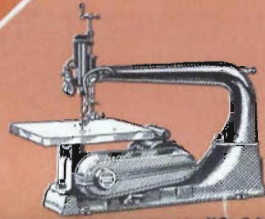
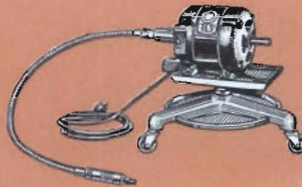


MACHINE TOOLS

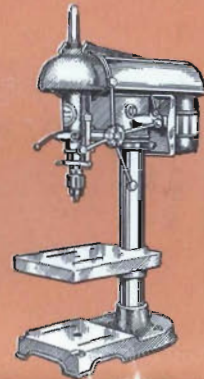
WALKER-TURNER



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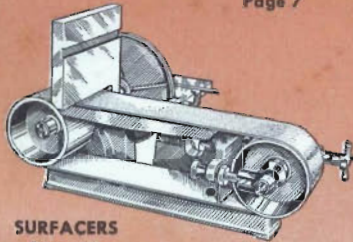
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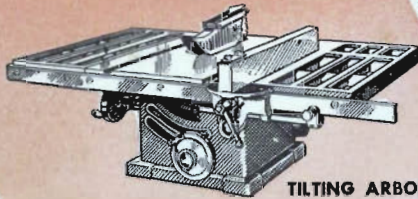
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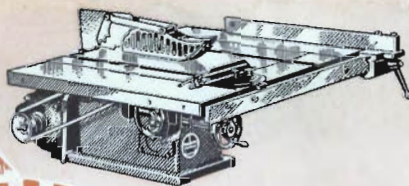
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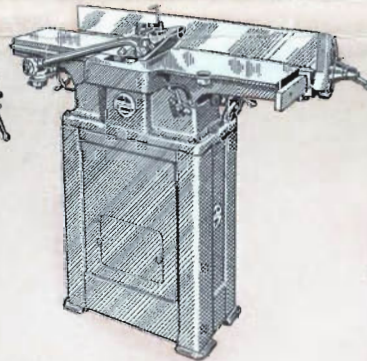
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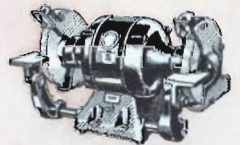
TILTING TABLE SAWS
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6" JOINTER
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Page 13



FOR METAL AND
WOODWORKING

walker-
Turner

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

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MONTAGUE-HARRIS & CO.

San Francisco 3
1075 Folsom St.
Underhill 1-9061

Los Angeles 23
3509 E. Olympic Blvd.
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CATALOG



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

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

Combining the experience of two pioneer organizations and their affiliated research, manufacturing facilities and know how—the Walker-Turner Division at Plainfield, N. J. is now supplying light machine tools of ever-increasing standards of performance, long life, and trouble free operation.

Prices shown in this catalog or on separate price list are F.O.B. Plainfield, N. J. and are subject to change without notice. Prices are slightly higher at distant points for transportation; they are also subject to local, state or federal sales tax wherever such taxes are in force. The right is reserved to make changes in design, additions to or improvements on all products without imposing any obligation on the Company to install these changes on items previously sold.

Walker-Turner Division
Kearney & Trecker Corporation, Plainfield, N. J.

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WALKER-TURNER MACHINE TOOLS ARE SOLD ONLY THROUGH AUTHORIZED DEALERS

•• WALKER-TURNER 12 INCH BAND SAW •••



The Walker-Turner 12" Band Saw is a completely new machine, revolutionary in design and construction. Now, for the first time in band saw manufacturing, all the basic parts of the machine are functional. The unit construction used in the building of the Walker-Turner 12" Band Saw provides a machine that is by far stiffer and more solid than that found in any machine using the customary one piece frame. In the Walker-Turner Unit Design, the main column or back-bone of the machine supports the two cast iron wheel housings that in turn carry the wheel bearings and the other elements of the blade guides, table brackets and so forth. The wheel housings are fitted with strong, light weight covers that completely cover the saw blade and wheels.

The upper wheel is aligned by means of a simple but positive screw device that requires little or no attention once it is aligned.

Upper and lower blade guides are improved to give maximum support to both wide and narrow saw blades. An easily adjusted roller provides back support on the upper guide.

SPECIFICATIONS

- CAPACITY:** Blade to frame 12", upper guide to table 7", Blade width $\frac{1}{8}$ " to $\frac{3}{4}$ ".
- BLADE SPEED:** 1500 feet per minute, using a 1740 rpm motor.
- GUIDES:** Split leaf type for side thrust, with hardened steel roller in upper guide.
- FRAME:** Cast iron unit type construction. Simplified three unit design to provide maximum stiffness. Patent applied for.
- BEARINGS:** Saw wheels run on four ball bearings, two on each wheel.
- WHEELS:** Cast aluminum alloy, dynamically balanced and rubber tired.
- TABLE:** Cast iron milled working area with a $\frac{3}{8}$ "x $\frac{3}{4}$ " mitre gauge slot, table tilts to 45° on rigid trunion, positive stops at 45 and 90°.
- GUARDS:** Upper and lower wheel guards are cast iron, fully covered by sheet steel doors that are hinged for easy access. Entire blade is guarded except working area between guide and table.
- RECOMMENDED MOTORS:** $\frac{1}{2}$ hp, 1740 rpm, Walker-Turner Capacitor type or three phase.
- DIMENSIONS:** Height, machine only 42", machine on stand 67". Width 17", Length 34 $\frac{1}{2}$ ", including rear mounted motor. Table to floor, on stand, 40" Table to stand, 15"
- WEIGHT:** 120 lbs. Shipping weight, 150 lbs.

MODEL LISTING

- BW740 12" Band Saw with one $\frac{1}{2}$ " saw blade, less motor, motor pulley, and belt
- BW143X Motor Bracket. For mounting motor at rear of machine as shown in photo at left
- VB44 44" V Belt
- BW144X Belt Guard
- KAB3E $\frac{1}{2}$ hp, single phase, 115/230 volt, 60 cycle motor
- T55 On and off switch for single phase only
- #14 10 ft. cord and plug for single phase motors only
- PAB3E $\frac{1}{2}$ hp three phase, 220/440 volt, 60 cycle motor
- IJ110X Stand, cast iron legs, wood shelf and top as shown at right
- MB1 Motor Rails
- VB 46 V Belt
- PV 258 Motor Pulley $\frac{3}{8}$ " bore



BW740 Band Saw shown mounted on IJ110 X Stand, necessary belt, pulley and motor rails are listed above.

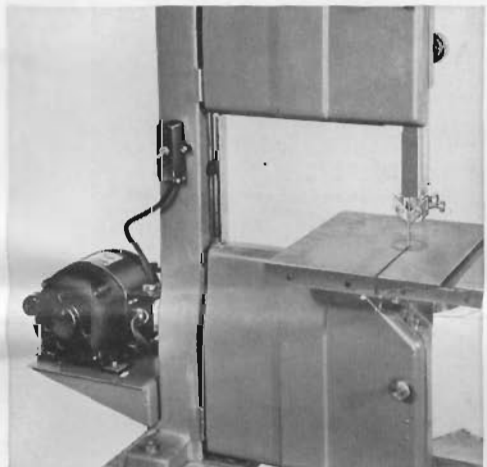
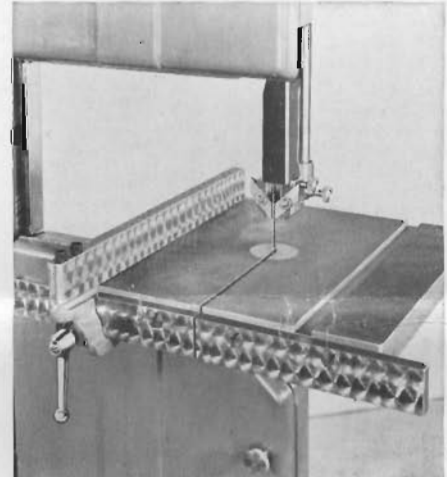


Photo shows method of attaching BW 143X Motor Bracket to band saw. See listing above for price.



