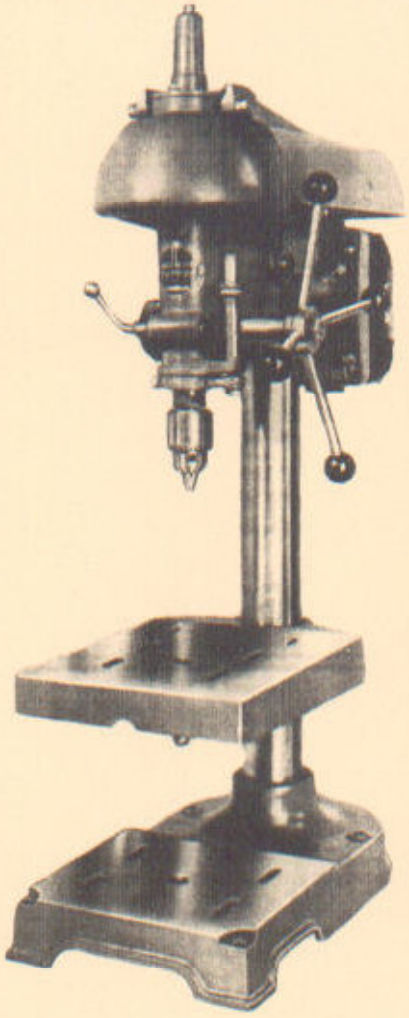
900 SERIES
15 INCH DRILL PRESS
Instruction and Parts Manual



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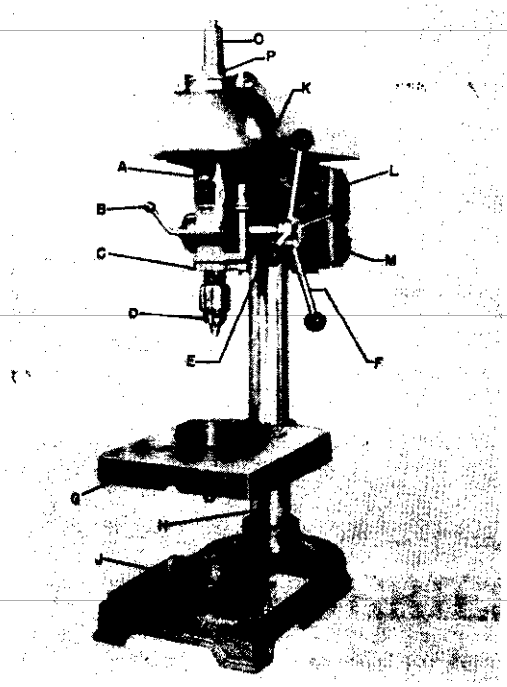
Effective 11-1-50. Subject to change without notice.

"900" SERIES DRILL PRESSES

Keep this in your files for future reference on accessories and service parts.



DESCRIPTION — TERMS

A – Spindle Pulley Housing
B – Quill Lock Handle
C – Depth Gauge Stop Collar
D – Jacobs Key Chuck 0" to 1/2"
E – Feed Pinion
F – Feed Lever
G – 10" x 12 1/2" Ground Table
H – 2 3/4" Ground Steel Column
J – Base 9" x 10" Ground Working Surface
K – Depth Gauge Stop Nuts
L – KAB5E 1/2 H.P. Motor (Accessory)
M – Adjustable Motor Base
O – Spindle Cap
P – Belt Guard Attaches Here

SERIES 900

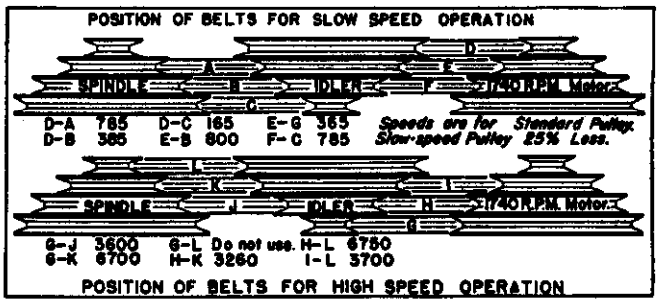
GENERAL INSTRUCTIONS

Motor requirements will be met with a 1/2 H.P. 1740 RPM Motor which will be found satisfactory for all general work. Spindle speeds obtained with this motor and the standard pulley are 600 RPM, 1250 RPM, 2440 RPM and 5000 RPM. When the slower (larger) pulley is used on the drill press, spindle speeds are reduced to the following: 480, 940, 1300 and 2900 RPM.

9D113 SLO-SPEED ATTACHMENT

Still further speed control can be obtained through the use of the 9D113 Slo-Speed attachment. The speeds available with this attachment are shown in the sketch at right. To assemble the 9D113 attachment to the drill press first remove the standard belt by taking out the three 1/4" – 20 x 3/4" cap screws (see key #27, 28, page 2) and lift off spindle cap (key #25). With the spindle fed down, the belt can now be passed over the top of the pulley. Replace the original belt with one of the VB26 belts supplied with 9D113. Insert the pulley support screw (first removing one of the lock nuts #7) into the hole provided in the motor base. The idler pulley is placed between the motor base and the spindle pulley. If the drill press is to be used mostly for slow speed operations, place the VB26 belt between the idler pulley and motor pulley into position first, then place the second belt between the idler and the spindle pulley. However, if the machine is to be used for speeds higher than those available with the belts placed as above, reverse the procedure by placing the belt between the idler pulley and the spindle pulley into position first, following it with the belt between the idler and motor pulley.

Belt tension between the idler and motor pulley is controlled by the two lock nuts #7. The tension on the other is controlled by sliding the motor bracket into or out of the head casting and locking it in the desired position. When the belts are in the high speed position DO NOT USE POSITION G-L as shown in the chart at right. The high speed developed with the belts in this position is not necessary for any operation performed on this machine and may also prove detrimental to bearing life.



LUBRICATION

The drill press spindle and pulley bearing are packed with sufficient lubricant to last for one year of normal operation. Lubricate the pulley spline and the splined spindle with a few drops of good lubricating oil applied through the oil cup on top of the spindle cap. All other moving parts such as feed pinion, return spring, and lock plugs will function better if kept well lubricated.

CHUCKS AND ADAPTERS

The No. 6A Jacobs Chuck supplied with the drill press can be removed and the No. 9MT1 Adapter attached to the spindle in its place permitting the use of No. 1 Morse Taper shank tools. To remove the chuck the Knurled Nut directly above it is screwed down on the chuck forcing it off the taper. When the 9MT1 Adapter is used the nut must be screwed up on the spindle prior to putting the adapter in place. If this is not done it may be difficult to remove the adapter. However, when using the 7D11 Collet Chuck or the 9D5 Adapter the Knurled Nut is placed over the adapter or chuck after it is put on the spindle. In the case of the latter items the nut secures them to the spindle assuring their remaining tight despite the side thrust developed through their use, whereas the 9MT1 Adapter is subjected to a vertical thrust only which tends to increase its hold on the spindle without additional mechanical help.

