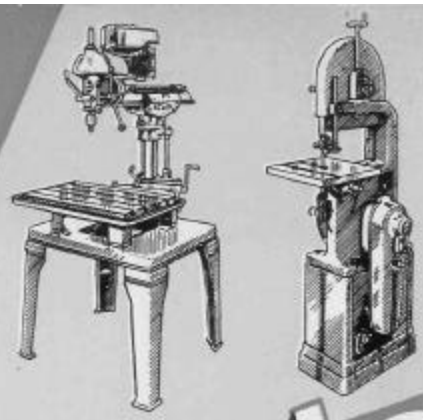
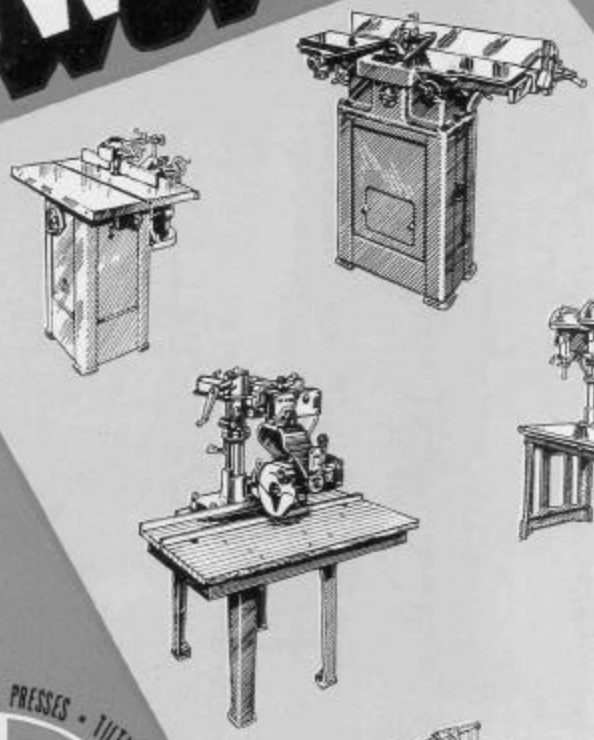
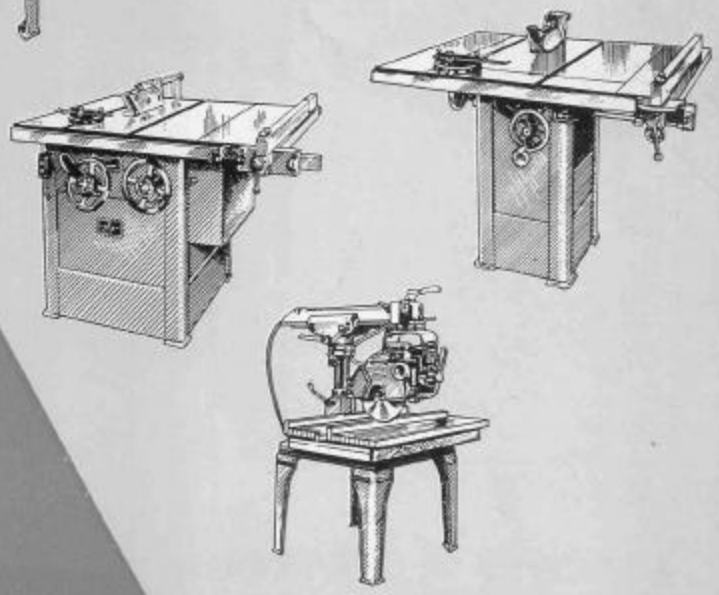
WALKER-TURNER



power tools





walker-Turner
DIVISION
KEARNEY & TRECKER CORP.
PLAINFIELD, N. J.
U. S. A.

SAWS • RADIAL SAWS • BAND SAWS • DRILL PRESSES • TILTING ARBOR SAWS • JIG SAWS • TABLE SAWS • JOINTERS • LATHES • BELT AND DISC SURFACERS

FOR METAL AND WOODWORKING

KEARNEY & TRECKER
MILWAUKEE

51 YEARS OF LEADERSHIP PIONEERING IN PRECISION MILLING MACHINES • BORING MACHINES AND SPECIAL EQUIPMENT . . .

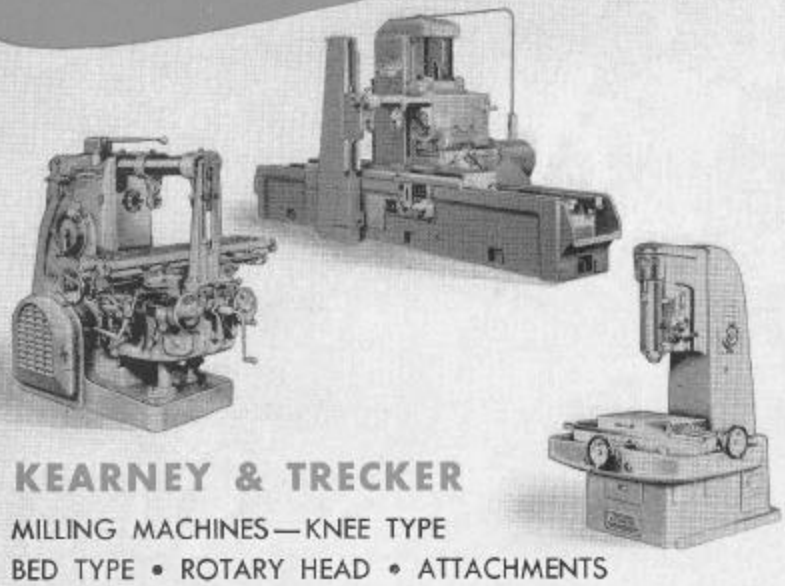
walker-Turner
DIVISION
KEARNEY & TRECKER CORP.
PLAINFIELD, N. J.
U. S. A.

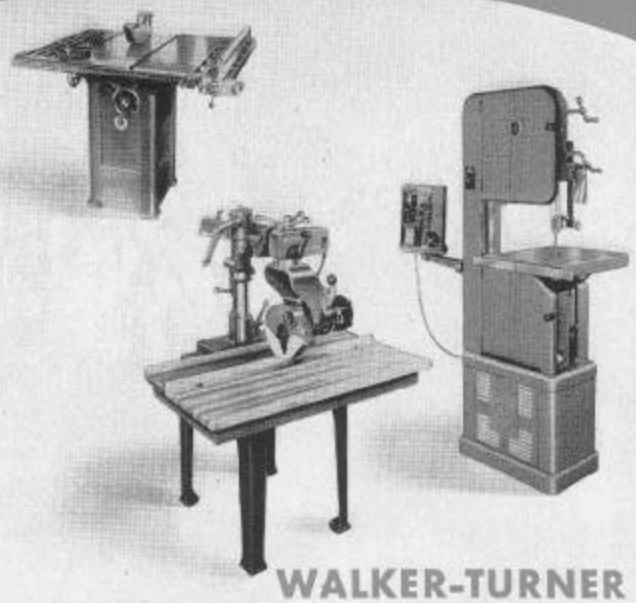
28 YEARS OF LEADERSHIP IN LIGHT MACHINE TOOLS • VOLUME PRODUCTION • HIGH QUALITY AND POPULAR PRICES . . .

The name Walker-Turner has always signified leadership in the manufacture of power tools. Kearney & Trecker Corporation has, for many years, pioneered in the manufacture of precision machine tools. With the combined research, manufacturing facilities, and experience of two pioneer organizations now at its disposal, the Walker-Turner Division at Plainfield, N. J., is supplying power tools with new standards of quality and performance that will satisfy the most discriminating user.

WALKER-TURNER DIVISION
KEARNEY & TRECKER CORPORATION
PLAINFIELD, N. J.
U. S. A.

SOLD ONLY THROUGH AUTHORIZED DEALERS





KEARNEY & TRECKER

MILLING MACHINES—KNEE TYPE
BED TYPE • ROTARY HEAD • ATTACHMENTS
SPECIAL PRODUCTION MILLING MACHINES
PRECISION BORING MACHINES • CUTTER
GRINDER • CUTTERS • ARBORS • ACCESSORIES

WALKER-TURNER

BAND SAWS • JIG SAWS
TABLE SAWS • RADIAL SAWS
TILTING ARBOR SAWS • LATHES
BELT AND DISC SURFACERS • JOINTERS
DRILL PRESSES • SPINDLE SHAPERS

WALKER-TURNER

POWER TOOLS *for* WOOD • METAL AND PLASTIC

CATALOG 'A'

CONTENTS

KEARNEY & TRECKER
MILWAUKEE

WALKER-TURNER DIVISION

PLAINFIELD, NEW JERSEY

100M 2/50 Form A

Printed in U.S.A.

• • • WALKER-TURNER 20 INCH DRILL PRESSES • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

FEATURES

The Walker-Turner 20″ Drill Presses are the result of more than 20 years in the development and manufacture of this type of machinery. Their design is based on experience with over one hundred thousand units built for and in use by industrial plants engaged in manufacturing a wide variety of products and in small shops throughout the world.

These 20″ models are made primarily for the industrial user where production rate and initial cost are primary factors in the selection of equipment. Their unusually wide range of speeds (260 to 1700 using an 1140 rpm. motor or 400 to 2600 using a 1740 rpm. motor) gives them the versatility demanded by the production drilling of many materials.

SPECIFICATIONS

SPINDLE: Manganese steel, ten spline, No. 2 morse taper socket. No. 3 available at no extra charge.

SPINDLE SPEEDS: (5) 400, 800, 1200, 1800 and 2600 using a 1740 rpm. motor.

SPINDLE TRAVEL: Six inches, adjustable spring return. Rate of spindle feed on power feed models .003″, .006″, .009″, .012″, per revolution of spindle.

BEARINGS: Spindle is journalled on two ball bearings, one double row at spindle nose, single row at other end of quill.

SPINDLE PULLEY: Pulley is mounted between two ball bearings, entirely independent of spindle. Belt tension is absorbed by the pulley.

CAPACITY: ¾″ in steel, 1″ in cast iron. Distance from spindle to column 10″. Maximum distance spindle nose to table bench model 26″, floor models 44″.

CENTER DISTANCES: Distance between column centers on the multiple spindle models is 17½″ or as per customer's specification. See page 4 for complete dimensions.

COLUMN: Diameter 3¾″. Heavy wall seamless steel tubing, turned on centers and carefully ground to size.

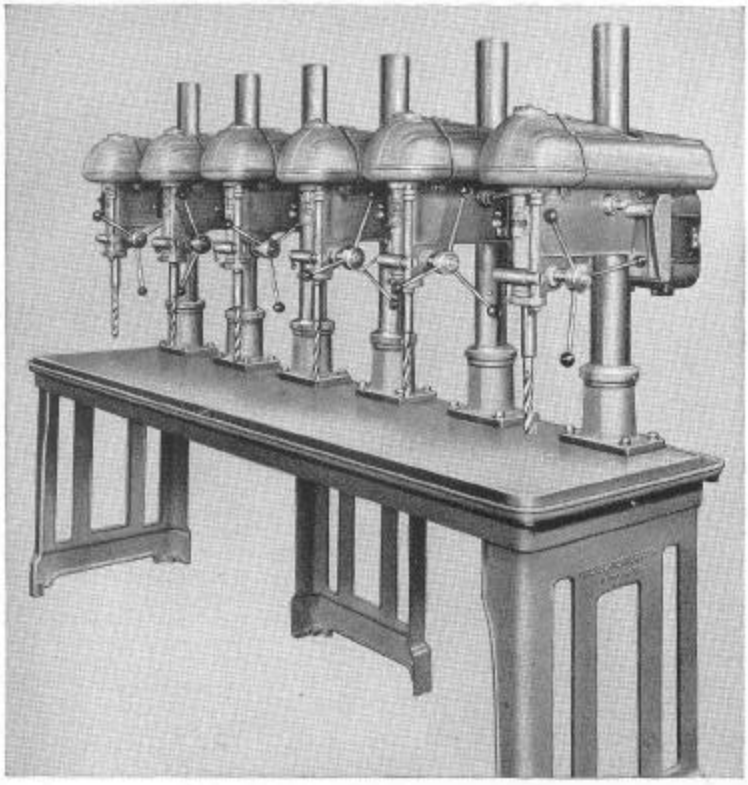
ELEVATING MECHANISM: Rack and pinion type equipped with ball bearing rotating collar. Can be used on the heads of all models or on the tables of the floor models.

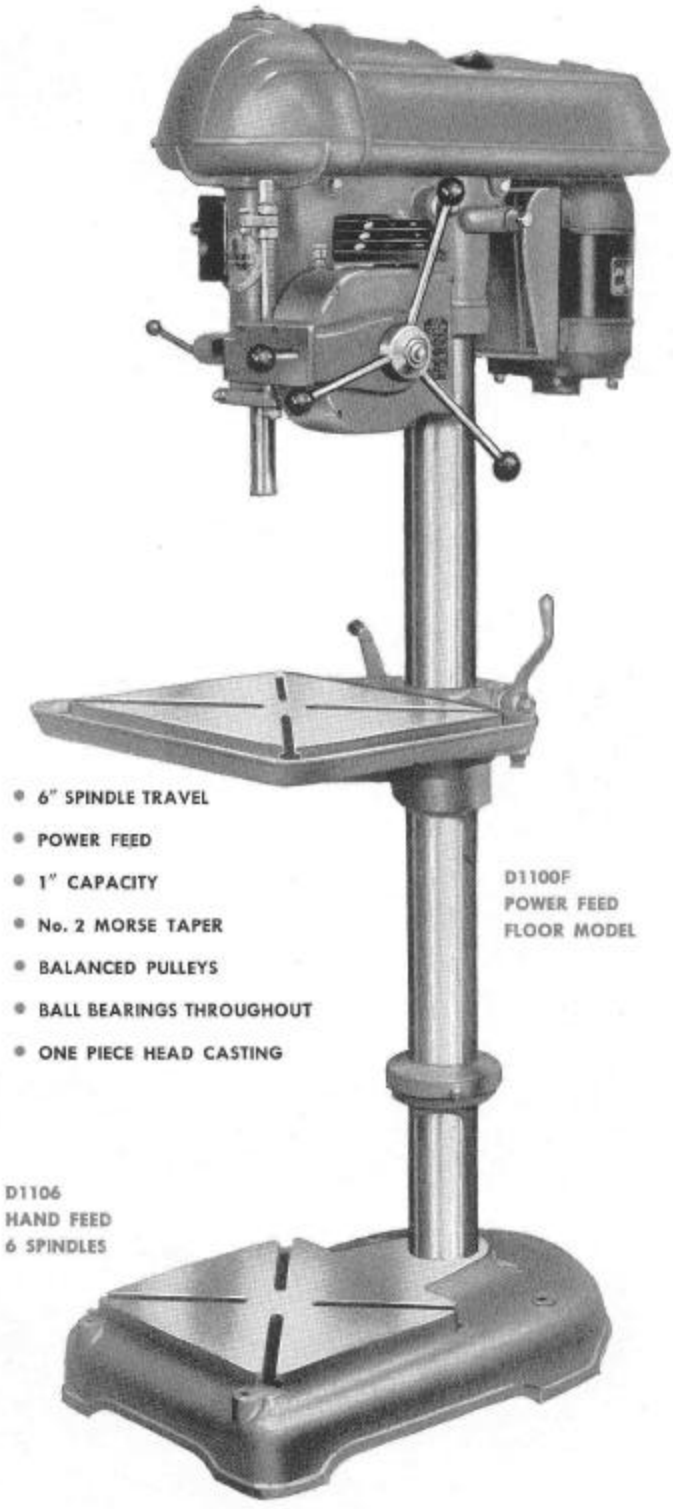
HEAD CONSTRUCTION: One piece gray iron casting, line bored for accuracy. Wedge type locks eliminate distortion.

RACK AND PINION: Rack is milled into quill making one piece construction. Pinion is hobbed from solid bar.

LUBRICATION: Pulley and spindle bearings as well as all moving parts of the quill and feed mechanism are lubricated from a single oil hole, conveniently located above the spindle. Power feed unit has ample oil and grease fittings.

SHIPPING WEIGHTS: See page 4.





- 6″ SPINDLE TRAVEL
- POWER FEED
- 1″ CAPACITY
- No. 2 MORSE TAPER
- BALANCED PULLEYS
- BALL BEARINGS THROUGHOUT
- ONE PIECE HEAD CASTING

D1100F
POWER FEED
FLOOR MODEL

D1106
HAND FEED
6 SPINDLES

Model D1100F, equipped with power feed is shown above. A power take off pulley on the drill spindle operates the unit through a 4 speed countershaft. This makes available feed rates of .003″, .006″, .009″ and .012″ per revolution of the spindle. Feed rates are quickly changed, a tension release on the countershaft simplifies making the change.

MULTI-SPINDLE MODELS

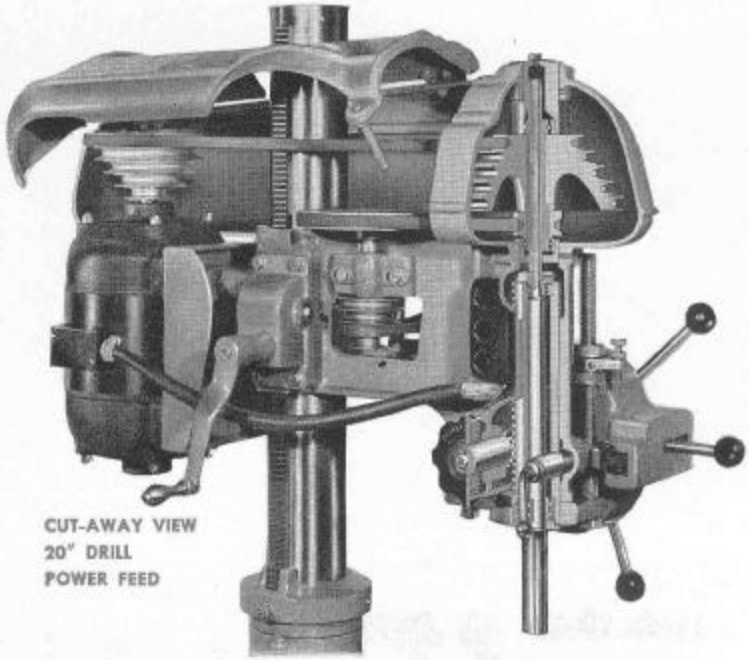
Service tested in hundreds of industrial plants these drill presses have set a new standard of value from the standpoint of production, service and first cost. Multiple spindle models from two to six spindles are particularly effective in increasing production on many jobs where a series of holes are to be drilled, tapped, reamed or counter-bored in a single piece. Shown at left is model D1106 Six Spindle, Hand Feed. For complete dimensions and weights see page 4.

• • • WALKER-TURNER 20 INCH DRILL PRESSES • • •

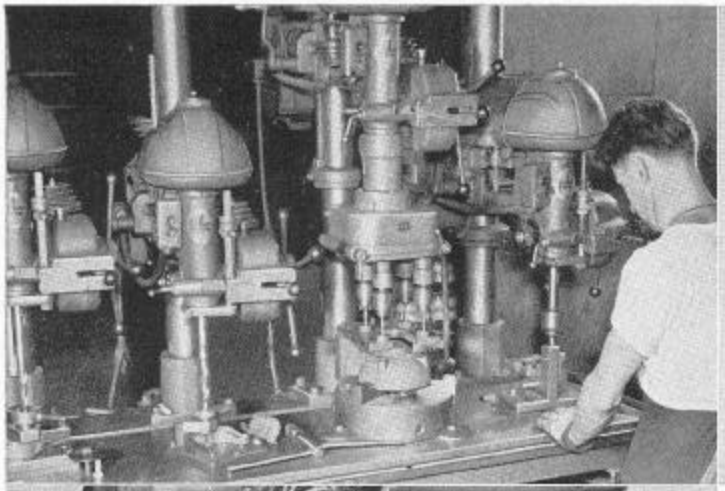
WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

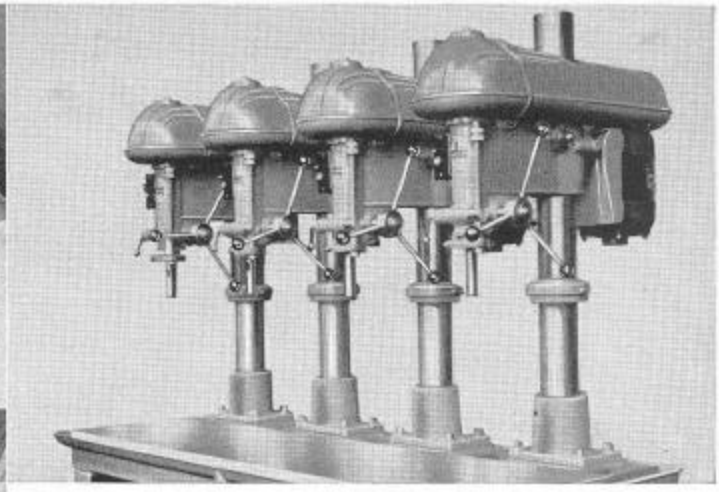
BUILT-IN ACCURACY AND STAMINA

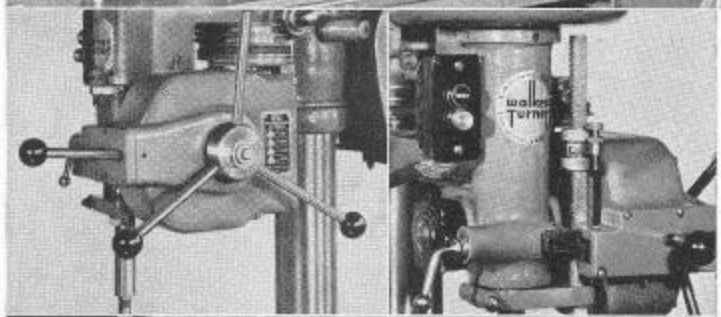
The illustration at the right graphically displays the reason for the ready acceptance of the Walker-Turner 20″ Drill Press as a production tool. Its sound engineering, ruggedness and built-in stamina enable it to perform on a 24 hour per day schedule, month after month and year after year. The correctly suspended pulley mounted on ball bearings and the husky spindle with its double row thrust bearing are designed and manufactured to tolerances that hold wear to a minimum. The heavy one piece cast iron head is completely line bored on a multiple spindle boring machine in one operation. There are no slots or other clamping devices to deform its original accuracy. Accuracy is built in and it remains in.

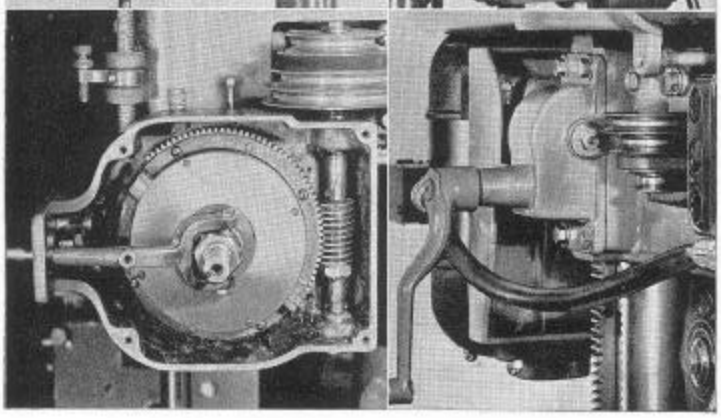


CUT-AWAY VIEW
20″ DRILL
POWER FEED









(Above, left.) The four spindle power model shown in this illustration has been in constant use on production work for the past five years. Note the multiple head on the third spindle which drills four holes in one operation.

(Above, right.) Model D1104 Four Spindle, Hand Feed Drill Press. This machine is available in two, four and six spindle sizes. Cast iron legs shown on page 2. Models may be purchased with hand or power feed or a combination of both.

(Center, left.) A close up view of the power feed unit. A heavy cast iron housing encloses it completely to exclude dust and dirt.

(Center, right.) The micromatic depth gauge and automatic clutch release are shown in this illustration. The clutch release button, directly below the depth gauge, may be operated manually to release the clutch if desired.

(Bottom, left.) Interior view of the clutch housing showing the worm and worm gear, clutch casing and clutch lever. Conveniently located grease cup insures ample supply of lubricant for gears.

(Bottom, right.) The elevating unit may be used on the head of all bench models and multiple spindle models and on the head or table of the floor models. The support for the elevating rack is a ball bearing thrust collar which simplifies swinging the head or table into position.

• • • WALKER-TURNER 20 INCH DRILL PRESSES • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

MODEL LISTING

See Specifications for Speeds.

(Note: No. 2 Morse Taper standard equipment; No. 3 available at no extra charge)

BENCH AND FLOOR MODELS

D1100 FLOOR MODEL, HAND FEED—including table raising mechanism and belt guard, less motor.

D1100F FLOOR MODEL, POWER FEED—otherwise the same as D1100.

D1100B BENCH MODEL, HAND FEED—including head raising mechanism and belt guard, less motor.

D1100BF BENCH MODEL, POWER FEED—otherwise the same as D1100B.

PRODUCTION MODELS

D1102B TWO SPINDLE, HAND FEED—including head raising mechanisms and belt guards, less motors.

D1102BF TWO SPINDLE, POWER FEED—otherwise the same as D1102B.

D1103 THREE SPINDLE, HAND FEED—mounted on four spindle table, including belt guards and head raising mechanisms, less motors.

D1103F THREE SPINDLE, POWER FEED—otherwise same as D1103.

D1104 FOUR SPINDLE, HAND FEED—including belt guards and head raising mechanisms, less motors.

D1104F FOUR SPINDLE, POWER FEED—otherwise same as D1104.

D1106 SIX SPINDLE, HAND FEED—including belt guards and head raising mechanisms, less motors.

D1106F SIX SPINDLE, POWER FEED—otherwise same as D1106.

11D45 PAIR CAST IRON LEGS (Not included with machine)—for Multiple Spindle Models. Cannot be used on single spindle bench models. Six spindle models require 1½ pairs.

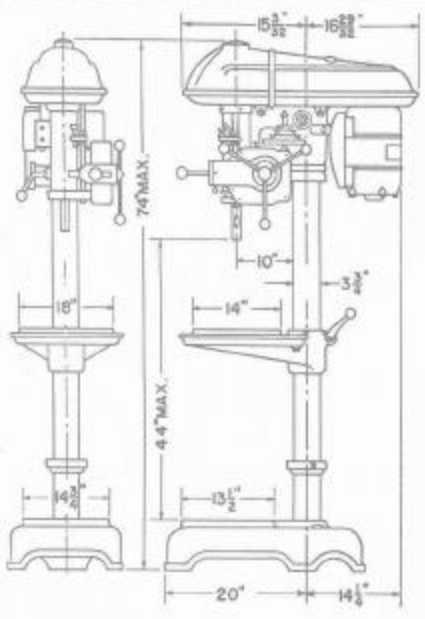
RECOMMENDED MOTORS

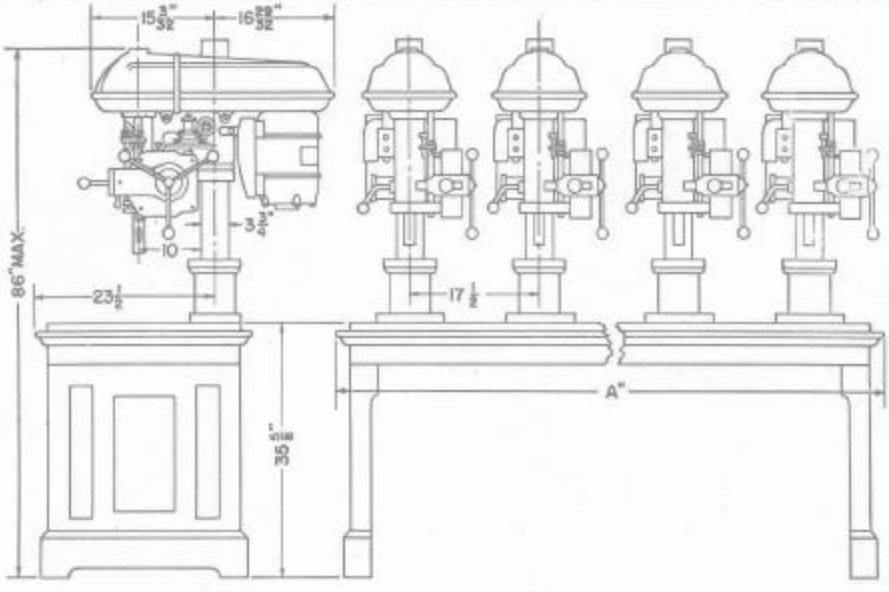
KAB-10E 1 hp., single phase, 115/230v., 1740 rpm., 60 cycle.