BW148X Rip Fence and Carriage Bar, illustrated above. B-115 Miter Gauge for use on 12" Band Saw

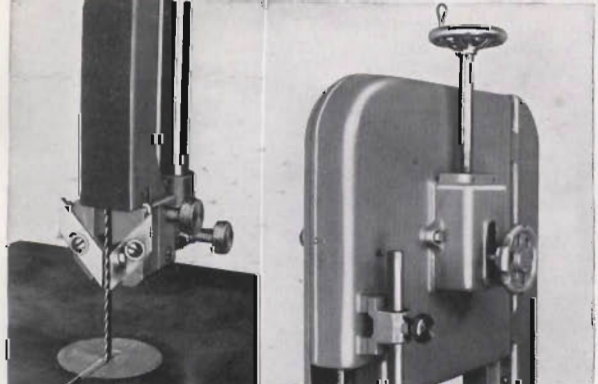


Photo at far left shows improved saw guide with guide blocks adjustable for various blade widths. Angled guide blades permit getting the point of support close to the work.

Blade tensioning and aligning mechanism is completely enclosed in a heavy cast iron housing. All control handles are conveniently located.

BLADES

Three standard width blades are available for the 12" Band Saw. A $\frac{1}{4}$ " wide blade is supplied with the saw as standard equipment.

- 7BW25 $\frac{1}{4}$ " wide blade, 85" long
- 7BW38 $\frac{3}{8}$ " wide blade, 85" long
- 7BW50 $\frac{1}{2}$ " wide blade, 85" long



• • • WALKER-TURNER 15 INCH DRILL PRESSES •

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 make 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.

SPECIAL FEATURES

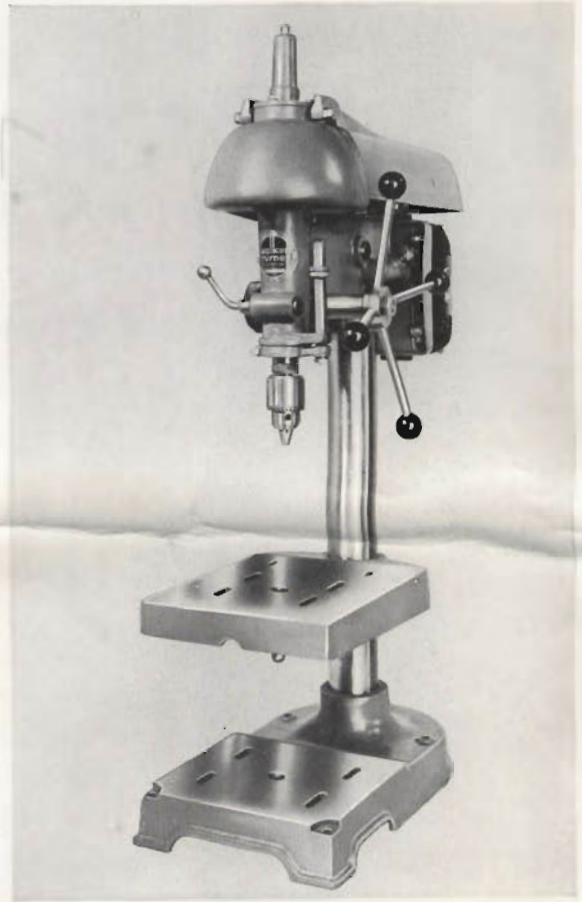
- Four ball bearings in head—one on each end of the pulley, two on the spindle.
- One piece head casting, completely machined in one setting for greater accuracy.
- Six spline floating spindle, tapered end to fit Jacob's chuck, ground on centers.
- Balanced pulleys.
- Accuracy greater than on many higher 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: 4 1/4"
FOUR SPEEDS: 600, 1250, 2440 and 5000 R.P.M. using a 1740 R.P.M. motor.
CAPACITY: Bench Models—12" chuck to table, 17 1/2" chuck to base. Floor Models—39 3/4" chuck to table, 46" chuck to base. All models 7 1/2" center of chuck to column. Drills to center of 15" circle.
CHUCK: #6A Jacobs key type capacity 0 to 1/2".
TABLE: 10" x 12 1/4" 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, 3/8" diameter, made #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, 2 3/4" 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.



D-936



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.

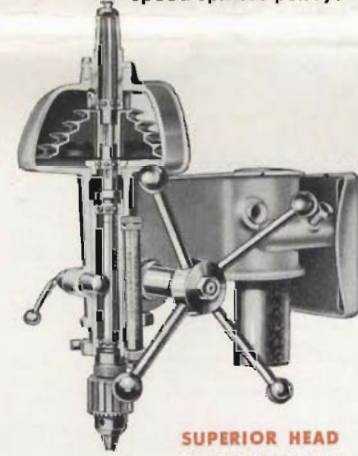
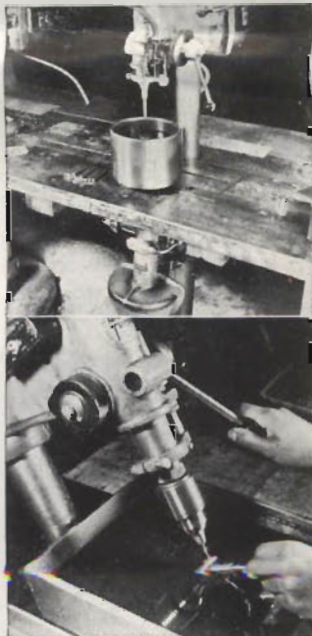
RECOMMENDED MOTORS (See page 6)

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 2 3/4" 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.



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.



FOOT FEED MODEL

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

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.



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.....

SPECIFICATIONS (Production Models)

- FOUR SPEEDS:** 600, 1250, 2440 and 5000 R.P.M. with a 1740 R.P.M. motor.
- CAPACITY:** 18 1/2" chuck to table, 7 1/2" center of chuck to column. Drills to center of 15" circle.
- CHUCK:** No. 6A Jacobs, key type, 0 to 1/2" capacity.
- SPINDLE:** Six spline full floating type, mounted on two ball bearings. 5/8" diameter. Male #33 Jacobs taper to fit 6A Jacobs chuck, or #1 Morse taper socket (optional).
- SPINDLE TRAVEL:** 4 1/4" 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, 2 3/4" diameter.
- RACK AND PINION:** Feed pinion is hobbled from solid steel bar, rack teeth are milled into quill.
- TABLES:** Cast iron ground to plane surface. Single spindle 14 1/2" x 16", multiple spindle models 17 1/2" wide, two spindle 23" long, four spindle 45" and six spindle 67".

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 1/4" Hollow Chisel**
- HCS6 3/8" Hollow Chisel**
- HCS8 1/2" Hollow Chisel**
- HC25A 1/4" Bit**
- HC38A 3/4" Bit**
- HC50A 1/2" Bit**



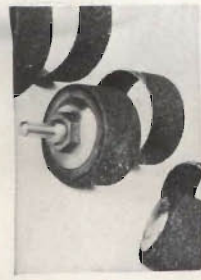
For sharpening mortising chisels, this stone simplifies the problem of keeping them in good condition. It can be used on the drill press, in the Jacobs Chuck.

D Grinding Shape

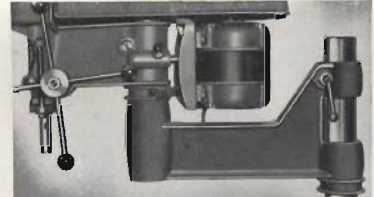


This adapter is attached to the drill press spindle in place of the Jacobs Chuck. It can be used to hold any accessories having 1/2" diameter holes.