WALKER-TURNER DIVISION **PLAINFIELD, NEW JERSEY, U.S.A.**
• KEARNEY & TRECKER CORPORATION •
FORM 523-5M PRINTED IN U.S.A.

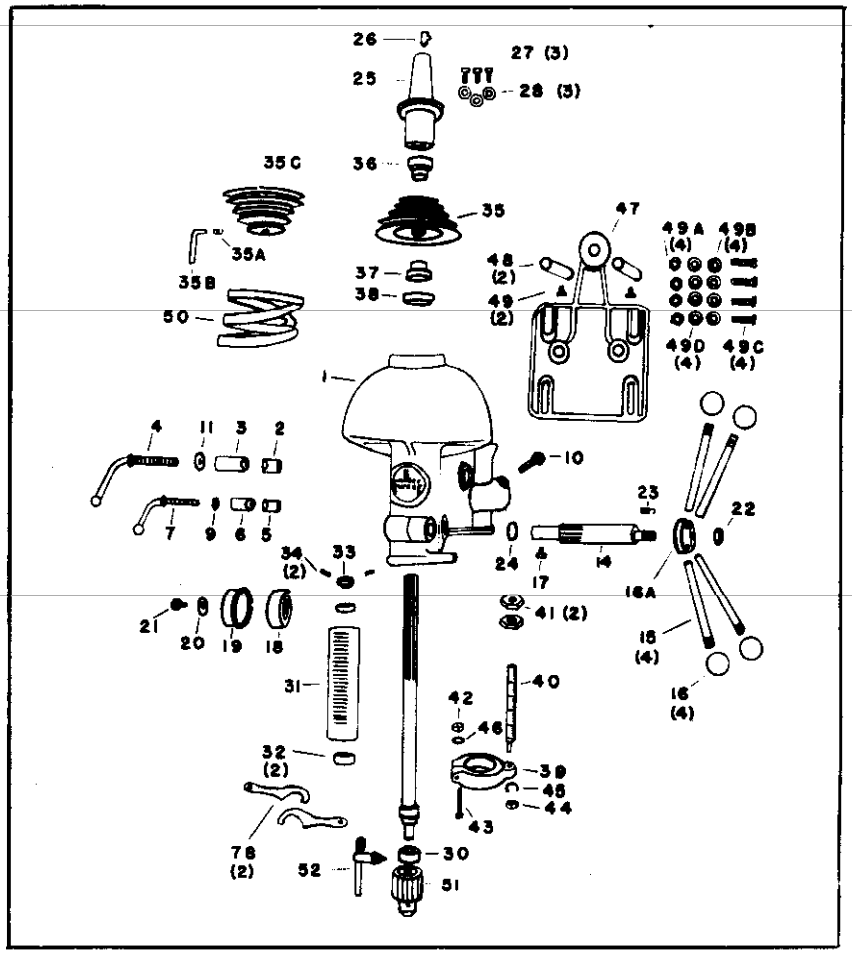
PARTS LISTING

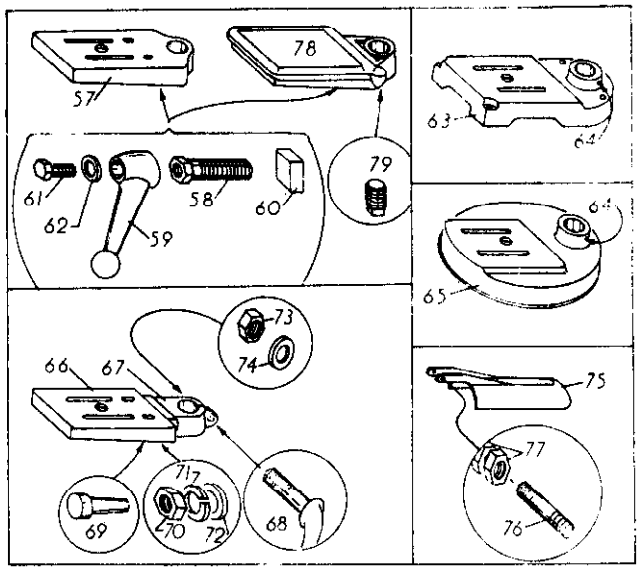
NOTE: These pages are for instruction and repair parts only. They are not packing slips and parts shown are not necessarily included with drills. See General Catalog at date of purchase.

In ordering parts, GIVE: (1) Serial Number (from Machine Name Plate).
(2) Part Number and Name from this listing.
And turn order over to DEALER to fill from warehouse or factory.

There is a minimum charge of $1.00 on all factory orders under that amount.

