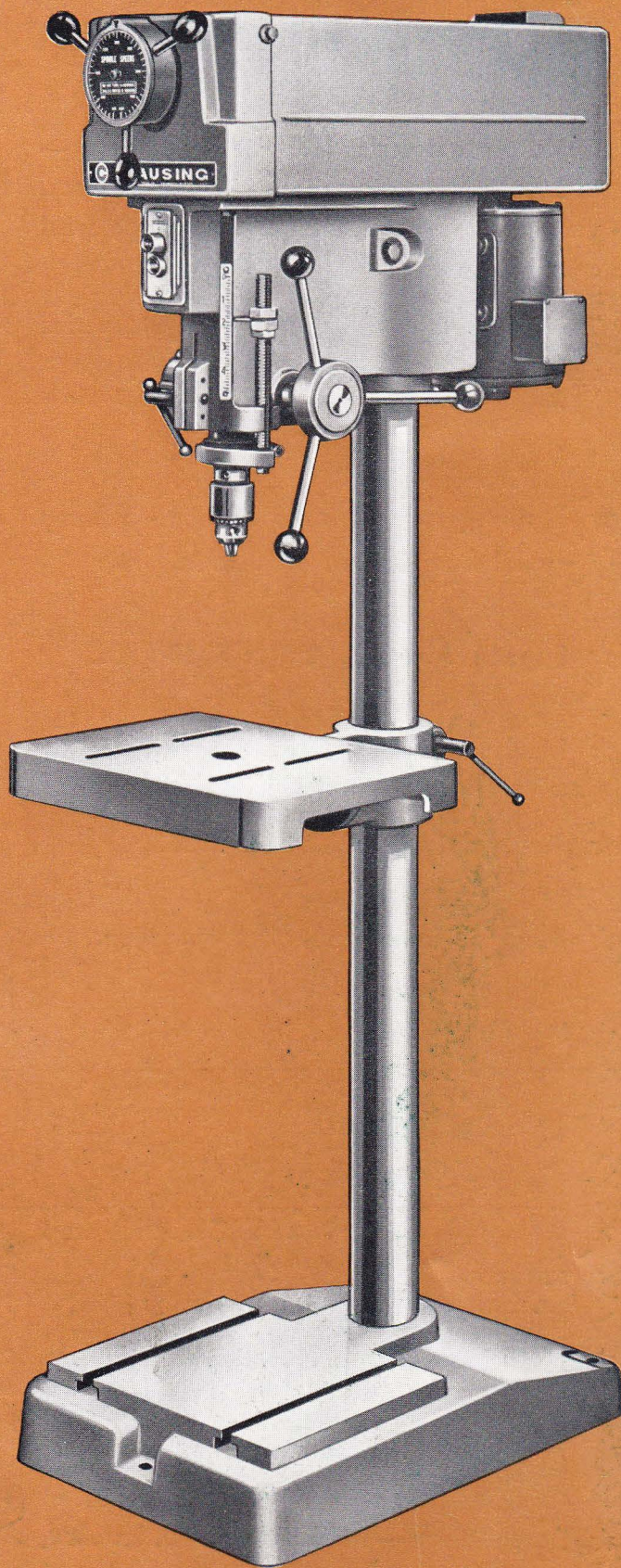
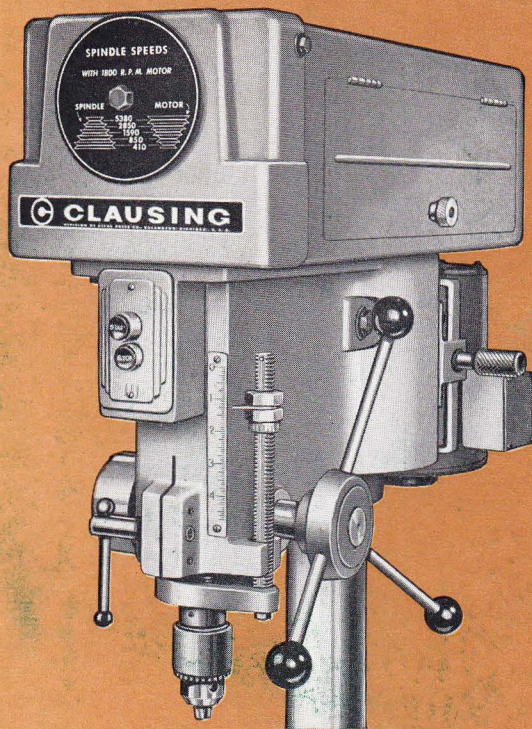


