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
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 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 backbone of the machine supports the two cast iron wheel housings that in turn carry the wheel bearings and the other elements of the saw such as 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 % for %.
- **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 % x % 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:** % hp, 1740 rpm, Walker-Turner Capacitator type or three phase.
- **DIMENSIONS:** Height, machine only 42", machine on stand 67". Width 17", Length 34", 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 % saw blade, less motor, motor pulley, and belt.
- BW142X Motor Bracket. For mounting motor at rear of machine as shown in photo at left.
- VBl4 44" Y Belt.
- BW144X Belt Guard.
- KB38X 1/2 hp, single phase, 115/230 volt, 60 cycle motor.
- TS5 On and off switch for single phase only.
- PB38 1/2 hp three phase, 220/440 volt, 60 cycle motor.
- MJ110X Stand, cast iron legs, wood shelf and top as shown at right.
- MB1 Motor Rails.
- V8 46 Y Belt.
- PY 258 Motor Pulley
- BW148X Rip Fence and Carriage Bar, illustrated above.
- BW144X Belt Guard.
- BW740 Band Saw shown mounted on MJ110 X Stand, necessary belt, pulley and motor rails are listed above.

**BLADES**

Three standard width blades are available for the 12" Band Saw. A % wide blade is supplied with the saw as standard equipment.

- 7BW25 % wide blade, 85" long.
- 7BW38 % wide blade, 85" long.
- 7BW50 % wide blade, 85" long.

Photo shows method of attaching BW143X Motor Bracket to band saw. See listing above for price.

Photo at far left shows improved saw guide with guide blocks adjustable for various blade widths. Angled guide blocks 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.
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 Six-Speed Attachment fifteen speeds ranging from 105 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:** 4½".
- **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—30½" chuck to table, 46½" chuck to base. All models 21½" center of chuck to column. Drills to center of 15" circle.
- **Chuck:** 9A Jacobs key type capacity 0 to 1½".
- **Table:** 10" x 12½" machined working area on Bench Models. 14½" x 18" machined working area on Floor Models.
- **Spindle:** Six spline full floating type, 5/8" diameter, male 9A Jacobs taper for No. 9A Jacobs Chuck, or 11 Morse taper socket (optional).
- **Pulley:** Cylindrical mounted on two ball bearings for extra rigidity.
- **Column:** Ground stainless steel tubing, 2½" in diameter.
- **Feed Control:** Four bar type, ball ends.
- **Shipping Weights:** Bench Models—110 lbs. Floor Models—175 lbs.
- **Recommended Motors:** D950 Bench Model Drill Press, includes belt and motor pulley, less belt guard and motor.
- **Model Listing**
  - D950 Bench Model Drill Press, includes belt and motor pulley.
  - 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.
  - 9D51 Ground Steel Column 2⅝ 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 sets-ups 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.
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.

**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.  
9095 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.  
9090 Hold-down and Guide

Hollow Chisels and Bits. These tools are made for heavy production work:  
HC5 3/4" Hollow Chisel  
HC6 3/4" Hollow Chisel  
HC8 3/4" Hollow Chisel  
HC25A 3/4" Bit  
HC38A 3/4" Bit  
HC50A 3/4" 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 3/8" diameter holes.  
905 Threaded Adapter

Provides additional speed range for 900 Series Drill Presses, ten speeds from 105 to 6750 R.P.M.

90113 Slow Speed Attachment complete

This adapter is attached to the drill press spindle in place of the Jacobs Chuck. It can be used to hold any accessories having 3/8" diameter holes.

9045N Production Table only

9066 Table Raising Mechanism only

9053 Belt Guard, including studs for attaching.

**SPECIFICATIONS (Production Models)**

**FOUR SPEEDS:** 600, 1200, 2400 and 3000 R.P.M. with a 1740 R.P.M. motor.  
**CAPACITY:** 1/4" chuck to table, 7/16" 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 Jacobs taper to fit 6A Jacobs chuck, or 1/2 Morse taper socket (optional).  
**SPINDLE TRAVEL:** 4 1/2" 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 slipping and possible deformation of head casting.  
**COLUMN:** Seamless drawn steel tubing, precision ground, 2 1/2" 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 14 1/2" x 16", multiple spindle models 17 1/2" wide, two spindle 23" long, four spindle 40" and six spindle 57 1/2".
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 lower 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 in all thicknesses of work. Bronze guide supports the back of the blade.