POB-10E 1 hp., three phase, 220/440v., 1140 rpm., 60 cycle

PAB-10E 1 hp., three phase, 220/440v., 1740 rpm., 60 cycle.

WEIGHTS AND DIMENSIONS (ALL MODELS)





DIMENSIONS AND SHIPPING WEIGHTS

20" DRILL PRESSES—All Models

Model No.	D1100	D1100F	D1100B	D1100BF	D1102B	D1102BF	D1103	D1103F	D1104	D1104F	D1106	D1106F	11D45
Dimension A (ins.)			23	23	40½	40½	75½	75½	75½	75½	110½	110½	
Weight (lbs.)	555	595	495	545	1000	1050	1515	1590	1600	1700	3250	3460	195

• • • WALKER-TURNER 20 INCH DRILL PRESSES • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

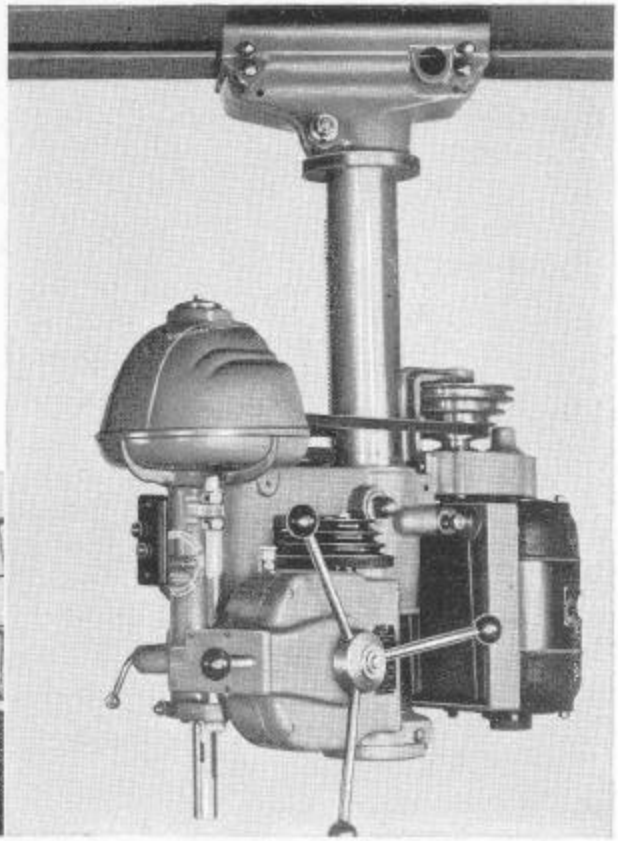
SPECIAL SET-UPS

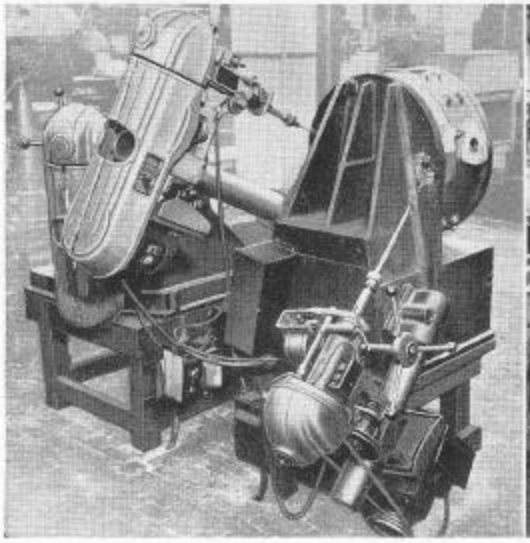
The drill press head installation shown at right is used by a leading aircraft manufacturer. A 20" Drill Press Head is mounted on a sliding carriage supported by an overhead steel tube. A flat steel plate welded to the tube contacts the eight ball bearings in the carriage which provide easy lateral movement. The head may be swung through a complete circle. A ball bearing thrust collar supports the head and makes it easy to position.

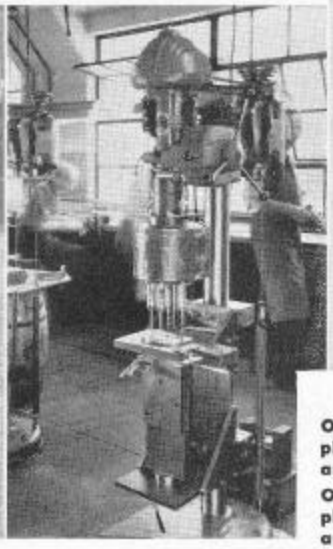
A typical example of the flexibility of the Walker-Turner 20" Drill Press Head is illustrated below, left. In this instance, due to the weight of the work and the large, cumbersome fixture that was required, the drill heads were built into the fixture. In designing this fixture provision was made for attaching the drill heads in the correct position. Consequently, the work can be loaded in a natural position, chip disposal is not a problem and production can be speeded up.

The illustration on the right shows a standard floor model drill press with a specially designed jig built around the machine. Here again, work handling is simplified, chips are readily disposed of and the accuracy of the work is improved due to the elimination of the conventional table.

Walker-Turner Drill Press Heads, Hand or Power Feed, can be operated in any position, they have a wide range of speed, they can be easily attached to other equipment and they will give years of accurate, trouble free service.





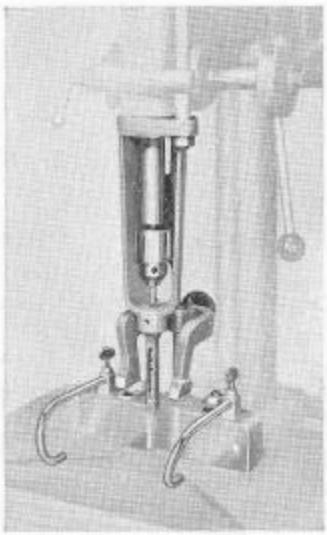


20" OVERHEAD DRILL PRESS ASSEMBLIES

O.H.D. 1150X Overhead Drill Press Assembly, includes complete Head, Hand Feed Model, Belt Guard, Column, Carriage and Elevating Mechanism.

O.H.D. 1151X Overhead Drill Press Assembly, includes complete Head, Power Feed Model, Belt Guard, Column, Carriage and Elevating Mechanism.

20" DRILL PRESS ACCESSORIES • • • • • •



Mortising Attachment

This bracket when attached to the drill press quill holds hollow mortising chisel permitting mortises of various sizes to be made. It is easily attached in place of the depth gauge collar.

HD239X Mortising Attachment.

Hold-down and Guide

This hold down and guide is sturdy and easily adjusted. It is secured by means of the T slots in the drill press table.

9D90 Hold-down and Guide.

Arbor must be used when using mortising bits and chisels.

9L28 Chuck Arbor (for use with No. 2 Morse taper spindle only).

HD243 No. 3 Morse Taper Adapter for 6A Jacobs Chuck.

Use Chuck Arbor shown above to secure chuck to drill press spindle.

No. 6A Jacobs Chuck and key.

MORTISING BITS AND HOLLOW CHISELS

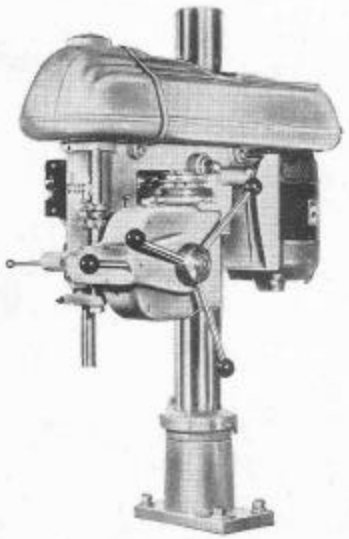
These chisels and bits are intended for heavy production work. They are made of chrome nickel alloy steel, will hold their edges and give extra hours of uninterrupted service.

HCS4 ¼" Chisel	**HC25A ¼" Bit**
HCS6 ⅜" Chisel	**HC38A ⅜" Bit**
HCS8 ½" Chisel	**HC50A ½" Bit**

20" DRILL PRESS COMPONENTS • • • • •

The Walker-Turner 20" Drill Press Heads have a wide variety of application wherever production or precision is a factor. They are being used successfully for drilling, reaming, counter-boring, burring, grinding and many other operations requiring a rotary motion combined with a reciprocating action. They are specifically designed to operate continuously at any speed within their range of 260 to 2600 rpm., and they will operate in any position. Four ball bearings, ten spline spindles, a full floating spindle pulley and a one piece head casting all go to assure dependability and long trouble free service.

You can save time and money by building these Drill Press Heads into your production machinery. If you machine steel, iron, aluminum, copper or brass, plastics or wood there is a Walker-Turner Drill Head adaptable to your specific needs. Investigate the possibilities of these low cost, high production tools.



D1100X Drill Press Head, Hand Feed including belt, motor pulley and belt guard, less motor.

D1101X Drill Press Head, Power Feed, including belt, motor pulley and belt guard, less motor.

HD3XN Elevating Mechanism, including ball-bearing thrust collar, rack and gear assembly

HD30-41X Steel Column 3¾" diameter x 42" long, with bracket.

• • • WALKER-TURNER 15 INCH DRILL PRESSES • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

PRODUCTION MODELS

These production model drill presses are designed to cover the widest range of service at new, low levels of investment and production costs. Their portability and compactness permits locating in assembly lines or along side of other machines for second operations. The spot placing of drill presses in this fashion will often bring about reductions in handling costs alone that will more than offset the cost of the drill press. Walker-Turner Production Model Drill Presses are built to exceptionally close tolerances and possess a degree of accuracy that is usually found only in higher priced equipment. Experienced shop men find these machines far ahead of the field in design, accuracy and value because of these features. One piece head casting, line bored for greater accuracy, six spline spindle, four ball bearings, balanced pulleys, ground steel columns, cast iron tables and bases.

SPECIFICATIONS (Production Models)

FOUR SPEEDS: 600, 1250, 2440 and 5000 R.P.M. with a 1740 R.P.M. motor.

CAPACITY: 18½" chuck to table, 7½" center of chuck to column. Drills to center of 15" circle.

CHUCK: No. 6A Jacobs, key type, 0 to ½" capacity.

SPINDLE: Six spline full floating type, mounted on two ball bearings, ¾" diameter. Male #33 Jacobs taper to fit 6A Jacobs chuck, or #1 Morse taper socket (optional).

SPINDLE TRAVEL: 4¼" adjustable spring return.

PULLEY: Straddle mounted between two ball bearings for extra rigidity. All belt thrust is absorbed by pulley.

HEAD: One piece gray iron casting, machined to close tolerances. Wedge type locks on column and quill eliminate slitting and possible deformation of head casting.

COLUMN: Seamless drawn steel tubing, precision ground, 2¾" diameter.

RACK AND PINION: Feed pinion is hobbed from solid steel bar, rack teeth are milled into quill.

TABLES: Cast iron ground to plane surface. Single spindle 14½" x 16", multiple spindle models 17½" wide, two spindle 23" long, four spindle 45" and six spindle 67".

D901 Single Spindle Drill Press, less motor, head raising mechanism and belt guard. (No legs available.)

D901H Same as D901 but including head raising mechanism, less belt guard and motor.

D902 Two Spindle Drill Press, as shown less motors, belt guards and stand.

D903 Three Spindle Drill Press, less motors, belt guards and stand.

D904 Four Spindle Drill Press as shown, less motors, belt guards and stand.

D906 Six Spindle Drill Press, less motors, belt guards and stand.

Note: Specify "MT" (ex: D901 MT) on any of above if desired with optional #1 Morse taper socket spindles (no chuck).

MODEL LISTING

9D60 Pair of cast iron legs for multi-spindle models only.

D906 requires 1½ pairs.

9D55 Belt Guard.

Electrical Equipment:

For single phase—

KAB5E ½ H.P. 115/230 volt, 60 cycle, 1740 R.P.M. single phase capacitor start motor.

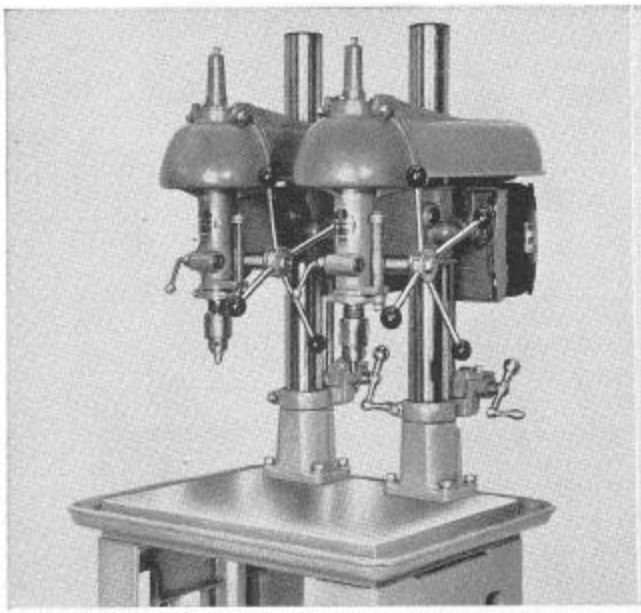
T55 On-off Toggle Switch for single phase only.

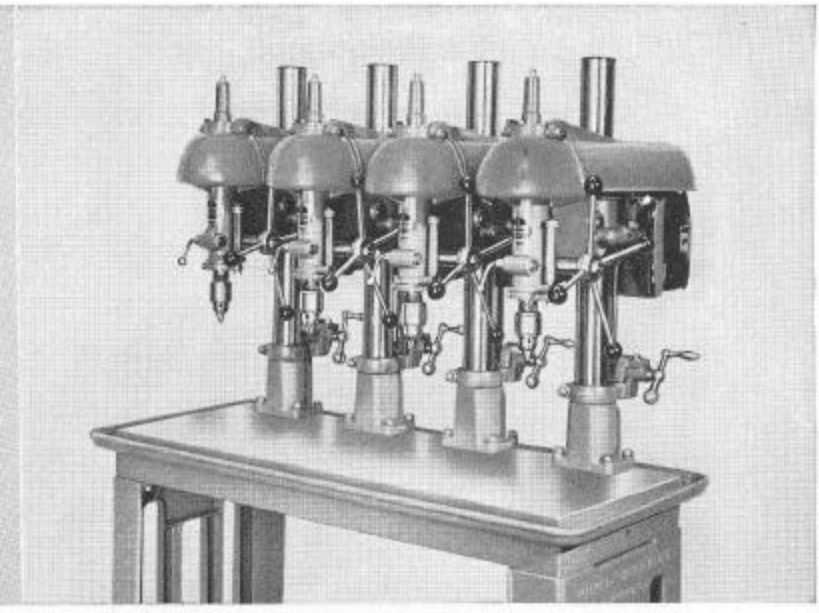
No. 14 Cord and plug for single phase only.

For three phase—

PAB5E ½ H.P. 220 volt, 60 cycle, 1740 R.P.M. three phase motor.

HD151A On-off push button switch for three phase or single phase motor.





• • • WALKER-TURNER 15 INCH DRILL PRESSES • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

BENCH AND FLOOR MODELS

Walker-Turner Drill Presses are designed to perform many operations in addition to drilling. With the proper attachments these machines may be adapted for sanding, grinding, mortising, shaping and many other wood and metal working operations. Its wide speed range makes it particularly adaptable for many types of work usually done on machines of this type. Four step spindle and motor pulleys develop speeds of 600, 1250, 2440 and 5000 R.P.M. when driven by a 1740 R.P.M. motor. Through the use of the Slo-Speed Attachment fifteen speeds ranging from 165 to 6750 R.P.M. may be obtained.

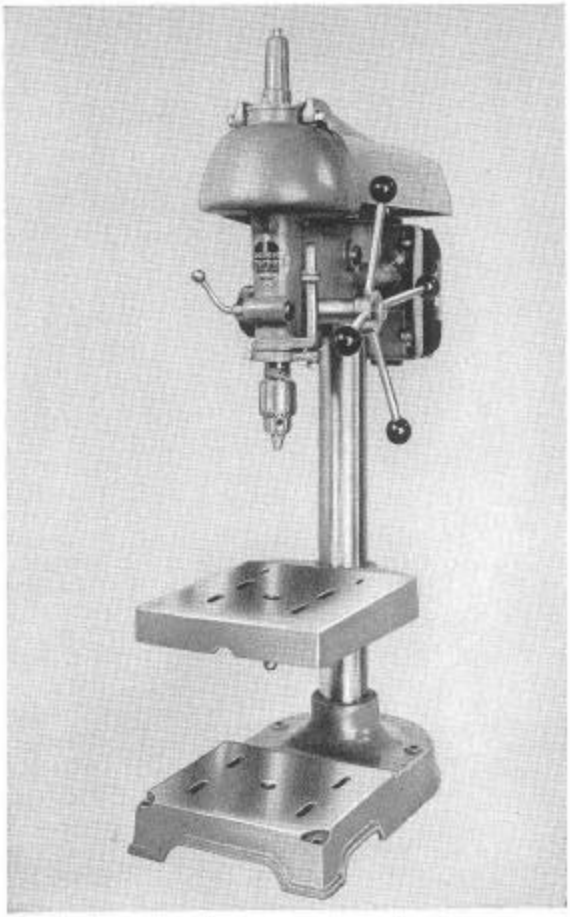
D-936

SPECIAL FEATURES

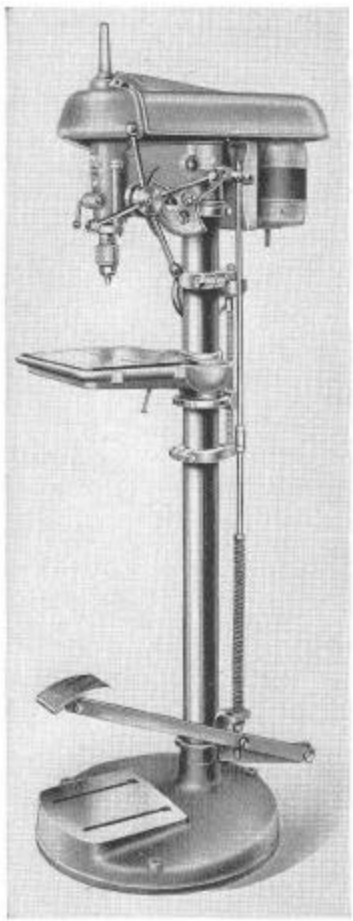
- Four ball bearings in head—one on each end of the pulley, two on the spindle.
- One piece head casting, completely machined in one setting for greater accuracy.
- Six spline floating spindle, tapered end to fit Jacob's chuck, ground on centers.
- Balanced pulleys.
- Accuracy greater than on many higher priced machines.
- Head and table may be swung to any position around the column.
- Round base on floor models affords greater portability.

SPECIFICATIONS (Bench and Floor Models)

SPINDLE TRAVEL: 4¼"
FOUR SPEEDS: 600, 1250, 2440 and 5000 R.P.M. using a 1740 R.P.M. motor.
CAPACITY: Bench Models—12" chuck to table, 17½" chuck to base. Floor Models—39½" chuck to table, 46" chuck to base. All models 7½" center of chuck to column. Drills to center of 15" circle.
CHUCK: #6A Jacobs key type capacity 0 to ½".
TABLE: 10" x 12¾" machined working area.
BASE: 10" x 9" machined working area on Bench Models. 11" x 9" machined working area on Floor Models.
SPINDLE: Six spline full floating type, ⅝" diameter, male #33 Jacobs taper for No. 6A Jacobs Chuck, or #1 Morse taper socket (optional)
PULLEY: Straddle mounted on two ball bearings for extra rigidity. New upper mounting permits quick belt changing.
COLUMN: Ground seamless steel tubing, 2¾" in diameter.
FEED CONTROL: Four bar type, ball ends.
SHIPPING WEIGHTS: Bench Models—140 lbs. Floor Models—D935-7 175 lbs., D936-8 191 lbs., FD961 270 lbs.



9D80N Foot Feed attachment, only for D-935-6-7-8 .....



FOOT FEED MODEL

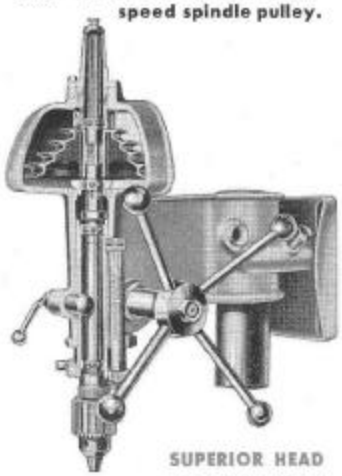
FD961 Foot Feed Drill Press as shown, including production table, foot feed attachment, table raising mechanism, belt guard, belt and motor pulley, less motor. Available at extra cost with slow speed spindle pulley.

D935 Floor Model Drill Press with standard table, including belt and motor pulley, less belt guard and motor.

D937 Floor Model Drill Press, same as D935 but with slow speed spindle pulley.

D936 Floor Model Drill Press, as shown, upper left, includes production table, belt guard, belt and motor pulley.

D938 Floor Model Drill Press, same as D936 but with slow speed spindle pulley.



SUPERIOR HEAD CONSTRUCTION

Permanent precision is assured by the use of four precision ball bearings mounted at strategic positions as shown above. The spindle pulley turns on two ball bearings, one mounted directly above the pulley, the other one directly below. This method of mounting relieves the spindle of all belt strain resulting in smoother and more accurate operation.

MODEL LISTING

D950 Bench Model Drill Press, includes belt and motor pulley, but less belt guard and motor.

D951 Bench Model Drill Press, slow speed, speeds: 480, 940, 1300, 2900 R.P.M. Belt and motor pulley included, but less belt guard and motor.

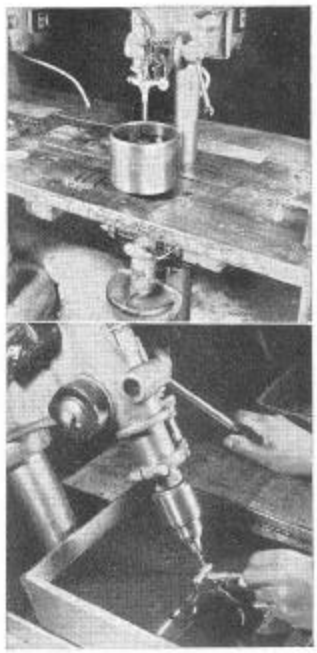
RECOMMENDED MOTORS (See page 6)

SPECIAL SET-UPS

9D13X 15" Drill Press Head Assembly includes chuck, motor pulley and belt. Supplied with standard spindle pulley. Slow speed pulley optional at extra cost.
9D11 Ground Steel Column 2¾" x 31"
9D55 Belt Guard.

15" DRILL PRESS HEADS

Walker-Turner 15" Drill Press Heads, because of their design and construction are ideal for adaptation in special set-ups and for special operations. They can be operated at unusually high speeds for this type of machine, and they will operate in any position. They can be built into special machines, their low cost permits their use as single purpose machines. The spindle construction used on these Drill Heads permits using special tools on the spindle in place of the conventional chuck. The two illustrations on the right show a high speed drilling operation using extremely small drills. To insure proper cooling, the work is submerged in the coolant. The upper photo illustrates a similar operation, with two holes being drilled simultaneously. Drilling from underneath in this manner is particularly advantageous when chip removal is a problem.



• • • WALKER-TURNER 15 INCH DRILL PRESSES • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

ACCESSORIES

This attachment, when clamped to the drill press quill holds the mortising chisel in position. It is easily attached in place of the stop collar.

9D95 Mortising Attachment

This Hold-down and Guide is sturdy and readily adjusted for guiding the work and holding it down when the mortising chisel is withdrawn.

9D90 Hold-down and Guide

Hollow Chisels and Bits. These tools are made for heavy production work.

HCS4 ¼″ Hollow Chisel
HCS6 ⅜″ Hollow Chisel
HCS8 ½″ Hollow Chisel
HC25A ¼″ Bit
HC38A ⅜″ Bit
HC50A ½″ Bit

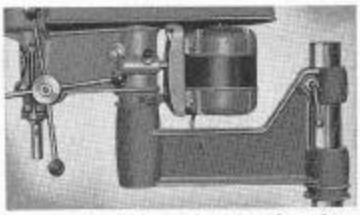
For sharpening mortising chisels, this stone simplifies the problem of keeping them in good condition. It can be used on the drill press, in the Jacobs Chuck.

D Grinding Shape

This adapter is attached to the drill press spindle in place of the Jacobs Chuck. It can be used to hold any accessories having ½″ diameter holes.

9D5 Threaded Adapter

SANDING DRUMS ⅛″ Shaft
DS30 3″ x 1″ Sanding Drum, one sleeve
DS20 2 3/16″ x 1″ Sanding Drum
DS15 1½″ x 1″ Sanding Drum
DS30C 6 coarse sleeves for DS30
DS30F 6 fine for DS30
DS20C 6 coarse sleeves for DS20
DS20F 6 fine for DS20
DS15C 6 coarse sleeves for DS15
DS15F 6 fine for DS15



Increases the distance between the column and the chuck to 24″. For light drilling, it will fit all models of the 15″ Drill Press.

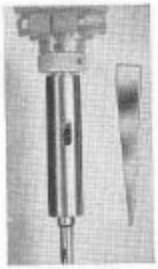
9D6 Extension Arm complete

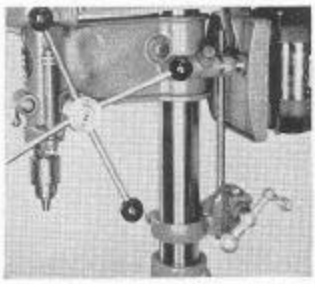
Provides additional speed range for 900 Series Drill Presses, ten speeds from 165 to 6750 R.P.M.

9D113 Slow Speed Attachment complete

Fits the drill press spindle in place of the Jacobs Chuck.

9MT1 Morse Taper Adapter

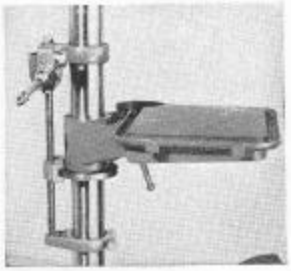




The Head Raising Mechanism shown at the left will fit all models of the 15″ Drill Presses. Positive screw action, easy to operate, it will function with the head and column in any position. The raising and lowering mechanism is moveable around the column with the head assembly.

9D75 Head Raising Mechanism, for bench models.

9D76 Head Raising Mechanism, for foot feed model only.

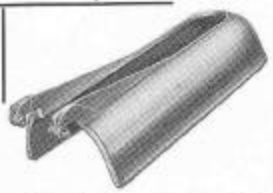


The Production Table and Raising Mechanism is supplied for use on all floor types 15″ drill presses. Table has a ground working area 12″ x 10″. A coolant trough around the edge of the table has an outlet threaded to take standard ½″ pipe.

Table Raising and Lowering Mechanism is actuated by a screw assuring smooth, easy operation of the table. Made only for Production Table.

9D65N Production Table only.

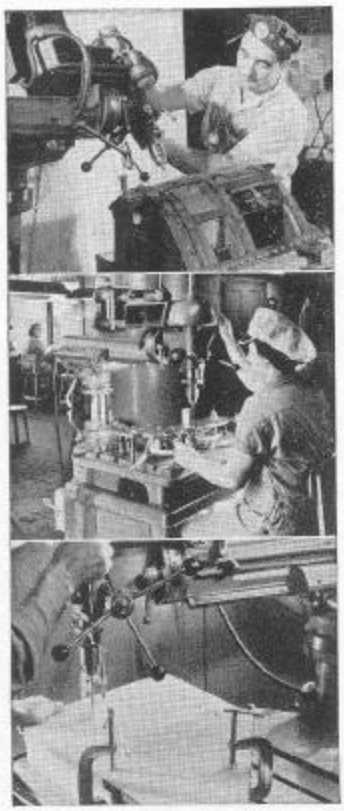
9D66 Table Raising Mechanism only.



Cast aluminum belt guard. Easily tilted out of the way for changing speeds.

9D55 Belt Guard, including studs for attaching.

• WALKER-TURNER RADIAL DRILL PRESS •



SPECIFICATIONS

SPINDLE: Six spline, full floating type, mounted on two precision ball bearings. Spindle nose tapered to fit No. 6A Jacobs chuck. No. 1 Morse taper socket optional.

SPINDLE TRAVEL: Standard model 4¼″. Special models available on order having 6″ travel.