9D5 Threaded Adapter



- SANDING DRUMS**
- D530 3" x 1" Sanding Drum, one sleeve**
 - D520 2 3/16" x 1" Sanding Drum**
 - D515 1 1/2" x 1" Sanding Drum**
 - D530C 6 coarse sleeves for D530**
 - D530F 6 fine for D530**
 - D520C 6 coarse sleeves for D520**
 - D520F 6 fine for D520**
 - D515C 6 coarse sleeves for D515**
 - D515F 6 fine for D515**



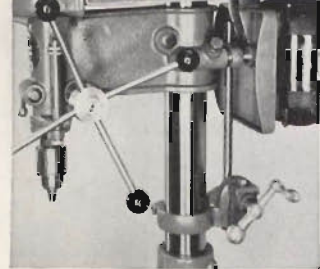
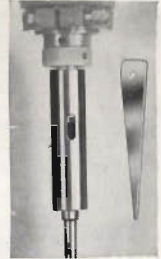
Increases the distance between the column and the chuck to 24". For light drilling, it will fit all models of the 15" Drill Press.
9D6 Extension Arm complete



Provides additional speed range for 900 Series Drill Presses, ten speeds from 165 to 6750 R.P.M.
9D113 Slow Speed Attachment complete

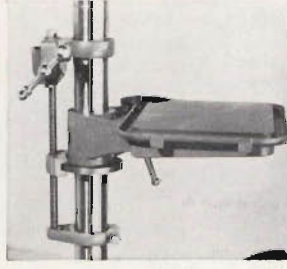
Fits the drill press spindle in place of the Jacobs Chuck.

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 1/2" 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 24 INCH FOUR SPEED JIG SAW

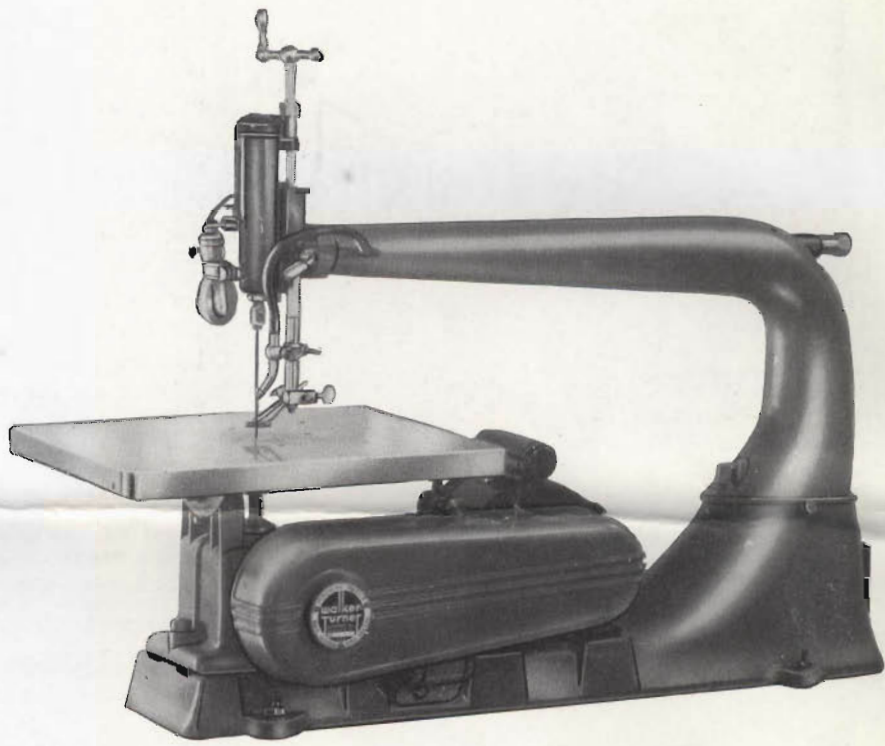
FEATURES

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

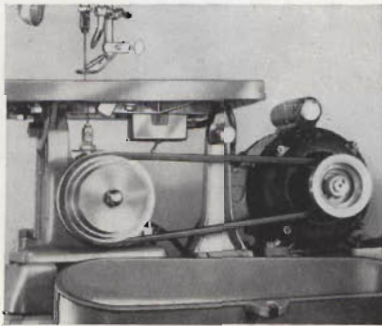
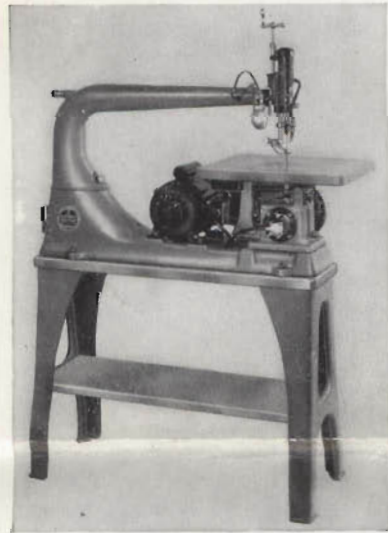
- BLADE TENSIONER:** A patented Walker-Turner feature that makes possible rapid blade changing and permits tension adjustments to be made while the machine is running.
- DRIVE MECHANISM:** Reciprocating type, bronze bearings, splash lubrication.
- NEW BLOWER:** New positive action blower, built into 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.
- VICES:** Standard vises will accommodate all jig and fret saw blades up to 1/8" wide. Wider blades require the use of SJ236A Vises. Capacity, upper vise to table is 2 3/4" when using a 6" blade.
- DIMENSIONS:** Overall height on stand 50 1/2", without bench, 25 1/2". Length, 33".
- WEIGHT:** Shipping weight, 192 lbs., without bench or motor, 132 lbs.



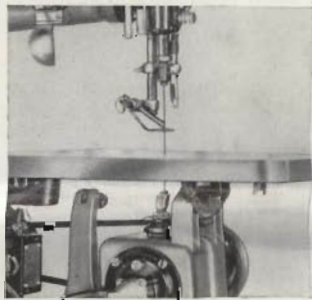
U. S. Patent Nos. 2,116,122; 2,116,123; 2,165,002. Other pats. pend.

MODEL LISTING

- J915 24", Four Speed Jig Saw, including motor pulley and belt, less belt guard, lamp, switch and motor
- 7J125 Belt Guard
- JL3 Lamp, complete
- J61 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
- SJ147 10' Extension cord and plug
- KAB3E 1/2 hp, 1740 rpm, 115/230 volt, 60 cycle, single phase motor



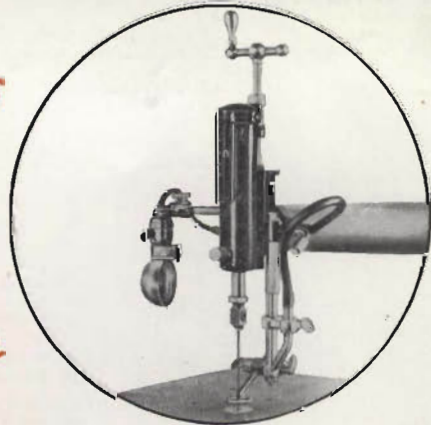
Under-table view shows table bracket, blade vise main housing and guard bracket. Four speeds, 600, 900, 1250 and 1740 rpm provide correct range for all types of work from fret sawing to metal sawing.
The patented Walker-Turner tensioning head shown at right below, permits changing the blade tension while the machine is in motion and it simplifies blade changing.



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, 12 3/4" 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 1/8" thick
	14J	.020	.072	15	Metal over 1/8", and wood
620	610	.020	.110	10	General purpose, wood, metal
	61S	.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 4 SPEED LATHE •••

FEATURES AND MODEL LISTINGS

The Walker-Turner Four-Speed Lathe is a general purpose wood-turning lathe combining the best principles of lathe design with massive construction and manufacturing precision. While built primarily for wood turning, its heavy cast iron headstock and double row spindle bearings make it an ideal machine for metal spinning. Four-step spindle and motor pulleys offer ample range of speed varying from 700 to 4200 rpm.