Key No.	Part No.	Description
	9D13X	HEAD ASSEMBLY Complete.....
	Consists of:	Key Nos. 1 thru 52 on this page only (Specify "standard" or "larger-slower speed" head pulley)
	DDP1NNX	HEAD CASTING
	Consists of:	Complete.....
1	DDP1NN	Head Casting only.....
2	DDP 63	Head locking block (threaded).....
3	DDP 63A	Head Locking Block.....
4	DDP 50	Lock handle (Long).....
5	DDP 54A	Quill Locking Block (threaded).....
6	DDP 54	Quill Locking Block....
7	RD12	Lock Handle.....
9	Comm.	3/8" I.D.x3/4" x 1/16" Flat Washer.....
10	Comm.	1/2"-13x3/4" Hex Bolt..
11	Comm.	1/2" I.D. Flat Washer..
14	DDP8N	FEED PINION.....
	DDP 118X	HAND WHEEL
	Consists of:	ASSEMBLY.....
15	DDP 118	Feed Wheel Handles (4 used).....ea.
16	DDP 122	Handle Knobs (4 used).....ea.
16A	DDP 117N	Feed Wheel Hub.....
17	DDP 43	Spring Catch Pin.....
	DDP 16NX	SPRING and HOUSING
	Consists of:	ASSEMBLY.....
18	DDP 16N	Return Spring.....
19	DDP 40N	Return Spring Housing..
20	LBS 40	Washer.....
21	Comm.	5/16"-18x1/2" Hex Bolt.
22	Comm.	5/8"-18 Hex Jam Nut....
23		3/16"x3/16"x1/2" sq.key
24	RD 39	7/8" x 1 1/8" x 1/32" Fibre Washer.....
*	DDP-52-HX	SPINDLE CAP.....
	Consists of:	
25	DDP 52H	Spindle Cap only.....
26	#316	Gits Bros. Oil Cup.....
27	Comm.	1/4"-20 x 3/4" Hex Cap Screw (3 used)....ea.
28	Comm.	1/4" I.D. Lock Washer (3 used).....ea.
	DDP57XX	QUILL and SPINDLE
	Consists of:	ASSEMBLY.....
29	DDP 57X	Spindle (w/DDP57C collar).....
30	HSD 13B	Adapter Nut.....
31	DDP 9N	Quill.....
32	70336AZ	Ball Bearing (2 used)ea.
33	DDP 55	Bearing Collar.....
34	Comm.	1/4"-20 x 1/4" HH Set Screws (2 used).....
	DDP 6NX	PULLEY ASSEMBLY.....
	Consists of:	
35	DDP 6N	Pulley w/spline insert.
35A		1/4"-20x1/2 Hollow Hd. Set-Screw
35B		1/4" - Allen Wrench
35C	PV 58N	Motor Pulley 5/8" Bore (same size as head pulley)
36	DDP 59T	Ball Bearing (465861)..
37	DDP 59	Ball Bearing (70702)...
38	DDP 153N	LOWER BEARING RETAINER.....
	DDP 6LX	(LARGER-SLOWER) PULLEY
	Consists of:	ASSEMBLY.....
	DDP 6L	Pulley with Spline Insert.....
36	DDP 59T	Ball Bearing (465861).....
37	DDP 59	Ball Bearing (70702).....
39	HSD 9	Depth Gauge Collar.....
40	DDP 79	Depth Gauge.....
41	DDP 73	Knurled Stop Nut (2 used)...ea.
42	Comm.	1/4"-20 Hex Nut.....
43	Comm.	1/4"-20 x 1 3/4" Hex Bolt.....
44	Comm.	3/8"-16 Hex Jam Nut.....
45	Comm.	3/8" I.D. Std. Lock Washer.....
46	Comm.	1/4" I.D. Std. Washer.....
	9D111 (DDP 11X)	MOTOR BRACKET.....
	Consists of:	
47	DDP 111	Table only.....
48	DDP 14N	Table Rods (2 used).....
49	Comm.	5/16"-18 x 3/4" Sq. Hd. Set Screw (2 used).....ea.
49A	Comm.	3/8"-16 Hex Jam Nut (4 used)...
49B	Comm.	10/32" x 13/16" x 1/16" Flat Washer (4 used).....
49C	Comm.	3/8"-16 x 1 1/4" Sq. Hd. Bolt (4 used).....
49D	Comm.	3/8" Light Lock Washer (4 used)
	Comm.	3/8"-16 x 1 1/4" Sq.Hd.Bolt with nut and Washer (4 used for motor).....ea.
50	VB 42	42" V Belt.....
51	6A	0-1/2" Jacobs Chuck with Key...
52	6A1	Key only.....





Key No.	Part No.	Description
53	9D11	COLUMN (Bench Model 30").....ea.
53	9D21	COLUMN (Floor Model 60").....ea.
55	DDP 62NX	COLUMN STOP COLLAR with Screws.....
56	Comm.	1/2"-13 x 5/8" H.H. Set Screw Flat Point (2 used)..... .....ea.

(Continued on Page 3)

*Not Illustrated

Note: Standard commercial (comm.) parts are usually available locally from your machinery, hardware, or mill supply dealer.

Key No.	Part No.	Description
	9D12-32	TILTING TABLE ASSEMBLY.....
	Consists of:	
66	DDP 3A	Table only.....
67	DDP 4N	Bracket with Stud (DP103A)....
68	DDP 50B	Clamp Handle.....
69	HSD 5B	Taper Pin.....
70	Comm.	5/8"-18 Hex Nut.....
71	Comm.	5/8" I.D. Lock Washer.....
72	Comm.	5/8" I.D. Flat Washer.....ea.
73	Comm.	1/2"-13 Hex Nut.....
74	Comm.	1/2" I.D. Flat Washer.....
63	9D10	BASE COMPLETE with Screws.....
		(See Page 2)
64	Comm.	1/2"-13 x 1" Allen Screw (2 used)
65	9D40	ROUND BASE COMPLETE with Screws
		(See Page 2)
64	Comm.	1/2-13 x 1" Allen Screw (2 used)...ea.
	9D125	STANDARD TABLE ASSEMBLY.....
	Consists of:	(See Page 2)
57	DDP125	Table only.....
58	DDP154	Lock Stud.....
59	CS 30	Lock Handle.....
60	DDP 127	Lock Key.....
61	Comm.	5/16"-24 x 7/8" Hex Bolt.....
62	Comm.	5/16" I.D. Flat Washer.....
	9D65N	PRODUCTION TABLE COMPLETE.....
	Consists of:	(See Page 2)
78	DDP 155 N	Production Table only.....
58	DDP 154	Stud.....ea.
59	CS 30	Lock Handle.....
60	DDP 127	Key.....
61		5/16"-24 x 7/8" Hex Bolt.....
62		5/16" I.D. Flat Washer.....
79		1/2" Pipe Plug.....
	9D55	BELT GUARD.....
		(See Page 2)
75	DDP 75	Belt Guard only.....
76	DDP 178	Hinge Pin (2 used).....ea.
77	Comm.	5/16"-18 Hex Nuts (4 used).ea.
78	HSD 135	Spanner Wrench (2 used)....ea.
	PV 58 N	MOTOR PULLEY 5/8" BORE..... (Same size as head pulley)
	9D113	SLOW SPEED ATTACHMENT.....
	Consists of:	(Upper Right)
1	DDP 6 SN	Pulley Assembly (includes Key Nos. 1-2-3-4)
5	DDP 112	Pulley Bracket.....
6	DDP 114	Adjusting Screw.....
7	HD 63	Adjusting Nut (2 used).....ea.
8	VB 26	26" V Belt.....
9	VB 26	26" V Belt.....
10	Comm.	5/16"-18 x 3/8" Allen Screw (2 used).....ea.
11	NB 107	Aligning Key Screw.....
12	Comm.	3/8"-24 Hex Nut.....
	9D66	TABLE RAISING MECHANISM.....
	Consists of:	(Center Right)
6	ET 4	Table Flange.....
7	ET 3	Table Adjusting Nut.....
8	SM 21	Adjusting Bracket.....
9	DDP 76H	Adjusting Gear Bracket.....
10	ET 9	Raising and Lowering Screw....
11	MBS 108	Hand Crank.....
14	DDP 78	Crank Shaft.....
15	DDP 82	Pinion.....
16	DDP 83	Gear.....
17	DDP 85	Gear Guard.....
18	Comm.	#1 3/16" x 5/8" Groove Pin....
19	HSD 20C	Key Washer.....
20	Comm.	5/32" x 1" Groove Pin (2 used).....ea.
21	Comm.	1/2"-13 x 2 3/4" Hex Bolt (2 used).....ea.
22	Comm.	1/2"-13 Hex Nut (2 used)...ea.
23	Comm.	1/2" I.D. Flat Washer (2 used)...ea.
25	Comm.	1/2"-24 Hex Jam Nut (2 used)...ea.
26	Comm.	3/8" I.D. Flat Washer.....ea.
27	Comm.	3/8"-16 x 3/4" Hex Bolt.....
28	Comm.	1/4"-20 x 3/4" Fil.Hd. Bolt (4 used)...ea.
*	Comm.	1/4" Drive Oiler Type #0C/ Figure #56....
	9D75-76	HEAD RAISING MECHANISM
	Consists of:	(Lower Right)
1	DDP 76	Adjusting Gear Bracket.....
2	DDP 84	Screw.....
3	DDP 77	Nut Bracket.....
4	DDP 78	Crank Shaft.....
5	DDP 85	Gear Guard.....
6	DDP 82	Pinion.....
7	DDP 83	Gear.....
8	MBS 108	Hand Crank.....
11	Comm.	#1-3/16" x 5/8" Groove Pin....
12	HSD 20C	Key Washer.....
14	Comm.	1/2"-13 x 2 3/4" Hex Bolt.....
15	Comm.	1/2"-13 Hex Nut.....
16	Comm.	1/2"-24 Hex Jam Nut (2 used) ea.
17	Comm.	1/2" I.D. Flat Washer.....
18	Comm.	3/8"-16 x 3/4" Hex Bolt.....
19	Comm.	3/8" I.D. Flat Washer.....
20	Comm.	5/32" x 1" Groove Pin.....
*	Comm.	1/4" Drive Oiler Type#0C/Fig.#56

