Again Sears lead in power tool engineering advancements. Greater precision, more accurate machining and excellence of design are at once apparent. New developments and refinements are featured throughout the line for 1937.

Sears

Tremendous volume has enabled us to produce better power tools for less money. Because of this volume we are able to concentrate on quality, finer construction and greater efficiency of each tool. At the same time we are able to offer you greater savings. That’s why America’s craftsmen, both professional and amateur, have made Sears the world’s largest distributors of fine power tools.

Sears, Roebuck and Co.

The World’s Largest Distributors

Of Power Tools
LEADERSHIP!


NOT BY mere chance did Sears become the nation’s head-quarters for Quality Power Tools. Years of development work . . . the combined thinking of our own expert engineers and those of America’s foremost power tool manufacturers . . . the selection of first quality materials, parts and accessories . . . combined with Sears vast buying power . . . enable us to stand foursquare against the field as the largest distributor of fine power tools in all the world. . . But mere size and volume of business alone were in no wise responsible for Sears present position of leadership! It required a fearless courage to build to higher standards than the industry believed possible or necessary . . . a grim determination to break away from the old and the obsolete . . . a broad vision to see that in the design and manufacture of power tools engineering ability of the highest order was just as essential as in the production of automobiles, airplanes and streamlined trains!

When you order ANY Power Tool from Sears you get soundly engineered machinery, built of the finest materials obtainable and sold at a price that ALWAYS saves you money.

EASY PAYMENT TERMS

On Orders Amounting to $20.00 or More.

Purchase What You Need Now!

A great number of our customers who do not have all of the ready cash set aside for their Power Tool purchases have found Sears Easy Payment Plan most convenient. We invite you to make use of this Plan when buying any power tool shown in this catalog, provided the total price amounts to $20.00 or more. Simply select the tools you want, add up the cash prices of the various items selected and figure the terms according to the table below.

When using this Plan you merely make the down payment when you order, paying the balance, including carrying charge, in easy monthly installments. Why not make use of Sears Easy Payment Terms when sending your order?

HERE ARE YOUR EASY TERMS

<table>
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Use one of Our Easy Payment Order Blanks. Write our Personal Service Department for terms on purchases over $150.00.

Copyright 1936 by Sears, Roebuck and Co.
Tools which represent a real advance in design are the product of much thought, inquiry, research and experience. Sears has developed this process to a high degree—brought it to a focal point in a central office where all efforts are coordinated and results achieved in the most efficient manner. This organization has a breadth and scope that is unmatched.

The Greatest Advancement in the HISTORY OF POWER TOOLS

The Power Tools you will find illustrated and described in this book represent a long step forward. Sears have a dominant position in this field. Our engineers, through our several hundred retail stores and our ten huge mail order houses, are in direct touch with the needs and the problems of Power Tool users everywhere. Each day the Power Tool salesmen in our retail stores talk with countless thousands of Power Tool owners. Each week our buyers receive and analyze hundreds of letters coming to our Central office from every state in the union. Thus we not only know the tools our customers want, but we are in a position to work with them in designing new and improved tools that more exactly meet their needs. No other distributor has so remarkable an opportunity to do this as Sears. And no other distributor, to our knowledge, uses this opportunity so wisely for their customers' benefit!

The illustrations on this page depict the building of a tool—beginning at the upper left hand corner of the page, Power Tool experts in consultation on a newly designed tool considering all the virtues and weaknesses of all existing tools of this type, the comments of customers—craftsmen, factory users etc.—materials, everything required to produce better tools. Above at the right, in the larger illustration, our manufacturers' engineers working with our own experts to produce a perfect model of the proposed tool. Every detail of construction is studied from every possible angle before the tool receives our OK. When approved, it is put into production using only the best materials produced by the best methods. At every step during manufacture it is inspected and tested to insure perfection of materials and workmanship. Before shipment it receives a final testing and inspection. Small wonder that Sears Power Tools are so expertly designed, so sturdily built and so accurately assembled!

This method of designing and building our Power Tools is responsible for the many engineering advancements and constructional betterments found in the tools shown in this catalog.

The alertness of our staff, our great testing facilities, our tremendous buying power and our will to produce better tools bring to you not only the latest mechanical improvements but also the finest materials uncovered by recent metallurgical developments—all tried—all tested—all better, every step an advance. This continual striving for perfection has developed for us new standards of precision through the use of finer, more accurate machining or the utilization of newer and better materials. It has brought about the introduction of new standards of safety for your protection. And it enables us to include in this catalog many new tools of unusual interest to the craftsman who wishes to still further broaden the usefulness of his shop.

Sears Power Tools reflect the combined ideas of America's millions of professional and amateur craftsmen, shop owners, factory production men and all other types of power tool users, allied with the nation's most progressive group of engineering and manufacturing experts, working together to bring you the most advanced line of QUALITY Power Tools ever offered by any distributor in the world—at prices that always offer you great savings!
We include bench screw for vise and heavy turned wood handle. We ship bench to you knocked down to save freight and make this low price possible. It is easily and quickly assembled when you receive it. We include complete instructions for putting bench together. All you need is a hammer and nails. Makes an ideal bench for power tools, or may be used for other woodworking purposes. Size of top: 26 inches x 6 feet. Height, 32 inches. This is a big, heavy, sturdy bench. Its net weight is 134 pounds. Your power tools will run more quietly and more smoothly when mounted on the sturdy top of this extra heavy bench. A real value! Shpg. wt., 135 lbs.

**COMPANION**

**METAL JOINTS**

- Made of strong malleable iron; rust-proofed.
- No nails, screws or bolts needed.
- Easily put together with a hammer.
- May be used again and again—give a lifetime of service.

Make your own saw horse... in a jiffy... simpler, better. All you need is a pair of these husky joints, some lumber and a hammer. No fussing with nails, bolts or screws; you don’t have to bevel or joint your lumber. Horses built with COMPANION joints are much stronger, more rigid. Provided with locktight grippers that prevent side sway, spreading or warbling. Easy to take down and set up.

- 9 P 2896—COMPANION joints for 183 lumber, per set of 2. Shipping weight, 4 pounds 6 ounces.
- 9 P 2897—COMPANION joints for 284 lumber, per set of 2. Shipping weight, 16 pounds.

**COMPANION**

**TOOL LIGHT**

$1.45

One of the handiest aids to good work ever made for use with power tools.

A Sears perfected light that clamps right on a tool in a jiffy, and stays “put.” The flexible neck lets you bring the light down to your work, just where you want it; an extra large reflector keeps the light out of your eyes, a real safety feature. Two or three of these in a well-equipped shop will save your eyesight and do away with overhead lights that cast work-hindering shadows on the job you have in hand.

Length of neck is 15 inches. Overall length, 23 inches. Complete with push switch in socket, clamp, cord and plug. This is a larger, finer, better constructed lamp of superior quality. Shipping weight, 1 lb. 12 oz.

Handy Tool Clips

$25

Safely in place on these clips, your tools will remain bright and sharp. Tools rolling around a work bench soon lose their sharp edges.

Made of the finest spring steel, these clips are adjustable in grip tension to accommodate tools from the smallest to the largest. Mounted in groups of five on a nicely finished wood strip. Shipping weight, 10 oz.

Here’s a real bargain! A massive work bench with rugged strength in every ounce of its 134 pounds—yours for only $7.50. Only Sears could price such a quality bench that low. This is by far the most popular bench we have ever sold. Every piece of lumber is carefully seasoned, accurately milled and fitted. The top is actually 1½ inches thick! Bench is provided with a handy drawer 20½" x 17½" inches, 3½ inches deep. A large capacity woodworking vise is supplied complete with screw with every bench. Note the large size, extra sturdy top and legs—this COMPANION bench is made to give service. You can do better work on one of these large, rugged and rigid benches that stand true and steady under hard use. An unmatched value!

Easy-To-Use Blueprints

$1.90

Clear, easy to read and use. Your choice of 10 blueprints as listed below. Gives all the information necessary, such as the list of materials needed, sketch of finished job, details of joints and directions for finishing. (1) Priscilla Sewing Cabinet, (2) High Back Lawn Chair, (3) Colonial Spinet Desk, (4) Drop Leaf Table, (5) Garden Trellis, (6) Old West Silhouettes, (7) Work Bench, (8) Hanging Book Rack, (9) Cobbler’s Bench Table Lamp, and (10) Cedar Linen Chest. State plan wanted. Shipping weight, each, 3 ounces.

**CRAFTSMAN APRON**

$3.90

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

Has large, handy, strongly sewn pocket. You’ll find others ask much more for aprons not as good as this one. Easily pays for itself.

Shipping weight, 9 ounces.

**WORKSHOP MANUALS**

$1.25


**HANDY TOOL CLIPS**

$25

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

Page 2

9 P 2900—Each. $1.90

9 P 2264— $1.45
**COMPANION 7-INCH BENCH SAW**

- Depth of cut easily adjusted by ball crank and gear mechanism, which raises and lowers table.
- New depth gauge makes depth of cut adjustment more accurate.
- Table tilts to any angle from 0° to 45° with adjustable stops for both positions.
- Angle cut gauge shows angle clearly, precisely.
- Operating mechanism completely enclosed.
- New type auto-lubricating bronze bearings.
- 7-in. diameter combination saw blade included.
- Fitted with removable insert for dadoing.
- Ripping fence is rugged and accurate.
- Equipped with miter gauge and approved safety guard... latest design.
- Rip fence bars and all control handles chromium plated; table is ground to smooth finish.
- Depth of cut from 0 to 2¼ inches.

The answer to the demand of home craftsmen who insist on high quality in a medium sized bench saw. It has all the features found in saws selling at much higher prices—it can handle most any job. Improved—new depth and angle of cut gauges make for greater accuracy and ease of control; chromium-plated control handles and rip fence bars give it greater beauty. This 7-inch COMPANION saw is an outstanding value at this price. Compared with other bench saws—see it as the leader it truly is.

**ADVANCED DESIGN ... FINE WORKMANSHIP ... TRUE VALUE ... WITHOUT EQUAL UNDER $20.00**

You'll take pride in adding this sturdy, efficient tool to your shop. It cuts through the toughest, hardest wood with ease. It has a full 2½-inch depth of cut, operates at 3500 R.P.M. Like all of Sears power tools, it is remarkably free from vibration. Add an extension table at small cost and you'll have a machine that can handle really big jobs—jobs that ordinarily would overtax the capacity of a larger bench saw.

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

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

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

Complete with 2-in. pulley on machine, miter gauge, guard and splitter and rip fence. Shpg. wt., 46 lbs.  
99  P 2232—Without motor  $11.95  
99  P 2234—A above with ½-H.P. 110-volt 60-cycle A.C. COMPANION Ball Bearing Motor. Shipping weight, 69 pounds. $20.70

**TABLE:** Tilting type, 10½"x14½" inches. Heavy non-warping semi-steel, care-fully machined and highly polished.

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

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

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

**DUST COLLECTING OUTFIT**
Consists of dust guard (A) and dust chute (B) for attaching to base of saw. 7-inch bench saw. $20.70  
99  P 2246  $11.00

**EXTENSION TABLE**
Front and side extensions handle wide stock. Front extension fitted with slot for miter gauge. Will accommodate ripping fence. Easy to attach; increases saw top to 20½" in. Shipping weight, 10 pounds.  
99  P 2247  $6.95

**COMPANION MACHINE STAND**
For bench saw 99 P 2232. Shipped knocked down with all necessary bolts and fittings for easy assembly. Size of top, 10¼x10¼ in., Ht., 31 in. Specify size 10¼x10½ in., shipping weight, 33 pounds.  
99  P 2279  $4.25

**COMPANION TOOL LIGHT**
Easy to attach; throws light on the work—extra large reflector keeps light out of cut—gives. Has 1½-inch flexible neck. Over all length, 24 inches. Fitted with clamp, also drilled for holding to machine. Shipping weight, 1 pound 12 ounces.  
99  P 2264  $1.45

**COMPANION CUT-OFF SAW**
99  P 4921  $1.00

**COMPANION COMBINATION SAW**
Really 4 saws in 1. Speciality designed for cross cutting, ripping or mitering. Specify 7-inch diameter and hole size wanted. Order ¾ in. hole if wanted for 99 P 2232 saw. Shipping weight, 10 ounces.  
99  P 4936  $1.00

**COMPANION 4-IN. DADOS**
2 outside dados, 6 chippers. ½-in. hole. Shipping weight, 14 lbs.  
99  P 4887  $2.19

**CRAFTSMAN 5½-IN. DADOS**
2 outside dados, 6 chippers. ½-in. hole. Shipping weight, 19 lbs.  
99  P 4888  $3.50

**CRAFTSMAN 5½-IN. DADOS**
2 outside dados, 6 chippers. ½-in. hole. Shipping weight, 19 lbs.  
99  P 4889  $3.50

**CRAFTSMAN 5½-IN. DADOS**
2 outside dados, 6 chippers. ½-in. hole. Shipping weight, 19 lbs.  
99  P 4890  $3.50

**CRAFTSMAN 5½-IN. DADOS**
2 outside dados, 6 chippers. ½-in. hole. Shipping weight, 19 lbs.  
99  P 4891  $3.50

Page 3
What Thousands of Craftsmen Have Wanted

Sears, the largest distributor of power tools, accepted their responsibility as the leader. Knowing that experienced craftsmen everywhere wanted this saw they utilized their large volume of sales to pay for the great expense involved in producing this new and modern design. This cost distributed over the largest number of saws ever purchased at one time makes it possible for us to offer this wonderful tool at an unbelievably low price. To our knowledge no saw in any way comparable to it has ever sold for less than $60.00, almost twice our price. The fact that more craftsmen approve and use CRAFTSMAN tools than any others made it possible for us to produce several times more saws than any other distributor. The saving effected as a result of this large vote of confidence is now being passed on to you. We are offering this fine tool for less than one half of what it would cost if it could be obtained elsewhere.

It was impossible for anyone except the distributor with largest volume and acceptance to develop such a saw. It can be purchased only at Sears. Shipping weight, 145 lbs.

99 PM 2236—CRAFTSMAN Tilting Blade Saw complete with guard, rip fence, miter gauge, V belt and motor pulley .......................................................... $35.00

99 PM 2207—Same as above with 1/2-H.P. 3450 R.P.M. COMPANION Ball Bearing Double Drive Shaft Capacitor Type Electric Motor for 110 volt 60 cycle A.C. Shipping weight, 173 pounds .......................................................... $47.00

The Work Remains Level

Regardless of the angle at which the board is being cut it remains level, flat on the fixed top of the CRAFTSMAN Tilting Blade Saw. When large work is being fed across a tilted table it tends to slide toward the lower side of the table and is difficult to handle. The table of the CRAFTSMAN saw is never tilted, always level and easy to use. The logic of the tilting blade saw for large work is so simple as to be obvious. To correctly produce such a tool, making it sturdy and accurate, required the volume and production facilities that are available only for the production of CRAFTSMAN tools, the finest factories and most skilled workers.

Extension Tables for Large Work

Accurately made, carefully finished. Fits perfectly and provide a solid surface for work.

99 P 2208—Front extension, 6x16 inches. Increases space in front of saw blade to 15 inches. Complete with all fittings and fine wood facing for rip fence. Shpg. wt., 19 lbs .......................................................... $3.75

99 P 2209—2 side extensions, 6x26 in. Long graduated bar for rip fence, long feed screw, brackets and fittings. (Cannot be used without front extension above.) Shpg. wt., 43 lbs .......................................................... $6.80
HEAVY DUTY... 8-Inch Blade... SKF BALL BEARINGS

- The saw blade tilts, raises and lowers.
- The table remains level at all times.
- The motor tilts with saw arbor and blade.
  Belt always runs straight; never twisted.
- Blade is enclosed by sawdust chute.
- SKF ball bearings.
- Very large diameter trunnions support a massive cradle, which tilts to provide angle of cut. 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.
- Depth and angle of cut gauges are mounted together. Easily read at a glance.

SPECIFICATIONS

| TABLE: | Heavy and well ribbed, very smooth finish. Size 16x20 inches. With extensions, 28x26 inches. 9-inch space before blade; 15 inches in front of blade when fitted with extension. |
| DEPTH OF CUT: | From 0 to 2 1/2 inches. (Note this is a full 8-inch machine, not a 6-inch saw with an 8-inch blade that cannot be withdrawn below the table—note also the net weight). |
| NET WEIGHT: | 130 pounds. Shipping weight, 145 pounds. |
| OVER ALL DIMENSIONS: | Length, 26 inches; height, 17 inches; width, 26 inches. |
| RIP FENCE: | Very strong, self squaring type, fitted to bar graduated in 1/4ths from 0 to 14 inches; feed screw mechanism, readily engaged or disengaged, has Vernier adjusting to 1/16 inch. |
| MITER GAUGE: | Large, heavily and accurately made; indexed at 15 degree intervals, graduated at 1 degree intervals, fitted with adjustable stop rods. |
| LOCKING MECHANISM: | Slide bolt under front of table locks both raising and tilting mechanism easily and quickly. |
| BLADE: | Fine quality combination crosscut and ripping type; 8-inch diameter. |
| ANGLE OF CUT: | From 90 degrees to 45 degrees, positively controlled by screw feed mechanism and large hand wheel. |
| TRUNNIONS: | Very large, extra heavy, tongued and groove type. Carry cradle, pivoting arm, saw arbor and blade. |
| BEARINGS: | SKF ball bearings. Deep groove heavy duty type of extra large diameter mounted on accurate arbor of finest steel. |

This new CRAFTSMAN tilting blade saw is truly a leader, standing head and shoulders above other bench saws. A giant in quality, design and pistol. The product of years of experience, research and development, the CRAFTSMAN tilting blade saw has proven itself superior to all others. It is a sturdier, more accurate and thoroughly tried saw. One that offers more cutting ability, more refinements, more fine workmanship than any saw we have ever seen.

Experienced craftsmen have long known that this type of saw was the ideal type. Previously it was not thought feasible to produce it. First because this type requires fine machine work carefully performed on massive castings, pieces much larger and more costly to produce than any manufacturer considered profitable. Secondly because it was easier to build the conventional type of saw than to work out the problems connected with easy, accurate operation of the new type. There were many other reasons too, such as the investment required for new machinery, new dies, new dies, the lack of design and testing facilities, etc.

With the conventional saw the table is tilted and the work is difficult to hold in the correct position for sawing as it tends to slide toward the low side of the table. All this is eliminated in this new and better tool. Sawing on a tilting blade saw is entirely different, easier and faster. The work always remains level, lying flat on the fixed table regardless of the angle at which the cut is made.

COMPANION

Machine Cabinet

$9.95

This sturdy all-steel machine stand makes an ideal foundation for No. 99 PM 2336 Tilting Blade Bench Saw. The roomy cabinet has sturdy shelf for tools. The top measures 16x21 inches and it stands 31 inches high. The sides are braced on top and throughout. Large rubber pads for feet of stand. Finished in dark Royal Blue crinkle enamel. Made of extra heavy gauge steel for rigidity. Shipping weight, 62 pounds.