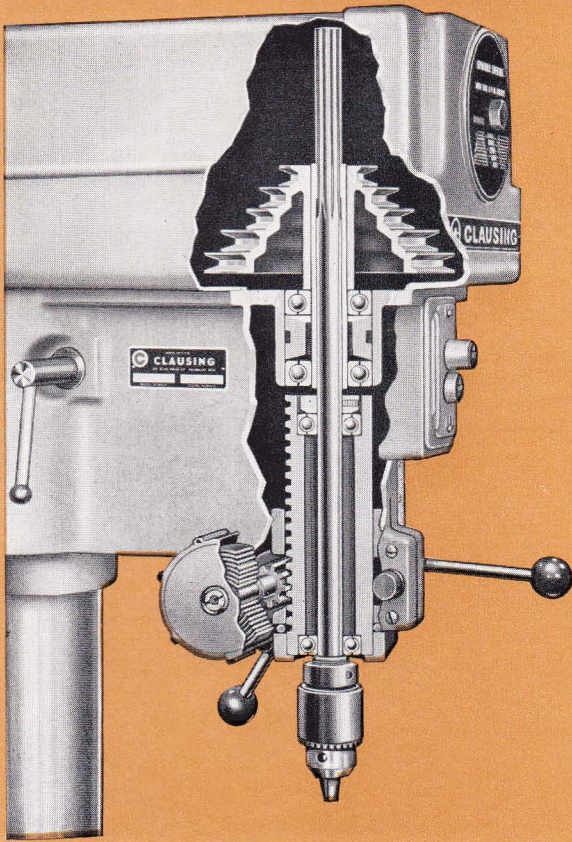
CLAUSING *15" heavy duty* DRILL PRESSES



SOLD BY

Here are the details of Clausing's exclusive-feature design and superior construction that assure unmatched accuracy and efficiency on every job.

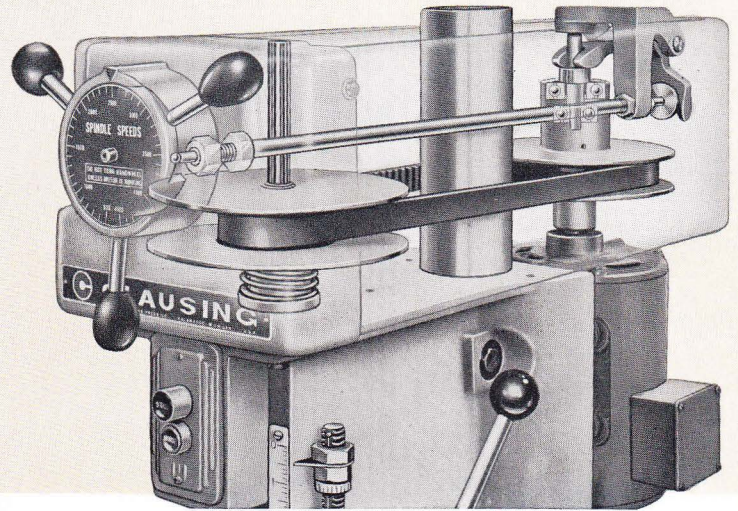
The Clausing head looks massive, and it is. It has the weight and rigidity to maintain the built-in tight tolerances.



