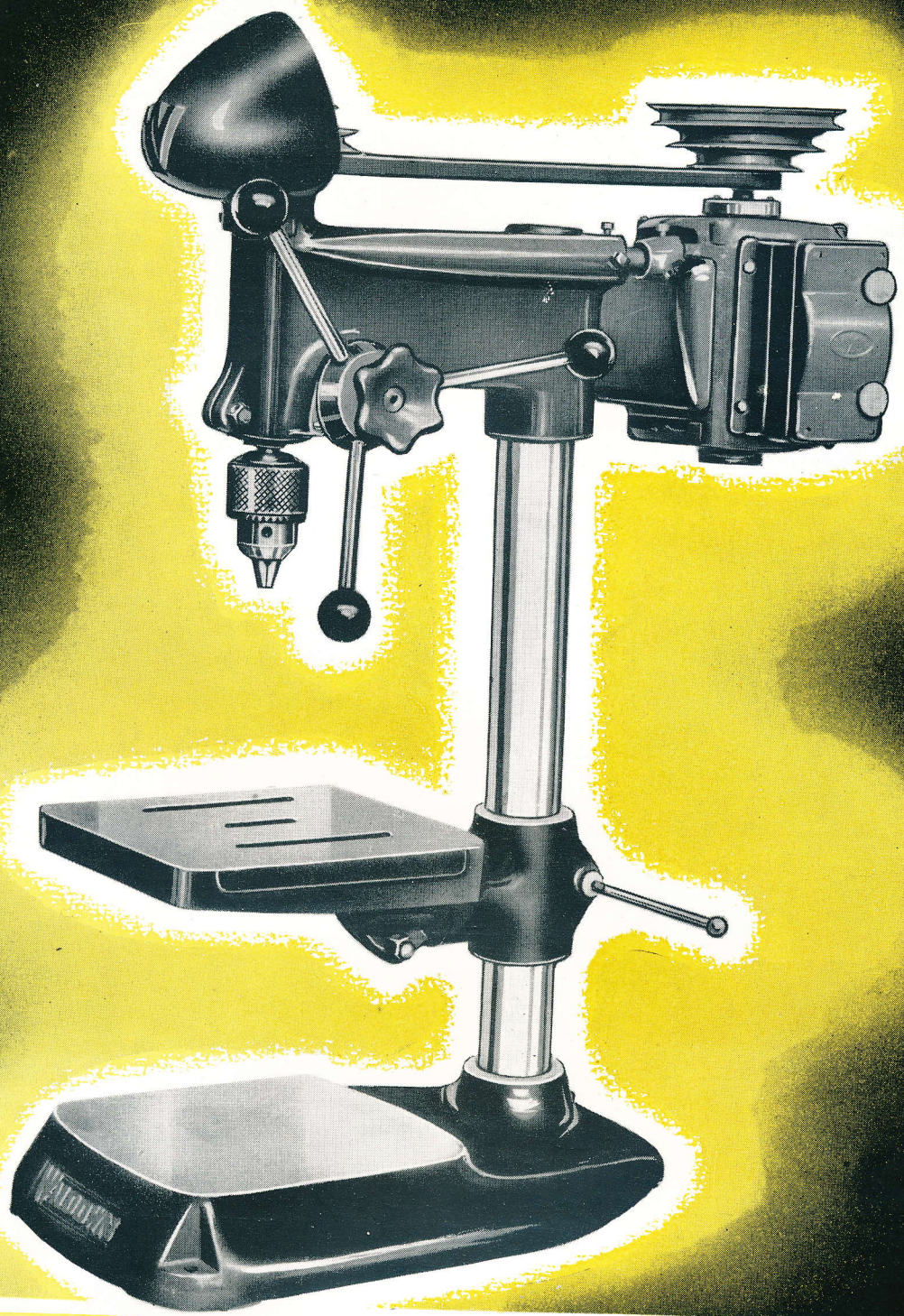


WALDOW
PTY. LTD.

Electric Power Tools



*The New Waldow
Drilling Machine*

ONE HALF INCH CAPACITY

Features

Pulley is held on to the upper sleeve by a woodruff key and locking nut.

Spindle is made of high tensile steel, has six splines and is fully floating.

The upper sleeve which transmits power to the splined spindle has two amply proportioned ball bearings to take the side pull of belt.

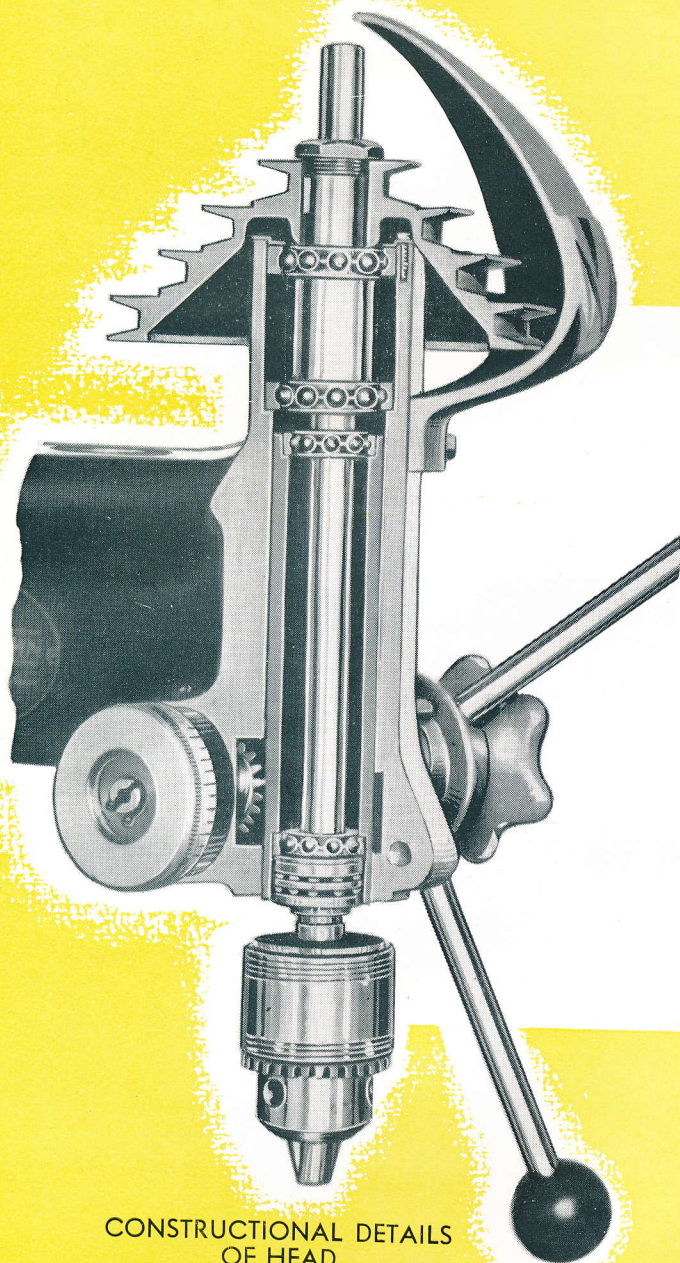
Spindle is carried in the quill on two ball bearings and the load, when drilling, is taken by a heavy duty thrust race.

The entire quill and spindle assembly is held together by a circlip outside the upper bearing.

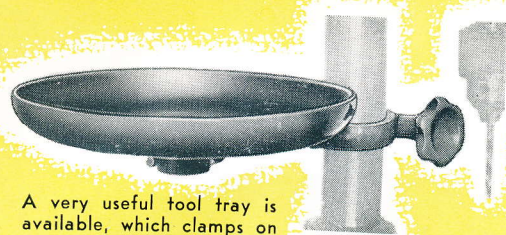
The stroke or travel of the quill is 4". Power from the operator is transmitted by a three-handle capstan lever.

A clearly graduated dial on the left side of the head is friction held on to the pinion spindle. This permits quick and easy setting for ascertaining the depth of hole being drilled.

A quick-acting drill stop is provided on the right side of the head. This is actuated by a star hand wheel in the centre of the capstan.



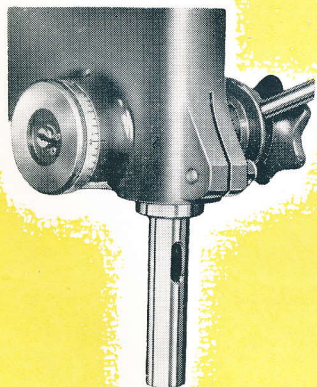
CONSTRUCTIONAL DETAILS OF HEAD



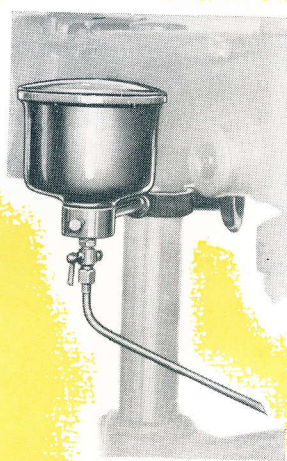
A very useful tool tray is available, which clamps on to the column.



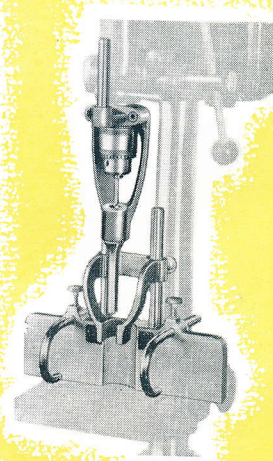
Standard drill is equipped with $\frac{1}{2}$ " capacity key pattern chuck of good quality.



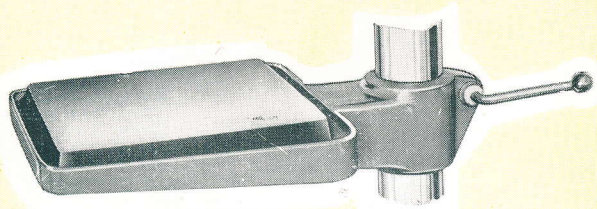
No. 1 or No. 2 Morse taper socket spindles are alternatively available instead of a chuck.



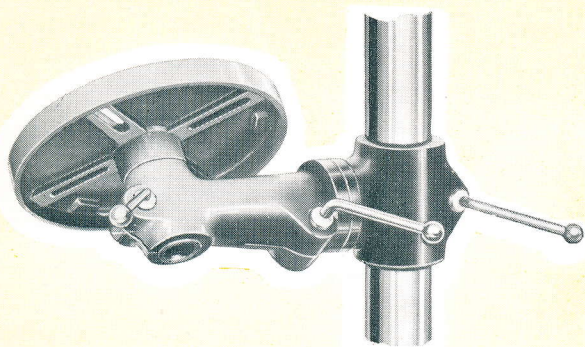
A coolant drip pot can be supplied as an accessory.



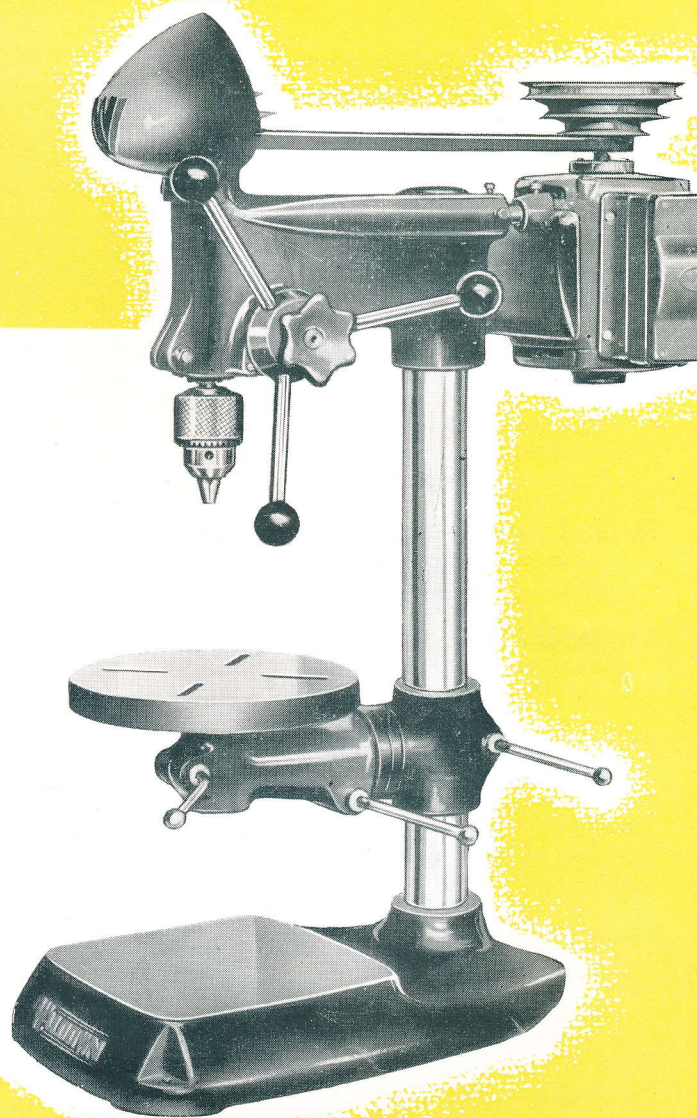
Mortising attachment, fence and holding-down clamp.



