motor Coupling only. Shpg. wt., 4 lbs. 8 oz. **$15.90**
9 P 2689—High Speed Motor Coupling only. Shpg. wt., 1 lb. 8 oz. **$10.65**
9 P 2680—High Speed Motor Coupling only. Shpg. wt., 1 lb. 8 oz. **$4.25**

Rose Tools, Inc.

Industrial Flexible Shaft

FLOOR TYPE HEAVY DUTY Industrial Flexible Shaft

All the features—all the fine qualities—all the versatility rugged construction of the Heavy Duty Industrial Flexible Shaft described at left, but in a floor type model. Built to stand up under the toughest production jobs in large industrial shops.

This splendid outfit is ideal where there are frequent changes in the location of the job and where there is a wide range in the types of work to be done. The heavy cast-iron base is mounted on easy-rolling ball bearing casters. The tool tray is amply spaced for grinder and polishing wheels, etc.

Motor and jack-shaft are supported by heavy steel yoke which swivels and locks in any desired position instantly. Height is adjustable to suit work. Stand is made of telescoping steel tubes, making it possible to further extend the height of the shaft in such operations as polishing automobile tops, etc. Speed range, 1,000 to 6,000 R.P.M., equipped with 3,450 R.P.M., 1/2-H.P. 99 P 2680 ball bearing motor. (See page 43.)

99 PM 2479—Complete with motor. Shpg. wt., 13 lbs. **$11.95**
99 P 2478—Without motor. Shpg. wt., 11 lbs. **$7.60**
9 P 2685—SKF Ball Bearing Handpiece, Like Y 490, but better quality. For standard or high speed shafts. Shpg. wt., 1 lb. 8 oz. **$3.65**
ROSE TOOLS, INC.

COMPANION Magnetic JIG SAW
Ideal for Fast Fine Work
- Speed! 7200 strokes per minute. Length of stroke easily adjusted.
- Complete—no motor to buy. No rotating motor parts to get out of order.
- Plugs into any 110-volt, 60-cycle household A.C. socket.
- Very smooth cut—none sending necessary. 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 1¼-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 1/8-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 3/4 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 a motor. Just plug it in—that's all.

The high speed—short stroke, vibrating action of this COMPANION Jig Saw coupled with its freedom from belts makes this tool unusually safe, even for the youngest craftsmen. The low price makes it a great power tool value!

9 P 2399—Ships, wt... $6.95
9 P 2899—Package of 6 special blades for COMPANION Magnetic Jig Saw. Shipping weight, 1 ounce...

START A WORKSHOP! SAVE AT SEARS LOW PRICES

“JUNIOR” Electric Motor
A smooth-running motor for the “Junior” tools above. 110-volt, 60-cycle A.C., 500 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). With cord and plug. Shpg. wt., 7 lbs. 6 oz. $3.75

“JUNIOR” Lathe
Here's your chance to get a real woodworking lathe at a great saving. Lathe has a two-speed pulley, 3-inch swing, regular spur and cup center, and a 5-inch adjustable tool rest. Capacity, 12 inches between centers. A sturdy, rigidly constructed lathe with a machined bed. Shipping weight, 8 pounds. 9 P 2728...

“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 good job, quickly and easily. It's a great help in turning out good work rapidly and easily. Includes a 35½ x 5½-inch table, adjustable in height, a protective fence and miter gauge... a shaft extension with collars and nuts for accessories... and a 4-inch blade that cuts fast, smooth and clean. Shipping weight, 8 pounds. 9 P 2729...

“JUNIOR” Jig Saw
No workshop is complete without a jig saw. It's indispensable for pattern cutting—for intricate sawing of light wood stock—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 regular patterns—quickly and with remarkable smoothness. Worth much more than we ask. Shipping weight, 9 pounds...

“JUNIOR” Tool Light
The 1½-inch flexible neck lets you bring the light down to your work and turn it where you want it. New type adjustable clamp. An extra large reflector keeps the light out of your eyes—a real safety feature. Over-all length, 23 inches. Complete with push switch in socket, clamp, cord and plug. Tubed not included. Shpg. wt., 1 lb. 12 oz. 9 P 2264...

CRAFTSMAN Apron
Made from excellent quality heavy white canvas with high front to protect the shirt. Extra long, full 42 in., so as to come well below knees. Large, handy, strongly sewed pocket. 9 P 2950—Shipping weight, 9 ounces...

Cast Iron Glue Pot
With aluminum cap. 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, 3/4 pint. Has convenient handle. Shipping weight, 4 pounds 8 ounces. 9 P 2887...

Electric Glue Pot
The convenient way to heat your glue. Thermostat automatically controls heat. Element is completely embedded in asbestos. Polished aluminum with gray iron frame. One-piece cup with cord and plug. Listed by Underwriters. Stir wire included. For 60-cycle. 110-120 volt. Shpg. wt., 6 lbs. 8 oz. 9 P 2892...

COMPANION Tool Light
The 1½-inch flexible neck lets you bring the light down to your work just where you want it. New type adjustable clamp. An extra large reflector keeps the light out of your eyes—a real safety feature. Over-all length, 23 inches. Complete with push switch in socket, clamp, cord and plug. Tubed not included. Shpg. wt., 1 lb. 12 oz. 9 P 2264...

Wood Dowel Rod Assortment
Fourteen assorted sizes ranging from 1/8 to 1/4-inch in diameter. Length, 16 in. Very handy for model building and wood work. Exceptionally clean grain hard wood. Value, 40c. 9 P 2950—Shipping weight, 14 ounces...

START A WORKSHOP! SAVE AT SEARS LOW PRICES
... Built for Substantial Service ... Low in Cost!

- ½ inch capacity 3-jaw chuck.
- New design table with diagonal slots.
- Drills to center of 12-inch circle.
- Ball thrust-bearing absorbs spindle thrust.
- Auto-lubricating bronze spindle bearings.
- Quill is graduated full 3 inches in 1/8-inch divisions.
- Quill uses standard mortising attachments.
- Spindle provided with stop collar.
- "Feather-touch" clamp locks head to column.
- Extra sturdy base serves as auxiliary 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 1½-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. $14.50

99 PM 2373—Same as above but with COMPANION ½-H.P 110-volt, 60-cycle ball bearing motor. Shipping weight, 102 pounds. $24.00

99 PM 2369—Same as 99 PM 2378 above but fitted with 1½-in. capacity Jacobs' chuck. Without motor. Shipping weight, 60 pounds. $18.50

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

**SPECIFICATIONS**

Height, over all: 31 in.
Width, over all: 9 ½ in.
Depth with motor: 24 in.
Table to chuck jaws: 7 ¼ in.
Base to chuck jaws: 10 ¾ in.
Spindle travel: 3 in.
Column diameter: 1 ½ in.
Chuck capacity: ½ in.
Table travel: 7 ¼ in.
Table size: 7 ½ x 7 ½ in.
Drills to center of 12-in. circle.

**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—Cutoff Chuck for use with mortising bits. Shipping weight, 3 ounces.
  - 80 cents
- 9 P 2460—Bushing Chisel, Sizes, ¾ in., ¾ in., and 3 in. Shipping weight, 8 oz...
  - $1.45
- 9 P 2452—Mortising Bit, Sizes, ½ in., ½ in., ½ in. Shipping weight, 7 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. Guide is also handy for straight line routing. Shipping weight, 6 pounds 6 ounces.

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

**CRAFTSMAN Twist Drills**

Use carbon steel for slow speed drilling; high speed steel for electric drills and drill presses.

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- 9 P 2436—Shipping weight, 4 pounds...
  - $1.85
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.

Sears floating drive removes drill press vibration, which sometimes occurs at high speeds, by getting at the cause. One of the principal causes of this vibration has been the side-pull of the belt on the spindle. In Sears drive the pulley is mounted on a long steel sleeve which is in turn mounted on a double-row SKF ball bearing accurately fitted into the drill head...mounted independently of the spindle the pulley transmits no side-pull to it! This basic CRAFTSMAN improvement produces drill presses that stand out because of their smooth, efficient performance.

Widen the usefulness of your CRAFTSMAN Drill Press with the accessories below. You can actually produce more than 50 different shapes of moulding edges with Sears shaper cutters. Be sure you get a drill that will perform extra services, a drill that will turn out the professional type of work that's a joy to the true craftsman. Notice the fine 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, 14"x18" fully 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 drillpress. $7.95
- 9 P 2428 - Guard and guide only. Shipping weight, 4 pounds 12 ounces. $2.85
- 9 P 2455 - Spring clip only. Shipping weight, 3 lbs. 14 oz. $1.65

**Accessory Fash Cutters**
Adapter for 3/4-in. Shaper, Shipping weight is $1.25
Adapter for 1/2-in. Shaper, Shipping weight is $2.85

**Machine Stand**
Strong, solid all-steel stand for CRAFTSMAN Drill Press, Top 16x23 inches. 31 inches high. Tool shelf. Shipping weight, 39 pounds. $9 P 2748. Tool Light $5.65

**Finest Quality Tapered Spindles**
Permanently installed in drill by master mechanics to run true, dead 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) in threaded inside, its tapering恰到好处. Thumb screw (C) securely locks in position. Shipping weight of all items above is 6 ounces.

**Dovetailing Attachment**
With this attachment you can make perfect dovetail joints. Both members are cut at the same time. Attachment includes a steel comb, slotted to guide shanks of router cutting to a predetermined depth, end plates together with screen fittings for attaching the above guide or comb, clamps for holding work, and a 1/4-inch dovetail router. Wood glue is not supplied. 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 165180. Shipping weight, 4 lbs. 3 oz.

**Tool Light**
Especially for power tool use. Fits drill press. Throws light exactly where wanted—not in your eyes. 18" long. Shipping weight, 1 lb. 12 oz.