SPINDLE SPEEDS: Fifteen, from 160 to 8300 rpm. using a 1740 rpm motor. 110 to 5400 rpm. using an 1140 rpm. motor.

PULLEY: Straddle mounted between two ball bearings for extra rigidity. All belt thrust is absorbed by pulley.

HEAD: One piece gray iron casting, line bored. Wedge type locks on column and quill eliminate slitting and possible deformation of head casting.

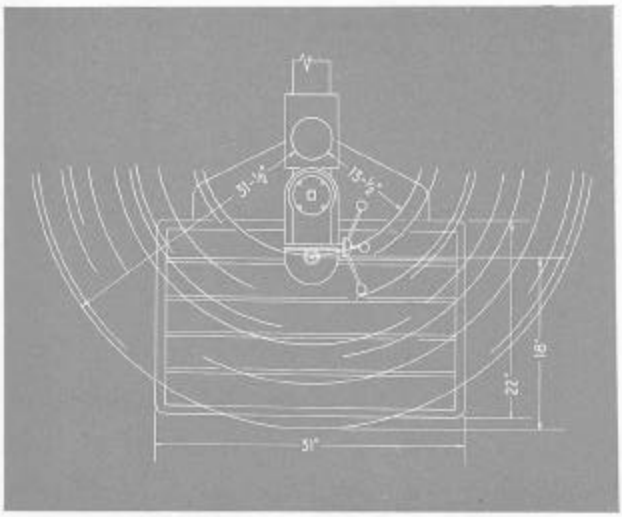
TABLE: Cast iron, machined surface 26″ x 18″. Four 'T' slots running full width. Oil trough around edge is tapped to accommodate ½″ pipe.

DIMENSIONS: Overall Height 68½″, Width 31″, Depth 58″.

CHUCK TO TABLE: Maximum distance, 16½″.

RAM TRAVEL: Maximum 18″.

COLUMN TO CENTER OF DRILL: Maximum 31″, minimum 13″.



The drawing above illustrates the unusual under-the-drill capacity for a drill press of this size. Drill to the center of a 62″ circle, or locate the drill anywhere on sheet stock up to five feet wide. In addition the drill head can be swung clear of the table for work that must be kept on the floor.

This unusual capacity makes the Walker-Turner Radial Drill ideal for working on ply-wood, sheet stock of all types, switch board panels and other large work.

Ruggedness, versatility, accuracy and ease of operation are the outstanding features of the Walker-Turner Radial Drill Press.

• • • WALKER-TURNER RADIAL DRILL PRESS • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

FEATURES

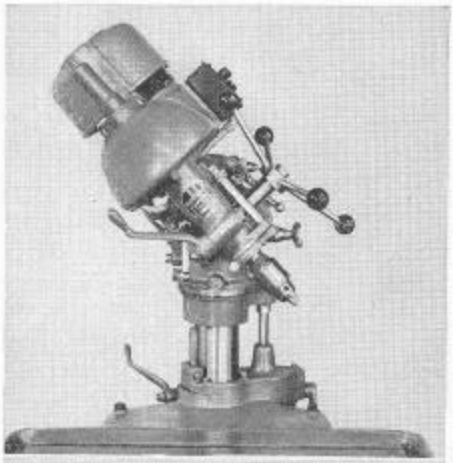
Walker-Turner Radial Drills have been time and service tested in all types of manufacturing plants in many parts of the world. Their adaptability and their performance under severe production demands have won a definite industrial recognition for them.

Manufacturers have found these Radial Drill Presses particularly valuable wherever large, cumbersome or heavy pieces of work make it easier to move the drill head than to move the work. They will handle all drilling and tapping jobs up to ½" in cast iron with the efficiency of a larger machine whose capacity may be wasted on the small job.

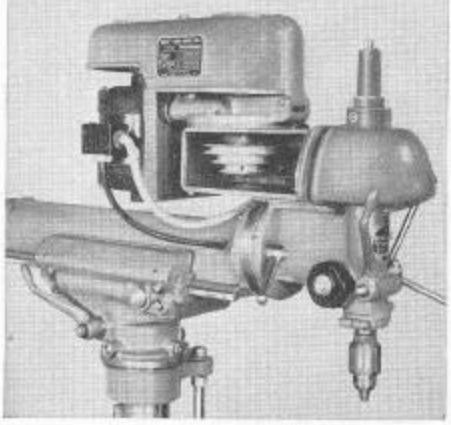
The Walker-Turner Radial Drill Press features a built-in ball bearing jackshaft which greatly widens its speed range and usefulness. When using an 1140 rpm. motor, fifteen speeds from 110 to 5400 rpm. are available. With a 1740 rpm. motor this speed range is increased to 160 to 8300 rpm. The Radial Drill is equipped with a ball thrust bearing on the column support collar which makes moving the drill to any point within its range an almost effortless operation. The drill head, ram and cradle may be swung in a complete circle around the column. A quick action lock secures the drill in any position and assures a minimum amount of deflection.

The ram supporting the drill head rolls on eight precision ball bearings mounted in a supporting cradle. These ball bearings permit rapid adjustment without lost motion, the ram can be locked in any position with a quarter turn of the conveniently located lock handle.

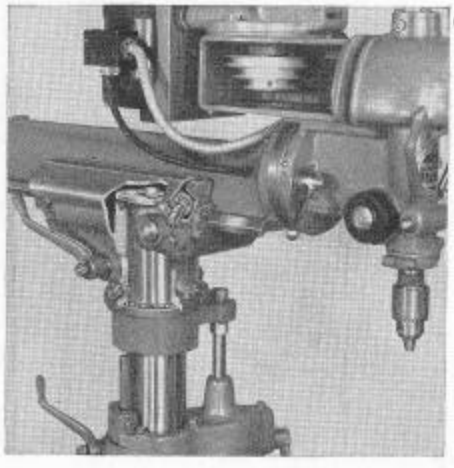
A



B



C



A. The drill head and motor assembly can be tilted in either direction to any angle up to 45°.

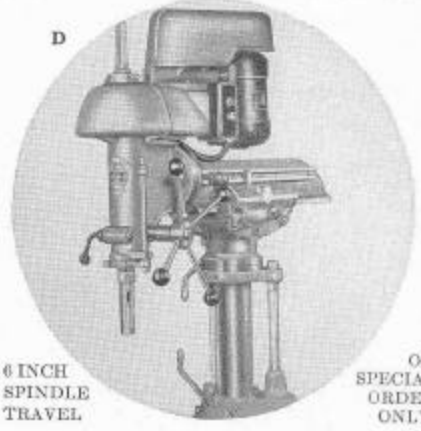
B. Fifteen spindle speeds: 160, 330, 340, 580, 670, 680, 1000, 1200, 1300, 2000, 2160, 2700, 4000, 4700 and 8300 rpm. when using a 1740 rpm. motor. Speeds are proportionately lower when an 1140 rpm. motor is used.

C. This illustration (below) shows the ball bearing thrust collar that carries the head and ram assembly. This bearing greatly facilitates moving the ram and drill head.

D. Special head assemblies having 6" spindle travel in place of the standard 4¼". These heads are made to order only at a small extra charge.

RD1175J Radial Drill Press, less stand and motor, but including on-off switch, 0 to ½" Jacobs chuck, belt guard, motor pulley and belts. .....
RA432XD Floor Stand. .....
KAB5E ½ H.P., 115/230 volt, 60 cycle, single phase, 1740 rpm. motor. .....
PAB5E ½ H.P., 220/440 volt, 60 cycle, three phase, 1740 rpm. motor. .....
No. 14 Ten foot extension cord and plug.
RD311XJ Standard Head Assembly, including jackshaft, Jacobs chuck, belt guard and belts.
Note: Radial Drills having 6" spindle travel are available on special order.
Radial Drills equipped with 12" longer column are available on special order.

D



6 INCH SPINDLE TRAVEL

ON SPECIAL ORDER ONLY.

• • • "1100" SERIES RADIAL SAWS • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

3 H.P. 1 PHASE
5 H.P. 3 PHASE
4¼" CAPACITY
12" BLADE

MODEL LISTING

RA1140 Radial Saw, 3 h.p. single phase as shown including 12" combination blade, wood table, saw guard, motor and overload release, less stand.

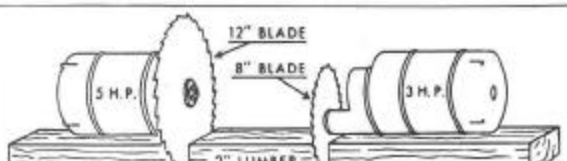
RA1145 Radial Saw, 5 h.p. three phase, as shown, including 12" combination blade, wood table, saw guard and motor, less stand.

RA432X Floor Stand

ACCESSORIES

(Illustrated on page 23)

9B2 10" Cross cut Blade ¾" hole
9B2R 10" Rip Blade ¾" hole
9B2C 10" Combination Blade ¾" hole
9B2H 10" Hollow Ground Blade ¾" hole
11B3 12" Cross cut Blade ¾" hole
11B3R 12" Rip Blade ¾" hole
11B3C 12" Combination Blade
11B3H 12" Hollow Ground Blade ¾" hole
9B36S 6" Dado Head—13/16" wide, ¾" hole
11B36 8" Dado Head—13/16" wide, ¾" hole
RA23X Sash Set ¾" hole
Consists of:
RA230-1 Cope cutter
RA230-2 Rabbeting cutter
RA235-5 Spacing Washer
RA235-3 Straight Faced cutter
RA235-2 Sash cutter
RA225 Molding Head ¾" hole
RA225-1 Straight Face Knives for above
RA225-3 Stair Nosing Knives for above
RA225-6 Radius Cutter for above
RA225-7 Tongue and Groove cutter for above



12" Blade Cuts . . 4¼"
10" Blade Cuts . . 3¼"
8" Dado Cuts . . . . 2¼"
6" Dado Cuts . . . . 1¼"
2" x 8" Jack Rafters are cut with 10" saw.

W-T GEARED MOTOR, a new development in PRECISION GEARS insures smoother, more efficient operation. Geared motor permits use of smaller blades. Cuts power consumption and blade costs. Saves material.

SPECIFICATIONS

TABLE TOP: Hardwood 46" x 24". Removable center fence with quick change wedges.
ARBOR: ¾"
COLUMN: Precision ground 3¾" diameter. 8½" travel.
UNIVERSAL HEAD: Motor swivels to all operating positions and is instantly located by self-indexing, tapered latches at vertical, horizontal and 45° positions. Graduated scale shows position of saw blade and arm in degrees.
CAPACITY:

8" Dado Head cuts 2¼" deep
10" Blade cuts 3¼" deep
12" Blade cuts 4¼" deep

SAW TRAVEL: Ram travel 21½". Maximum cut with 8" blade on 1" stock 19½"; on 4" lumber using 12" blade 16½".
DIMENSIONS: Height overall 66". Floor space 4' x 5'.
SHIPPING WEIGHT: Both models 695 lbs.

- *Swings, Tilts, Locks in any position . . .*
- *Geared Motor Cuts Blade and Power Costs . . .*
- *Gliding Ram travels 21½" . . .*
- *Eight Ball Bearings in Ram . . .*
- *Unobstructed View of work . . .*
- *Double Safety Anti-Kick Backs*

- **RIP** • **BEVEL RIP**
- **CROSS-CUT**
- **DADO** • **MITER**
- **COMPOUND MITER**
- **BEVEL CROSS-CUT**
- **PLOUGH**
- **GROOVE**
- **TENON**
- **SHAPE** • **ROUT**

• • • "1100" SERIES RADIAL SAWS • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

FEATURES

MODERN DESIGN: Correct mechanical principles—balanced power—skillful arrangement for taking care of structural stresses and strains so accurate performance is assured and maintained.

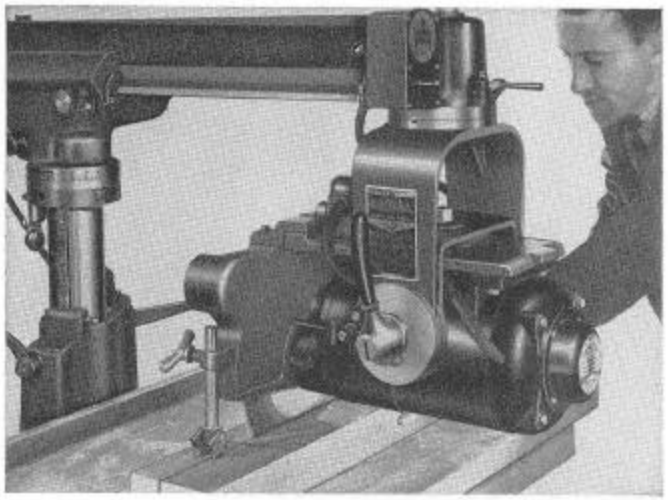
GLIDING RAM: Moves 21½″ with finger touch lightness on 8 precision Ball-Bearings. Operator has clear view of work and no interference from overhanging arm extending out over the table.

UNIVERSAL HEAD: Convenient locating latches and locking levers for quick change and rigid setting. Mechanical adjustments for maintaining accurate alignment.

MAPLE TABLE TOP: Selected kiln dried maple laminated—46″ x 24″—removable center fence with quick change wedges. Rigidly supported on ONE PIECE base extending out under table to support it and insure ACCURACY.

SAFETY GUARD: With adjustable segment for covering otherwise exposed part of saw blade—double kick-backs provided both front and rear.

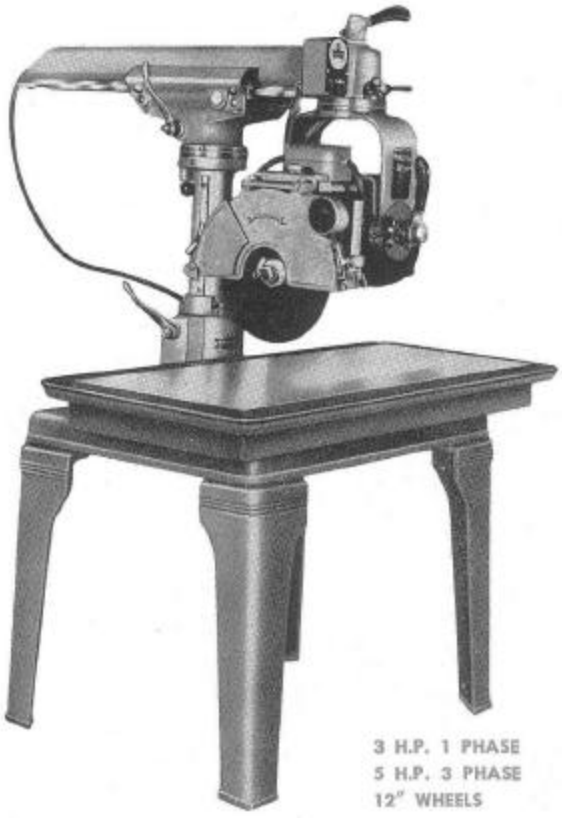
UNEQUALLED CAPACITY: Rips 38″ wide. Travels 21½″ to cut material 4¼″ deep with 12″ blade. For mitering, compound mitering, shaping and routing its capacity is unequalled.



DOUBLE SAFETY ANTI-KICK BACKS FOR RIPING: One on either end of the guard. One controls work as it feeds in, the other controls work as it leaves the blade. W-T Special Safety Guard available at slightly extra cost.

EIGHT BALL BEARINGS: (4 on either side)—spaced in cradle of ram housing for smooth operation.

METAL CUTTING RADIAL SAW



3 H.P. 1 PHASE
5 H.P. 3 PHASE
12″ WHEELS

MODEL LISTING

MRA1123 Metal-cutting Radial, as shown with cast iron table, 3 h.p., 60 cycle, single phase motor and overload release switch, less floor stand and abrasive wheel

MRA1125 Metal-cutting Radial, as shown with cast iron table, 5 h.p., 60 cycle, three phase motor, less floor stand and abrasive wheel

RA432X Floor Stand

ABRASIVE CUT-OFF WHEELS

237M Abrasive Cut-off Wheel, 12″ Diameter
225M Abrasive Cut-off Wheel, 12″ Diameter
465M Abrasive Cut-off Wheel, 12″ Diameter
236M Abrasive Cut-off Wheel, 12″ Diameter
56M Abrasive Cut-off Wheel, 12″ Diameter
53M Abrasive Cut-off Wheel, 12″ Diameter
123M Abrasive Cut-off Wheel, 12″ Diameter
21M Abrasive Cut-off Wheel, 12″ Diameter

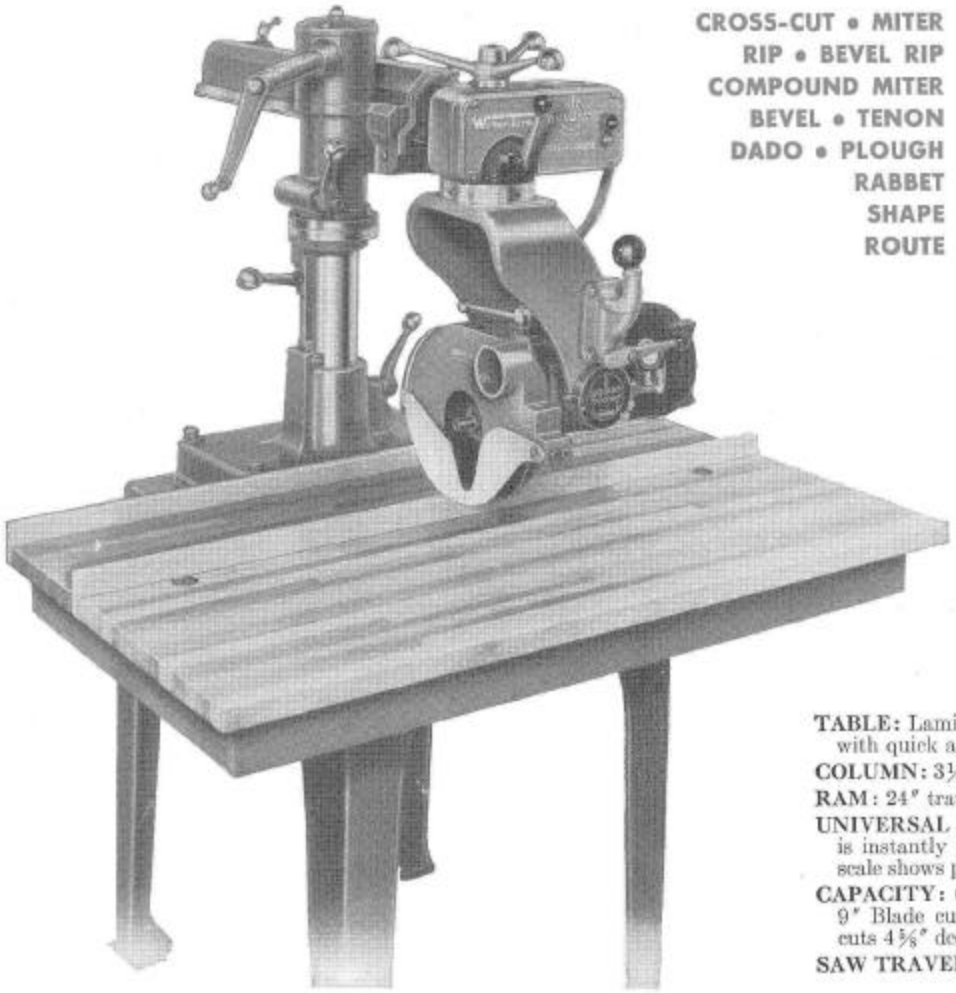
Classification	Group	Material	Wheel
FERROUS METALS	High Carbon	High Speed Stellite Hardened	237-M
	Low Carbon	Cold Rolled Angle Iron Steel Pipe	225-M
	Tubing Molding	Sheet Iron Thin Wall Tubing Moldings	465-M
NON-FERROUS METALS	Solids Tubing Shapes Sheets	Brass, Bronze Copper Aluminum Magnes (Dow Met)	236-M
CERAMICS	HARD	Porcelain Vitrous Tile Slate, Marble	56-M
	MEDIUM	Fire Brick Limestone Brake Lining	53-M
	SOFT	Build-Tile Transite Terra Cotta	123-M
PLASTICS	MEDIUM	Bakelite Catalin Hard Rubber	21-M

GENERAL RECOMMENDATIONS are made for various materials. EVERY MATERIAL PRESENTS A SLIGHTLY DIFFERENT CUTTING PROBLEM. Solid bars and thin wall tubing of the SAME material require different treatment. It is IMPORTANT that you get the right blade or abrasive wheel.

ABRASIVE WHEELS listed are for general purpose. 12″ diameter — 3/32″ thick — ¾″ hole. Responsible abrasive wheel manufacturers render free engineering service and make recommendations if you submit a sample of the material to be cut and request a wheel of suitable grit, bond, structure, hardness, etc., for efficiently cutting the material to give desired finish and maximum number of cuts per wheel.

• • "900" SERIES CENTR-PIVOT RADIAL SAWS • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION



CROSS-CUT • MITER
RIP • BEVEL RIP
COMPOUND MITER
BEVEL • TENON
DADO • PLOUGH
RABBET
SHAPE
ROUTE

MODEL LISTING

RA901 Radial Saw, 1½ hp. single phase, 115/230 volt, 60 cycle motor, hard wood table top, legs, saw guard and 9" Combination blade.....

RA902 Radial Saw, 1½ hp., three phase, 220/440 volt, 60 cycle motor, hard wood table top, legs, saw guard and 9" Combination blade.....

RA903 Radial Saw, 2 hp., single phase, 115/230 volt, 60 cycle motor, hard wood table top, legs, saw guard and 12" Combination blade.....

RA904 Radial Saw, 3 hp., three phase, 220/440 volt, 60 cycle motor, hard wood table top, legs, saw guard and 12" Combination blade, ¾" arbor .....

Basic Units consisting of the Radial Saw less Wood Table Top, Base and Legs are available in any of the four models listed above.

RA908 1½ hp., single phase

RA909 1½ hp., three phase

RA910 2 hp., single phase

RA911 3 hp., three phase

Saw Blades and Dado Heads pages 14 and 15

Moulding Heads and Shaper Cutters, page 23

SPECIFICATIONS

TABLE: Laminated hard wood, 46" x 24", removable center fence with quick acting locks.

COLUMN: 3¼" diameter, raises 7¾".

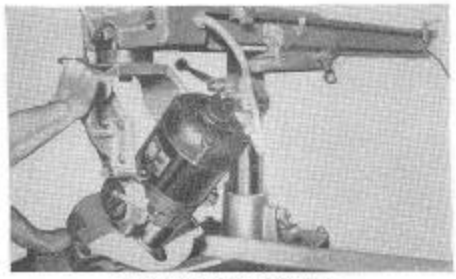
RAM: 24" travel, adjustable stops on graduated bar.

UNIVERSAL HEAD: Motor swivels to all operating positions and is instantly positioned by self-locating taper latches. Graduated scale shows position of saw in degrees.

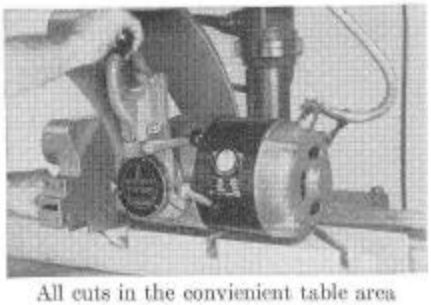
CAPACITY: 6" Dado cuts 1⅝" deep. 8" Blade cuts 2⅝" deep. 9" Blade cuts 3⅛" deep. 10" Blade cuts 3⅝" deep. 12" Blade cuts 4⅝" deep.

SAW TRAVEL: Rips to center of 48" panel.
See chart on page 13.

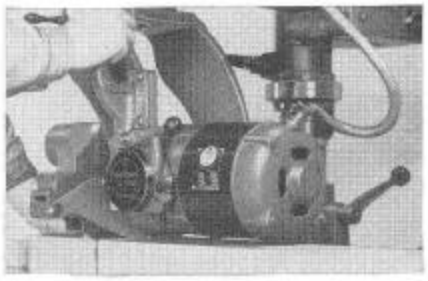
NEW W-T OFF-SET DRIVE for GREATER EFFICIENCY



Provides full visibility



All cuts in the convienient table area

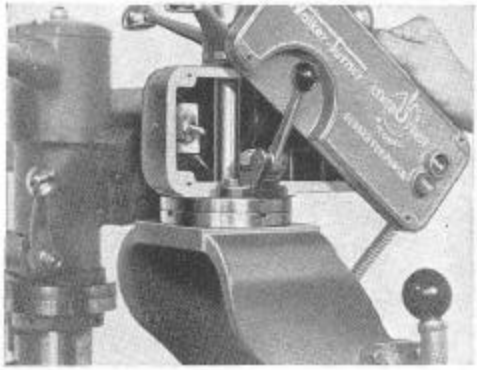


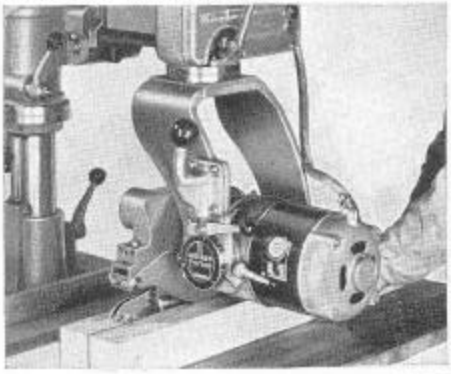
Deeper cut with smaller blade

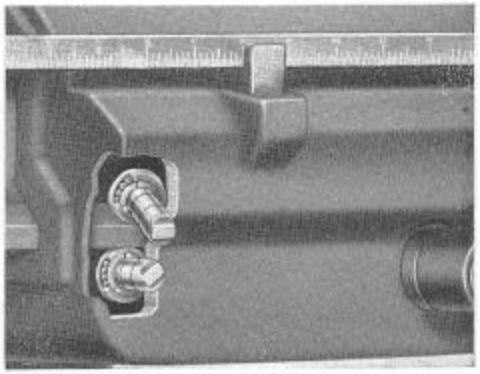
ELECTRICAL CONNECTIONS
On-off Push Button Motor Control Switch conveniently located at head of ram. Quick voltage change toggle switch for changing over 115 or 230 volts, single phase.

EXTRA PROTECTION
Safe operation—even for students. New type guard completely covers the blade at all times in all operating positions. Splitter and anti-kick-back pawls for ripping.

EFFORTLESS OPERATION
Ram travels on eight precision ball bearings, placed for utmost support and balance. Bearings are adjustable.



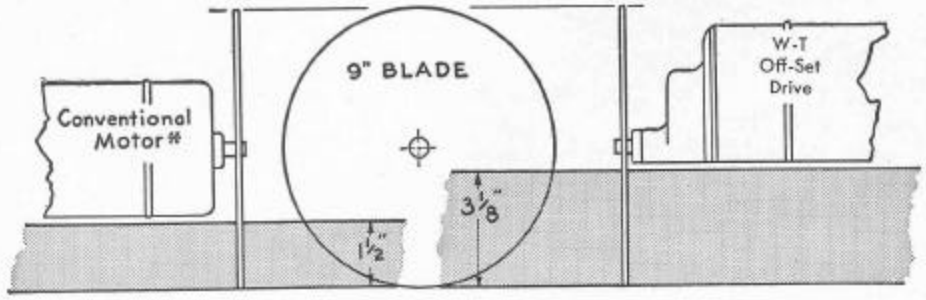




• • "900" SERIES CENTR-PIVOT RADIAL SAWS • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

INCREASED EFFICIENCY



* 1½" with average 1 H.P. motor, less with larger motors

SOME ADVANTAGES OF THE WALKER-TURNER OFF-SET DRIVE

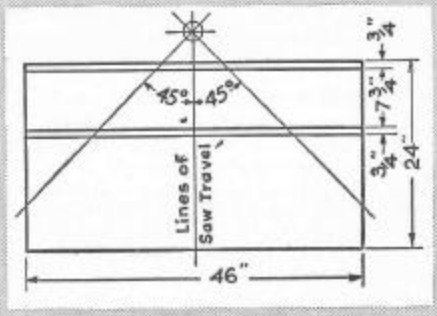
More capacity. The mechanical advantage gained by the lowered saw spindle means: greater capacity with smaller blades—more rim force at the saw tooth resulting in higher cutting efficiency.

Less power consumption. Smaller blades require less power, less power means smaller diameter extension cords or wiring. It all adds up to more economical operation in the shop or on the job.