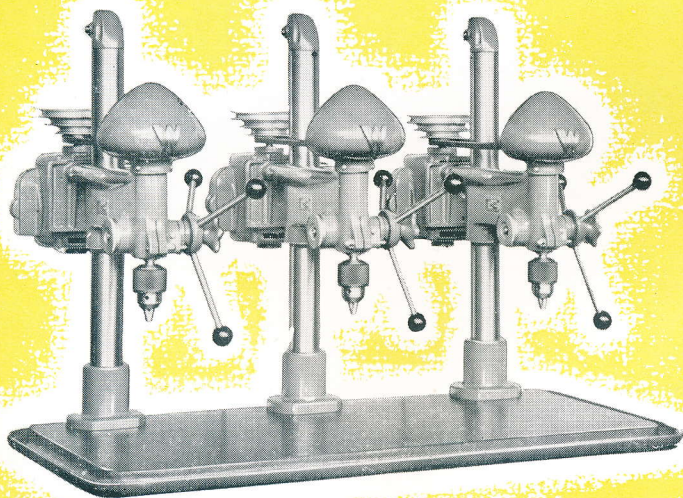
Production drilling table with coolant trough all round. Does not tilt and has plain machined surface.



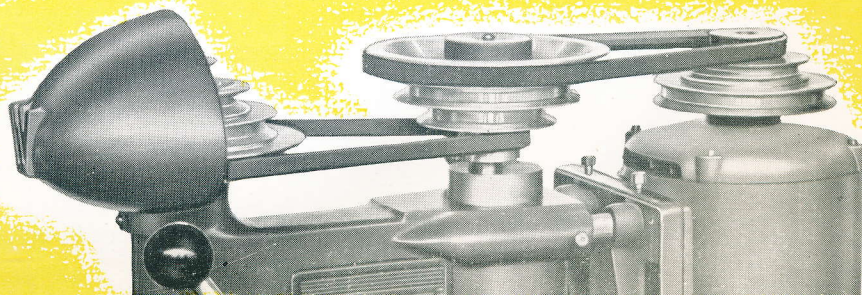
Showing the circular table tilted.



Instead of the square tilting table normally fitted to standard drill a circular revolving and tilting table can alternatively be supplied.



Multiple and counterbalanced drill heads which can be raised or lowered on the column, mounted on a common base.



An intermediate drive assembly is readily fitted to standard drill and increases the drilling speed range to 5,000, 3,000, 2,200, 800, 675, 650, 350, 175 r.p.m.

Specifications

MOTOR: Standard motor is 1/3 h.p. 1,450 r.p.m. 230/240 volts, single phase. Alternatively, a 1/2 h.p. 1,450 r.p.m. 230/240 volts single phase or 1/2 h.p. 415 volts can be supplied at additional cost. All single-phase drill motors have a switch mounted in an iron clad housing as well as 9 ft. of 3-core rubber-covered cab tyre flex, terminating in a 3-pin plug.

Three-phase motors are fitted with a push-button switch mounted on the side. Direct current motors can also be supplied at an additional cost.

Standard drilling speeds through the medium of stepped cone pulleys are 4,000, 2,000, 1,000 and 500 r.p.m.

Belt tensioning is provided by sliding the motor and plate assembly on two parallel rods.

The standard drill is fitted with 9 1/2" x 9 1/2" slotted table which can be raised or lowered on the column, and is capable of being tilted to any angle. It has a machined pad on either side to facilitate jig setting, etc.

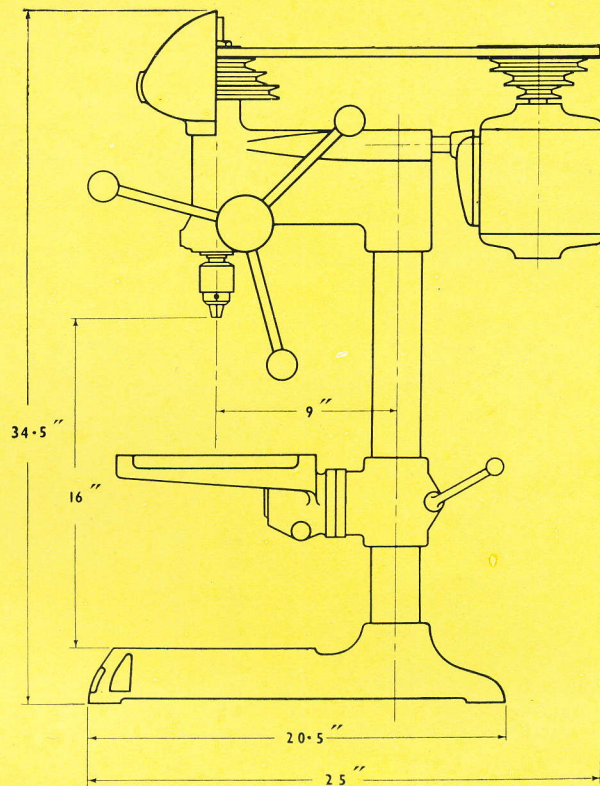
Maximum distance from chuck to table, 10 1/2".

Drill can be supplied, if required, as a floor pillar model at additional cost.

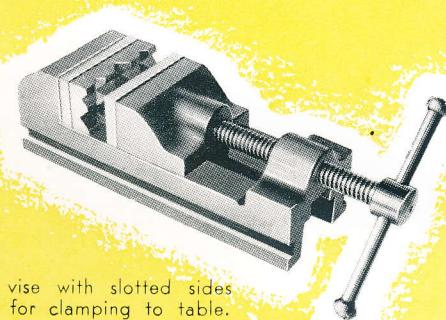
Front of head is slotted to permit clamping the quill or routing, etc.

A torsion spring housed on the inside of the depth dial returns the quill to normal.

Weight of drill complete, 144 lbs. uncrated, 183 lbs. crated.



PHYSICAL DIMENSIONS



Machine vise with slotted sides as shown for clamping to table. Maximum opening of jaws 3 3/8", width 3", depth 1 1/2", overall height 3", length of base 9 1/4", complete with extra jaw. Net weight 10 lbs.

AN ACCURATE, WELL DESIGNED AND DEPENDABLE DRILLING MACHINE. IT IS PRECISION BUILT AND EMBODIES THE DESIGN, WORKMANSHIP AND FINISH THAT CHARACTERIZE ALL WALDOWN PRODUCTS.

MANUFACTURED IN AUSTRALIA

By

WALDOWN
PTY LTD

BLOOMBERG STREET, ABBOTSFORD, VICTORIA

For high production drilling

The Waldown

Type "H" High Speed Super Sensitive Drilling Machine

Is the answer to your small hole drilling problem

High speed vibrationless running combined with finger-tip sensitivity enables holes as small as .0135" (No. 80 Drill) or smaller to be drilled with the maximum accuracy and a minimum of drill breakages.

Shadowless visibility is provided by a light thrown directly on to the work through means of a lamp mounted in the head convenient to the chuck. A low voltage transformer mounted in the base enables the light to be operated conjointly with the starter switch.

The torsion spring which returns the quill is adjustable to permit the amount of "feel" to be varied.

SPEED RANGE: 12,000, 10,750, 6,500, 3,300 r.p.m. Complete range of Pulleys and woven fabric Belt (40½" x ¾") provided.

MOTOR: Special high-speed industrial ½-h.p., 3-phase, 415-volt type, with push-button starter mounted.

CHUCK: 0"-¼" key type fitted.

Entire head can be raised or lowered 4".

Vertical travel of Quill — 2".

Throat clearance — 5".

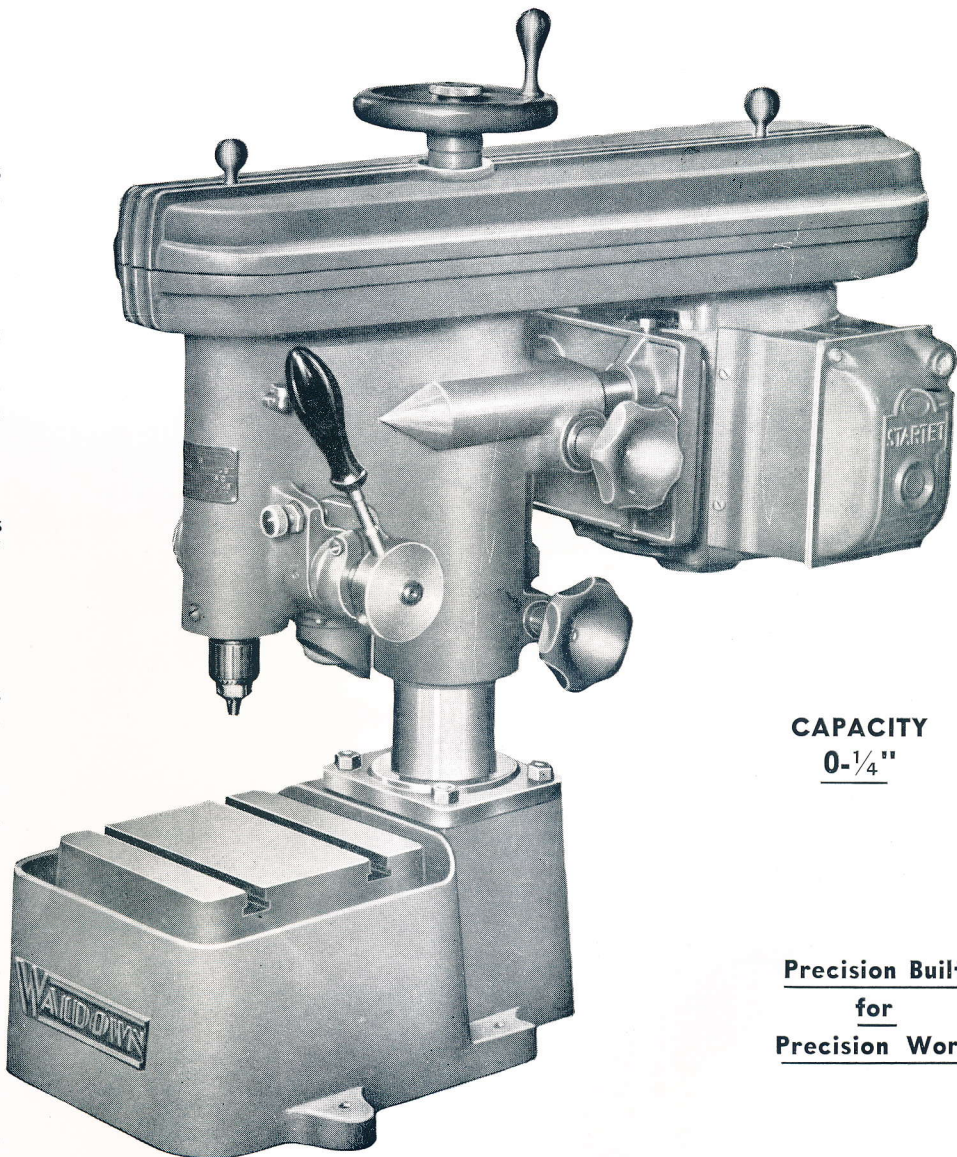
Maximum working distance between chuck and top of base — 6".

Approx. overall height with Head fully raised — 28½".

Approx. overall width — 9½".

Approx. overall length — 25".

Weight unpacked—168 lbs.



CAPACITY
0-¼"

Precision Built
for
Precision Work

Manufactured by

WALDOWNS
PTY. LTD.

BLOOMBERG ST., ABBOTSFORD, VICTORIA
AUSTRALIA

Waldow

Utility Radial

Drilling Machine



ONE HALF INCH CAPACITY

Specifications

MOTOR: Standard motor fitted, unless otherwise specified is 230/240 volt, 50 cycle, 1/3 h.p., single-phase. Alternatively a 230/240 volt, 50 cycle, 1/2 h.p., single-phase or a 415-volt, 50 cycle, 1/2 h.p., three-phase motor can be fitted at additional cost.

An on-off rotary switch is mounted in the front of the head, handy to the operator. This applies to both single and three-phase motors.

Standard drilling speeds through the medium of stepped pulleys and vee-belt are 4,000, 2,000, 1,000 and 500 r.p.m.

Standard drill is fitted with a key pattern 1/2" capacity chuck. Alternatively a No. 1 or No. 2 Morse taper socket spindle can be fitted.

Positive adjustable stop as well as graduated rotary dial for depth drilling is provided.

Quill return by means of torsion spring.

Maximum distance from chuck to table, 11 1/2".

Maximum distance from chuck to base, 23".

Distance from column to chuck centre with arm fully extended, 18 1/2".

Travel of spindle, 4".

Weight of bench model, 240 lbs. unpacked.

The entire head, cross arm and motor assembly can be tilted to right or left as a unit.

A datum line runs the entire length of the cross arm. This together with a protractor on the knuckle graduated to 45° on either side of zero allows for quick angle drilling setting, as well as zero adjustment.

The cross arm assembly can be pulled in or out as well as swing through a complete circle.

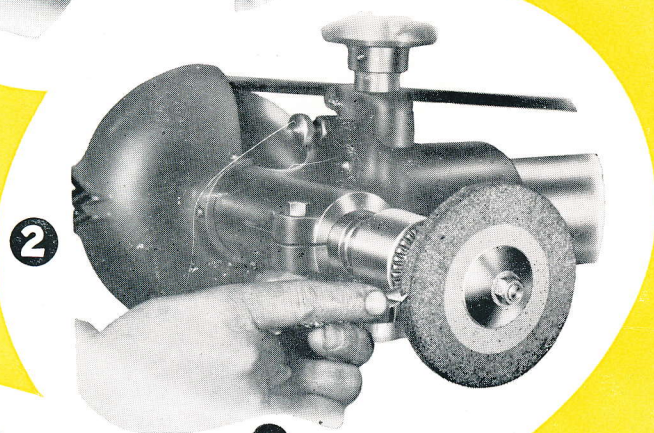
An intermediate drive is available as an extra. This gives nine spindle speeds ranging from 170 to 5,500 r.p.m., which naturally adds to the versatility of the machine.

