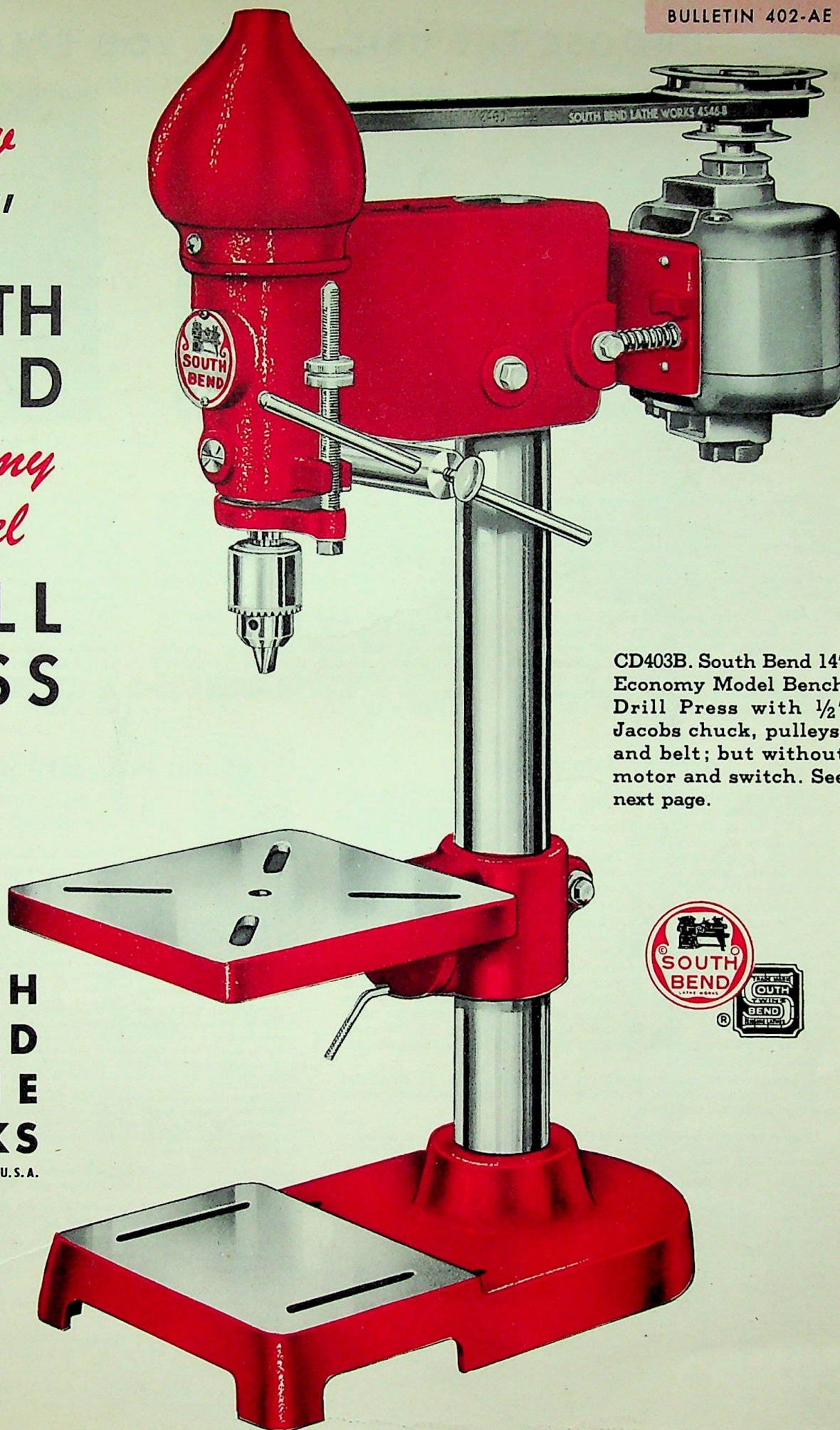


New
14"
SOUTH
BEND
Economy
Model
DRILL
PRESS

SOUTH
BEND
LATHE
WORKS

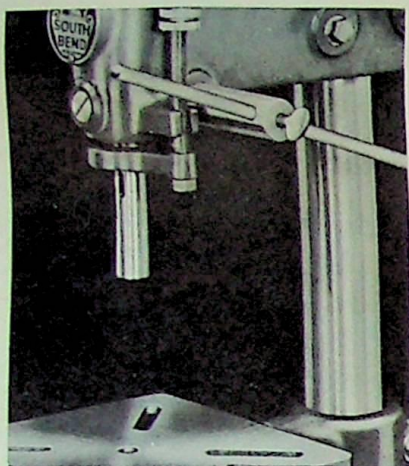
SOUTH BEND 22, IND., U. S. A.



CD403B. South Bend 14" Economy Model Bench Drill Press with 1/2" Jacobs chuck, pulleys, and belt; but without motor and switch. See next page.



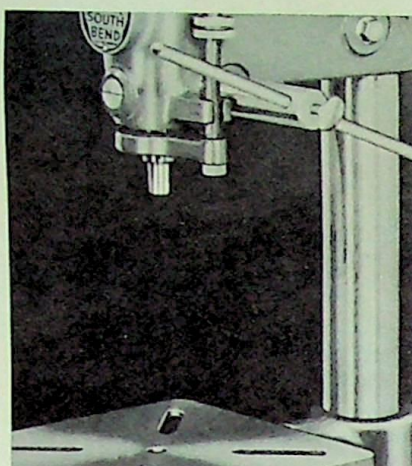
CHOOSE THE DRILL PRESS YOU PREFER



DRILL PRESS WITH NO. 2 MORSE TAPER SPINDLE

CD402B. South Bend Economy Model 14" Bench Drill Press with No. 2 Morse taper spindle. Takes drills or other tools with No. 2 Morse taper shanks. Equipment includes motor pulley and belt, but does not include motor and switch. Shipping weight crated 154 lbs., boxed 245 lbs. Size of box 16" x 37" x 12".

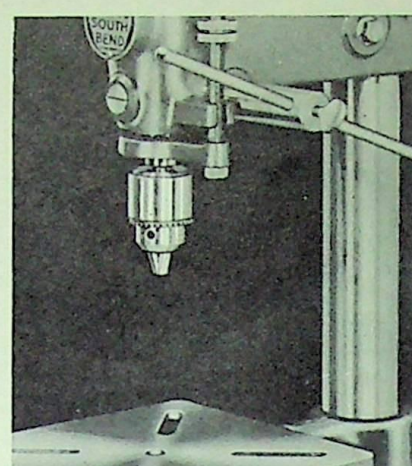
CD402F. South Bend Economy Model 14" Floor Drill Press with No. 2 Morse taper spindle. Takes drills or other tools with No. 2 Morse taper shanks. Equipment includes motor pulley and belt, but does not include motor and switch. Shipping weight crated 197 lbs., boxed 285 lbs. Size of box 16" x 67" x 12".



DRILL PRESS WITH TAPER SPINDLE FOR DRILL CHUCK

CD401B. South Bend Economy Model 14" Bench Drill Press with short taper for No. 34 Jacobs 1/2" drill chuck. Equipment includes motor pulley and belt, but does not include drill chuck, motor and switch. Shipping weight crated 154 lbs., boxed 245 lbs. Size of box 16" x 37" x 12".

CD401F. South Bend Economy Model 14" Floor Drill Press with short taper for No. 34 Jacobs 1/2" drill chuck. Equipment includes motor pulley and belt, but does not include drill chuck, motor and switch. Shipping weight crated 197 lbs., boxed 285 lbs. Size of box 16" x 67" x 12".



