

# SOUTH BEND

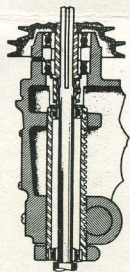
## *Economy Model*

# DRILL PRESSES

### SPECIFICATIONS

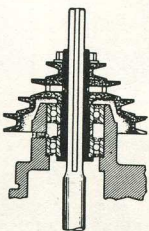
Maximum drill size in iron or steel.....	1/2"
Drills to center of.....	14 1/4" circle
Net weight, bench type, less motor and chuck.....	124 lbs.
Net weight, floor type, less motor and chuck.....	156 lbs.
Chuck capacity.....	0 to 1/2"
Approximate spindle speeds, four, r.p.m.....	740 to 4070
Spindle travel, 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 9/16"
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.

### FEATURES



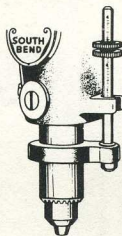
**FOUR PRECISION BALL BEARINGS**

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



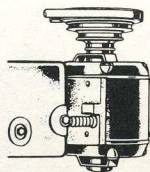
**FREE-FLOATING SPINDLE**

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



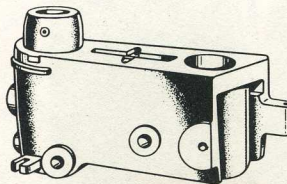
**DEPTH GAUGE**

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



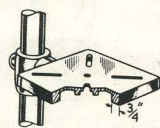
**AUTOMATIC BELT TENSION**

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



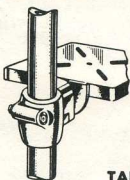
**ONE-PIECE HEAD CASTING**

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



**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.



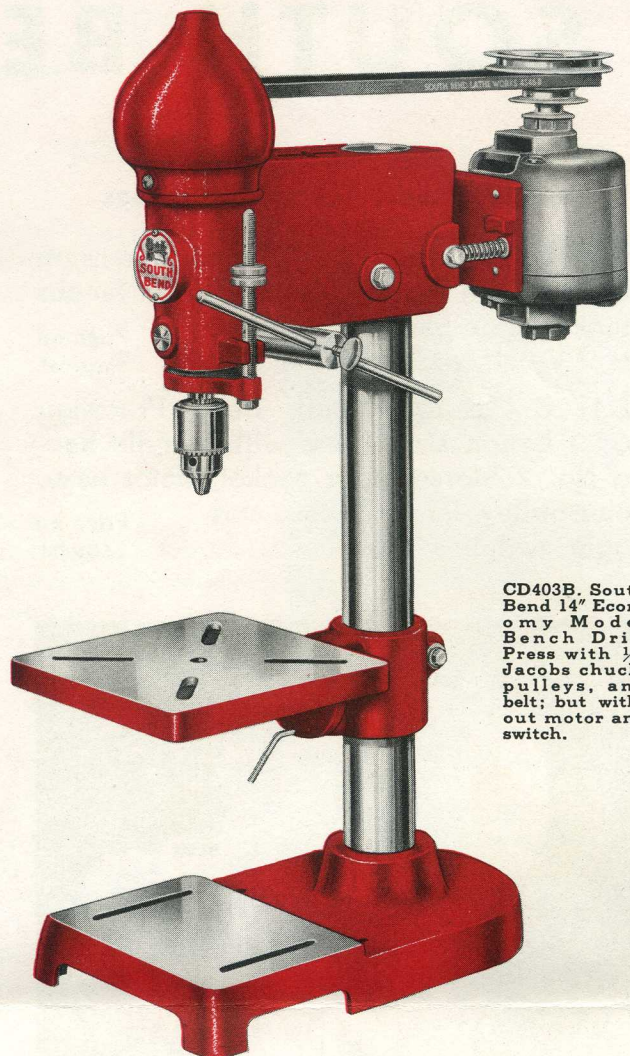
**ADJUSTABLE QUILL RETURN SPRING**

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

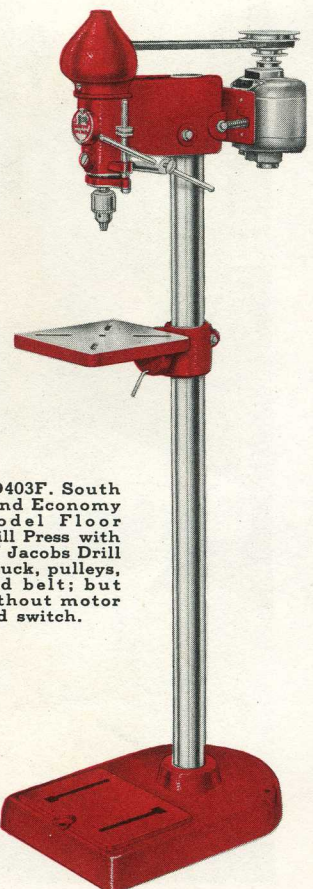


**QUILL BEARING ADJUSTMENT**

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



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



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

### 14" Economy Model Drill Presses

(Less Motors)