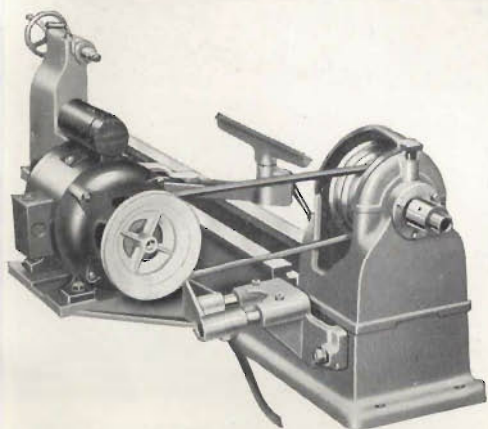
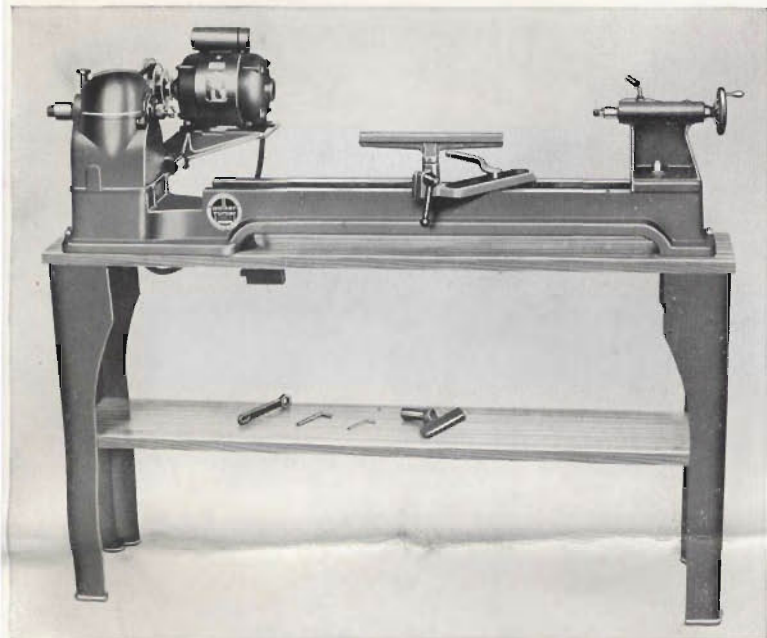
The V belt and spindle pulley are fully protected by a quick-change guard.

Head and tailstock spindles are machined to accommodate No. 2 Morse Taper centers and arbors, permitting the use of wire wheels, grinding wheels and sanding drums.

- L951**—Lathe, bench model with 39" V belt, rear motor bracket, head and tailstock centers, four-step motor pulley, 6" and 12" tool rests.....
- WL77X**—Lathe Bench as illustrated.....
- KAB5E**—½ hp. motor, single phase, 110/220 volt, 60 cycle, 1740 rpm., capacitor start.....
- PAB5E**—½ hp. motor, three phase, 220/440 volt, 60 cycle, 1740 rpm.....

SPECIFICATIONS

- BED:** Gap type, cast iron, machined ways top, side and bottom. 5" wide.
- HEADSTOCK:** Cast iron, spindle 1" O.D. 5/8" hole through center, double row ball bearings 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 15", over bed 12", distance between centers 38".
- SPINDLE SPEEDS:** Four, 700, 1150, 2200 and 4200 rpm.
- OVERALL DIMENSIONS:** Height 47 1/4", Width 58 1/2", Depth 26".
- SHIPPING WEIGHT:** 165 lbs.



Swing
Over Bed 12"
Over Gap 15"
 •••
Distance
Between
Centers
38"

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: 3/4", 1 1/2" and 1 3/4" gouge, 1/2" round nose, 1/2" parting tool, 3/4" and 1/2" skew chisel and 1/2" Spear point.
L8A—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.....



1/2" Jacob's Chuck

Used with 9L28 in either head or tailstock spindle for drilling and similar operations.

- 6A**—Jacob's Chuck 1/2" capacity with key.....

•••• WALKER-TURNER 8 INCH TABLE SAW ••••

MODEL LISTING

CB970 8" Table Saw, including guard and splitter, rip fence, belt and motor pulley. Blade, mitre gauge, extension tables and motor are not included...

7B20 Combination Blade.....

9B36 Dado Head.....

MBS105DX Dado Insert.....

MG90 Special Mitre Gauge.....

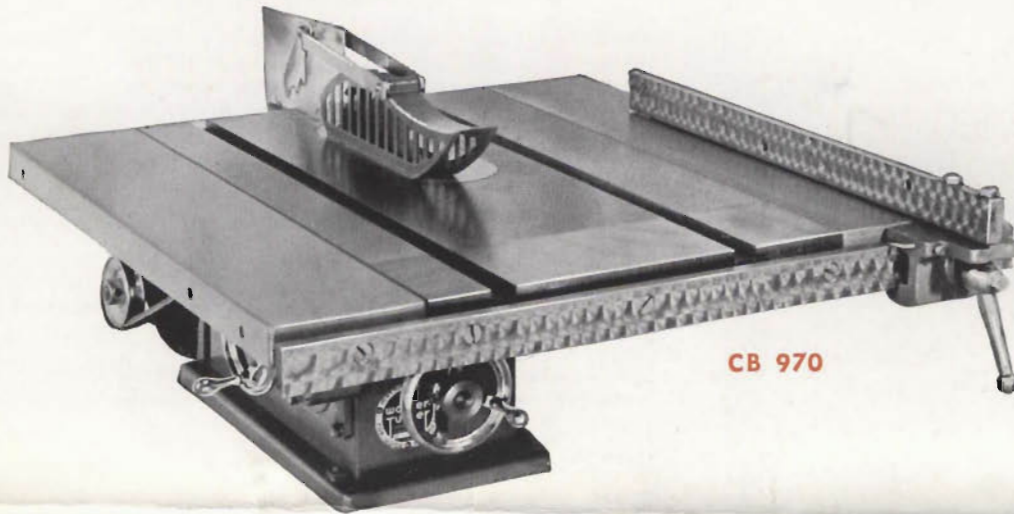
MG150X Mitre Gauge.....

IJ110X Floor Stand.....

KEB5E 1/2 hp., 3450 rpm., single phase 110/220 motor.....

T55 On-off Switch.....

SJ147 10 ft. Cord and Plug.....



OUTSTANDING FEATURES

The Walker-Turner CB970 Bench Saw is designed and built to the highest engineering standards. It will meet the most exacting requirements of the carpenter, cabinet-maker, and craftsman. For an outstanding value in a machine of this type, the Walker-Turner CB970 is hard to beat. The smooth operating depth of cut and angle of tilt and the quickly adjusted ripping fence will appeal to every user of this machine.

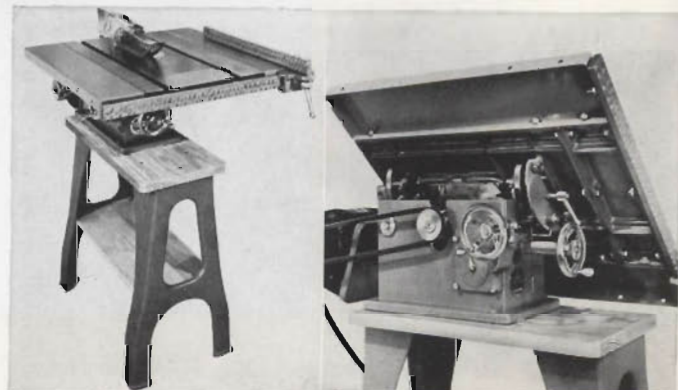
Designed to meet the need of the average builder or contractor, special attention has been given to making a machine that will maintain its accuracy and stand up under a more than normal amount of abuse. All unnecessary weight has been eliminated, making this saw easy to move about from job to job.

The base of the machine is made from heavy gauge steel welded for greater strength. The table is close grain gray iron, milled to a plane surface. The rip fence is a solid steel bar drilled to permit attaching a wood face if desired. The soft metal guard and the kick-back pawls are mounted on a steel splitter; this entire unit is readily removed.

The motor is mounted on an extension of the arm which carries the saw arbor, making the motor and saw an integral unit. The handwheel located in front of the machine raises and lowers the saw blade, while the wheel on the side of the machine controls the angle of table tilt. This wheel is provided with a positive lock to hold the saw at any desired angle. The table may be tilted up to 45° in one direction.

The saw arbor is carried on sealed ball bearings mounted in a dust tight housing. The elevating mechanism is completely enclosed and is dust proof.