DRILL PRESS WITH JACOBS DRILL CHUCK

CD403B. South Bend Economy Model 14" Bench Drill Press with 0 to 1/2" capacity drill chuck our Cat. No. CE1201 (Jacobs No. 34). Equipment includes motor pulley and belt, but does not include motor and switch. Shipping weight crated 154 lbs., boxed 245 lbs. Size of box 16" x 37" x 12".

CD403F. South Bend Economy Model 14" Floor Drill Press with 0 to 1/2" capacity drill chuck our Cat. No. CE1201 (Jacobs No. 34). Equipment includes motor pulley and belt, but does not include motor and switch. Shipping weight crated 197 lbs., boxed 285 lbs. Size of box 16" x 67" x 12".

MOTORS AND CONTROLS

Motors and controls listed below are recommended for use with the South Bend Economy 14" Drill Press. These are all vertical mounting ball-bearing motors with the exception of No. CE3256B, which is a sleeve bearing motor. All single phase motors are capacitor type with the exception of No. CE3256B, which is split phase.

Prices of motors do not include controls, switches, or wiring, which are listed in column at right. Remote control equipment for two and three phase motors listed in table below is optional. Remote control equipment includes overload protection, eight feet of Neoprene covered 3-wire No. 16 lead in cable, necessary wire for connecting motor with control, and step down transformers and relays which reduce the current to the operating switch to 110 volts, but does not include wiring for drill press head or operating switches. Wiring kit No. CE9107 is required with remote control equipment.

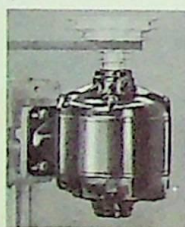
Approximate shipping weights: 1/3 h.p. motor 40 lbs., 1/2 h.p. motor 50 lbs., remote control 19 lbs. Prices of motors and control equipment will be quoted on request.

Motors for South Bend Economy 14" Drill Presses

Cat. No.	H.P.	Current	Volts	Phase	Cycle
CE3256B	1/3	A.C.	115	1	60
CE4910B	1/3	A.C.	115	1	60
CE4910D	1/3	A.C.	230	1	60
CE4911A	1/3	A.C.	115	1	50
CE4911C	1/3	A.C.	230	1	50
CE4912D	1/3	A.C.	220	3	60
CE4912C	1/3	A.C.	220	3	50
CE4913F	1/3	A.C.	440	3	60
CE4913E	1/3	A.C.	440	3	50
CE4920B	1/2	A.C.	115	1	60
CE4920D	1/2	A.C.	230	1	60
CE4921A	1/2	A.C.	115	1	50
CE4921C	1/2	A.C.	230	1	50
CE4922Y	1/2	A.C.	115	1	40
CE4922Z	1/2	A.C.	230	1	40
CE4924D	1/2	A.C.	220	3	60
CE4924C	1/2	A.C.	220	3	50
CE4924F	1/2	A.C.	440	3	60
CE4924E	1/2	A.C.	440	3	50
CE4930	1/2	D.C.	115	..	..
CE4931	1/2	D.C.	230	..	..

Remote Control

Cat. No.
CE4909F
CE4909E
CE4909F
CE4909E
CE4909F
CE4909E
CE4909F



DRILL PRESS HEAD WIRING KITS*

Equip Your Drill Press With Work Light and Motor Switch

All heads for South Bend Economy Model Drill Presses are cored and drilled to receive the wiring kits listed below.

CE9105. Toggle Switch Wiring Kit for single phase or D.C. motors up to 250 volts. Includes eight feet of Neoprene covered No. 16 two wire lead in cable, toggle switch and wire for motor, toggle switch and wire for lamp, receptacle for standard base lamp bulb, clip, wiring instructions, and escutcheon plate with pins for mounting switches in Drill Press Head. Shipping weight 1 1/4 lbs.

Press Head. Shipping weight 1 1/4 lbs.