99 PM 2718...$9.95

High Grade 8-In. Circular Saws

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<th>Model</th>
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<tr>
<td>9 P 4929</td>
<td>CRAFTSMAN Cut-Off Saw, Special saw steel, heat treated, hardened. Set and filed. Shpg. wt., 13 oz.</td>
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<tr>
<td>9 P 4923</td>
<td>CRAFTSMAN Cut-Off Saw, High carbon, tempered, saw steel. Set and filed. Shipping weight, 13 ounces.</td>
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<td>9 P 4936</td>
<td>CRAFTSMAN Plate Tool Combination Saw, Not Illustrated. Shipping weight, 15 ounces.</td>
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Grinding and Metal Cutting Wheels

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<td>9 P 4272</td>
<td>High quality steel abrasive disc wheel, 8 in. in diameter, for use on CRAFTSMAN 8-Inch Bench Saw. Shipping weight, 4 pounds, 4 ounces.</td>
<td>$1.50</td>
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<tr>
<td>9 P 4923</td>
<td>CRAFTSMAN Hollow Ground Combination Saw, For cross cutting, ripping or mitering. Shpg. wt., 13 oz.</td>
<td>$3.25</td>
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<tr>
<td>9 P 6470</td>
<td>8-Inch metal cutting wheel for the CRAFTSMAN 8-Inch Bench Saw. Shipping weight, 6 1/4 lbs.</td>
<td>$1.00</td>
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5/16-In. Dado Saws

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<tr>
<td>9 P 4829</td>
<td>CRAFTSMAN, 2 carefully ground outside mowers; 6 sharpeners. 1/4-in., center hole.</td>
<td>$3.50</td>
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<tr>
<td>9 P 4825</td>
<td>Outside Dado, 1/4-in., center hole.</td>
<td>$2.50</td>
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<tr>
<td>9 P 4821</td>
<td>2-&lt; 1/4-in. dado set, center hole.</td>
<td>$2.00</td>
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Page 5

ROSE TOOLS, INC.
$49.50

### CRAFTSMAN 10-in. TILTING BLADE BENCH SAW—The Finest Built

- The saw blade, mounted on a rugged, accurate mechanism tilts, raises and lowers.
- Motor and blade tilt together as a unit. Belt always runs straight, is never twisted.
- Rip fence feed screw control permits the adjustment of width of cut to \( \frac{5}{8} \) of an inch.
- Angle and depth gauges mounted together regardless of position of blade. Gauges are easily read.
- Massive over-size base insures stability of the saw.
- Large precision type SKF ball bearings.

We believe that this is the finest 10-inch saw ever built. Our radically new design incorporates features that experienced craftsmen have wanted for years. Craftsmen know that the ideal way to build a large bench saw is to tilt the blade rather than the table. The work always remains level. On a tilting table saw the work must be held on an angle. It is particularly awkward to handle large work under such conditions.

The tilting blade type of construction is made possible only by our volume as the largest distributor of power tools in the country. A tilting blade saw must be designed and built to the highest standards. Its construction requires the use of expensive, special tools and machines. Because of the large expense involved no one previously dared go into this type of construction. Only by buying unheard quantities have we been able to offer this saw at this price.

We have used the best tools and machinery in order to produce the utmost in accuracy. We knew that the finest bench saw in the past was not good enough—that the new CRAFTSMAN must have everything. We are proud of this tool—proud to be the pioneer of a new and truly finer bench saw. This new CRAFTSMAN is a full 10-inch bench saw which will withdraw the blade completely below the table. Net weight, 175 pounds.

**Specifications**
- Table—well ribbed to prevent warping. Ground finish. Size, 20 x 27 inches. Table size complete with extensions, 34 x 32 inches.
- Distance in front of blade, 12 1/2 inches; with extensions, 17 1/4 inches.
- Blade—finest quality, combination type. Diameter, 10 inches.
- Depth of cut, maximum—3 1/2 inches.
- Saw arbor—finest quality steel; reduced at blade to 1/8 inch.
- Rip fence bar—graduated from 0 to 45°—graduated by 1° divisions.
- Saw blade tilts from 0° to 45°—graduated by 1° divisions.

### The Work Remains Level

See how easy it is to cut a board at an angle on the CRAFTSMAN tilting blade bench saw. The table is never tilted, always level and easy to use. The work always lies flat regardless of the angle at which the board is being cut. A long board which would hit the floor on a tilting table saw is easy to handle on the new CRAFTSMAN. To produce such a tool required the facilities that are available only for the production of CRAFTSMAN tools.

### Extension Tables for Large Work

Accurate, carefully finished. Provide a solid surface for work. 9 P 2203—Front extension only. Provides 17 1/4 inches in front of blade. Size, 20 x 27 inches. Complete with fittings and long fence for rip fence. Shipping wt., 22 lbs. $11.95

9 P 2204—Two side extensions, each 7 x 32 inches. Useful only with front extension to make 32 x 34-inch table. Complete with long feed screw and graduated bar. Shipping wt., 58 lbs... $11.50

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*Page 6*
COMPANION
10-In. BAND SAW
One-Piece Frame . . Improved Design

$16.95

- Exceptionally heavy one piece gray iron frame guarantees long life and smooth operation.
- New integral mounting of guard and wheel maintains perfect blade tension, and a constant clearance between wheel and guard.
- Highest quality easy-running bronze wheel bearings.
- Upper guide has high grade ball thrust bearing.
- 10-inch balanced safety type wheels. Blade cuts to center of 20-inch circle.
- Table tilts to 45 degree angle.
- Handles any wood up to 4 inches thick.
- Hardwood extension table securely mounted.
- Newest type approved vertical guards.
- Strong, adjustable upper wheel support.

SPECIFICATIONS
FRAME: Sturdy one-piece close-grained gray iron, well braced and designed to provide large surfaces for alignment and for bearings. Assures smooth operation and long life.
WHEELS: Large 10-in. safety type, rubber-tired for silent, positive traction of the blade. Fully adjustable upper wheel support makes it possible for even inexperienced operators to get the correct blade tension and alignment, right from the start! We've mounted the upper wheel and guard as a single unit, so that the clearance between the guard and wheel is always the same regardless of blade length.
BEARINGS: Bronze, oversize, easy running type.
TABLE: Smoothly machined 9½ x 8½-inch top, supported by combined cradle and graduated scale showing angle of cut to 45°. Quickly tilts and locks in place at a twist of the handle. Soft metal insert in center of table for protection of the blade.
BLADE GUIDE: Upper guide adjustable for height and is fitted with highest quality ball thrust bearing. Both upper and lower guides designed to keep saw blade running free and true even under heaviest cutting.
DIMENSIONS: Over all height, 26½ inches. Front-to-rear depth, 17 inches. Overall width, 9½ inches.

Finer Performance . . Extra Strength . . A Real Value

The leader in its class! A husky 10-inch bandsaw with everything—and priced to save you money! The new upper wheel mounting keeps the space between wheel and guard always the same; they move together when blade tension is adjusted. You can mend a broken blade several times and still have sufficient clearance between wheel and guard. Blade travels smoothly over the rubber-tired wheels. Vibration is reduced to a minimum, blade life is lengthened. Finely machined table 9½ x 8½ inches; working space, including extension, 15 x 9½ inches. Convenient positive controls regulate track and tension of blade very accurately. They are of new design and sturdily constructed. This saw handles the hardest wood up to 4 inches thick. Use ½-H.P. motor, 99 P 5607, page 39. Complete with 48-inch "V" belt and 72-page instruction book.

Shipping weight, 61 pounds.

99 PM 2302 ........................ $16.95

COMPANION Band Saw Blades
For 10-inch band saw 99 PM 2302. Made of high quality saw steel, carefully tempered and set. Will give long service on all kinds of wood whether hard or soft. Rasp true, hold their cutting edge longer. Length, 62 in. Furnished in widths of 1½, ¾ or ¼ in. State width wanted. Shipping weight, 6 ounces.
9 P 2665 ........................... 79c

COMPANION Machine Stand
An all-metal stand for your COMPANION 10-Inch Band Saw. Exceptionally strong and rigid. Has handy tool shelf and top measuring 10 x 21 in. Specify 10 x 21 x -in. size. Shipping wt., 32 lbs.
99 P 2719 ........................... $4.25

COMPANION Tool Light
For mounting on your band saw. Clamps on handyly. Extra large reflector throws the light on the work—keeps it out of your eyes. Complete with 15-in. flexible neck, reflector and cord and plug. Shipping wt., 1 lb. 12 oz.
9 P 2264 ........................... $1.45

Page 7
12-inch Ball Bearing Band Saw
Precision-Built for Finer Work

$28.95

- Six precision type SKF ball bearings for long life and smooth, silent operation.
- Extra heavy one piece gray iron frame insures smooth operation and accuracy.
- Oil impregnated bronze guides increase life of saw blade—safeguard its value.
- New head design maintains a constant amount of clearance between wheels and guards.
- Safety type 12-inch rubber faced wheels run on four sets finest precision type SKF ball bearings.
- 1 1/4 x 12-in. well ribbed table—smoothly finished—2 x 12-in. with wood extension; ample capacity for most every job.
- Handles stock up to 6 inches thick.
- Table tilted up to 45° angle with easily read graduated scale showing exact angle.

SPECIFICATIONS

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

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

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

TABLE: Ground and polished, of heavy gray iron. Provided with large, rugged cradle upon which table tilts to any desired angle up to 45°. Large easily read scale and pointer tell at a glance the angle at which table is set. Convenient locking handle gives quick, positive control. Table is well ribbed, and two sides are positively lined up by a heavy machined plate that is bolted down, eliminating the customary and less efficient retaining screw ordinarily used. Wood extension table at rear increases working surface to 18 x 12 inches.

DIMENSIONS: Height, over all, 33 1/2 inches. Depth, front to rear, 22 inches. Maximum width, 12 inches.

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

America’s most popular 12-inch band saw—designed for the craftsman who wants a powerful, speedy, smooth-cutting saw. 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. With costs rising, we still price it low. What’s more, we’ve added new features that make this CRAFTSMAN saw—even more than last year—the outstanding value in the entire band saw field.

New, quieter, more effective guards, mounted so a constant clearance above wheel is maintained. Wheels that are carefully and individually balanced also 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. These new features mean a real step forward in band saw perfection. Feature for feature, price for price, this 12-inch CRAFTSMAN band saw is a real value. Complete with 48-inch belt, 15-inch wide saw blade, 2 1/2-inch pulley and 72-page book of instructions. Shipping weight, 104 pounds. 99 PM 2304. $28.95
CRAFTSMAN

Heavy Duty, 16-in. Band Saw
Extra Large Capacity

• Six high quality SKF bearings in dustproof housings packed with enough lubrication for years of trouble-free service.
• One piece gray iron frame, extra heavy for utmost rigidity.
• Self-lubricating bronze guide blocks in saw guides keep blade from hardening. Both right hand guides have micrometer adjustment for finer, more exact work.
• New head design maintains constant clearance between wheel and guard.
• Rubber faced machined wheels, carefully balanced.
• Handles material up to 12 inches in thickness.
• Big 17 x 18-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.

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 hair line accuracy in cutting. Ball bearing takes the thrust of the saw blade, insuring easy operation and long blade life. Angle of lower right hand guide makes it possible to set guide very close to underside of table.

TABLE: 18 x 17 in. Smooth finish. Heavily reinforced. Easily read, scale shows exact degree of tilt—carries stops at 45° and 90°. 24-in. aluminum insert protects blade.

GUARDS: The last word in safety. Saw is almost completely enclosed. Practically unbreakable wheel guards are cast of Zamak, a tough metal that looks better, is lighter but yet stronger than cast iron. A unique telescoping arrangement makes it possible to fully lower the guard down to the work—when cutting very thin material or to get full clearance when working at 12-in. capacity.

BEARINGS: 2 sets dust sealed SKF ball bearings in each wheel. In all, 4 sets of the finest bearings.

DIMENSIONS: Height, overall, without base, 50 1/2 in.; Depth, front to rear, 30 1/2 inches. Maximum width, 22 inches.

Highest Quality!

The band saw for the professional as well as the home craftsman. A big, sturdy saw that cuts with ease through toughest wood up to 12 inches thick—so carefully made that it handles small jobs to perfection—has hair line 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 guide and wheel! The wheel and guard are mounted as a unit and move together. The wheels are made of Zamak metal and are the last word in safety design. Operates at 600 R.P.M. (Use 1/2-H.P. 1750 motor, see pages 38 and 39.) The greatest value on the market. Guaranteed—and priced much lower than you would expect. Complete with belt, motor pulley and 72-page book of instructions. Shipping weight, 310 pounds.

99 PM 2301—Less base and motor .................. $79.50
99 PM 2318—Heavy gray iron base for 99 PM 2301 band saw. Shipping weight, 125 pounds .................. 122.50

COMPANION Band Saw Blades

For 16-inch band saw. Made of very finest quality saw steel, carefully tempered and set. We recommend the 5/8-inch blade for reusing. Length, 11 1/4 in. Specify width blade wanted. Shpg. wt., each, 1 lb.

9 2669—COMPANION Blade, 1/8 or 1/4 in. wide .......... $1.95
9 2689—COMPANION Blade, 1/2 or 3/4 in. wide .......... 1.65

Page 9
**COMANDER ¼-H.P. SPRAYER**

- Sprays everything: lacquers, oil and cold water paints, enamels, varnishes, insecticides, disinfectants. Saves time and money.
- Heavy duty 2-ring wick oil engine. Supplies clean, oil-free air. Maximum pressure, 50 pounds.
- Pressure-type gun with two air caps for round or fan spray.

An extremely practical outfit that saves you hours of time and labor on every job. Completely equipped—Usually sells for $50 to $65! Covers every house and thoroughly. 3 cu. ft. size. Mounted on a deluxe heavy duty cast iron base, includes motor, compressor, air chamber, 1-gallon aluminum paint cup, pressure type gun with 2 tips and 2 air caps, 15 ft. of high pressure hose, and V-belt drive on cast-iron mounted base. Highest quality—not to be compared with the ordinary ¼-H.P. spray outfit. The COMMANDER is an aristocrat among sprayers and a top notch performer. Operates on 110-120 volt, 60-cycle A.C. Shipped w.t. 68 lbs.

99 PM 5635—Complete as illustrated ............... $37.50

**INDUSTRIAL SPRAY OUTFIT**

Reducing Valve and Gauge
Valve reduces and controls air pressure to below 50 lbs. so it can be used by gun. Graduated gauge registers air pressure accurately. Shipping weight, 1 pound.

Filter
Prevents oil, water, and other impurities from getting into the air stream. New, scientific design, gives trouble-free service. Usually fine value. Shipping weight, 3 pounds.

Air Hose
High-pressure type. Made to give long, hard service. Complete with fittings. Two or more lengths of hose may be coupled together. Shipping weight, 3 pounds.

Spray Gun
Pressure type. Complete with 2 nozzles and 2 air caps. Scientifically built. Aluminum paint cup holds 1 quart. Today’s best gun value! Shipping weight, 3 pounds.

**CRAFTSMAN MACHINISTS’ VISES**

- Semi-steel body, reinforced where strength is needed.
- Every part accurately milled and fitted.
- Cold rolled steel screw and handle.
- Replaceable knurled tool steel jaws, heat treated and hardened.

**SOLID BASE**

Built for Heaviest Machine Shop Work!

Compare these CRAFTSMAN machinists’ vises with any other vises on the market and you will agree they are none better at any price. Extra heavy—extra strong. Gray enamel finish. Complete with bolts. Shipped freight or express. Shipping weights same as actual weights. 5½-in. jaw size and larger shipped prepaid from factory in Southern Illinois. Smaller sizes carried in stock.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Jaws</th>
<th>Open to</th>
<th>Weight</th>
<th>Price</th>
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<tbody>
<tr>
<td>99 PM 5150</td>
<td>3-inches</td>
<td>4-inches</td>
<td>22 lbs.</td>
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<tr>
<td>99 PM 5151</td>
<td>4-inches</td>
<td>6-inches</td>
<td>41 lbs.</td>
<td>$9.80</td>
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<tr>
<td>99 PM 5152</td>
<td>5-inches</td>
<td>8-inches</td>
<td>55 lbs.</td>
<td>$12.65</td>
</tr>
<tr>
<td>99 PM 5153</td>
<td>5½-inches</td>
<td>10-inches</td>
<td>78 lbs.</td>
<td>$14.00</td>
</tr>
<tr>
<td>99 PM 5154</td>
<td>6-inches</td>
<td>12-inches</td>
<td>101 lbs.</td>
<td>$21.00</td>
</tr>
<tr>
<td>99 PM 5155</td>
<td>7-inches</td>
<td>14-inches</td>
<td>150 lbs.</td>
<td>$27.30</td>
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<tr>
<td>99 PM 5156</td>
<td>8-inches</td>
<td>16-inches</td>
<td>226 lbs.</td>
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<tr>
<td>99 PM 5157</td>
<td>9-inches</td>
<td>1¾-inches</td>
<td>309 lbs.</td>
<td>$42.50</td>
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</tbody>
</table>

**$6.95 3-in.**

Extra Heavy ... Extra Strong Base Locks in Any Position

Built to stand up under hardest use. Swivel base locks securely in any position and withstands 45% more pressure than other makes in tests at Armour Institute. Gray enamel finish. Complete with bolts. Shipped freight or express. Shipping weights same as actual weights. 5½-in. jaw size and larger shipped prepaid from factory in Southern Illinois. Smaller sizes carried in stock.

<table>
<thead>
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<th>Cat. No.</th>
<th>Jaws</th>
<th>Open to</th>
<th>Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>99 PM 5160</td>
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<td>4-inches</td>
<td>27 pounds</td>
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<td>99 PM 5161</td>
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<tr>
<td>99 PM 5162</td>
<td>5-inches</td>
<td>8-inches</td>
<td>69 lbs.</td>
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<td>99 PM 5163</td>
<td>5½-inches</td>
<td>10-inches</td>
<td>95 lbs.</td>
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<tr>
<td>99 PM 5164</td>
<td>6-inches</td>
<td>12-inches</td>
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<td>99 PM 5165</td>
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<td>99 PM 5166</td>
<td>8-inches</td>
<td>16-inches</td>
<td>249 lbs.</td>
<td>$49.00</td>
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</table>

**$8.95 3-in.**

**SWIVEL BASE**

**$89.50**

**COMANDER ½-H.P. HEAVY DUTY SPRAYER**

- Powerful twin-cylinder air-cooled compressor. Maximum pressure, 50 pounds.
- ½-H.P. extra heavy duty motor. Efficient power at low cost.
- Two-gallon pressure feed tank maintains constant material supply.
- Mounted on heavily built truck, easy to move about.
- Pressure type gun with two tips and two air caps.

The COMMANDER has extra capacity, is extra hunky, gives a fine, smooth finish to all sorts of surfaces—on furniture, autos, building interiors, houses, trucks, and farm machinery. Also used for spraying insecticides and disinfectants. Will more than pay for itself in the service it gives and labor it saves! 4½ cubic foot. Twin cylinder air compressor. Pressure type gun has 1-quart aluminum paint cup, 2 tips, and 2 air caps. 15 foot, 2-ply pressure hose, and 10 foot electric cord. Feed tank has 15-foot air and 12-foot material hose. Uses 110-120 volt 60-cycle A.C. Over all size 24½ X 17½ in. An exceptional value in a heavy duty sprayer—one you cannot duplicate elsewhere. Shipped w.t. 140 lbs.