The soft metal table insert is easily removed, a similar insert for use with a dado head is available. This insert is illustrated elsewhere on this page.

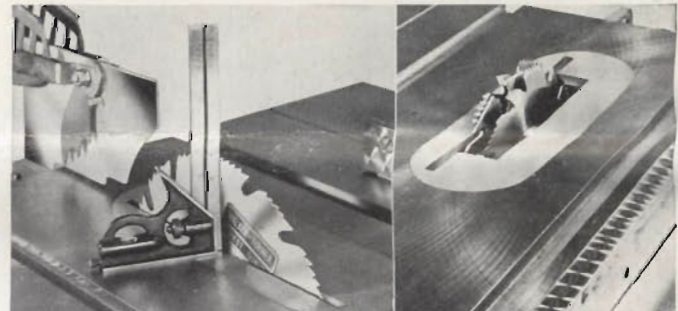


Illustrated above is the CB970 mounted on IJ110X Floor Stand, making it a self-contained, portable unit.

Under table view of CB970 showing conveniently placed hand wheels.

The 2 1/2" depth of cut using an 8" blade is clearly shown in the photo below.

The convenient dado insert is shown below, it permits using the full width dado with a minimum open area around it.



MG90 Special self-indexing mitre gauge shown below is recommended for accurate cross cutting and angle cutting. It will slide smoothly in the table slot.

MG150X Mitre Gauge is suggested for all around cross cutting and angle cutting. It is interchangeable with MG90.

SPECIFICATIONS

SAW TABLE: 15" by 20 1/4" deep. Two mitre gauge slots.

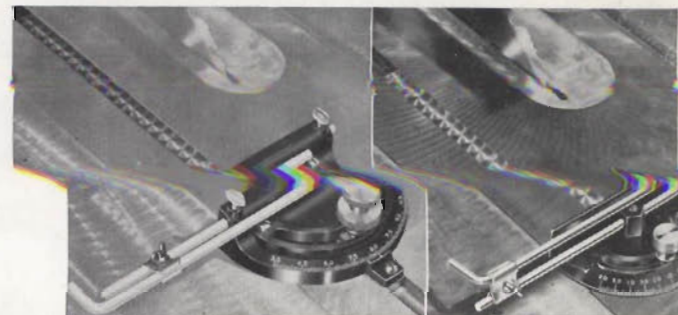
EXTENSION TABLES: Front table 4" wide, side tables, 5" wide. Table size with extensions, 25 by 24 1/4".

CAPACITY: Depth of cut 2 1/2" maximum with 8" blade.

BLADE: 8" diameter, 5/8" bore.

MOTOR RECOMMENDED: 1/2 H.P., 3450 R.P.M.

SHIPPING WEIGHT: 85 lbs.



••• WALKER-TURNER 6 INCH JOINTER •••

- P911 Six inch Jointer, as shown with single V belt drive and flat type swing guard, knives, belt and motor pulley, less motor, switch, stand, and motor mounting.....
- IJ110 X Stand as shown, with cast iron legs, wood top and shelf.....
- MB1 Set of two motor mounting rails.....
- KEB5E ½ hp., 110/220 volt, 60 cycle, single phase, 3450 rpm. capacitor start motor.....
- T55 On-off Toggle Switch for single phase only.....
- No. 14 Cord and Plug for single phase on y.....
- PEB5E ½ hp., 220 volt, 60 cycle, three phase motor.....
- HD151A On-off Push Button Switch for three phase or single phase.....
- 9P9 Set of three knives (replacement).....

The P911 Jointer is the product of more than 15 years of experience in building jointers of this type. The solid steel cylindrical cutter head with its three knives, cast iron tables on dove tail ways with adjustable gibs and large hand wheel controls, its husky one piece cast iron base and single V belt drive are testimony to the engineering experience behind this machine. The leg of mutton type knife guard provides ample protection and is readily removed for rabbeting operations or other work where a clear table is required.

Outstanding among the many features of the P911 Jointer are: Big tables over 7" wide and 37½" long... Portability—the unit is readily moved from job to job... Basic Walker-Turner table gives simple, accurate depth adjustment... Fence tilting accuracy is insured by a graduated quadrant, 45° and 90° indexing plunger.

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 42½".
- SHIPPING WEIGHT: 175 lb. without stand or motor. Stand only 60 lbs.

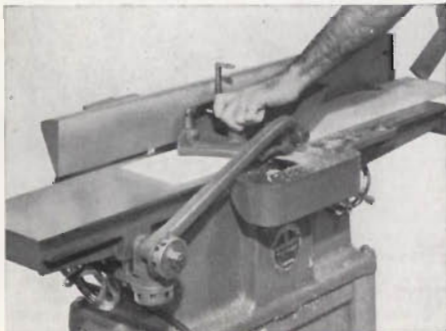


Motor may be mounted under or behind the machine. Pulleys supplied with machine give cutter-head speed of 3800 rpm. MB1 Motor Rails listed above may be used to mount the motor.

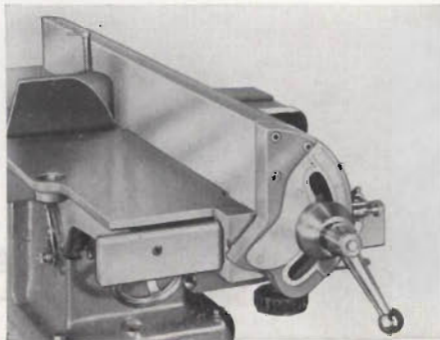


Dual Purpose Guard, pressure of thumb holds small pieces down while guard controls side pressure. This guard is available as an accessory only. It can not be supplied with the machine. 9P25 Dual Purpose Guard complete.....

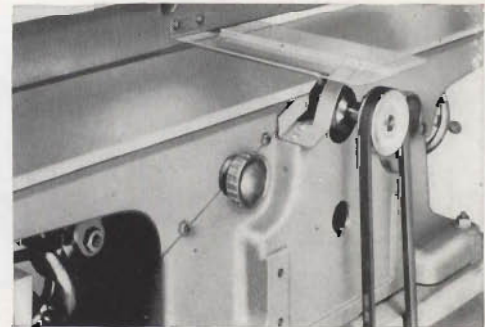
Using the Dual Purpose Guard it is possible to plane stock ribbon thin with absolute safety.



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. IJ221X Rear Knife Guard.....



WALKER-TURNER BELT AND DISC SURFACER ••

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.....

PAB5E ½ hp, 1740 rpm, 115-230 volt, 60 cycle, 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.

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 2550 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 18".