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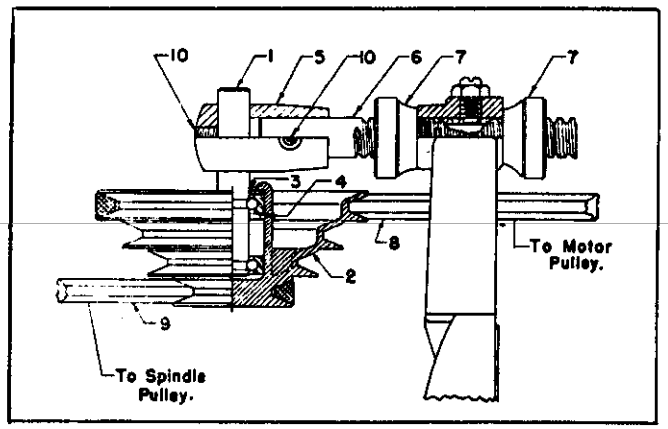
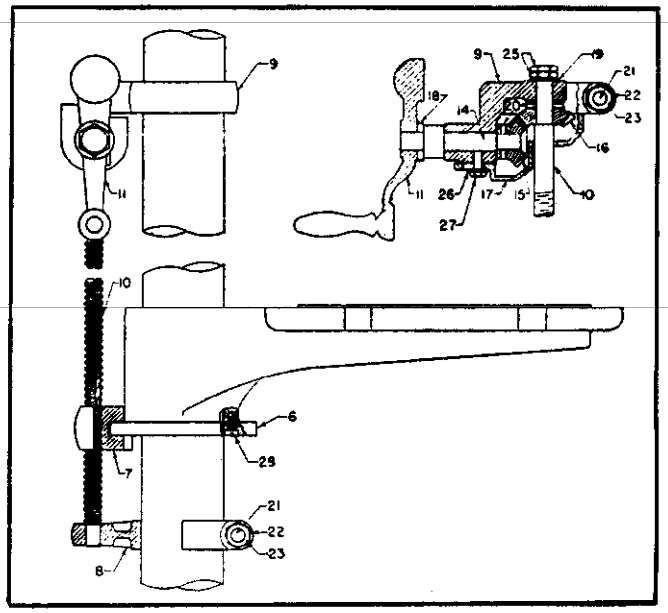
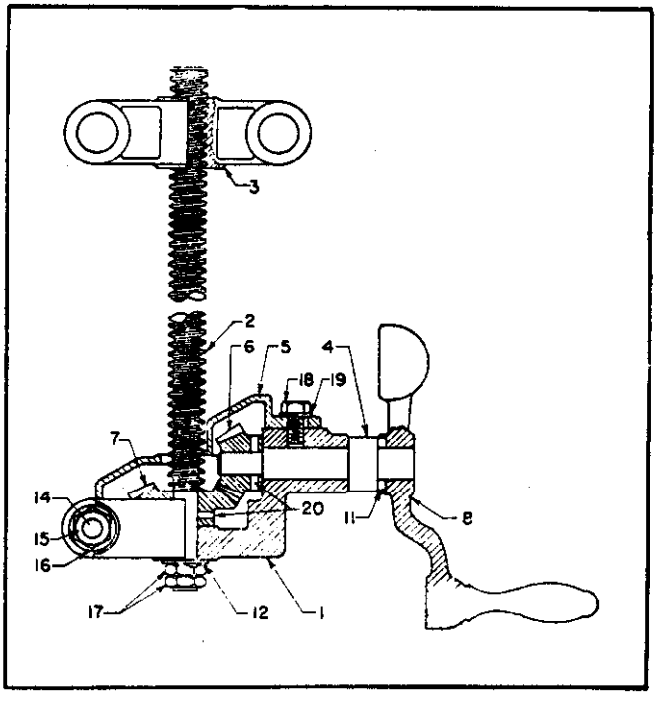