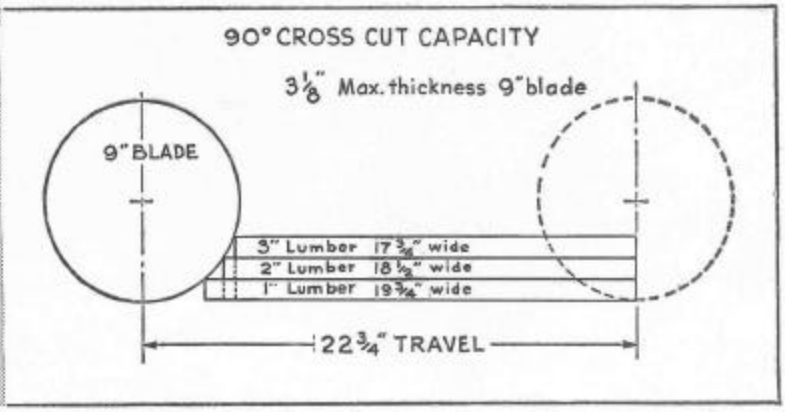
Positive drive. The W-T Off-Set Drive offers the positive drive of gears, the quiet operation of a rubber belt, maintenance-free operation. The Synchro Belt does not use frictional grip for the transmission of power, the pulling element consists of 30 steel cables which reduce stretch to practically zero, and permit extremely low bearing pressure.

INCREASED CAPACITY

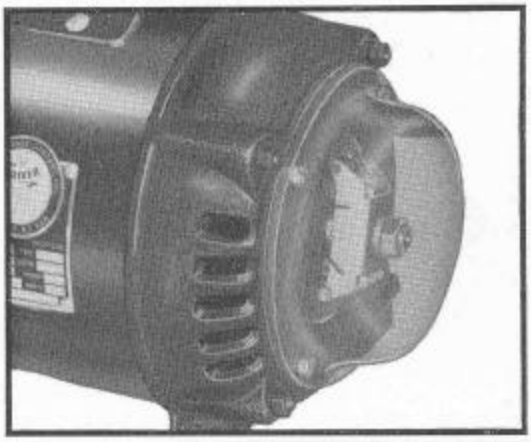
EXTRA LARGE WORK AREA ON TABLE



90° CROSS CUT CAPACITY



INCREASED VERSATILITY

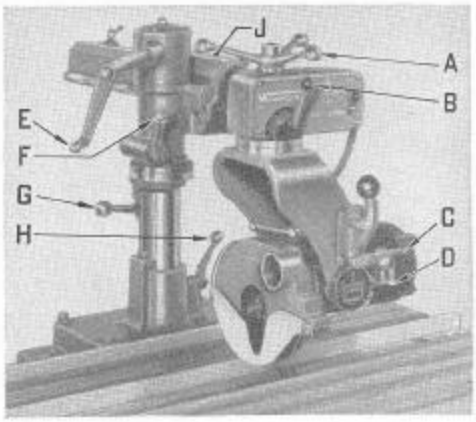


DEPENDABLE W-T MOTORS

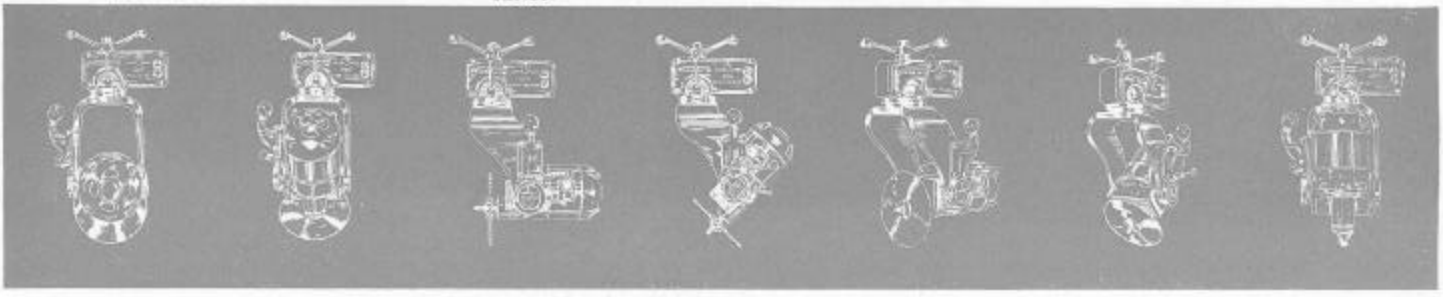
Now, for the first time a completely enclosed cut-out switch make W-T motors more dependable than ever. Wherever single phase motors are exposed to saw dust or other air-borne matter, the cut-out switch has been a source of annoyance. This new exclusive Walker-Turner development eliminates all this trouble by completely isolating the switch from the air stream used in cooling the motor.

CONVENIENT CONTROLS

A. Pivot Lock Handle. B. Pivot Locating Latch. C. Bevel Locating Latch. D. Bevel Lock Handle. E. Elevating Crank. F. Angle Lock. G. Angle Locating Latch. H. Column Lock. J. Ram Lock.

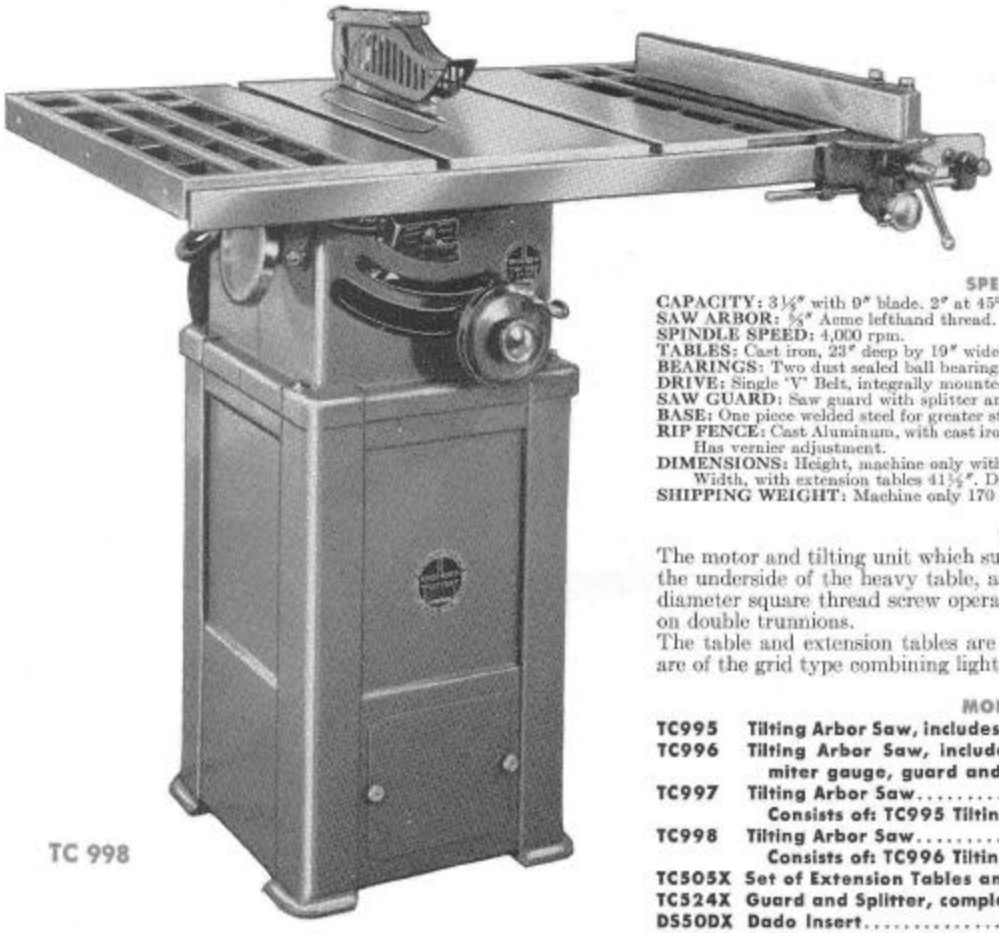


RIP... RIGHT OR LEFT HAND | BEVEL RIP... | CROSS CUT... DADO TENON | BEVEL CROSS CUT... NOTCH | MITER... PLOUGH | COMPOUND MITER... RABBET | SHAPE... ROUT



• • WALKER-TURNER 9 INCH TILTING ARBOR SAW • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION



TC 998

A NEW TILTING ARBOR SAW

SPECIFICATIONS

CAPACITY: 3⅛" with 9" blade. 2" at 45°. 6" Dado-1⅝".
SAW ARBOR: ⅝" Acme lefthand thread. 13/16" Dado width.
SPINDLE SPEED: 4,000 rpm.
TABLES: Cast iron, 23" deep by 19" wide; with extensions 23" x 37".
BEARINGS: Two dust sealed ball bearings on saw spindle.
DRIVE: Single "V" Belt, integrally mounted with constant pulley center distance.
SAW GUARD: Saw guard with splitter and two anti-kick back pawls.
BASE: One piece welded steel for greater strength. Sub-base is of same construction.
RIP FENCE: Cast Aluminum, with cast iron support bracket with spring loaded alignment feature. Has vernier adjustment.
DIMENSIONS: Height, machine only with guard 17¼", mounted on sub-base, table to floor 35". Width, with extension tables 41½". Depth, 40½".
SHIPPING WEIGHT: Machine only 170 lbs., Sub-base 32 lbs.

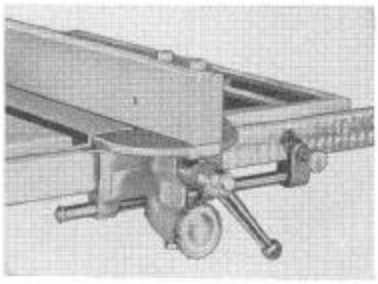
FEATURES

The motor and tilting unit which supports the saw arbor are securely attached to the underside of the heavy table, assuring utmost rigidity and stability. A large diameter square thread screw operates the tilting mechanism which is suspended on double trunnions.

The table and extension tables are made of cast iron, heavily ribbed; extensions are of the grid type combining light weight and rigidity.

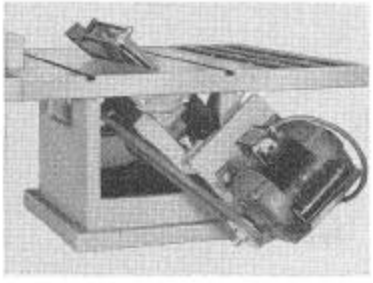
MODEL LISTINGS

TC995	**Tilting Arbor Saw, includes 9" combination blade, belt and motor pulley.**
TC996	**Tilting Arbor Saw, includes 9" combination blade, extension tables, miter gauge, guard and splitter, belt and motor pulley**
TC997	**Tilting Arbor Saw. Consists of: TC995 Tilting Arbor Saw and TC540 Sub-base.**
TC998	**Tilting Arbor Saw. Consists of: TC996 Tilting Arbor Saw and TC540 Sub-base.**
TC505X	**Set of Extension Tables and Bolts**
TC524X	**Guard and Splitter, complete**
DS50DX	**Dado Insert**
MG90	**Self-indexing Miter Gauge**
TC540	**Sub-base, welded steel**
TS5L	**On-off Toggle Switch, for single phase only**
14	**10 ft. Extension cord and plug, for single phase**
KEB5F	**½ hp., 3450 rpm., 115/230 Volt, 60 Cycle, Single Phase**
KEB7F	**¾ hp., 3450 rpm., 115/230 Volt, 60 Cycle, Single Phase**
PEB5F	**½ hp., 3450 rpm., 220/440 Volt, 60 Cycle, 3 Phase**
PEB7F	**¾ hp., 3450 rpm., 220/440 Volt, 60 Cycle, 3 Phase**
TS6	**On-off Toggle Switch for 3 phase**

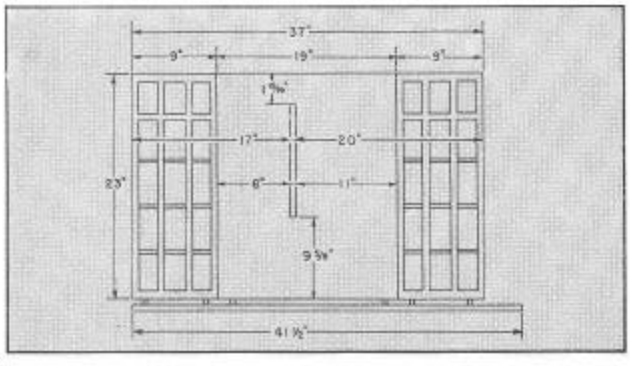


The cast aluminum rip fence is easy to adjust and will assure accurate work without the necessity of making a test cut. The graduated support bar, the adjustable pointer and the micro-adjustment simplify setting up. The fence is machined on both sides and may be used on either side of the blade.

The support bracket is spring loaded and is held in contact with the bar while adjustments are being made. This feature eliminates drag on the far end of the fence and keeps the fence parallel to the saw blade at all times.



The photo at left illustrates the motor mounting and the manner in which it tilts as a unit with the saw arbor. Note the heavy trunnions that support the entire mechanism on the saw table. The safety guard and splitter are always in line with the saw and provide protection regardless of the degree of tilt. At least one kick-back pawl is in contact with the work at all times.

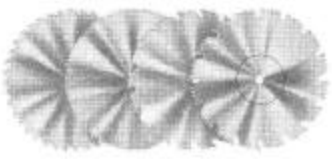


CUT-OFF WHEELS

G110 Abrasive Cut-off Wheel, for metal, 8" diameter, ⅝" bore

G111 Abrasive Cut-off Wheel, for ceramics, 8" diameter, ⅝" bore

SAW BLADES



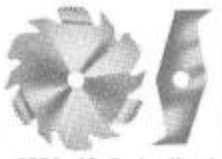
9B5 Cross-cut Blade, 9" diameter, ⅝" bore

9B5R Rip Blade, 9" diameter, ⅝" bore.

9B5C Combination Blade, 9" diameter, ⅝" bore

9B5H Hollow Ground Combination Blade, 9" diameter, ⅝" bore

DADO HEADS



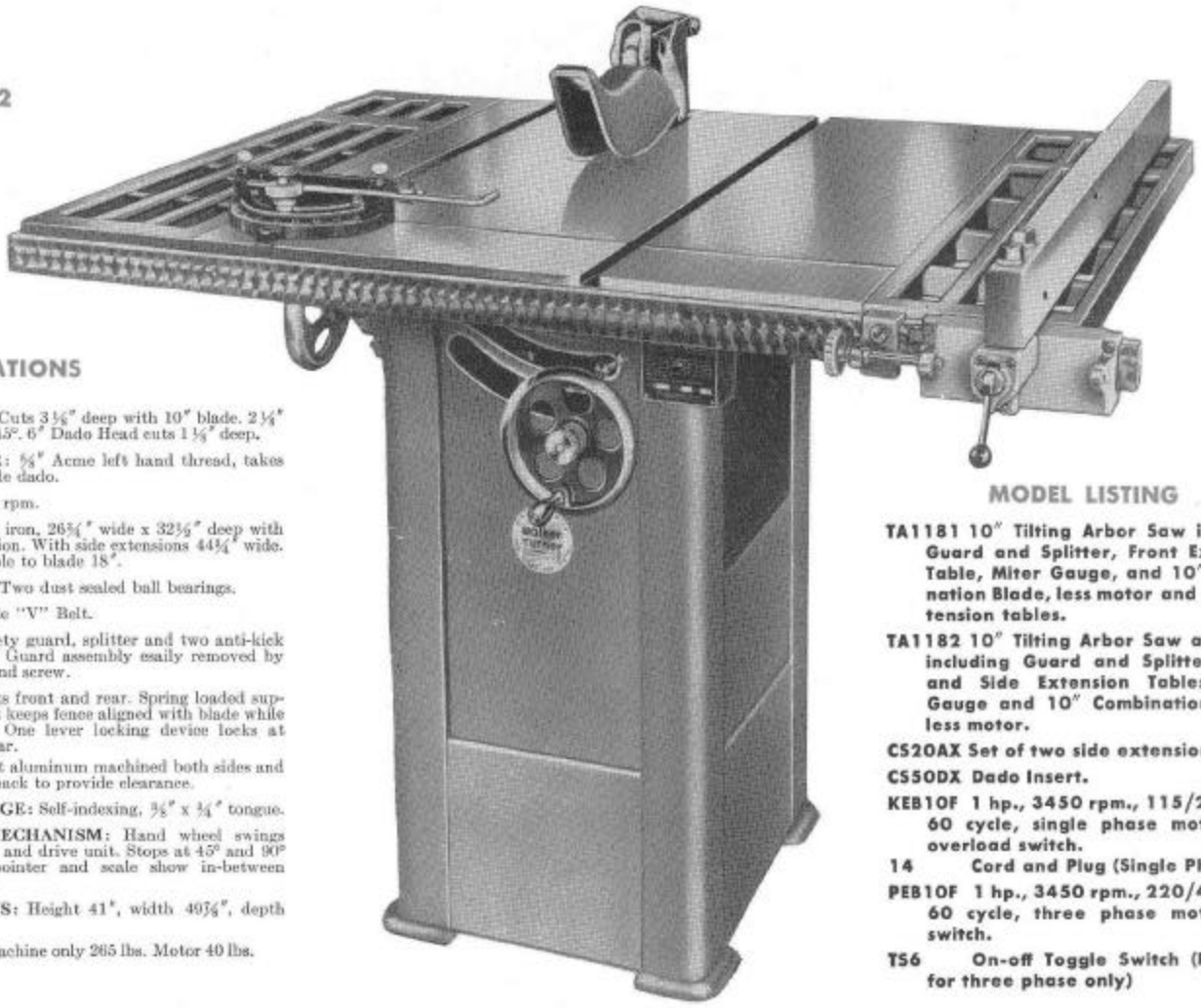
9B36 6" Dado Head, consisting of 2—⅛" Grooving saws, 2—⅛" Chippers, ¼" Chipper and 1—½" Chipper

The 9B36 Dado Head is the best of its type available. It will cut perfect grooves either with or across the grain.

• • WALKER-TURNER 10 INCH TILTING ARBOR SAW • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

TA1182



SPECIFICATIONS

CAPACITY: Cuts 3 1/16" deep with 10" blade. 2 1/4" material at 45°. 6" Dado Head cuts 1 1/8" deep.

SAW ARBOR: 5/8" Acme left hand thread, takes up to 1" wide dado.

SPEED: 3800 rpm.

TABLE: Cast iron, 26 3/4" wide x 32 1/2" deep with front extension. With side extensions 44 1/4" wide. Front of table to blade 18".

BEARINGS: Two dust sealed ball bearings.

DRIVE: Triple "V" Belt.

GUARD: Safety guard, splitter and two anti-kick back pawls. Guard assembly easily removed by means of hand screw.

FENCE: Locks front and rear. Spring loaded support bracket keeps fence aligned with blade while setting up. One lever locking device locks at front and rear.

Fence is cast aluminum machined both sides and relieved at back to provide clearance.

MITER GUAGE: Self-indexing, 3/8" x 1/4" tongue.

TILTING MECHANISM: Hand wheel swings entire arbor and drive unit. Stops at 45° and 90° positions; pointer and scale show in-between positions.

DIMENSIONS: Height 41", width 49 3/8", depth 38 3/4".

WEIGHT: Machine only 265 lbs. Motor 40 lbs.

MODEL LISTING

TA1181 10" Tilting Arbor Saw including Guard and Splitter, Front Extension Table, Miter Gauge, and 10" Combination Blade, less motor and side extension tables.

TA1182 10" Tilting Arbor Saw as shown including Guard and Splitter, Front and Side Extension Tables, Miter Gauge and 10" Combination Blade, less motor.

CS20AX Set of two side extension tables.

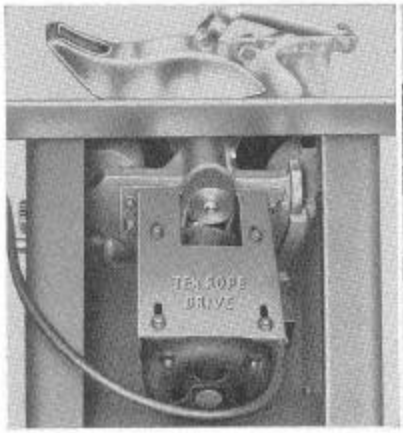
CS50DX Dado Insert.

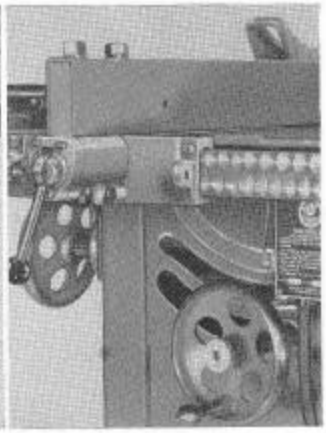
KEB10F 1 hp., 3450 rpm., 115/230 volt, 60 cycle, single phase motor with overload switch.

14 Cord and Plug (Single Phase)

PEB10F 1 hp., 3450 rpm., 220/440 volt, 60 cycle, three phase motor, less switch.

TS6 On-off Toggle Switch (Required for three phase only)

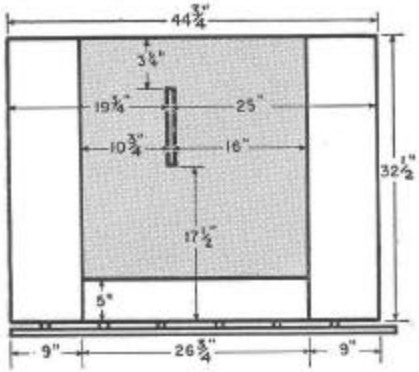




Extreme Left: View shows triple "V" belt drive, bearing housing and machined ways of elevating unit. Saw guard can be quickly removed by hand screw.

Left: Close-up of single control, front and rear locking rip fence. An ingenious lock secures fence at both ends with one quick, easy motion. Micrometer adjusting screw can be used on either side of the fence.

Right: Back view of machine showing clean-out door in base and locking tab on rear of fence.



CUT-OFF WHEELS

The metal cutting wheel will cut steel sheets, rods and tubes. The one for ceramics will cut tile, brick and so forth. 1/8" bore.....
G110—8" for metal.
G111—8" for ceramics.

SAW BLADES

9839R 10" rip .....
9839 10" crosscut.....
9839C 10" combination.....
9839H 10" hollow ground .....
Above blades, 1" bores.

DADO HEADS

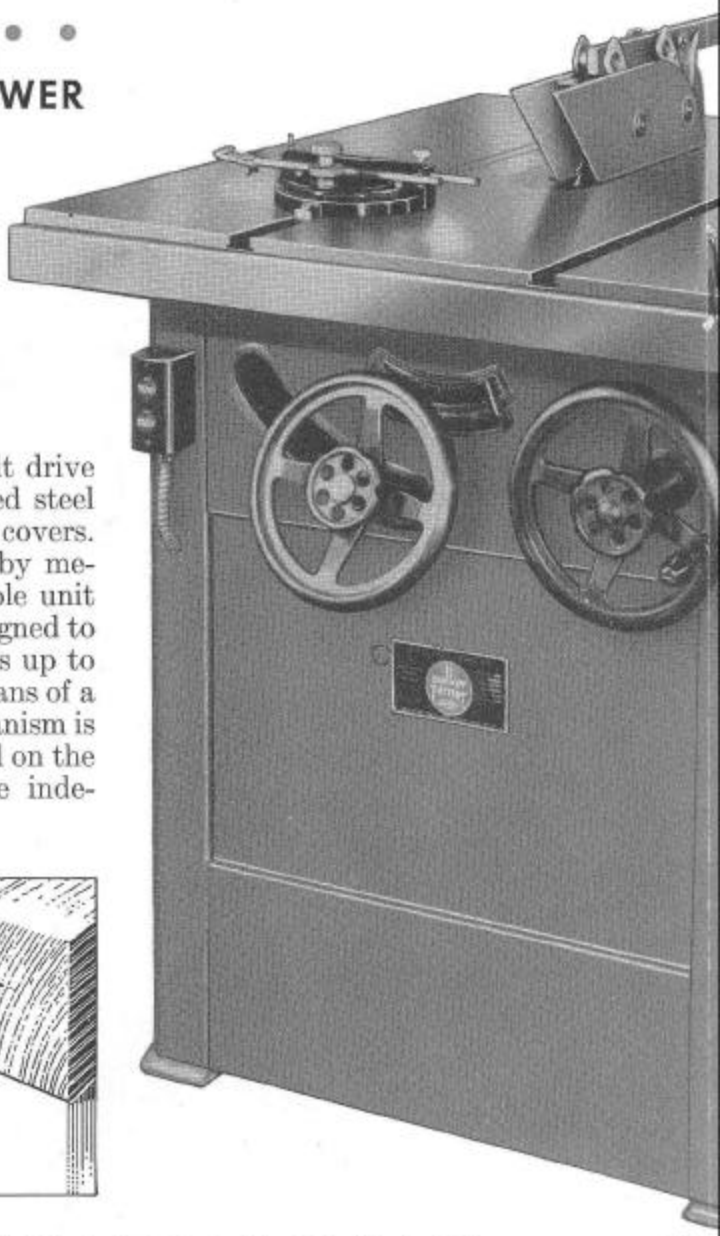
9836 6" as shown, consists of 2—1/8" chippers, 2—1/16" outside saws, 1—1/16" chipper, 1—1/4" chipper.....

• WALKER-TURNER 12 INCH TILTING ARBOR SAW •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

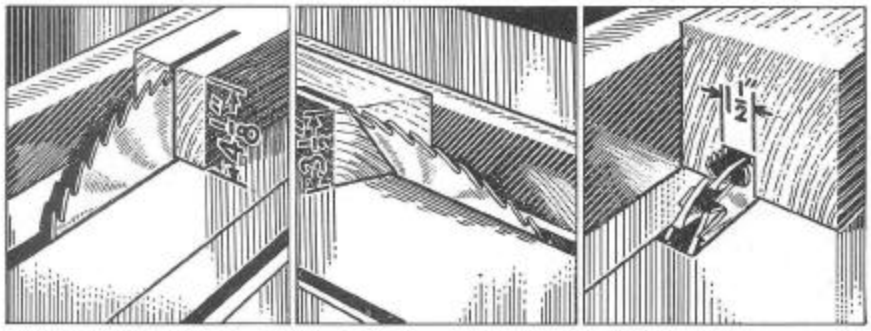
New • Big • Powerful • • •

5 HORSEPOWER • 3 HORSEPOWER

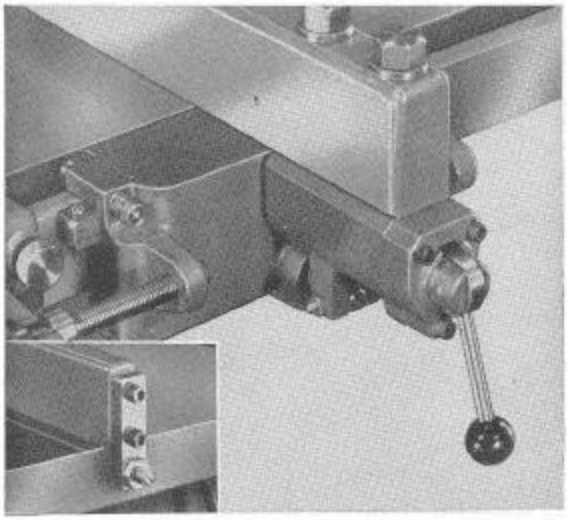


FEATURES

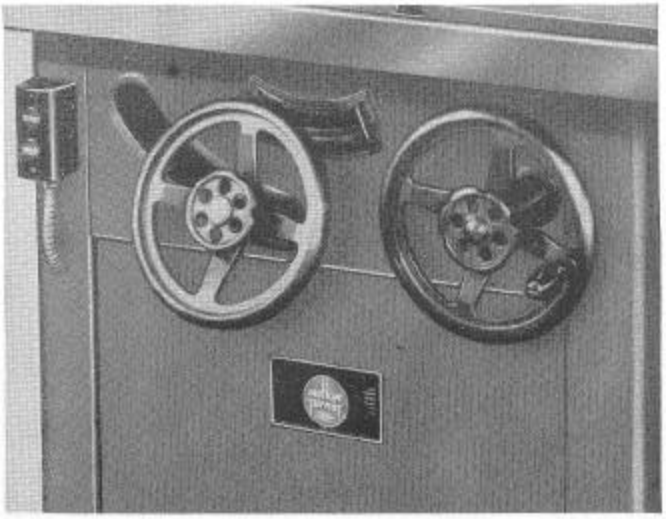
A 12″ Tilting Arbor Saw with exclusive and patented features that make it *wholly new* . . . 3 or 5 h.p. motor, 3450 rpm. installed and wired with push button station and magnetic contactor, with overload protection . . . Patented rip fence that locks front and back simultaneously with single operating handle at front of machine. Support bar graduated 0″ to 36″ . . . Saw arbor and motor are coupled by a short center belt drive of high efficiency and low bearing pressures . . . Welded steel cabinet completely encloses mechanism, removable side covers. Designed to facilitate dust removal either manually or by mechanical means . . . Self-indexing miter gauge . . . Double unit safety guard with splitter and anti-kick-back fingers designed to operate and cover blade in all positions . . . Dado heads up to 1½″ wide can be mounted directly on saw spindle by means of a newly designed locking device . . . The entire arbor mechanism is attached to the under side of the table which is supported on the heavy welded steel cabinet. All alignments are made independent of the base.