THROAT CAPACITY: Twenty-four inches. Arms 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 1/2" wide. Wider blades require the use of SJ236A Vises. Capacity, upper vise to table is 24" when using a 6" blade.

DIMENSIONS: Overall height on stand 30½", without bench, 25 1/2/". Length, 33".

WEIGHT: Shipping weight, 192 lbs., without bench or motor, 132 lbs.


MODEL LISTING

J915 24", Four Speed Jig Saw, including motor pulley and belt, fast belt guard, lamp, switch and motor.

7J125 Self Guard.

JL3 Lamp, complete.

JS1 Bench for J915 Jig Saw, cast iron legs with wood top and shelf.

SJ236A Heavy duty vise for sabre blade.

EI0X 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.

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, 12½" x 10" tilts to 45° in either direction.

6" FRET AND JIG SAW BLADES

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Thickness</th>
<th>Width</th>
<th>Teeth per inch</th>
<th>Used For Cutting</th>
</tr>
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<tbody>
<tr>
<td>14B</td>
<td>.018</td>
<td>.035</td>
<td>21</td>
<td>Wood, veneer, plywood</td>
</tr>
<tr>
<td>21B</td>
<td>.017</td>
<td>.035</td>
<td>21</td>
<td>Metal, hard substances &amp; wood</td>
</tr>
<tr>
<td>32B</td>
<td>.010</td>
<td>.045</td>
<td>18</td>
<td>Wood, veneer, plywood</td>
</tr>
<tr>
<td>41B</td>
<td>.016</td>
<td>.054</td>
<td>20</td>
<td>Metal, hard substances</td>
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<td>49B</td>
<td>.022</td>
<td>.070</td>
<td>32</td>
<td>Metal only up to 1/2&quot; thick</td>
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<tr>
<td>6B</td>
<td>.020</td>
<td>.072</td>
<td>15</td>
<td>Metal over 1/2&quot;, and wood</td>
</tr>
<tr>
<td>8B</td>
<td>.020</td>
<td>.110</td>
<td>10</td>
<td>General purpose, wood, metal</td>
</tr>
<tr>
<td>9B</td>
<td>.020</td>
<td>.110</td>
<td>15</td>
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<td>10B</td>
<td>.028</td>
<td>.187</td>
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<tr>
<td>11B</td>
<td>.042</td>
<td>.5/16&quot;</td>
<td>9</td>
<td>Thick stock, wood</td>
</tr>
<tr>
<td>12B</td>
<td>.040</td>
<td>.3/16&quot;</td>
<td>9</td>
<td>Molded brake lining</td>
</tr>
<tr>
<td>13B</td>
<td>.040</td>
<td>.3/16&quot;</td>
<td>9</td>
<td>Sabre blade, for wood</td>
</tr>
<tr>
<td>14B</td>
<td>.040</td>
<td>.5/16&quot;</td>
<td>9</td>
<td>Sabre blade, for wood</td>
</tr>
<tr>
<td>SBB</td>
<td>Assorted</td>
<td></td>
<td></td>
<td>Package of 12</td>
</tr>
</tbody>
</table>
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 equipped 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—1/2 hp, motor, single phase, 110/220 volt, 60 cycle, 1740 rpm, capacitor start.

PAB5E—1/2 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 53 1/2", Depth 20".

SHIPPING WEIGHT: 105 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: 3/4", 1/2" and 3/4" gauges, 1/2" regular nose, 3/4" parting, 1/2" and 3/4" skew chisel and 1/2" spear point.

L6A—Set of 8 Chisels

9L54—Right Angle Tool Rest

3" Face Plate With Spars

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.

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 M90 Live Center.

9L29—Threaded Arbor, included flanged washers and nut.

ACCESSORIES FOR L951 LATHE

Chuck Arbor

This arbor is used to hold the No. 6A Jacobs' Chuck on the spindle nose. Should be used with M90 Live Center.

9L28—Arbor for Jacobs' Chuck

Ball Bearing Tailstock 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.