**Hold-Down Guide**
Indispensable in mortising as it prevents the wood from being lifted when chisel is raised. Adjustable for thick or thin material. Keeps the work lined up and mortises straight. Holds to regular drill press table. Easy to use. 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 2817, 99 PM 2817, or 99 PM 2817 on (See page 28). Shipping weight, 6 lbs. 6 oz. $1.90

**Hollow Chisel Mortising**
Mortising housing carries the hollow chisel. Mortising bit is carried in collet chuck and removable. Bit drills a round hole and chisel cuts off corners to make a square hole.
- 9 P 2416 - Mortising Chisel Housing. $1.50
- 9 P 2420 - Hollow Chisel for 99 PM 2817, .5" and 1/2" wide. Shipping weight, 3 pounds. $8.50
- 9 P 2422 - Mortising Bit for 99 PM 2407, .5". Shipping weight, 3 lbs. $4.90
- 9 P 2422 - Mortising Bit for 99 PM 2407, .5". Shipping weight, 3 lbs. $4.90

**ACCESSORIES FOR DOVETAILING AND MORTISING**

**Finest Quality Tapered Spindles**
- 9 P 2332 - Straight Face Cutter, Shipping weight is $1.25
- 9 P 2335 - Table and Rule Joint Cutter, Shipping weight is $1.25
- 9 P 2333 - Sash Cutter, Shipping weight is $1.25
- 9 P 2335 - Mortised Set, Shipping weight is $1.25
- 9 P 2369 - Guide, Shipping weight is $1.25
- 9 P 2366 - Mortising Guide, Shipping weight is $1.25
DRILL PRESS

Drill Press History

- The only Drill Press near this low price with both ball bearings and Jacobs' chuck—These are two important features.
- 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. six-splined spindle mounted in quill entirely independent of pulley mounting on two more sets of SKF ball bearings.
- Smooth, vibrationless performance—even at high speeds.
- Drills to center of a 12%-inch circle.
- Smooth, uniform feeding assured by heavy ground steel quill with integral accurately cut teeth. Feather touch quill lock is provided.
- New table with diagonal slots can be tilted to any angle.
- External depth gauge has knurled lock nuts and is graduated in 16ths of an inch. Depth gauge construction eliminates side-play in quill.
- Machine base serves as auxiliary table. Slotted for attachments.

SPECIFICATIONS

Over-all height: 36 inches.
Over-all width: 103/4 inches.
Over-all depth with motor: 24 inches.
Chuck: Jacobs' geared type. 1/4 to 3/8-in. capacity.
Maximum distance, table to chuck jaws: 17 inches.
Spindle travel: 3 in. Spindle has six-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 3/4 in.
Number of speeds: 9.
Speeds: 600, 760, 1000, 1300, 1800, 2400, 3500, 4000, and 5200 R.P.M.
Table size: 8 by 9 inches.

$27.95 Without Motor
$37.45 With Motor

The Craftsman is an outstanding example of Sears amazing progress in drill press performance. Here's a machine that is really five in one. You can easily convert this press into an efficient spindle shaper—use it for mortising, routing, sanding and dovetailing with equally fine results. As a shaper it will enable you to cut all kinds of mouldings in addition to cutters for your work. Hollow chisel mortising enables you to cut square holes. Craftsman requires but a minimum of time and effort. The same is true of dovetailed joints which can be easily cut with the proper attachments. Relief carving can be done on this drill. Inlay work can be handled with the proper cutters. We believe you will find it truly an "All Purpose" drill press.

From the tip of its spindle to the gracefully machined base it represents top-notch value. It is built throughout of the finest materials, machined with painstaking skill. The genuine Jacobs chuck supplied as standard equipment is the most accurate obtainable. This drill press is equipped with full-floating ball bearing spindle for smooth, quiet operation. Three heavy duty deep groove SKF ball bearings are used. The 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 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 P 2380—Craftsman Drill Press, less motor. Complete with 1/4 to 3/8-in. Jacobs' chuck and keyless "V" belt, and motor pulley. Shipping weight, 85 pounds $27.95
99 P 2386—Same as above but with 1/2-H.P. ball bearing double shaft motor No. 99 P 3067. Page 43. Shpg. wt. 112 lbs. $37.45

CRAFTSMAN Twist Drill Sets

Highest quality twist drills in handy loose box of 25 or 50 - speeds or Origi-ning—long lasting. Sizes in each set: 1/16, 1/32, 1/16, 1/8, 1/4, 5/32 and 3/16 inch. Use carbon steel drills for slow speed drilling; high speed drills should be used in the Craftsman drills and drill presses. Shipping weight, 6 oz. 9 P 6685—Set of 7 Carbon Steel Straight Shank Tapered Drills...75c
9 P 6686—Set of 7 High Speed Steel Twist Drills...1.75

COMPANION Drill Vise

Used to hold work on drill press table—gives greater convenience and accuracy. Particularly handy on small pieces. Oxidized, non-rusting finish. Accurately cut screw with knurled end for fast action and bar for locking. 2 3/4-in. wide jaws open 3 inches. Over-all length, 10 3/4 in. Comes with 2 extra jaws, one for round or irregular work, and swivel jaw for tapered pieces. Shipping wt., 4 lbs. 9 P 2436...$1.85

Multi-Speed Attachment

For drilling metal which requires low speeds or in routing which requires high speeds. (See chart at right.) Use 1/2-H.P. motor, 1750 R.P.M. For high speeds. 1/2-H.P. is adequate for regular and low speeds. U.S. Patent Number 207304. Shipping weight, 5 pounds. 9 P 2397—Slow speed attachment and 3 Vee belts, ready to use...$5.60

Sanding Drum

Use with either chuck 9 P 2450 below. Also may be used with flexible shaft. All drums are 1 inch high. State diameter wanted. 9 P 2439—Sanding Drum, each, 4 inches...39c
1/8-inch diameter...99c
3/8-inch diameter...99c
5/8-inch diameter...99c

Replacement Sanding Sleeves. Fine or course grit. Package of 6. State grit and diameter. 9 P 2442—Sanding Drum, each, 3 inches...49c
5/8-inch diameter...69c

notice speed range

The Craftsman Drill Press equipped with our patented multi-speed attachment at left will provide 30 different speeds ranging from 150 R.P.M. (half the speed of ordinary slow speed drills) to over 10,000 R.P.M. You'll have the right speed for any job. And that means better results!
CRAFTSMAN HEAVY
WITH SEARS EXCLUSIVE

- Spindle drive pulley is mounted on a steel sleeve which rotates on two SKF deep groove ball bearings mounted in head, eliminating all transverse belt pull on spindle.
- 3/4-inch special steel spindle mounted in quill on two more sets precision type SKF deep row heavy duty ball bearings.
- Perfectly balanced automobile type splined drive spindle transmits a smooth even flow of power.

WHAT IS "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 turning force to the spindle. The spindle itself is also mounted on two sets of heavy duty deep-row ball bearings within the quill as shown in the small illustration at left. This "Floating Drive" construction is a basic improvement that produces in CRAFTSMAN Heavy Duty Drill Presses the finest, smoothest, most accurate operation it is possible to obtain. Be sure the drill press you buy has it!

SPECIFICATIONS: BENCH MODEL

See opposite page for other details of construction.

Drills to center of 15-inch circle.
Chucks: 0-1/4-in. Jacobs.
Table size: 10 x 10 in.
Number of SKF heavy duty ball bearings: 4.
Number of speeds: 99, 600, 1,000, 1,300, 1,800, 2,400, 3,300, 4,000 and 5,200 R.P.M.
Over-all height: 41 inches.


99 PM 2407—CRAFTSMAN Heavy Duty Bench Model Drill Press with motor pulley, belt and 0 to 1/4-in. Jacobs chuck. New type quill return, etc. Shp. wt., 115 lbs. $35.90

99 PM 2388—CRAFTSMAN Heavy Duty Bench Model Drill Press, with motor pulley, belt and 1/2-H.P. 110-120-volt, 60-cycle A.C. motor. Shipping weight, 149 pounds. $45.40

Hollow Chisel Mortising
For fine cabinet work and joinery. Cut accurate mortises quickly with perfect square ends, or drill square holes.
9 P 2461—Mortising chisel mounting for drill press. Shipping weight, 3 oz. $1.50
9 P 2422—Hollow chisel for use with 1/2 drill attachment. Highest quality. Sizes 1/4, 1/8, and 1/16 in. Specify size. Shipping wt., 4 oz. $1.45
9 P 6458—Stone for sharpening above chisels. Illustrated on Page 23. Shipping weight, 5 oz. $1.45
9 P 2422—Mortising bit for use with above attachments. Highest quality. Sizes 1/4, 1/8, and 1/16 in. Specify size. Shipping 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. Attachment consists of a comb, slotted to guide shank of router cutting to a predetermined depth, and plates together with screw fittings for attaching the above guide or comb and clamps for holding work, and a 1/4-in. dovetail router are included. Wood parts not included. Patent number 195,101.
9 P 2462—Dovetail attachment. Set complete with router and instructions. Shipping weight, 4 lbs. 6 oz. $1.98

Shaping Attachment
You can convert your CRAFTSMAN Heavy Duty Drill Press into a spindle shaper by inserting 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 25.
9 P 2430—Extension table for spindle shaping. Wooden guide and spring clips. Shipping wt., 17 lbs. $7.95
9 P 2435—Shaping adapters for 1/2-in. bore cutters. Shipping wt., 7 oz. 98s.

CRAFTSMAN Drill Press Belt Tension Release
This handy attachment fits on any CRAFTSMAN drill press and replaces the regular motor base. A pivot is provided so that it is possible to swing the entire motor in towards the head, thus releasing the tension on the belt. This is done by throwing a single lever. In this way it is possible to have perfect tension on your belt at all times and yet quickly release this tension in order to change speeds. A very practical idea which will more than pay for itself in convenience. No credit for return of old motor base. This belt release requires a special length of V belt which is listed below. Shp. wt., 12 lbs.
9 P 2366—Belt release for 99 PM 2380, 99 PM 2407 and 99 PM 2382 CRAFTSMAN Drill Press, less belt. $1.25
9 P 2757—1/4-in. belt for use of belt release with any of above mentioned drill presses. Shipping weight, 7 ounces.
DUTY DRILL PRESSES

"FLOATING DRIVE" FEATURE

- New ratchet adjustment allows you to adjust quill for light or heavy work.
- Genuine 0 to 3/4-inch Jacobs' key chuck.
- Drills to center of 15-inch circle.
- 9 speeds from 600 to 5200 R.P.M.
- More with multi-speed attachment.
- Heavy steel tube column, 2 3/4-inch diameter
- Graduated depth gauge is milled flat and prevents rotational play in quill.
- Table may be tilted to any desired angle.
- Improved table with diagonal slots to simplify adjusting attachments. Table in table is also slotted for securing attachments, fixtures, jigs, etc.