NEW **RIP FENCE**—The single lever shown locks fence at front and rear of table simultaneously. Automatic squaring assured by spring loaded pins . . . micrometer adjustment attaches to either side of fence . . . work never binds on blade because of set-back on rip fence.



NEW **CONTROLS**—Two hand wheels positioned directly in front of the operator control the height of cut and *angle of bevel*. Wheel at right controls angle of tilt through bevel gears and square thread tilting screw. Other wheel raises and lowers blade. Mechanism is balanced to provide easy adjustment. Locks are provided on both wheels.

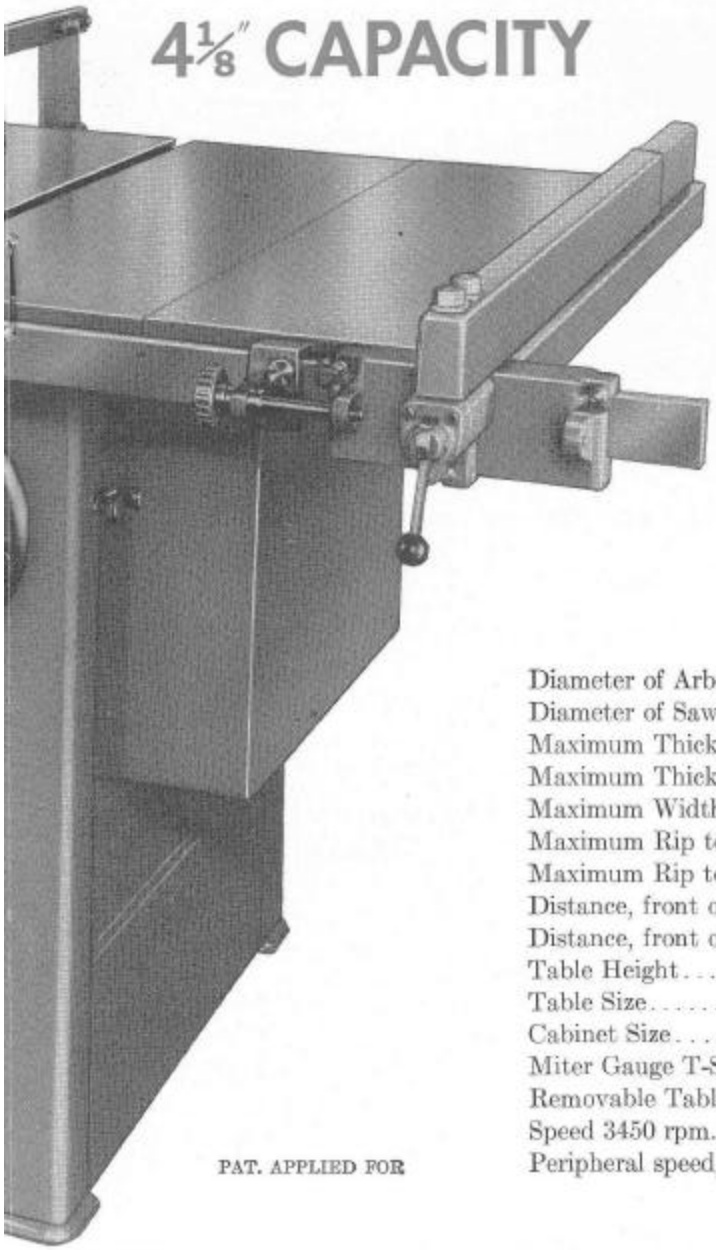


NEW GUARD
ating sid
of the p
splitters
protectio

• WALKER-TURNER 12 INCH TILTING ARBOR SAW •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

4⅛″ CAPACITY



PAT. APPLIED FOR

MODEL LISTING

LC1301 **12″ Tilting Arbor Saw as shown, complete with extension table, miter gauge, 12″ combination blade, 3 h.p. 220 volt, 60 cycle single phase motor.**

LC1302 **12″ Tilting Arbor Saw as shown, complete with extension table, miter gauge, 12″ combination blade, 5 h.p. 220/440 volt, 60 cycle three phase motor.**

13B1 **Cross cut Blade 1″ hole**

13B1R **Rip Blade 1″ hole**

13B1C **Combination Blade 1″ hole**

13B1H **Hollow Ground Blade 1″ hole**

13B36 **8″ Dado, 13/16″ width 1″ bore**

LC14AX **Dado Insert**

LC101X **Dado Adapter, for dado head more than 1″ wide**

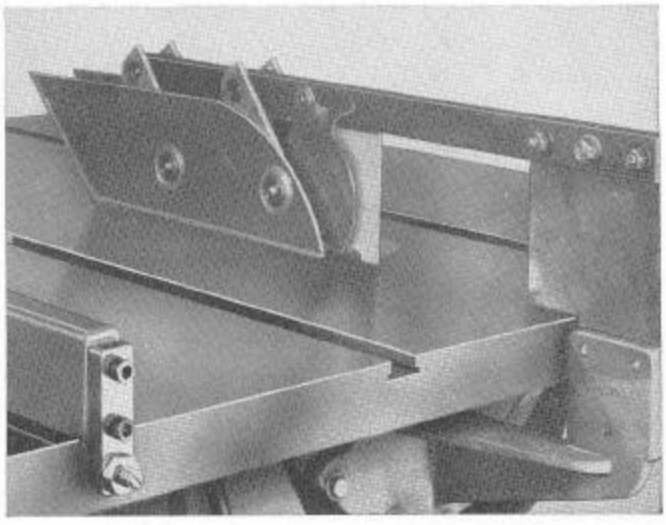
SPECIFICATIONS

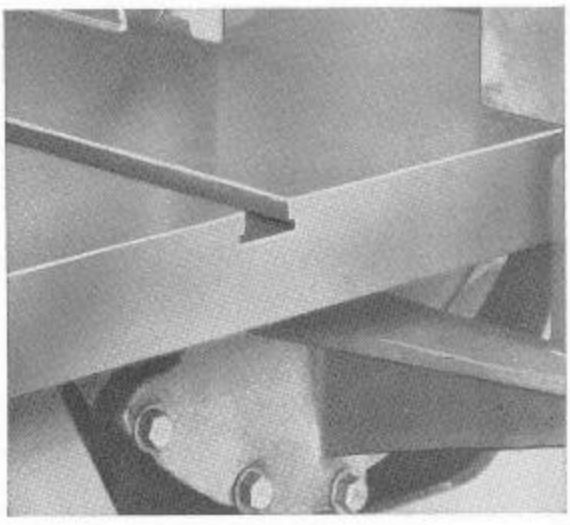
Diameter of Arbor	1″
Diameter of Saw (max.)	12″
Maximum Thickness of Cut	4⅛″
Maximum Thickness of Cut at 45° Tilt	3½″
Maximum Width of Dado Cut	1½″
Maximum Rip to left of blade	16″
Maximum Rip to right of blade	32″ with extension
Distance, front of table to center of blade	22¾″
Distance, front of blade at maximum cut	16½″
Table Height	35″
Table Size	48″ right to left x 38¾″ front to back with extension
Cabinet Size	28⅞″ x 30⅜″
Miter Gauge T-Slot on either side of Saw Blade.	
Removable Table Inserts.	
Speed 3450 rpm. motor, 3990 rpm. at arbor.	
Peripheral speed, feet per minute with 12″ blade	12,550

D AND SPLITTER—Two independently oper- ide pieces cover the blade at all times regardless position of the blade or the size of the cut. Two s and a pair of kick-back pawls give complete tion to the operator.

NEW **"T" SLOTS**—Two "T" slots for miter gauge, one on each side of the table permit supporting work extending beyond the edge of table.

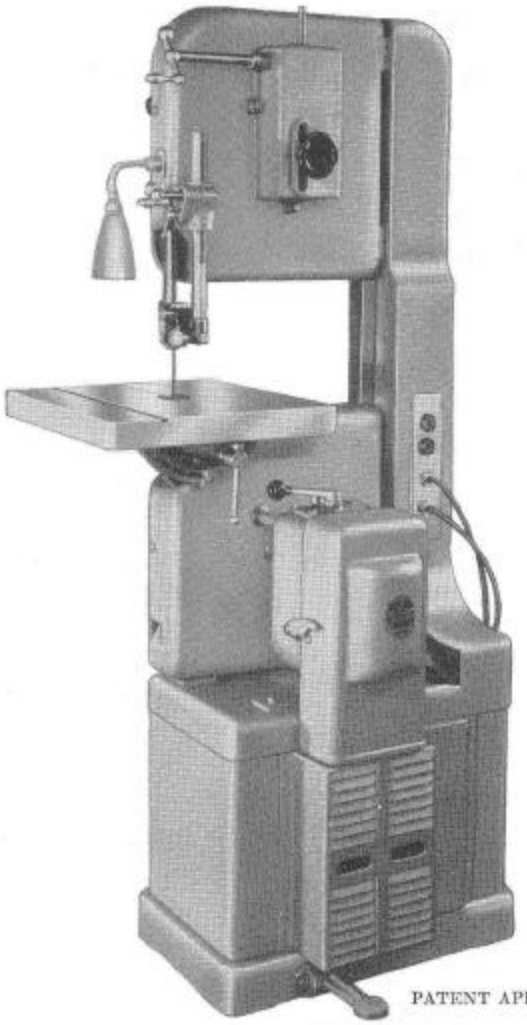
NEW **POWER**—Designed to operate at its capacity all day without overheating or losing power. A newly designed sirocco fan inside the motor housing assures complete ventilation and correct cooling.





• • • 16 INCH METAL CUTTING BAND SAW • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION



PATENT APPLIED FOR

SPECIFICATIONS AND FEATURES

The new three piece frame and body design of this New Walker-Turner Metal Cutting Band Saw assures a degree of stability, accuracy and vibration free operation unattainable by any other type of construction. Each of the three main units are functional. The lower wheel housing carries the drive shaft and bearing, while the upper housing provides support for the upper wheel unit and tensioning mechanism. A sturdy column or "back-bone" supports both of the wheel housings.

SPECIFICATIONS

SPEEDS: 8 blade speeds: 193, 291, 389, 581, 1897, 2850, 4158, 5692 sfm with 1740 rpm. motor.
126, 188, 277, 370, 1241, 1865, 2723 and 3700 sfm with 1140 rpm motor.

CAPACITY: Blade to frame 16″.
Upper guide to table, max. 8″.

TABLE: Gray iron, 18 x 19 inches, 1 miter gauge slot ¾″ x ⅜″. Tilts 45° to right and 5° to left.

GUIDES: Upper and lower guides have ball bearing thrust rollers, with multiple leaf double contact guides.

BLADE ADJUSTMENT: Tensioning and tracking mechanism incorporated in an upper wheel unit, assembly guided on two ground steel rods with spring cushion to absorb shock. Tension control conveniently located on right hand side of machine within easy reach.

GUARDS: Hinged cast aluminum guards cover both wheels. Telescoping guard covers blade between upper guard and guide.

WHEELS: Dynamically balanced cast iron 16″ in diameter. Rubber face ground concentric and crowned. (Carter quick change tires available at extra cost.)

FRAME: Three unit construction. Through functional design wheel housings become part of frame; their box type construction gives a rigidity impossible to obtain with conventional frames.

BEARINGS: Upper and lower wheel mounted on two precision sealed ball bearings.

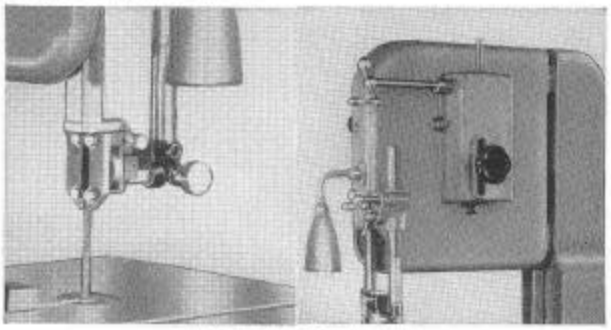
DRIVE: Single 'B' Section 'V' belt ⅝″ wide.

DIMENSIONS: Overall Height on base 68⅜″. Width 33¾″ Depth 28″.

SHIPPING WEIGHT: 700 lbs., motor 75 lbs.

MODEL LISTING

MCB1160	**16″ Metal-cutting Band Saw, as shown including ½″-18 tooth metal-cutting blade, Belt, Motor Pulley, Light, Carriage Bar, Motor Switch, Belt Guard and Base, less motor.**
MCB600X	**Automatic Power Feed, complete, 110 volt only.**
MCB542W	**Welding Unit, less bracket. 110 volt or 220 volt, 25, 50, 60 cycle (specify voltage)**
MCB542X	**Welding Unit Bracket, only.**
MCB471X	**Hand Feed Attachment.**
MCB571	**10 tooth, ½″ metal-cutting blade 111½″ long.**
MCB572	**14 tooth, ½″ metal-cutting blade 111½″ long.**
MCB573	**18 tooth, ½″ metal-cutting blade 111½″ long.**
MG90	**Miter Gauge**
KAB10E	**1 hp., 1740 rpm., 115/230 volt, 60 cycle, single phase motor.**
KOB7N	**¾ hp., 1140 rpm., 115/230 volt, 60 cycle, single phase motor.**
PAB10E	**1 hp., 1740 rpm., 220/440 volt, 60 cycle, three phase motor.**
POB10E	**1 hp., 1140 rpm., 220/440 volt, 60 cycle, three phase motor.**



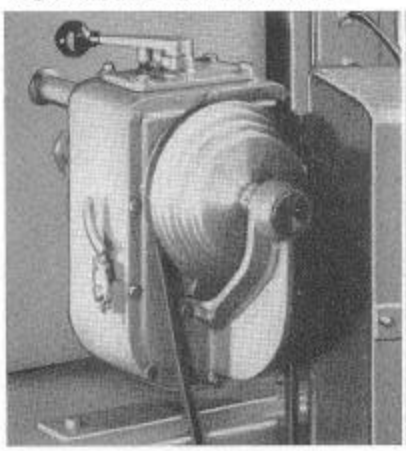
AUTOMATIC POWER FEED

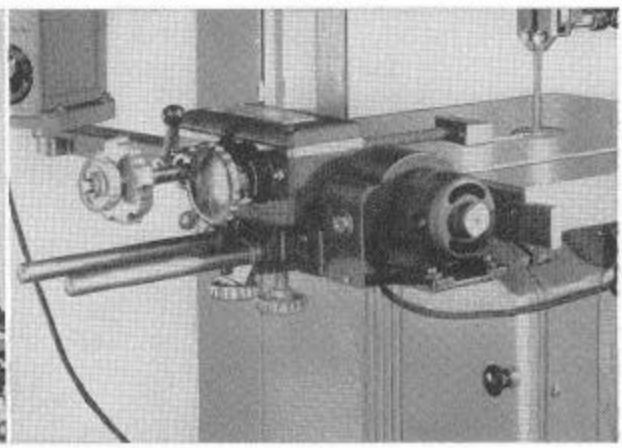
Walker-Turner patented Feeding Mechanism for straight or irregular cutting. Powered by a 115 Volt Universal motor. Unique clutch mechanism positively prevents overloading blade, greatly prolongs blade life.

U.S. Patent 2384732 Canada 436279 Great Brit. 598253

Illustration below shows reduction gear unit. One hand lever controls High, Low and Neutral positions.

Welding Unit for blades up to ½″ wide. Available for operation on 110 or 220 Volt AC Current. Self-contained grinder for removing flash.





WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

• • • 16 INCH WOOD-WORKING BAND SAW • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

SPECIFICATIONS AND FEATURES

CAPACITY: Blade to frame 16″.
Guide to table 8″.

SPEEDS: 3515 surface feet per minute (825 rpm.) with standard 1740 rpm. motor.

DRIVE: V belt, ⅝″ wide "B" section.

TABLE: 18″ x 19″, gray iron. Tilts to 45° forward and 5° to rear.

GUIDES: Upper and lower guides each have ball bearing rear thrust rollers, with split-leaf double-contact steel guides to provide maximum support close to work.

BLADE ADJUSTMENT: Tension and tracking mechanism incorporated in upper wheel unit; assembly rides on two heavy ground steel rods, with spring cushion to absorb blade shock. Tension and tilt regulated by horizontal hand crank and knobs.

GUARDS: Hinged cast aluminum doors cover wheels. Blade fully shielded. Wheel housings are cast iron.

BEARINGS: Six ball bearings—two on upper shaft, two on lower shaft, two on thrust rollers.

WHEELS: 16″ diameter with rubber tires ground to a crown face. Dynamically balanced; gray iron.

FRAME: Cast iron, three-unit type construction. Patent applied for.

STAND: Cast iron stand or base (included on MCB1151) includes hinged motor bracket with belt guard.

OVERALL DIMENSIONS: Height (with base) 68⅜″, height (without base) 48½″, width 33¾″, depth 22″.

SHIPPING WEIGHT: MCB1151—630 lbs; MCB1150 (no stand)—480 lbs; MCB460X stand—150 lbs; ¾ hp. Motor—75 lbs.

MODEL LISTING

MCB1151 16″ Band Saw as shown including ⅜″ blade, light, carriage bar, motor switch, base, belt and motor pulley, less motor.

MCB1150 16″ Band Saw as above but less base and motor.
(Note: Provision for belt guard and motor mounting are incorporated only in MCB1151 Band Saw and MCB460X Base.

MCB460X Base, includes belt guard and motor plate.

MCB542W Welding Unit less bracket. 110 volt or 220 volt, 25, 50 or 60 cycle (specify voltage).

MCB542X Welding Unit bracket, only.

CB152X Rip Fence

MG90 Miter Gauge.

MCB480 ¼″ Blade, 5 teeth, 111¼″ long.

MCB481 ⅜″ Blade, 5 teeth, 111¼″ long.

MCB482 ½″ Blade, 5 teeth, 111¼″ long.

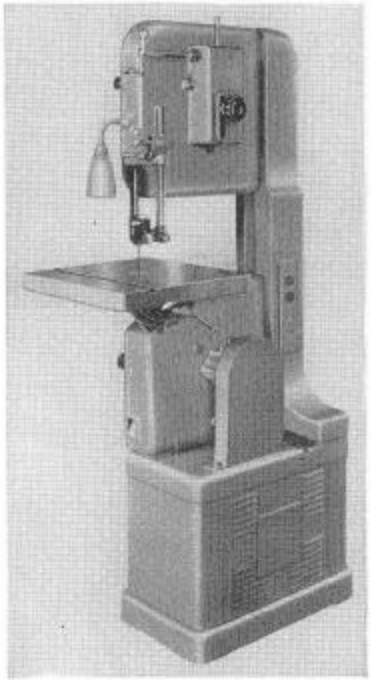
MCB483 ¾″ Blade, 5 teeth, 111¼″ long.

KAB7F ¾ hp., 1740 rpm., 115/230 volt, 60 cycle, single phase motor.

PAB7F ¾ hp., 1740 rpm., 220/440 volt, 60 cycle, three phase motor.

PATENT APPLIED FOR

NEW CONSTRUCTION . . .



The new three piece frame and body design used in Walker-Turner Wood-Cutting and Metal-Cutting Band Saws affords greater rigidity, greater accuracy and smoother operation than heretofore attainable. Three basic units make up the entire machine—the heavy cast iron lower housing carries the drive shaft, bearings, lower wheel, table support and lower guide. The upper housing contains the tensioning unit, upper wheel and bearing assembly and the upper guide. A rigid column supports both housings, there are no arms or other extensions to spring or warp. The box type construction of both housings assure rigidity. Housing completely enclosed and equipped with cast aluminum covers.

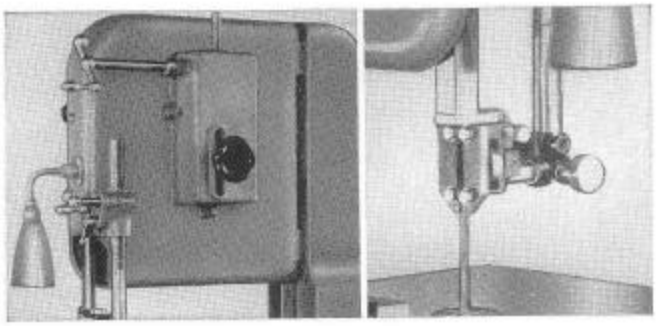


Photo above shows completely enclosed tensioning unit and conveniently located hand crank for adjusting tension. Upper Right: Upper guide is held in position with a spring loaded lock screw which prevents guide from dropping while being adjusted. Adjustment up or down is made by a conveniently placed hand crank. Photo at right illustrates the table tilting mechanism, graduated scale and belt guard. Tilting table is provided with stops at 45° and 90°. A removable stop at the 90° position permits tilting an additional 5° to the left.

• • • MBN935 METAL CUTTING BAND SAW • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

MODEL LISTING

The Walker-Turner 14″ Metal Cutting Band Saw can be used for any material from carbon steel to plastics, compositions and wood. Its wide speed range makes it an ideal machine for the die shop, general machine shop, foundry and pattern shop.

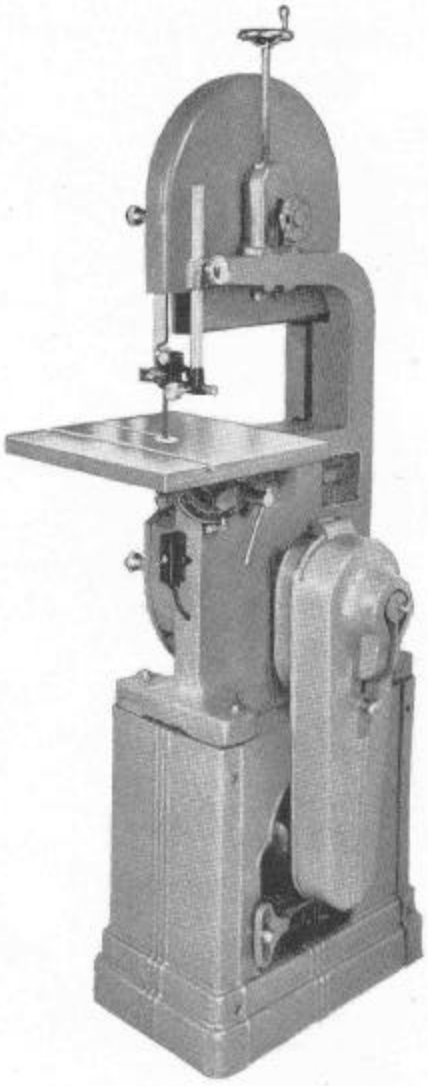
All wheels and shafts are mounted on precision, lubricated and sealed ball bearings. The use of these bearings insures trouble free service for the life of the machine.

The gear unit is designed and built for long-run production work on a trouble and service free basis. Back gearing and the four step pulley provide eight speeds suitable for practically all materials from tool steel to wood. The gear train can be disengaged for high speeds by merely moving the gear lever and dropping a pin in position. The four gears in the unit are precision machined from steel and cast iron.

Wheels are cast iron, carefully balanced and true running. Both wheels are completely covered, complying with all safety requirements.

MODEL LISTING

MBN935 14″ Metal Cutting Band Saw, as shown at right including belt, motor pulley and guard, less base and motor.....
11BN4S Cast Iron Base.....
9BN5 Motor Bracket for rear mounting, (not to be used with 11BN4S).....
KAB5E ½ hp., 110/220 volt, 60 cycle, 1740 rpm. single phase capacitor start motor.....
T55L On-off Toggle Switch for single phase only.....
No. 14 Cord and plug for single phase only.....
PAB5E ½ hp. 220 volt, 60 cycle, 1740 three phase motor.....
T56 On-off Toggle Switch for three phase or single phase motor.....

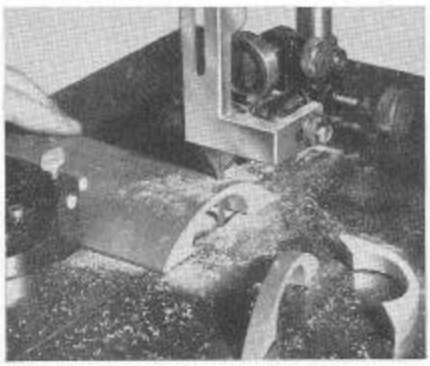


MBN 935
Front View

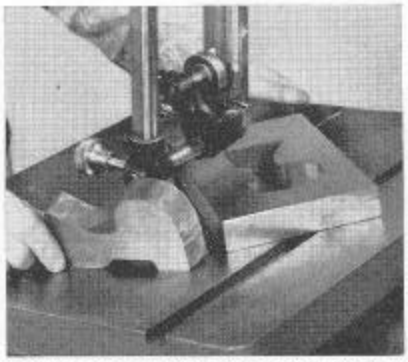
Rugged one piece cast iron frame . . . Two piece cast aluminum wheel guards with hinged covers . . . Upper and lower guides have hardened guide blocks and ball bearing thrust rollers . . . Cast iron wheels are rubber covered and balanced . . . Tension adjusting mechanism is spring cushioned to absorb blade shocks.

SPECIFICATIONS

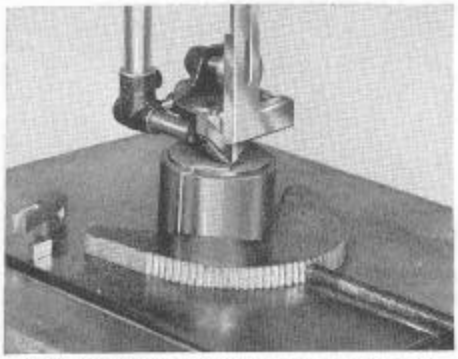
BLADE, to frame 14″.
MAXIMUM HEIGHT, under top guide 7″.
SAW BLADE SPEED, with standard pulley:
With 1740 rpm. Motor—180, 275, 370, 465, 1900, 2780, 3670, 4550 fpm.
With 716 rpm. Motor—61, 93, 132, 182, 653, 1103, 1413, 1950 fpm.
TABLE SIZE, overall 16″ x 16″
TABLE HEIGHT, from floor 40″.
TABLE TILT, to right 45°, to left 5°.
DISTANCE, front of table to saw 7½″.
MITRE GAUGE GROOVE, in table ¾″ x ⅜″.
WHEEL DIAMETERS (rubber faced), 14¼″.
MAXIMUM WIDTH OF BLADE, ⅜″.
BLADE LENGTH: Standard 96⅜″; Maximum 97″; Minimum 94½″.
OVERALL HEIGHT, 69½″.
OVERALL WIDTH, 28½″.
OVERALL DEPTH, 23¾″.
SHIPPING WEIGHT, 350 lbs., Stand 130 lbs.



Cutting-off operation being performed on extruded stock.

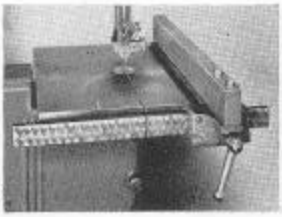


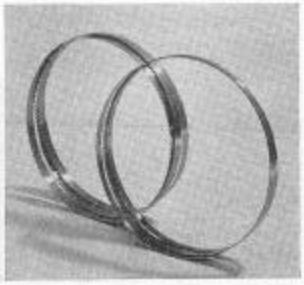
Irregular die cutting with table tilted at slight angle.



Using screw feed to cut cylindrical piece of steel.

Ripping guide for use on 14″ Band Saw.....
BN80X Ripping Guide.....
NB58X Carriage Bars, Spacers and Screws.....





METAL CUTTING BLADES
9BN55 ½″ wide 10 teeth per inch.....
9BN56 ½″ wide 14 teeth per inch.....
9BN57 ½″ wide 18 teeth per inch.....
Above blades are for mild steel and non-ferrous metals.
All blades are 96⅛″ long.
MG90 Miter Gauge.....