This drilling machine is also available as a floor pedestal unit.

A few of the 101 applications of this Remarkable Tool



1 Angle drilling to right or left is quickly and easily performed by tilting head to desired angle.

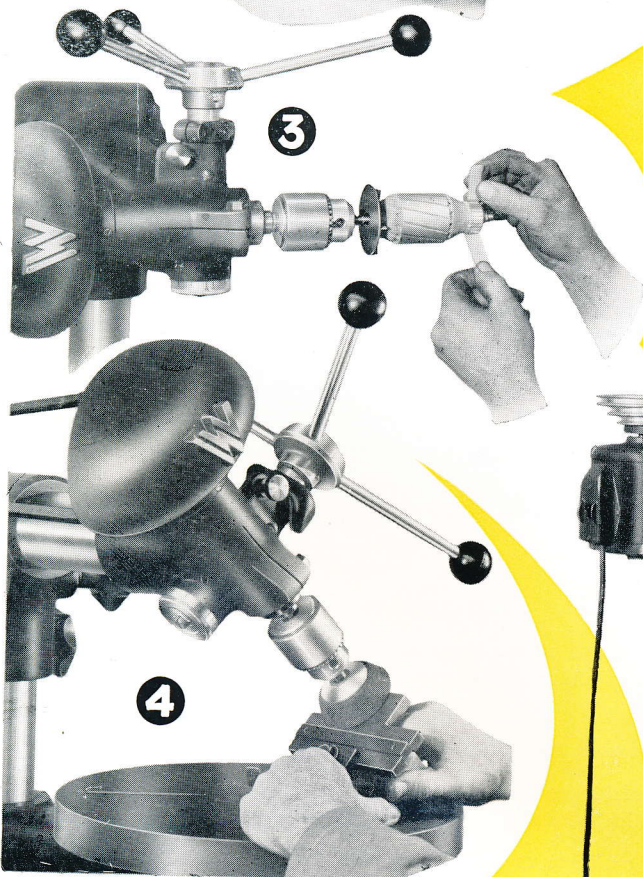


2 With drill head swung in a horizontal position and a small grinding wheel mounted on arbor, a grinding job such as sharpening a drill is easily performed.

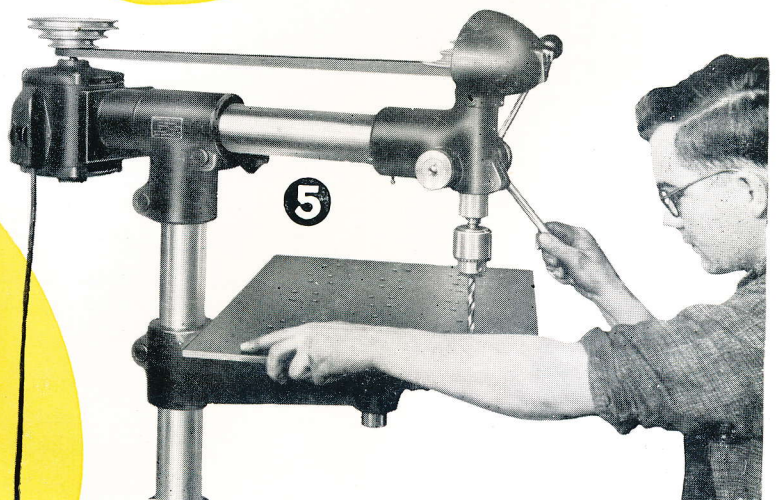
3 Performing a polishing operation with drill head swung in a horizontal position.

4 Using a cup grinding wheel and head swung at desired angle a light surface grinding operation is possible.

5 Drilling a fuse board with radial arm fully extended.



Manufactured in Australia
by
WALDOWNS
PTY. LTD.
BLOOMBERG STREET, ABBOTSFORD, VICTORIA



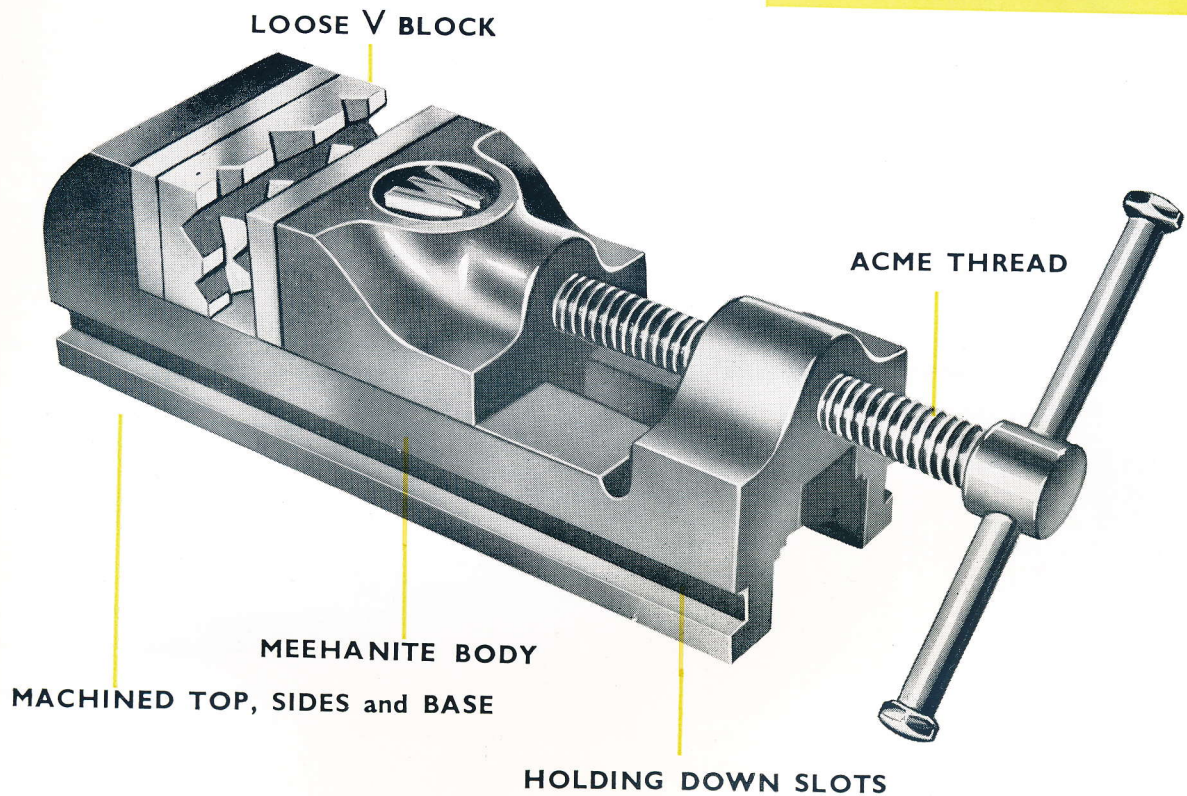
INCREASE YOUR PRODUCTION ON ALL THOSE AWKWARD MACHINING JOBS

WITH A

Waldown

3"

MACHINE VISE



SUPPLIED WITH TWO HOLDING DOWN CLAMPS AND BOLTS.

MAXIMUM OPENING OF JAWS— $3\frac{1}{8}$ "
WIDTH—3"
DEPTH— $1\frac{1}{2}$ "
OVERALL HEIGHT—3"
LENGTH OF BASE— $9\frac{1}{4}$ "
NETT WEIGHT—10 lbs.

PACKED IN AN ATTRACTIVE CARTON

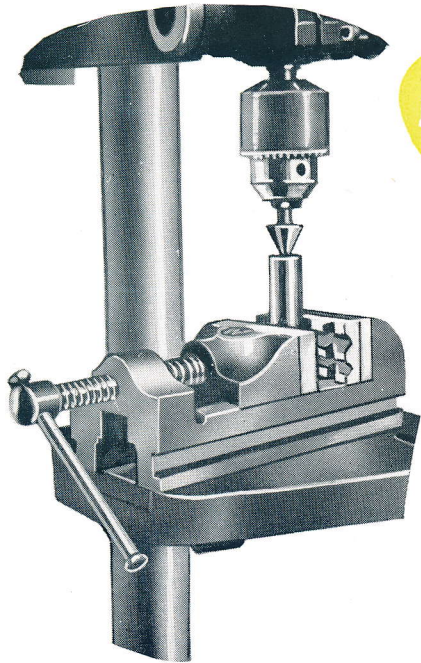
Every owner of a drilling machine, every engineer, toolmaker and craftsman needs this useful, accurate vise.

Waldown

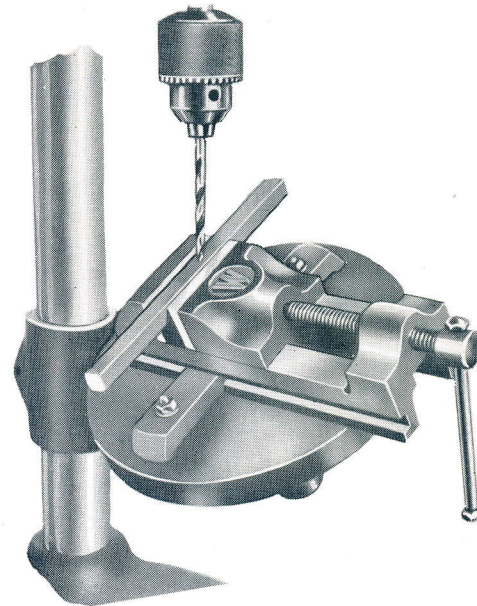
MACHINE VISE

MACHINED
FOR PRECISION USE

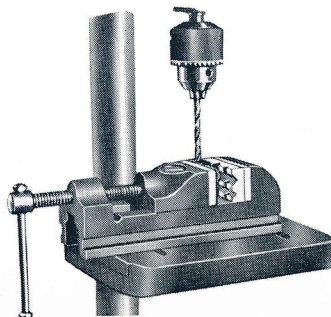
LOOK AT THE HOST OF
EVERYDAY
APPLICATIONS



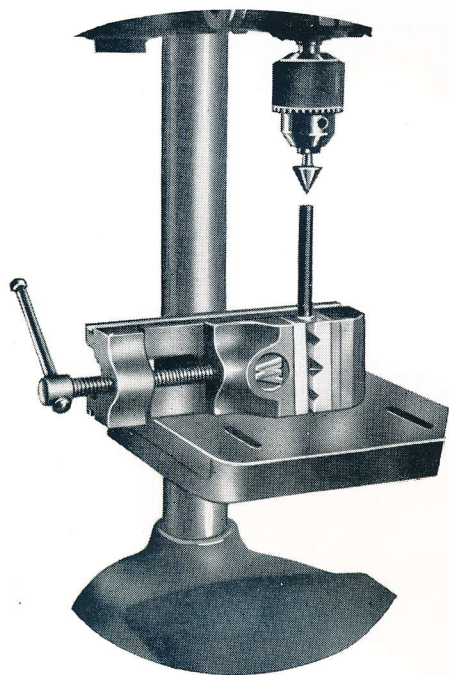
Holding a vertical round work piece in the V block jaw for counter-sinking.



Slotted sides and holding down clamps (supplied) enable vise to be fixed to drilling table to permit angle drilling by tilting table.



Holding a round work piece horizontally in the V block jaw.

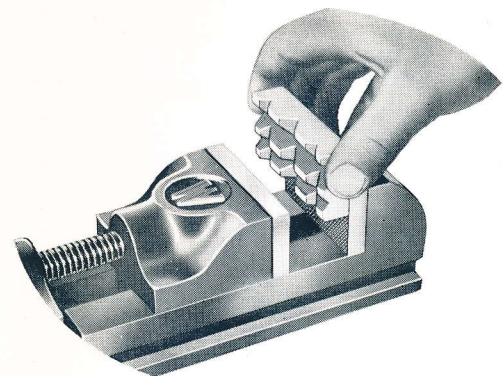


Vise on its side holding a round work piece in the V block jaw for end drilling.

Removable V block jaw can be lifted out, reversed to the other side, or turned upside down, or removed entirely if not required.

SPECIAL ADDED FEATURE

Supplied with a removable V block as well as hardened serrated steel jaws.



Manufactured by

WALDOW
PTY LTD.

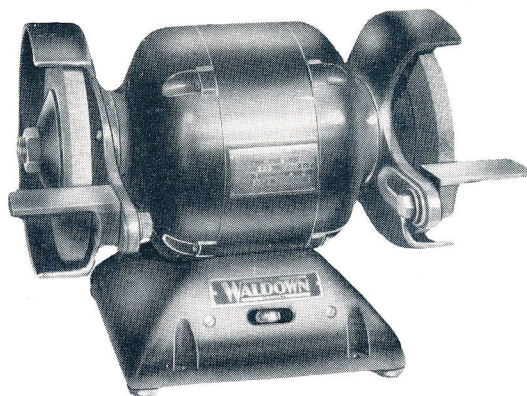
BLOMBERG STREET
ABBOTSFORD, VICTORIA

Waldown Electric Bench Grinders

FOR PRECISION GRINDING AND LONG DEPENDABLE SERVICE

NOTE THESE FEATURES :

- Robust — solid cast iron construction.
- Ball-bearing equipped.
- Bearings grease-packed.
- Dustproof — totally enclosed.
- Fast starting.
- Specially balanced wheels give smooth, vibrationless running.
- Machined Tool Rests — adjustable.
- Built-in switch.
- Ready to go — complete with cord, 3-pin plug and wheels.