99 PM 5634—Complete as illustrated .............. $99.50
99 PM 5632—Two-Gallon Pressure Feed Tank, Complete with 15-ft. air hose and 14½-ft. material hose. Shipped w.t. 14 lbs. $9.45
99 PM 5639-12-ft. ¾-inch material hose. Shipped w.t. 3 lbs. $2.50

**$37.50**

**$89.50**

**ROSE TOOLS, INC.**
NEW CRAFTSMAN DE LUXE COMBINATION LATHE

• Heavy duty SKF sealed ball bearings in headstock.
• Finest quality steel spindle and ram have No. 2 Morse tapers.
• Capacity over 36 inches between centers; 10-inch swing.
• Modern design—metal working attachments available.
• Steel ways maintain alignment of head and tailstock.

This new CRAFTSMAN Lathe is of superior design, built of finer materials. Its great weight, sturdy construction and fine workmanship have already earned for it ready acceptance in professional wood working and pattern shops. The headstock spindle rotates on the finest SKF ball bearings, has a right hand thread inboard and a left hand thread outboard—therefore you can accomplish outboard turning of large pieces without reversing your motor or lathe drive. The head and tailstock spindles are fitted with fine accurately ground No. 2 Morse taper centers. The headstock pulley is indexed so work may be evenly divided or fluted. We know of no lathe in its size which approaches it for value!

99 PM 2022—CRAFTSMAN De Luxe 10x36 in. Lathe. Shipping weight, 130 pounds $23.95

9 P 2096—Sanding Table for use with DeLux Lathe above. Similar to No. 9 P 2251 illustrated on page 15. Table adjustable from 90 to 45 degrees. Shipping, wt., 5 lbs. $2.75

SPECIFICATIONS

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

Power Recommended: ½-H.P. See pages 38 and 39 for complete description and prices.

Compound Rest: Available. Exceptionally fine; mounted on traveling carriage. Makes it easy to produce highly accurate work. (See No. 9 P 2094 sold separately and listed as an accessory below.)

Headstock: New type; covers pulley and belt for added protection. Large size and careful design insure easy belt shifting to obtain correct speeds.

Tailstock: Fitted with accurately ground steel ram and an automatic knock-out device for removing the No. 2 Morse taper centers and arbors easily and quickly.

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

Tailstock Hand Wheel: Large size. Chromium plated; prevents rust.

Max. Center to Center Distance: Over 36 inches.

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

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

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

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

Hole Through Headstock Spindle: 7/8 inch.

Swing: 10 inches.

Over All Length: 56 inches.

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

Headstock Pulley: Indexed in 60 divisions.

Independent Chuck

Four sturdy reversible jaws Snugly grip objects of almost any shape. 4 inches in diameter. Fine quality—accurately ground. Shipping weight, 4 pounds. 9 P 2138 $4.85

Face Plates
Fit 1-inch 8-thread spindle. 9 P 2085—Diameter, 2 inches. Shipping weight, 2 lbs. $1.20

9 P 2086—Diameter, 6 inches. For metal or wood-working. Shipping weight, 6 pounds. $2.45

Lathe Centers and Arbors

No. 2 Morse taper shanks. Accurately ground and hardened. Finest quality. 9 P 2107—Spur Center

Shipping weight, 7 ounces. $0.65

9 P 2101—Cup Center

Shipping weight, 7 ounces. $0.65

9 P 2111—40-Degree Center

Shipping weight, 7 ounces. $0.65

9 P 2115—Screw Center

Shipping weight, 14 ounces. $0.95

9 P 2125—Arbor and ½-in.

Chuck. Shipping weight, 1 lb. 8 oz. $1.19

9 P 2163—Arbor for grinding, etc. Shipping weight, 13 ounces. $0.89

9 P 2165—Adapter Sleeve to change from No. 2 to No. 1 Morse taper arbor. Shipping weight, 5 ounces. $0.75

CRAFTSMAN Chisels and Gouges

Highest quality tool steel 4-in. blades. Carefully tempered; keep a keen edge. 8-in. handles. Shipping weight, 13 ounces.

Gouges

9 P 2850—1-in. wide. $0.59

9 P 2851—1 1/4-in. wide. $0.69

9 P 2852—1 ½-in. wide. $0.79

Round Nos. 9 P 2856—1-in. wide. $0.59

9 P 2857—1 1/4-in. wide. $0.69

Parting Tool 9 P 2858—1 ½-in. wide. $0.79

Skew Chisel 9 P 2861—1-in. wide. $0.50

9 P 2862—1 1/4-in. wide. $0.60

9 P 2863—1 ½-in. wide. $0.70

Spear Point 9 P 2864—1 ¼-in. wide. $0.59

Compound Tool Rest

New! Modern! The finest compound rest we have ever seen for a combination lathe. Mounted on a carriage having 6-in. travel. Angular travels, 21 1/2 ips; spoon feed travel, 5 ips. Feed collars and angular scale accurately graduated. Precision built. Shipping weight, 14 lbs. 9 P 2094 $14.95

24-Inch Tool Rest

Ideal for long work. With bed 24 in. long. Shipping weight, 12 oz. 9 P 2095 $2.95

COMPANION Slip Stone

Gives lathe tools a keen edge. 9 P 6454 $0.45

Page 11
CRAFTSMAN
9-INCH SWING
44-INCH BED
FOR WOOD OR

- Double bearing headstock insures long life and permits large diameters to be turned outboard.
- Accurately ground spindle.
- Special auto-lubricating bronze bearings.
- Headstock ball thrust bearing insures smooth operation.
- Hollow headstock with 3/8 inch hole, accurately ground to take No.1 Morse taper centers and arbors.

The Lathe That Sets the Pace...Value

Truly a Pacemaker...when it comes to UTMOST value in a lathe combined with a unique versatility that enables it to be used for wood or metal turning, you will make no mistake in selecting the CRAFTSMAN 9-inch Bench Lathe. It has the required capacity for most any job, due to its 9-inch swing and its 44-inch bed, with 30 inches between centers. It has the accuracy required for metal working for which it may be easily and economically converted through the purchase of a few low cost attachments.

Bearings are of the auto-lubricated 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 insuring greater life and accuracy. Longitudinal thrust is absorbed by the ball thrust bearing in the headstock. Tailstock may be set over for turning tapers.

It is equipped with self-ejecting center and ram lock. As pulley is mounted between headstock bearings you can do outboard turning with this lathe. The big, heavy bed is rigid and well braced. It is carefully machine from close-grained gray iron. Note particularly the large size, the extra weight and sturdy construction. It is a well thought out design and its many advantages make it a truly fine all-around lathe.

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

4-Jaw Independent Chuck
4-inch. Equipped with four reversible jaws that are rugged and well fitted. Supplied with a hexagonal key that is much easier to use than the square type. Supplied complete with back plate to fit our 9-inch CRAFTSMAN Lathe. Weighs 8 lb. and is a real value. Shipping weight, 4 pounds 4 ounces. 9 P 2156

High Grade Face Plates
4 P 2090—3/4-in. wood or metal working face plate, nicely machined and balanced, double threaded, for either end of spindle, wood or metal work. Shpg. wt. 1 lb. 15 oz. $1.35
4 P 2091—1-inch face plate with spurs, removable center and screw center. Shipping weight, 1 lb. 9 oz. $0.95

Compound Tool Rest
Precision built throughout! Feed collars graduated to one thousandth of an inch. Angular dial graduated to 180 degrees. Transverse feed, 5/64 inch; angular or longitudinal feed, 6 inches. Quality and value! (For tool bite and holders see Page 17). Shipping weight, 19 lbs. 4 oz. 9 P 2168

Quality Steady Rest
For supporting extra long work in lathe. Fitted with best quality brass jaws! Very essential when turning long slender pieces in the lathe. Very sturdy and convenient to use. Shipping weight, 3 pounds 10 ounces. 9 P 2170

Centers and Arbors
No. 1 Morse taper. Ground and hardened. Shpg. wt., each, 12 ounces. 9 P 2123—Tapered Chuck Arbor... $2.95
9 P 2106—Super center... $2.95
9 P 2110—60-degree center... $2.95
9 P 2100—Center... $2.95

Jacob's 1/2-Inch Chuck
For use on arbor 9 P 2123 at left. Extremely high quality throughout. These chucks are famous for their accuracy and long life. When fitted with arbor may be used either in lathe head or tailstock. Capacity 1/4 to 1/2-inch. Shipping weight, 2 pounds. 9 P 2142

18-Inch Tool Rest
Well made throughout. Built for long service. Well machined and nicely finished. Great convenience when making long turnings such as table legs or lamp spindles. Readily adjusted for height. Complete with bed brackets. 9 P 2173

Page 12
BENCH LATHE

METAL TURNING

$12.95

- Heavy gray iron bed, accurately milled and strongly webbed.
- Tailstock equipped with self-ejecting center, ram lock and set-over for taper turning.
- Four speeds ranging from 700 to 4000 R.P.M. — with jack shaft, 350 to 8600 R.P.M.
- Specially built headstock guarantees accuracy, rigidity and easy belt shifting for the various speeds required. Pulley indexed for dividing.
- Can be equipped for metal turning.
- Belt, motor pulley and accessories others charge extra for are included and make this lathe an even greater value.

VERSATILITY

The extra size and capacity of this lathe makes it well adapted to metal spinning. It's swing is large enough that it is unnecessary to place a gap in the bed which would handicap the metal worker in bringing the compound rest up close to the headstock for various other operations.


9 P 2250—Sanding Attachment. Fits on lathe bed with table adjustable for angle similar to No. 9 P 2251 illustrated on Page 15. Complete with bed bracket. Shpg. wt., 5 lbs. $2.75

Complete Metal Working Outfit

This fine metal working outfit includes our excellent CRAFTSMAN 9-in. swing lathe, an exceptionally high quality compound rest having collars graduated to one-thousandth of an inch, angular dial from zero degrees to 180 degrees, longitudinal feed of 6 inches and a transverse feed of 5/16 inches, complete with production type tool post, tool holder, six tool bits ground ready for use, wrenches, multiple speed jack shaft and sturdy 4-inch 4-jaw chuck, belt, pulleys and 60 degree center. Shipping weight, 93 pounds. 99 PM 2020—Complete Outfit. ............... $33.50

Lathe Bed Extension

A mighty handy accessory that allows you to turn out work of any desired length on your lathe. 15 inches long. Sturdy—well machined. Made of the same quality heavy gray iron as bed of 99 PM 2019 lathe above. Shpg. wt., 11 lbs. 9 P 2017 ............... $1.85

Sending Drum and Sleeves

The use of this drum on your lathe enables you to do a laborious sanding job in a hurry. Fits grading no. 9 P 2168. Diameter, 2-1/2 inches. Long, 2-1/2 inches. Shpg. weight, 1 lb. 2 oz. 9 P 2520—Sanding Drum ............... $0.98

Sanding Sleeves. Course, medium or fine. Grade grade. Shpg. wt., 2 oz. 9 P 2522—Sanding Sleeves. Course ......... $0.25

CRAFTSMAN Wood Turning Chisels and Gouges

Quality tool steel 4-in. blades. Carefully tempered, keep a keen edge. 8 in. handles. Shipping weight, each, 13 oz.

<table>
<thead>
<tr>
<th>Gouges</th>
<th>Width</th>
<th>Shipping weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 P 2850</td>
<td>1/4 in.</td>
<td>6 in.</td>
</tr>
<tr>
<td>9 P 2852</td>
<td>1/2 in.</td>
<td>6 in.</td>
</tr>
<tr>
<td>9 P 2856</td>
<td>3/4 in.</td>
<td>6 in.</td>
</tr>
<tr>
<td>9 P 2858</td>
<td>1 in.</td>
<td>6 in.</td>
</tr>
<tr>
<td>9 P 2862</td>
<td>1-1/2 in.</td>
<td>6 in.</td>
</tr>
<tr>
<td>9 P 2863</td>
<td>2 in.</td>
<td>6 in.</td>
</tr>
</tbody>
</table>

CRAFTSMAN Sharpening Stone

Highest quality vitrified stone. One side medium grit for fast sharpening. The other side fine for giving smooth edge. Size, 7x2x1 inches. Shipping weight, 1 lb. 6 oz. 9 P 6440—Sharpening Stone ............... $1.25

COMPANION Slips Stone

This slip stone will give your gouges and other round shaped tools a keen edge that will last through any kind of wood with ease. Medium fine grit. Shipping weight, 12 ounces. 9 P 6454—Slip Stone ............... 45¢

Bronze Bushed Jack Shaft Stand

Use this handy jack shaft stand to secure proper lathe speeds for metal working. Also useful on other tools for increasing or decreasing speeds. Belt holes are spaced identical with those found on motors, permitting it to be used on motor bases of machines, etc., for greatest convenience. Complete with pulley for aligning bearings. Shpg. wt., 6 lbs. 4 oz. 9 P 2494—Specify 4-in. 4-step pulley. ............... $2.45
Built to Handle Big Jobs

Realizing the need of the advanced and professional craftsmen as well as of thousands of schools, pattern shops and woodworking establishments for a very fine wood-turning lathe, we developed the now famous CRAFTSMAN Universal Heavy Duty Lathe, an outstanding engineering development. We set the price so low that any one can now afford to own this lathe! In buying it you save at least 50%. In addition, you get a lathe that you can convert to a precision-type metal turning and screw-cutting lathe 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 below, as in the best screw cutting lathe offered by any manufacturer near $100.00.

Great care is used in machining, assembling and testing this lathe. 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 husky 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, tools that are built for the hardest kind of constant service. They are the finest heavy duty bearings made and typical of the high quality of workmanship and material going into this fine tool. The spindle is 1½ inches in diameter and will pass a ¼-inch rod. The headstock pulley is accurately indexed.

The tailstock is heavy duty type, may be set over for tapers, and is fitted with self-ejecting No. 2 Morse taper cup center and coordinate ram lock.

THESE UNITS WILL CONVERT YOUR UNIVERSAL LATHE

Metal Turning Outfit
This is an outfit that is essential for use in metal turning and we recommend that you include it in your order when buying parts necessary to convert your universal lathe to a metal turning screw cutting job. Fine quality accessories at a money saving price. Consists of two No. 2 Morse taper 60-degree centers, tool holder, 2 tool bits, 1-in. dog and 6-in. face plate.

Shipping wt., 4 lbs. 12 oz. 9 P 2068 .... $5.95

Countershaft Assembly
A valuable addition to your lathe for metal working. Selection of 8 speeds: 170, 270, 430, 504, 680, 832, 1298, 2100. Low speeds are entirely practical for 2-in. cold rolled steel, 2½-in. cast iron or a 5-in. armature when used with the proper feed. Complete with fittings, ready to attach.

Shpg. wt., 24 lbs. 9 P 2072 .... $11.95

9 P 2074—Carriage and Rack Assembly. Carriage fitted with half nuts for later addition of lead screw. Has adjusting gib and locking gib. Shipping weight, 20 lbs. 10 oz. $12.95

9 P 2070—Carriage Compound Rest. Fitted with adjusting gib, accurately calibrated 180-degree protractor, screw feed collar calibrated for .001-in. feed. Shipping wt., 7 lbs. 9 oz. $9.65

9 P 2066—Carriage Plain Rest. An economical unit for jobs not requiring swivel feature. Shipping weight, 5 lbs. 8 oz. $4.95

9 P 2064—Tool Post complete, for use with plain or compound rests. Shpg. wt., 1 lb. $2.00

Lead Screw and Feed Gears. Used with 9 P 2074 carriage and rack assembly (and 9 P 2066 carriage plain rest or 9 P 2070 carriage compound rest) produces longitudinal power feed to carriage of .0087 or .0043 in. per revolution of spindle. Power feed produces much smoother cuts because the carriage advances a regular amount for each revolution of the spindle. Reverse feed mechanism included. Complete with fittings for attaching to lathe.

Shpg. wt., 16 lbs. 4 oz. 9 P 2060 .... $12.95
CRAFTSMAN
REC. U.S. PAT. OFF.

UNIVERSAL HEAVY DUTY LATHE

- Heavy, rugged, semi-steel bed; ways accurately ground and finely finished.
- Massive heavy duty headstock equipped with highest quality Timken dust-proof precision type roller bearings.
- Threaded hollow spindle, accurately machined for No. 2 Morse taper arbors and centers. Passes 3/4-inch rod.
- 4-speed pulley with 60-hole spindle inserting to fit corresponding 3-step change.
- Accurate spindle thrust adjustment.
- Heavy duty tailstock has exceptionally broad base. May be set over for turning tapers, has accurate witness mark, fitted with automatic center ejection and coordinate lock. Quill machined and ground for No. 2 Morse taper centers. Graduated along top.
- Wide speed range—575 to 2875 R.P.M. Countershaft and bevel gears give 16 speeds from 32 R.P.M. to 2100 R.P.M.
- Convertible for metal turning, screw cutting, milling, grinding, etc.

... Wood or Metal

The CRAFTSMAN Universal Heavy Duty Lathe is not only the finest wood working lathe we have ever seen but opens up entirely new fields. It grows with your shop! It actually gives you two lathes in one, because you can easily and economically add the necessary parts to your universal wood working lathe to convert it into a genuine precision type metal working and screw cutting lathe, doing so as is convenient and the need arises. All necessary holes for attaching these added parts are already drilled and tapped when you buy your Universal Lathe for wood working purposes.

The finer design, sturdier construction and exceptionally fine spindle mounted on heavy duty Timken bearings enable this lathe to handle metal spinning operations with greater ease than any other lathe we have ever seen.

INTO A PRECISE METAL-WORKING SCREW CUTTING LATHE

SPECIFICATIONS
Swing over bed: 12 1/2 inches.
Length, over all: 54 inches.
Height, over all: 16 inches.
Depth, over all: 7 inches.
Max. distance between centers: 36 inches.
Number of speeds: 4.
Speed range: 575, 1035, 1725 and 2875.
Tailstock set over: 3/4 in.
Indexed headstock pulley: 60 positions.
Hole through spindle: 3/4 inch.
Spindle nose is 1 1/4-in. 8 thread.
Headstock spindle has No. 3 Morse taper (with sleeve to No. 2).
Tailstock has No. 2 Morse taper in ram.
Tailstock ram travels 3 1/2 inches.
Tee rest length: 12 inches.

The CRAFTSMAN Universal Lathe is made for those who want the best, who prize fine tools and take pride in their ownership.