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

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

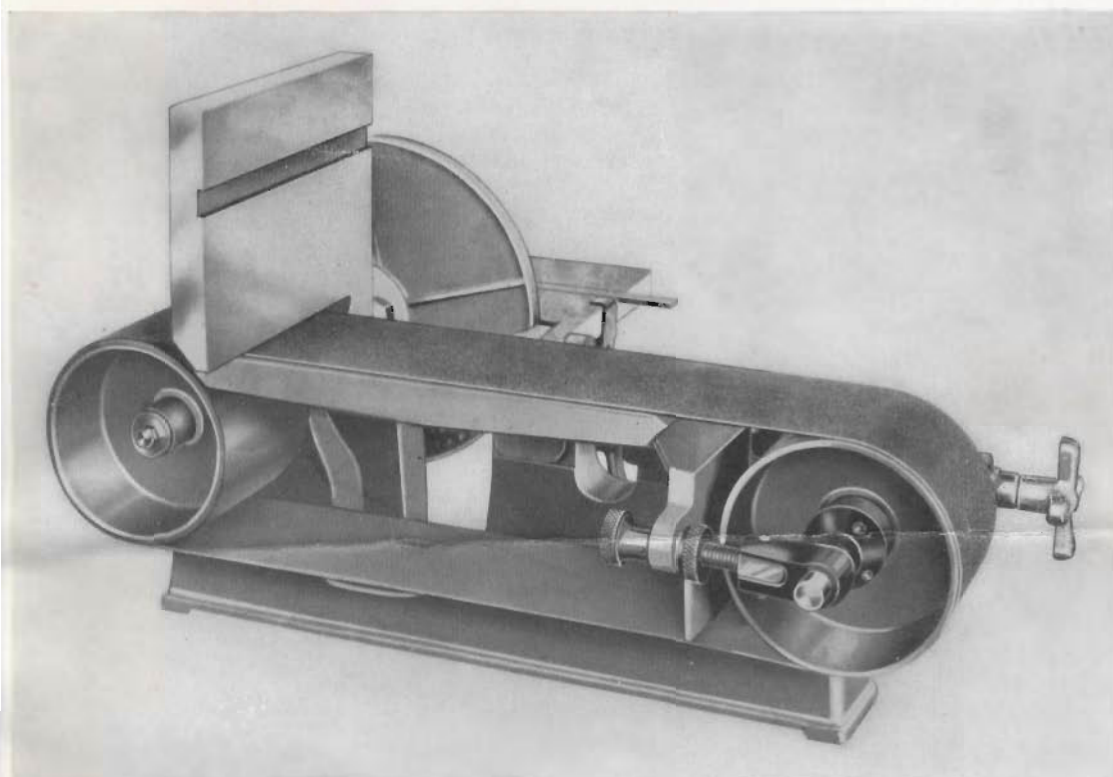
ABRASIVE BELTS AND DISCS

FABRIC BACKED BELTS



ALUMINUM OXIDE

- SM36B Belt, 36 grit, 4" wide x 52½" long.....
- SM60B Belt, 60 grit, 4" wide x 52½" long.....
- SM60B 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.....



SM700
with #24 Steel Stand

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.

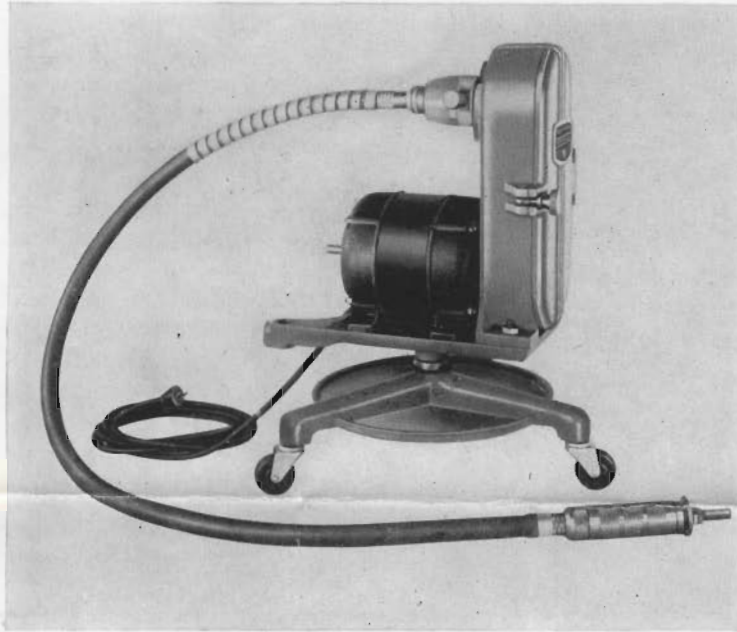
Stroke sanding is shown in the photo below. Large pieces of work may be sanded or polished in this manner. The adjustable steel shell on the #24 Bench is used in this operation, work up to 14" high can be handled.

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.



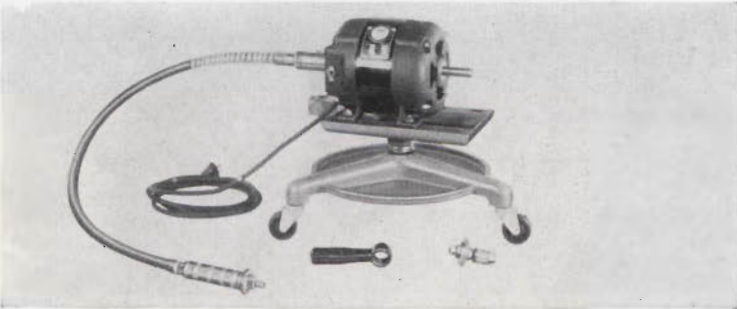
•• WALKER-TURNER FLEXIBLE SHAFT MACHINES ••

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



Model No. 258, Multi-Speed Flexible Shaft Machine. Model No. 256 is identical with the exception of the flexible shaft equipment.

The machine illustrated below is Model No. 253 Direct Drive Flexible Shaft Machine equipped with heavy duty core, casing and handpiece.



MODELS NO. 256 AND 257

These two models are designed for light and medium duty applications in industrial plants and work-shops.

Casings used on these machines and the SF396X Shaft Assembly are made of preformed steel wire shaped to prevent grease leakage. The inner layer of wire is oil tempered carbon steel which provides an almost wear proof bearing surface for the core. Cores are $\frac{5}{16}$ " in diameter and are wound from high carbon steel wire. The handpiece is ball bearing of the cup and cone type intended for continuous service.

MODEL LISTING

- 256 Multi-speed Flexible Shaft Machine, with $\frac{5}{16}$ " diameter core and ball bearing handpiece, less motor**
- 257 Direct Drive Flexible Shaft Machine, shown at right with $\frac{5}{16}$ " diameter core, ball bearing handpiece, less motor**
- KAB3E $\frac{1}{2}$ hp., 1740 rpm., 115-230 volt, 60 cycle motor**

The Flexible Shaft Machines shown on this page are designed for commercial, light industrial and work-shop use.

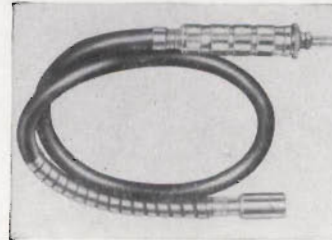
Models No. 253 and 258 are identical with the exception of the drive, the latter being a belt driven, multi-speed model while the No. 253 is a single speed, direct drive model. Both models are adapted for repair, service and maintenance shops for all types of grinding, sanding, buffing, drilling and similar operations.

A heavy cast iron housing carries the jack-shaft bearing assembly and encloses the belt and pulleys. The motor, motor base and pulley housing swivels on a tripod base. Jack-shaft and handpiece spindles are mounted on dust sealed ball bearings.

Cores are built up of transversely wound layers of high carbon steel wire and are designed for maximum strength and flexibility.

MODEL LISTING

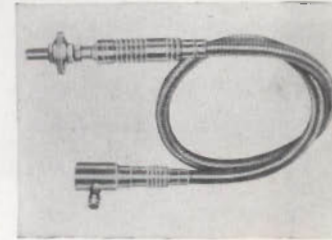
- 258 Multi-speed Flexible Shaft Machine, shown at left with $\frac{3}{8}$ " diameter core, heavy duty ball bearing handpiece and rubber covered casing, less motor**
- 253 Direct Drive Flexible Shaft Machine, shown at left center same as 258 but less Jack-shaft Assembly, less motor**
- KEB5X $\frac{1}{2}$ hp., 3450 rpm., 115-230 volt, 60 cycle motor**



251 SHAFT ASSEMBLY

This assembly is made up of a $\frac{3}{8}$ " diameter core, a rubber covered steel casing, ball bearing motor coupling and handpiece. This assembly is the same as used on Model Nos. 253 and 256. The motor coupling will fit any $\frac{1}{2}$ " motor shaft.

251 Shaft Assembly, consists of: SF 506 Handpiece, SF552 Core, SF551 Casing and SF57 Motor Coupling



SF396X SHAFT ASSEMBLY

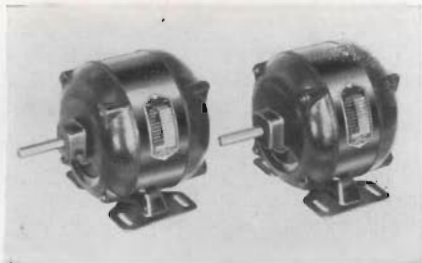
This assembly is made up of a $\frac{3}{8}$ " diameter core, a steel wire casing and cone type ball bearing handpiece and motor coupling. It is the same type as used on Model Nos. 256 and 257. The motor coupling will fit any $\frac{1}{2}$ " motor shaft.