TYPE 6"

1/4 h.p. Single Phase, 230/240 volt, 3,000 r.p.m. (4,500 surface feet per minute).

6" x 3/4" wheels:

1-A46 MV } Aluminium
1-A60 MV } Oxide.

3/4" dia. spindle. S.A.E. Fine Thread.

Accessories: See below.

TYPE 7"

1/3rd h.p. Single Phase.

3,000 r.p.m. (5,200 surface feet per minute).

7" x 3/4" wheels:

1-A46 } Aluminium
1-A60 } Oxide.

3/4" dia. spindle. S.A.E. Fine Thread.

TYPE 7"

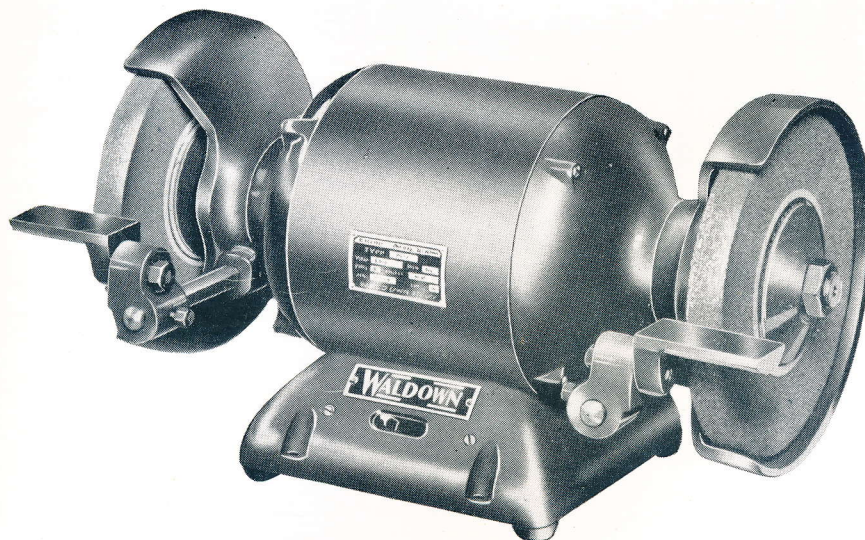
1/2 h.p. Three Phase with Push-Button Starter mounted.

3,000 r.p.m. (5,200 surface feet per minute).

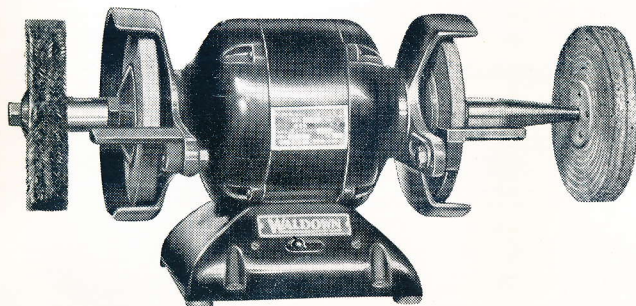
7" x 1" wheels:

1-A46 } Aluminium
1-A60 } Oxide.

ACCESSORIES: See Below.



Jobs other than grinding can be done with the aid of accessories. Using adaptors as illustrated, some of the jobs that may be performed are: Buffing, Polishing, Drilling, Scratch-brushing.



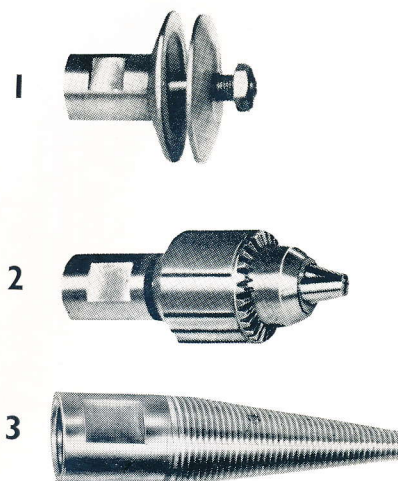
6" Grinder with Adaptors and Wheels for Polishing, Buffing and Wire Brushing.

Screw-on Adaptors
(R. or L.H.)
for accommodating:

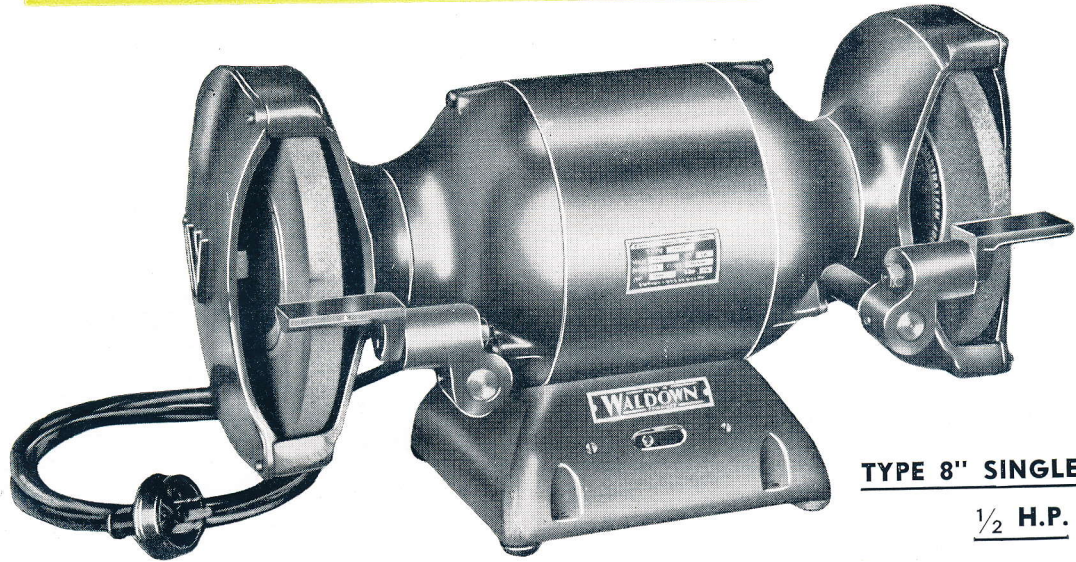
1. Wire Brush wheel.
2. Drill Chuck.
3. Buffing or Polishing Wheel.

ADAPTORS
AND
CAST IRON
PEDESTAL STANDS
(see other side)

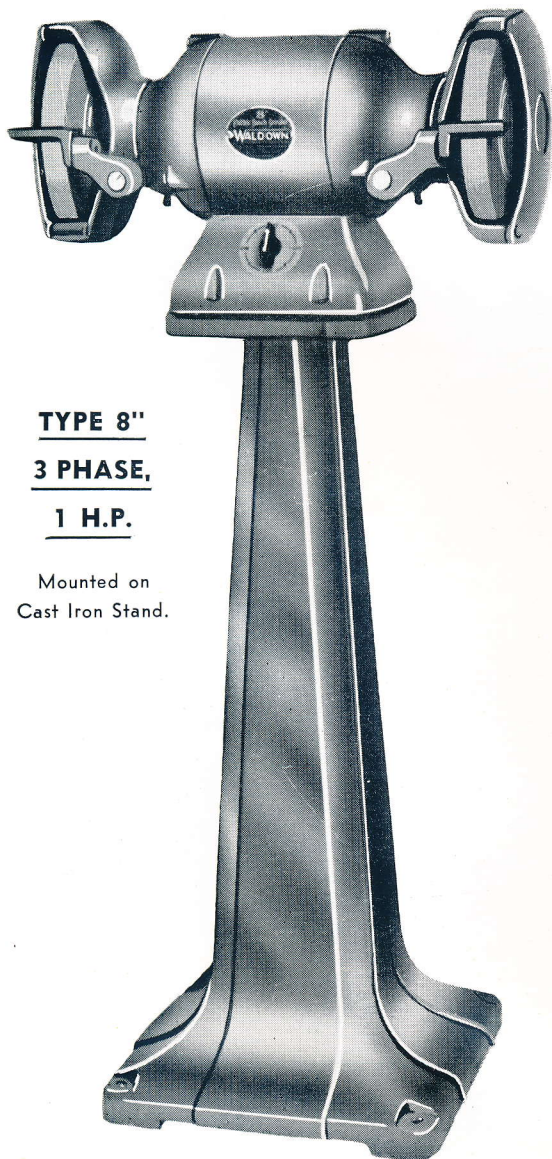
AVAILABLE FOR ALL
WALDOWN GRINDERS



Electric Bench Grinders



TYPE 8" SINGLE PHASE
1/2 H.P.



TYPE 8"
3 PHASE,
1 H.P.

Mounted on
Cast Iron Stand.

Specifications

MOTOR :

1/2 h.p., 230/240 volts, single phase, 3,000 r.p.m. (5,000 surface feet per minute). Flush switch mounted in base.

1 h.p., 3,000 r.p.m., 415 volt, three phase. A Rotary Switch is now mounted in base.

Totally enclosed—dustproof.

Ball-bearing equipped. Bearings packed with grease at time of assembly, thus requiring very little further lubrication, although provision is made for oiling.

WHEELS :

1/2 h.p., 8" x 1" x 3/4" } One A60 and one A46 MV Aluminium
1 h.p., 8" x 1" x 1" or } Oxide wheel to each machine.
1 h.p., 8" x 1-1/4" x 1"

SPINDLE :

1/2 h.p., 19" x 3/4".
1 h.p., 19-1/4" x 1".

WEIGHT (approximate):

1/2 h.p., 87 lbs. unpacked, 126 lbs. packed } 4-1/2 cubic ft.
1 h.p., 94 lbs. unpacked, 132 lbs. packed. } packed.

ACCESSORIES :

As in the case of the 6" and 7" Grinders, similar adaptors are available for the 8" type.

COMBINATION BUFF-GRINDER :

Grinder at one end and Polishing Tip at other end— are available in 7" and 8" sizes. Illustrated on separate leaflet.

Manufactured by

WALDOWN
PTY LTD.

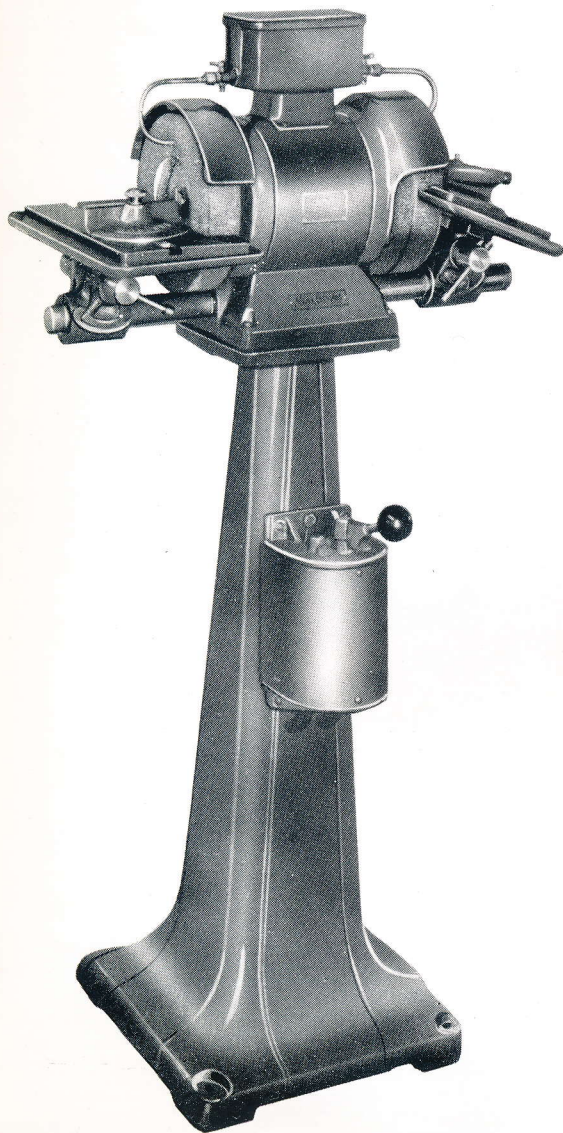
BLOOMBERG ST., ABBOTSFORD, VICTORIA
AUSTRALIA

WALDOW

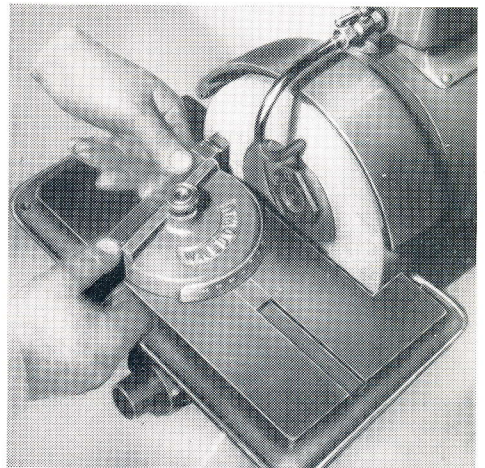
Tipped Tool Grinders

This machine has been designed to meet the demand for a low-priced Grinder capable of accurately grinding Carbide Tipped Tools.

Motor is reversible.



MODEL "T8".



A close-up view showing how graduated sliding protractor enables tool to be held at correct angle and passed accurately across wheel face.

1. Coolant Pot with Taps, ensures a controlled flow of coolant.
2. Sliding Graduated Protractor holds tool at required angle.
3. Diamond Holder fits into groove, enabling diamond to be passed accurately across wheel face, thus ensuring correct wheel dressing.
4. Table Tilting and Locking Device with Graduated Protractor, enables table to be tilted and locked to required angle, thus ensuring correct tool grinding.
Tilting Table can be adjusted to compensate for wheel wear.
5. Starting and Reversing Switch.
6. Cast Iron Pedestal Stand.