On these two pages you will find Sears finest drill presses—marvels of precision construction and smooth, vibrationless operation. Many improvements and refinements of design have been added in these new 1939 models.

Newly designed ratchet adjustment makes it easy to regulate quill return in just a few seconds for light or heavy work. Spring tension can be varied instantly by turning the spring box, thus tightening the spring. Spring box is held by a ratchet device. A release button is provided to release the ratchet and reduce the spring tension. The new tempered steel spring is made almost twice as large as ordinary springs used for this type of drill press in order to assure long life.

The table is newly designed with diagonal slots to simplify adjusting attachments. Drive spindles are splined like the drive shaft of your automobile. Accurate, easy-to-read depth gauge is graduated for entire 4-inch feed range in 1/4-inch divisions. The depth gauge is also provided with knurled stop nuts. Efficient quill lock holds quill securely for routing and carving operations. Carefully machined table may be tilted to any angle.

For the shop having a production problem that only a really high grade drill press will solve...we recommend these CRAFTSMAN Heavy Duty Drill Presses. Use 3/4-H.P., 1750 R.P.M. motor for ordinary work and 5/6-H.P., 1750 R.P.M. motor for production work.

99 PM 2392—CRAFTSMAN Heavy Duty Floor Type Drill Press, with motor pulley, belt and 0 to 3/4-inch Jacobs' chuck. With standard pulley guard as shown on page 2407 on opposite page. Without motor. Shipping weight, 150 pounds. $39.95

99 PM 2393—Same as 99 PM 2392 above but with 5607 COMPANION 5/8-H.P., ball bearing 110-120 volt, 60-cycle A.C. motor. (See page 43). Shipping weight, 180 pounds. $49.45

99 PM 2399—Same as 99 PM 2392 but equipped with new streamlined belt and pulley guard. Without motor. Shipped, wt., 159 lbs. $37.70

99 PM 2398—Same as 99 PM 2392 but equipped with new streamlined belt and pulley guard and COMPANION 5/8-H.P. ball bearing 110-120 volt, 60-cycle A.C. motor. Shipping weight, 198 pounds. $57.95

99 PM 2429—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. Required by many industrial safety codes. Fits floor model, offers a high degree of safety. Shipping weight, 9 pounds. $9.90

6-Splined Drive Spindles

Automobiles have long been driven with splined drive shafts because they transmit more powerful force from engine to rear axle in a compact and efficient manner. The same reasoning applies to our spindles for our heavy-duty drill press. While more costly than the key and keyway type of drive the splined type is preferred because it is stronger in which more than repair costs can occur. Splined and keyway types of drive are compared on page 29.

Simplified Tapered Spindles

These accurately made spindles are permanently installed in the drill by master machinists. With CRAFTSMAN construction there is no need to remove the spindles when changing chucks. This means greater accuracy and uniformity, and prevents the wear out of the spindle that results when a lock nut is used to hold the spindle in place. The tapered spindles are hard chrome plated and will stand up under the heaviest, most rigid conditions. They are designed to give the utmost accuracy and strength and to take the most accurate methods and at the best materials by experienced workmen.

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 but not ground finish like table. All other specifications are identical with number 99 PM 2407 bench type drill press on opposite page.

$39.95

Less Motor and Guard

$49.45

With Motor

$57.95

CRAFTSMAN MULTI-SPEED ATTACHMENT

Ordinary DRILLS

1000 RPM
6-Speeds 500-1000 R.P.M.
4-Speeds 1000-2000 R.P.M.
3-Speeds 2000-4000 R.P.M.
2-Speeds 4000-10000 R.P.M.
1-Speeds 10000-10000 R.P.M.

Proper Drill Speed Available for Every Kind of Work

Ordinary drill presses have from 4 to 7 speeds ranging from 1000 to 10000 R.P.M. The CRAFTSMAN drill press has 20 different speeds ranging from 200 to 10000 R.P.M. This wide range of speeds will accommodate all specialty work, carving, shaping, etc.

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 6000 to 10000 R.P.M. are desirable for routing, carving, shaping, etc.

The chart at left shows how the CRAFTSMAN multi-speed attachment (Patent number 2023708) enables you to get the most out of your drill.

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 10000 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.

$5.75

Page 29

ROSE TOOLS, INC.
ROSE TOOLS, INC.

CRAFTSMAN CARVER OPENS AN ENTIRELY NEW FIELD FOR THE CRAFTSMAN

- Makes fine reproductions in wood of photographs, drawings or models.
- Powerful Universal Ball Bearing motor for 110-120 volt A.C. or D.C. (A.C. 25 to 60 cycles). Needs no oil; permanently lubricated at factory.
- Convenient toggle switch.
- Air blast keeps work clean.
- Mechanism perfectly balanced for easy, accurate operation.

Never before have craftsmen been able to buy a tool like this sensational new automatic carver at anywhere near this price! Now you can do wood carving easier, faster, BETTER! It’s impossible to realize what a marvel this machine is until you use it yourself!

Plaques ... panels ... book ends ... furniture-carvings ... mouldings ... drawings or photographs of ornamental designs ... even photographs of your family or notable characters ... all can be easily and accurately reproduced in wood with this efficient device.

HERE’S THE WAY YOU DO IT: Start with a model—a plaque for example—under the tracer pin on the right hand arm. As you trace the outlines and details of the plaque with the tracer pin, the cutter on the left hand arm follows the same pattern exactly. The arms move together sideways—back and forth—up and down—or in any intermediate motion at any angle. The design on the plaque is first roughed down and then finished up with very fine cutters to bring out all the fine details.

The machine is perfectly balanced to allow it to follow every detail of the model easily and accurately. Will handle wood up to 198 1/2 inches at one setting of the model. Will handle any length if not more than 6 inches wide. 5-ply hardwood table is 23 X 11 1/4 in. Over-all height, 14 1/2 inches. Complete with 6-ft. rubber covered cord and plug; all necessary clamps, screws, etc.; 2 chuck wrenches; chuck; 3 different size cutters; 2 tracer pins; a model and a piece of wood for carving. Patents applied for. Shpg. wt., 55 lbs.

99 P 2566—CRAFTSMAN Automatic Carver

CRAFTSMAN Wood Carving Tools

A set of five finely finished wood carving tools with 3/4-inch handles, 2 1/4-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. Only Sears tremendous buying power and direct-to-you selling methods make this low price possible.

Complete set of 5 tools attractively boxed; includes one each of the following: 3/4-inch bent gouge, 3/8-inch bent chisel, 3/8-inch U tool, 3/8-inch straight chisel and a 3/8-inch veining tool.

Shipping weight, 13 ounces.

9 P 2573 3/4-inch cutter. Shpg. wt., 3 oz.
9 P 2578—1/4-inch cutter. Shpg. wt., 2 oz.
9 P 2568—1/16-inch cutter. Shpg. wt., 2 oz.

$2.10

Set of 5

Page 30
CRAFTSMAN

ROTARY ELECTRIC TOOL

Here's one of the most sensational values Sears have EVER offered in the power tool field! It took closest cooperation with the manufacturers to do it... It took our tremendous buying power as the largest distributor of power tools in the world... It took drastic slashing of profits... And now here it is—one of the most useful tools of this type ever designed, at a truly amazing price.

Notice that it has 50% more power than comparable units on the market! Notice how much easier it is to handle because of the smaller diameter in front of the motor. Notice the convenient toggle switch... the improved fan cooling system... the easily replaceable brushes... the long-life bearings... the EXTRA strength.

There are literally hundreds of different applications for this efficient tool... in every shop... in every tool room... in every line of industry. Use it for drilling, grinding, carving, polishing, engraving, sawing, sanding or routing. Use it on wood, metal, glass, or anything that can be machined. Use it for the hard-to-get-at places no other tool can reach. Tool and die makers and all metal working plants will find it indispensable for grinding and polishing every type of die. It sharpens knives, scissors, woodworking tools, lawn mowers, skates, and hundreds of other articles. It grinds all kinds of metal parts; is useful in external and internal grinding of gears. Carves all kinds of wood, plastics, etc.; is an ideal tool for pattern makers and wood carvers. May even be used to clean and polish jewelry and silverware, or to cut and engrave glass of all kinds.

Length, over all, including collet chuck, 7 inches. Extreme diameter, 2 inches. Complete with all the accessories shown at bottom of page, and in addition includes chuck wrench, collet chuck, socket wrench, emery wheel dresser, set of replacement brushes, one threaded mandrel, cord and plug, and heavy wood box. Shipping weight, 2 lbs. 10 oz.

9 P 2651—Complete set with accessories. $14.50
9 P 2650—Rotary tool only. Shpg. wt. 1 lb. 8 oz. 9.95

Ideal for pattern makers and wood carvers. Carves wood, plastics, etc.

ROSE TOOLS, INC.
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.

$14.50

CRAFTSMAN BELT AND DISC SANDER

Will Save You Work and Do a Better Job

- Belt sander mounts horizontally, vertically or at any angle. Ideal for finishing flat work, edges, etc.
- Disc sander table tilts to any angle up to 45° enabling you to sand mitered edges accurately.
- Disc sander and table easily removed to clear large work on belt.
- Extra long auto-lubricating bronze bearings for smooth operation.
- Quick acting adjustments to make belt run true between drums.
- Disk sander finishes curved work, end grains, etc. which cannot be reached by belt sander alone.
- Complete with 8-in. abrasive disc, 4-in. sanding belt and instructions.

Abrasives Discs and Belts

- Sanding Discs: Package of 6 assorted fine, medium and coarse. Shipping weight 1 lb. 10 oz.
- 9 P 2216 = Garnet abrasive, for use on wood.
- 9 P 2217 = Aluminum oxide abrasive, for use on metal.
- Sanding Belts: For 99 P 2213 Sander, 4 in. x 36 in. 39c
- 9 P 2218 = Garnet abrasive, for use on wood. Each... 29c
- 9 P 2219 = Garnet abrasive, for use on metal. Each... 29c

CRAFTSMAN HEAVY DUTY BELT AND DISC SANDER

REG. U. S. PAT. OFF

SKF Ball Bearings

- Four highest quality, dust-sealed SKF ball bearings.
- 10-in. balanced sanding disc. 12500, adjustable disc sanding table. Tilts 90° to 45°. Quadrant indicates angle.
- Distance between drum centers is 18 inches. Sanding belt is 4 inches wide.
- 12x45-in. sanding table under belt. 8x6-in. table above belt tilts 90° to 45°. Has indicator and stop.
- Either upper or lower surface of sanding belt may be used—lower surface for stroke sanding operated with pressure block.
- Three speeds for cutting different materials. Belt speed: 1050, 1750, and 2500 feet per minute.
- Single control regulates belt tension.