CD401B. Economy Model 14" Bench Drill Press with short taper for No. 34 Jacobs 1/2" drill chuck. Price on request

CD401F. Economy Model 14" Floor Drill Press with short taper for No. 34 Jacobs 1/2" drill chuck. Price on request

CD402B. Economy Model 14" Bench Drill Press with No. 2 Morse taper spindle. Price on request

CD402F. Economy Model 14" Floor Drill Press with No. 2 Morse taper spindle. Price on request

CD403B. Economy Model 14" Bench Drill Press with 0 to 1/2" capacity drill chuck. Price on request

CD403F. Economy Model 14" Floor Drill Press with 0 to 1/2" capacity drill chuck. Price on request

CE3256B. Motor for above Drill Presses, 1/3 h.p., A.C., 115 v., 1 ph., 60 cy., split phase. Price on request

CE9105. Toggle Switch Wiring Kit including switch for motor, receptacle for standard base lamp bulb, switch for lamp, and necessary wiring for connecting motor and lamp with switches. Price on request



# SOUTH BEND

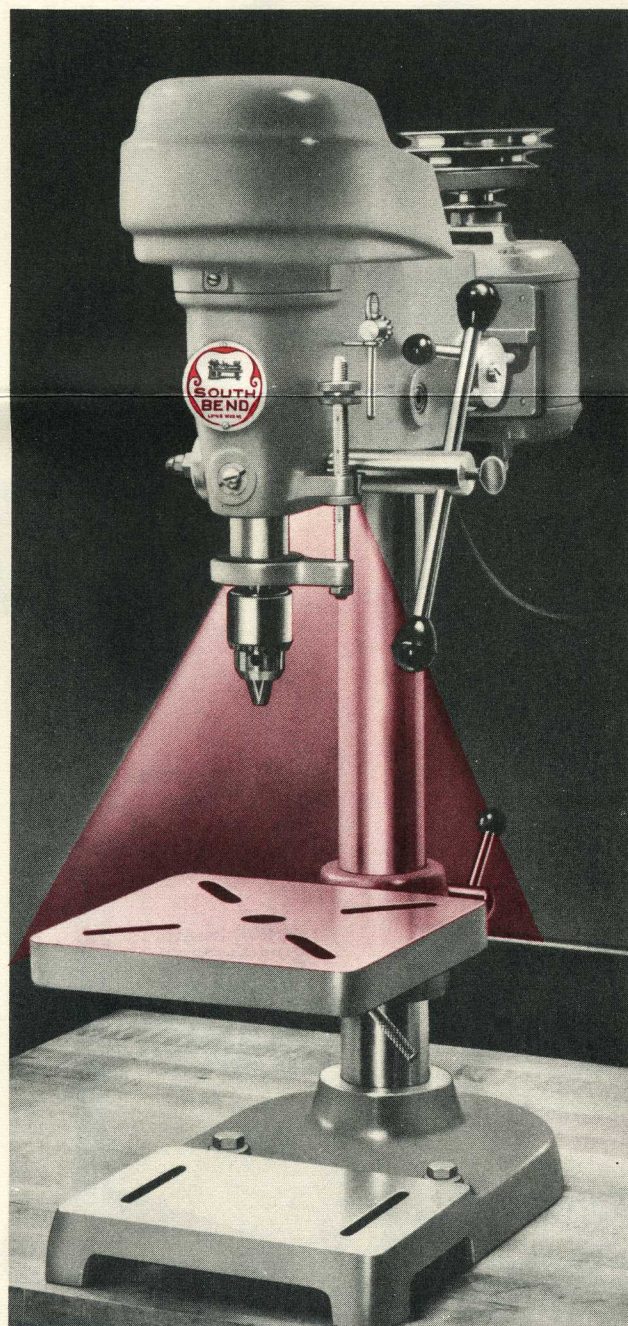
# Precision

## Precision Model Bench Drill Presses

(Less Motors)