Note the large, widely-spaced bearing surfaces for full support of quill throughout its travel. These, and the bearing surfaces for the ball-bearing drive, and for the column are precision bored simultaneously for exact alignment.

Note, too, the wide spacing of the bearings in quill and drive spindle assemblies. All bearings are lubricated-for-life.

And the unique drives are additional reasons for Clausing's superior performance.



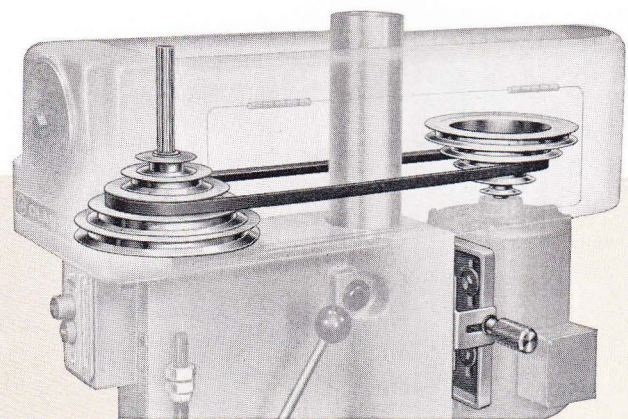
POSITIVE-POWER VARIABLE SPEED DRIVE

Any speed between 500 and 4500 RPM is available *instantly* while drill is running. Speeds are dialed by turning hand-wheel.

Drive is constructed throughout for heavy-duty use.

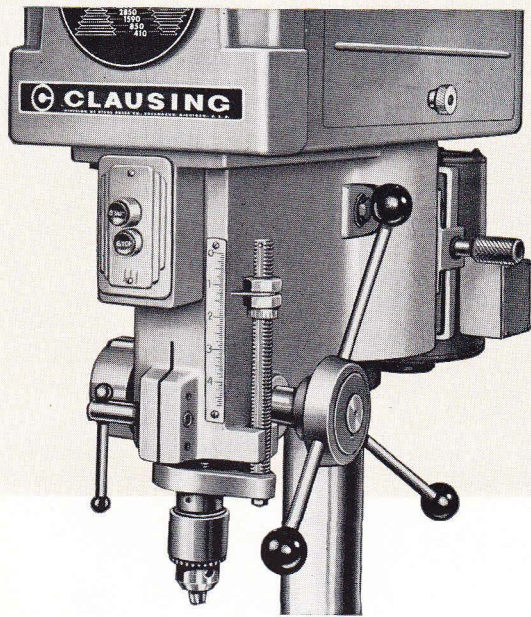
Pulleys are grey iron — fully machined and balanced.

Two ball bearings in motor pulley assembly absorb thrust — two more ball bearings support drive spindle in head. Moving sections of pulleys slide on oil-impregnated bronze bushings — and pulley sleeves are ground and hard-chrome plated — for smooth action and long service life. All bearings are lubricated-for-life. Cog belt transmits full power.



5-SPEED DRIVE

410, 850, 1590, 2850, 5380 RPM. Pulleys are long-wearing aluminum alloy, accurately machined and balanced. Spindle pulley is keyed to splined steel drive sleeve supported in head by two lubricated-for-life ball bearings. Motor base casting is hinged for quick speed changes and tensioning. Guard has door for easy access to belt.

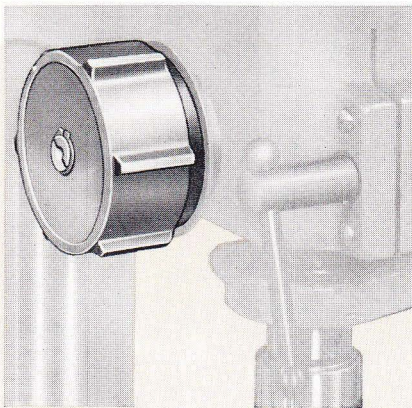


QUILL LOCK. Slip-thru handle, turning in threaded steel insert, locks quill in position. Two Nylok take-up screws adjust quill bearings for wear.