99 PM 2025 — CRAFTSMAN Universal Timken Bearing Heavy Duty Lathe complete with centers, belt, tee rest, wrench and motor pulley. Shipped, wt. 161 lbs. $399.00

Thread Gears and Chart. With gear box assembly, opens up whole new field of thread cutting possibilities. For cutting 4 to 80 threads per inch, left or right) including pipe threads. Shipping weight, 4 pounds 4 ounces.
9 P 2056 $5.95

9 P 2054 $4.25

Gear Guard Assembly. Offers maximum convenience and safety to operators. Complete with all fastenings and ready to attach. Shipping weight, 8 pounds 14 ounces.
9 P 2052 $5.50

Back Gears. For attachment to special Timken bearing headstock No. 99 PM 2025. With countershaft attachment, provides 16 speeds. Lowest speed, 32 R.P.M. Makes possible the greatest range and capacity of work for metal working lathe. All necessary parts and fittings are supplied to fit the drilled and tapped holes of 99 PM 2025 lathe. Instructions furnished. Shipping weight, 13 pounds.
9 P 2058 $11.95

Thread Chart and Chart. Simplifying thread cutting by indicating when to engage cutters. Provides spindle, shipping weight, 1 ounce.
9 P 2052 $5.50

Steady Rest. Brass jaw. Required; for long turnings; assists in maintaining accuracy. Shipping weight, 8 pounds 14 ounces.
9 P 2056 $4.25

Face Plates. 8 in. Clamping to 900 lbs., 2 anchor studs. Shipped, wt. 24 lbs. $13.25

[Diagrams and illustrations of lathe accessories]

Face Plates. Clamping to 900 lbs., 2 anchor studs. Shipped, wt. 24 lbs. $13.25

[More diagrams and illustrations of lathe accessories]

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

This lathe typifies the fine workmanship and design of CRAFTSMAN tools. Since it was first introduced it has gained steadily in favor of experienced lathe users. Thousands of these lathes are in daily use in factories, garages and homes. We believe it is so far superior to anything in its field that it will make many more new friends for the CRAFTSMAN name. We have used materials and machining methods on this lathe which are the best available. Each step in the manufacturing process is under strict control and rigidly inspected. Each individual finished lathe before it is shipped must undergo a series of tests designed to insure accuracy and satisfaction. Accuracy to .001 inch guaranteed.

We invite—we ask—that you compare this lathe, feature for feature, specification for specification, with any on the market. Note the fully adjustable tool rest, front and rear, with alignment screws. The 1½-inch diameter main spindle and the self-contained belt counterbalance and motor mount supplied as part of the MASTER CRAFTSMAN lathe and without additional cost.

Compare the specifications—we feel certain that if you want accuracy and precision combined with the most modern design, you will select the MASTER CRAFTSMAN lathe.

SPECIFICATIONS
Swing over bed: 25½ in.
Swing over carriage: 17½ in.
Maximum distance between centers: See table of bed lengths.
Length over all: 45 in. (42-in. bed).
Height over all: 19 in.
Depth over all: 23½ in.
Hole through spindle: 9¾ in.
Spindle nose: 1½ in. dia. 8 threads.
Taper in headstock spindle: No. 2 Morse, sleeve to No. 3 Morse.
Taper in tailstock spindle: No. 2 Morse.
Number of speeds: 99 PM 2028, 8; 99 PM 2030, 16.
Speed range: No. 99 PM 2028, 170, 270, 430, 550, 680, 830, 1260 and 2100.
Speed range: No. 99 PM 2030, 210, 320, 450, 650, 830, 1260 and 2100.
Speed range: No. 99 PM 2040, 320, 450, 650, 830, 1260 and 2100.
Speed range: No. 99 PM 2090, 450, 650, 830, 1260 and 2100.
Thread cutting range: 4 to 80, right and left hand.
Lead Screw: 8 Acme threads per inch.
Cross slide travel: 6½ in.
Compound rest angular travel: 2½ in.
Tailstock set over: 1½ in. Has witness mark and graduated ram.

Large line reamed high speed babbitt bearings. Finest quality hall thrust bearing. Husky back gears and heavy cored headstock. Guage to every detail that involves comparison.

Milling Attachment

Universal Tool Post Grinder
Grinds valves and cutters at any angle. Also pistons, bushings, reamers, valve stems, lathe centers. Underscrews micas. Complete with motor, external and internal grinding wheels, quill for internal grinding, 5 micas undercutting saws and diamond wheel dresser. Shipping weight: 24 lbs.

High Speed Steel Milling Cutters
Angular Type—Carefully ground and well made. For use with threaded adapter supplied with machine. No. 99 P 2994 listed at right. For face milling or dovetailing. Shipping weight, each, 8 oz.

Holding Collet
For straight shank milling cutters. Furnished with arbors, one to take threaded shank angular cutters, etc. Various wheel types. Provide excellent means of holding milling cutters firmly and rigidly. Burs in variety to close holes are required to use many types of cutters with wide capacity. Shipping weight, 7 pounds.

Reversing Switch
Essential when grinder is used on lathes. Permits changing direction of rotation of lathe spindle as will. Not for reproduction lathes. Shipping weight, 7 lbs.

Page 16
ROSE TOOLS, INC.

12-INCH SWING SCREW CUTTING LATHES
Set a New Standard of Accuracy... Design Smoothness... Power! Matchless in Value

- Countershaft is integral part of the lathe, a complete self-contained unit including motor mounting.
- Heavily reinforced semi-steel bed with precision-ground ways. Large box-type engine lathe legs insure firm foundation; heavy cross bracing prevents warping and resists torsional stress.
- Magnificently engineered semi-steel headstock with high speed line reamed babbitt bearings. Adjustable laminated shims. Equipped with heavy duty ball thrust bearing.
- Rugged semi-steel tailstock has set over for taper turning.
- Tailstock fitted with center ejector and co-ordinating ram lock, with ram graduated in sixteenths of an inch.
- Back gears are 13-pitch 3/8-in. face special type, giving power to spare. Fitted with lock and handy lever to bring gears into mesh.
- Non-slip V-belt drive with adjustable belt tension and release lever provides sixteen speeds. Belt tension may be adjusted in 5 seconds.
- Heavy semi-steel carriage has adjustable gib for take-up, positive lock, threading dial, etc.
- Compound rest swivels and locks at any angle and is graduated in one degree divisions from 0 to 180°.
- Gears furnished to cut all standard right and left hand threads from 4 to 80, including Vee pipe thread.
- Reverse gear controlled by convenient lever at left of headstock for quickly reversing lead screw. (See lever in guard.)
- Gears furnished to cut all standard threads to 80 per inch.

Over $50 Extra Charged by Others for
- Adjustable V-Belt Drive
- V-Belt Headstock
- 13-88 Thread Gears
- Thread Dia Dial Indicator
- Tool Holder and Bit
- Indexed Headstock Pulley
- Two-Speed Motor Pulley
- Graduated Tailstock Ram

All furnished without extra charge on the WASHBURN & CRANDALL Lathe.

The 12-inch swivel and high speed line reamed babbitt bearings are not available on any lathe near our price.

HEADSTOCK: Semi-steel, precision milled and machined. Bearings filled with special high speed line reamed babbitt, head mounted on bed. Bearings are bored and lined reamed in a massive precision fixture which establishes precise accurate alignment, for accuracy. Be sure the lathe you buy has such fine babbitt filled bearings with double screw caps as used on the world's finest tools.

BED: The heavy bed is given a rough milling cut, seasoned thoroughly, milled and ground to a fine accurate surface, checked for accuracy, finished and finally rechecked with Brown & Sharpe surface plates. Care that assures you accuracy and satisfaction.

SPINDLE: Finest special alloy steel. Fitted with ball thrust bearing. Special machining operations guarantee accurate threading and concentricity of bore.

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

Sears lead again—bringing the finest of lathes into home, school, and professional shops. This lathe has all the quality features that have made our regular No. 99 P 2030 the leader in its field PLUS new ideas never before offered in a lathe at this price. DeLuxe fittings throughout. Equipped with specially selected Timken tapered roller bearings for the highest accuracy and longest life.

These bearings are specially selected to maintain the alignment of the main spindle to the very closest limits. They will carry very heavy loads at slow speeds and yet operate perfectly at high speeds. The finest bearings we could secure, the type used in large machine tools selling for thousands of dollars. For those who want the best, Belt guards completely cover the headstock and insure safety to the operator. They may be readily raised to change speeds. A lathe of the finest quality, be sure to see it before you make your purchase.

99 PM 2032—Complete with selected Timken tapered roller bearings, guards and countershaft drive. Size, 35 in.

- STANDARD
  - 35 in.
  - 24 inches
  - 250 lbs.
  - $110.00
  - 35 in.
  - 256 lbs.
  - $115.00

- Bed Length
- 35 in.
- 235 lbs.
- $90.50

- Motor Size
- 35 in.
- 276 lbs.
- 125.00

- Follower Rest
  - 9 P 2114
  - Shipped weight, 1 lb.
  - $1.50

- Crotch Center
  - 9 P 2113
  - Shipped weight, 1 lb.
  - $1.50

- Face Plate
  - 9 P 2077
  - Shipped weight, 1 pound 2 ounces.
  - $3.50

- Drill Press
  - 9 P 2187
  - Shipped weight, 1 pound 2 ounces.
  - $1.50

- 8-Pt. Tool Post Tool Set
  - 9 P 2188
  - Shipped weight, 1 pound 2 ounces.
  - $3.95

- Spindle Nose Chuck
  - 9 P 2150
  - Shipped weight, 1 pound 2 ounces.
  - $4.25

- Steady Rest
  - 9 P 2123
  - Shipped weight, 1 pound 2 ounces.
  - $2.25

- Lathe Dogs
  - 9 P 2183
  - Drop forged. Size, 35 in.
  - $9.00

- 6 Formed Tool Bits
  - 9 P 2010
  - Shipped weight, 1 ounce.
  - $2.35

- 5-in. Universal Scroll Chuck
  - 9 P 2125
  - Shipped weight, 1 ounce.
  - $16.75

- 8-in. 4 Jaw Individual Chuck
  - 9 P 2148
  - Shipped weight, 1 pound 2 ounces.
  - $9.45

- 6-in. 4 Jaw Individual Chuck
  - 9 P 2129
  - Shipped weight, 1 pound 2 ounces.
  - $9.45

- 8-in. 4 Jaw Individual Chuck
  - 9 P 2148
  - Shipped weight, 1 pound 2 ounces.
  - $9.00

Page 17
The Finest Tool of Its Kind Ever Built
For Factories, Plumbers, Electricians and Craftsmen

There has long been a demand for a power hack saw of this high quality. The price of such a tool has always been beyond the reach of the general user. By close cooperation with the manufacturer, careful design and thorough testing we have produced it to sell at a price that is amazingly low. Fully automatic in its action it permits you to complete other work while it accurately finishes its job unattended. A draw cut machine with an automatic relieving mechanism, it lifts the blade from the work on the return stroke increasing blade life and efficiency. Feature for feature, quality for quality this saw can only be compared with saws selling for several times its price. Shipping weight, 80 pounds.

99 PM 2294—Power Hack Saw .................. $19.95
9 P 6580—CRAFTSMAN 12-in. Power Blades. 14 teeth to the inch. ⅝ inch wide. Shpg. wt., 1 lb. 2 oz. Per dozen ............. 89c

**COMPANION**

**POWER HACK SAW**

- Fine design. Draw cut with blade lifting mechanism increases blade life.
- Easy loading. Whole saw frame raises, leaving vise fully accessible.
- Heavy construction. Built to give years of reliable service. Blades last longer.

**SPECIFICATIONS**

SAW FRAME: Takes any standard 12-inch blade. Massive steel guide. Raises completely out of the way when inserting the work.

SAW FRAME GUIDE: Heavy solid steel. Frame is fitted with long life, ribbed, adjustable back plate.

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

GEARS: Fine quality gray iron. Accumulated by guard.

VISE: Stationary jaw has lock and swivel. Movable jaw swivels to fit work and makes quick action rach with lock.

BEARINGS: Finest quality bronze; extra large and long lived.

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

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

ACTION: Draw cut; blade raises on return stroke.

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

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

ANGLE OF CUT: Vise adjustable from 0 degrees to 45 degrees.

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

**COMPANION**

**ELECTRIC SPOT WELDER**

- Plugs in like lamp cord—no special wiring needed.
- Capacity: 2 pieces 20-gauge (⅝ in. or lighter) soft steel, sheet iron, or ⅜-in. wire.
- Consumes only a small amount of current and only at instant of use.
- Operates on 110-volt 60 cycle A.C. only. Can be furnished for 220-volt A.C. on special order.
- Equipped with safety fuse.

The handiest tool you ever saw for quick repair jobs and for all-around light spot-welding—no shop is complete without this COMPANION Electric Spot Welder. You can weld 20-gauge soft steel, thin iron or ⅜-inch wire—no flux, acid or welding wire needed. With this machine you can make aquariums, bird houses, lamp shades, signs, toys, model-builders’ knives, bird cages, etc. Turns out perfect welds with ease. Complete with foot pedal control.

99 P 2000—COMPANION Electric Spot Welder, complete, less stand. Shipping weight, 36 pounds .................. $22.95
9 P 2000—Butt Welding Attachment for welding wire, extension shanks on drills, etc. Not illustrated. Shpg. wt., 6 lbs. 2 oz. ................ $6.75
99 P 2002—Steel Stand, drilled and fitted for above welder. Disassembled for shipping. Shipping weight, 10 pounds .................. $3.15
COMPANION UTILITY DRILL

a General Purpose Tool

- Universal motor for 110-120 volt A.C. or D.C.
- Spindle speed, approx. 1500 R.P.M.
- Triple reduction gears; give extra power.
- Ball bearing end thrust.
- Has pistol grip and toggle switch.
- Takes drills up to 1/2 inch.

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

$9.95

COMPANION "PENCIL" DRILL

a Close Quarter Tool

- Dynamically balanced Westinghouse universal type motor.
- High quality ball thrust bearing on chuck spindle sealed in oil.
- Reducing gears accurately made of finest alloy steel, carefully heat treated.
- No load speed, 1900 R.P.M.
- Genuine Jacob's chuck takes straight shank drills up to 1/2 inch.

A handy lightweight drill with a removable handle that permits you to get into the most cramped quarters. Ideal for any job requiring a high quality light weight drill. Finely finished, accurately balanced—a handsome tool that you'll be proud to own, one that'll 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, 11-1/2 inches. Complete with handy toggle switch and 8-foot rubber covered cord and plug. Shipping weight, 4 pounds 8 ounces.

$17.25

CRAFTSMAN HEAVY DUTY BALL BEARING DRILL

- Dynamically balanced Westinghouse heavy duty universal motor.
- Armature and chuck spindles run on oversize ball bearings, sealed in oil.
- Heavy double pole trigger switch.
- Spindle, gear and pinion are chrome nickel steel, accurately made and heat treated for great strength and long life.

Designed to have plenty of surplus power. We guarantee it will not stall when used with maximum size drill specified below. One of the finest electric drills made regardless of price. Operates on 105-120 volts A.C. or D.C. Fitted with genuine Jacob's key chuck, and 3-conductor rubber covered cord with plug. Over all length, 13 inches.

Cat. No. | Size Drill | No Load Speed | Ship. Wt. | Price
--- | --- | --- | --- | ---
99 P2580 | 1/4 inch | 2000 R.P.M. | 10 lbs. | $29.95
99 P2581 | 1/4 inch | 1500 R.P.M. | 10 lbs. | $34.95

CRAFTSMAN 1/2-Inch DRILL

An Outstanding Value

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

Has all the features and more power than is found in ordinary drills selling for much more. A fine tool built by a manufacturer of long experience and best reputation. Has strong, handsome aluminum alloy housing. Self-lubricating "oilite" bearings. Ball thrust bearing. Westinghouse motor operates on A.C. or D.C. currents, 110-120 volts. Complete with 1/2-inch, Jacob's chuck and key, 10-foot 3-conductor rubber covered cord and plug. Length, 16 inches over all. Shipping wt., 14 lbs.

$29.90

9 P2593-1/2-Inch Grinding Arbor for use with electric drills (Do not use with wheels larger than 4-inch diameter.) Shipping weight, 9 ounces.

CRAFTSMAN Extra Heavy Duty BALL BEARING PRODUCTION DRILL

- Westinghouse extra heavy duty universal ball bearing motor, dynamically balanced.
- Highest quality alloy steel spindle, runs on heavy duty ball bearings sealed in oil.
- Equipped with Jacob's key chuck.

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

Cat. No. | Size Drill | No Load Speed | Ship. Wt. | Price
--- | --- | --- | --- | ---
99 P2586 | 1/4 inch | 250 R.P.M. | 23 lbs. | $58.50
99 P2587 | 1/4 inch | 475 R.P.M. | 23 lbs. | $62.50

Page 19

ROSE TOOLS, INC.
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THOUSAND USES

FLEXIBLE SHAFT OUTFIT

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

HEAVY DUTY PORTABLE SHAFT OUTFIT

One of the finest Heavy Duty Flexible Shaft Outfits ever designed for the garage, auto repair shop, or wherever an exceptionally sturdy tool is required. Heavy 66-in. shaft is made with rubber covered steel casing that is permanently grease tight. High tensile steel wire core is ¾ in. in diameter. Motor and jack shaft are supported by husky steel yoke which locks in any position instantly. Height is adjustable to suit work. Equipped with 76-A.P. COMPANION ball bearing 110-120-volt A.C. motor having speed of 3400 R.P.M. The step cone pulleys and adjustable headstock provide a wide range of speeds. Hand piece spindle revolves on high grade Timken bearings. In every detail a quality outfit that will handle heavy work with ease. Shipping weight, 165 pounds.

99 P 2475—Flexible Shaft Outfit shown above, with 7½-ft. flexible shaft and accessories, but without motor.
99 PM 2476—Flexible Shaft Outfit as above, complete with COMPANION 1½-H.P. ball bearing motor. Shipping weight, 66 pounds.

$18.95
$27.70

BE PURCHASED SEPARATELY

<table>
<thead>
<tr>
<th>Shop. Wt.</th>
<th>Price</th>
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<tbody>
<tr>
<td>9 P 6487</td>
<td>Floor Waxing Brush, 6-inch</td>
</tr>
<tr>
<td>9 P 6490</td>
<td>3½ inch Wire Cup Brush</td>
</tr>
<tr>
<td>9 P 5257</td>
<td>6½ inch Tampico Brush</td>
</tr>
<tr>
<td>9 P 2445</td>
<td>Ball Bearing Headstock similar to No. 9 P 2407 except fitted with heavy duty high speed ball bearings. For use with Standard and High Speed Shafts. Shipping weight, 2 lbs. 12 oz.</td>
</tr>
<tr>
<td>9 P 2637</td>
<td>Heavy Duty High Speed Ball Bearing Head Piece, much heavier than No. 9 P 2500 for use with both Standard and High Speed Shafts. Shipping weight, 1 lb. 8 oz.</td>
</tr>
</tbody>
</table>

$9.95
$6.45
$4.95
$4.95
$3.25

Heavy Duty Flexible Shaft

Heavy duty shaft only for attachment direct to any ¾-inch 3450 R.P.M. motor shaft. Fitted with Timken bearing hand piece and work arbor at one end and motor coupling at the other. Shipping weight, 10 pounds.

$15.95

Low Priced Portable Unit

The heavy duty Flexible Shaft Outfit can also be made up in an economical unit as shown at the right from parts listed on this page. Motors on page 30.

$14.95

Page 21

ROSE TOOLS, INC.