9D113

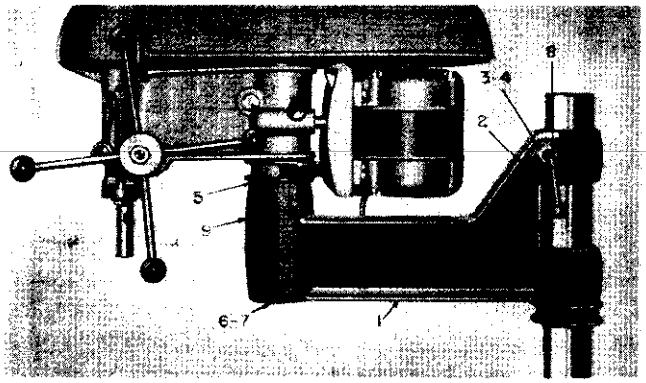


9D66



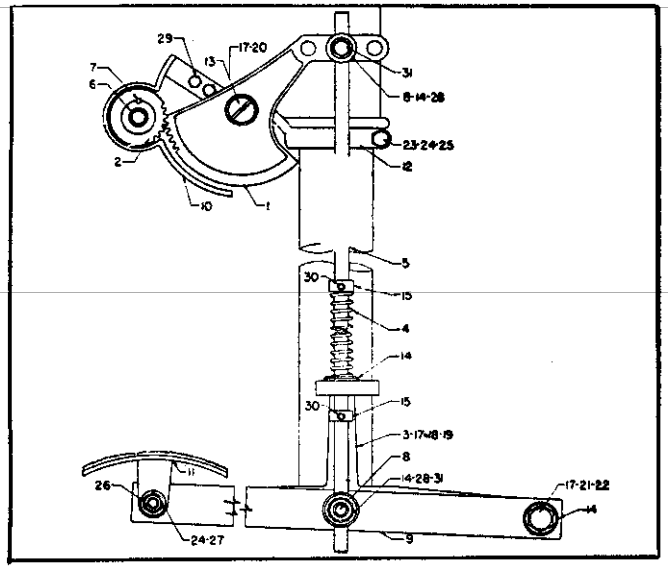
9D75-76

Note: Standard commercial (comm.) parts are usually available locally from your machinery, hardware, or mill supply dealer.

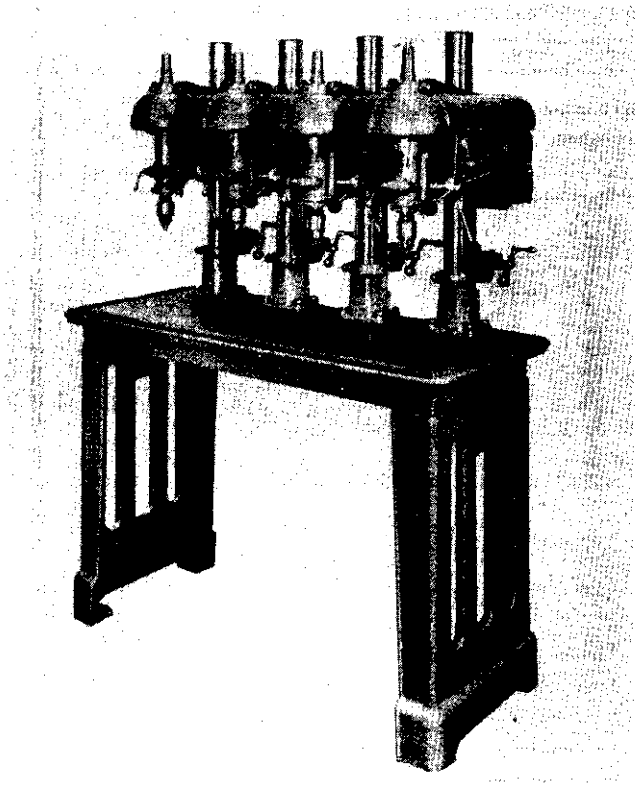


PARTS LISTING

Key No.	Part No.	Description
	9D6	EXTENSION ARM COMPLETE.....
	Consists of:	
1	DDP 105	Arm only.....
2	DDP 50	Lock Handle (Long).....
3	DDP 63 A	Lock Block.....
4	DDP 63	Lock Block (threaded).....
5	NW 126	Bakelite Washer.....
6	DDP 109	Column.....
7	DDP 60	Column Cap.....
8	Comm.	1/2" I.D. Flat Washer.....
9	Comm.	1/2"-13x3/4" Allen Screw (2 used).. ea.



Key No.	Part No.	Description
	9D80N	FOOT FEED ATTACHMENT.....
	Consists of:	
1	DDP 88R	Gear Control Lever.....
2	DDP 89	Feed Lever Pinion Gear.....
3	DDP 90	Pedal Adjusting and Spring Bracket.....
4	DDP 91	Foot Lever Tension Spring.....
5	DDP 92	Foot Lever Rod.....
6	DDP 94	Feed Pinion.....
7	DDP 94K	Sliding Key.....
8	DDP 95	Foot Lever Swivel (2 used).....ea.
9	DDP 96	Foot Lever Arm.....
10	DDP 97N	Gear Guard.....
11	DDP 102	Foot Pad.....
12	DDP 104	Control Lever Bracket.....
13	DDP 123	Control Lever Shaft.....
14	EP 5169B	Tapered Washer (4 used).....
15	FS 8C	Stop Collar (2 used).....
	DU 65	Spacer.....
17	Comm.	1/2" I.D. Flat Washer (2 used).....
18	Comm.	1/2"-13 Hex Nut.....
19	Comm.	1/2"-13 x 3" Hex Bolt.....
20	Comm.	1/2"-30 Hex Nut.....
21	Comm.	1/2"-13 Hex Jam Nut (2 used).....ea.
22	Comm.	1/2"-13 x 2" Hex Bolt.....ea.
23	Comm.	3/8"-16 x 31/2" Hex Bolt.....
24	Comm.	3/8"-16 Hex Nut (2 used).....ea.
25	Comm.	3/8" I.D. Flat Washer.....
26	Comm.	3/8" I.D. Lock Washer.....
27	Comm.	3/8"-16 x 1 1/2" Hex Bolt.....
28	Comm.	1/2"-24 Hex Jam Nut (4 used).....ea.
29	Comm.	5/16"-18 x 5/8" Hex Bolt (2 used)...ea.
30	Comm.	1/4"-20 x 1/4" Hdls. Set Screw (2 used)...ea.
31	Comm.	3/8"-16 x 3/4" Hex Bolt (2 used)....ea.



ONE, TWO, FOUR AND SIX SPINDLE DRILL PRESSES OF PRODUCTION OIL TABLE BENCH TYPE

For prices and descriptions of parts other than those listed below see other sections of this sheet. For Head Assembly see 9D13X and 9D75 Head Raising Mechanism.

PARTS LISTING

Part No.	
For D 901	SINGLE SPINDLE MODEL
DDP 131	Cast Iron Table with Bolts..... (Cannot be used with legs 9D60-DDP200)
For D 902	TWO SPINDLE MODEL
DDP 115	Cast Iron Table with Bolts.....
9D60	Cast Iron Legs.....
For D 904	FOUR SPINDLE MODEL
DDP 115 L	Cast Iron Table with Bolts.....
9D60	Cast Iron Legs.....
For D 906	SIX SPINDLE MODEL
DDP 141N	Cast Iron Table with Bolts.....
DDP 116	Column Bracket with Screws.....ea. 1/2"-13 x 1" Hex Bolts (4 used per bracket ea.
9D60	Cast Iron Legs..... (Cannot be used with DDP 131 Single Spindle Table)

Note: Standard commercial (comm.) parts are usually available locally from your machinery, hardware, or mill supply dealer.