PUSH-BUTTON SWITCH, furnished, has protruding "stop" and shielded "start" buttons for safety.

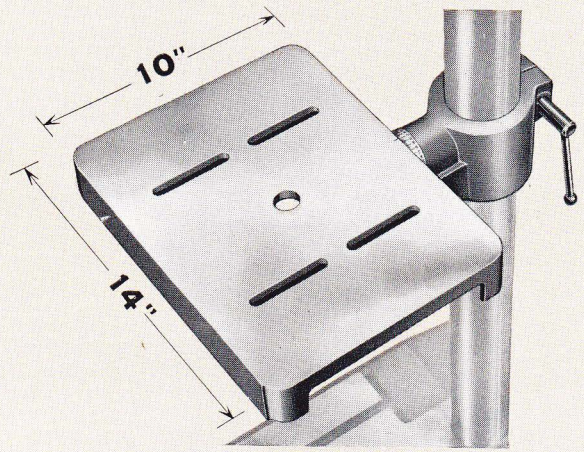
KEY CHUCK has threaded collar that locks it to spindle — can't fall off.

DEPTH STOP is accurate, positive. Easy to set — merely position to depth desired and lock in place. .005" graduations for accurate settings, stop pad is machined.



HEAVY-DUTY QUILL-RETURN

One-inch wide clock-steel return spring, housed in cast-aluminum cap, is easy to tension — lifts over 20 pounds! Neoprene "O" ring cushions quill return.

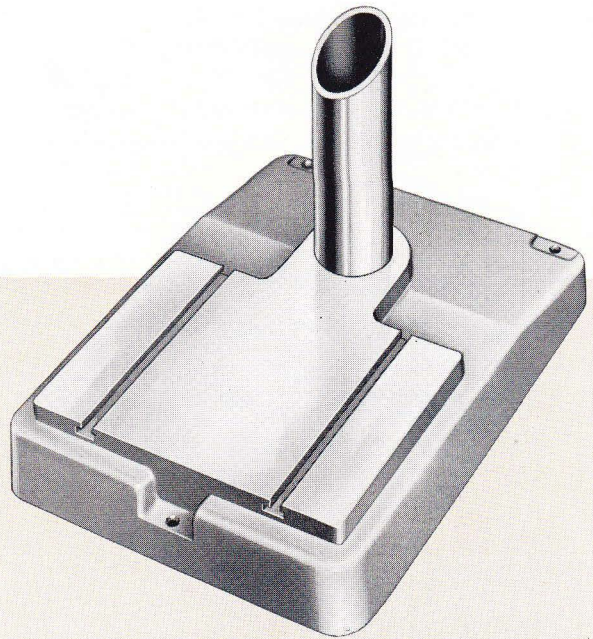


FULL TILTING TABLE

The big 10" x 14" precision ground table tilts to any angle right or left. Index pin locates horizontal, 45° and 90° positions. Angle of tilt is shown on graduated scale. Slots and side ledges simplify clamping work. Front and rear edges are machined.

BIG 3" COLUMN

The ground steel column — 3-inch diameter — assures greater rigidity and accuracy. Large, quick-action steel coordinate locks anchor head to column.



MASSIVE BASE

The 66 pound casting, measuring 22" x 15" x 4", is a solid foundation for the machine. And its ground 10" x 13" working surface, with two parallel T-slots, provides accurate support for large, heavy jobs.