SF396X Shaft Assembly, consists of: SF395X Handpiece, SF401X $50\frac{1}{2}$ " Case, SF401XX $50\frac{1}{2}$ " Core, SF402X Motor Coupling, DP939 $\frac{1}{4}$ " Drill Chuck, F5405 Adapter, SF403 Grip for Shaft



WALKER-TURNER MOTORS AND GRINDERS ••

W-T SPECIAL SERVICE MOTORS



CAPACITOR MODELS BALL BEARINGS

- K4B ¼ hp., 115 volt, 60 cycle, 1725 rpm. motor....
- K3B ½ hp., 115 volt, 60 cycle, 1725 rpm. motor....
- K5B ½ hp., 115 volt, 60 cycle, 1725 rpm. motor....

SLEEVE BEARINGS

- K4P ¼ hp., 115 volt, 60 cycle, 1725 rpm. motor....
- K3P ½ hp., 115 volt, 60 cycle, 1725 rpm. motor....
- K5P ½ hp., 115 volt, 60 cycle, 1725 rpm. motor....

SPLIT PHASE BALL BEARING

- 54B ¼ hp., 115 volt, 60 cycle, 1725 rpm. motor....
- 53B ½ hp., 115 volt, 60 cycle, 1725 rpm. motor....

SLEEVE BEARINGS

- 54P ¼ hp., 115 volt, 60 cycle, 1725 rpm. motor....
- 53P ½ hp., 115 volt, 60 cycle, 1725 rpm. motor....

(Available in 60 cycle only, odd voltage 1.50 extra, not available in dual voltage.) Extension cords, plugs and switches are not included.



operated in the horizontal position only. Provision for lubrication is made on the sleeve bearing types while the ball bearing types are lubricated at the factory and sealed for life.

While these motors compare favorably in every respect with competitive motors of similar ratings they do not have the continuous overload capacity of our standard Driver Line Motors which carry a power factor of 1.25.

Walker-Turner Special Service, continuous duty motors have high starting and running torque and are suitable for a wide variety of applications. These motors are ruggedly constructed, meet the NEMA mounting standards and they are equipped with a heavy steel base.

The ball bearing motors can be operated in any position from horizontal to vertical, while the sleeve bearing motors can be

W-T DRIVER MOTORS



CAPACITOR START MOTORS

These motors are one of the finest of this type available, they have more than 300% full load starting torque and will continue to perform under extremely hard use. They are particularly adapted for use on circular saws, jointers, the larger hand saws and wherever heavy starting loads or intermittent loading is encountered.

Made for operation on 115/230 volts at 60 cycles and the direction of rotation may be changed in the terminal box. Other voltages and cycles are obtainable on special order. Horse power sizes from ½ to 1 hp. Single shaft extensions are 1 ½" long and ½" diameter, a ¼" square key is supplied with the motor. All motors are equipped with ball bearings.

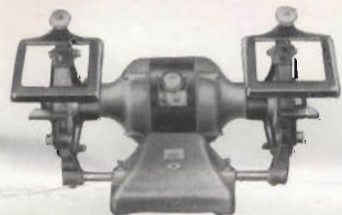
THREE PHASE MOTORS

Motors of this group should be used where three phase current is available because of their high efficiency, high torque and quiet operation. They will handle all hard starting loads, regain speed quickly after loading and are exceptionally cool running. Standard motors are 220/440 volt, 60 cycle. Two phase, odd voltage and frequency are available on special order. Horse power sizes from ½ to 1 hp. Single shaft extensions are 1 ½" long and ½" in diameter, a ¼" square key is supplied with each motor. All three phase motors are equipped with ball bearings. Extension cords, plugs and switches are not supplied with motors.

- ### CAPACITOR MOTORS
- KAB3E ¼ hp., 115-230 volt, 60 cycle, 1740 rpm. motor
 - KEB5E ½ hp., 115-230 volt, 60 cycle, 3450 rpm. motor
 - KAB5E ½ hp., 115-230 volt, 60 cycle, 1740 rpm. motor
 - KAB10E 1 hp., 115-230 volt, 60 cycle, 1740 rpm. motor
 - KEB10E 1 hp., 115-230 volt, 60 cycle, 1740 rpm. motor including circuit breaker switch.....

- ### THREE PHASE MOTORS
- PAB3E ¼ hp., 220-440 volt, 60 cycle, three phase, 1740 rpm. motor.....
 - PAB5E ½ hp., 220-440 volt, 60 cycle, three phase, 1740 rpm. motor.....
 - PEB5E ½ hp., 220-440 volt, 60 cycle, three phase, 3450 rpm. motor.....
 - POB5E ½ hp., 220-440 volt, 60 cycle, three phase, 1140 rpm. motor.....
 - PAB10E 1 hp., 220-440 volt, 60 cycle, three phase, 1740 rpm. motor.....
 - PEB10E 1 hp., 220-440 volt, 60 cycle, three phase, 3450 rpm. motor, including circuit breaker switch.....
 - POB10E 1 hp., 220-440 volt, 60 cycle, three phase, 1140 rpm. motor.....
 - PEB15E 1 ½ hp., 220-440 volt, 60 cycle, three phase, 3450 rpm. motor.....

MOTOR GRINDERS



GR35E ¼ hp. Grinder, 115 volts, 60 cycle, A.C. Includes two 6" wheels, Eye Shields, cord, plug and switch.....

GR50E ½ hp. Grinder, 115 volts, 60 cycle, A.C. Includes two 7" wheels, Eye Shields, cord, plug and switch.....

CG50E Combination Grinder and Disc Sander, ½ hp., 60 cycle, A.C. Includes one grinding wheel, sanding disc and adjustable table, one eye shield, cord, plug and switch.....

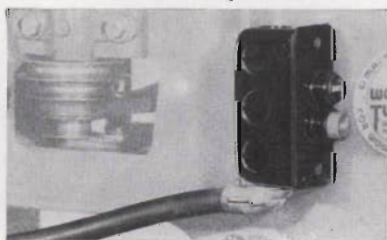
GMP 5 Pedestal Stand for above models.....

GR 100 1 hp. Grinder, 220 volt, three phase, 1740 rpm. Includes two 10" wheels, and motor switch.....

GR 100A Shatter-proof eye shields with built in light. (Pair).....

GR 101 Cast Iron Base for GR 100.....

HD151A Heavy-duty push button switch. For 1 or 3 phase use....



W-T GEARED MOTORS

GEARED MOTORS—LISTING

G1E5 ½ hp., 115-230 volts, 60 cycle, single phase, spindle speed, 716 rpm.....

G1B7 ¾ hp., 230 volts, 60 cycle, three phase, spindle speed, 716 rpm.....

GB 12 1 hp., 115-230 volts, 60 cycle, single phase, spindle speed, 3450 rpm.....

GB 15 1 ½ hp., 230 volts, 60 cycle, three phase, spindle speed 3450 rpm.....

GB20 2 hp., 230 volts, 60 cycle, single phase, spindle speed, 3000 rpm.....

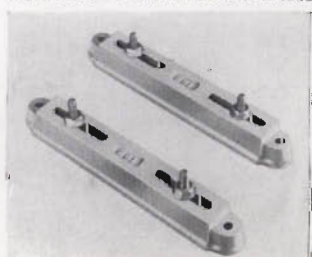
GB 30 3 hp., 230 volts, 60 cycle, three phase, spindle speed, 3000 rpm.....

Ask for the complete Walker-Turner Motor Catalog for full details on the entire line of W-T Motors, Geared Motors and Grinders.

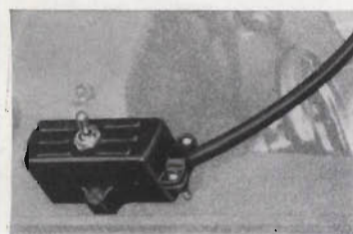


Walker-Turner Geared Motors designed for special purpose application, particularly circular saws have proven to be highly efficient on installations of this type, transmitting 97-98% of motor torque at the saw spindle. These motors develop 225% of full load torque for short periods and will run continuously at full load without exceeding 40° C. temperature rise. Precision manufacturing and heavy-duty pre-loaded ball bearings insure smooth running and long motor life. The 2 and 3 hp motors have double row bearings on the front end of the spindles.