• • • WALKER-TURNER 15 INCH DRILL PRESSES • • •

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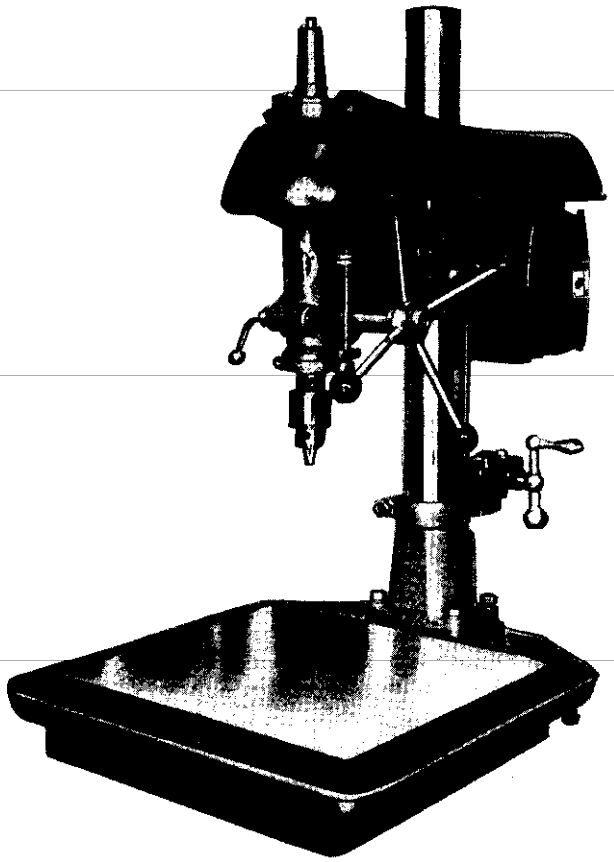


PRODUCTION MODELS

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.

SPECIFICATIONS (Production Models)

FOUR SPEEDS: 600, 1250, 2440 and 5000 R.P.M. with a 1740 R.P.M. motor.

CAPACITY: 18½" chuck to table, 7½" center of chuck to column. Drills to center of 15" circle.

CHUCK: No. 6A Jacobs, key type, 0 to ½" capacity.

SPINDLE: Six spline full floating type, mounted on two ball bearings, ⅝" diameter. Male #33 Jacobs taper to fit 6A Jacobs chuck, or #1 Morse taper socket (optional).

SPINDLE TRAVEL: 4¼" 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 slitting and possible deformation of head casting.

COLUMN: Seamless drawn steel tubing, precision ground, 2¾" 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 14½" x 16", multiple spindle models 17½" wide, two spindle 23" long, four spindle 45" and six spindle 67".

D901 Single Spindle Drill Press, less motor, head raising mechanism and belt guard. (No legs available.).....

D901H Same as D901 but including head raising mechanism, less belt guard and motor......

D902 Two Spindle Drill Press, as shown less motors, belt guards and stand......

D903 Three Spindle Drill Press, less motors, belt guards and stand......

D904 Four Spindle Drill Press as shown, less motors, belt guards and stand......

D906 Six Spindle Drill Press, less motors, belt guards and stand......

Note: Specify "MT" (ex: D901 MT) on any of above if desired with optional 1 Morse taper socket spindles (no chuck).

MODEL LISTING

9D60 Pair of cast iron legs for multi-spindle models only.

D906 requires 1½ pairs.

9D55 Belt Guard.

Electrical Equipment:

For single phase—

KAB5E ½ H.P. 115/230 volt, 60 cycle, 1740 R.P.M. single phase capacitor start motor.

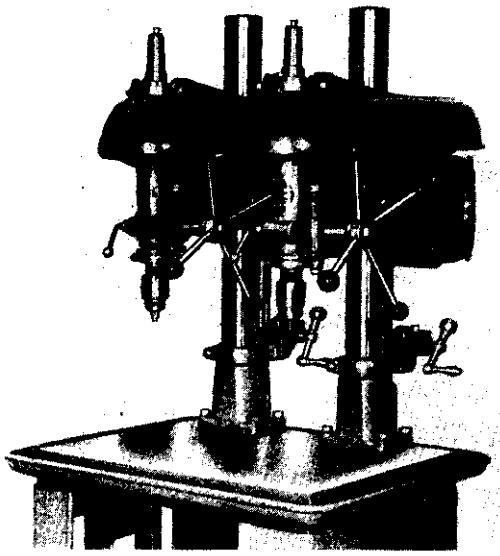
TS5 On-off Toggle Switch for single phase only.

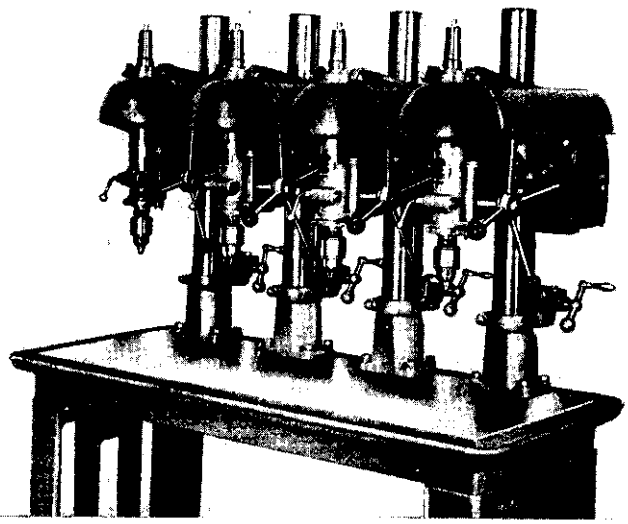
No. 14 Cord and plug for single phase only.

For three phase—

PAB5E ½ H.P. 220 volt, 60 cycle, 1740 R.P.M. three phase motor.

HD151A On-off push button switch for three phase or single phase motor.





• • • WALKER-TURNER 15 INCH DRILL PRESSES • • •

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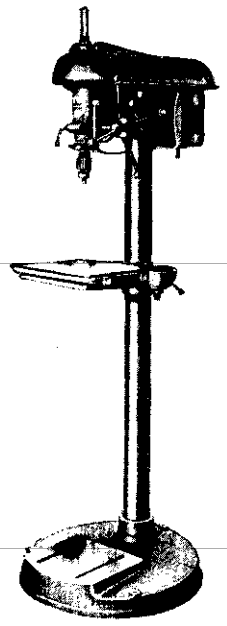
BENCH AND FLOOR MODELS

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 Slo-Speed Attachment fifteen speeds ranging from 165 to 6750 R.P.M. may be obtained.