**CD400B.** 14-inch South Bend Precision Model Bench Drill Press with  $\frac{1}{2}$ " Jacobs chuck, motor base and pulley, lamp, V-belt, and switches. . . . **Price on request**

**CD414B.** 14-inch South Bend Precision Model Bench Drill Press with spindle having No. 2 Morse taper socket, motor base, motor pulley, lamp, V-belt, and toggle switches. . . . **Price on request**

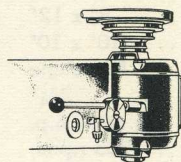


South Bend Precision Model Bench Drill Press

## Specifications

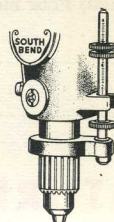
Maximum drill size in iron or steel.....	$\frac{1}{2}$ "
Drills to center of.....	$14\frac{1}{4}$ " circle
Chuck capacity.....	0 to $\frac{1}{2}$ "
Spindle speeds, four, r.p.m.....	740 to 4070
Spindle travel, maximum.....	4"
Chuck to base, maximum, bench model.....	17"
Chuck to base, maximum, floor model.....	$46\frac{1}{2}$ "
Chuck to table, maximum, bench model.....	$11\frac{1}{4}$ "
Chuck to table, maximum, floor model.....	$40\frac{1}{2}$ "
Base, work surface, bench model.....	7" x 10"
Base, work surface, floor model.....	8" x 12"
Table, work surface.....	10" x 10"
Table tilt.....	Any angle
Column diameter.....	$2\frac{3}{4}$ "
Shipping weight with $\frac{1}{3}$ h.p. motor, crated for domestic shipment, bench model (approximate).....	184 lbs.
Shipping weight with $\frac{1}{3}$ h.p. motor, crated for domestic shipment, floor model (approximate).....	224 lbs.
Motor, size recommended.....	$\frac{1}{3}$ or $\frac{1}{2}$ h.p.
Motor, speed recommended.....	1725 r.p.m.

## Features



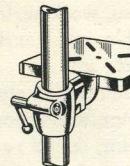
**BELT TENSION RELEASE**

Flip of lever removes tension from belt for easy speed changes. Proper belt tension maintained.



**DEPTH GAUGE**

Controls feed depth, length of return stroke, or locks spindle in any position. 16th graduations.

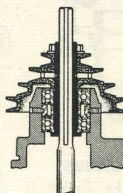


**TABLE LOCK**

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

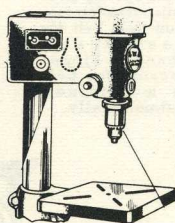
**FREE-FLOATING SPINDLE**

Design prevents misalignment, side thrust and whip. Precision splines in spindle and sleeve. Pulleys for V-belt balanced for smooth operation.



**INTERCHANGEABLE SPINDLES**

Spindles available to take No. 2 Morse taper shank tools, and for  $\frac{1}{2}$ " straight shank tools, router bits, shaper cutters, and other tools.

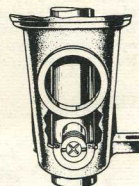


**BUILT-IN LIGHT**

Provides shielded, shadowless illumination on work area. Independent on-off switch is also built-in.

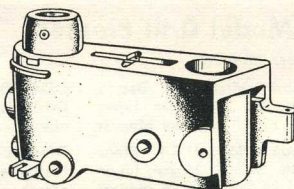
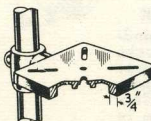
**QUILL BEARING ADJUSTMENT**

Shoe-type take-up provides feather-touch tension and secure locking. Quill bearing is NOT split.



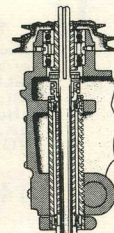
**TABLE HAS WIDE CLAMPING RIB**

Heavy rib  $\frac{3}{4}$ " wide strengthens table and provides flat surface underneath for clamping work securely to table.



**ONE-PIECE HEAD CASTING**

Insures perfect alignment. Double-plug binder locks head to column. Column bearing is NOT split.