MB-1 Motor Rails and bolts.....



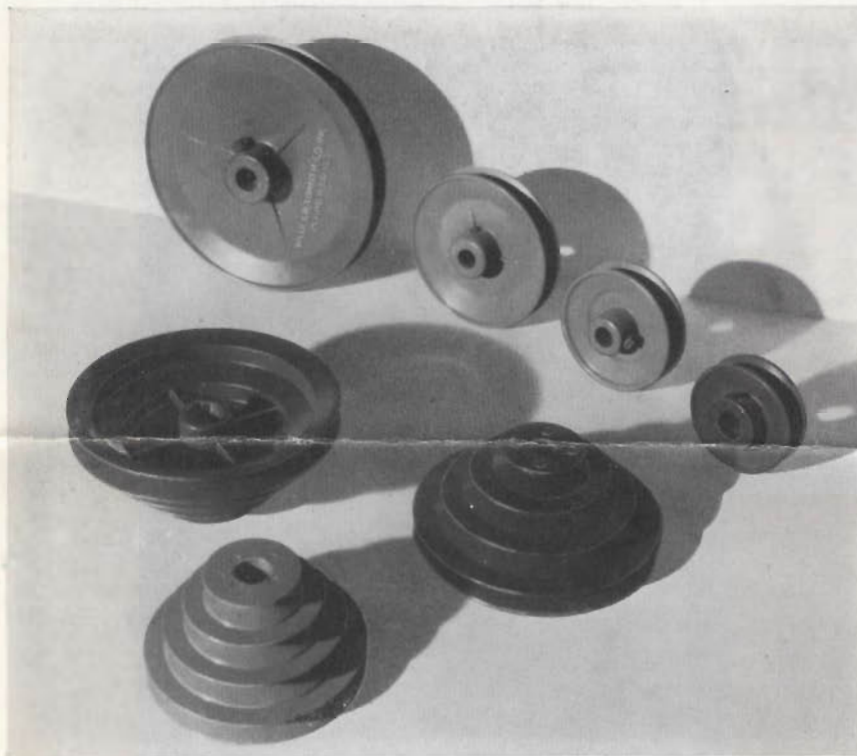
No. 14 10 ft. Extension cord and plug.....



T5 5 On-Off Switch, housing and cord. For single phase only.....

••• WALKER-TURNER 'V' BELTS AND PULLEYS •••

'V' PULLEYS 1/2" - 5/8" - 3/4" BORE



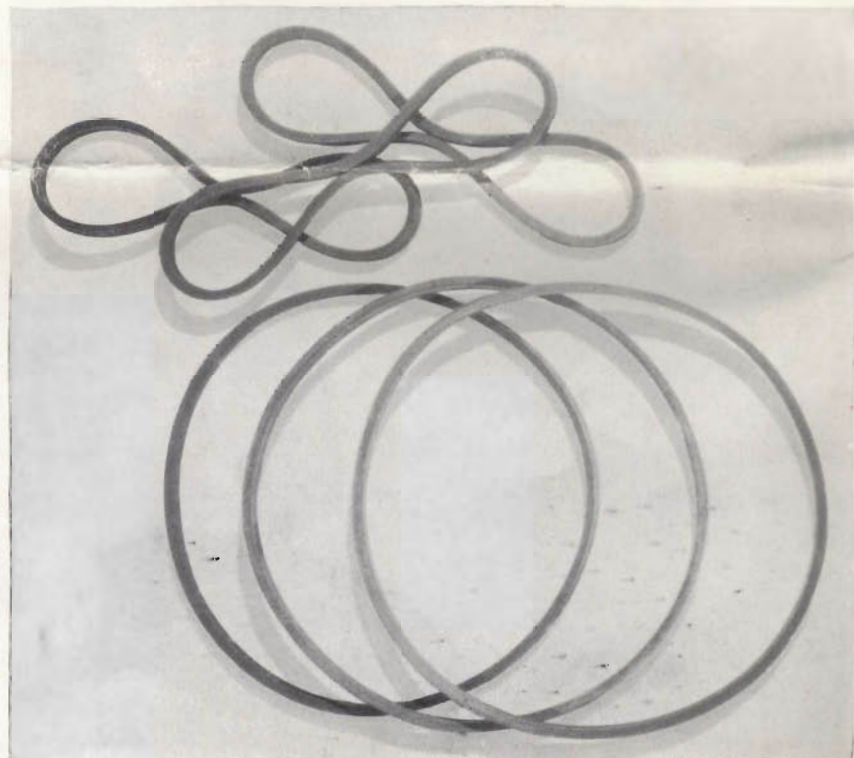
Cat. No.	Grooves	Diameter in Inches	Price
1/2" BORE			
PV250	1	2 1/2	
PV450	1	4	
PV65	1	6 1/2	
PV30	3	3 1/4, 2 1/2, 1 1/4	
PV41	4	3 1/4, 2 3/4, 2 1/4, 1 3/4	
PV43	4	4 3/4, 4 1/4, 3 3/4, 3 1/4	
PV550	4	5, 3 7/8, 2 13/16, 1 3/4	
PV500	4	5 1/2, 4 3/8, 3 3/16, 2 1/4	
5/8" BORE			
PV258	1	2 1/2	
PV365	1	3	
PV458	1	4	
PV658	1	6 1/2	
PV35	3	3 1/4, 2 1/2, 1 1/4	
PV45	4	3 1/4, 2 3/4, 2 1/4, 1 3/4	
PV48	4	4 3/4, 4 1/4, 3 3/4, 3 1/4	
PV58	4	5, 3 7/8, 2 13/16, 1 3/4	
PV62	4	5 1/2, 4 3/8, 3 3/16, 2 1/4	
3/4" BORE			
BN18	1	6 1/2	
PV49	4	4 3/4, 4 1/4, 3 3/4, 3 1/4	
PV575	4	5, 3 7/8, 2 13/16, 1 3/4	

'V' BELTS

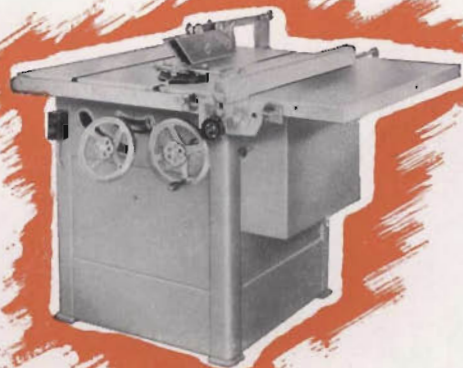
For fractional horse-power drives, involving light duty, small sheave single belt applications, Walker-Turner offers a strong, pliable belt of single strand design. In this belt the stretch is controlled by 'normalizing' each cord before it is built in.

This removes stretch by working it out rather than by pulling it out. As these cords do the load carrying, stretch is held to a minimum.

Cat. No.	Inside Circumference	Price
VB24	24	
VB25	25	
VB26	26	
VB28	28	
VB29	29	
VB32	32	
VB36	36	
VB42	42	
VB44	44	
VB48	48	
VB54	54	
VB58	58	
VB16	Set of three 3/8" section belts, 14" I.C.	



•• OTHER WALKER-TURNER PRODUCTS •••



A COMPLETE LINE

In addition to the machines described in this catalog, the Walker-Turner Division also manufactures a complete line of heavier metal and wood working machinery and accessories.

The complete line is illustrated on this page, a catalog describing them in detail is available from your Walker-Turner Dealer or it may be obtained by writing direct to the factory. Ask for a copy of catalog 'A'.



- 10" Tilting Arbor Saws
- 12" Tilting Arbor Saws
- 14" Band Saws for Wood or Metal
- 16" Band Saws for Wood or Metal
- 20" Drill Presses—Bench and Floor Models
- Radial Drill Presses
- Radial Saws—1½ to 5 hp.
- Vertical Spindle Shapers
- Variable Speed Wood Turning Lathes
- 6" Jointers