D-936

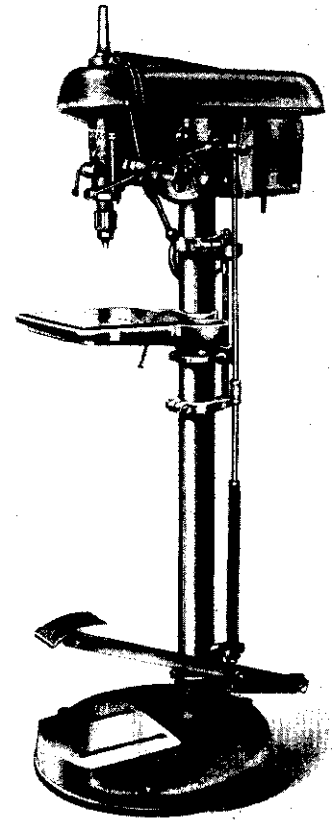
SPECIAL FEATURES

- 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: 4¼″
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—39⅝″ chuck to table, 46″ chuck to base. All models 7½″ center of chuck to column. Drills to center of 15″ circle.
CHUCK: #6A Jacobs key type capacity 0 to ½″.
TABLE: 10″ x 12¾″ machined working area.
BASE: 10″ x 9″ machined working area on Bench Models. 11″ x 9″ machined working area on Floor Models.
SPINDLE: Six spline full floating type, ⅝″ diameter, male #33 Jacobs taper for No. 6A Jacobs Chuck, or #1 Morse taper socket (optional)
PULLEY: Straddle mounted on two ball bearings for extra rigidity. New upper mounting permits quick belt changing.
COLUMN: Ground seamless steel tubing, 2¾″ in diameter.
FEED CONTROL: Four bar type, ball ends.
SHIPPING WEIGHTS: Bench Models—140 lbs. Floor Models—D935-7 175 lbs., D936-8 191 lbs., FD961 270 lbs.

9D80N Foot Feed attachment, only for D-935-6-7-8 .....



FOOT FEED MODEL

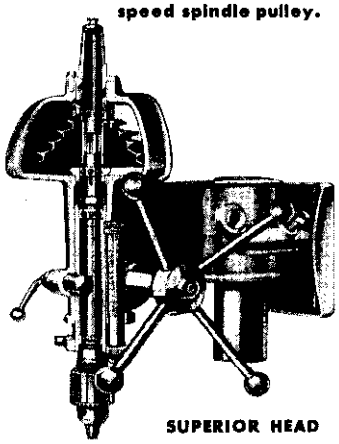
FD961 Foot Feed Drill Press as shown, including production table, foot feed attachment, table raising mechanism, belt guard, belt and motor pulley, less motor. Available at extra cost with slow speed spindle pulley.

D935 Floor Model Drill Press with standard table, including belt and motor pulley, less belt guard and motor.

D937 Floor Model Drill Press, same as D935 but with slow speed spindle pulley.

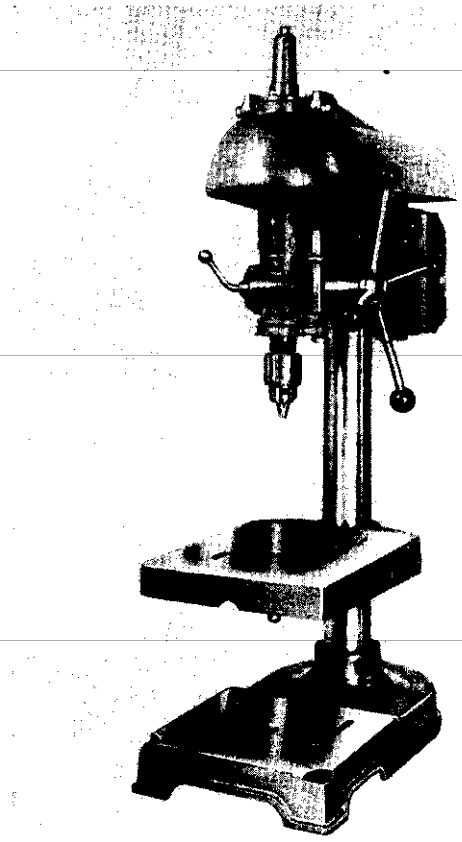
D936 Floor Model Drill Press, as shown, upper left, includes production table, belt guard, belt and motor pulley.

D938 Floor Model Drill Press, same as D936 but with slow speed spindle pulley.



SUPERIOR HEAD CONSTRUCTION

Permanent precision is assured by the use of four precision ball bearings mounted at strategic positions as shown above. The spindle pulley turns on two ball bearings, one mounted directly above the pulley, the other one directly below. This method of mounting relieves the spindle of all belt strain resulting in smoother and more accurate operation.



MODEL LISTING

D950 Bench Model Drill Press, includes belt and motor pulley, but less belt guard and motor.

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.

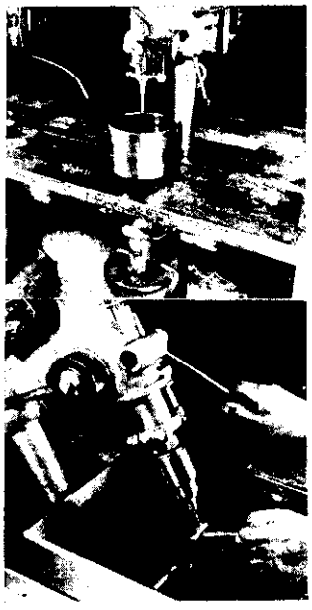
RECOMMENDED MOTORS (See page 6)

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.
9D11 Ground Steel Column 2¾″ 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 set-ups and 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.



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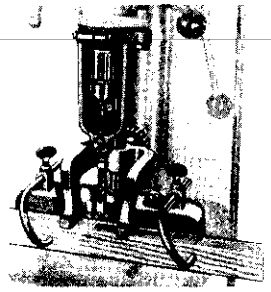
ACCESSORIES

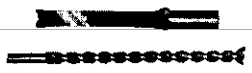


This attachment, when clamped to the drill press quill holds the mortising chisel in position. It is easily attached in place of the stop collar.

9D95 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.

9D90 Hold-down and Guide



Hollow Chisels and Bits. These tools are made for heavy production work.