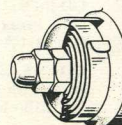


**FOUR PRECISION BALL BEARINGS**

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

**ADJUSTABLE QUILL RETURN SPRING**

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

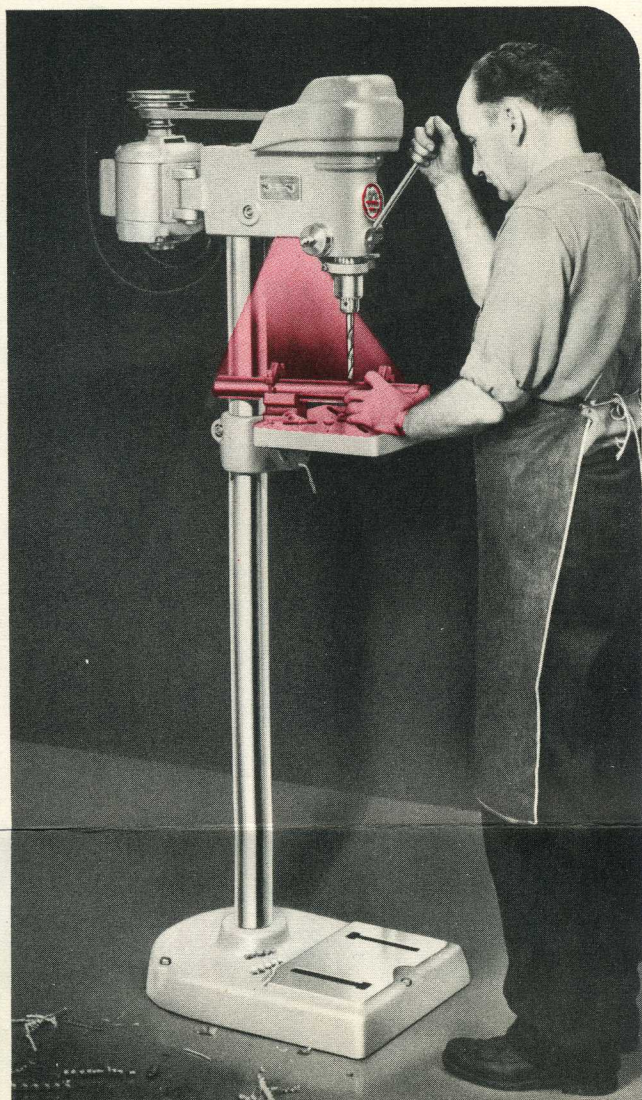


**PULLEYS BALANCED FOR SMOOTH OPERATION**



# MODEL DRILL PRESSES

## PRODUCTION MODEL DRILL PRESSES (Less Motors)



### Precision Model Floor Drill Presses (Less Motors)

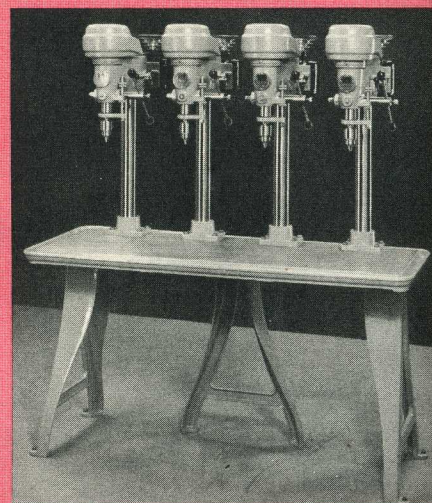
**CD400F.** 14-inch South Bend Precision Model Floor Drill Press with  $\frac{1}{2}$ " Jacobs chuck, motor base, motor pulley, lamp, V-belt, and toggle switches. . . . . **Price on request**

**CD414F.** 14-inch South Bend Precision Model Floor Drill Press with spindle having No. 2 Morse taper socket, motor base, motor pulley, lamp, V-belt, and toggle switches. . . . **Price on request**

### Motors for All Models of Drill Presses

Catalog Number	H.P.	Current	Volts	Phase	Cycle	Price
CE4910B	$\frac{1}{3}$	A.C.	115	1	60	PRICE QUOTED ON REQUEST
CE3256B	$\frac{1}{3}$	A.C.	115	1	60	
CE4910D	$\frac{1}{3}$	A.C.	230	1	60	
CE4912D	$\frac{1}{3}$	A.C.	220	3	60	
CE4913F	$\frac{1}{3}$	A.C.	440	3	60	
CE4920B	$\frac{1}{2}$	A.C.	115	1	60	
CE4920D	$\frac{1}{2}$	A.C.	230	1	60	
CE4924D	$\frac{1}{2}$	A.C.	220	3	60	
CE4924F	$\frac{1}{2}$	A.C.	440	3	60	
CE4930	$\frac{1}{2}$	D.C.	115	..	..	
CE4931	$\frac{1}{2}$	D.C.	230	..	..	