Specifications

MOTOR.

REVERSIBLE, 1 H.P., three phase, 415 volt, 3,000 r.p.m. Totally enclosed, dustproof.
Ball Bearing equipped.

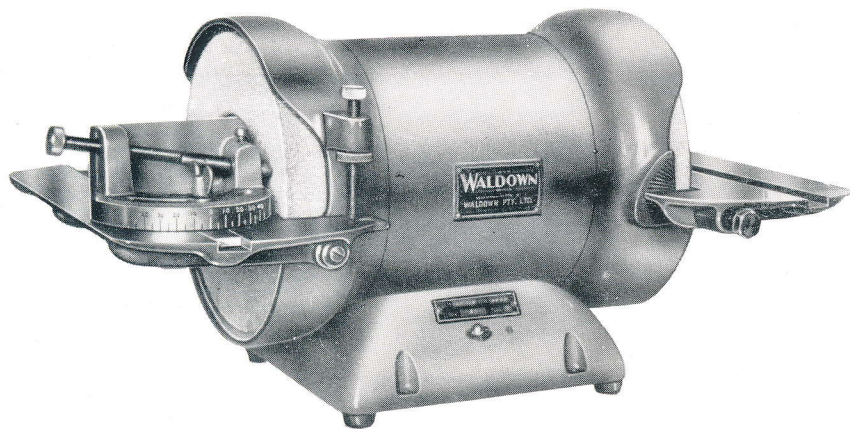
WHEELS

1 — 8" x 1½" x 1" x 39C 120 JV recessed silicon carbide.
1 — 8" x 1½" x 1" x 39C 80 JV recessed silicon carbide.
Diamond Lap may be used.

MAIN DIMENSIONS (approximate).

Spindle, 11¾" x 1".
Overall height, 48".
Overall width, 24".
Table length, 12".
Table width, 5".
Weight unpacked, 203 lbs.

Tipped Tool Grinders



TYPE "T7"

These versatile little machines have been designed primarily for grinding Tungsten Carbide Tipped Tools or any work where control of angle combinations is essential.

For face grinding the Type "T7" has a table fitted to each end. The Type "CT7" has a table at one end for face grinding and an ordinary adjustable tool rest at the other end for peripheral grinding.

The table is graduated, thus enabling it to be tilted and locked to any desired angle.

A sliding graduated Protractor is also supplied for controlling the face angle of the work. This can be moved from one table to the other.

Specifications

MOTOR.

Totally enclosed.
Ball bearing equipped.
Bearings packed with grease at the time of assembly, thus requiring very little further lubrication, although provision is made for oiling.

1/3 H.P., 2,800 r.p.m., 230/240 volt single phase.

1/2 H.P., 2,800 r.p.m., 415 volt three-phase, complete with Push-button Starter.

WHEELS.

Type "T7"—

One 7 x 1 x $\frac{3}{4}$ x 39C 120 JV recessed silicon carbide wheel.

One 7 x 1 x $\frac{3}{4}$ x 39C 80 JV recessed silicon carbide wheel.

Type "CT7"—

One 7 x 1 x $\frac{3}{4}$ x 39C 80 JV recessed silicon carbide wheel.

One 7 x $\frac{3}{4}$ x $\frac{3}{4}$ x A46 KVBE aluminium oxide wheel.

DIMENSIONS (approximate).

Spindle—

"T7", 10 $\frac{1}{4}$ " x $\frac{3}{4}$ ".

"CT", 13 $\frac{1}{2}$ " x $\frac{3}{4}$ ".

Overall height, 9 $\frac{1}{2}$ ".

Overall length, 15".

3 $\frac{1}{2}$ cu. ft. packed.

Table length, 12".

Table width from face of wheel, 4".

WEIGHT.

Unpacked, 56 lbs. approx.

Packed, 108 lbs. approx.



MODEL "CT7"

Manufactured by

WALDOWN

PTY LTD

BLOOMBERG ST., ABBOTSFORD, VICTORIA
AUSTRALIA

Electric Buffing and Polishing Lathes

by

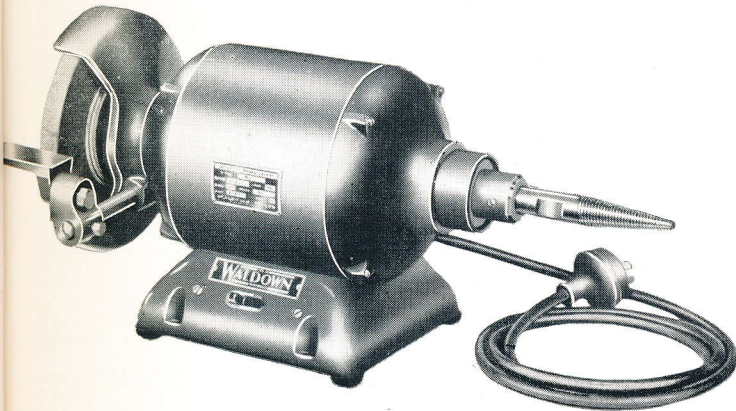
WALDOW



Model B2 — 1/3 h.p. single phase

Model B3 — 1/2 h.p. 3-phase

LIGHT DUTY



Model B4 — 1/3 h.p. single phase

Model B5 — 1/2 h.p. 3-phase

LIGHT DUTY



Model B6 — 1/2 h.p. single phase

LIGHT DUTY



Model B8 — 1 h.p. 3-phase

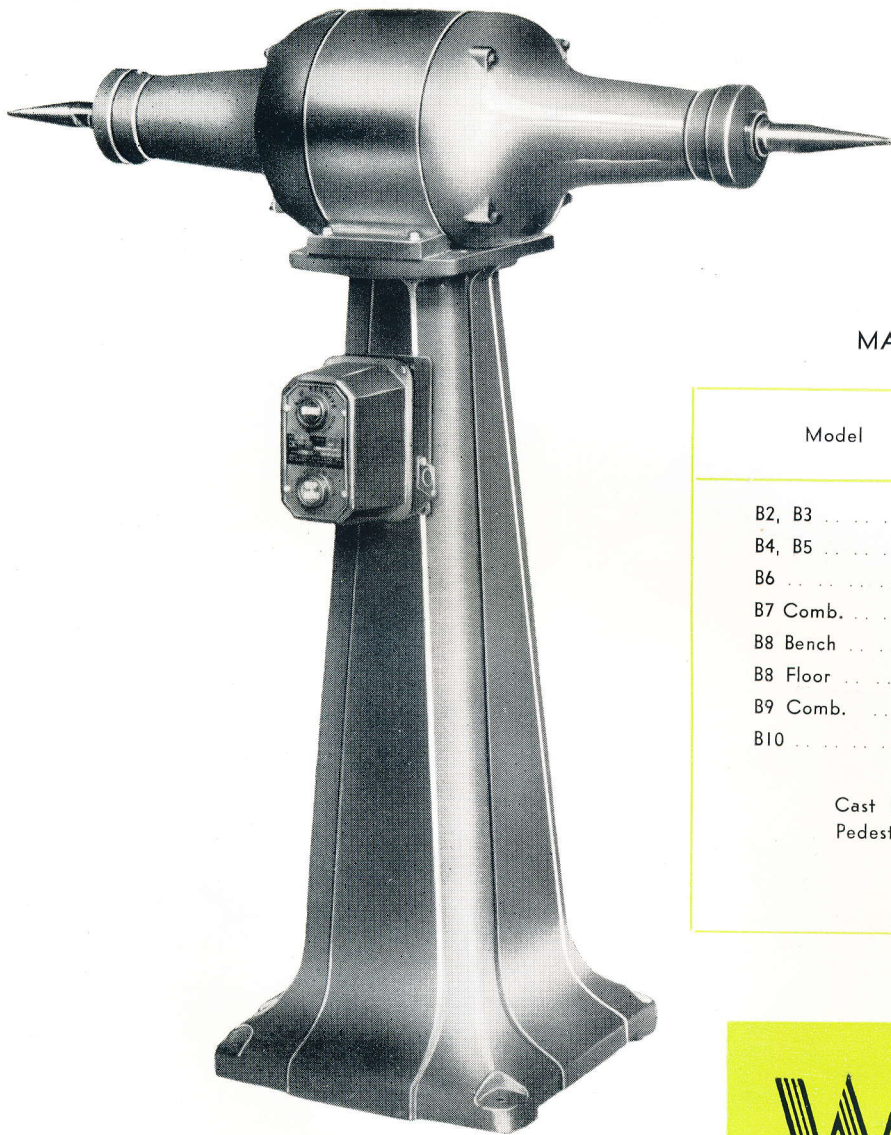
Bench or Floor Type

MEDIUM DUTY

Electric Buffing and Polishing Lathes

The Model B10 illustrated below is built for heavy duty work, and compared with other machines has these advantages:—

- Extra long Snoots give a working clearance of 12" between the wheel and the motor body thus permitting greater freedom of movement around the wheel.
- Four Ball Bearings — one in the end of each snoot a few inches from the wheel — give smooth vibrationless running.
- Tapered Spindle Extensions are of the screw-on type and are easily removed and replaced. This obviates the necessity for dismantling the main spindle when worn threads require reconditioning.



Model B 10
2 H.P. 3-phase
HEAVY DUTY

MAIN DIMENSIONS — ALL MODELS

Model	Overall Height	Overall Spindle Length	Base
B2, B3	8½"	22½"	7¼" x 6¾"
B4, B5	9"	21"	7¼" x 6¾"
B6	10"	26"	8" x 7½"
B7 Comb.	10"	23½"	8" x 7½"
B8 Bench	13"	29½"	8" x 7½"
B8 Floor	45"	29½"	13½" x 13½"
B9 Comb.	13"	24¼"	8" x 7½"
B10	41"	38½"	13½" x 13½"
Cast Iron Pedestal	Height	32"	
	Top	8¼" x 7½"	
	Base	13½" x 13½"	
	Weight	94 lbs.	

Manufactured by

WALDOWNS
PTY LTD

BLOOMBERG ST., ABBOTSFORD, VICTORIA
AUSTRALIA

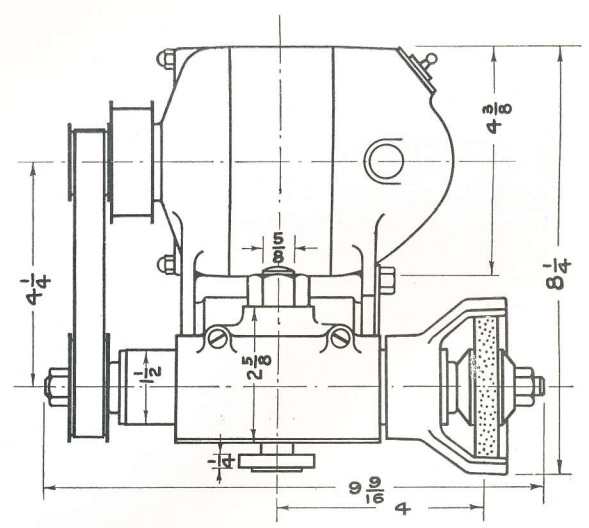
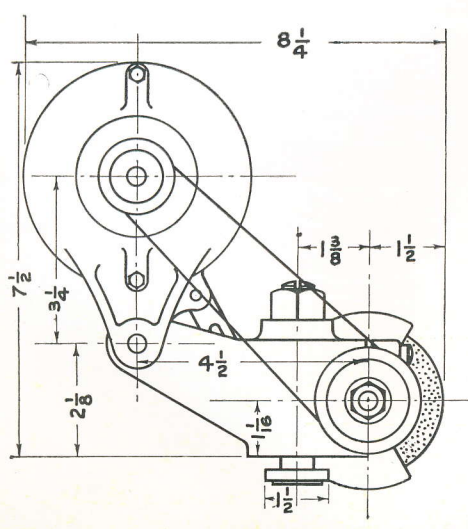
TOOL POST GRINDER

The C

(LIGHT DUTY)



This grinder is admirably suited for the tool and die maker. With the range of quills available it will be found very useful for all small lathe grinding operations. The centre distance from base to grinding spindle is $1\frac{1}{16}$ " which is correct for the South Bend, Hercus, Sheraton, etc., lathes, without any additional height adjustment.