Here's efficiency for you!

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

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 sander.

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.

$28.95

Abrasives Discs

- Package of 6 assorted fine, medium and coarse sanding discs. For use on wood or metal. Shipping weight 9 oz.
- 9 P 2200 = Garnet of 6... 59c

Abrasives Belts

- Fine, medium, or coarse. State grit wanted. For use on wood or metal. Shipping weight 4 oz.
- 9 P 2211 = Each... 49c

Easy or Difficult Work—on all types of metal or wood. R.P.M. Shpg. wt., 42 lbs.

99 PM 2213...

$14.50

ROSE TOOLS, INC.
NEW COMPANION JIG SAW
Designed for Smooth, Faster Cutting

- 15-in. depth of throat. Cuts to center of 30-in. circle. Cuts up to 1\(\frac{1}{4}\)-in. thickness.
- Large table, 10x10 inches, tilts on double support. Locks rigidly at any desired angle with convenient handle.
- Perfectly balanced action reduces vibration; permits finer, faster cutting.
- Dustproof, oil tight crankcase for longer life—better service.
- Attractive streamlined frame, ruggedly built. Full length base support.
- 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 wood. Will cut light metal.

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—aer 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 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 light metals easily. 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 smoother, more accurately. Notice the shipping weight of this saw—it's built heavily for long life and freedom from vibration. Easily handles stock up to 1\(\frac{1}{4}\) inches thick. Has full 15-inch throat. Fitted with large 10x10-inch tilting table, adjustable from 90 to 45 degrees. Equipped with hold-down for work and guide for blade. There's nothing skimmed—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 lbs.

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

- 9-inch square gray iron table tilts to 45 degrees on double supports.
- Finely balanced mechanism operates in an oil-tight crankcase similar to that in your automobile.
- Sawdust blower. Bridge truss type frame.
- 11-inch throat. Cuts stock up to 1 inch thick.

It's built right—not built to meet a price but built to incorporate the important features of Sears larger jig saws. Check these quality features before you buy: Large table, 929 inches, is made of gray iron, ground to a perfect finish. 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 2255. .................. $11.95

99 P 2259. .................. $6.75

Page 33
CRAFTSMAN CONVERTIBLE HEAVY DUTY

**High Speed Router Attachment**

$28.40 Complete

Price cut 15%. Usual price elsewhere $34.50.

The famous router attachment for the CRAFTSMAN 24-inch jig saw is now offered at a new low price. This attachment is a complete unit in itself—a vertically mounted ball bearing motor which operates at 15,000 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 the home craftsman 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 any high speed routing operation which you cannot handle with this router head.

Complete assembly consists of 15,000 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 for 5/8, 3/8 and 1/4-inch shank cutters. 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. Shipping weight, 24 pounds.


For routing and carving bits or other accessories, see Page 37. Use these router bits up through the 1/4-inch size.

**Machine Parts for Jig Saw Use**

A special lower jaw (listed on Page 35) can be supplied for using these parts on the CRAFTSMAN Jig Saw. Eliminate tedious hand filing. These parts have 1/4-inch shanks. Shpg. wt., each, 1 oz.

9 P 2737—Round File .......... 55c
9 P 2738—Square File .......... 55c
9 P 2740—Pillar File .......... 55c
9 P 2741—Square File .......... 55c

**Carving Cutters for Use With High Speed Router Attachment**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Thickness</th>
<th>Width</th>
</tr>
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<tbody>
<tr>
<td>9 P 2692</td>
<td>008 inches</td>
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<tr>
<td>9 P 2693</td>
<td>010 inches</td>
<td>0.45 inches</td>
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<tr>
<td>9 P 2695</td>
<td>012 inches</td>
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<tr>
<td>9 P 2704</td>
<td>020 inches</td>
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<tr>
<td>9 P 2705</td>
<td>020 inches</td>
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<tr>
<td>9 P 2706</td>
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<tr>
<td>9 P 2707</td>
<td>020 inches</td>
<td>0.70 inches</td>
</tr>
</tbody>
</table>


**FEATURES CRAFTSMAN 24-Inch Jig Saw**

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

**EASY TERMS!**

On Orders of $10.00 or more see Imida Front Cover

**A Perfect Combination**

Here's the way to set up your CRAFTSMAN 24-inch jig saw. Get the complete outfit at one time and be fully equipped for any job! The jig saw complete with router head is mounted on a rugged machine stand. A 1/2-H.P. motor is provided to drive the jig saw mechanism. Every part of the combination is described in detail in this catalog. Jig saw and router head are on these pages, motor on Page 431 and the machine stand on Page 40. Outfit includes 99 PM 2276 jig saw, 9 P 2260 router, 99 P 5507 motor and 99 P 2745 machine stand. Shipping weight, 192 pounds.

99 PM 2339—Complete Outfit .......... $68.50
Our engineers and designers co-operated closely with the manufacturers in order to produce the finest jig saw Sears have ever sold. And here it is—a marvel of smoothness in operation; stronger and sturdier in construction; and far more versatile than any jig saw we've ever seen. It has features of other jig saws selling for much more. But even more, it has features you'll find in NO other jig saw on the market!

Note the 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. Pivotable 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, when equipped with special jaw listed below. Saws non-ferrous metals easily and accurately. Mechanically it is as close to perfection as possible. Give it your hardest jobs! You'll find we haven't told you half the story of its quality and performance! With 4-step drive pulley, 4-step motor pulley and belt.

SPECIFICATIONS

**SPEEDS:** Operates at 4 speeds—600, 900, 1200 and 1300 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 30 degrees on the other side. Has a 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-lubricating 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-lubricating bronze bearings. Oil reservoirs are in direct contact with bronze bearings, 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 jaw 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

You'll want this handy set for your CRAFTSMAN 24-inch Jig Saw. Accurately made and carefully finished—fit perfectly. The table extensions increase the horizontal size to 18 x 35 inches, 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, 14 x 4 inches; two side extensions, each 18 x 34 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 a far more useful and versatile tool. Shipping weight, 14 pounds.

9 P 2278

Page 35
COMPANION UTILITY DRILL

a General Purpose Tool

- Takes drills up to 3/4-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 first tool for the home shop. Equipped with 3-jaw chuck, capacity up to 3/4-inch drills. Has well made double reduction gear train. Complete with rubber covered cord and plug. Shp. wt. 6 lbs. 6 oz. 9 P 2575 — $9.75

COMPANION "PENCIL" DRILL

a Close Quarter Tool

Genuine Jacob's chuck takes straight shank drills up to 3/4-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 will give you years of trouble free service. For use on 110-120 volt A.C. or D.C. Full load wattage of 125. Over-all length, 12 1/4 inches. Complete with handy toggle switch and 8-foot rubber covered cord and plug. 9 P 2576 — Shipping wt. 3 lbs. 1 oz. $19.50

CRAFTSMAN HEAVY DUTY BALL BEARING DRILL

Equipped with genuine Jacob's chuck.
- Dynamically balanced Westinghouse heavy duty universal motor.
- Both armature and chuck spindles run on oversized ball bearings, sealed in oil.
- Heavy double pole trigger switch.
- Spindles, gears and pinions are chrome nickel steel, precision cut.

Built with 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. Precision ball bearing equipped. Fitted with genuine Jacob's key chuck, and 3-conductor rubber covered cord with plug. Over-all length, 13 1/4 inches. Catalog No. Size Drill No Load Speed Shp. Wt. Price
99 P 2589 5/8-inch 200 R.P.M. 10 lbs $34.95
99 P 2581 5/8-inch 150 R.P.M. 10 lbs $30.95
99 P 2582 5/8-inch 100 R.P.M. 10 lbs $31.95

CIRCULAR HOLE SAW


Size in. 3/8 5/8 3/4 1 1 1 1

Shp. wt. 8 oz. 9 oz. 14 oz. 18 oz. 19 oz. 22 oz. 24 oz. 26 oz.

9 P 2598 $2.25 $2.25 $2.25 $2.25 $2.25 $2.25 $2.25 $2.25

CIRCULAR HOLE SAW

Saw Blade Only for Circular Hole Saw

State in. 3/8 5/8 3/4 1 5/16 1 1/2 1 3/4 2

Shp. wt. 5 oz. 6 oz. 6 oz. 6 oz. 6 oz. 6 oz. 6 oz. 6 oz.

9 P 2597 $9.95 $9.95 $9.95 $9.95 $9.95 $9.95 $9.95 $9.95

CRAFTSMAN Ball Bearing PRODUCTION DRILL

Equipped with genuine Jacob's key chuck.
- Westinghouse universal ball bearing motor.
- Alloy steel spindle, runs on ball bearings sealed in oil.
- Armature shaft runs on oil sealed ball bearings.
- High torque supplied by heat treated triple reduction gears.
- Heavy double pole switch has continuous action catch.

Built for heaviest production work 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 chromo nickel steel triple reduction gears. 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, 16-foot heavy rubber covered 3-conductor cord and plug.

Catalog No. Size Drill No Load Speed Shp. Wt. Price
99 P 2855 3/8-inch 100 R.P.M. 26 lbs $68.95
99 P 2866 5/8-inch 150 R.P.M. 26 lbs $68.95
99 P 2867 3/4-inch 150 R.P.M. 27 lbs $72.95

Page 36 - ROSE TOOLS, INC.
GUARANTEED AMERICA'S FINEST QUALITY MACHINIST VISES

Only the finest materials and expert workmanship are used in the manufacture of CRAFTSMAN machinist vises. Built for heavy-duty work, they are heat treated and hardened. Extra heavy, extra strong - reinforced at all points of strain.

- Replaceable knurled tool steel jaws, heat treated and hardened.
- Every part carefully machined and fitted.
- Cold rolled steel screw, head and handle.

CRAFTSMAN swivel base vises have all the merit of design found in the solid base type plus the utility of a vise which may be turned to any horizontal position and firmly locked. Grease from swivel base.

Complete with bolts. Shipped freight or express. Shipping weight same as actual weight. 1/4-inch jaw size and larger shipped prepaid from factory in Southern Illinois. Smaller sizes carried in stock.