SLOW SPEED MOTOR
The slow speed reduction geared motor runs at 716 rpm. to provide the slower speeds required when cutting certain types of tough steel.
GIB5 ½ hp. 716 rpm. 115/230 volt, 60 cycle single phase motor.....
GIB7 ¾ hp. 716 rpm. 220/440 volt, 60 cycle three phase motor.....

NB125X Screw Feed Attachment.

NB58X Support Bars, Spacers and Screws.....

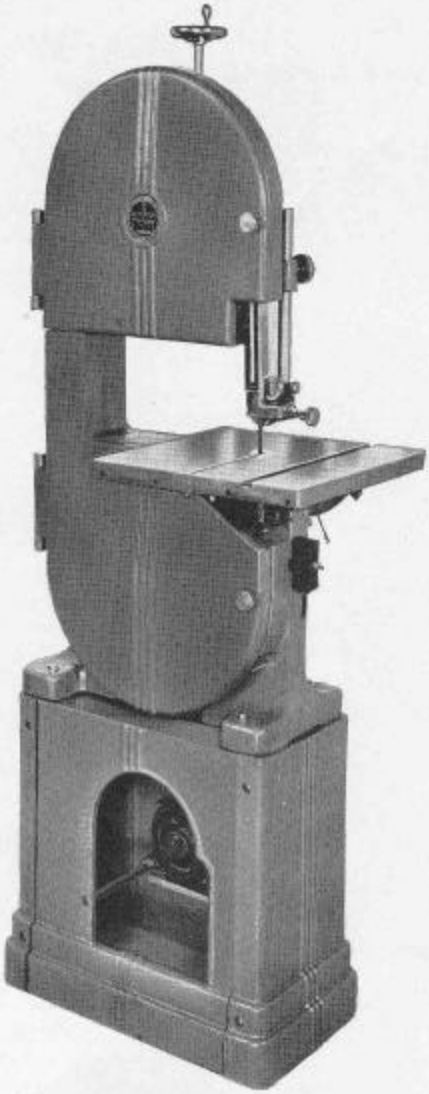
WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

• • • 14 INCH WOOD-WORKING BAND SAW • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

MODEL LISTING

BN905	14″ Wood-working Band Saw, as shown including Belt and Motor Pulley, less Belt Guard, Motor Switch, Base and Motor
11BN45	Base
9BN5	Motor Bracket, for rear mounting (Not required with 11BN45)
11BN2	Belt Guard
BN80X	Rip Fence
MG90	Miter Gauge
NB58X	Carriage Bar, Spacers and Screws
KAB5E	½ h.p., 1740 r.p.m., 115/230 volt, 60 cycle, single phase motor
14	Cord and Plug for single phase
TS5L	On-off Toggle Switch and cord, single phase
PAB5E	½ h.p., 1740 r.p.m., 220/440 volt, 60 cycle, three phase motor
TS6	On-off Toggle Switch, three phase
9BN25	¼″ Wood-cutting Blade, 5 teeth, 96⅝″ long
9BN38	⅜″ Wood-cutting Blade, 5 teeth, 96⅝″ long
9BN50	½″ Wood-cutting Blade, 5 teeth, 96⅝″ long
9BN75	¾″ Wood-cutting Blade, 5 teeth, 96⅝″ long



FEATURES AND SPECIFICATIONS

Speed, accuracy and low cost make the W-T Wood Cutting Band Saw an indispensable machine for all commercial applications. Designed for production work, it has many features to insure efficient, quality work. Tension and tilt regulated by convenient handwheel and knob—Blade guides designed to provide maximum support close to work—Blade fully shielded for safety—Wheels dynamically balanced—Upper wheel unit rides on two heavy ground steel rods, with spring cushion to absorb blade shock.

SPECIFICATIONS

CAPACITY: Blade to frame 14″
Guide to table 7″
Blade widths: ¼″, ⅜″, ½″, ¾″
Blade length: 96⅝″

BLADE SPEED: 2535 surface feet per minute (680 r.p.m.) with standard 1740 r.p.m. motor.

GUIDES: Ball bearing rear thrust rollers, with sintered iron composition. Guide blocks set at 45° on upper and lower guides.

FRAME: One piece cast iron

BEARINGS: Six—two on upper shaft, two on lower shaft and two on thrust rollers.

WHEELS: 14¼″ diameter with rubber tire ground to a crown face.

TABLE: 16″ x 16″ gray iron. Tilts to 45° right and 5° left. Miter gauge slot ¾″ x ⅜″.

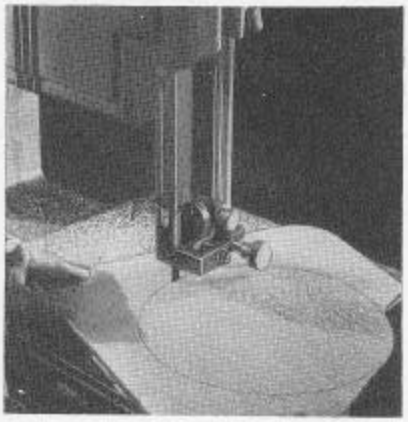
GUARDS: Hinged aluminum doors cover wheels.

FRAME: One piece cast iron

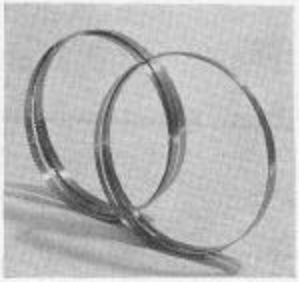
OVERALL DIMENSIONS: Height with base 69½″, width 28½″, depth 23¾″.

FOR CUTTING

- WOOD
- PLASTICS
- COMPOSITIONS
- BONE
- PAPER



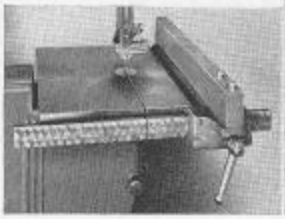
The Walker-Turner 14″ Band Saw, designed for the samll woodworking shop or for the advanced craftsman, is beyond all doubt one of the finest band saws available in its class. Its husky one piece cast iron frame, its balanced wheels running on ball bearings, and its well designed ball bearing guides assure smooth operation, whether doing intricate scroll sawing or ripping timbers up to the 7″ capacity of the saw.

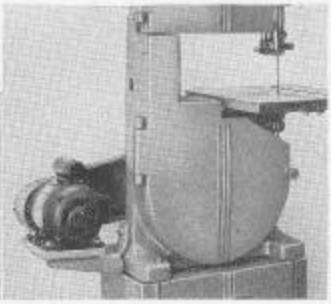


Illustrated far left is the 11BN2 Belt Guard for use with 11BN48 Base or in conjunction with 9BN5 Motor Bracket. Saw Blades illustrated at left are 96⅝″ long and all four widths have five teeth per inch.

Illustrations at right show 9BN5 Motor Bracket, BN80X Rip Fence and NB58X Carriage Bar.

These items are listed under Model Listings on on this page.





WALKER-TURNER VERTICAL SPINDLE SHAPER

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

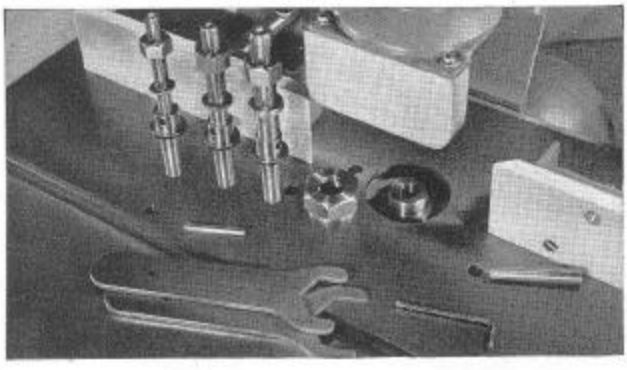
S1140—Spindle Shaper, as shown above, with motor pulley, belt, three cutter adapters and reversing switch, less motor.....

KEB10G—1 hp. 110/220 v. 60 cycle single phase motor

PEB15E—1½ hp. 220/440 v. 60 cycle three phase motor

Photo below shows the equipment supplied with the machine. Walker-Turner standard shaper cutters are ¾" bore. The two other adapters enable the operator to use ½" and ⅝" cutters available from other sources. The interchangeable spindles have proven extremely successful on Walker-Turner Shapers for the past six years.

Two tapered starting pins (two tapered starting pin holes are conveniently located in the table) and two spindle wrenches are part of the equipment supplied.



New TWO SPEED SPINDLE SHAPER

Designed to meet the need for a medium size heavy duty Spindle Shaper, the Walker-Turner S1140 Two Speed Spindle Shaper fills a long felt want. The husky 1½ horse power motor, the rugged ball bearing spindle and large table will appeal to every industrial woodworker. Guides that are quickly adjusted or easily removed, correct guarding of the cutter that does not interfere with the work, and interchangeable cutter spindles are a few of the many outstanding features of this unusual machine.

SPECIFICATIONS

MOTOR: New Walker-Turner 1 hp. single phase or 1½ hp. three phase motors with big overload capacity.

DRIVE: New nylon cord reinforced V belt.

SPEEDS: Two—7,000 and 11,000 rpm.

SPINDLE TRAVEL: 3" on dovetailed ways, gibbed for adjustment and to take up any possible wear.

TABLE: Cast gray iron, milled slot for mitre gauge ¾" x 13/32". Size 22"x33".

BASE: One piece from table to floor, heavy gauge steel welded throughout for strength.

WEIGHT: Shipping 395 lbs. Set up to operate 325 lbs.

BUILT FOR HEAVY DUTY OPERATION

Two speeds, 7,000 and 11,000 rpm. with dynamically balanced pulleys for smooth operation. Get the correct speed for different sized cutters.

Two ball bearings spaced 10" apart in heavy cast iron housing eliminate spindle whip.

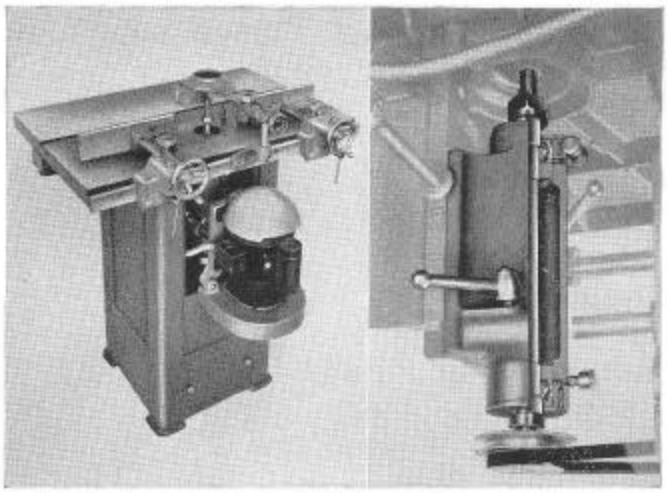
Big table area, 22"x33" provides plenty of work area.

3" vertical spindle travel on dovetailed ways. Bearing assembly and motor move as a unit.

Hand wheel located on front of machine for raising and lowering spindle has graduated dial to show amount of movement.

Independently adjustable guides controlled by hand wheels. Full lateral adjustment, too. All settings indicated on graduated bars. Guides can be quickly removed when working with templates or guide pins.

Complete cutter guarding for accelerated work speed. Belt and motor pulley completely guarded.

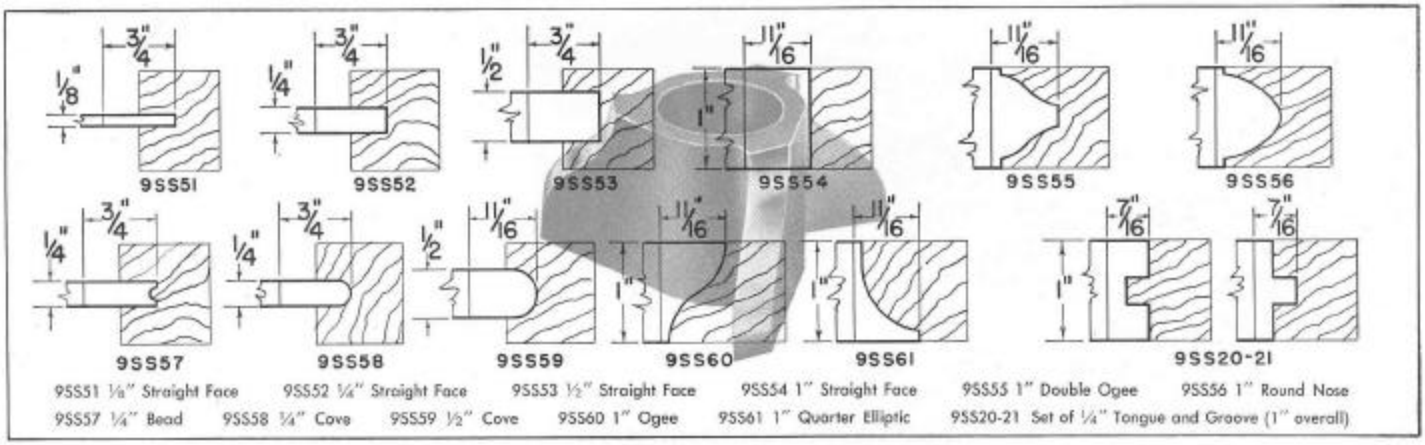


Machine as seen from the rear. Note the hand wheels and locks for positive control and fine setting of the guides.

Husky cutter spindle and widely spaced ball bearings are shown in the cut-away above.

• • • SPINDLE SHAPER ACCESSORIES • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION



9SS51 1/8" Straight Face 9SS52 1/4" Straight Face 9SS53 1/2" Straight Face 9SS54 1" Straight Face 9SS55 1" Double Ogee 9SS56 1" Round Nose
9SS57 1/4" Bead 9SS58 1/4" Cove 9SS59 1/2" Cove 9SS60 1" Ogee 9SS61 1" Quarter Elliptic 9SS20-21 Set of 1/4" Tongue and Groove (1" overall)

Depth Collars used as fillers or guides to control the depth of cut. 1/32" thick and from 1 1/2" up to 2 1/2" dia. in 1/4" steps.

9S564 Set of Five Depth Collars (3/4" hole).....

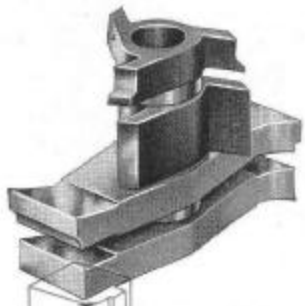
Used for grooving and rabbeting, the 9B368 Dado Head produces extremely smooth cuts both with and across the grain. It is essential that RA417 Flanged Washers be used in conjunction with the Dado Head.

9B365 Dado Head (3/4" hole, 13/16" thick).

RA417 Flanged Washers (3/4" hole).....(pr)

SHAPING CUTTERS (3-Wing — with 3/4" hole)

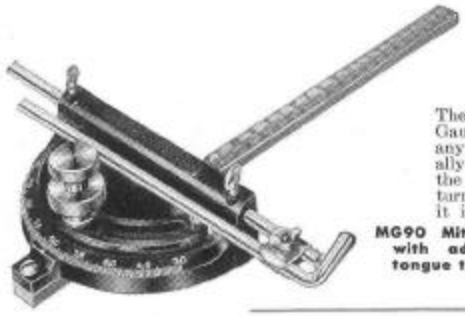
9SS51 1/8" Straight Face ...
9SS52 1/4" Straight Face ...
9SS53 1/2" Straight Face ...
9SS54 1" Straight Face....
9SS55 1" Double Ogee....
9SS56 1" Round Nose.....
9SS57 1/4" Bead .....
9SS58 1/4" Cove .....
9SS59 1/2" Cove .....
9SS60 1" Ogee.....
9SS61 1" Quarter Elliptic.
9SS20-21 Set of 1/4" Tongue Groove (1" overall).....



SASH SET

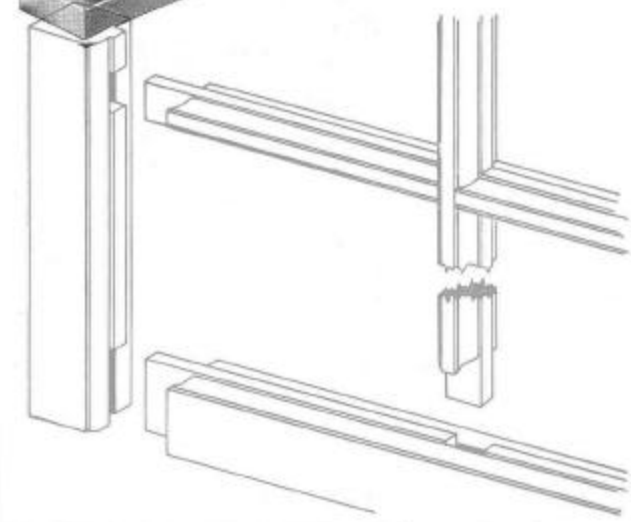
RA23X Complete Set (3/4" hole)
Consists of:
RA230-1 Cope and Tenon
RA230-2 Rabbeting and Tenon.....
RA235-5 1/8" Spacer Washer.....
RA235-3 1" Rabbeting...
RA235-2 Ovolo.....

Illustration below shows typical cut



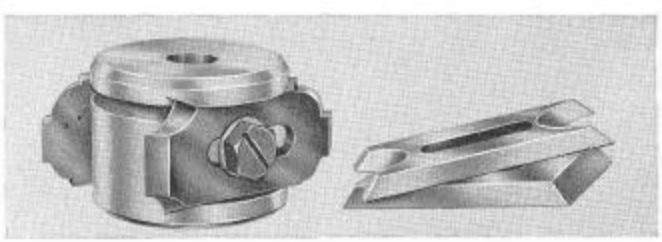
The MG90 Self-Indexing Mitre Gauge can be accurately set in any position, stopping automatically every 15°. Easy movement of the gauge head is accomplished by turning the lower knurled knob and it is locked with the upper one.

MG90 Mitre Gauge complete with adjustable stops and tongue to fit 3/4"x3/4" groove.



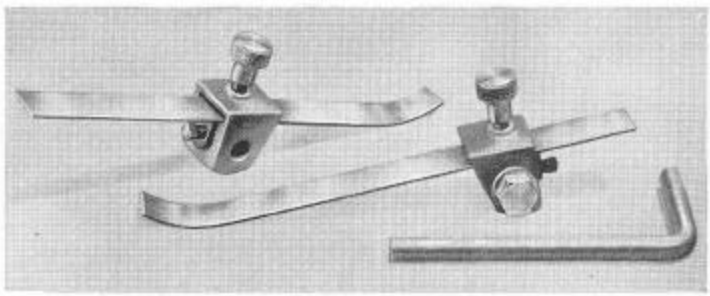
Although one of each of these spindles are supplied with the Spindle Shaper, they are also offered as accessories for the worker who uses special multiple cutter set-ups. It will often be found practical to leave the cutters on the spindle and remove the entire assembly when changing to other jobs. By leaving these special assemblies intact, it is only a matter of minutes going from one job to the other.

DIS225X 1/2" dia. Spindle with nut and washer.....
DIS226X 5/8" dia. Spindle with nut and washer.....
DIS227X 3/4" dia. Spindle with nut and washer.....
DIS218 Lock nut for securing to spindle.....



The beveled edges of the steel blades fit a matching groove in the two part steel head and are locked in position by the spindle nut. In addition, a cap screw in each blade provides a safety lock.

RA225 Molding Head (less Knives).....
RA225-1 Straight Face Knives.....(pr)
RA225-3 Stair Nosing Knives.....(pr)
RA225-6 Radius Knives.....(pr)
RA225-7 Tongue and Groove .....(pr)

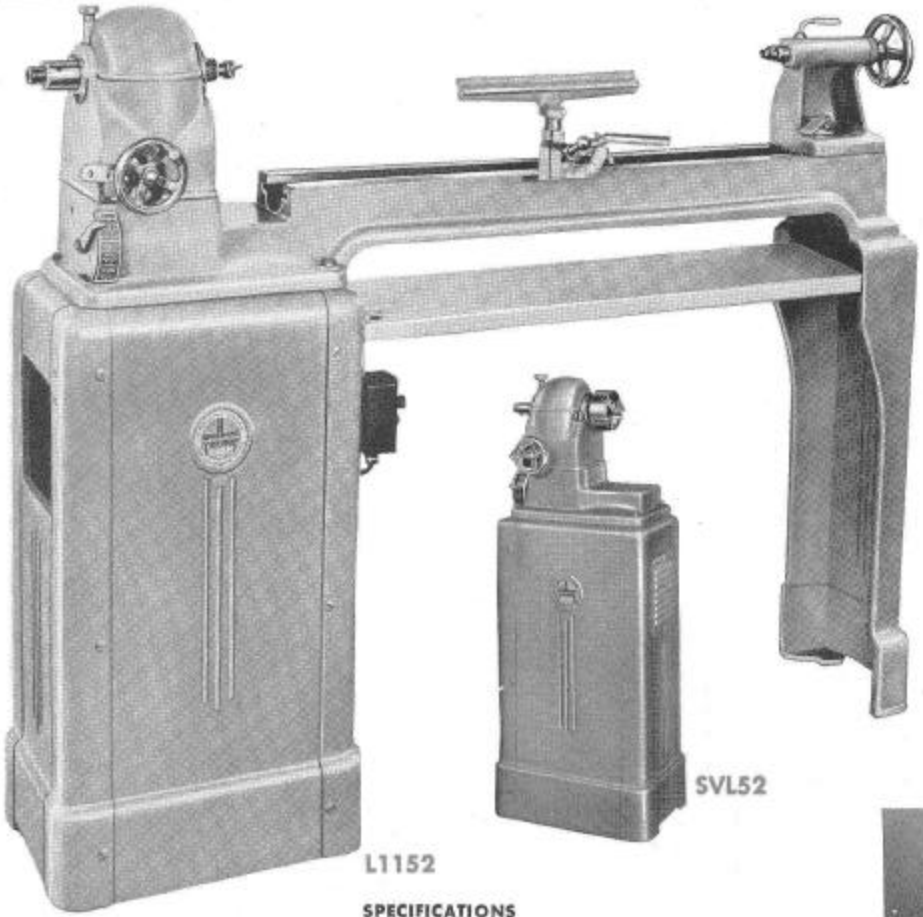


Spring Hold-Downs will be found particularly useful when shaping long narrow moldings. They will hold the work down on the table and into the knives. They are one of the few safety devices that are a definite aid to production.

DIS45X Spring Hold-Down.....

• • • WALKER-TURNER VARIABLE SPEED LATHE • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION



FEATURES AND MODEL LISTINGS

The Walker-Turner Variable Speed Lathe is a general purpose wood-turning lathe combining the best principles of lathe design with massive construction and finest precision. While built primarily for wood turning, its heavy cast iron headstock and double row preloaded spindle bearings make it an ideal machine for metal spinning. Spindle speeds, changed while the machine is running, are controlled by means of a hand wheel located in front of the headstock. Range up to 2600 rpm. with a 1740 rpm. motor. Speed of spindle is shown on a graduated scale in plain view of the operator. The variable speed drive and motor are mounted inside the heavy cast iron pedestal, where they are protected from dust and chips.

L1152—Variable Speed Lathe as shown, 6″ and 12″ tool rests, head and tailstock centers and 2″ or 4″ motor pulley.....

SVL52—Polishing Lathe as shown with 2″ motor pulley, less motor and chuck.....

KAB5E—½ hp. motor, single phase, 115/230 volt, 60 cycle, 1740 rpm., capacitor start..

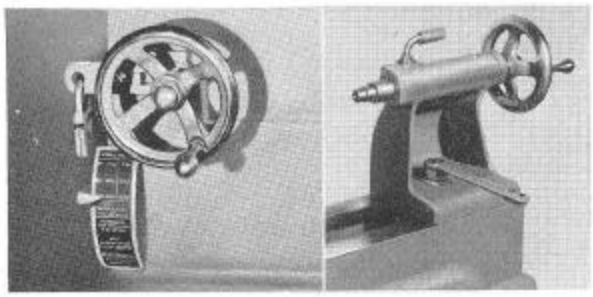
T55—On-off toggle switch, single phase .....
14—10′ Cord and Plug for Single Phase .....

PAB5E—½ hp. motor, three phase, 220/440 volt, 60 cycle, 1740 rpm.....

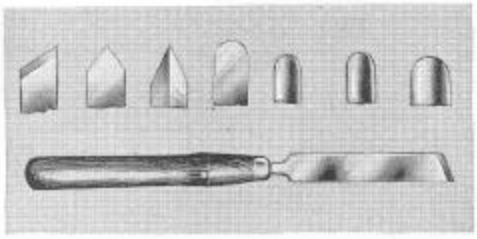
T56—On-off toggle switch, three phase .....

SPECIFICATIONS

BED: Gap type, cast iron, machined ways top, side and bottom. 5″ wide.
HEADSTOCK: Cast iron, spindle 1″ O.D. ⅝″ hole through center. Double row ball bearing at spindle nose, single row at opposite end. No. 2 Morse Taper Socket in spindle nose.
TAILSTOCK: Cast iron, machined for precision fit between bed ways. Steel spindle has No. 2 Morse Taper Socket.
CAPACITY: Swing, over gap 15½″, over bed 12″, distance between centers 38″.
SPINDLE SPEEDS: With 2″ motor pulley, 300 to 1300 rpm.; with 4″ motor pulley, 600 to 2600 in stepless gradients.
OVERALL DIMENSIONS: Height, 47″; Width, 12½″; Length, 60″.
SHIPPING WEIGHT: 300 lbs.



ACCESSORIES FOR L951 LATHE



Set of Eight Wood Turning Chisels
These turning chisels are made of selected chisel steel carefully ground to shape and will hold their edges. Sold in sets only consisting of 1 each; ¾″, ½″ and ⅜″ gouge, ½″ round nose, ½″ parting tool, ¾″ and ½″ skew chisel and ½″ Spear point.
LBA—Set of 8 Chisels..
9L88—Right Angle Tool Rest.....
9L54—Outboard Tool Bracket.....

Spur Center
For use in the headstock spindle, has No. 2 Morse Taper.
9L25—Spur Center

Cup Center
For use in tailstock spindle, has No. 2 Morse Taper.
9L26—Cup Center

60 Degree Center
For use in head or tailstock spindles. No. 2 Morse Taper.
9L27—60° Center

Cast Iron Face Plates
Face plates with right hand thread are for use on the spindle nose or right hand end of the spindle, those with left hand thread on the opposite end.
9L34—6″ Face Plate, left hand thread.....
9L35—6″ Face Plate, right hand thread.....

3″ Face Plate With Spurs
These face plates are used for holding large diameters between centers. The spurs may be set at two different distances from the center. Pointed and wood screw centers are supplied with the face plate.
9L33—3″ Face Plate with spurs and centers.....

Chuck Arbor
This arbor is used to hold the No. 6A Jacob's Chuck in either head or tailstock spindles.
9L28—Arbor for Jacob's Chuck

Threaded Arbors
For holding such accessories as wire wheels, cotton buffs, grinding wheels and sanding drums in the headstock spindle. Should be used with MS9 Live Center.
9L29—Threaded Arbor, included flanged washers and nut...

Steady Rest
Clamped to the bed between the head and tailstock to support long and slender work, the steady rest will prevent whipping.
9L60—Steady Rest.....

4″ Universal 3 Jaw Chuck
A high quality chuck guaranteed accurate. It is self-centering and holds round or hexagonal work. Two sets of jaws for inside and outside chucking are supplied.
9L20—4″ Universal Chuck....