9L36—Cup Center

8A— Jacobs' Chuck 1/2" capacity with key.

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 53 1/2", Depth 20".

SHIPPING WEIGHT: 105 lbs.
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.

SPECIFICATIONS

SAW TABLE: 15 3/4" by 20 1/4" deep. Two miter 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, 3/4" bore.

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

SHIPPING WEIGHT: 85 lbs.
**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.**

**KEBESE ½ hp., 110/220 volt, 60 cycle, single phase, 3450 rpm. capacitor start motor.**

**TS5 On-off Toggle Switch for single phase only.**

**No. 14 Cord and Plug for single phase only.**

**PEBSE 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 dovetail ways with adjustable gib 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 37 ½” 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 ¾” 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, 2 ½” 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, 33 ½” long, moves across full width of table for rabbeting. Tilts to 45°, has index plunger.

**OVERALL DIMENSIONS:** Height, floor to table 34 ½”, Length 42 ½”.

**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, driven 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 10°.

Rear knife guard keeps the knives covered at all times, regardless of the position of the fence.

**1J922X Rear Knife Guard.**
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 52 1/2" long and 4" wide.

OPERATING SPEEDS: 660, 1280, and 2550 rpm for disc, belts 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 4 1/2" wide.

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

CAPACITY: Belt is 4" wide, distance between pulley centers 18".

DIMENSIONS: Length, 20 1/2" height, overall 16".

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

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.

ABRASIVE BELTS AND DISCS

FABRIC BACKED BELTS

ALUMINUM OXIDE

SM36B Belt, 36 grit, 4" wide x 52 1/2" long
SM60B Belt, 60 grit, 4" wide x 52 1/2" long
SM120B Belt, 120 grit, 4" wide x 52 1/2" long
SM40 Disc, 40 grit, 10" diameter
SM60 Disc, 60 grit, 10" diameter
SM80 Disc, 80 grit, 10" diameter
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 revolves 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**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>258</td>
<td>Multi-speed Flexible Shaft Machine, shown at left with ( \frac{3}{8} )&quot; diameter core, heavy duty ball bearing handpiece and rubber covered casing, less motor.</td>
</tr>
<tr>
<td>253</td>
<td>Direct Drive Flexible Shaft Machine, shown at left center same as 258 but less Jack-shaft Assembly, less motor.</td>
</tr>
<tr>
<td>KEB5X</td>
<td>1/2 hp., 3450 rpm., 115-230 volt, 60 cycle motor.</td>
</tr>
<tr>
<td>251</td>
<td>Shaft Assembly, consists of SF506 Handpiece, SF551 Core, SF553 Casing and SF57 Motor Coupling.</td>
</tr>
<tr>
<td>SF396X</td>
<td>Shaft Assembly, consists of SF395X Handpiece, SF401X 50/5%, Core, SF401XX 50/5% Core, SF402X Motor Coupling, DP939 5/8&quot; Drill Chuck, FS403 Adapter, SF403 Grip for Shaft.</td>
</tr>
</tbody>
</table>
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 are equipped with a heavy steel housing. The ball bearing motors can be operated in any position from horizontal to vertical, while the sleeve bearing motors can be 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 Direct Line Motors which carry a power factor of 1.25.

**W-T SPECIAL SERVICE MOTORS**

**CAPACITOR MODELS**

- **BALL BEARINGS**
  - K48 ½ hp., 115 volt, 60 cycle, 1725 rpm. motor
  - K38 ½ hp., 115 volt, 60 cycle, 1725 rpm. motor
  - K58 ½ hp., 115 volt, 60 cycle, 1725 rpm. motor

- **SLEEVE BEARINGS**
  - K4P ½ 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**
  - S48 ½ hp., 115 volt, 60 cycle, 1725 rpm. motor
  - S38 ½ hp., 115 volt, 60 cycle, 1725 rpm. motor
  - S58 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.

**W-T DRIVER MOTORS**

**CAPACITOR MOTORS**

- KAB33 ½ hp., 115-230 volt, 60 cycle, 1740 rpm. motor
- KAB35 ½ hp., 115-230 volt, 60 cycle, 1720 rpm. motor
- KAB55 ½ hp., 115-230 volt, 60 cycle, 1720 rpm. motor
- KAB301 1 hp., 115-230 volt, 60 cycle, 1740 rpm. motor
- KEB302F 1 hp., 115-230 volt, 60 cycle, 1740 rpm. motor including circuit breaker switch.