Catalog No. Jaws Open to Weight Price
99 PM 5160 3 inches 4 inches 22 lbs. $6.95
99 PM 5161 3 1/2 inches 5 inches 31 lbs. 7.90
99 PM 5162 4 inches 6 inches 41 lbs. 8.90
99 PM 5163 4 1/2 inches 6 1/2 inches 52 lbs. 10.85
99 PM 5164 5 inches 7 inches 68 lbs. 14.00
99 PM 5165 5 1/2 inches 7 1/2 inches 81 lbs. 21.00
99 PM 5166 6 inches 10 inches 130 lbs. 37.50
99 PM 5167 7 inches 12 inches 226 lbs. 58.50
99 PM 5168 8 inches 15 1/2 inches 299 lbs. 62.50

CRAFTSMAN Speed Indicator
- Shows every revolution. Metal cover, fully shielded, is set so as to zero at will.
- 1/2 inch dial. 7 oz. $1.15

CRAFTSMAN Screw Pitch Gauge
- For determining the pitch of screw threads, either internal or external. Each lead numbered with its correct pitch. 22 pitches for V-threads. 9 to 40. 1-inch leads, accurately machined.
- 9 P 4012-Sch. wt., 2 oz. .98c

CRAFTSMAN Feeler Gauges
- 9 P 4055 - 9 tapered leaves, .001 to .015. Makes possible any thickness from .001 to .015 by half thousandths. Length, 3 1/2 inches. Shpg. wt., 1 oz. .75c
- 9 P 4057 - 25 leaves, .0015 to .025. Makes possible any thickness from .0015 to .025. Length, 3 7/8 inches. Shpg. wt., 4 oz. 1.98c

Hemorrhoid Calipers
- Used for laying out work and locating centers. Tempered, tool steel legs. Sizes, 3 1/2 and 6 inches.
- 9 P 4010 - Shpg. wt., 4 oz. .75c

Indicating Calipers
- For measuring thicknesses or shoulders, and otherwise. Lengths and diameters up to 2 inches. Accurately graduated in sixths.
- 9 P 4028 - Shpg. wt., 4 oz. 95c

Bargain Micrometer
- Very accurate. 0 to 1 inch. Graduated in 1/1000. Made in U. S. A. Shipping weight, 6 ounces.
- 9 P 4071 - Shpg. wt., 9 oz. .89c

CRAFTSMAN Micrometer
- 9 P 4009 - 0 to 1 inch. Shipping weight, 8 ounces.
- 9 P 4071 - 1 to 2 inch. Shpg. wt., 15 1/2 lb. 5.90

Calipers and Dividers
- 9 P 4056 - Outside Calipers, 6 inches. .75c
- 9 P 4056 - Inside Calipers, 6 inches. .85c
- 9 P 4018 - 4 inches. .75c
- 9 P 4017 - 4 inches. .85c

Surface Gauge
- 5 inch spindle, equipped with a 3-inch scriber and a hardened steel base, 3 1/2 x 1 3/4 x 3/4 inch. Base front to back so spindle can be turned down to allow use of tool as depth gauge. Scriber head has a spring control which holds both scriber and head at any point.
- 9 P 4050 - Shpg. wt., 1 lb. .285

CRAFTSMAN Steel Rule
- Graduated in .100, .050, .025 and .010. Made of hardened, polished, ground and polished. Blade 12 inches. Shpg. wt., 1 oz. 75c

Narrow Hook Rule
- For taking measurements over rounded corners, etc., or for setting dividers or inside calipers. Narrow tempered rule and small hook.
- 9 P 4036 - Shpg. wt., 4 oz. .9c

CRAFTSMAN Toolmakers' Square
- Steel blade ground and polished. Graduated in 1/64ths and 1/32nds. Blade 4 inches. Shpg. wt., 1 oz. 75c
- 9 P 4041 - Shpg. wt., 1 oz. 95c

Rule Depth Gauge
- Has milled and ground base 3 inches long and narrow tempered steel blade. Blade graduated full length.
- 9 P 4044 - Shpg. wt., 3 oz. $1.65

Inside-Outside Caliper
- Graduated in 1/1000 of an inch. Made in U. S. A. Center heel lever protractor and square head with level and scratch awl.
- 9 P 4037 - Shpg. wt., 1 lb. 4 oz. $5.25

DUPLEX Combination Set
- With scriber and level. Shpg. wt., 0.1 lb. .75c
- 9 P 3954 - 1 1/8 inch blade. .95c

CRAFTSMAN. Same as 9 P 3954. Set, less protractor.
- 9 P 4037 - Shpg. wt., 1 lb. 4 oz. .95c

CRAFTSMAN. Same as 9 P 3954. Set, less protractor.
- 9 P 4037 - Shpg. wt., 1 lb. 4 oz. .95c

CRAFTSMAN inside Micrometer
- Range, 2 to 12 1/2 inches. Made of high quality stainless steel.
- 9 P 4037 - Shpg. wt., 1 lb. 2 oz. .775

Micrometer Depth Gauges
- Made of four graduated round steel blades, fitted with tapered points carefully tempered, ground polished. Base 1 1/8 inch. Shpg. wt., 1 oz. .35c
- 9 P 4014 - Shpg. wt., 4 oz. .39c

Double Scribers
- Made of five grade round knurled steel with tapered points carefully tempered, ground polished. Base 1 1/8 inch. Shpg. wt., 1 oz. .35c
- 9 P 4012 - Shpg. wt., 4 oz. .29c

Pocket Scriber
- Body is made of knurled hollow steel tubing. Fitted with a chuck which holds the tempered point. Point can be removed and replaced. Made of stainless steel, hardened at both ends.
- 9 P 4053 - Shpg. wt., 1 oz. .45c

CRAFTSMAN Screwdriver
- Size: 1 1/4 inch. 4 oz. .39c
- 1 1/4 inch. 4 oz. .39c
- 1 1/4 inch. 4 oz. .39c
- 1 1/4 inch. 4 oz. .39c
- 1 1/4 inch. 4 oz. .39c
- 1 1/4 inch. 4 oz. .39c
- 1 1/4 inch. 4 oz. .39c
- 1 1/4 inch. 4 oz. .39c
- 1 1/4 inch. 4 oz. .39c

Steel Tape
- CRAFTSMAN Flex-Clamp Type. No serif blade. Blade may be held rigid or may be held flexible. 4 feet, 6 inches, 10 feet, 12 feet. Shpg. wt., 1 oz. .69c
- 9 P 3915 - 1 oz. .69c

Page 37
**COMPANION POLISHING SET**

Handiest of all small tools for home and shop. With this general purpose 7-piece outfit you can quickly and efficiently sharpen tools, remove rust or paint, grind and polish metals—and maybe also be used for drilling. The head is 6 3/4 inches high, has 8 1/4-inch spindle and is equipped with machined steel collars and oil cups. This set includes the polishing head, 1 1/4-inch capacity 3-jaw chuck, 4 1/4-inch, medium fine vitrified grinding wheel, two 2-inch wire wheels, one coarse and one fine, a 6-inch cloth buffing wheel and cake of buffing compound.

- **$2.29**
- **1 1/4-inch Chuck only**
- **Shipping weight, 3 lbs. 13 oz.**
- **Shipping weight, 5 lbs., 5 oz.**
- **$2.59**

**COMPANION POLISHING HEADS**

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. 8 1/2-inch steel spindle. Machined steel collars; 1 1/4-inch V-type pulley for either 9 1/2 or 1 1/2-inch belt. Can be used for grinding, drilling small holes, scraping, buffing and polishing. Accessories needed for above operations, see Pages 55 and 59. Over-all height, 7 1/4 inches. Blue enameled finish. Shipping weight, 3 pounds 12 ounces.

- **$1.10**
- **$2.29**

**COMPANION 4-INCH GRINDER**

It takes sharp tools to do good work! Keep yours keen edged with this inexpensive two-wheeled 4-inch grinder! Can easily be driven from below or behind. Close grained gray iron frame. Latest streamlined design keeps the drive pulley enclosed for utmost safety. 7 1/4-inch steel spindle turned down to 1 1/4-inch at ends to fit all standard wheels and accessories. 2-inch diameter V-type pulley for either 9 1/2 or 1 1/2-inch belt. Two 2 1/4-inch grinding wheels, one fine grain and the other medium. Pressed steel collars. Oil cups. Tool rests are adjustable front and back. Blue enameled finish. Shipping weight, 5 pounds 2 ounces.

- **$1.89**
- **$2.99**

**COMPANION 6-INCH De Luxe GRINDER**

This precision built heavy duty bench grinder has the capacity and gives the perfect performance of much higher priced machines. Plenty of clearance to handle large work. Full 6 1/4 inches between the wheels. Close grained gray iron frame, well-ribbed for added strength. 8 1/4-inch spindle is 1 1/4-inch in diameter, turned down to 3/4-inch at ends to fit standard wheels and accessories. Heavy, extra-long bronze bearings. Adjustable gray iron wheel guards. Equipped with sturdy adjustable tool rests. Streamlined hooded frame covers two-step V drive pulley. Two high quality 6 1/2-inch fully vitrified grinding wheels, one medium coarse, the other one medium fine. Oil cups. Grinder may easily be driven from below or behind. Attractive blue enameled finish. Shipping weight, 15 pounds.

- **$4.95**
- **$7.45**

**CRAFTSMAN Heavy Duty Ball Bearing GRINDER**

You can't beat a ball bearing grinder for perfect performance. Highest quality materials and workmanship throughout. 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 and 5 inches between centers. Perfectly machined 1 1/4 X 1 1/4-inch spindle is designed to accommodate the thrust which heavy grinding imposes upon it and is turned down 1 3/4-inch at ends. Streamlined hooded frame. Two-step drive pulley permits adjustment of speed to the material being worked. Sturdy adjustable tool rests. Strong gray iron wheel guards. CRAFTSMAN fully vitrified 6 1/2-inch grinding wheels, one medium coarse and one medium fine. Carefully machined steel collars insure grinding wheels running straight and true. May be driven from below or behind. Shipping weight, 18 pounds.