HCS4 ¼″ Hollow Chisel
HCS6 ⅜″ Hollow Chisel
HCS8 ½″ Hollow Chisel
HC25A ¼″ Bit
HC38A ⅜″ Bit
HC50A ½″ Bit

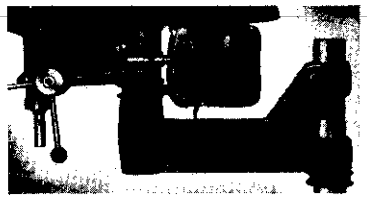
For sharpening mortising chisels, this stone simplifies the problem of keeping them in good condition. It can be used on the drill press, in the Jacobs Chuck.

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 ½″ diameter holes.

9D5 Threaded Adapter

SANDING DRUMS ⅛″ Shaft
DS30 3″ x 1″ Sanding Drum, one sleeve
DS20 2 3/16″ x 1″ Sanding Drum
DS15 1½″ x 1″ Sanding Drum
DS30C 6 coarse sleeves for DS30
DS30F 6 fine for DS30
DS20C 6 coarse sleeves for DS20
DS20F 6 fine for DS20
DS15C 6 coarse sleeves for DS15
DS15F 6 fine for DS15



Increases the distance between the column and the chuck to 24″. For light drilling, it will fit all models of the 15″ Drill Press.

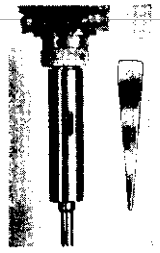
9D6 Extension Arm complete

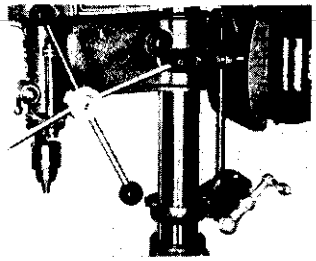
Provides additional speed range for 900 Series Drill Presses, ten speeds from 165 to 6750 R.P.M.

9D113 Slow Speed Attachment complete

Fits the drill press spindle in place of the Jacobs Chuck.

9MT1 Morse Taper Adapter

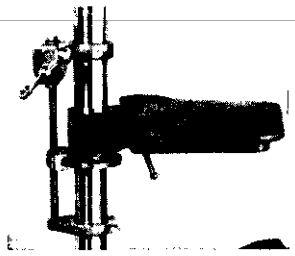




The Head Raising Mechanism shown at the left will fit all models of the 15″ Drill Presses. Positive screw action, easy to operate, it will function with the head and column in any position. The raising and lowering mechanism is moveable around the column with the head assembly.

9D75 Head Raising Mechanism, for bench models.

9D76 Head Raising Mechanism, for foot feed model only.

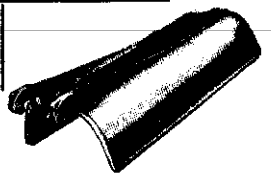


The Production Table and Raising Mechanism is supplied for use on all floor types 15″ drill presses. Table has a ground working area 12″ x 10″. A coolant trough around the edge of the table has an outlet threaded to take standard ½″ pipe.

Table Raising and Lowering Mechanism is actuated by a screw assuring smooth, easy operation of the table. Made only for Production Table.

9D65N Production Table only.

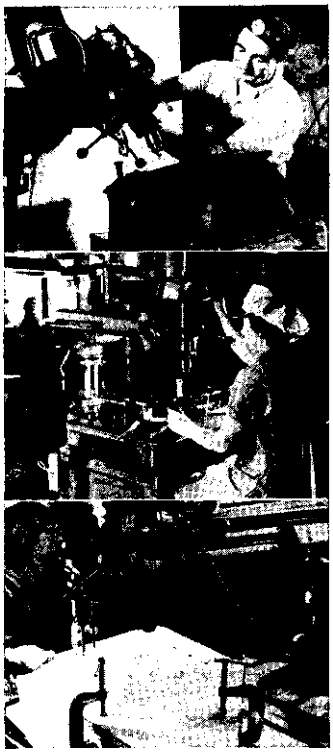
9D66 Table Raising Mechanism only.



Cast aluminum belt guard. Easily tilted out of the way for changing speeds.

9D55 Belt Guard, including studs for attaching.

• WALKER-TURNER RADIAL DRILL PRESS •



SPECIFICATIONS

SPINDLE: Six spline, full floating type, mounted on two precision ball bearings. Spindle nose tapered to fit No. 6A Jacobs chuck. No. 1 Morse taper socket optional.

SPINDLE TRAVEL: Standard model 4¼″. Special models available on order having 6″ travel.

SPINDLE SPEEDS: Fifteen, from 160 to 8300 rpm. using a 1740 rpm motor. 110 to 5400 rpm. using an 1140 rpm. motor.

PULLEY: Straddle mounted between two ball bearings for extra rigidity. All belt thrust is absorbed by pulley.

HEAD: One piece gray iron casting, line bored. Wedge type locks on column and quill eliminate slitting and possible deformation of head casting.

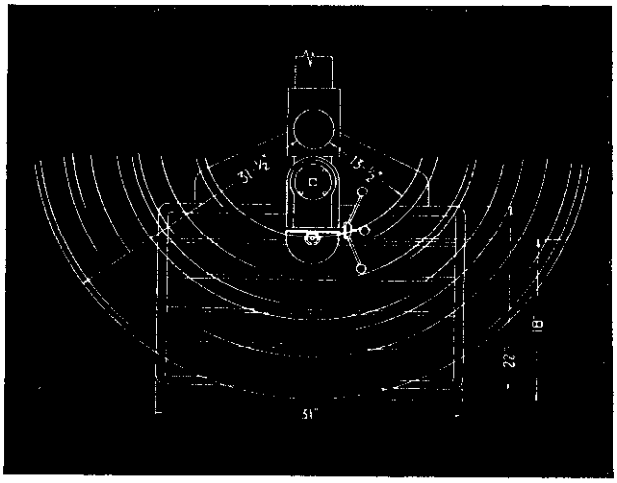
TABLE: Cast iron, machined surface 26″ x 18″. Four 'T' slots running full width. Oil trough around edge is tapped to accommodate ½″ pipe.

DIMENSIONS: Overall Height 68½″, Width 31″, Depth 58″.

CHUCK TO TABLE: Maximum distance, 16½″.

RAM TRAVEL: Maximum 18″.

COLUMN TO CENTER OF DRILL: Maximum 31″, minimum 13″.



The drawing above illustrates the unusual under-the-drill capacity for a drill press of this size. Drill to the center of a 62″ circle, or locate the drill anywhere on sheet stock up to five feet wide. In addition the drill head can be swung clear of the table for work that must be kept on the floor.

This unusual capacity makes the Walker-Turner Radial Drill ideal for working on ply-wood, sheet stock of all types, switch board panels and other large work.

Ruggedness, versatility, accuracy and ease of operation are the outstanding features of the Walker-Turner Radial Drill Press.