PHYSICAL DIMENSIONS

use

- x $6\frac{3}{4}$ "
- x $6\frac{3}{4}$ "
- x $7\frac{1}{2}$ "
- x $7\frac{1}{2}$ "
- x $7\frac{1}{2}$ "
- x $13\frac{1}{2}$ "
- x $7\frac{1}{2}$ "
- x $13\frac{1}{2}$ "

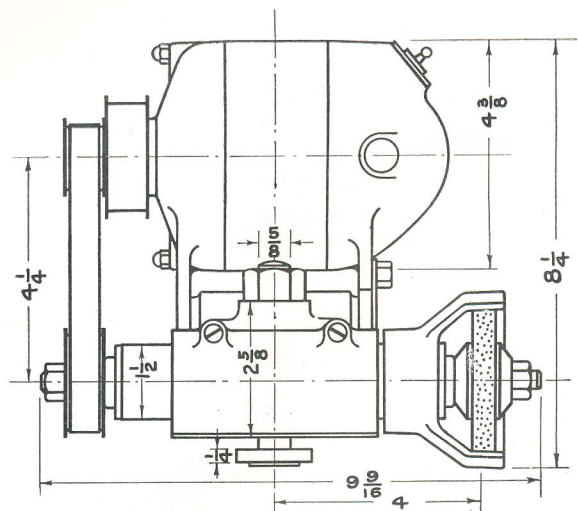
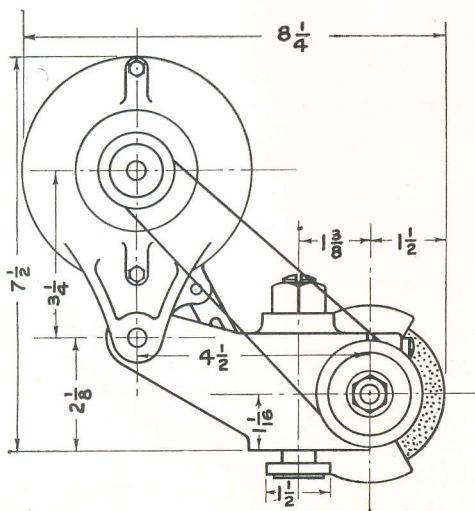
TOOL POST GRINDER

The C

(LIGHT DUTY)



This grinder is admirably suited for the tool and die maker. With the range of quills available it will be found very useful for all small lathe grinding operations. The centre distance from base to grinding spindle is $1\frac{1}{16}$ " which is correct for the South Bend, Hercus, Sheraton, etc., lathes, without any additional height adjustment.



PHYSICAL DIMENSIONS

Specifications

MOTOR.

Universal type (AC-DC) 200/240 v., .2 h.p. at 12,000 r.p.m. Ball bearing equipped. Complete with built-in switch and supplied with 3 ft. of 3-core flex, terminating in 3-pin plug. This motor is for single phase supply only.

GRINDING WHEELS (Supplied).

$3'' \times \frac{1}{2}'' \times \frac{3}{8}''$ for external grinding.
 $\frac{3}{4}'' \times \frac{1}{2}'' \times \frac{1}{4}''$ recessed one side, for internal grinding.

BELT.

$17'' \times \frac{3}{8}''$ woven cotton endless.
 Belt adjustment by means of spring and link.

BEARINGS.

Quills are fitted with preloaded magneto type ball bearings.
 Baffles at both ends of quills prevent entry of dirt.

SPINDLE SPEEDS.

Approx. 7,000 r.p.m. for external grinding.
 Approx. 24,000 r.p.m. for internal grinding.
 Approx. 32,000 r.p.m. is available for the collet quills when using small mounted wheels.

QUILLS.

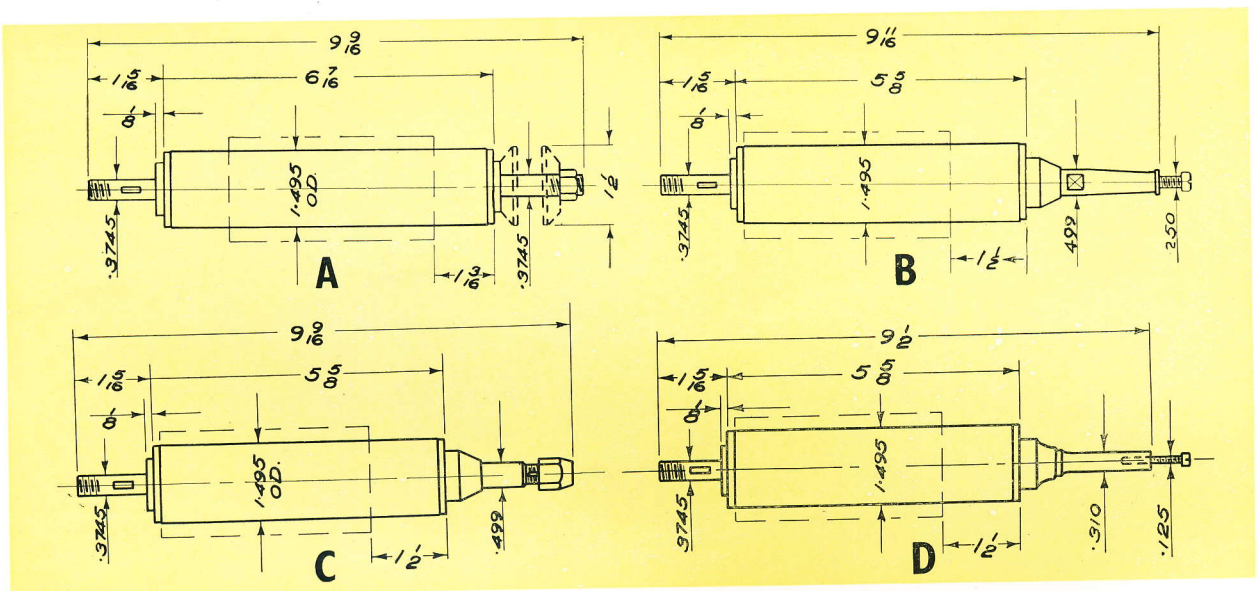
Two interchangeable quills, one for external, and the other for internal grinding, are supplied with this grinder as standard equipment. A two step driving pulley on the motor provides the alternative combination, using the same belt to give the correct spindle speeds.

CARRYING CASE.

This grinder is supplied in an attractive and sturdy polished hardwood carrying case.

WEIGHT.

$16\frac{1}{2}$ lbs. net.



QUILL DIMENSIONS.

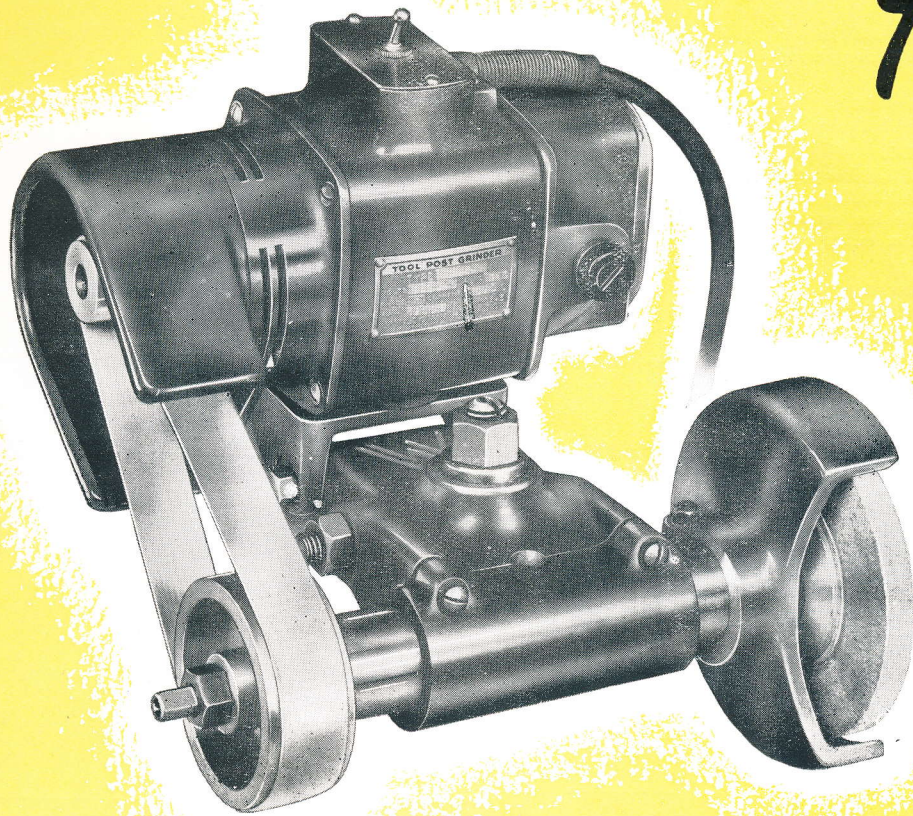
- Standard quill supplied for external grinding.
 - Standard quill supplied for internal grinding. With a $\frac{3}{4}''$ dia. wheel has an internal reach of $2\frac{3}{4}''$.
 - Has collet chuck integral with spindle for holding steel shanks of small mounted wheels. Available for either $\frac{1}{8}''$ or $\frac{1}{4}''$ dia. shanks.
 - An alternative internal grinding quill having parallel spindle to take small grinding wheels with $\frac{1}{4}''$ hole.
- All of these quills are interchangeable and any of them can be supplied as extras to supplement the two normally supplied. Special quills can be made to order to meet customers requirements.
- All quills are provided with removable screws for subsequent oiling. Always use spindle oil (Shell Carnea or equivalent).

MANUFACTURED IN AUSTRALIA
 BY

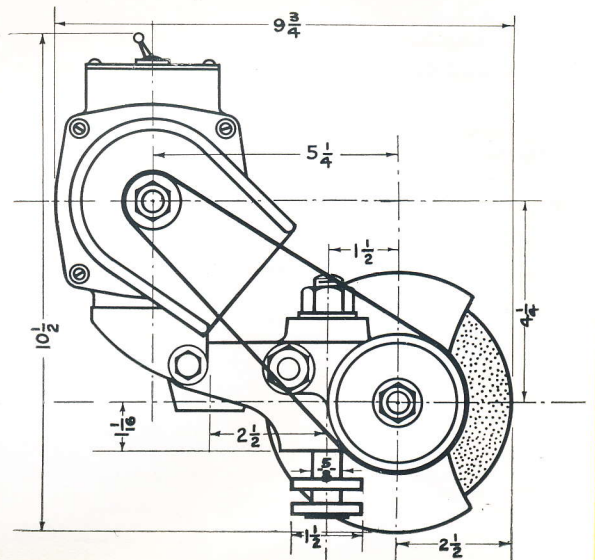
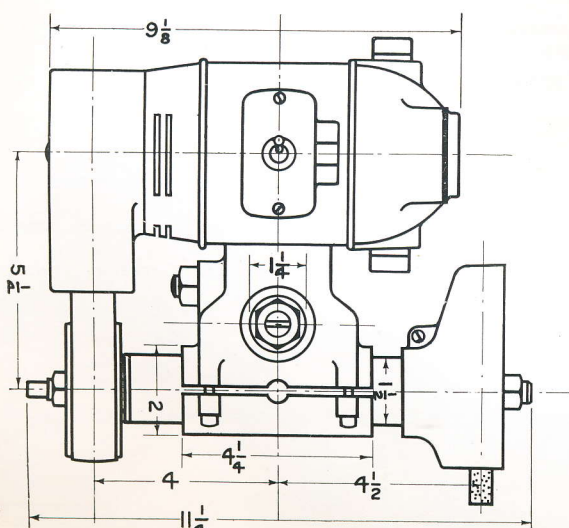
WALDOW
 PTY LTD
 BLOOMBERG ST., ABBOTSFORD, VIC.

TOOL POST GRINDER

The C1
(MEDIUM DUTY)



This grinder is unquestionably the most versatile of the range. Its speed makes it equally suited to the tool and die maker as the type "C" but with added power. A feature of this machine is that by loosening the hexagon head screw in the centre of the motor mounting cradle, the motor can be swung around 180° on its two locating spigots and the quill assembled in the base in reverse. The belt guard on the motor can also be swung over to suit this reverse assembly. This grinder is recommended for lathes of not less than 5" centres.



PHYSICAL DIMENSIONS

Specifications C.2

MOTOR.

1 h.p., 415 v., 3 phase, 2,800 r.p.m. or alternatively $\frac{1}{2}$ h.p., 230/240 v., single phase, 2,800 r.p.m.
Electrical connection is by metal clad junction box at rear of motor.

GRINDING WHEEL (supplied).

External: 6" x $\frac{1}{2}$ " x $\frac{1}{2}$ "—A60 J.V.B.E.
Internal: 1 $\frac{1}{2}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ "—38A J.V.B.E.

BELTS.

Two No. R.191 V Belts.
Belt adjustment is by sliding the motor on base.

HEIGHT ADJUSTMENT.

Distance from base to centre of grinding spindle is variable and can be altered by means of hand wheel which raises or lowers the quill saddle on the base.

BEARINGS.

Quills are fitted with preloaded combined radial and one direction thrust bearings.
Baffles at both ends of quills prevent entry of dirt.

SPINDLE SPEEDS.

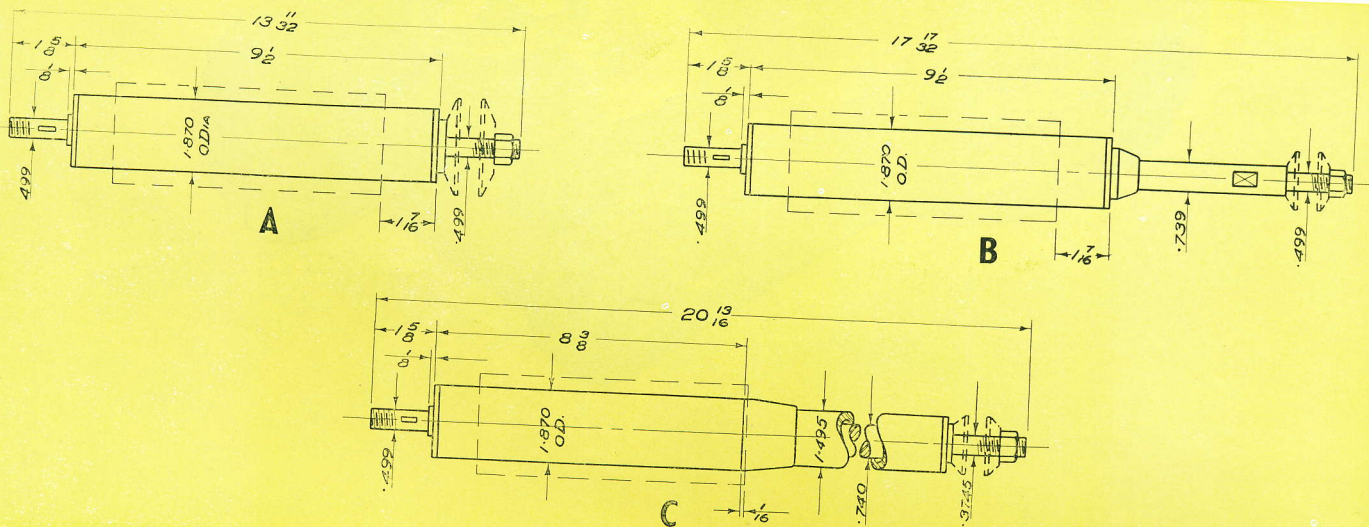
Approx. 3,000 r.p.m. for external grinding.
Approx. 9,000 r.p.m. for internal grinding.