- **$9.28**

**COMPANION 10-INCH WET GRINDER COMPLETE WITH JACKSHAFT AND BELT**

An ideal grinder for the home workshop, farm or factory. Heavy duty cast iron frame. The finest type of grinder to keep your tools in perfect condition. Sharpens all edge tools or knives without danger of drawing the temper. Equipped with highest grade natural granite stone, measuring 10 inches in diameter with 1 3/4-inch face. Perfectly balanced, runs smooth and easy. 3-inch adjustable tool rest. Stone rotates in bath of water so that the surface of the stone is always wet. Handy plug in base to drain water. Equipped with splash guard for your protection. Built-in jack shaft for reducing speed of your motor down to proper grinding speed. Long life bronze bearings. Attaches to any bench or table. Attractively finished in gray enamel. Compare competitive prices on a quality grinder of this kind and you will agree that this is a real buy. Make Sears your shopping headquarters and you'll be money ahead. Complete with 6-inch V drive pulley, jack shaft and V belt as illustrated. Shipping weight, 34 pounds.

- **$7.45**

**Page 38**

ROSE TOOLS, INC.
COMPANION ¼-H. P. GRINDER

ROSE TOOLS, INC. ($14.50)

A record value! Where but at Sears could you buy a ¼-H.P. Grinder equipped with New Departure precision ball bearings at this price? Actually designed, smooth running, high-quality grinder—with plenty of power! Two 6⅛-inch fully vitrified grinding wheels cut fast and clean. Heavy glass shields with chrome plated frames protect the operator from particles of flying grit. 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. Tool rests are adjustable for clearance with wheel. The heavily built guards are removable for polishing and buffing operations. Handy built-in toggle switch allows you to start and stop grinder without pulling out the plug. Equipped with soft rubber mountings. Sturdy ¼-H.P. motor turns 3450 R.P.M. at full load. 3600 R.P.M. no load. For 110-volt 60-cycle A.C. 6-foot rubber covered cord and plug. Shipping weight, 41 lbs.

99 P 2616 ... $14.50

CRAFTSMAN ½-H. P. GRINDER

ROSE TOOLS, INC. ($23.95)

Extra power! Extra size! Expertly designed, accurately made to give smooth vibrationless action and long life. No shop should be without one. New type soft rubber mountings and new design collar ensure freedom from vibration. Ideal for grinding tool bits and most types of general purpose grinding. 13 inches between the wheels. Two 7⅜-inch, high quality, vitrified grinding wheels—one coarse; one fine. Adjustable glass shields with chrome plated frames. 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 wheels. Removable and adjustable wheel guards. Rotor revolves on fully enclosed New Departure ball bearings protected from abrasive dust. Powerful ½-H.P. motor. Turns 3450 R.P.M. at full load (3600 R.P.M. at no load). For 110-volt, 60-cycle A.C. Built-in starting switch. 6-foot rubber covered cord and plug. Shipping weight, 52 pounds.

99 P 2617 ... $23.95

CRAFTSMAN HEAVY DUTY ½-H. P. BENCH GRINDER

ROSE TOOLS, INC. ($32.50)


7⅛-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 almost any grinding or sharpening job—and do it right! Extra power in the sturdy ½-H.P. motor to handle the hard jobs. Carefully balanced grinding wheels insure quiet, efficient operation. Heavy base for stability. Large collars give wheels perfect alignment. New type soft rubber mountings. For sturdy heavy gauge cabinet for this grinder, see Page 40.) 6-foot cord and plug. Finest quality and construction throughout! And priced amazingly low! Shipping weight, 60 lbs.

99 P 2609 ... $32.50

CRAFTSMAN Grinding Wheels


Steel Wire Scratch Wheels

Excellent for cleaning castings, buffing tires, etc. Carefully made, long lasting. 4-inch size has ½-inch arbor hole; 6-inch size has ¾-inch arbor hole. State diameter of wheel and hole size. Shipping weight, 4-inch size, 5 oz.; 6-inch, 11 oz.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Thickness</th>
<th>Hole Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-inch</td>
<td>½-inch</td>
<td>⅛-inch</td>
</tr>
<tr>
<td>6-inch</td>
<td>⅜-inch</td>
<td>⅝-inch</td>
</tr>
<tr>
<td>7-inch</td>
<td>⅝-inch</td>
<td>1-inch</td>
</tr>
<tr>
<td>1-inch</td>
<td>1-inch</td>
<td>1-inch</td>
</tr>
</tbody>
</table>

99 P 6480 - 4-inch Coarse: 35¢
99 P 6482 - 4-inch Fine: 45¢
99 P 6484 - 6-inch Coarse: 45¢
99 P 6486 - 6-inch Fine: 55¢

BUFFING COMPOUND

BUFFING WHEELS

First quality material throughout. 30 thicknesses of bleached muslin. ½-inch concentric sewing. Expertly trimmed and balanced. ½-inch center hole. Specify diameter.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Weight</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-inch</td>
<td>12c</td>
<td></td>
</tr>
<tr>
<td>6-inch</td>
<td>15c</td>
<td></td>
</tr>
</tbody>
</table>

99 P 2876 ... 15c

SPONGE, wt., 5 oz.

BUFFING WHEELS

Used on buffing wheels to produce lustrous satin finish on metal work. May also be used for natural wood finish. Also excellent for polishing catalin and other plastics.

99 P 2609 - 6-inch: Shipping weight, 3 oz. Each: 15c
99 P 6484 - 6-inch: Shipping weight, 5 oz. Each: 29c

Page 39
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 1 1/2 in. thick. Bench has a handy drawer 20 3/4 x 17 1/2 in., 5 1/2 in. deep. A large-capacity woodworking vise, complete with screw, 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. 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 in. x 6 ft., height, 32 in.; weight, 134 lbs. 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.

$9.95

99 PM 2721—Shipping weight, 135 lbs. ... $9.95

Wood Machine Stand

A bargain at Sears low price! Thousands of customers, schools, woodworking, cabinet, and pattern shops will take advantage of Sears big value! Extra heavy, rigid wood machine stand, constructed to resist vibration. Selected long grain Douglas Fir. Every piece of lumber is kiln dried, accurately milled, and fitted. Width, 19 inches; length, 23 inches; height, 24 inches. Top is 1 1/4 inches thick. Legs are 2 1/4 inches square. Apron and shelf are cut from 5 1/4 inch stock. Built-in lower shelf to hold motor or tools. Packed flat for shipping. Very easy to assemble. Holes drilled for bolts at important points. Bolts and nails are provided. Complete instructions furnished for assembling. An exception-fully worthwhile “buy” for the craftsman who wants a good low priced machine stand. Shipping weight, 47 pounds.

COMPANION Machine Stand

$3.50

99 P 2749...

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 5 and grinder 99 P 2609 on Page 9, but many power tools can be used on it with equal ease and efficiency. There’s a large, sturdy shelf inside. Your best tools can be kept in this cabinet in perfect safety. Just the place for precision tools. Equipped with a secure lock and two keys. Top measures 16 x 32 inches; stands 31 inches high. Solidly braced and rigid through- out. 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. Note our low price. It’s easily a $15.00 value. Shipping weight, 62 pounds.

99 PM 2718...

$9.95

Steel Work Bench Legs

Build your own work bench. Use these need legs. Legs have bracket for making lower shelf. Work bench type is used in making a regular width work bench, the lathe type is used for making a lathe bench. Height of work bench type, 12 3/4 in.; width, 20 in. Height of lathe type, 32 in.; width, 10 1/4 in. Set includes two pair. Use 1/4 or 2-inch boards for top. Shpg. wt., Nat., 32 lbs.

COMPANION Metal Joints

99 P 2752—Work Bench Legs...

$3.75

99 P 2753—Lathe Bench Legs...

$3.75

99 P 2896—Joints for 1 1/2 in. lumber...

$4.85

99 P 2897—Joints for 2 1/4 in. lumber...

$1.59

Workshop Manuals

A valuable set of books—packed with important workshop data ... replete with photographs and pen and ink illustrations. Metal Lathe Manual has 234 pages. Woodworking books have 75 pages. Shipping weight, set, 1 lb.; each woodworking book, 7 ozs. Metal Lathe Manual, 1 pound.

P 2919—Set of 4 Woodworking books...

$1.39

P 2920...The Lathe...

P 2921...The Drill Press...

P 2922...The Band Saw and Jig Saws...

P 2923...The Bench Saw, Jig & Scroll...

P 2926—Metal Lathe Manual...

$0.95

Easy-to-Use Blueprints

Clear, easy to read. Give all data necessary (materials needed, sketch of finished job, details of joints, directions for finishing, etc.).


P 2900... Each...

19c
COMPANY VULCANIZED CORD BELTS

1. Heavy cords at pitch line.
2. Tough cord wrapper.

COMPANY vulcanized cord belts are carefully made—excellent quality throughout—amazingly low in price! They are long lasting, cheap, hard wearing, resist slipping and stretching, and transmit power with little friction loss. Heavy duty vulcanized cord wrapper for greater strength. The flexible inner cushion of tough rubber is reinforced at the pitch line by strong cords to insure longer life and greater service. Property molded, and uniform sections accurately molded.

4. Special cushioning insures flexibility.

rubber is reinforced at the pitch line by strong cords to ensure longer life and greater service. Property molded, and uniform cross section, they run true and efficiently. Length shown is distance around outside of belt. Check your belt before use to get correct length belt. Use a tape measure.

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. Two set screws in every pulley.