THOUSAND USES

FLEXIBLE SHAFT OUTFIT

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

HEAVY DUTY PORTABLE SHAFT OUTFIT

One of the finest Heavy Duty Flexible Shaft Outfits ever designed for the garage, auto repair shop, or wherever an exceptionally sturdy tool is required. Heavy 66-in. shaft is made with rubber covered steel casing that is permanently grease tight. High tensile steel wire core is ¾ in. in diameter. Motor and jack shaft are supported by husky steel yoke which locks in any position instantly. Height is adjustable to suit work. Equipped with 76-A.P. COMPANION ball bearing 110-120-volt A.C. motor having speed of 3400 R.P.M. The step cone pulleys and adjustable headstock provide a wide range of speeds. Hand piece spindle revolves on high grade Timken bearings. In every detail a quality outfit that will handle heavy work with ease. Shipping weight, 165 pounds.

99 P 2475—Flexible Shaft Outfit shown above, with 7½-ft. flexible shaft and accessories, but without motor.
99 PM 2476—Flexible Shaft Outfit as above, complete with COMPANION 1½-H.P. ball bearing motor. Shipping weight, 66 pounds.

$18.95
$27.70

BE PURCHASED SEPARATELY

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<td>9 P 2445</td>
<td>Ball Bearing Headstock similar to No. 9 P 2407 except fitted with heavy duty high speed ball bearings. For use with Standard and High Speed Shafts. Shipping weight, 2 lbs. 12 oz.</td>
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<tr>
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Heavy Duty Flexible Shaft

Heavy duty shaft only for attachment direct to any ¾-inch 3450 R.P.M. motor shaft. Fitted with Timken bearing hand piece and work arbor at one end and motor coupling at the other. Shipping weight, 10 pounds.

$15.95

Low Priced Portable Unit

The heavy duty Flexible Shaft Outfit can also be made up in an economical unit as shown at the right from parts listed on this page. Motors on page 30.

$14.95

Page 21

ROSE TOOLS, INC.
ROSE TOOLS, INC.

CRAFTSMAN HEAVY DUTY SHAPER

The Finest Made! For Expert Shaping! Sanding! Jointing!
- Ball bearing spindle is fully adjustable and reversible.
- Sturdy, well ribbed table, nicely machined. Size, 14 x 10 inches.
- Heavy gray iron sub-base and frame.
- Latest approved type guard.
- Dust chute directs chips away from operator.
- Rugged adjustable motor bracket.
- Fence equipped with micrometer adjustment, insures accurate adjustment and permits shaper to be used as a jointer.

When we state that this heavy duty shaper is the finest tool of its kind we mean just that! None of the copies of this fine tool possess its sturdy accuracy or excellent design. The thousands sold attest to its popularity. The finest of precision-type ball bearings for mounting the spindle insure smooth operation. Spindle speeds of 8,000 to 10,000 R.P.M. give best results. Spindle accommodates cutters with 5/16 or 1/2-inch hole. A turn of the ball crank lever on the side of shaper raises or lowers spindle for obtaining various types of cuts. Solid one piece steel spindle fitted with special safety lock may be operated in either direction. Table has groove for miter gauge and round metal insert for use with large cutters or sanding drum. Spring hold downs. Laminted wood-faced fence is of most advanced type; rugged, accurate and fully adjustable. Use 1/2-H.P. motor, 99 P 5617. See page 39.

99 PM 2312—Heavy Duty Shaper, sub-base and motor bracket, without motor, but with motor pulley, adjustable fence, "V" belt, spring hold downs and 72-page fully illustrated book of instructions. Shipping weight, 60 pounds. $16.95

99 PM 2311—Heavy Duty Shaper, complete with 1/2-H.P. ball bearing motor, sub-base, motor bracket. 72-page fully illustrated book of instructions. "V" belt, guard, guide and spring hold downs. See main illustration at top of page. Shipping weight, 92 pounds. $32.95

99 PM 2310—Same as above but less motor, sub-base and motor bracket. Illustrated at left. Shipping weight, 47 pounds. $14.95

9 P 2465—Extra cutter lock nuts for use with any of the above shapers. Also fit all standard 1/4-in. arbors and spindles. Shipping weight, 1 ounce. Each. $5.00

Quality Cutters at Lowest Prices

When ordering cutters, please note that the prices given are for the cutter only. The motor arbor is an additional charge. All cutters are made to fit 1/4-inch arbor, except the 1/2-inch arbor, which is used on the model 99 PM 2312.

9P2319 9P2321 9P2323 9P2326 9P2327 9P2329 9P2331
9P2333 9P2335 9P2336 9P2338 9P2339 9P2342
9P2344 9P2366 9P2351 9P2354 9P2356 9P2359 9P2362 9P2364 9P2368
9P2367 9P2360 9P2361 9P2362 9P2363 9P2364 9P2365

Using use of tongue and groove cutters 9P2365.

Showing how patterns may be obtained from 1 style of cutter.

Patterns produced by a lamp-cutted.
COMPANION DRILL PRESS

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

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

A highly useful tool in any shop. Its fine design, quality construction and smooth operation have built for it an enviable reputation. 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 lubricated 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 $1.50 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 1/2-in. 3-jaw chuck, less motor. Equipped with motor bracket. For idler drive add $1.50 to selling price and specify "Idler Drive." Shipping weight, 70 pounds.  $13.50

99 PM 2373—Same as above but with COMPANION ¼ H.P. 110-volt 60-cycle ball bearing motor. Shipping weight, 102 pounds.  $23.25

99 PM 2369—Same as 99 PM 2378 above but fitted with ¾ to 1¾-in. capacity Jacobs chuck. Shipping weight, 70 pounds.  $16.95

9 P 2371—Belt and idler assembly only for lineshaft drive. (No credit for return of old motor or bracket.) See 99 PM 2378 above for cost as original equipment. Shipping weight, 6 lbs.  $3.25

SPECIFICATIONS


COMPANION Drill Press equipped with idler assembly

HOLLOW CHISEL MORTISING

Cut mortises quickly with perfectly square male or drill square in line with female equipment. Includes: Complete mortising attachment, state size. 9 P 2420—Hollow Chisel, Sizes, 1/4 to 3/4, in. Shipping weight, 3 oz.  $1.39

9 P 2422—Mortising Bit, Sizes, 1/4 to 3/4, in. Shipping weight, 3 oz.  $1.19

COMPANION Drill Vise

Increase the range of work your drill will handle with this high quality vise. Priced at about one-third what is usually asked for similar quality vises. Strongly built. Complete with two extra jaws, one for round or irregular work and swivel block jaw for tapered pieces. Oxidized, non-rusting finish. Cut screws with knurled end for fast action and bar for locking. Over all length, 10½ in. 2½ in. jaws open 3 in. Extra jaws included. Practically indispensable in handling tapered pieces and round objects such as pipe, rod, etc. Shipping weight, 5 pounds. 9 P 2436— $1.98

COMPANION Twist Drills

Finest quality, American made twist drills. The product of master drill makers. Seven sizes in each set: 1/8, 5/64, 3/64, 1/32, 5/64 and 3/32 in. Shipping weight, 6 oz. 9 P 6686—Set of 7 High Speed Steel Twist Drills. Particularly recommended for use with drill presses and electric drills.  $1.09

9 P 6685—Set of 7 High Carbon Steel Twist Drills.  $0.80

HOLD-DOWN GUIDE AND BRACKET

This accessory is indispensable in mortising, as it prevents the work from being lifted when chisel is raised. Adjustable guide insures straight line mortises. Shipping weight, 6 lbs. 9 P 2457—Hold Down Guide and Bracket for Mortising.  $1.50

Page 23
The CRAFTSMAN Drill Press not only produces fine moldings, square or rectangular holes, dovetail joints, etc., when used with the correct attachments, but it performs all of its many operations more accurately, more smoothly and with greater ease. Its better design and finer construction guarantee this accurate, smooth and easy operation for years to come.

You will find illustrated below a number of accessories designed to widen the range of usefulness of your CRAFTSMAN Drill Press. Among them are routers—mortising routers, dovetail routers, router carving bits, etc.—cutters, spring hold downs, new type bronze bearing guide collars, etc. You can actually produce more than 50 different shapes of molding edges with Sears high quality cutters, all carefully manufactured so as to enable your drill to perform extra services and turn out the professional type of work which brings joy to the true craftsman. You will make no mistake in selecting the CRAFTSMAN Drill Press for your shop. We believe you will find it the most useful tool you own... inexpensive, versatile and a real favorite among your power tools.
DRILL PRESS
Value Than Ever Before!

- Full floating spindle—belt pull is transmitted to head by means of large, deep-groove TWO-ROW SKF ball bearings.
- ½-in. spindle mounted in quill by means of two more sets of precision SKF ball bearings, absorbing all spindle thrust.
- Special guide construction eliminates rotational play in quill.
- Drills to center of a 12¾-inch circle.
- Smooth, uniform feeding assured by heavy ground steel quill with integral accurately cut teeth.
- Accurate indexed swivel table can be tilted to any angle.
- External depth gauge equipped with knurled lock nuts and is graduated in sixteenths of an inch.
- Base is machined to serve as auxiliary table.
- Equipped with ½-in. to ½-in. genuine Jacobs's key chuck.

SPECIFICATIONS

Over all height: 36 inches.
Over all width: 20½ inches.
Over all depth with motor: 24 inches.
Chuck: Jacobs geared type, ½ to ½-inch capacity.
Maximum distance, table to chuck jaws: 11 inches.
Spindle travel: 3 in. Spindle has splined drive.

Table travel: 11 inches.
Distance, chuck to base: 15½ inches.
Bearings: Deep groove SKF, 3 sets, 4 rows of bearings.
Steel column diameter: 2½ inches.
Number of speeds: 9.
Speeds: 600, 160, 90, 1000, 1300, 1500, 1800, 2400, 3300, 4000, 5200 R.P.M.
Table size: 8 by 9 inches.

Built throughout of the finest materials, with all parts accurately machined. From the tip of its spindle to the carefully machined base it represents top-notch value. The genuine Jacobs's chuck supplied as standard equipment is the most accurate obtainable. You can easily convert this press into an efficient spindle shaper. It may also be used for mortising, routing, sanding and dovetailing with equally fine results.

No drill has ever offered a drill press with full floating ball bearing spindle at this low price. Three heavy duty deep groove S.K.F. ball bearings are used. The drive pulley is mounted on a heavy steel sleeve which is accurately fitted into a heavy duty double row SKF ball bearing which in turn is securely anchored in the main frame of the drill press. The complete spindel assembly is entirely independent of the spindle. Two rows of bearings in the pulley bearing and two large single row SKF ball bearings in the quill provide 4 rows of ball bearings in this fine tool. This construction insures a smooth, even flow of power from the motor to the spindle, and represents a real advance in securing smooth, accurate operation at all speeds. All spindle thrust is absorbed by two SKF ball bearings which carry the spindle within the quill. This quill is made of solid steel, accurately milled in it, with a centrally adjustable stop gauge indicates at all times the depth of holes being drilled.

The Right Speed For Every Job

Autopoles have been driven with the speed of a car. A new speed of 1000 R.P.M. has been added to the CRAFTSMAN Drill Press. This range of speeds is over 6000 R.P.M. A new speed of 1500 R.P.M. has been added. A speed of 1000 R.P.M. is ideal for all kinds of work, high speeds for carving, shaping and sawing. Three speeds 0 to 1400, 2500, 3850 R.P.M. are below 1000 R.P.M. and 11000 R.P.M. This range of speeds assures you of a finer result than can be obtained from any other machine. Only 6 speeds are above 1000 R.P.M. and 11000 R.P.M. and are all standard CRAFTSMAN tools, all others.

6 Spined Drive Spindles

Simplified Tapered Spindles

Dovetailing Attachment

Hold-Down Guide

Hollow Chisel Mortising

Indispensable in mortising as it prevents the work from being lifted when chisel is raised. Adjustable to control position of mortise. Keeps the work lined up and mortises straight. A variety of drill press tables are furnished with the required drilling attachment. The centers, equipped with the best precision tools, are accurately aligned. The axis of the chucking block and the drill are aligned. The head guide bracket is easily adjustable, and is designed to hold a large drill or other cutting tools for mortising. The end of the mortising block slides through a guide which prevents the work from being lifted when the chisel is raised. The mortising block is adjustable to accommodate any size or shape of work. The chisel is held in place by a spring clamp.

$24.95
Less Motor
$33.70
With Motor

99 PM 2385—Same as above but with ½-in. H.P. ball bearing double shaft motor No. 99 P 5697. See page 39. Shpg. wt. 32 lbs. $33.70
A DRILL PRESS EQUIPPED WITH FOUR SETS OF THE FINEST BALL BEARINGS

A drill that sets a new standard of quality, smooth operation, fine design and rugged construction. The leader among finer tools. Yours at Sears low price—with a guarantee that’s become famous over 50 years.

For the man who wants only the very finest of power tools and is satisfied with nothing less than . . . for the shop having a production problem that only a really high grade drill press will solve . . . we recommend the CRAFTSMAN High Quality Heavy Duty Drill Press.

A desire for quality, the highest quality, something better than had ever been produced before was the motive force which prompted the design of this fine new CRAFTSMAN Drill Press.

Sears demanded a finer, more stable, more accurate, better balanced drill press than was available. It was therefore necessary for Sears engineers to design and develop such a drill press. An intensive study of drill press problems made it evident that none of the existing types of construction would relieve the major and fundamental troubles encountered in all current tools.

These investigations revealed the fact that the truly major difficulties encountered in all these drill presses could be traced to the undesirable forces imposed by the belt upon their spindles.

Lateral thrust from the motor and driving belt produces the bending moment or stress which is responsible for the various disagreeable vibrational characteristics common to all conventional drills. Therefore Sears mounted the driving pulley on a heavy tubular steel spindle which was supported on two sets of heavy duty deep row ball bearings in the drill head—entirely independent of the spindle. This unit absorbs all lateral thrust and transmits only a rotational force to the spindle. The spindle is also mounted in two sets of heavy duty deep row ball bearings within the quill as shown in the illustration on the page at the right. Be sure the drill you buy incorporates these fundamentally necessary features!

Accurate manufacture, fine balance of rotating parts, precision grinding of sliding parts such as the quill, etc., and careful assembly make this drill an especially fine tool. Produced by an old established manufacturer of highest quality precision equipment it represents a truly unusual value.

The drive spindles of these drills are splined in the same manner as the drive-shaft of your automobile. They are also provided with an accurate, easily read depth gauge graduated for the entire 4-inch feed range in 1/10-inch divisions. The depth gauge is also provided with knurled stop nuts. A very efficient quill lock holds the quill securely for routing and carving operations. Table is carefully machined and may be tilted to any desired angle.

Nine speeds, from 600 to 5200 R.P.M. are available. Included as regular equipment is a high quality Jacobs chuck with key. (If the 0 to 1/4-inch capacity is desired it is available on special order at an additional cost of $1.00 for any model.)

When you order a CRAFTSMAN Heavy Duty Drill Press you get the finest power tool that money can buy in the drill press field. Built for real service, correctly built in every detail. Order yours TODAY. Use 3/4-H.P. Motor 99 P 5607; see Page 39.

SPECIFICATIONS

| Over all height: 71 in. | 99 PM 2392 CRAFTSMAN Floor Model Drill Press, less motor, Shpg. wt., 160 lbs. | $35.00 |
| Over all width: 18 in. | 99 PM 2393 CRAFTSMAN Heavy Duty Floor Type Drill Press, less motor, Shpg. wt. 181 lbs. | $34.00 |
| Over all depth: 50 in. | 99 PM 2439 Same as above but with COMPANION 1/4-H.P. Ball Bearing 50-120 volt, 60 cycle A.C. motor. Shipping weight, 181 pounds | $43.75 |

Page 26

Proper Drill Speed Available for Every Kind of Work

Ordinary drill presses have from 4 to 7 speeds ranging from slightly over 500 R.P.M. to about 5000 R.P.M. The low speed is too high for 1/4-in. carbon steel drills when machining metals. The top speed is not fast enough if much shaping or carving is to be performed.

Drill presses called "slow speed" have a low speed of about 400 R.P.M.—not much slower than the regular drills.

The CRAFTSMAN drill press may be fitted with our patented multi-speed attachment which will provide 21 different speeds ranging from 200 R.P.M. (half the speed of ordinary slow speed drills) to over 14000 R.P.M. See chart above.

Of these 21 speeds 8 are below 1000 R.P.M. and take care of slow speed requirements. There are 12 more speeds between 1000 R.P.M. and 14000 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 its customers' requirements and to supply them with better tools.
DRILL PRESS

"Floating Drive"

- Equipped with genuine 1/2-inch Jacobs key chuck.
- Perfectly balanced automobile type splined drive spindle transmits a smooth even flow of power.
- Spindle drive pulley is mounted on steel sleeve which rotates on two S. K. F. 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 deep row heavy duty ball bearings.
- Heavy duty quill lock is of type used on most expensive machines; positive in action.
- Graduated depth gauge is milled flat and prevents rotational play in quill.
- Now "Feather Touch" locking device secures head to column practically without effort.
- Table may be tilted to any desired angle.
- Longitudinal adjustment provided for between spindle and quill. Quality construction.
- Heavy steel tube column, 2 3/4-inch diameter, carefully machined and ground.
- Table and base are slotted for securing mortising and shaping attachments, jigs, fixtures, etc.

SPECIFICATIONS

Over all height: 41 inches.
Over all width: 11 3/4 inches.
Over all depth: 24 inches.
Maximum distance from table to chuck jaws: 13 in.
Maximum distance base to chuck jaws: 19 inches.
Spindle: travel, 4 inches, 5 automobile type spindles.
Diameter of column: 2 3/4 in.

Chuck: 1/4, 1/2-in. Jacobs.
Table travel: 13 inches.
Number of SKF heavy duty ball bearings: 4.
Number of speeds: 9, 600, 1000, 1300, 1800, 2400, 3200, 4000 and 5200 R.P.M.
Table size: 10 x 10 in.
Drills to center of 15-inch circle.

99 PM 2387—CRAFTSMAN Bench Model Drill Press, with motor pulley, belt and 1/2 to 3/4-in. Jacobs chuck. Shipping weight, 105 pounds ........................................ $29.95
99 PM 2388—CRAFTSMAN Bench Model Drill Press, with motor pulley, belt and 3/8-H.P. 110-120 volt, 60 cycle A.C. motor. Shipping weight, 133 lbs. .................. $38.70
99 PM 2394—Speed Reducer to convert above drill into slow speed model. Shipping weight, 5 lbs. ................. $4.95

Hollow Chisel Mortising

For fine cabinet work and joinery. Can accurate mortises quickly with perfectly square ends, or drill square holes. 9 P 2461—Mortising chisel for drill press with 3 1/4-in. shank. Shipping weight, 6 oz. $1.60
9 P 2462—Mortising chisel for use with 9 P 2461 attachment. Shipping weight, 6 oz. $1.50
9 P 6459—Stone for sharpening plane blades. Shipping weight, 2 oz. $1.25

Dovetailing Attachment

By using the attachment shown above you can cut dovetails that make perfect joints because you cut both members simultaneously. No special skill is required. Attachment consists of a steel comb, slotted to guide shaper of router cutting to a predetermined depth. End planes together with screw fittings for attaching the above guide or comb and clamps for holding the router are included in the outfit.