**THREE PHASE MOTORS**

- PB38 ½ hp., 220-440 volt, 60 cycle, three phase, 1740 rpm. motor
- PB58 ½ hp., 220-440 volt, 60 cycle, three phase, 1740 rpm. motor
- PB58 ½ hp., 220-440 volt, 60 cycle, three phase, 1740 rpm. motor
- PBO51 ½ hp., 220-440 volt, 60 cycle, three phase, 1740 rpm. motor
- PB010 1 hp., 220-440 volt, 60 cycle, three phase, 1740 rpm. motor
- PB010 1 hp., 220-440 volt, 60 cycle, three phase, 1740 rpm. motor
- PB155 1½ hp., 220-440 volt, 60 cycle, three phase, 3450 rpm. motor

**GEARED MOTORS—LISTING**

- G185 ½ hp., 115-230 volts, 60 cycle, single phase, spindle speed, 716 rpm.
- G187 ½ hp., 230 volts, 60 cycle, single phase, spindle speed, 716 rpm.
- GB12 1½ hp., 115-230 volts, 60 cycle, single phase, spindle speed, 3450 rpm.
- GB15 1½ hp., 230 volts, 60 cycle, three phase, spindle speed, 3450 rpm.
- GB20 2 hp., 230 volts, 60 cycle, single phase, spindle speed, 3000 rpm.
- GB30 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.

**W-T GEARED MOTORS**

Walker-Turner Geared Motors designed for special purpose applications, 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 assure smooth running and long motor life. These motors are equipped with ball bearings.

**M3-T Motor Rails and bolts**
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.

### 'V' BELTS

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Inside Circumference</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB24</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>VB25</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>VB26</td>
<td>26</td>
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<tr>
<td>VB28</td>
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<td>VB32</td>
<td>32</td>
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<td>VB36</td>
<td>36</td>
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<td>VB42</td>
<td>42</td>
<td></td>
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<tr>
<td>VB44</td>
<td>44</td>
<td></td>
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<tr>
<td>VB48</td>
<td>48</td>
<td></td>
</tr>
<tr>
<td>VB54</td>
<td>54</td>
<td></td>
</tr>
<tr>
<td>VB58</td>
<td>58</td>
<td></td>
</tr>
<tr>
<td>VB16</td>
<td>Set of three 3/8&quot; section belts, 14&quot; I.C.</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Grooves</th>
<th>Diameter in Inches</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PV250</td>
<td>1</td>
<td>21/2</td>
<td></td>
</tr>
<tr>
<td>PV450</td>
<td>2</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PV665</td>
<td>3</td>
<td>61/2</td>
<td></td>
</tr>
<tr>
<td>PV30</td>
<td>3</td>
<td>31/4, 21/2, 11/2</td>
<td></td>
</tr>
<tr>
<td>PV41</td>
<td>4</td>
<td>31/4, 21/4, 21/4, 11/4</td>
<td></td>
</tr>
<tr>
<td>PV43</td>
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<tr>
<td>PV550</td>
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</tr>
<tr>
<td>PV500</td>
<td>4</td>
<td>51/4, 41/4, 31/4, 51/4</td>
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</table>

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Grooves</th>
<th>Diameter in Inches</th>
<th>Price</th>
</tr>
</thead>
<tbody>
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<td>PV258</td>
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<td>21/2</td>
<td></td>
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<tr>
<td>PV365</td>
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<td>PV458</td>
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<tr>
<td>PV658</td>
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<tr>
<td>PV35</td>
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<tr>
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<td>PV58</td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Grooves</th>
<th>Diameter in Inches</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>BN18</td>
<td>1</td>
<td>61/2</td>
<td></td>
</tr>
<tr>
<td>PV49</td>
<td>4</td>
<td>41/4, 41/4, 31/4, 31/4</td>
<td></td>
</tr>
<tr>
<td>PV575</td>
<td>4</td>
<td>51/4, 31/4, 21/4, 11/2</td>
<td></td>
</tr>
</tbody>
</table>
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