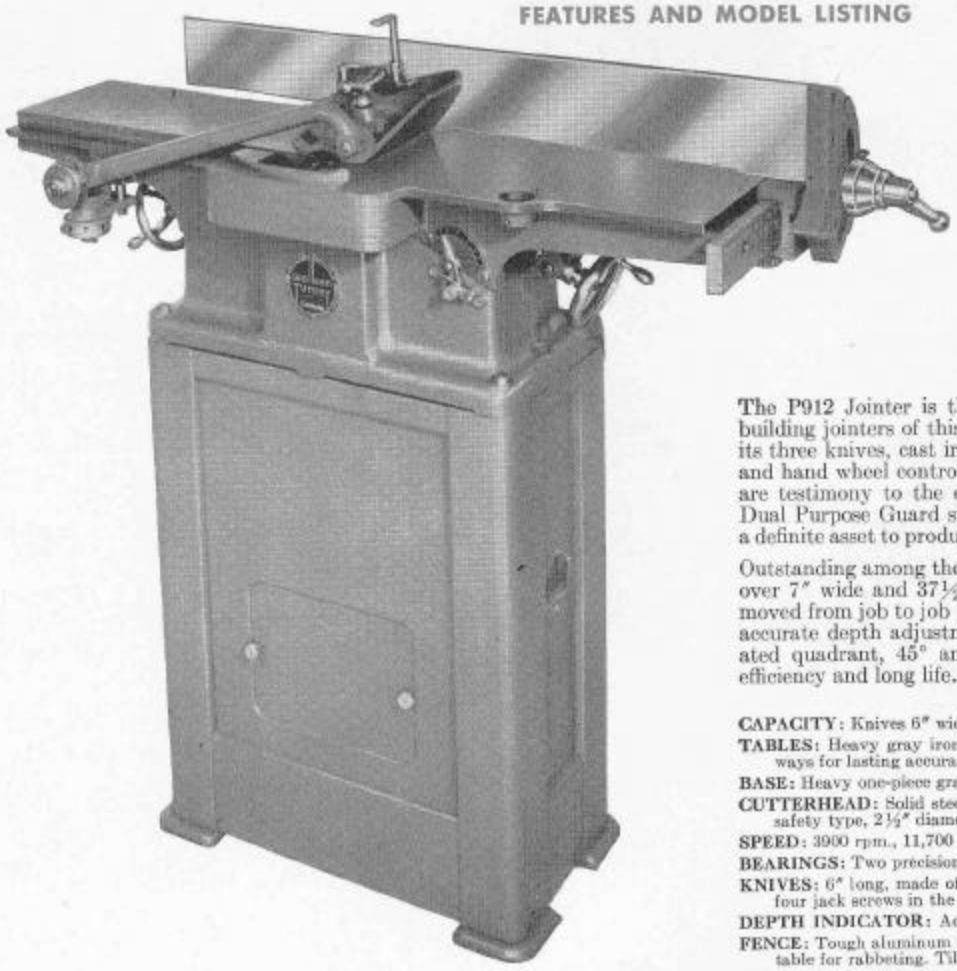
Ball Bearing Tailstock Center
This live ball bearing tailstock center is very helpful in wood turning and metal spinning. It eliminates friction and will not wear into the turning. It should be used with 9L29.
MS9—Ball Bearing Tailstock Center, cup center and 60° points.....

½″ Jacob's Chuck
Used with 9L28 in either head or tailstock spindle for drilling and similar operations.
6A—Jacob's Chuck ½″ capacity with key.....

• • • • WALKER-TURNER 6 INCH JOINTER • • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

FEATURES AND MODEL LISTING



P912 Six inch Jointer, with triple 'V' Belt Drive, Dual Purpose Guard, Knives, Belts and Motor Pulley, less motor and stand

107A Steel Stand, with dust chute and clean-out door.....

KEB5F ⅓ hp., 3450 rpm., 115/230 volt, 60 cycle, single phase motor.....

TS5 On-off Toggle Switch, single phase...

14 10' Cord and Plug, single phase .....

PEB5F ½ hp., 3450 rpm., 220/440 volt, 60 cycle, three phase motor.....

TS6 On-off Toggle Switch, three phase...

9P9 Set of three knives (replacement)...

The P912 Jointer is the product of more than 15 years experience in building jointers of this type. The solid steel cylindrical cutter head with its three knives, cast iron tables on dovetailed ways with adjustable gibs and hand wheel controls, its husky cast iron base and triple V belt drive are testimony to the engineering experience behind this machine. The Dual Purpose Guard supplied with this machine has proven itself to be a definite asset to production work; it never gets in the way of the operator.

Outstanding among the many features of the P912 Jointer are: Big tables over 7" wide and 37½" long . . . A complete self-contained unit readily moved from job to job . . . Basic Walker-Turner table design gives simple, accurate depth adjustment . . . Fence tilting accuracy insured by graduated quadrant, 45° and 90° index plunger . . . Triple V belt drive for efficiency and long life.

SPECIFICATIONS

CAPACITY: Knives 6" wide (3). Rabbets up to ½" deep.

TABLES: Heavy gray iron castings with tops precision milled. Machined dove-tailed ways for lasting accuracy.

BASE: Heavy one-piece gray iron casting, carefully machined.

CUTTERHEAD: Solid steel, ground and dynamically balanced, three knife, approved safety type, 2½" diameter.

SPEED: 3900 rpm., 11,700 cuts per minute with 3450 rpm. motor.

BEARINGS: Two precision, dust sealed ball bearings.

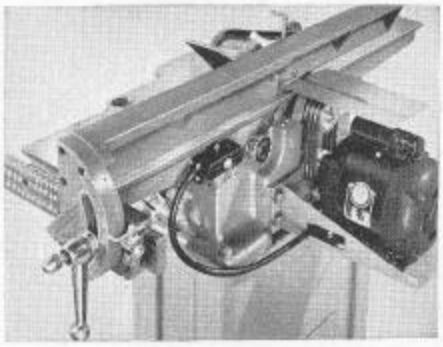
KNIVES: 6" long, made of selected steel honed to a fine edge and held in position by four jack screws in the chip breaker.

DEPTH INDICATOR: Accurately shows the depth of cut in fractions of an inch.

FENCE: Tough aluminum alloy, ground surface, 33½" long, moves across full width of table for rabbeting. Tilts to 45°, has index plunger.

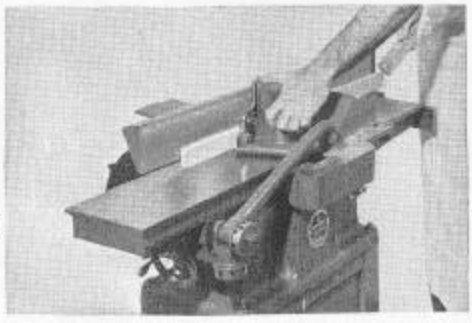
OVERALL DIMENSIONS: Height, floor to table 34½", Length 42⅝".

SHIPPING WEIGHT: 175 lbs. without stand or motor. Stand only 60 lbs.

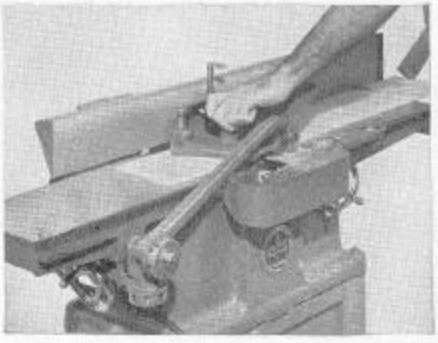


Compact self contained unit, note the conveniently located controls and lock handles, motor mounting and triple V belt.

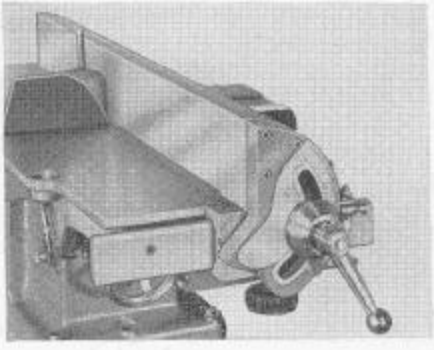
Dual Purpose Guard, pressure of thumb holds small pieces down while guard controls side pressure.



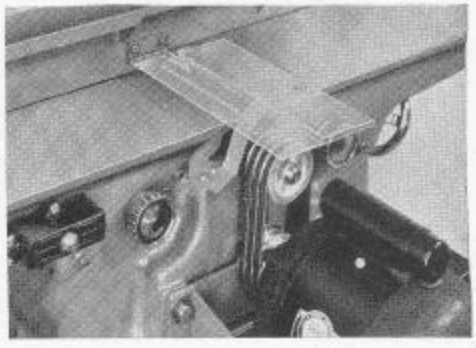
Planes ribbon thin! Patented Walker-Turner Dual Purpose Guard permits planing stock to uniform ribbon thinness with absolute safety.



New quick action fence lock. One lever for tilt and knob under carriage for lateral adjustment. Self-indexing at 45°.

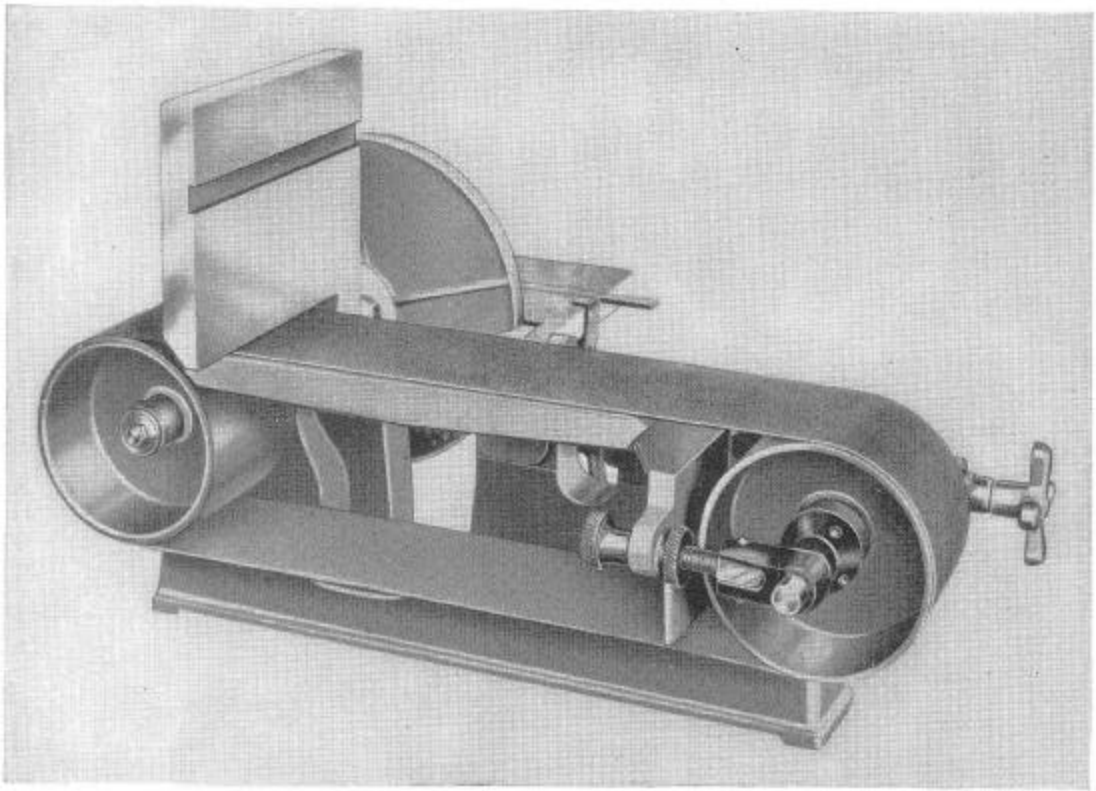


Rear knife guard keeps the knives covered at all times, regardless of the position of the fence. This guard is always in position and does not require any adjustment.



• • WALKER-TURNER BELT AND DISC SURFACER • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION



MODEL LISTING

SM700 Surfacer, as shown at left, including motor pulley, V belt, stroking block and miter gauge.....

#24 Steel Stand only, for converting SM700 to SM705....

KAB5E ½ hp, 1740 rpm, 115-230 volt, 60 cycle, single phase motor.....

TS5 On-off Toggle-Switch, single phase

#14 10″ Cord and Plug, single phase

PAB5E ½ hp., 1740 rpm., 220/440 volts, 60 cycle, three phase motor

TS6 On-off Toggle Switch, three phase motor

Through using the #24 Steel Stand it is possible to do stroke surfacing on large panels up to 12″ in width and 4 to 5 feet in length. The shelf is adjustable up and down for a distance of 14″ permitting wood up to that thickness to be sanded.

SM700
with #24 Steel Stand

FEATURES

The one piece cast iron frame is accurately machined to accommodate the drive shaft bearings and it has a built in guard covering the V belt drive. Four dust sealed ball bearings that require no lubrication carry the two abrasive belt pulleys. The idler pulley is spring loaded and is adjustable for alignment.

SPECIFICATIONS

SANDING DISC: 10″ diameter, made from aluminum alloy, carefully machined and balanced. 40 grit abrasive disc is supplied with machine. 60 and 80 grit discs are available.

BELT: Aluminum oxide, 60 grit fabric backed supplied with machine, 36 and 120 grit belts are available. Belts are 52½″ long and 4″ wide.

OPERATING SPEEDS: 660, 1280, and 2350 rpm for disc, belt speeds, 900, 1760 and 3200 feet per minute.

TABLES: Both disc and belt have cast iron tables that can be tilted from 90° to 45°. The degree of tilt on both tables is indicated on graduated scales.

MITER GAUGE: Supplied with machine. It is used for sanding bevels or compound miters.

BELT SUPPORT TABLE: Cast iron machined to a plane surface, 12″ long and 4¼″ wide.

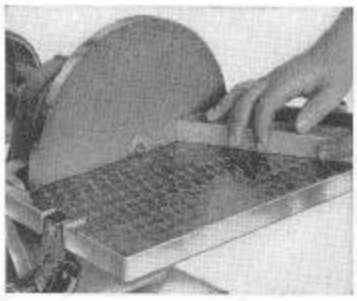
BELT ALIGNMENT: Controlled by a pivoted bracket and knurled adjusting nuts.

CAPACITY: Belt is 4″ wide, distance between pulley centers 18½″.

DIMENSIONS: Length, 29½″, height, overall 16″.

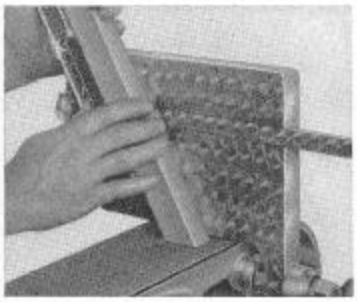
SHIPPING WEIGHT: SM700—98 lbs. SM705—143 lbs.

Photo below shows disc sanding operation on the end grain of a piece of wood. The disc can also be used for squaring the ends and edges of small wood or metal pieces.



Stoke sanding is shown in the photo below. Large pieces of work may be sanded or polished in this manner. The adjustable steel shelf on the #24 Bench is used in this operation, work up to 14″ high can be handled.

Using the vertical table on the belt in conjunction with the miter gauge. The table assures an accurate surface, 90° in relation to the belt, while the miter gauge determines the accuracy of the bevel.



ABRASIVE BELTS AND DISCS

FABRIC BACKED BELTS

ALUMINUM OXIDE

SM36B Belt, 36 grit, 4″ wide x 52½″ long.....
SM60B Belt, 60 grit, 4″ wide x 52½″ long.....
SM120B Belt, 120 grit, 4″ wide x 52½″ long.....
SM40 Disc, 40 grit, 10″ diameter.....
SM60 Disc, 60 grit, 10″ diameter.....
SM80 Disc, 80 grit, 10″ diameter.....

• WALKER-TURNER 24 INCH FOUR SPEED JIG SAW •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

FEATURES

The Walker-Turner 24″ Jig Saw with its four carefully chosen operating speeds, the easily and quickly adjusted blade tensioner, the improved blower and the many other features of superiority have set an entirely new standard of jig saw performance. One demonstration will convince you.

Thousands of these J915 Jig Saws are in use the world over cutting not only wood, but paper, fibre, plastics, bone and all kinds of thin sheet metals. It can also be used with machine files for die filing and other similar filing operations.

SPECIFICATIONS

BLADE TENSIONER: A patented Walker-Turner feature that makes possible rapid blade changing and permits tension adjustments to be made while the machine is running.

DRIVE MECHANISM: Reciprocating type, bronze bearings, splash lubrication.

NEW BLOWER: New positive action blower, built into base, assures constant air stream at all times.

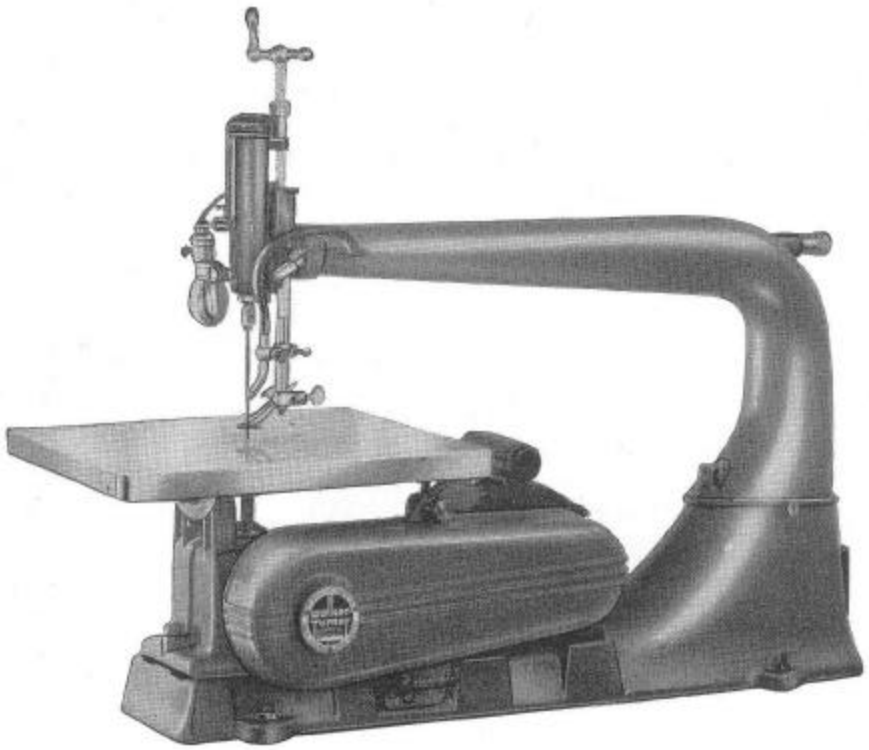
SAW GUIDE AND HOLD-DOWN: New saw guide and hold-down are easily adjusted to all thicknesses of work. Bronze guide supports the back of the blade.

THROAT CAPACITY: Twenty-four inches. Arm may be swung to either side or removed completely for large work.

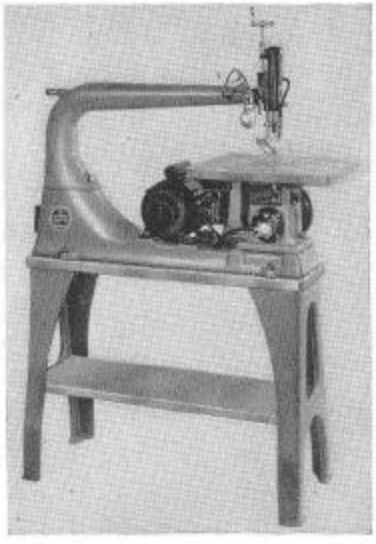
VISES: Standard vises will accommodate all jig and fret saw blades up to ⅛″ wide. Wider blades require the use of SJ236A Vises. Capacity, upper vise to table is 2¾″ when using a 6″ blade.

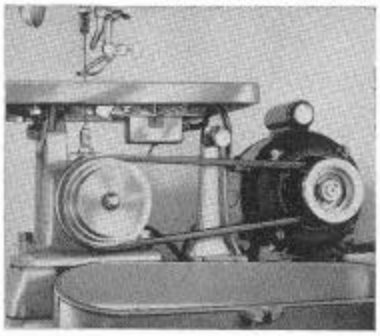
DIMENSIONS: Overall height on stand 53″, without bench, 27¾″. Length, 38″.

WEIGHT: Shipping weight, 110 lbs.



U. S. Patent Nos. 2,116,122; 2,116,123; 2,165,002. Other pats. pend.





Under-table view shows table bracket, blade vise main housing and guard bracket. Four speeds, 600, 900, 1250 and 1740 rpm provide correct range for all types of work from fret sawing to metal sawing.

The patented Walker-Turner tensioning head shown at right below, permits changing the blade tension while the machine is in motion and it simplifies blade changing.

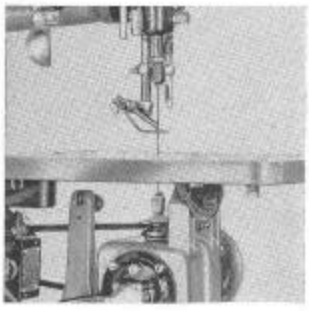
MODEL LISTING

J915 24″, Four Speed Jig Saw, including motor pulley and belt, less belt guard, lamp, switch and motor
7J125 Belt Guard
SJ250X Lamp, complete
J51 Bench for J915 Jig Saw, cast iron legs with wood top and shelf
SJ236A Heavy duty vises for sabre blades
E10X On-off switch with cord, for single phase only
5J147 10′ Extension cord and plug
KAB3E ⅓ hp, 1740 rpm, 115/230 volt, 60 cycle, single phase motor

The new saw guide shown at the right is easily adjusted for all thicknesses of material and permits a clear view of the work at all times. A spring type hold-down makes sawing of thin stock a simple matter and does not cover the pattern or line being followed.

The positive action blower and the adjustable nozzle assure a constant stream of air in the right place.

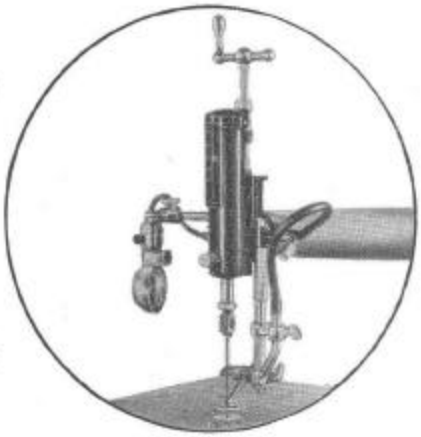
The large table, 12¾″ x 16″ tilts to 45° in either direction.



6″ FRET AND JIG SAW BLADES

	Cat. No.	Thickness	Width	Teeth per inch	Used For Cutting
14B	14B	.018	.035	21	Wood, veneer, plywood
	6J	.017	.035	32	Metal, hard substances & wood
75J	13B	.010	.045	18	Wood, veneer, plywood
	75J	.016	.054	20	Metal, hard substances
14J	6M	.022	.070	32	Metal only up to ⅛″ thick
	14J	.020	.072	15	Metal over ⅛″, and wood
620	610	.020	.110	10	General purpose, wood, metal
	615	.020	.110	15	General purpose, wood, metal
	620	.020	.110	20	General purpose, wood, metal
410	410	.028	.187	10	Thick stock, wood
	FB9	.042	5/16″	9	Molded brake lining
	316	.040	3/16″	9	Sabre blade, for wood
	516	.040	5/16″	9	Sabre blade, for wood
	SB7		Assorted		Package of 12

4 SPEEDS
PATENTED TENSIONER
NEW BLOWER
NEW SAW GUIDE



• WALKER-TURNER SINGLE & THREE PHASE MOTORS •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

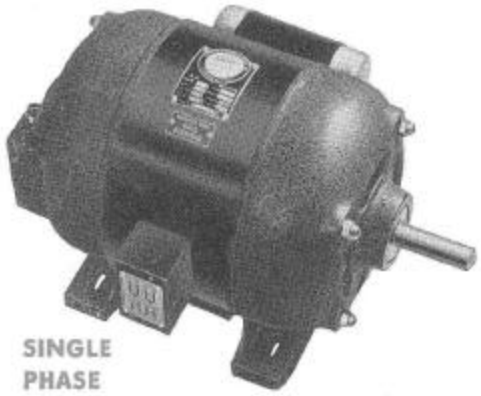
THREE PHASE

ENCLOSED SWITCH

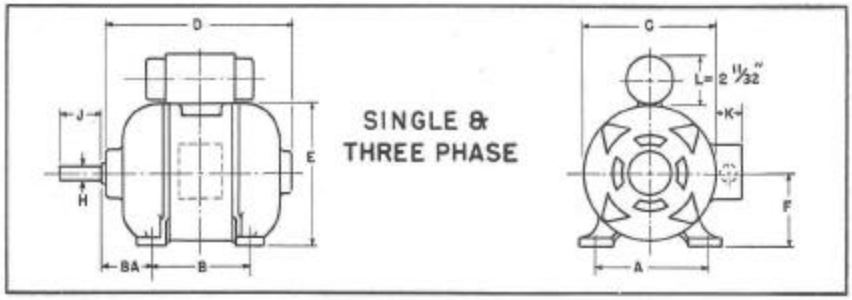
'F' Type
Enclosed Switch

The suffix "F" on the Catalog Number indicates that the motor is supplied with a completely enclosed cut-out switch (see illustration above) and a new high velocity fan. These motors are ideal for all wood-working operations where saw dust is a motor hazard.

The drawing below typifies all Walker-Turner motors and is not typical of any particular type. The dimensions shown are correct for all motors even though the appearances of different types may vary.



SINGLE PHASE



WALKER-TURNER MOTORS

CAPACITOR START—Single Phase 115/230 Volt, 60 Cycles A. C.

Cat. No.	R.P.M.	H.P.	FRAME K C	FRAME Nema	A	B	C	D	E	F	H	J	K	BA	Approx. Ship'g Wgt.
KAB3E	1725	⅓	116G	—	5¼	4 11/16	6 11/16	8⅜	6 33/32	3⅜	⅝	1⅞	1½	1 13/16	27
KAB5E	1725	½	118G	—	5¼	5 5/16	6 11/16	8⅞	6 33/32	3⅜	⅝	1⅞	1½	1 13/16	31
KEB5E	3450	½	118G	—	5¼	5 5/16	6 11/16	8⅞	6 33/32	3⅜	⅝	1⅞	1½	1 13/16	31
KEB5F	3450	½	116	—	5 5/16	4 11/16	6¾	10 1/16	6⅞	3½	⅝	1⅞	1½	2 21/32	42
KAB7F	1725	¾	118	—	5 5/16	5 5/16	6¾	10 9/16	6⅞	3½	¾	2⅛	1½	2 21/32	68
KEB7F	3450	¾	118	—	5 5/16	5 5/16	6¾	10 9/16	6⅞	3½	¾	2⅛	1½	2 21/32	68
KOB7N	1140	¾	12710	204	8	6½	8⅛	14⅞	9 1/16	5	¾	2¼	1½	3⅛	78
KAB10E	1725	1	125C	—	6½	6½	8¼	12½	8⅜	4¼	¾	2¼	1½	3⅛	68
KEB10F	3450	1	120	—	5 5/16	5 11/16	6¾	11 1/16	6⅞	3½	¾	2⅛	1½	2 21/32	50
KEB10G	3450	1	120	—	5 5/16	5 11/16	6¾	11 1/16	6⅞	3½	¾	2⅛	1½	2 21/32	48
KAB15N	1725	1½	12710	204	8	6½	8⅛	14⅞	9 1/16	5	¾	2¼	1½	3⅛	80

THREE PHASE—220/440 Volt, 60 Cycles A. C.

PAB3E	1725	⅓	115G	—	5¼	4 7/16	6 11/16	8⅛	6 33/32	3⅜	⅝	1⅞	1½	1 13/16	23
PAB5E	1725	½	118G	—	5¼	5 5/16	6 11/16	8⅞	6 33/32	3⅜	⅝	1⅞	1½	1 13/16	28
PEB5F	3450	½	116	—	5 5/16	4 11/16	6¾	8⅝	6⅞	3½	⅝	1⅞	1½	2 21/32	35
POB5E	1140	½	120G	—	5¼	5 11/16	6 11/16	9⅜	6 33/32	3⅜	⅝	1⅞	1½	1 13/16	30
PEB7F	3450	¾	118	—	5 5/16	5 5/16	6¾	9⅛	6⅞	3½	¾	2⅛	1½	2 21/32	39
PAB7F	1725	¾	118	—	5 5/16	5 5/16	6¾	9⅛	6⅞	3½	¾	2⅛	1½	2 21/32	39
POB7N	1140	¾	12510	204	8	6½	8⅛	13 1/16	9 1/16	5	¾	2¼	1½	3⅛	65
PAB10E	1725	1	125C	—	6½	6½	8¼	12½	8⅜	4¼	¾	2¼	1½	3⅛	68
PEB10F	3450	1	120	—	5 5/16	5 11/16	6¾	9⅝	6⅞	3½	¾	2⅛	1½	2 21/32	43
POB10E	1140	1	125C	—	6½	6½	8¼	12½	8⅜	4¼	¾	2¼	1½	3⅛	68
PEB15F	3450	1½	120	—	5 5/16	5 11/16	6¾	9⅝	6⅞	3½	¾	2⅛	1½	2 21/32	43½
PAB20N	1725	2	12510	224	9	6¾	8⅛	13 1/16	9 9/16	5½	1	3	1½	3½	75
PEB30N	3450	3	12510	224	9	6¾	8⅛	13 1/16	9 9/16	5½	1	3	1½	3½	77
PEB50N	3450	5	12711	224	9	6¾	8⅛	13 9/16	9 9/16	5½	1	3	1½	3½	88

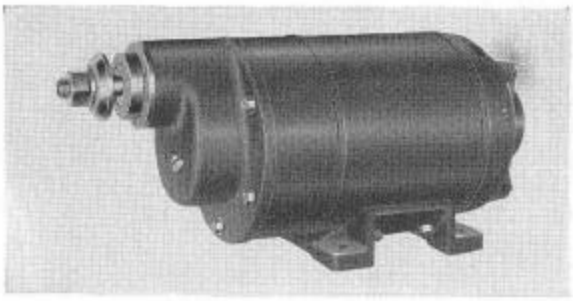
SPECIAL SERVICE MOTORS, 115 Volts, 60 Cycles, A. C.