### Scientifically Designed Cone Pulleys

Perfectly balanced at all speeds, will give long, smooth running service. Made of highest quality alloy slugs. Best belt groove construction insures great pulling power and longer belt life. Grooves accommodate 5/8 and 7/8-inch belts. Be sure to state size of bore wanted.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Diam.</th>
<th>Bore Size</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>P 2759</td>
<td>2 in.</td>
<td>5/8 in.</td>
<td>20</td>
</tr>
<tr>
<td>P 2760</td>
<td>2 1/2 in.</td>
<td>7/8 in.</td>
<td>20</td>
</tr>
<tr>
<td>P 2761</td>
<td>2 1/4 in.</td>
<td>1 1/4 in.</td>
<td>20</td>
</tr>
</tbody>
</table>

### High Quality V Belt Pulleys


<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Diam.</th>
<th>Bore Size</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>P 2792</td>
<td>2 in.</td>
<td>5/8 in.</td>
<td>10</td>
</tr>
<tr>
<td>P 2793</td>
<td>2 1/2 in.</td>
<td>7/8 in.</td>
<td>10</td>
</tr>
</tbody>
</table>

### Heavy Duty Steel V Pulleys

Built expressly for production work. Massive pressed steel construction with steel or machine mild steel bolts. Greater rigidity and ruggedness supplied by the smoothly rolled edges on belt grooves. True running. Strongly welded construction. Strongly built pulleys constructed of the finest material. The highest grade production pulleys you can buy! Fit "W" belts 5/8 and 7/8-inch wide. Keyways are provided in all pulleys with 5/8 and 7/8-inch bore. All pulleys have a set screw. Be sure to state size of bore wanted.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Diam.</th>
<th>Bore Size</th>
<th>Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>P 2800</td>
<td>1 1/4 in.</td>
<td>5/8 in.</td>
<td>8 oz.</td>
</tr>
<tr>
<td>P 2801</td>
<td>1 1/2 in.</td>
<td>5/8 in.</td>
<td>10 oz.</td>
</tr>
</tbody>
</table>

### Hollow Head Set Screws


<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Diam.</th>
<th>Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>P 2813</td>
<td>5/16 in.</td>
<td>0.5 oz.</td>
</tr>
</tbody>
</table>

### Leather "V" Belt

Here's just the thing for those places where you need a belt of an odd length. Always handy for rapid replacement. If you have to remove ball bearings to replace a belt, can cut to any length you want—and have a belt that fits RIGHT—gives you maximum power transmission! Made of tough oak leather, two plies cemented together and strongly sewn down the center. Covered with every length. Choice of two widths. State width and length. Shipping weight, 1 oz.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Width</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>P 2777</td>
<td>1/2 in.</td>
<td>1 ft.</td>
</tr>
<tr>
<td>P 2778</td>
<td>3/4 in.</td>
<td>1 1/2 ft.</td>
</tr>
</tbody>
</table>

### Line Shaft, Hangers and Accessories

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

### Hard Fiber Pulleys

Highest quality. Made with accurate bore. Faces well ground smooth, won't slip. The finest material.

### Die Cast Pulleys

For use on flat belts. Strongly and accurately made. Have nearly twice the tensile strength of cast iron. Give excellent service. Pitted with hardened steel acme. Accurate bores fit shaft perfectly. Properly crowned so that belts run true and last longer. Smoothly balanced to run smoothly without vibration.

### 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 1750 R.P.M.
We’ve tested and compared these CRAFTSMAN Heavy Duty Motors in EVERY way, and believe you will agree the strongest, most rugged, longest-lived motors you can buy. Built by manufacturers with a world-wide reputation for quality. They easily start the heaviest loads on cream separators, refrigerators, air compressors, water pumps, etc. Used in large shops and factories all over America for steady production work. Efficient and economical in current consumption. Rotors are in perfect balance, insuring smooth, quiet operation. At full rated load, temperature will not rise more than 40 degrees centigrade.

Operating speed, 1750 R.P.M.

Before ordering motors of 1 H.P. or larger, be sure to check with your power company to see if you will require a single phase or three-phase motor, and to make certain your line is heavy enough to carry the motor you want.

CRAFTSMAN HEAVY DUTY BALL BEARING MOTOR

In this motor you get every fine quality of the motors described above and at left 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, ¾-inch diameter, enables you to drive two tools alternately from the same motor. Single phase induction type, made for 110-220 volt, 60-cycle A.C. ½ H.P. 1750 R.P.M. The finest motor you can select for power tools.

99 PM 5619—Shipping weight, 68 pounds $27.95

Motor Base Adapter

Used for adapting motors to machines not equipped with standard motor mounting. Heavy steel plate with series of slats makes it easy to connect new motor to pumps, washing machines, power tools and other machines with odd size motor mountings. Fits most motors up to ¾ H.P.

9 P 5593—Shpg. wt. 1 lb. 8 oz. 45c

Deluxe Floating Motor Rail

A new type of floating rail designed for jobs where all vibration must be eliminated. Designed to fill the vacuum left by regular floating of clips in the same as regular floating of clips. This rail has rubber clips at both ends of rail. New type rubber cushioned front rail absorbs all vibration. This rail has rubber collet at both ends of rail. New style right angle clips are used in normal or right angle position. Rear rail and pivot support may be used to support rear end of motor. Pivot is equipped with rubber ball that rests in socket. Designed to fit, mostly all fractional horse power motors. Shipping weight, 2 lbs.

9 P 2331A—Complete Set 90c

9 P 2329—Right Angle Clips, Particularly handy because they may be used at right angle or 90° position. In this way they can handle odd drives on drill presses, drives at odd angles, etc. Shipping weight, 10 oz. 29c

9 P 2330—Rear Rail and Pivot support with socket only. Shpg. wt. 1 lb. 29c

Page 42
CRAFTSMAN CAPACITOR MOTORS

You Can’t Burn Them Out
- Guaranteed 3 years against defects in material and workmanship.
- Over-load protector cuts current when windings get too hot.
- Can be reset when motor cools.
- Use much less starting current than ordinary split phase motors.
- Handy built-in reversing toggle switch.
- Built-in start-stop toggle switch.
- Double drive shaft for greater convenience.
- New Departure PRECISION 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. Slightly better starting effort than split phase motors. Ideal for power tools and most uses except where large starting effort is required. For 110-120-volt, 60-cycle A.C. Operating speed, 1750 R.P.M. (except 99 P 5585) 1/2-inch drive shaft. Complete with rubber covered cord and plug.

99 P 5585—1/2-H.P. Shpg. wt., 32 lbs. $11.95
99 P 5560—1/4-H.P. Shpg. wt., 37 lbs. 14.50
99 P 5587—1/4-H.P. For high speed power tools such as drills, shapers, etc. 3450 R.P.M. Shipping weight, 36 lbs. $16.50

CRAFTSMAN SPLIT PHASE MOTORS

Our Finest Split Phase Motor
- Guaranteed 2 years against defects in workmanship and materials.
- Runs on grease-sealed 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 casings and bearing housings. Fully balanced—built to the highest standards. Heavy over-load capacity to take emergency loads for short periods. Carefully selected New Departure ball bearings require lubrication only every months of operation. Ball bearing construction permits you to use this motor in vertical or any other position. Ball bearings are necessary for motors used with the shaft in a vertical position and also on direct drive drill presses, shapers, etc. Recommended for shop or power tools that don’t need the high starting torque of the 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. 1/4-inch drive shaft. With switch, rubber covered cord, and plug. Shipping weight, 29 pounds.
99 P 5507—1/2-H.P. $19.95
99 P 5507—1/4-H.P. $16.95
99 P 5560—1/4-H.P. $19.95

What Type Motor You Should Buy
- To get the most out of a motor, it is important that you select the right type for the job.
- The principal difference in single phase motors is in the way they start. For hand starting jobs like pumps, cream separators, compressors, etc., a repulsion-induction motor must be used. This type will start a load of 3 or 4 times its rated horse power.
- For jobs where the starting effort is not so high, (washing machines, power tools, etc.) you can use either a split phase or capacitor motor. The capacitor motor has the advantage of taking only about half as much current in starting as the split phase type, and starts more easily. This low starting current permits smaller fuses and cuts down any tendency towards flickering of the lights when motor starts.
- On large motors check your power company to make sure that your line is heavy enough to carry the motor you want.

CRAFTSMAN 1/2 H.P. CAPACITOR MOTOR WITH REMOTE CONTROL SWITCH

Here’s a new idea in CRAFTSMAN motors. Particularly handy for power tools but has a wide range of other applications. Motor is controlled by a built-in remote-control stop-reverse switch. This switch is mounted in a box and is connected to motor by 30 inches of heavy rubber covered cord. Put the motor out of the way behind or below the machine. Mount the switch at the front of the machine with the rest of your controls—and start, stop, or reverse the motor with a flip of your finger. Far more convenient—and far safer because your control is away from the driving belt and pulley. Shafts are 1/4 inch in diameter.

Here’s a new idea in CRAFTSMAN motors. Particularly handy for power tools but has a wide range of other applications. Motor is controlled by a built-in remote-control stop-reverse switch. This switch is mounted in a box and is connected to motor by 30 inches of heavy rubber covered cord. Put the motor out of the way behind or below the machine. Mount the switch at the front of the machine with the rest of your controls—and start, stop, or reverse the motor with a flip of your finger. Far more convenient—and far safer because your control is away from the driving belt and pulley. Shafts are 1/4 inch in diameter.


CRAFTSMAN SPLIT PHASE MOTORS

Our Finest Split Phase Motor
- Guaranteed 2 years against defects in workmanship and materials.
- Runs on grease-sealed New Departure PRECISION ball bearings.
- Handy built-in starting switch.
- Double drive shaft. Easily reversed.

High Speed Ball Bearing Motors

These husky high speed motors are packed with power. Guaranteed 3 years against defects in material and workmanship. Fitted with the finest quality S.K.F. ball bearings. Large cooling ducts, frame casings and bearing housings. No matter what horse power you select, you’ll have a thoroughly dependable high speed motor at low cost—giving you plenty of performance in speed, efficiency and economy. Forced draft cooling—lubricate only twice a year. Recommended for shapers, bench saws, lathes, or other uses where a motor speed of 3450 R.P.M. is wanted. The 1/4-H.P. and 1/2-H.P. sizes have built-in starting switch and rubber covered cord. The 1/2-H.P. size has a circuit breaker, single shaft and heavy rubber covered cord. All are 3450 R.P.M. speed. For 110-volt, 60-cycle A.C.

99 P 5608—1/4-H.P. Shpg. wt., 6 lbs. 1/4-inch double shaft. $19.95
99 P 5609—1/2-H.P. Shpg. wt., 12 lbs. 1/4-inch single shaft. $32.50
99 P 5610—1/2-H.P. Shpg. wt., 25 lbs. 1/4-inch single shaft. $46.50
COMMANDER 1/4-H.P. PAINT SPRAYER

- Finest piston-type compressor for longest life and most satisfactory service. 2 1/2-cubic-foot size.
- 1/4-H.P., 1750 R.P.M. heavy duty motor.
- Pistol equipped with two grooves and four rings to keep air absolutely free of oil.
- Mounted on rugged truck—easy to move around.
- Pressure type gun with two nozzles for round or fan spray.