9 P 2430—Extension Table for spindle shaper. With guard and spring clips. Size, 1 1/2 in. x 18 in. Shipping weight, 17 lbs. $6.95
9 P 2435—Shaping adapter for 3/4-in. bore cutters. Shipping weight, 7 oz. $9.25

Shaping Attachment

You can convert your CRAFTSMAN Drill Press into a spindle shaper by inverting the head bracket and motor assembly, placing the new and improved extension table over it. This new type shaping attachment can also be used with the drill head in its normal position. For detailed illustration of guard and guide and for cutters of various shapes see Page 24.

9 P 2462—Dovetail attachment. Set complete with router and instructions. Shipping weight, 4 pounds 1 ounce. $4.50

CRAFTSMAN Twist Drills

Finest quality, American made twist drills. The product of master drill makers. Seven sizes in each set: 1/64, 1/32, 1/16, 5/64, 3/32, 7/64, and 1/4 in. Shipping weight, 6 ounces.

9 P 6686—Set of 7 High Speed Steel Twist Drills. Particularly recommended for use with drills presses and electric drills. $1.69
9 P 6685—Set of 7 High Carbon Steel Twist Drills $0.95

COMPANION Drill Vice

Increases the range of work your drill will handle. Strongly built. Oxidized, non-rusting finish. Accurately cut screw with knurled end for fast action and bar for locking. Complete with 2 extra jaws for round or irregular work and swivel block jaw for tapered pieces. Particularly valuable when drilling small pieces which are hard to hold. Overall length, 10 1/4 in. 2 3/4 in. jaws open to 3 in. Taper and swivel jaws are included. Shipping weight, 5 pounds.

9 P 2436—.1.98

Page 27
COMPANION

4¼ in. JOINTER-PLANER

The enthusiasm with which our customers have received this new jointer has resulted in large volume production. This large volume permits us to use expensive machines and tools to produce a much finer jointer at a price within the reach of all. It gives woodworkers a greater degree of safety and accuracy than ever before achieved in a jointer-planer at anywhere near this low price. Do not confuse this large 4¼-inch machine with lighter 4-inch tools. No tool of this quality sells within $5.00 of our price. Net weight, 38 pounds.

The carefully ground tables operate on accurately machined ways that insure perfect relationship of both tables for all depths of cut. Total length of tables, 21¾ inches. Guard need never be removed even for rabbing. It can be lowered and swung under the rabbiting ledge out of the way. Can be swung back to normal position instantly. Front and rear tables adjustable. The fine quality auto-lubricating bearings are unusually large. New fence regulating mechanism permits quick adjustments for angle cuts. Oversize 4¼-inch steel cutter head easily handles 4-inch lumber in the rough. A tool that will give you years of fine service.

Shipping weight, 44 pounds.

99 PM 2287 $12.95

CRAFTSMAN

IMPROVED BALL BEARING

4¼ in. JOINTER-PLANER

- SOLID STEEL 4¼-inch cutter head runs in accurately fitted SKF ball bearings that are fully enclosed and dust-proof.
- Greatly improved fence design—position and angle adjustment are accurate and operate independently of each other.
- Rugged gray iron frame is carefully designed, well machined, finely finished and exceptionally strong and rigid.
- Three high speed steel cutters keep their keen edge for surprisingly long periods.
- Depth of cut easily adjusted and shown on accurate scale. Both tables adjustable.

Smother! More accurate! Greatly improved fence! Built for the expert craftsman who wants accuracy and convenience of adjustment. Exceptionally fine finish. Highest quality. Ball bearing construction with a finer type of fence. The entire fence and tilting mechanism may be moved laterally across the table by the screw feed mechanism, without affecting in any way the angle at which it may have been set. See detailed view in inset above. Carefully ground tables slide on ways that are machined to close limits for permanent accuracy. Both tables are adjustable. Over all length, 24½ inches. Width, 9½ inches; height, 8½ inches. Guard can be lowered and swung under rabbiting ledge to permit rabbiting operations. It can be swung back to normal position instantly. Shpg. wt., 74 lbs.

99 PM 2285 $19.50
ROSE TOOLS, INC.

CRAFTSMAN
REG. U.S. PAT. OFF.

6-INCH HEAVY DUTY JOINTER-PLANER

Heavy Duty Precision "SKF" Ball Bearings

SPECIFICATIONS


BEARINGS: Finest quality heavy-duty SKF ball bearings enclosed in dust-proof housings insure unrivaled accuracy and long life.

CUTTER HEAD: Made of solid steel, 6 inches long, 2½ inches diameter, with knife slots ground in the shape of inverted wedges; ensures accurate and positive holding of knives.

BASE: Heavy gray iron, strongly ribbed with finely milled dovetail ways and adjustable gibbs.

FENCE: Full 28 inches long, 4 inches high. Made of fine quality gray iron, precision ground. May be tilted either way by means of geared mechanism, the degree of tilt being clearly indicated on quadrant. An outstanding feature of this fence is that it may be moved as a unit across the table.

GUARD: Ingeniously designed and quick acting. Provides full protection to the operator. It retracts from its closed position as work is fed to the cutter, the knife thus being covered either by the guard or by the work at all times. May be dropped to one side of the table for the operator to operate the machine.

OPERATING SPEED: 4500 R.P.M.

DIMENSIONS: Length, over all 37 in. Height, over all 13 in. Width, over all 13 in. Rabbing capacity up to ¾ inch depth of cut.

PROTRACTOR DEPTH GAUGE: Indicates position of front table at all times. Movement of table is magnified by pointer, thus insuring closest accuracy.

- Heavy gray iron frame. Accurately milled, ground, faced and polished. Extra large base.
- Solid steel cutter head, 2½ inches in diameter.
- Heavy duty SKF ball bearings enclosed in dust-proof housings. Will give lifetime service.
- Full 5/8-inch diameter steel shaft. Accurately machined. Fitted with balanced pulley.
- Equipped with geared type fence. Large, quick-acting guard. Accurate depth of cut scale.

The entire tool is made extra-heavy to insure smooth operation and accuracy. Complete protection is furnished the operator by a cast aluminum guard of the automatic type, which keeps knives covered either with guard or work. If you want the very utmost in accuracy and dependability in a heavy-duty jointer for your shop, this is the one to buy. Motor required, ½ to ½-H.P. See pages 38 and 39.

Complete with geared fence, high speed steel knives, pulley, motor pulley, belt and 72-page instruction book. Shipping weight, 160 pounds.

99 PM 2288 $42.50

Jointer Knives
Made of finest quality, high-speed tool steel. Will hold a keen edge longer than most knives. Set of three, for jointer 99 PM 2288.

Shipping weight, 4 ounces.

9 P 2292 $2.70

COMPANION Machine Stand
Use this all metal machine stand for mounting your heavy-duty jointer. Has 10x34-inch top, height, 31 inches. Handy shelf for tools. Exceptionally strong and rigid. See page 40 for complete description. Specify 10X34B31-inch size.

Shipping weight, 36 pounds.

99 P 2719 $4.95

COMPANION Tool Light
Use this handy light with your jointer. Extra large reflector guarantees ample light where you want it, on your work instead of in your eyes. Has 15-inch flexible neck, reflector and cord and plug. See page 2 for full and complete description.

Shipping weight, 1 lb. 12 oz.

9 P 2264 $1.45
ROSE TOOLS, INC.

**CRAFTSMAN**

**BELT AND DISC SANDER**

**Finest Tool of Its Kind**
- Disc sanding table is universally adjustable.
- Beautifully finished frame of semi-steel.
- Oversize auto-lubricated bronze bearings.
- Disc sander finishes concave portions of work which cannot be reached by belt sander alone.
- Belt sander mounts horizontally or vertically, as desired.
- Disc sander table tilts to any angle up to 45°.
- Quick acting belt adjustments are sturdy and accurate. 4-in. rubber covered rollers.

**Amazing Quality at this Price**

One of the most versatile tools in Sears big Power Tool line! The disc sander table is adjustable to 90°, enabling you to do extremely accurate sanding of mitered edges. The sanding table also is adjustable to position, and may be used on either right or left side of sanders, or at end of machine. It may be tilted to any desired angle and securely locked in position. Belt sander can be used horizontally or vertically at any intermediate angle. Extra long bronze bearings on the main arbor ensure long life and smooth operation. All spindle bearings are of the auto-lubricated type which effectively prevents abrasive material from damaging the spindles. We cannot emphasize too strongly the extremely high quality of this tool. Note the expensive universal bearing mechanism provided for adjustment of front roller, provided with positive locks and steel bearing seals. Such design insures you without question the most for your money. We designed it to do the work of machines selling for much higher prices. It has ample capacity for the small shop or craftsman. We recommend 1/2-H.P. motor 99P5865, shown on page 39. Recommended operating speeds: 1200 to 1800 R.P.M. Only those who own this type sander know its great utility. It performs a great variety of laborious hand operations with ease. Its price and quality cannot be matched! Complete with 8-inch abrasive disc, 4-inch belt and instructions. Shipping weight, 42 pounds.

**$12.95**

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

**COMPANION Machine Stand**
All-metal machine stand. Has 10x21x1 in. base for mounting your combination disc and belt sander. Sturdy, strong and rigid. Specify 10x21 in., 2-lb. base. Ship wt., 1 lb. 15 oz. 99P2719...$4.25

**COMPANION Tool Light**
Extra large reflector thrown light on your work and reduces glare in your eyes. Has 1/2-in. flexible neck, reflector and cord and plug. See page 2. Ship wt., 1 lb. 15 oz. 99P2264...$1.45

**$24.90**

**CRAFTSMAN BELT AND DISC SANDER**

**SKF Ball Bearings**
- Has four highest quality, dust-sealed ball bearings.
- 12x4-in. adjustable disc sanding table. Lifts 90° to 45°. Quadrant indicates angle.
- 12x4-in. sanding table under belt supports the 8x36-in. table above belt which tilts 90° to 45°, has indicator and stop.
- Surfaces panels up to 13 inches in width.
- Either upper or lower surface of sanding belt may be used—lower surface for stroke sanding operated with pressure block furnished.
- Abrasive belt speeds: 1050, 1760, and 3100 feet per minute.
- Distance between pulley centers is 18 inches.
- Over all length, 26 in.; over all height, 18 in.

Here's a belt and disc sander that will handle all kinds of surface jobs—boxes, trays, etc., before or after assembly! Will surface wood, metal, moulded plastics, fibre, cork, bone, etc. Will sand mitered edges with extreme accuracy.

You get smoothest kind of operation from this carefully balanced machine. Heavy drive shaft running on dust-sealed ball bearings assures years of trouble-free performance. Heavy cast iron base gives stability. Pulleys are accurately balanced aluminum die castings 5 inches in diameter. Idler pulley alignment easily controlled by means of pivoted bracket with knurled adjusting and lock nuts. Belt tension varied by cushion spring control. This feature, quality materials and fine workmanship make this CRAFTSMAN Belt and Disc Sander very efficient. Priced low—it's a real value!

For ordinary work we recommend 1/2-H.P. motor, 1750 R.P.M. For heavy work, 3/4-H.P. motor, 1750 R.P.M. Recommended operating speeds: 750, 1350, and 2275 R.P.M. With 10-inch abrasive disc, 4-inch sanding belt. Order today—you'll turn out finished surfaces in a few minutes that would take hours by hand! Shipping weight, 85 pounds.

99P2210...$24.90

**Abrasive Discs**
- Package of 6 assorted fine, medium and coarse sanding discs. Shipping weight, 9 ounces. 9P2206—Pkg. of 6. 59c

**Abrasive Belts**
- Fine, medium or coarse. State grit wanted. For use on wood or metal. Shipping weight, each, 4 ounces. 9P2211—Each. 49c

Page 30

ROSE TOOLS, INC.
CRAFTSMAN JIG SAW

"BALANCED ACTION" FULL 14-IN. THROAT

- Extra heavy "bridge truss" type frame.
- Perfectly balanced action reduces vibration; permits finer, faster cutting.
- Dustproof oiltight crankcase.
- Extra long bearings, carefully fitted.
- Built-in sawdust blower keeps work clean and cutting lines visible.
- Cuts light or heavy material.
- Blade vises turn through 90 degrees for cutting or ripping extra-long pieces.

This jig saw has proven a most popular tool... one adaptable to all kinds of jig saw work. Included in its construction are many features to be found only on expensive saws. The remarkable popularity of this CRAFTSMAN Jig Saw proved that thousands of home craftsmen wanted such a tool!

Built strong enough for professional work—that's why it handles the usual run of homecraft jobs so easily. Scroll sawing, jig sawing, pattern making, toy building and a hundred similar types of work are easily handled by this fine machine! You can use jig or fret saw blades in it, from 3 to 6 1/2 inches in length.

At its recommended speed of 800-1000 R.P.M. this tool is remarkably smooth and efficient. Fitted with 9x9-inch tilting table that is adjustable from 0° to 45°. Accurate scale gives precise angle of tilt. If you want to saw copper or aluminum, as well as wood—go ahead. With the proper blades you can handle metals as easily as wood! Nothing skipped—nothing omitted that would make the saw work better, do more, last longer. All in all it's the finest medium sized jig saw you've ever seen!

We know you'll want one for your shop. Fully illustrated 72-page book of instructions included.

Shipping weight, 35 pounds.

99 P 2261.......................... $10.95

View Showing Table Tilted
Table is adjustable from 0° to 45° degrees. Note the rugged table support and the graduated scale which shows exact angle of tilt.

Power Tool Accessories... the finest you can buy!

Because of the leadership enjoyed by Sears in the power tool field—a leadership gained by designing and building QUALITY TOOLS ONLY—we have made it our policy to offer only the highest quality accessories for these tools. As a result of this wise policy you can order any accessory for your shop from Sears secure in the knowledge that you are getting the finest of its kind that it is possible to obtain—at a substantial saving in price. Any power tool, no matter how expensive it may be or how carefully designed and built, is at the mercy of some comparatively inexpensive accessory. Should such an accessory fail at a crucial time it may mean lost profit, work spoiled, time wasted. Belts that slip or break—set screws that fail to hold—little things that are not the finest obtainable—are a poor investment. When you buy accessories at Sears you get SATISFACTION. You will find the accessories listed in this book are built to the highest standard, that they will give long, trouble-free service and operate with a saving of power. Sears accessories are not only the best but they save you money.

14-Inch Jig Saw on Machine Stand

By mounting your jig-saw on this machine stand and adding a tool light, (page 2), you have an ideal combination for fine, efficient work! Note the size of the stand leaves room for the motor also. A compact, complete working unit! See page 40 for full description of machine stand.

| Catalog Number | Thickness, Inch | Width, Inch | No. in Pk. | Type | Length, Inch | Teeth per Inch | Price
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Non-Warping 3-Ply Wood

Excellent for either jig saw or panel use. Three large pieces of fine quality plywood, each approximately 1/4-inch thick, 18 inches wide, and 24 inches long. Smooth finish. Easy to handle and cut, will not crack or split. Non-warping. The kind preferred by most jig saw craftsmen. Shipping weight, 5 pounds 4 ounces.

9 P 2924.......................... 89c

Page 31
ROSE TOOLS, INC.

BEYOND ALL DOUBT THE FINEST JIG SAW YOU CAN BUY!

- Cuts to center of 48-inch circle and handles material up to 4 inches thick.
- Universal chuck takes blades of every size and type up to 1/2 inch width.
- Driving mechanism runs in bath of oil, providing positive and adequate lubrication.
- Adjustable upper guide permits of use of blades from 5 1/2 inches long up to 14 inches or more in length.
- Roller guide is mounted on hardened steel pins. May be installed on under side of table for saber sawing.
- Upper arm is removable, providing unlimited capacity.
- May be equipped to perform dovetailing, mortising, shaping, carving and routing operations.
- Powerful sawdust blower is built into head. Direct stream of air on work at all times.
- 12 x 12-inch table fitted with soft metal insert.
- Table tilts to 45 degrees, with degree of tilt clearly indicated on accurate quadrant.
- Operates at 4 speeds for varying types of work: 1750, 1295, 926 and 644 R.P.M.
- Blade vises and blade may be revolved through 90 degrees to rip long pieces.

SPECIFICATIONS

TABLE: Made of heavy gray iron, precision ground, provided with soft metal insert around blade. Insert is removable for use of machine files. Table is provided with threaded holes in the 12 x 12-inch top for attaching shaper fence used with high speed router attachment. In addition to tilting 45° to right or left, table may be tilted 4° front or back, an advantage in die filing, marquetry and pattern work.

BASE: Heavy gray iron base, streamlined, and unusually rigid. Combines maximum strength with minimum weight. Section where upper arm is attached is carefully ground for accuracy. Base is provided with slots for attaching motor.

ARM: Beautifully designed to harmonize with base and made of close grained gray iron, accurately machined to fit base and also at small end to hold standard head or router assembly. Built to insure absolute minimum of vibration. Arm may be swiveled to right or left for dovetailing with router. Arm is readily removable, being held in place by two bolts. A knurled pin securely locks arm in normal sawing position.

THROAT: Full 24-inch capacity, even when sawing material which is a 4 inches thick.

STROKE: 1-inch. By means of adjustment in the head, blades from 5/4 inch to 12 1/4 inch or more in length may be used.

This big, powerful, 24-inch CRAFTSMAN Jig Saw was designed for real production work. It has truly remarkable flexibility in that you can do much of your work on it. It has the rugged strength combined with careful, conscientious manufacture that enables it to keep going all day long, day after day. It has a wide range of speeds, which is important for the many kinds of work which this tool readily performs. It works equally well with the smallest fret saw blade and with blades a full half inch wide. You can also use machine files in the CRAFTSMAN Jig Saw. It will saw nonferrous metals easily and accurately. Mechanically it is as close to perfection as possible. In every detail it reflects the care, the designing skill and the accuracy that distinguish Sears Power Tools. Read the features and specifications. Note the versatility of this saw, with its various attachments. Order one! You'll find it the best power tool investment you ever made!

High Speed Router Attachment

One of the most remarkable features of the CRAFTSMAN 24-Inch Jig Saw is that it will accommodate high speed router attachment which takes the place of the regular head on the extension arm. This attachment is a complete unit in itself—a vertically mounted ball bearing motor which operates at 17,000 R.P.M. and is carried in a rugged housing which encases the steel ball and ball bearing spindle. The motor and quill unit may be raised or lowered by a hand wheel or by foot treadle connected to unit by cable. With this high speed router attachment you can do the most intricate sort of routing, carving and grinding, as well as shaping, mortising and tenonizing. You can add a dovetail jig and router at small cost and also do perfect dovetailing. In short, there is scarcely an operation that can be handled on the most expensive production machine which you cannot handle as well with the CRAFTSMAN 24-Inch Jig Saw.

Carving Cutters for Use With High Speed Router

Accurately made high speed cutters of smooth quality tool steel. For use with High Speed Router Attachment for CRAFTSMAN 24-Inch Jig Saw.