CE9106. Push Button Switch Wiring Kit for two or three phase motors up to 575 volts. Includes eight feet of Neoprene covered No. 16 three wire lead in cable, across-the-line push button switch and wire for motor, toggle switch and wire for lamp up to 250 volts, eight feet of No. 16 two wire Neoprene covered lead in cable and plug for lamp, receptacle for standard base lamp bulb, clip, wiring instructions, and box for mounting switches in drill press head. Shipping weight 3 lbs.

CE9107. Toggle Switch Wiring Kit for use with remote controls CE4909E and CE4909F. Includes toggle switch and wire for operating motor through remote control, toggle switch and wire for 115 volt lamp, receptacle for standard base lamp bulb, clip, wiring instructions, and escutcheon plate with pins for mounting switches in drill press head.

CE3655. Feed-through Cord Switch for insertion in extension cord for 115V. to 230 V. single phase or D.C. motors only. Shipping weight 1/4 lb.

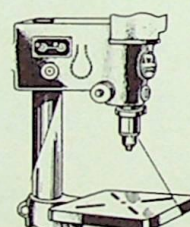
CE3658. Extension Cord for motor. Neoprene covered No. 16 two wire cord with plug attached, length six feet. For single phase or D.C. motors only. Ship. wt. 1/2 lb.

CE3659. Extension Cord for motor. Neoprene covered No. 16 two wire cord with plug attached, length eight feet. For single phase or D.C. motors only. Shipping weight 3/4 lb.

CE3660. Extension Cord. Neoprene covered No. 16 three wire cord (one wire used for grounding) with plug attached, length six feet. For single phase or D.C. motors only. Shipping weight 1 lb.

CE3661. Extension Cord. Neoprene covered No. 16 three wire cord (one wire used for grounding) with plug attached, length eight feet. For single phase or D.C. motors only. Shipping weight 1 lb.

*No wiring is installed in South Bend Economy Drill Presses at the factory. For those who prefer to have wiring installed at the factory we recommend the South Bend Precision Drill Press.



SPECIFICATIONS OF BENCH AND FLOOR DRILL PRESSES

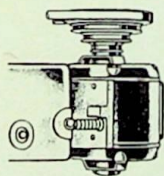
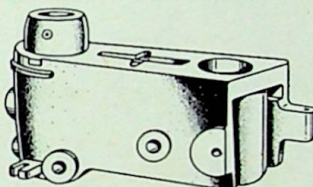
Maximum drill size in iron or steel.....	1/2"
Drills to center of.....	14 1/4" Circle
Net weight, bench type, less motor and chuck.....	124 lbs.
Net weight, floor type, less motor and chuck.....	156 lbs.
Chuck capacity.....	0 to 1/2"
Approximate spindle speeds, four, r.p.m.....	740 to 4070
Spindle travel, maximum.....	4"
Spindle run out, maximum.....	.005"
Spindle, square with table within.....	.0075" in 5"
Chuck to base, maximum, bench model.....	16 11/16"
Chuck to base, maximum, floor model.....	46 5/16"
Chuck to table, maximum, bench model.....	11 1/16"
Chuck to table, maximum, floor model.....	40 5/16"
Base, work surface, bench model.....	7" x 10"
Base, work surface (not machined) floor model.....	8" x 12"
Table, work surface.....	10" x 10"
Table tilt.....	Any angle
Column diameter.....	2 3/4"
Motor, size recommended.....	1/3 or 1/2 h.p.
Motor, speed recommended.....	1725 r.p.m.

*For those who require greater accuracy we recommend our 14" Precision Drill Press on which these specifications are held to .002". Write for Catalog 400.

FEATURES OF BENCH AND FLOOR DRILL PRESSES

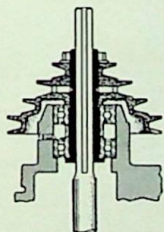
ONE-PIECE HEAD CASTING

Insures accurate alignment. Heavy, rigid construction. Double-plug binder locks the head to column. Column bearing is NOT split.