SPECIFICATIONS

- Drill to center of circle 15" dia.
- Spindle travel 4³/₄"
- Spindle ... No. 2 Morse Taper, or No. 33 for 1/2" chuck
- Column dia. 3"
- Quill dia. 2"
- Speeds:
 - Variable drills Infinite 500 to 4500
 - Five speed drills 410, 850, 1590, 2850, 5380
- Spindle to table, max.
 - Bench drills 14¹/₄"
 - Floor drills 41³/₄"
- Spindle to base, max.
 - Bench drills 19⁵/₈"
 - Floor drills 47¹/₈"
- Table size 10" x 14"
- Table slots four, 9/16" x 2-9/16"
- Base working surface 10" x 13"
- Base T-slots two, 10" long for 1/2" T-bolts
- Bearings:
 - Variable speed drills 6 lubricated-for-life ball
 - Five-step pulley drills 4 lubricated-for-life ball
- Motors recommended:
 - Variable speed drills 3/4 HP
 - Five speed drills 1/2 or 3/4 HP
- Shipping weights:
 - Bench, with motor 285 lbs.
 - Floor, with motor 310 lbs.

FURNISHED, ALL MODELS: variable or 5-speed drive; 1/2" Key chuck or No. 2 MT spindle; push-button safety switch; belt guard; 3-spoke feed wheel; column collar.

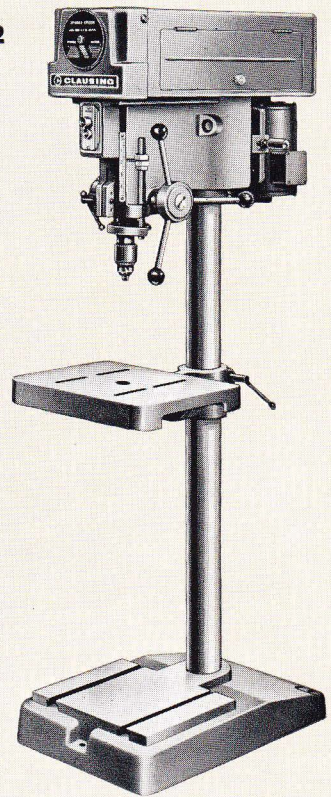
READY-TO-RUN MODELS: motors and switches are installed and wired, ready to connect to current. Single phase motors have 10' cord and plug. Motors furnished—
 Single phase, capacitor start .. 1/2 or 3/4 HP, 1725 RPM, 115/230 V, 60 C, ball bearing equipped
 Three phase 1/2 or 3/4 HP, 1425/1725 RPM, 208/220/440 V, 50/60 C, ball bearing equipped
Other voltages and cycles — price on application.

variable-speed drill presses

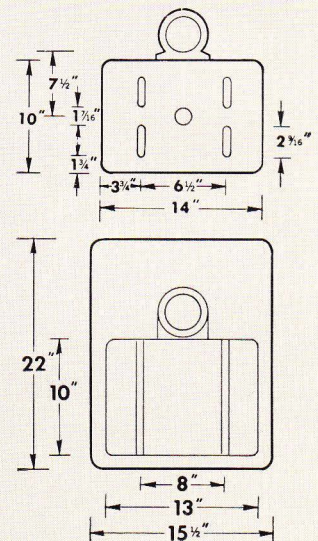
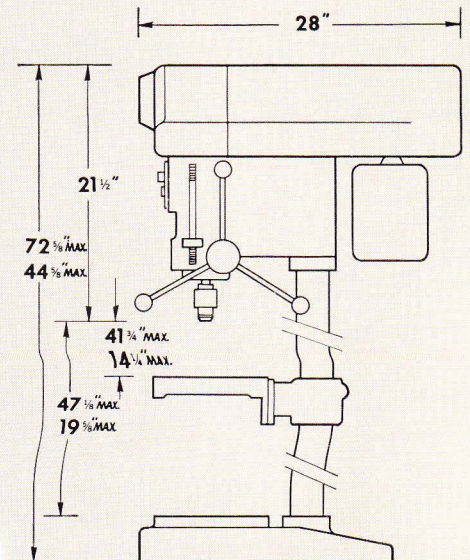
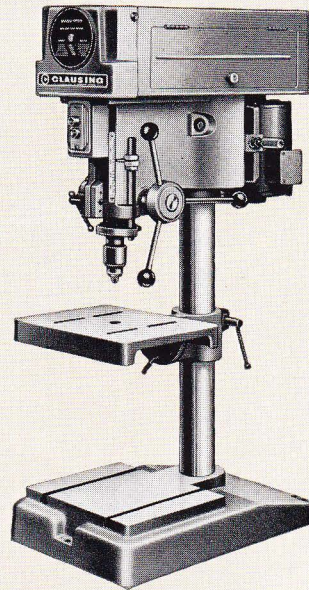
1/2" Key Chuck		No. 2 Morse Taper		MOTOR FURNISHED
BENCH	FLOOR	BENCH	FLOOR	
1660	1670	1662	1672	3/4 hp, single phase 3/4 hp, three phase
1661	1671	1663	1673	
5-speed drill presses				
1621	1641	1626	1646	1/2 hp, single phase
1622	1642	1627	1647	3/4 hp, single phase
1623	1643	1628	1648	1/2 hp, three phase
1624	1644	1629	1649	3/4 hp, three phase
1620	1640	1625	1645	* without motor