Only at Sears can you buy to fine a piston type sprayer at this price! Compare it with those selling for up to $80.00. Saves time! Saves money! Tests have shown it actually works seven times faster than brushing!
Sprays everything—lacquers, enamels, varnishes, disinfectants, insecticides, water colors, dyes, cold water paints and other fluids. Compressor is full 2 1/2-cubic-foot size. Delivers 1 1/4 cubic feet of air per minute at 35 pounds pressure. Maximum pressure about 45 pounds per square inch. Normal working pressure, about 35 pounds. Internal mix pressure feed spray gun. Gun is blower type, allowing a continuous flow of air through nozzle, thus preventing paint from clogging nozzle. Complete with motor, compressor, air chamber, pressure type gun with two tips and two air caps, 1-quart aluminum paint cup, 15 feet of 1/4-inch high pressure hose, V belt drive, caster mounted steel base, air gauge, safety valve, cord and plug. Base is 8 x 16 inches. Height, about 13 3/4 inches. Operates on 110-120 volt 60-cycle A.C. 99 PM 5637—Complete with motor. Shpg. wt., 57 lbs. $27.95
99 PM 5575—Complete outfit, without motor. Shipping weight, 28 pounds. 21.50

COMMANDER 1/3-H.P. PAINT SPRAYER

- Finest piston-type compressor for longest life and most satisfactory service. 3 1/2-cubic-foot capacity.
- 1/3-H.P., 1750 R.P.M. motor equipped with starting switch.
- Heavy duty wick-oiled compressor supplies clean air—absolutely free of oil.
- Mounted on rugged truck—easy to move around.
- Pressure type gun with two nozzles for round or fan spray.

Bigger! Heavier! More powerful! And with extra capacity! Compare it with sprayers selling for up to $60.00. Will actually pay for itself within a few years in the time and labor it saves.
Made to give years and years of satisfaction service. Sprays everything—lacquers, enamels, varnishes, disinfectants, insecticides, water colors, dyes, cold water paints and other fluids. Full 3 1/2-cubic foot compressor. Oiless bronze crankshaft bearings and cast bronze connecting rod. Fan type flywheel circulates air around compressor to keep it cool. Mounted as a unit on a heavy steel base. Equipped with casters. Maximum pressure, about 50 pounds per square inch. Normal working pressure, about 25 to 50 pounds. Gun is internal mix blower type, allowing a continuous flow of air through the nozzle. Motor is full 1/3-H.P., has toggle switch for starting. Outfit includes motor, compressor, air chamber, gun complete with 1-quart aluminum paint cup, 1/4-in. high pressure hose, V-belt drive, caster-mounted base, air gauge, safety valve, starting switch on motor, cord and plug. Base, 7 3/4 x 30 inches; height over all, 13 3/4 inches. Operates on 110-120 volt, 60-cycle A.C. 99 PM 5576—Complete as illustrated. Shpg. wt., 68 lbs. $38.50

COMMANDER DELUXE 1/4-H.P. PAINT SPRAYER

All the features—all the fine quality—all the smooth, efficient operation of the COMMANDER 1/4-H.P. paint sprayer described above at right! But even more, this sprayer is built with the motor, compressor and other parts mounted conveniently on an oversize pressure tank, 18 inches in diameter and 18 inches long. This means more efficient operation because pressure tank absorbs slight pulsations from compressor and gives a very even pressure.

Finest, heavy duty, wick-oiled type compressor always supplies clean air—absolutely free of oil. The large tank is made of heavy gauge steel. Its large size means a large reservoir of air in reserve to insure smoother operation of gun in spraying than is usually possible. Safety valve prevents pressure becoming too high; gauge indicates pressure at all times. Includes 1/4-H.P. 1750 R.P.M. motor, compressor, oversize tank, 1-quart white aluminum paint cup, pressure-type gun with two tips and two air caps, 15 feet of 1/4-inch high pressure hose, V-belt drive, pressure gauge, pressure relief valve, starting switch on motor, cord and plug. Operates on 110-120 volt, 60-cycle A.C. Shipping weight, 75 pounds. 99 PM 5577—Complete as illustrated. $44.50

COMMANDER 1/3-H.P. PAINT SPRAYER

By far our finest sprayer—and no wonder! Has extra quality—extra strength—and extra capacity! The powerful twin-cylinder, air cooled piston compressor has 3 cu. ft. capacity. The new heavy-duty, non-blender, production type gun with dual valve construction will work three times as fast as ordinary guns and give better results. Enables you to use the full capacity of the big twin cylinder compressor to its best advantage. Complete with 1/3-H.P. condenser type motor, twin cylinder compressor, production type gun, caster base, 1/4-in. two-ply high-pressure hose, 1-quart aluminum paint cup, two tips, two air caps, V-belt drive, pressure gauge, pressure relief valve, starting switch on motor, cord and plug. Rated displacement of compressor is 5 cubic feet per minute. Operates on 110-120 volt, 60-cycle A.C. 99 PM 5597—Complete. Shpg. wt., 125 lbs. $75.00

COMMANDER Gasoline Powered Sprayer. Similar to above sprayer, but gasoline type. The air-cooled Briggs & Stratton motor is the finest money can buy. Easily started by stepping on foot pedal—no kick-back. 99 PM 5598—Complete. Shpg. wt., 145 lbs. $97.50

Page 44
NEW "KLEEN-AIR" SPRAYER

NEW! STREAMLINED BEAUTY! Sear exclusive design ball bearing compressor gives maximum power and efficiency. Greatest improvement in years—both compressor and motor bearings are permanently sealed in oil at the factory—NEVER NEED TO BE OILED AGAIN. Guarantees oil-free air. Inflates auto tires. Can be used as a vacuum pump.

Newest Diaphragm Compressor. Diaphragms last for years for home use—many months in daily professional work, are replaced in 3 minutes and sprayer is good as new. No other working parts to wear out.

Compressor guaranteed to furnish 1/4 cubic feet of free air per minute and a working pressure over 30 pounds per square inch.

Three-point floating mounting—for quiet operation.

Adjustable, new "filter-in-handle" Kleen Air pressure-type gun.

Sprays anything from house paint to lacquer up to 1200 square feet per hour. Outfits costing twice as much do no more. Equipped with air chamber, intake filter, safety valve and carrying handle, mounted on 6x15-inch steel base. Heavy duty 14-H.P. motor with toggle starting switch, 10-ft. cord and plug, V-vent drive. Equipped with 15 ft. of high grade 1/4-in. air hose. Operates from belt driven gasoline or any 1750 R.P.M. 1/16-inch shaft motor. Complete outfit sold on Easy Terms, $3.00 down. See inside front cover.


30 P 3232—Outfit less motor. Shpg. wt., 22 lbs. 19.50

30 P 3231—Outfit less motor, hose and gun. Shpg. wt., 19 lbs. 12.60

30 P 3239—Extra diaphragm. Shipping weight, 2 ounces. 25c

V-TYPE TWIN "KLEEN-AIR"

New V-Type Twin does any size job. Has twice the capacity of streamlined "Kleen-Air," at left and will spray 75% to 100% faster. Developed especially for big work.

Double Diaphragm Compressor Unit. Actually furnishes by test over 5 cubic feet of "oil-free air" per minute and a working pressure of over 40 pounds.

Double Capacity. Sprays any coating; from thinnest lacquer to regular house paint as it comes in the can up to 2000 square feet per hour. Inflates tires, can be used as vacuum pump.

Equals sprayers selling for twice this price by others.

Furnished with exclusive design "Kleen-Air" spray gun with moisture filter in the handle of the gun where it is most efficient. Furnishes absolutely clean air—free from oil or water.

Outfit consists of double diaphragm compressor (V-Type unit) mounted on 1x28-inch reinforced steel base, equipped with sturdy steel casters, 6x6 belt and pulley, powerful 5-1/2-H.P. air-cooled gasoline engine, (or heavy duty 1/2-H.P. R.I. electric motor), genuine "Kleen-Air" spray gun, air gauge and 13 feet of high grade 1/4-inch air hose. Sold on Easy Terms. See inside front cover. Electric motor equipped with 10-ft. cord and plug.

30 P 3247—Outfit as shown with 5-1/2-H.P. gasoline engine complete. Shipping weight, 85 pounds. Cash $61.50


30 P 3245—Outfit with 15-ft. hose and gun, less motor or engine. Shipping weight, 45 pounds. Cash $29.95

30 P 3279—Extra diaphragm. Shipping weight, 3 ounces. 25c

INDUSTRIAL SPRAY OUTFIT

Complete as shown with gun, 15-ft. hose, filter, gauge and reducing valve for regulating pressure to less than 50 lbs., and shut-off valve. Shpg. wt., 15 lbs.

9 P 5632—Complete as illustrated $11.95

SERO-WAY SPRAY GUN

A very efficient gun of the smaller type. Operates very satisfactorily on 1/4 to 2 cubic feet 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. Easy to clean, gives first-class results on any spray job. Shipping weight, 3 pounds.

30 P 3289 $2.98

ALL PURPOSE SPRAY GUN

Bleeder-type pressure spray gun. This type provides continuous air flow through nozzle—keeps nozzle clean. Trigger controls paint flow. This type is best for intermittent service. Complete with 2 nozzles and 2 air tips. Aluminum paint cup holds 1 quart. Easy action; nicely balanced. Shipping weight, 3 lbs. 12 oz.

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 5 to 6 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 5584 $10.95

COMANDER 2-gallon pressure feed tank. Handy for painting large surfaces, it eliminates the need for a paint cup and the necessity of frequently filling it. Complete with 15-foot air hose and 1/4-inch material hose. Shipping weight, 45 pounds.

9P5632 $9.90

MATERIAL TANK

Page 45
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99 PM 2019 — CRAFTSMAN Lathe. 9-in. swing;
30-in. centers; 44-in. bed. See page 16.

99 P 2651 — CRAFTSMAN Rotary Electric Tool
complete with accessories. See page 31.

99 P 2614 — COMPANION 1/4-H. P.
Ball Bearing Grinder. See page 32.

99 PM 2171 — COMPANION 7-inch Bench Saw.
Table size, 12 1/4 x 16 1/16 in. See page 1.

99 PM 5586 — CRAFTSMAN 1/4-H. P. Capacitor Motor. 1750 R. P. M. See page 43.

99 PM 2213 — CRAFTSMAN Combination 4-in.
Belt and 8-in. Disc Sander. See page 32.

99 PM 2378 — COMPANION Drill
Press. 1/4-inch capacity. See page 25.

99 PM 2287 — COMPANION 4 1/2-
Inch Jointer Planer. See page 8.

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