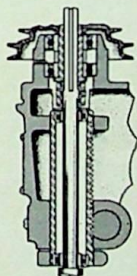
AUTOMATIC BELT TENSION

Coil spring permits releasing tension from belt for easy speed changes. Proper tension for belt is maintained automatically.



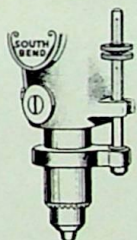
FREE-FLOATING SPINDLE

Design prevents misalignment, side thrust and whip. Six splines in spindle and drive sleeve.



FOUR PRECISION BALL BEARINGS

Two on spindle, two on drive sleeve. Pre-lubricated and sealed precision type, no oiling required.



DEPTH GAUGE

Controls feed depth, adjustable for any depth of feed up to 4". Graduations read in sixteenths.

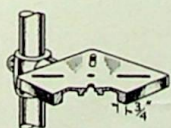


TABLE HAS WIDE CLAMPING RIB

Heavy rib 3/4" wide strengthens table and provides flat surface underneath for clamping work securely to table.

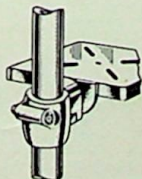


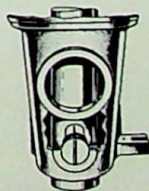
TABLE LOCK

Double-plug binder securely locks table to column. Eliminates misalignment. Column bearing is NOT split.