**CD454.** South Bend Four Spindle Floor Drill Press with regular equipment. Table work surface  $13\frac{3}{4}$ " x 55". Overall size of drill press 60" wide, 31" deep, 68" high. . . . **Price on request**



CD454. South Bend Four Spindle Drill Press

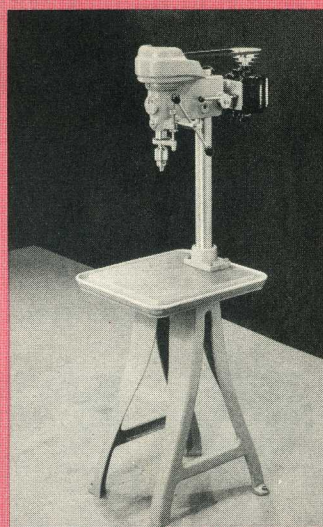
**CD453.** South Bend Three Spindle Floor Drill Press with regular equipment. Table work surface  $13\frac{3}{4}$ " x 55". Overall size of drill press 60" wide, 31" deep, 68" high. . . . **Price on request**



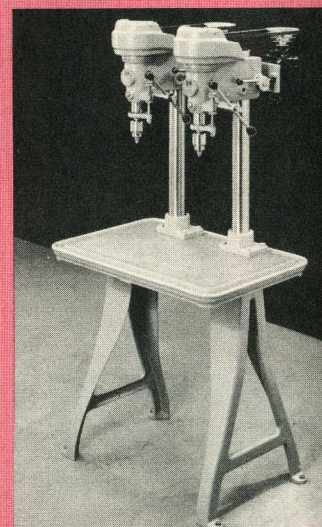
CD453. South Bend Three Spindle Drill Press

**CD452.** South Bend Two Spindle Floor Drill Press with regular equipment. Table work surface  $13\frac{3}{4}$ " x 29". Overall size of drill press  $33\frac{1}{2}$ " wide, 31" deep, 68" high. . . . **Price on request**

**CD451.** South Bend Single Spindle Floor Drill Press with regular equipment. Table work surface  $13\frac{3}{4}$ " x 16". Overall size of drill press  $20\frac{1}{4}$ " wide, 31" deep, 68" high. . . . **Price on request**



CD451. South Bend Single Spindle Drill Press

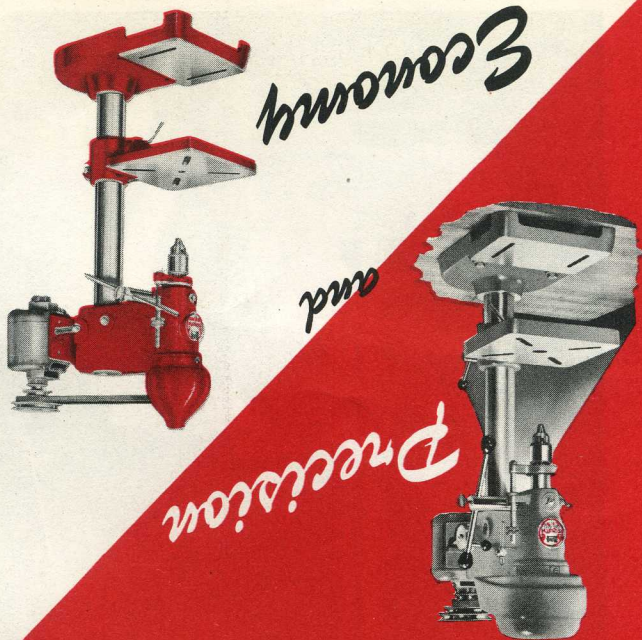


CD452. South Bend Two Spindle Drill Press



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SOUTH BEND LATHE WORKS  
SOUTH BEND 22, INDIANA, U.S.A.

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10 Center View Drive  
Troy, New York