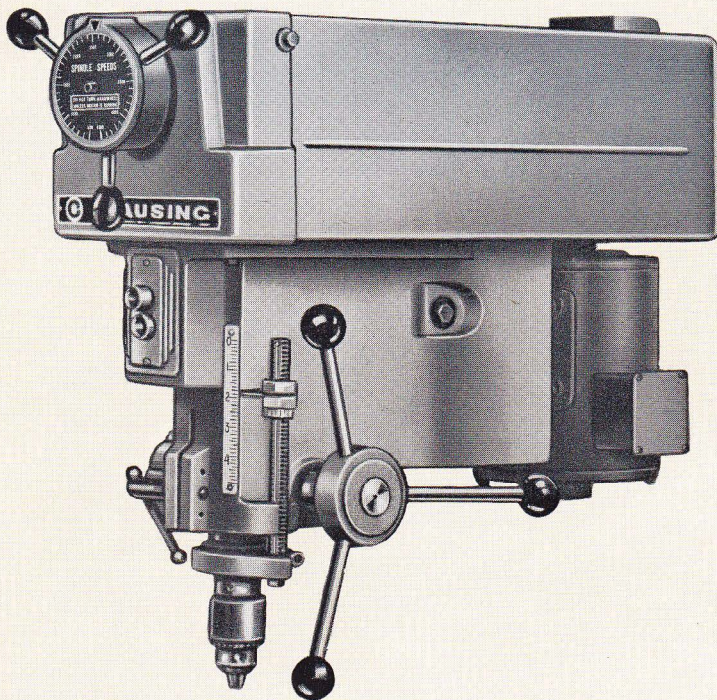
* Single phase switch installed and wired.

No. 1642



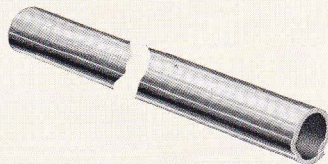
No. 1622





COLUMNS

No. 1693 COLUMN. 37" x 3". 20 lb.
 No. 1694 COLUMN. 65" x 3". 37 lb.



MOUNTING FLANGE

No. 1695 COLUMN MOUNTING FLANGE. 5 1/2" x 5" x 4 1/2" high. Has four holes for 3/8" bolts. 17 lb.

15" drill press heads

The superior performance of Clausing heavy duty heads offers unlimited opportunities for efficient production drilling, at low cost. Dimensional data sheets for your engineers available on request.