- Round Nose
- Half Round
- Liner
- 3/4-Inch Cutter Shank
- 45c
- Button Drill
- Hook Tool
- Straight Face

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<td>Straight Face</td>
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Page 32

ROSE TOOLS, INC.
JIG SAW
Capacity

$23.50
Less Motor
$32.25
With Motor

needed for production work

Here's the new leader in the jig saw field. Comparison will render it to you as a worthy leader in quality, style, workmanship, design, versatility and mechanical excellence. This big 24-Inch CRAFTSMAN Jig Saw has everything any jig saw ever had and MORE! It has many features NO OTHER SAW EVER HAD.

Beautifully streamlined base and detachable arm! Note how the motor is tucked away below the table level. Note that the saw operates at 4 speeds without shifting motor... that it has a positive action piston type blower built into the head... a canvas boot on the lower guide... a completely enclosed crankcase with all moving parts constantly running in an oil bath... universal chucks that hold every type of blade, at any desired angle, from zero to 90 degrees... a carefully machined gray iron table 12 inches square!

Note also that you can use saber blades and machine files on this versatile saw... that you can add a high speed router attachment that will enable you to do carving, routing, shaping and mortising... that you can tilt the table not only to the right or left but to the front or back as well.

So carefully designed and accur-
ately built that it is practically vibrationless. Both crank shaft and drive pulley are perfectly balanced.

Order it today—utilize its power and versatility for the hardest sort of work. You'll find that we haven't told you half the story of its high quality and performance. Complete with 4-step drive pulley, 4-step motor pulley, belt, and 72-page fully illustrated book of instructions.

99 PM 2262—CRAFTSMAN 24-Inch Jig Saw, without motor. Shipping weight, 104 pounds...

99 PM 2267—CRAFTSMAN 24-Inch Jig Saw with 1/2-H.P. ball bearing COMPANION 110-120-volt, 60-cycle A.C. Motor. Shipping weight, 122 pounds...

99 PM 2266—CRAFTSMAN 24-Inch Jig Saw with 9 P 2260 Router Head and attachments, 10 x 3 x 1-inches machine stand and 1/2-H.P. KENMORE 110-120-volt, 60-cycle A.C. Motor. Illustrated lower left side opposite page. Shipping weight, 191 pounds...

9 P 2268—Rip Fence and Front Supporting Bar with fitting to attach through holes ready drilled in jig saw table. Shipping weight, 8 pounds...

9 P 2252—Special Replacement Belt, 13/2 x 8 in. Shipping weight, 4 ounces...

FOR BLADES SEE PAGE 31

Easy Terms: On Orders of $20 or More, See Inside Front Cover.

Machine Files for Jig Saw Use

Use these handy files in your CRAFTSMAN 24-Inch Jig Saw to replace tedious hand filing. Made of special file steel and will give superior service. Have 3/4 inch shanks. Shipping weight, each, 1 ounce.

9 P 2237—Square File...
9 P 2238—Round File...
9 P 2742—Half Round File.
9 P 2739—Pillar File...
9 P 2740—Crochet File...
9 P 2741—Square File...

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


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

Handy Fast Saw Attachment—for extra fine fast saw work. 2 special files and blade guide. Slips into 3 oz.

9 P 2269...

Page 33
COMPANION POLISHING OUTFIT

Handiest of all small tools for home and shop. This handy 7-piece outfit will quickly and efficiently sharpen tools, remove rust or paint, grind and polish metals, and may also be used for drilling. The set includes the polishing head, height, over all, 6 1/2 in.; 1/4 inch chuck; clamping collars; 4 x 4 1/2 inch vitrified grinding wheel; 4 in. wire wheels, one coarse and one fine; a 6 inch cloth buffer and cake of buffing compound.

9 P 2869—Complete Polishing, Grinding and General Utility Outfit. Shipping weight, 4 pounds 10 ounces ................................. $2.25

9 P 2871—Polishing Head only, less chuck. Shipping weight, 3 lbs. 12 oz. 69c

9 P 2130—3/8 in. Chuck only. Shipping weight, 5 ounces ... 23c

COMPANION BRONZE BEARING Polishing Head

An exceptionally fine polishing head in the No. 4 size. Equipped with long life bronze bearings. Rugged gray iron frame. Can be driven from below or behind. Well made tough steel spindle, threaded at both ends. High quality collars. V-type pulley, 1 1/4 inch diameter. A bargain at this price.

Shipping weight, 3 pounds 12 ounces. ................................. 96c

COMPANION De Luxe Polishing Head

A heavy duty head with a surplus of strength for the hardest jobs! Designed to permit driving from below or behind. Semi-steel frame. Selected steel spindle, 1/4 inch in diameter, threaded at both ends to take wheels up to 3/8 inch wide. Fine quality long life bronze bearings; high grade 3-jaw chuck with capacity up to 3/8 inch. V-type pulley, 2 inch diameter. Over all height, 8 3/4 inches. Strong, well-made clamping collars, cut from solid steel, insure straight, true running of wheels. One of the finest polishing heads on the market! Shipping wt., 8 lbs. 4 oz.

9 P 2875 .......................... $2.45

COMPANION 4-Inch Bench Grinder

This grinder makes it easy for you to keep your tools bright and sharp! Close grained gray iron frame, specially designed so that grinder may be driven from above, below or behind. Selected steel spindle, 1/4 in. in diameter, turned down to 1/2 inch to fit all standard wheels, accessories and collars. V-type pulley, 1 1/4 inches in diameter. Two 4 x 4 1/2 inch wheels, one coarse, one fine. Husky oversize clamping collars grip wheels firmly. Solidly built tool rests give steady support, yet are easily adjustable. A grinder made to give satisfaction at a low price! Order yours today!

Shipping weight, 6 pounds 2 ounces. ................................. 1.95

9 P 2600

COMPANION 6-Inch De Luxe Grinder

A grinder that provides the added production capacity of 6-inch wheels plus a heavier, oversize frame. Plenty of clearance to handle large work. Full 6 1/4 inches between the wheels. Close grained gray iron frame, well ribbed. Spindle is 9/16 inch in diameter, turned down to 3/4 inch to fit standard wheels and accessories. Heavy, extra-long bronze bearings. Adjustable gray iron guards. Equipped with sturdy adjustable tool rests for most efficient operation. Two high quality 6-inch wheels; one coarse, one fine. Grinder may be driven from below or behind. A fine, carefully made tool.

A new sturdy design that is exceptionally rugged and smooth in operation. Shipping weight, 15 pounds.

9 P 2618 .......................... 4.95

CRAFTSMAN HEAVY DUTY Ball Bearing Industrial Grinder

One of the finest belt driven grinders ever built! Every part is accurately made and has the extra strength demanded by extra-capacity work. Runs with exceptional ease and smoothness on highest quality fully enclosed ball bearings, shielded from dust and abrasive particles. Built to handle awkward grinding jobs. Plenty of clearance around the wheels. Measures 12 1/2 inches long over all—9 inches between wheels. Two-step pulley permits adjustment of speed to the kind of material being worked upon. The heavy, well-machined spindle is designed to accommodate the thrust which heavy grinding imposes upon it. Streamlined hooded frame covers drive pulley. Heavy, easily adjustable tool rests. Strong gray iron wheel guards. Two high quality 6-inch by 1-inch grinding wheels; one coarse and one fine. Carefully machined clamping collars insure grinding wheels running straight and true. Balanced construction 2-step cone pulley. A quality product in every respect, yet remarkably low in price. Compare prices. See what you save at Sears. Shipping weight, 9 lbs.

9 P 2601 .......................... 7.50
COMPANION ¼-H. P. GRINDER
Outstanding in Value

• Two 6x¾-inch vitrified grinding wheels—one coarse; one fine. Removable and adjustable wheel guards. Adjustable tool rests.
• Sturdy, selected steel mandrel turned to ½-inch at wheels.

The smooth-running ¼-H.P. ball bearing motor has ample power. The big 6-inch high quality grinding wheels, ½-inch wide, cut fast and clean. The finely balanced rotor revolves on fully enclosed ball bearings protected from abrasive dust. Large, sturdy wheel collars maintain wheel alignment. Sturdy tool rests provide steady surface for work. Adjustable for clearance with wheel. The well-made guards are removable for polishing and buffing operations. With 6-ft. cord and plug. Shpg. wt., 4½ lbs.
99 P 2605. $12.95

COMPANION 10-inch WET GRINDER
Ideal for Sharpening Woodworking Tools

A fine low priced grinder for the home workshop, farm or factory. Ruggedly built for years of service. Quickly sharpens finest tools or knives without danger of drawing temper. Equipped with highest grade natural grindstone, 10 inches in diameter with 1½-inch face. Adjustable tool rest. Stone rotates in bath of water. Built-in jack shaft for reducing speed. Bronze bearings. Easy, smooth and quiet running. You’ll pay more elsewhere for this high quality. Fitted with V pulleys, jack shaft and belt. Shipping weight, 34 pounds.
99 P 2620. $6.95

CRAFTSMAN HEAVY DUTY ½-H. P. BENCH GRINDER

• Two 7x1-inch grinding wheels—one coarse; one fine. Shatterproof glass shields. Adjustable tool rests.
• Detachable water basin for cooling work.
• Small diameter of motor permits work to be ground across face of machine—more room to operate.

A heavy duty bench grinder that’s the biggest value we have ever seen for shops and garages where speed and extra safety are required. Will handle any grinding or sharpening job. Carefully balanced grinding wheels insure quiet, efficient operation. Heavy base for stability. Large, accurately machined collars give wheels perfect alignment at all times. (For sturdy heavy gauge cabinet for this grinder see Page 5.) 6-ft. cord and plug. Shpg. wt., 60 lbs.
99 P 2609. $29.95

HOWARD Vitrified Grinding Wheels
Accurately faced and balanced. Furnished with any size hole up to 1 inch. State diameter of wheel and hole size. Shipping weight, 4-inch wheels, 1 pound 2 ounces; 6-inch, 2 pounds 4 ounces.
9 P 6402 - 4½-inch, Medium grit...35¢
9 P 6402 - 4½-inch, Medium grit...39¢
9 P 6402 - 6½-inch, Coarse grit...65¢
9 P 6402 - 6½-inch, Coarse grit...69¢

Steel Wire Scratch Wheels
Carefully made and accurately balanced. 4-inch size has 1-inch Arbor hole, 6-inch has ¾-inch Arbor hole. State diameter of wheel and hole size. Shipping weight, 4-inch size, 5 oz.; 6-inch, 10 oz.
9 P 6480 - 4-in. Coarse...35¢
9 P 6480 - 4-in. Coarse...39¢
9 P 6480 - 6-in. Coarse...45¢
9 P 6480 - 6-in. Coarse...49¢

Buffing Wheels
Best quality buffing wheels of 20 thicknesses of muslin carefully bleached and securely sewed. Cloth material faced with cotton. Specify diameter.
9 P 6490 - 4-in. Small Shpg. wt., 2 oz. Ea. 12¢
9 P 6490 - 4-in. Small Shpg. wt., 2 oz. Ea. 12¢
9 P 6490 - 6-in. Fine...45¢
9 P 6490 - 6-in. Fine...49¢

Buffing Compound
Used with buffing wheels to produce lustrous satin finish on metal. May also be used for natural wood finishes. Also excellent for polishing catalin and other plastics. A superior grade that will satisfy you. Shpg. wt., 14¢
9 P 2876 - 6 oz.
9 P 2876 - 6 oz.
9 P 6486 - 49¢

Tampico Brush
A handy wheel around the shop and one for which you will find many uses. High quality tampico bristles. Fitted with sturdy balanced steel center. A real value at this price. 6-inch diameter, 1½-inch hole. Shipping weight, 8 ounces.
9 P 6486 - 49¢
**COMPANION METAL WORKING, MODEL MAKER'S LATHE**

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

**Jack Shaft Stand**

Metal working requires a wide range of speeds for various kinds of metals, also slower speeds for larger diameters and faster speeds for small diameters, etc. Secure these speeds with this fine self-aligning bronze bearing jack shaft. Specify 3-in. 3-step pulley when ordering. Shpg. wt., 6 lbs. 4 oz.

9 P 2494 ........................................ $2.45

**Electric Glue Pot**

$3.69

A necessity in every shop. A new and finer glue pot of dependable construction. Here's the latest in design and construction, with features that save you time and trouble. No more adjusting for temperature or refilling a water pot, for a thermostat automatically controls the heat. Heating element of new design and high quality is completely embedded in asbestos for utmost safety and long life. Polished aluminum with blue-enameded gray iron frame. One pint capacity. Six feet of cord and unbreakable rubber plug. Listed by Underwriters. Stir wire included. For 60-cycle, 110-120-volt A.C. only. Shpg. wt., 6 lbs. 8 oz.

9 P 2892 ........................................ $3.69

**Floating Motor Rails**

Makes it possible to drive several different tools using one motor. Simply secure the tool to the floating motor rail. Shpg. wt., 2 lbs. 50c

9 P 2275 — Floating motor rail
9 P 2277 — Floating motor rail clips. Shipping wt., 8 oz. Per pair, 20c

**Adjustable Motor Rails**

Instantly adjustable... easy to install... instantly adjustable... easy to use! Simply fasten rails to base of motor, attach clips to bend top as shown above, right. A turn of the wing nut on clip grips motor rails tightly when belt tension is just the way you want it. Loosen wing nut, and motor with attached rails slides out for other positions, for use on other machines, behind which similar clips have been mounted to receive the motor with rails. Beveled edges on rails and clips do the trick. Complete with necessary bolts, etc.

9 P 2280 — Motor rails complete as shown. Shipping weight, 1 lb. 12 oz. 50c

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

Here is the lathe thousands of craftsmen have longed for—a fine design, almost every feature of the highest priced lathes—suitable for wood or metal working—requires only a small amount of space—operates quietly. It has so many fine qualities that we cannot enumerate them all.

This lathe is ideal for those having only a limited amount of space or those whose work will not exceed 6 inches in diameter or 18 inches in length. The price is by far the lowest ever made on such a tool and while not as accurate as the large metal working lathes, its many adjustments make it possible for the operator to secure much more accurate work than has ever been possible with this smaller type lathe. A fine tool for the model maker and those who are interested in making accurate small parts. Shipping weight, 28 pounds.

99 P 2021—COMPANION Model Maker's Lathe .................. $10.95

**Accessories for use with the Model Maker**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 P 2788</td>
<td>Matched motor pulley. 3-step 1/4-in. bore. Shipping wt., 1 lb.</td>
<td>.50c</td>
</tr>
<tr>
<td>9 P 2137</td>
<td>6-in. a-jaw independent chuck. Shipping wt., 3 lbs.</td>
<td>$3.10</td>
</tr>
<tr>
<td>9 P 2106</td>
<td>No. 0 Morse taper spur center. Shipping wt., 3 oz.</td>
<td>$.45</td>
</tr>
<tr>
<td>9 P 2109</td>
<td>No. 0 Morse taper cup center. Shipping wt., 3 oz.</td>
<td>$.45</td>
</tr>
</tbody>
</table>

For tool bits see 9 P 2205, page 17; sanding disc, 9 P 2239 on pages 20-21.

**CRAFTSMAN WOOD CARVING TOOLS**

$1.95

A set of five finely finished wood carving tools with 1/4-inch handles, 25-inch blades. With these tools you can make an infinite variety of wood carvings. The blades are forged from a fine quality of steel, heat treated with the utmost care to take and hold a razor keen edge. Complete set of 5 tools attractively boxed; includes one each of the following: 1/8-inch bent gouge, 1/4-inch bent chisel, 1/8-inch O tool, 3/4-inch straight chisel and a 1/4-inch veining tool. Shipping weight, 13 ounces.

9 P 2899 ........................................ $1.95

**Improved Adjustable Motor Rails**

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

9 P 2280 — Motor rails complete as shown. Shipping weight, 1 lb. 12 oz. | 50c |

9 P 2281 — Extra pair motor rail clips. Shipping weight, 9 ounces. | 20c |
COMPANION VULCANIZED CORD BELTS

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

COMPANION vulcanized cord belts are long wearing, true running, resist slipping and stretching, and transmit power with least friction loss. Heavy duty vulcanized cord wrapper. The flexible inner cushion of tough cured rubber is reinforced at the pitch line by strong cords to insure longer life and greater service. Properly molded and of uniform cross-section they run true and efficiently. COMPANION belts are carefully made, of excellent quality and very low in price. Length shown is distance around outside of belt.

Line Shaft, Hangers and Accessories
Accurately machined and finely finished parts of extremely high quality. The sturdy hangers have long wearing bronze bushings.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Shp. Wt.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 P 2763</td>
<td>1/4 in. x 24 in. Steel Shaft</td>
<td>1 lb. 15 oz.</td>
<td>$0.23</td>
</tr>
<tr>
<td>9 P 2764</td>
<td>1/4 in. x 36 in. Steel Shaft</td>
<td>1 lb. 1 oz.</td>
<td>$0.45</td>
</tr>
<tr>
<td>9 P 2765</td>
<td>Bronze Bushed Bearing (For 1/4 in. Shaft)</td>
<td>4 oz.</td>
<td>$0.25</td>
</tr>
<tr>
<td>9 P 2766</td>
<td>V-buck Oil Cups</td>
<td>1 oz.</td>
<td>$0.05</td>
</tr>
<tr>
<td>9 P 2767</td>
<td>1/4 in. Rigid Coupling</td>
<td>5 oz.</td>
<td>$0.19</td>
</tr>
<tr>
<td>9 P 2768</td>
<td>1/2 in. Line Shaft Collar</td>
<td>2 oz.</td>
<td>$0.09</td>
</tr>
<tr>
<td>9 P 2769</td>
<td>Flexible Coupling (Specify 1/8, 1/4 or 1/2 in.)</td>
<td>1 lb.</td>
<td>$1.25</td>
</tr>
<tr>
<td>9 P 2770</td>
<td>1/4 in. x 48 in. Steel Shaft</td>
<td>8 lbs. 8 oz.</td>
<td>$0.89</td>
</tr>
<tr>
<td>9 P 2771</td>
<td>1/4 in. Bronze Bushed Shaft Hanger</td>
<td>8 lbs. 8 oz.</td>
<td>$0.89</td>
</tr>
<tr>
<td>9 P 2772</td>
<td>1/4 in. Line Shaft Collar</td>
<td>1 lb. 14 oz.</td>
<td>$1.19</td>
</tr>
</tbody>
</table>

V BELT PULLEYS
A complete line for power tool use — each scientifically designed, carefully and accurately made of finest quality materials. There are no finer pulleys than these.

Scientifically Designed Cone Pulleys
Perfectly balanced at all speeds, these pulleys will give long, smooth running service. Made of highest quality alloy, long wearing. Special belt groove construction insures great pulling power and much longer belt life. Grooves accommodate 7/8 and 11/4 inch belts. State size of bore wanted.