QUILL.

An external grinding quill only is supplied as standard with this grinder. An internal quill may be obtained as an extra if required.

WEIGHT.

80 lbs. net.



QUILL DIMENSIONS.

- Standard quill supplied for external grinding.
 - Internal grinding quill which is available as an extra. With a 1 $\frac{1}{2}$ " dia. grinding wheel it has an internal reach of 5 $\frac{3}{8}$ ".
 - Special internal grinding quill which is available as extra. With a 3" dia. grinding wheel it has an internal reach of 9".
- Special motor pulley is supplied with quills B and C to give 9,000 r.p.m. spindle speed. Pulleys are supplied on quills. The same R.191 belts are used as for external and internal grinding.
- Special quills can be made to order to meet customer's requirements.
- All quills are provided with removable screws for subsequent oiling.
- Always use spindle oil (Shell Carnea or equivalent).

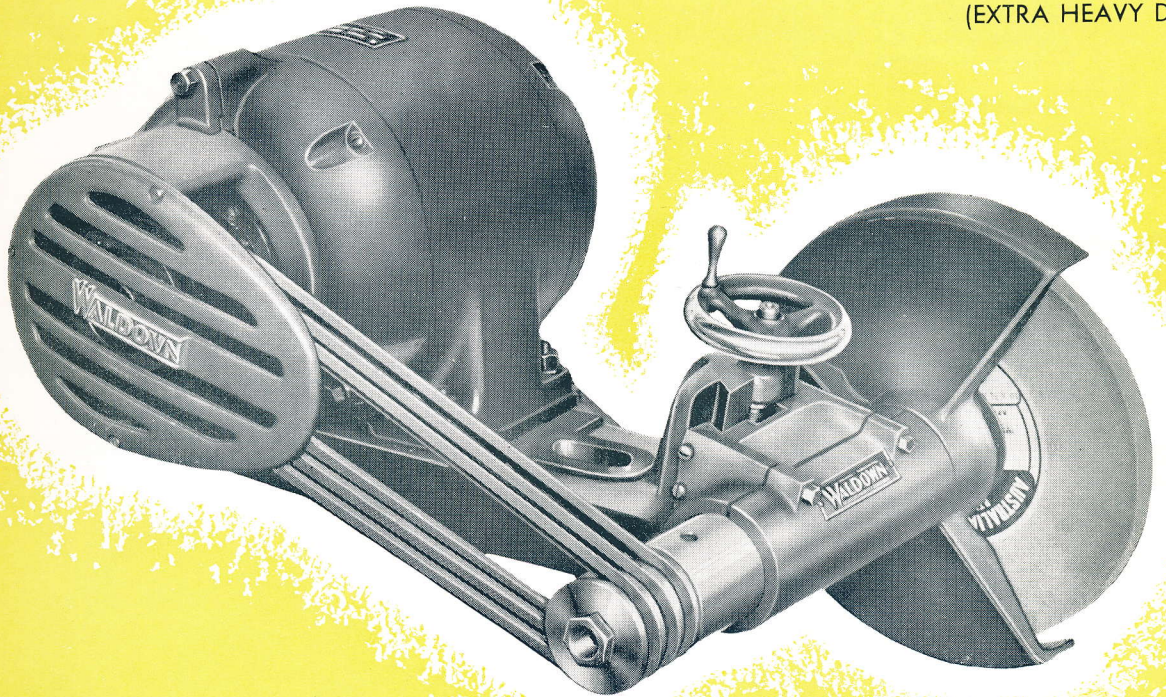
MANUFACTURED IN AUSTRALIA
BY

WALDOW
PTY LTD
BLOMBERG ST., ABBOTSFORD, VIC.

TOOL POST GRINDER

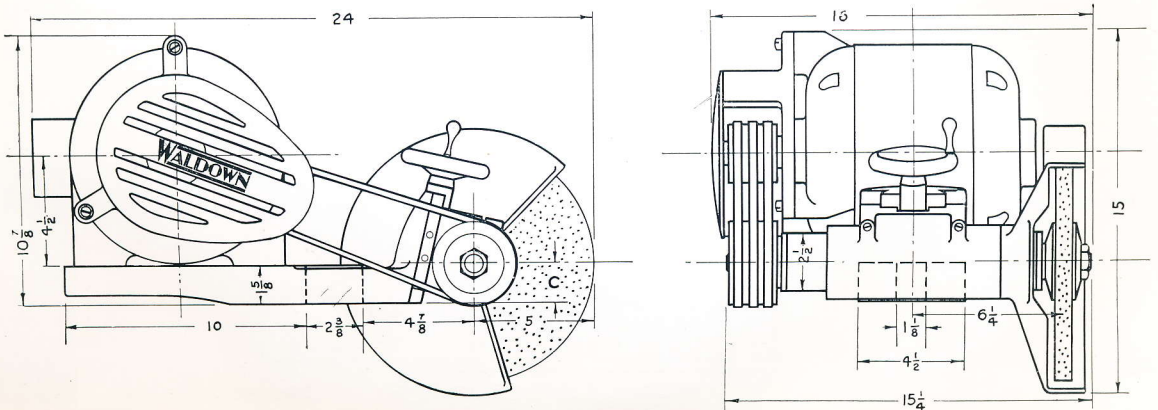
The C3

(EXTRA HEAVY DUTY)



An extra heavy duty grinder for large machine tool applications. It also is proving very useful for mounting on a traversing rail for grinding large rollers used in the paper, textile, rubber, sugar, and other industries where large rollers need periodical surfacing. A $1\frac{3}{16}$ " wide slotted hole is provided in base for mounting.

Motor can be turned 180° on base and quill reversed so as to bring grinding wheel on opposite side of grinder.



PHYSICAL DIMENSIONS

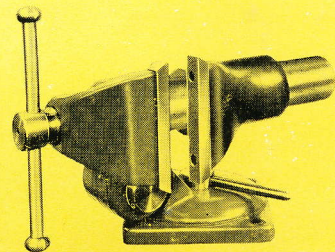
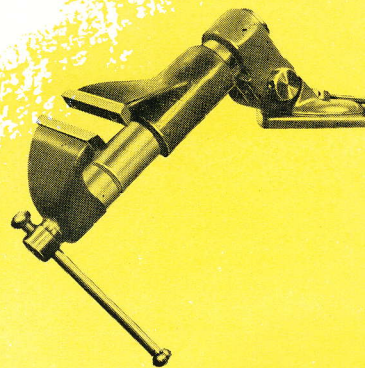
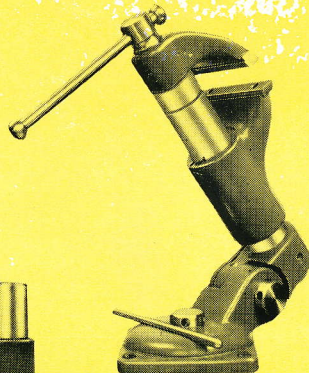
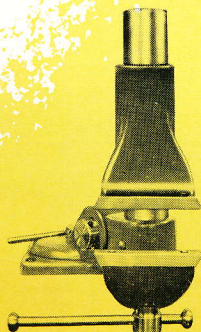
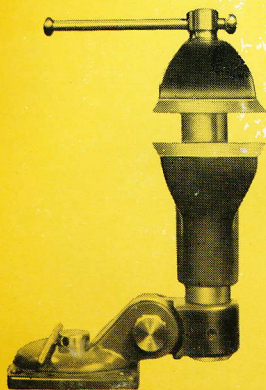
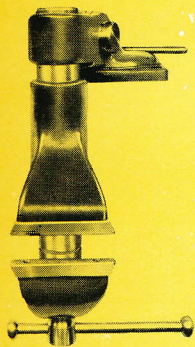
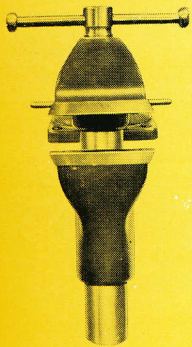
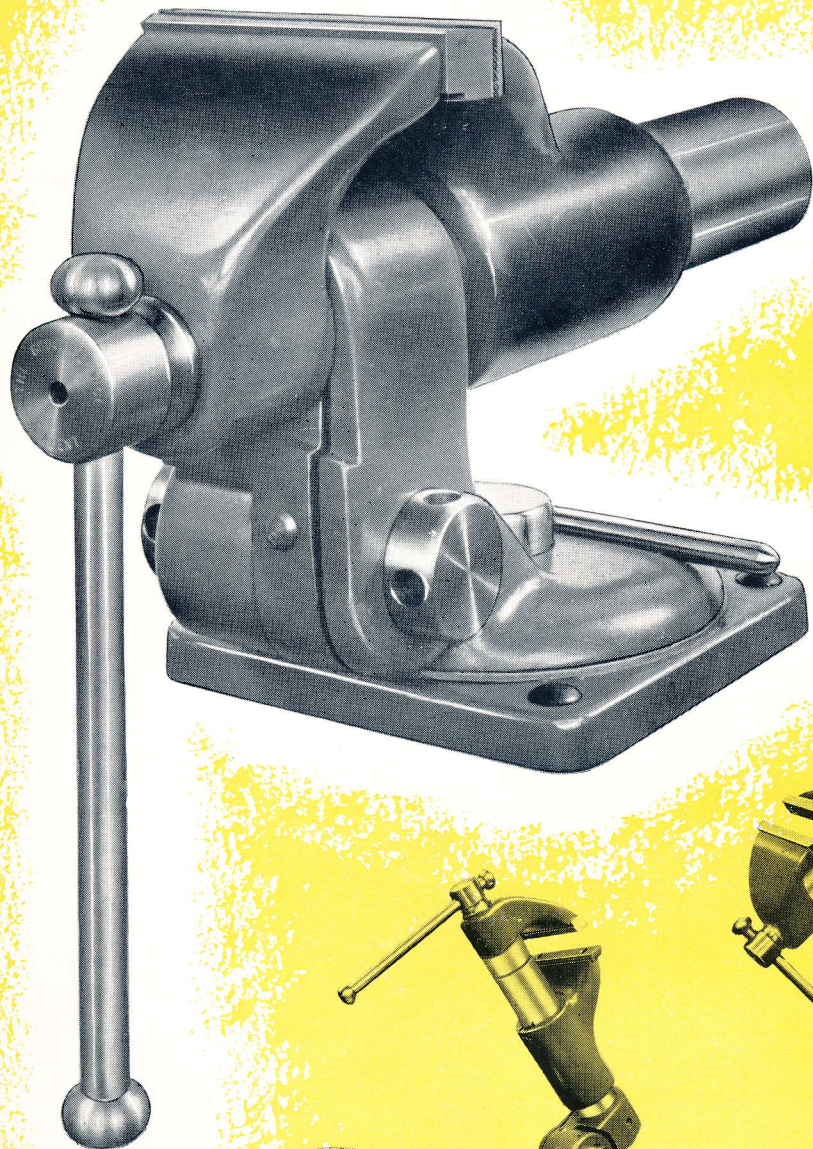
The GOODWILL Vise

PAT. Nos. AUST. 155132, G.B. 717592, U.S.A. 2703028.

PRECISION MADE FOR THE TOOLMAKER, DIE SINKER, ENGINEER, CRAFTSMAN, ETC.

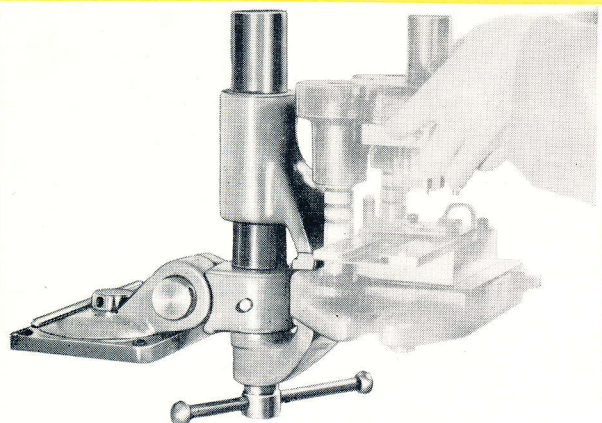
It

URNS
TWISTS
SWIVELS
SOMERSAULTS
TILTS FORWARD
TILTS BACKWARD



THIS VISE WILL MOVE IN 3 PLANES, INDIVIDUALLY OR COLLECTIVELY

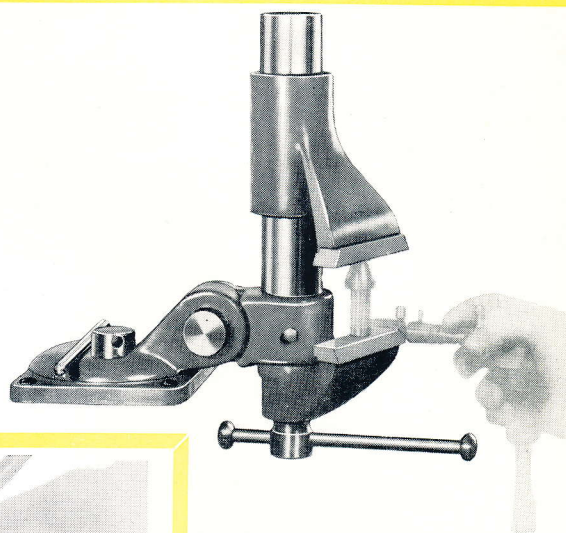
A FEW OF ITS MANY AND VARIED APPLICATIONS



ADJUSTMENTS ARE
SIMPLE AND EASILY
MADE.