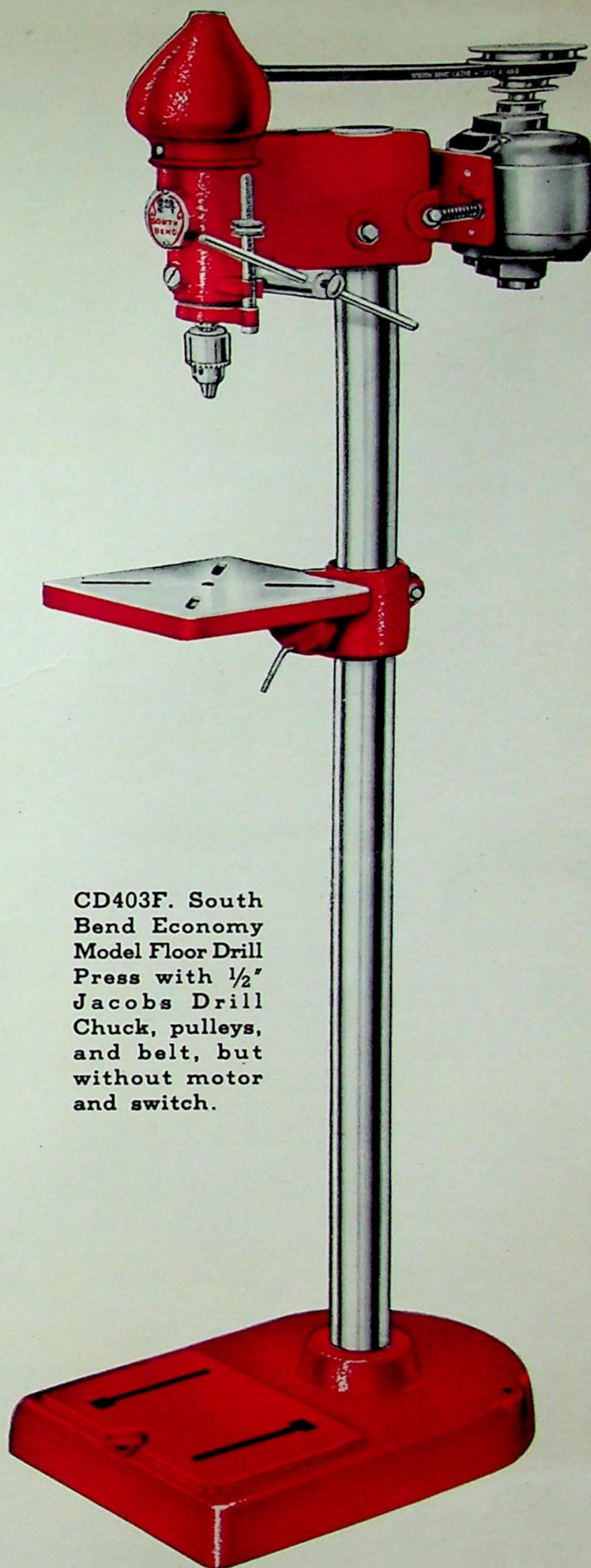
ADJUSTABLE QUILL RETURN SPRING

Retracts quill instantly upon release of feed lever. Tension of spring is adjustable.



QUILL BEARING ADJUSTMENT

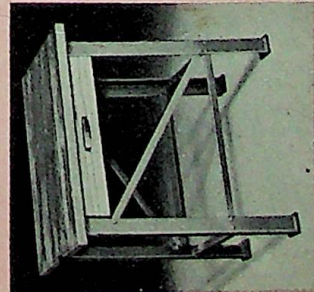
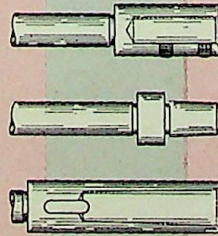
Take-up screw provides tension adjustment and secure locking. Quill bearing is NOT split.



CD403F. South Bend Economy Model Floor Drill Press with 1/2" Jacobs Drill Chuck, pulleys, and belt, but without motor and switch.

Extras

FOR SOUTH BEND 14" ECONOMY MODEL DRILL PRESS



MULTI-SPEED ATTACHMENT

Provides twelve spindle speeds 380 to 7,770 r.p.m. when used with 1725 r.p.m. motor. Cannot be used with split phase motor No. CE3256B. Includes eccentric spindle, 4-step cone pulley and two V-belts. Shipping weight 8 lbs.

CD9135A. For $\frac{1}{2}$ h.p. motor.
CD9135B. For $\frac{1}{2}$ h.p. motor.

BALANCED PULLEYS

Accurately machined and balanced spindle and motor pulleys for smooth operation at high speeds. Recommended for use with Multi-Speed Attachment. Specify diameter of motor shaft when ordering. Shipping weight 8½ lbs.

CE9133. With drill press in lieu of regular pulleys.
CE9134. Pulleys separate from drill press.

SWIVEL VISE

CE9100. For holding work on drill press table, milling machine, etc. Jaws are 4" wide, 1" deep. Maximum jaw opening is 4". Shipping weight 18 lbs.

DRILL CHUCK

CE1201. Jacobs $\frac{1}{2}$ " drill chuck (less arbor). Shipping weight 2¾ lbs.
CE9110. No. 2 Morse taper shank arbor for chuck. Shipping weight ¾ lb.

BELT GUARD

Provides complete enclosure for V-belt. Back section of guard is hinged and may be raised for changing spindle speeds. May be used with Multi-Speed Attachment. Ship. wt. 50 lbs.

CD9137. With drill press in lieu of regular guard.
CD9138. Separate from drill press.

EXTRA SPINDLES

CD9125. Spindle with No. 2 Morse taper hole for holding taper shank tools. Drift included. Ship. wt. 3 lbs.
CD9126. Utility spindle with $\frac{1}{2}$ " x $1\frac{1}{2}$ " deep straight hole for holding routing tools, etc. Ship. wt. 3 lbs.
CD9127. Spindle with short taper for $\frac{1}{2}$ " Drill Chuck, our Cat. No. CE1201 (Jacobs No. 34). Ship. wt. 2 lbs.

TABLE SUPPORT RING

CE9140. Permits table clamp to be released without danger of table dropping down. Ship. wt. 1½ lbs.