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9 P 2772</td>
<td>3 in.</td>
<td>4</td>
<td>1/4, 7/16, 1/2</td>
<td>1 1/2 in.</td>
<td>1 lb. 10 oz.</td>
<td>$0.50</td>
</tr>
<tr>
<td>9 P 2773</td>
<td>3 1/2 in.</td>
<td>4</td>
<td>1/4, 7/16, 1/2</td>
<td>1 1/2 in.</td>
<td>1 lb. 14 oz.</td>
<td>$0.65</td>
</tr>
<tr>
<td>9 P 2774</td>
<td>4 in.</td>
<td>4</td>
<td>1/4, 7/16, 1/2</td>
<td>1 1/2 in.</td>
<td>1 lb. 18 oz.</td>
<td>$0.85</td>
</tr>
<tr>
<td>9 P 2775</td>
<td>4 1/2 in.</td>
<td>4</td>
<td>1/4, 7/16, 1/2</td>
<td>1 1/2 in.</td>
<td>1 lb. 20 oz.</td>
<td>$1.05</td>
</tr>
</tbody>
</table>

Highest Quality V Belt Pulleys
Made of highest quality alloy, sturdy and long wearing. Strong flanges and hub with heavy set screw. Finely balanced, true running pulleys of the highest quality, Grooves accommodate 3/8 or 7/8 inch wide V belts. Attractively finished in silver aluminum. Truly better pulleys. Not to be compared with the usual kind. Specify shaft diameter or bore wanted.

<table>
<thead>
<tr>
<th>Number</th>
<th>Diam.</th>
<th>Bore</th>
<th>Shp. Wt.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 P 2776</td>
<td>5 in.</td>
<td>3/8 in. or 7/8 in.</td>
<td>5 oz.</td>
<td>$0.15</td>
</tr>
<tr>
<td>9 P 2777</td>
<td>6 in.</td>
<td>3/8 in. or 7/8 in.</td>
<td>5 oz.</td>
<td>$0.15</td>
</tr>
<tr>
<td>9 P 2778</td>
<td>7 in.</td>
<td>3/8 in. or 7/8 in.</td>
<td>5 oz.</td>
<td>$0.15</td>
</tr>
</tbody>
</table>

Heavy Duty Steel V Pulleys
Large size pulleys built expressly for production work. Massive pressed steel construction with malleable iron hubs, carefully riveted for extra strength. Greater rigidity and ruggedness are supplied by the smoothly rolled edges on belt grooves. Interior of wheel is strongly welded. Husky, true running, long lived pulleys constructed of the finest materials. The highest grade production pulleys you can buy! Silver aluminum lacquered finish. Fit "V" belts 3/8 or 7/8 in. wide. State size of bore wanted.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Diameter</th>
<th>Bore</th>
<th>Shp. Wt.</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 P 2779</td>
<td>8 in.</td>
<td>3/8 in. or 7/8 in.</td>
<td>3 lbs. 4 oz.</td>
<td>$1.00</td>
</tr>
<tr>
<td>9 P 2780</td>
<td>9 in.</td>
<td>3/8 in. or 7/8 in.</td>
<td>3 lbs. 4 oz.</td>
<td>$1.25</td>
</tr>
<tr>
<td>9 P 2781</td>
<td>10 in.</td>
<td>3/8 in. or 7/8 in.</td>
<td>3 lbs. 9 oz.</td>
<td>$1.50</td>
</tr>
<tr>
<td>9 P 2782</td>
<td>11 in.</td>
<td>3/8 in. or 7/8 in.</td>
<td>3 lbs. 9 oz.</td>
<td>$2.00</td>
</tr>
</tbody>
</table>
CRAFTSMAN

REPULSION-INDUCTION MOTORS

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

Guaranteed for 6 years against any defects in workmanship or material

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

The high starting torque of these motors, their quiet, vibrationless operation and their speed of 1750 R.P.M. make them ideal for power tool use or for any job requiring a dependable source of trouble-free power at the snap of a switch! The finest motor you can buy. Priced to save you money.

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

Motors of 2-H.P. or more are shipped prepaid from factory in New York City. Smaller sizes carried in stock.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>H.P.</th>
<th>Size, In.</th>
<th>Base Mountings</th>
<th>Cash Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>99 PM 5621</td>
<td>1/2</td>
<td>27 1/2 x 4 1/2</td>
<td>2 x 6 in.</td>
<td>$11.75</td>
</tr>
<tr>
<td>99 PM 5622</td>
<td>1</td>
<td>32 1/2 x 3 1/2</td>
<td>2 x 6 in.</td>
<td>$16.25</td>
</tr>
<tr>
<td>99 PM 5623</td>
<td>1/2</td>
<td>27 1/2 x 3 1/2</td>
<td>2 x 6 in.</td>
<td>$12.25</td>
</tr>
<tr>
<td>99 PM 5624</td>
<td>1</td>
<td>32 1/2 x 3 1/2</td>
<td>2 x 6 in.</td>
<td>$17.95</td>
</tr>
<tr>
<td>99 PM 5625</td>
<td>3/4</td>
<td>32 1/2 x 3 1/2</td>
<td>2 x 6 in.</td>
<td>$29.90</td>
</tr>
<tr>
<td>99 PM 5640</td>
<td>1</td>
<td>40 3/4 x 5 1/2</td>
<td>2 x 6 in.</td>
<td>$35.50</td>
</tr>
<tr>
<td>99 PM 5641</td>
<td>3/4</td>
<td>40 3/4 x 5 1/2</td>
<td>2 x 6 in.</td>
<td>$56.00</td>
</tr>
<tr>
<td>99 PM 5642</td>
<td>1</td>
<td>40 3/4 x 5 1/2</td>
<td>2 x 6 in.</td>
<td>$79.50</td>
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</table>

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>H.P.</th>
<th>Size, In.</th>
<th>Base Mountings</th>
<th>Cash Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>99 PM 5644</td>
<td>1/2</td>
<td>30 1/2 x 5 1/2</td>
<td>2 x 6 in.</td>
<td>$35.00</td>
</tr>
<tr>
<td>99 PM 5645</td>
<td>1</td>
<td>35 1/2 x 5 1/2</td>
<td>2 x 6 in.</td>
<td>$45.00</td>
</tr>
<tr>
<td>99 PM 5646</td>
<td>3/4</td>
<td>37 1/2 x 6 1/2</td>
<td>2 x 6 in.</td>
<td>$65.00</td>
</tr>
<tr>
<td>99 PM 5647</td>
<td>1</td>
<td>42 1/2 x 7 1/2</td>
<td>2 x 6 in.</td>
<td>$80.00</td>
</tr>
<tr>
<td>99 PM 5648</td>
<td>7/8</td>
<td>42 1/2 x 7 1/2</td>
<td>2 x 6 in.</td>
<td>$99.50</td>
</tr>
</tbody>
</table>

CRAFTSMAN

Heavy Duty Ball Bearing Double Drive Shaft Motor

This motor has every fine quality of the motors described above plus a double drive shaft and genuine SKF Ball Bearings. This construction permits them to be operated in any position and increases the number of uses to which these motors may be put. Single Phase repulsion-induction type, made for 110-120 volt 60 cycle A.C. 1/2-1 H.P. 1750 R.P.M. The finest motor you can select for any power tool. Shipping weight, 68 pounds.

99 PM 5619 ........................................... $25.75

Page 38

ROSE TOOLS, INC.
COMPANION Capacitor Type Motors BALL BEARING

- Guaranteed for 6 years against defects in workmanship or material.
- Produce greater starting torque.
- Use less starting current than split phase motors.
- Double drive shaft and precision ball bearings.

These sturdy, long wearing motors are second in quality only to our CRAFTSMAN motors described on opposite page. They are ideal power units for drill presses, grinders, bench saws, lathes, planers and other power tools. Capacitor type design greatly improves their operation. For 110-120 volt 60 cycle A.C. Operating speed, 1750 R.P.M. (except 99 PM 5617). Complete with switch, rubber covered cord and rubber plug.

99 PM 5614—3/4-H.P. Shpg. wt., 23 lbs. $11.90
99 PM 5614—3/4-H.P. Shpg. wt., 35 lbs. 14.75
99 PM 5617—For high speed power tools such as 3/4-H.P. 3450 R.P.M. Shipping weight, 36 pounds. $14.75

KENMORE Split Phase Motors BRONZE BEARING

- Guaranteed for 3 years against defects in workmanship or material.
- Extra heavy bronze bearings.
- Wool yarn oiling supplies constant filtered lubrication to bearings at all times.
- Splashproof end plates.

KENMORE motors are America's value leaders in the low priced motor field. They are built to give you unmatched service for all light shop tools, washing machines and other loads that do not call for a high starting torque. Rotors are accurately and individually balanced to insure quiet, smooth running performance. Heavy steel shaft is turned down to 1/8 inch at pulley end to accommodate standard accessories. Operating speed, 1750 R.P.M. For 110-120 volt 60 cycle A.C. Complete with rubber covered cord and rubber plug.

99 PM 5601—1/4-H.P. Shpg. wt., 27 lbs. $5.75
99 PM 5602—1/2-H.P. Shpg. wt., 29 lbs. 8.35

COMPANION Split Phase Motors BALL BEARING

- Guaranteed for 4 years against defects in workmanship or material.
- Has double drive shaft and precision ball bearings.
- Heavier field windings.
- Larger cooling ducts, frame castings and bearing housings.

Here's the motor that "scooped" the field! One of the finest split phase motors ever sold. Bigger, stronger and better—will give added years of trouble-free service. There's none to compare with it anywhere near our price. Recommended for shop tools not requiring the large starting torque of CRAFTSMAN motors. Will handle heavy running loads if they are easily started. For 110-120 volt 60 cycle A.C. 1750 R.P.M. With switch, rubber covered cord and plug.

99 PM 5607—1/2-H.P. Shpg. wt., 29 lbs. $8.90
99 PM 5610—Same as 99 PM 5607 except with starting and reversing switch and 10 feet of tested cord. Shpg. wt., 32 lbs. $11.75

COMPANION Repulsion-Induction High Speed Motors BALL BEARING $19.50

Biggest value we have ever offered in high speed motors. These husky double drive shaft motors have plenty of reserve power and are fitted with finest quality ball bearings. They have large cooling ducts, frame castings and bearing housings. Carefully built of the finest materials. A thoroughly reliable high speed motor at the lowest possible cost. Recommended for shapers, bench saws, jointers or other power tools where a motor speed of 3450 R.P.M. is wanted. Adaptable for general use. With built-in starting switch and rubber covered cord.

99 PM 5608—1/2-H.P. Shipping weight, 33 pounds $19.50
99 PM 5611—3/4-H.P. Shipping weight, 45 pounds 28.95

Page 39
**COMPANION All-Steel Heavy Duty MACHINE STAND**

An extra heavy, rigid machine stand developed expressly for use with power tools. Our comparisons lead us to believe this is one of the finest machine stands being built today. Its appearance in the home workshop or industrial establishment ushers in an era of efficiency and order... of cleanliness. Beautifully made of steel throughout and constructed in such a manner that all resonance or “hum” has been brought to a minimum. Top and shelf are secured to legs at their corners with unusual rigidity. Legs are drilled with six holes, for varying height of steel top or motor shelf. Tops are finished in a lustrous black, the legs in royal blue. Packed flat for shipping, very easily assembled. Made of 12-gauge steel; much heavier than others use. Sold at a world beating price, the quality is unquestionable. Order yours today and save at Sears!

Size, top, 10x21 inches. Height, 29 inches. For use with 10-inch and 12-inch band saw. Shipping weight, 32 pounds. $4.25

Size, top, 10x21 inches. Height, 31 inches. For use with most other power tools except jig saw on page 33, and bench saws on pages 4 and 6. Shipping weight, 33 pounds. $4.25

Size, top, 10x34 inches. Height, 31 inches. For 24-inch jig saw and 6-inch jointer. Shipping weight, 36 pounds. $4.95

Size, top, 16x21 inches. Height, 31 inches. For bench saw 99 PM 2236 on page 4. Shipping weight, 39 pounds. $4.95

**S*S*M*O*O*H*W*E*E*N**

**CHASE MAN and FULTON Circular Saws**

CHASE MAN Saws—Made of special analysis saw steel, carefully hardened and tempered. Thoroughly inspected to insure perfect roundness. Proper tension given by highly skilled master saw makers makes the face smooth as glass and gives proper rigidity. Hand set and filed, ready for use. America’s finest circular saws.

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

**Combination Saws**

Handiest of all circular saws because they are specially designed for cross cutting, ripping or mitering. COMPANION plain tooth saws and FULTON flat ground saws are set and filed and cut fast and easy in all woods. CHASE MAN hollow ground saws are made from special analysis saw steel, tempered and hardened. They run without set and cut slower but leave your work with an exceptionally smooth finish.

**MAGAZINES FULL OF INTERESTING PROJECTS**

Available Each Month at Your Sears Retail Store

Clear descriptions—large scale working drawings—plenty of photographs—so that you can easily make anything from a toy or novelty to a strong and sturdy piece of house furniture! No experiments—but articles of proven usefulness actually made at the work bench!

Every issue of these big monthly magazines is filled from cover to cover with helpful information on how to make and do things in and about the home. Every story complete—details and instructions readily understandable. If you’ve been hunting for new things to make—things you’ll enjoy making, here are magazines you’ll be glad to have!

**Below you will find a partial list of subjects covered in previous issues**

- Rustic Furniture
- Doll House Furniture
- Castle for Boy Soldiers
- Rustic Mail Box
- Children’s Breakfast Nook
- Rustic Mail Box
- New England Shed
- Single Ship’s Lantern
- Early American Desk Box
- 18th Century Secretary
- Hampton’s Dining Table
- Old “Baker” Rack
- Double Deck Fireplace
- Bookcase
- Dollhouse Grandfather’s Clock
- Workshop Muffin Oven
- Window Screen Frames
- Winter Fishing Shelter
- Pirates’ Treasure Chest
- Fast 16-Flint Hammer
- Norther Woodsman
- Jig-Saw Circular Table
- Roulette Wheel
- Kitchen Table
- Gift Store
- Surf Board
- Fly Rod

**ON SALE EVERY MONTH AT SEARS RETAIL STORES**
COMPANION 6-Inch Bench Saw

- Auto-lubricated bronze bearings.
- Table tilts to any desired angle up to 45 degrees.
- 6-in. combination blade cuts miter joints, crosscuts and rips.
- Sturdy cast iron base. Over all height, 10½ inches; width, 11 inches.

COMPANION tools are built to a quality standard—made of the finest materials, carefully machined, accurately assembled. At their price they have the largest capacity consistent with good workmanship. Sears are by far the largest distributors of power tools in the world. Their buying power will secure for you more quality, capacity and good workmanship than you can possibly get for the same money elsewhere. Comparisons are invited, price for price, size for size, quality for quality.

A real 6-inch bench saw. Has auto-lubricated long life bronze bearings, miter gauge, rip fence, approved guard and splitter. Tilting table has adjustable stops at 90 and 45 degrees. Shipping weight, 27 pounds.

99 PM 2226—COMPANION 6-Inch Bench Saw. $5.95

COMPANION 8x34-Inch Lathe

We could have built this lathe larger—we preferred to build it better—with a heavier 1/4-inch finely machined spindle, auto-lubricating bronze bearings, better cup and spur centers—fitting each part together more carefully—giving you a better, smoother running lathe that would last longer. The headstock is designed like those on the large factory type production lathes. It is up-to-date, stronger, sturdier and smoother running. Tailstock is of equally advanced design. The finest quality lathe anywhere near its price.

Heavy gray iron construction. 25 inches between centers. Equipped with both ball bearing, 6-inch tool rest and all fittings as illustrated above. Shipping weight, 24 pounds.

99 PM 2013—COMPANION 8x34-Inch Lathe. $4.95

Lathe Sanding Attachment

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

99 P 2214. $1.95

START A WORKSHOP!...SAVE AT SEARS LOW PRICES

COMPANION Drill Press

- For wood or metal drilling.
- Oversize auto-lubricated bronze bearings.
- Large ball thrust bearing in head.
- Adjustable drill head.
- Height, over all, 31/4 inches.

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

Shipping weight, 18 pounds.

99 PM 2374. $4.95

COMPANION II-Inch Jig Saw

- Finely balanced mechanism operates in an oil tight crankcase similar to that in your automobile.
- Saw dust blower. Bridge truss type frame.
- Larger, 8¼-inch square table tilts to 45 degrees.

We could easily add more weight—but chunks of iron do not make machines. Workmanship and better design produce quality. Do not be misled by false statements. Operate the saws for comparison. The COMPANION mechanism runs in an enclosed bath of oil as in the most expensive jig saws. Balanced mechanism produces greater smoothness than weight alone. Cuts to the center of a 2-inch circle. No other saw of this quality is sold for less than $10.00. Get the quality and satisfaction you can obtain only from the largest distributor of power tools.

Shipping weight, 16 pounds.

9 P 2258—COMPANION II-Inch Jig Saw. $4.95

Face Plates

For all CRAFTSMAN and COMPANION lathes with 9/16-in. plain spindles. Carefully machined and balanced.

9 P 2080—3 in. Shipping weight, 1 pound. $0.75
9 P 2081—6 in. Shipping weight, 1 pound. $1.00
9 P 2082—10 in. Shipping weight, 1 pound. $1.50
9 P 2083—12 in. Shipping weight, 1 pound. $2.00

Spur Center

For all CRAFTSMAN and COMPANION lathes with 9/16-in. spindles. Removable center. Shipping weight, 1 ounce.

9 P 2105. $0.65

Cup Center

Carefully made, hard faced steel cup center for tailstock of lathes. Replaceable center. Shipping weight, 1 ounce.

9 P 2102. $0.65

Work Arbor

Fits any 9/16 or 9/32-in. spindle. Has finely faced steel collars for grinding or buffing wheel, and well made 3-jaw 9/32-in. chuck. State spindle size. Weight, 1 pound 10 ounces.

9 P 2118. $0.85

3-Jaw Chucks

A special development in a 3-jaw chuck with jaws held firmly in position by guides within the shaft. For ordinary or heavy work. Fits 1/4-in. 24-thread per in. spindle.

9 P 2130—1/4-inch capacity. Weight, 3 pounds, 6 ounces. $2.00
9 P 2130—1/3-inch capacity. Weight, 3 pounds, 6 ounces. $2.00
9 P 2132—1/5-inch capacity. Weight, 13 ounces. $0.50
9 P 2134—1/8-inch capacity. Highest quality. Weight, 1 lb. 3 oz. $0.75
9 P 2136—1/8-inch capacity. Weight, 3 pounds. $3.25

4-Jaw Independent Chuck


9 P 2138. $4.65

Drum Sander

Accurately made. Complete with sleeve and adapter. Fits 1/4-in. shaft. Shipping weight, 1 lb. 10 oz.

9 P 2529. $1.00
9 P 2529—Banding sleeve for above drum. Freight, medium or large. State grit wanted. Shipping weight, 3 ounces.

Sanding Discs

Carefully machined and balanced. Alumina paper discs fitted in 9/16-in. spindle. Shipping weight, 1 ounce.

9 P 2158—6 in. $1.50
9 P 2199—8 in. $1.50
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POWER TOOLS
SET THE NATION'S STANDARD OF QUALITY AND VALUE

COMPLETE SELECTIONS • NEW 1937 MODELS