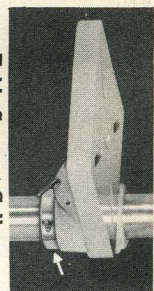


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Swivel Vise

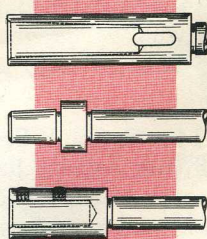


Table Support Collar



## Extra FOR SOUTH BEND DRILL PRESSES

Extra Spindles



### For Either Precision Model or Economy Model Drill Presses

- Multi-Speed Attachment provides twelve spindle speeds 380 to 7,700 r.p.m. when used with 1725 r.p.m. motor. Cannot be used with split phase motor No. CE3256B.
- CD9135A. Multi-Speed Attachment for use with  $\frac{1}{2}$  h.p. motor
- CE9100. Swivel Vise. Hardened steel jaws are 4" wide, 1" deep and open 4"
- CE1201. Drill Chuck, Jacobs  $\frac{1}{2}$ " capacity key type (less arbor)
- CE9110. No. 2 Morse taper shank arbor for above chuck No. CE1201
- CD9125. Extra spindle with No. 2 Morse taper hole, drift included
- CD9126. Utility spindle with  $\frac{1}{2}$ " x  $1\frac{1}{8}$ " deep straight hole
- CD9127. Extra spindle with short taper for  $\frac{1}{2}$ " Drill Chuck No. CE1201
- CE9140. Table Support Ring. Permits table clamp to be released without danger of table dropping down
- CE9130. Table Elevating Screw. Provides 4" vertical adjustment of table
- CE9131. Head Elevating Screw. Provides 4" vertical adjustment of head
- CE9141. Drill Press Bench with 20" x 32" glued wood top  $1\frac{1}{2}$ " thick. Bench top is 29 $\frac{3}{8}$ " high. Price (less drawer)
- CE1780D. Drawer for above bench, 20 $\frac{1}{2}$ " wide, 14" long, 3 $\frac{3}{8}$ " deep
- CE9151. Mortising Attachment Fence Assembly
- CD9152. Mortising Chisel Holder
- CE9153.  $\frac{1}{4}$ " Mortising Chisel and Bit
- CE9154.  $\frac{3}{8}$ " Mortising Chisel and Bit
- CE9155.  $\frac{1}{2}$ " Mortising Chisel and Bit
- CE9145. Tapping Head No. 0 to No. 10 tap capacity with No. 2 Morse taper arbor
- CE9146. Tapping Head No. 10 to  $\frac{5}{16}$ " tap capacity with No. 2 Morse taper arbor
- CD9147. Tapping Head No. 0 to No. 10 tap capacity, quill mounting
- CD9148. Tapping Head No. 10 to  $\frac{5}{16}$ " tap capacity, quill mounting

### For Precision Model Drill Presses Only

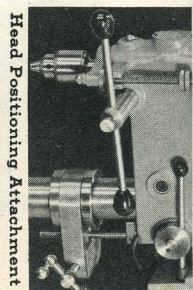
CD9136.

Belt Guard. Provides complete enclosure for V-belt

### For Economy Model Drill Presses Only

- CD9137. Belt Guard. Provides complete enclosure for V-belt
- CD9138. With drill press in lieu of regular guard
- Separate from drill press
- Balanced Pulleys. For a smooth operation at high speeds. Recommended for use with Multi-Speed Attachment
- CE9133. Price per pair with drill press in lieu of regular pulleys
- CE9160. Balanced Spindle Pulley only
- CE9161. Balanced Motor Pulley with  $\frac{1}{8}$ " hole
- CE9162. Balanced Motor Pulley with  $\frac{5}{16}$ " hole
- CE9163. Balanced Motor Pulley with  $\frac{3}{4}$ " hole

PRICES QUOTED ON REQUEST



Head Positioning Attachment

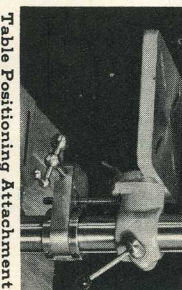
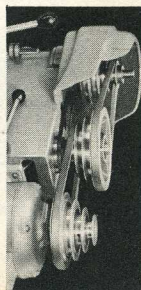


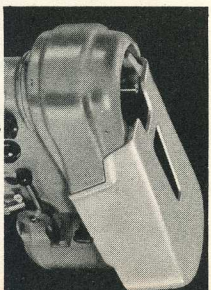
Table Positioning Attachment



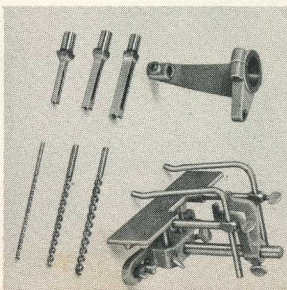
Multi-Speed Attachment



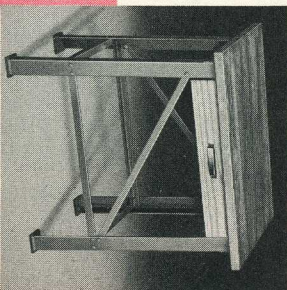
Drill Chuck and Arbor



Belt Guard



Mortising Attachment



Wood Top Bench

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PRICES OF ITEMS IN THIS BULLETIN