JAWS ARE SERRATED
AND HARDENED.

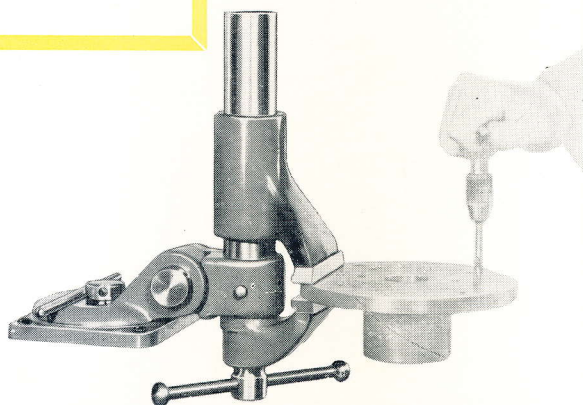
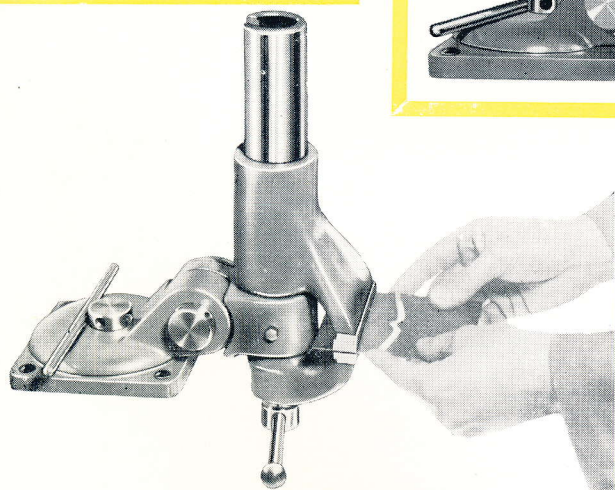
TWO SOFT BRASS JAWS
ARE PROVIDED FOR
HOLDING WORK THAT
MIGHT OTHERWISE BE
BRUISED BY THE STEEL
JAWS.



JAWS ARE 4½" LONG
AND CUT TO 30° ANGLE
AT EACH END TO
FACILITATE HOLDING
SMALL COMPONENTS.

ALL CASTINGS ARE
FINE GRAIN
MEEHANITE.

LEAD SCREW IS 7/8"
DIA. ACME THREAD.

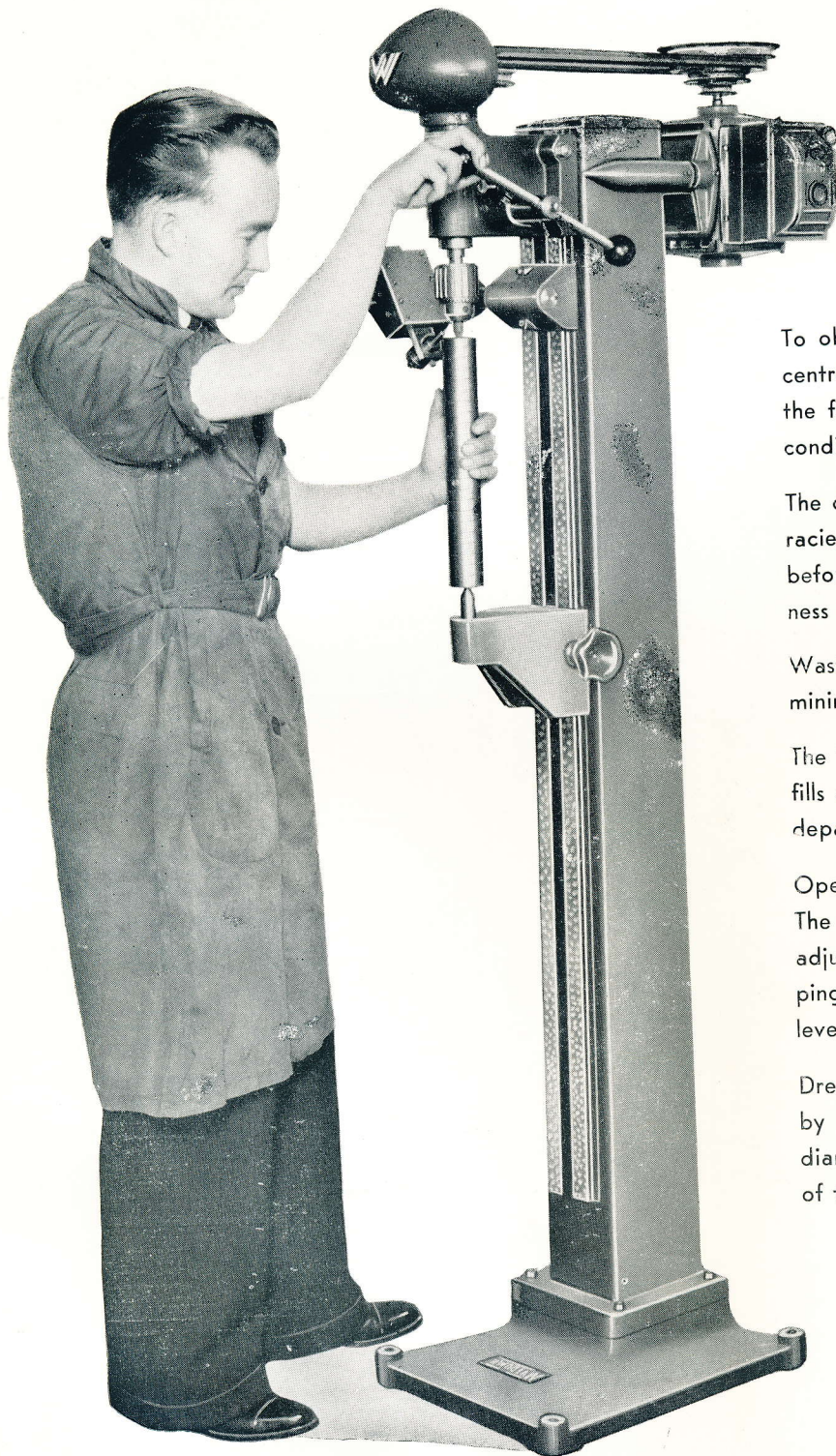


MANUFACTURED UNDER LICENCE BY

WALDOWN
PTY LTD.

BLOOMBERG ST., ABBOTSFORD, VIC.

Center Lapping Machine



Present day machining methods require greater accuracy and uniformity than heretofore.

To obtain this precision in grinding between centres, care must be taken to ensure that the female centres themselves are accurately conditioned.

The distortion from heat treating and inaccuracies of rough centres must be corrected before precision limits for roundness, straightness and concentricity can be held.

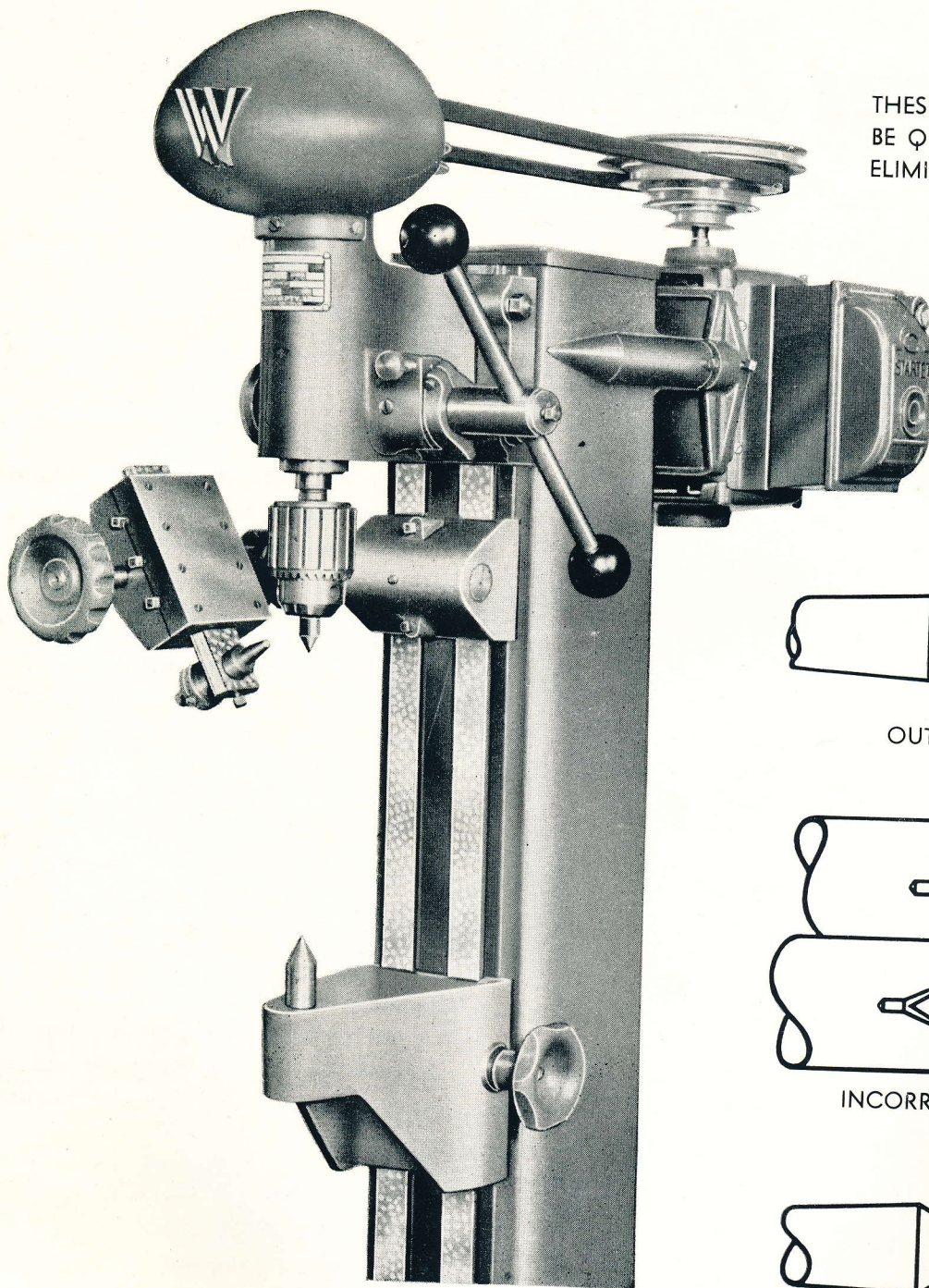
Waste from grinding rejections can thus be minimized.

The "WALDOWN" Center Lapping Machine fills a real need in tool rooms and production departments.

Operation of this machine is extremely simple. The work to be lapped rests on a vertically adjustable center, while the spindle and lapping stone are brought down by the hand lever.

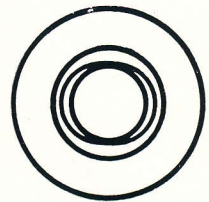
Dressing the lapping stone is accomplished by a dressing device which permits the diamond being passed over the cutting face of the stone at the correct angle.

THIS MACHINE IS BALL BEARING THROUGHOUT

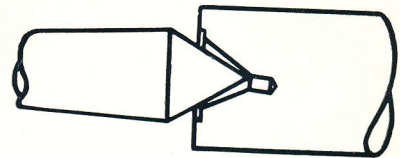


THESE CONDITIONS CAN
BE QUICKLY AND EASILY
ELIMINATED BY

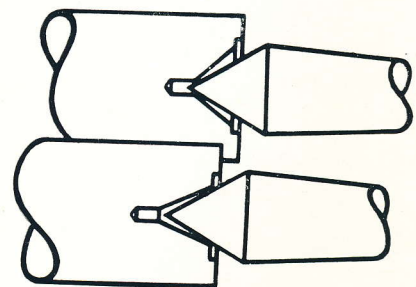
CENTER LAPPING



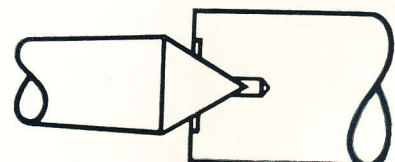
OUT OF ROUND



OUT OF LINE



INCORRECT ANGLES



CENTER CORRECTLY LAPPED

SPECIFICATIONS :

Maximum Diameter of Work	10"
Maximum Length of Work	36"
Chuck Capacity	$\frac{1}{2}$ "
Lapping Spindle Speeds	4,000 2,000, 1,000, 500
Motor—1,500 r.p.m., $\frac{1}{2}$ h.p., 415 V., 3 Phase.	
Overall Height	66"
Floor Space	24" x 15"

Manufactured by

WALDOW
PTY LTD

BLOOMBERG STREET, ABBOTSFORD, VICTORIA
AUSTRALIA