TABLE ELEVATING SCREW

CE9130. Provides 4" vertical adjustment of table without resetting. Not illustrated. Ship. wt. 10 lbs.

HEAD ELEVATING SCREW

CE9131. Provides 4" vertical adjustment of head without resetting. Not illustrated. Ship. wt. 10 lbs.

DRILL PRESS BENCH

CE9141. Heavily constructed angle steel bench with 20" x 32" glued wood top $1\frac{1}{16}$ " thick. Bench top is 29¾" high. Does not include drawer. Shipping weight 52 lbs.
CE1780D. Drawer for above bench, 20½" wide, 14" long, 3¾" deep. Ship. wt. 9 lbs.

MORTISING ATTACHMENT

Converts any South Bend 14" Drill Press equipped with a $\frac{1}{2}$ " drill chuck into an efficient mortising machine. Base clamps to the table and the fence adjusts on two steel posts. Guide arms are separately adjustable. A forked work hold down also adjusts on a vertical steel post. Capacity under work hold down, 5½" x 1½" capacity guide rods to fence, 4½"

CE9151. Mortising Attachment Fence Assembly.

Shipping weight 10 lbs.

CD9152. Mortising Chisel Holder.

Shipping weight 3 lbs.

CE9153. $\frac{1}{4}$ " Mortising Chisel and Bit.

Shipping weight ½ lb.

CE9154. $\frac{3}{8}$ " Mortising Chisel and Bit.

Shipping weight ¾ lb.

CE9155. $\frac{1}{2}$ " Mortising Chisel and Bit.

Shipping weight 1 lb.

TAPPING ATTACHMENT

Jarvis Torquomatic Tapping Heads convert South Bend 14" Drill Presses into high speed, highly accurate tapping machines. Automatic reverse speed is twice forward speed. Made in both quill mounting and No. 2 Morse taper shank types.

CE9145. Tapping head No. 0 to No. 10 tap capacity, with No. 2 Morse taper arbor. Ship. wt. 6 lbs.

CE9146. Tapping head No. 10 to 5/16" tap capacity, with No. 2 Morse taper arbor. Ship. wt. 7½ lbs.

CD9147. Tapping head No. 0 to No. 10 tap capacity, quill mounting. Shipping weight 6 lbs.

CD9148. Tapping head No. 10 to 5/16" tap capacity, quill mounting. Shipping weight 7½ lbs.

LUBRICATING OIL

A high quality machine oil for lubricating drill presses and other machine tools. Cannot be shipped by mail. CE1603. One quart. Shipping weight 3 lbs.

CE1906. Case of 12 qts. Shipping weight 31 lbs.

DRILL PRESS COVER

CE2693. Durable plastic service cover for protecting drill press from dust, moisture, etc., when not in use. Shipping weight ¾ lb.

SOUTH BEND TWIST DRILL SETS

Drills are made of high quality, high speed steel, properly heat-treated for maximum strength and durability. Each drill is carefully finished and ground, coated with rust resisting compound, stamped indicating its size, and packed in conveniently indexed steel cases. These drills are sold only in sets as listed below.

Catalog Number	Description	Shipping Weight
6129	Set of 29 drills, fractional sizes, 1/16" to 1/2" by 64ths, inclusive, in metal case.	5 lbs.
6113	Set of 13 drills, fractional sizes, 1/16" to 1/4" by 64ths, inclusive, in metal case.	1 lb.
6121	Set of 21 drills, fractional sizes, 1/16" to 3/8" by 64ths, inclusive, in metal case.	3 lbs.
6115	Set of 15 drills, fractional sizes, 1/16" to 1/2" by 32nds, inclusive, in metal case.	3 lbs.
6260	Set of 60 drills, No. 1 to No. 60, inclusive, in metal case.	2 lbs.
6326	Set of 26 drills, A to Z letter sizes, inclusive, in metal case.	5 lbs.