SPECIFICATIONS

Drill to center of circle 15"
 Spindle travel 4 3/4"
 Quill diameter 2"
 Speeds: Variable speed drive . . . Infinite, 500 to 4500
 Five speed drive . . 410, 850, 1590, 2850, 5380
 Shipping weights: Variable speed models 210 lbs.
 Five speed models 175 lbs.

variable speed drill heads

1/2" Key Chuck	No. 2 Morse Taper	MOTOR FURNISHED
1665	1667	3/4 hp, single phase
1666	1668	3/4 hp, three phase

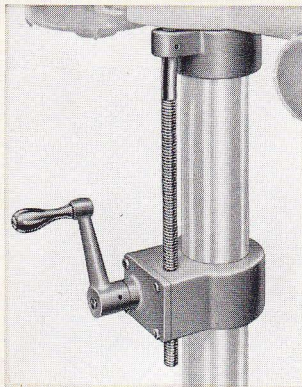
5-speed drill heads

1631	1636	1/2 hp, single phase
1632	1637	3/4 hp, single phase
1633	1638	1/2 hp, three phase
1634	1639	3/4 hp, three phase
1630	1635	* Without motor

* Single phase switch installed and wired.

MOTORS, where furnished, are installed, wired to switch, ready to connect to current. Single phase motors have 10' cord and plug.

FURNISHED, ALL MODELS: variable, or 5-speed drive; 1/2" key chuck or No. 2 MT spindle; push-button safety switch; belt guard; 3-spoke feed wheel.

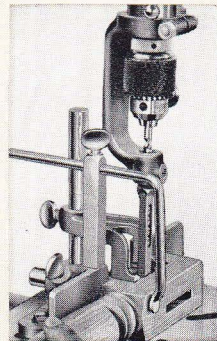


HEAD OR TABLE POSITIONING ATTACHMENT

No. 1613 POSITIONING MECHANISM. For use with head or table of floor models — head only of bench drills. One revolution of crank gives 1/8" travel — maximum travel at one setting is 10". Easily installed. Has hardened gears, two ball thrust bearings. 16 lbs.

MORTISING ATTACHMENT

No. 1612 MORTISING ATTACHMENT. For securely positioning and holding stock. Furnished, hold-down, fence and chisel socket. 10 lbs.



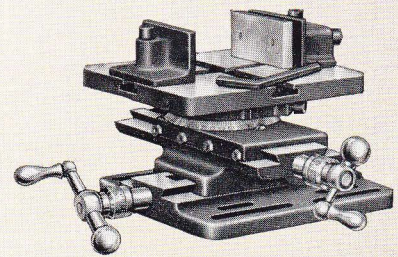
CHISELS

No.	Size	Mortise Depth	Weight
MC-25	1/4" x 1/4"	1 7/8"	1 1/2 oz.
MC-37	3/8" x 3/8"	2 1/2"	2 oz.
MC-50	1/2" x 1/2"	3 1/4"	3 oz.

CHISEL BITS



No.	Size	Diameter Shank	Weight
MB-25	1/4"	3/16"	1/2 oz.
MB-37	3/8"	19/64"	1 oz.
MB-50	1/2"	19/64"	2 oz.

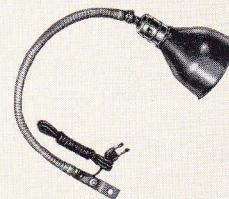


UNIVERSAL COMPOUND VISE

No. 1614 For accurate indexing, layout, hole spacing, and light milling. Upper table can be rotated to any angle and locked. One jaw swivels for irregular work. 30 lbs.

SPECIFICATIONS

Cross feed travel (lower), 6"; transverse feed, 5"; 8" x 8" base; 7" x 7" table; jaws, 3" wide, 1 3/8" high, open 4 3/8"; base to table, 4 3/4".



DRILL PRESS LAMP

No. 1238 Has flexible cable, 6' rubber cord and plug, push-through switch, mounting bracket. 2 lbs.



DIV. ATLAS PRESS CO., KALAMAZOO, MICH.