S4P	1725	¼	1132	—	4⅜	3	6¾	7 11/32	6⅞	3½	½	1½	—	2¾	23¼
S3P	1725	⅓	1142	—	4⅜	3	6¾	7 19/32	6⅞	3½	½	1½	—	2¾	24½
K3B	1725	⅓	1142	—	4⅜	3	6¾	7 19/32	6⅞	3½	½	1½	—	2¾	26
K5B	1725	½	1152	—	4⅜	3	6¾	7 27/32	6⅞	3½	⅝	1⅞	—	2¾	29½

Ball-bearing equipped except S4P and S3P.

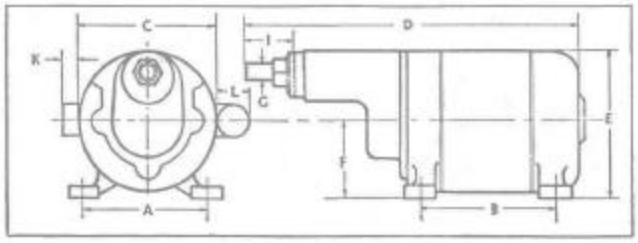
• • WALKER-TURNER OFF-SET DRIVE MOTORS • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION



Through constant research Walker-Turner has developed three Offset-drive Motors to the high degree of operating efficiency and compactness, so necessary when applied to circular saws.

Powering small and medium sized saws imposes a rigid test on motors. The motor necessarily compact and light in weight to obtain portability is almost constantly under full load. Knowing that ordinary motors could not be expected to give satisfactory results, Walker-Turner engineers developed the off-set drive motor. These motors have a power transmission efficiency of 97-98% compared to 60-70% found in the usual belt and pulley set-up. This power saving is put to work at the tooth of the saw.



The drawing at the left typifies all Walker-Turner Off-set Drive Motors and is not to be construed as typical of any particular model. The dimensions shown are correct for all models even though the appearances of different types may vary.

OFF-SET DRIVE MOTORS, 115/230 Volt, 60 cycles, A. C. Single Phase

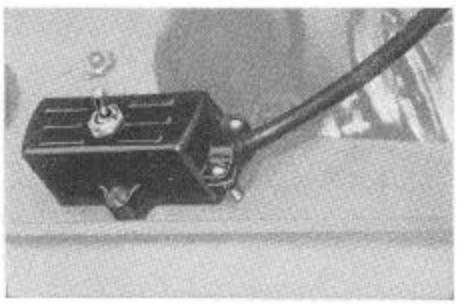
	R.P.M.	H.P.	Frame	A	B	C	D	E	F	G	I	K	Wgt.
GB14F	3450	1½	125			7	16 37/64			5/8	2½	1½	88
GB43*	3450	3	127	5¾	5¾	8⅛	21 5/8	8 5/16	4½	¾	2½		105
GB21	3450	2	125			7	16 37/64			5/8	2½	1½	91

*230 volts only

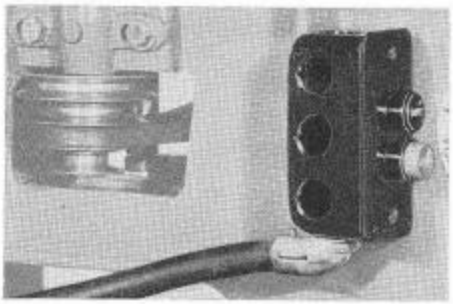
OFF-SET DRIVE MOTORS, 220/440 Volt, 60 cycles, Three Phase

GB16F	3450	1½	120			7	15 19/32			5/8	2½	1½	40
GB31	3450	3	125			7	17 1/32			¾	2½	1½	95
GB45	3450	5	127	5¾	5¾	8⅛	20⅛	8 5/16	4½	¾	2½		110

MOTOR SWITCHES AND ACCESSORIES



TS5 On-off toggle switch, single phase only with cord.

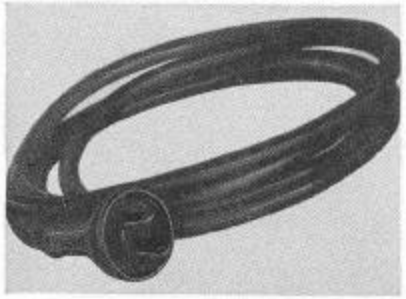


HD151-A On-off push button switch as shown for single or three phase, with cord.

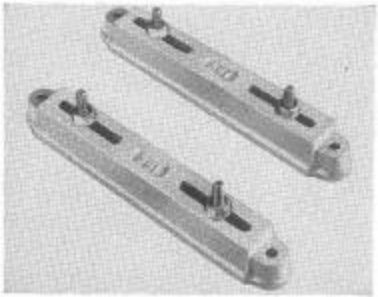
TS6 On-off toggle switch, three phase, less cord.

E16 Lamp with switch as shown less bulb. Use 25 watt bulb.

#14 10′ Cord and plug, single phase, 2 wires.



MB1 Pair of Motor Rails, with 4 bolts, nuts and washer for motor.



• • • • WALKER-TURNER MOTOR GRINDERS • • • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

⅓ H. P. GRINDER

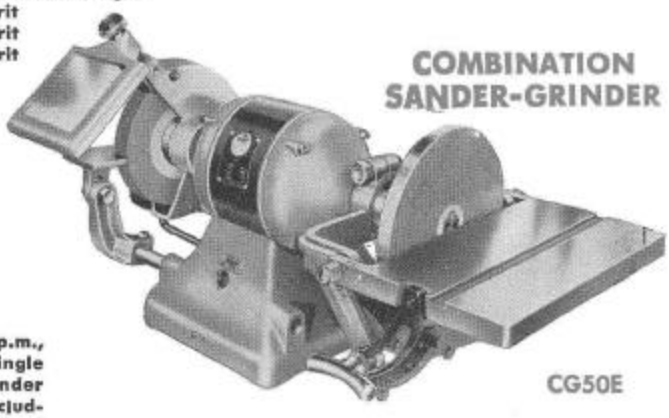
GR35E ⅓ h.p., 3450 r.p.m., 115/230 volt, 60 cycle, single phase Grinder including Eye Shields, cord and plug and two wheels 6″ x ¾″ x ½″

GR35E

GRINDING WHEELS

GR75 Grinding Wheel, 10″ x 1″ x ¾″, 40 grit
GR76 Grinding Wheel, 10″ x 1″ x ¾″, 60 grit
GR58 Grinding Wheel, 7″ x 1″ x ⅝″, 36 grit
GR59 Grinding Wheel, 7″ x 1″ x ⅝″, 60 grit
636 Grinding Wheel, 6″ x ¾″ x ½″, 36 grit
660 Grinding Wheel, 6″ x ¾″ x ½″, 60 grit
SM40 10″ Paper Disc, 40 grit
SM60 10″ Paper Disc, 60 grit
SM80 10″ Paper Disc, 80 grit

COMBINATION SANDER-GRINDER



CG50E ½ h.p., 3450 r.p.m., 115/230 volt, 60 cycle, single phase Combination Grinder and Sander as shown including one 7″ x 1″ x ⅝″ wheel and one 10″ disc 80 grit.

CG50E

GR100 1 h.p., 1725 r.p.m., 220/440 volt, three phase Grinder as shown with 2 wheels 10″ x 1″ x ¾″, less Eye Shields and Base (3 phase only)
GR100A Shatter-proof Eye Shields
GR101 Cast Iron Base

THE MOTOR is fully enclosed and specially designed seals prevent the entrance of dust into ball bearings. The motor end bells are extended, allowing the use of both sides of the grinding wheels.

WHEEL GUARDS are of heavy construction with removable covers affording ready access to the wheels.

TOOL RESTS are rigidly mounted on steel bars which extend from the base. Every necessary adjustment is readily available.

TWO VITRIFIED WHEELS (one fine grit, one coarse grit, both 10″ diameter by 1″ face x ¾″ bore) are supplied as standard equipment.

EXTRA EQUIPMENT AVAILABLE

GR100-A EYE SHIELDS, available as extra equipment, are of the approved type of shatter-proof glass. A light is built into the frame of the eye shield and so mounted as to illuminate the work without causing glare on the glass.

No. GR100 BASE or pedestal, available as extra equipment, is of heavy cast-iron. The top provides a convenient tray for tools or work, as well as a receptacle for holding cooling water.

(Note)—No. GR100 Grinders are available in three phase current only.

SPEEDS: 1725 RPM with 60 cycle motor;
1500 RPM with 50 cycle motor.

GR50E ½ h.p., 3450 r.p.m., 115/230 volt, 60 cycle, single phase Grinder as shown including 2 wheels 7″ x 1″ x ⅝″, less stand
GMP5 Pedestal Stand for GR50E and CG50E

All ½ h.p. grinders have extended end bells.

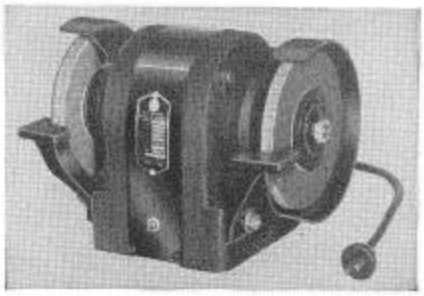
Motors are totally enclosed with special shaft seals to prevent abrasive dust damaging vital parts.

Precision, dust sealed ball bearings are standard equipment on all models.

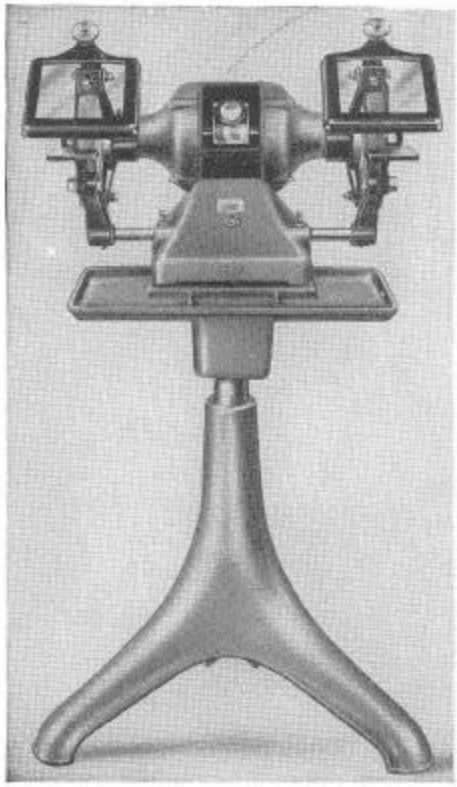
A ground wire is furnished on all models except the three phase.

The guards are easily removed for buffing operations. All models except GR25 fit the pedestal base, GMP5, which is adjustable for height. Height—21″ to 32″.

Operating speed of all standard models is 3450 r.p.m.



GR25 ¼ h.p., 3450 r.pm., 115 volt, 60 cycle, single phase Grinder as shown with two wheels 6″ x ½″ x ½″



• • WALKER-TURNER FLEXIBLE SHAFT MACHINES • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

SFH SERIES FLOOR MODEL

THREE TYPES OF SHAFTS are available (1) for heavy duty, (2) for medium duty, and (3) for light duty. Through the acquisition of one machine and two additional shafts, as listed separately, an infinite variety of jobs can be handled by the same machine.

A WIDER RANGE OF SPEEDS, in addition to those provided by 4-step V-pulleys can be obtained when using the medium duty shaft by interchanging the motor pulley and shaft drive pulley. This is not recommended when using the heavy duty shafts, due to the high speeds obtained.

INTERCHANGEABLE AT WILL the three shafts can be switched in a few seconds. No tools are required to make the changeover.

ALL REQUIREMENTS for general purpose grinding, polishing, filing, buffing and similar work are answered by the SFH Series Floor Model and SFL Bench Model Flexible Shaft Machines shown and described on this page.

Handpieces on Heavy Duty Models take any accessory with ½" hole, or threaded ⅝"-16 standard, or with ⅝" shank.
Medium and light duty models take accessories only with ¼" shank.

FLOOR MODELS (SFH Series) are carried on a 3-leg pedestal base with ball bearing casters. Motors are hung in a yoke.

BENCH MODELS (SFL Series) do not have the yoke mounting. The ball bearing casters may be removed and the machine permanently mounted on the bench.

SFH1—HEAVY DUTY FLOOR MODEL MACHINE—(without motor).....
KEB7X—¾ H.P. 3450 RPM MOTOR
(Speeds—1270-1825-2500-3500 RPM)

Includes:
SF87—Core 7/16" dia., 74" long;
SF91A—Casing;
SF56—Handpiece.

SFH2—MEDIUM DUTY FLOOR MODEL MACHINE (without motor).....
KEB5X—½ H.P. 3450 RPM MOTOR
(Speeds—3450-4500-6500-9500) or (1275-1825-2500-3500)
Includes:
WSF117—Core ⅝" dia.; 55⅜" long;
WSF116—Casing—4 wire Casing 53½" long;
WAC4—Handpiece.

SFH3—LIGHT DUTY FLOOR MODEL FLEXIBLE SHAFT MACHINE (without motor)
KEB5X—½ H.P. 3450 RPM MOTOR
(Speeds—3450-4500-6500-9500)
Includes:
WSF117S—Core ¼" dia.; 55⅜" long;
WSF116—Casing—4 wire Case 53½" long;
WAC4—Handpiece.

SFL SERIES BENCH MODEL

OUTSTANDING FEATURES of both Floor and Bench Models (many of which are exclusive) are:

Fully enclosed belt and pulley assembly.

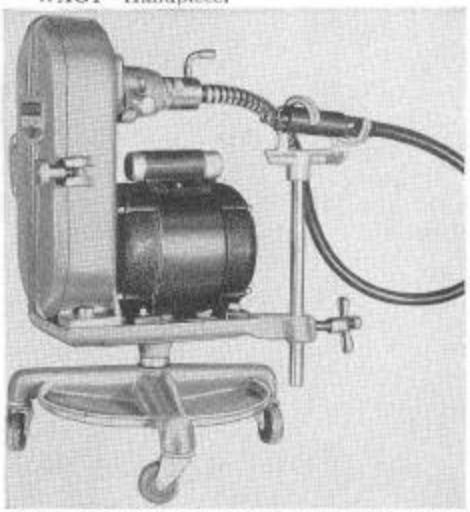
Full length phosphor bronze bearing liner which minimizes vibration and adds greatly to life of the shaft. Jackshaft spindle rotates on fully enclosed ball bearings.

Handpiece ball bearings are especially selected, and are protected at both ends from grit or dirt by scientifically designed labyrinth seals. Motors are Walker-Turner "Custom Built"—the finest obtainable regardless of price.

SFL1—HEAVY DUTY BENCH MODEL (without motor).....
KEB7X—¾ H.P. 3450 RPM MOTOR.....
(Speeds: 1270-1825-2500-3500 rpm.)
Includes: SF87 Core, 7/16" dia., 74" long; **SF91A** Casing; **SF56** Heavy Duty Handpiece.

SFL2—MEDIUM DUTY BENCH MODEL (without motor).....
KEB5X—½ H.P. 3450 RPM MOTOR.....
(Speeds: 3450-4500-6500-9500) or (1275-1825-2500-3500)
Includes: WSF117S—¼" Core, 55⅜" long; **WSF116**—Casing 4-Wire, 53½" long—rubber covered; **WAC4**—Handpiece with ¼" draw-in collet chuck.

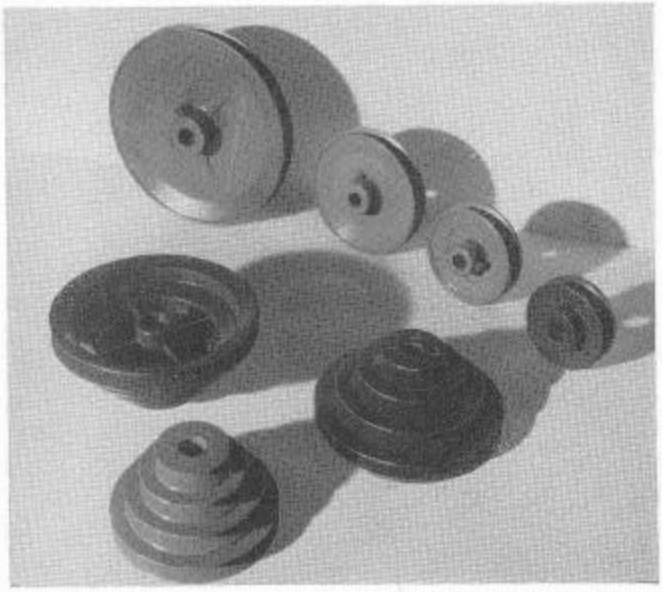
SFL3—LIGHT DUTY BENCH MODEL MACHINE (without motor)
KEB5X—½ H.P. 3450 RPM MOTOR.....
(Speeds: 3450-4500-6500-9500 or 1275-1825-2500-3500)
Includes: WSF117—⅝" Core, 55⅜" long; **WSF116**—Casing 4-Wire—rubber covered—53½" long; **WAC4**—Handpiece.



The hand pieces supplied with Walker-Turner shafts are the result of intensive study and development. Only especially selected bearings are used—these being protected on both ends of the hand piece by scientifically designed labyrinth seals which definitely prevent the entrance of grit or dirt and insure long, trouble-free service. A moulded layer of synthetic rubber provides an ideal grip on the WAC4 hand piece.

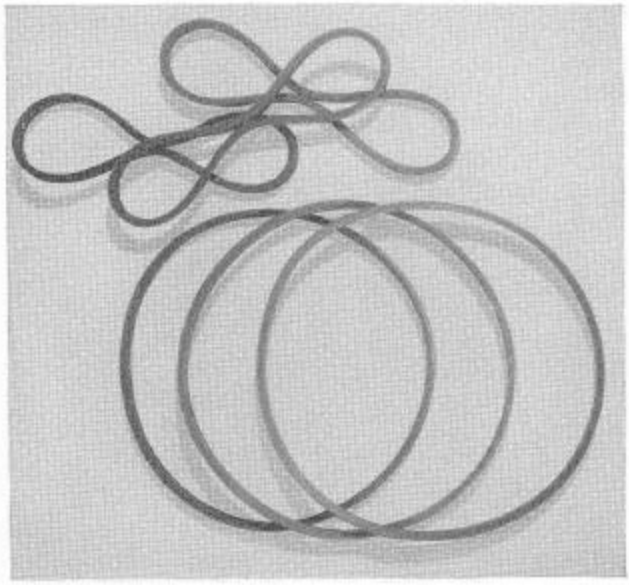
• • WALKER-TURNER TRANSMISSION EQUIPMENT • •

WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION



"A" SECTION BELTS

VB24	V Belt—24" inside circ.	VB44	V Belt—44" inside circ.
VB25	V Belt—25" inside circ.	VB48	V Belt—48" inside circ.
VB26	V Belt—26" inside circ.	VB51	V Belt—51" inside circ.
VB28	V Belt—28" inside circ.	VB54	V Belt—54" inside circ.
VB29	V Belt—29" inside circ.	VBB56	V Belt—56" inside circ. ("B"
VB32	V Belt—32" inside circ.	VBB58	V Belt—58" inside circ. Section)
VB36	V Belt—36" inside circ.	VB58	V Belt—58" inside circ.
VB42	V Belt—42" inside circ.	VB16	Set of three belts (⅜" Section)



"V" PULLEYS ½" - ⅝" - ¾" BORE

½" BORE

Cat. No.	Grooves	Diameter in Inches
PV250X	1	2½
PV450X	1	4
PV65X	1	6½
PV30X	3	3¼, 2½, 1¼
PV41X	4	3¼, 2¾, 2½, 1¾
PV43X	4	4¾, 4¼, 3¾, 3¼
PV550X	4	5, 3⅞, 2 13/16, 1¾
PV500X	4	5½, 4⅜, 3 5/16, 2¼

⅝" BORE

PV258X	1	2½
PV365X	1	3
PV458X	1	4
PV658X	1	6½
PV35X	3	3¼, 2½, 1¼
PV45X	4	3¼, 2¾, 2¼, 1¾
PV48X	4	4¾, 4¼, 3¾, 3¼
PV58X	4	5, 3⅞, 2 13/16, 1¾
PV62X	4	5½, 4⅜, 3 5/16, 2¼

¾" BORE

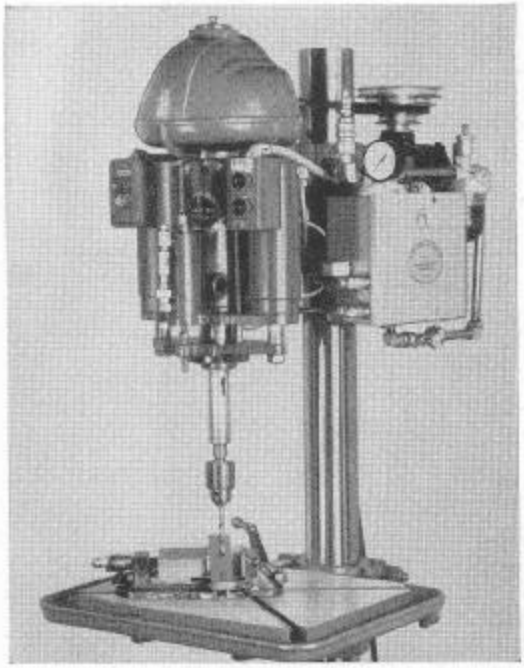
BN18X	1	6½
PV49X	4	4¾, 4¼, 3¾, 3¼
PV575X	4	5, 3⅞, 2 13/16, 1¾
PV1003X	5	6½, 5½, 4½, 3½, 2½

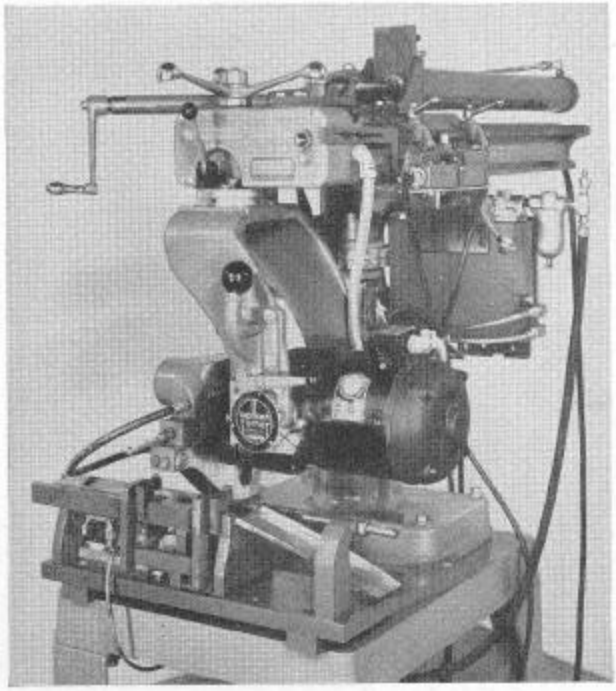
WALKER-TURNER EQUIPMENT for AUTOMATIC FEEDING

Four new production tools featuring automatic air feeding are being added to the Walker-Turner line. These new models include a 15" Drill Press, 20" Drill Press, a foot controlled mortising machine and an automatic cut-off and slitting saw for nonferrous metals.

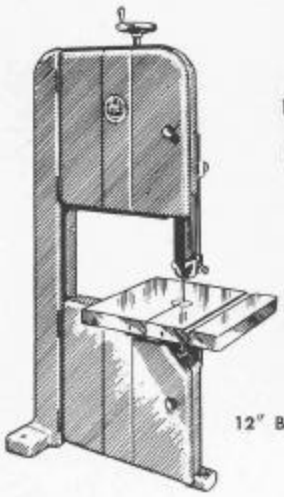
Various standard air feed drill press combinations will be available. These will incorporate semi-automatic or automatic drilling and tapping cycles. These units will also be made available with built-in provision for the automatic control of auxiliary air actuated holding or indexing devices, etc.

Complete information and prices may be obtained on these outstanding tools by writing to the factory at Plainfield, N. J.

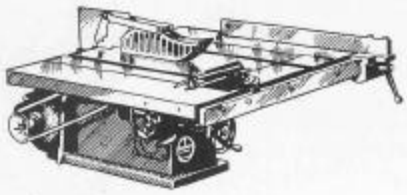




WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION • • • PLAINFIELD, N. J., U. S. A. • • • WALKER-TURNER DIVISION • • • KEARNEY & TRECKER CORPORATION

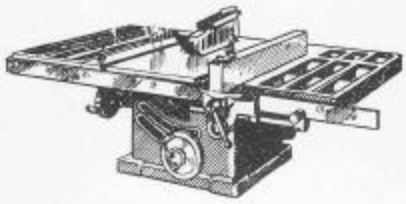


12" BAND SAW



TILTING TABLE SAWS

FLEXIBLE SHAFT MACHINES

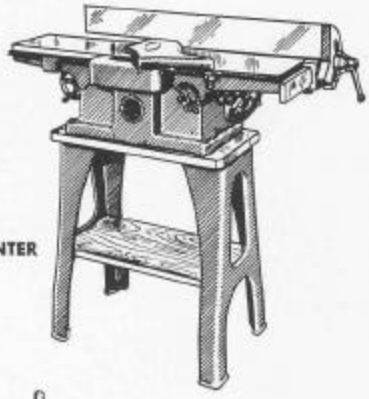


TILTING ARBOR SAWS

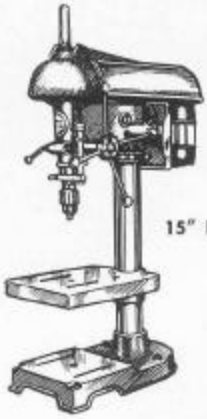
A COMPLETE LINE

OF POWER TOOLS FOR METAL AND WOODWORKING

In addition to the machines shown in this catalog, the Walker-Turner Division also manufactures a line of lighter woodworking equipment for the small industrial shop and for the home workshop. The same high quality materials and the same precision workmanship found in the machines illustrated in this catalog will also be found in the machines illustrated in catalog "B".

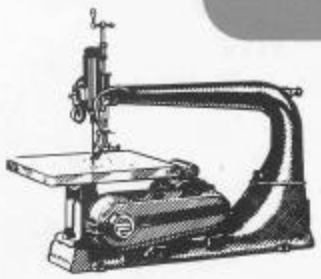


6" JOINTER



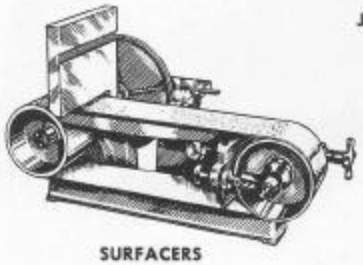
15" DRILL PRESSES

walker-Turner
DIVISION
KEARNEY & TRECKER CORP.
PLAINFIELD, N. J.
U. S. A.

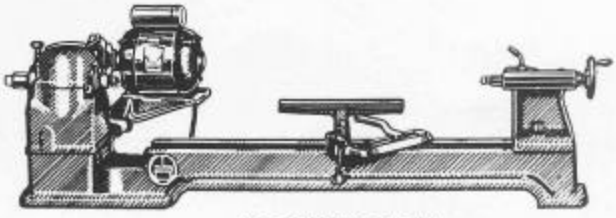


JIG SAWS

MOTORS



SURFACERS



WOODTURNING LATHE

GRINDERS

walker-Turner
DIVISION
KEARNEY & TRECKER CORP.
PLAINFIELD, N. J.
U. S. A.

SMITH-WEST COMPANY

578-584 Grant Street Buffalo 13, N. Y.

Lincoln 2214