



Rockwell

MANUFACTURING COMPANY

The Rockwell Building • Pittsburgh, Pa.

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ROCKWELL/DELTA 6" BELT and 12" DISC ABRASIVE FINISHING MACHINE

INTRODUCTION

Your new Belt and Disc Abrasive Finishing Machine is an important machine in home, school, or professional shop. It eliminates much of the tedious hand finishing otherwise necessary. You can move from one machine to the other in seconds, as required, to finish curved, straight or irregular shaped work.

With two machines mounted on one stand and operated by one motor, you save valuable shop space that can be used for additional production. It also saves on your initial investment since only one stand and one motor is required.



Fig. A

The Rockwell/Delta Combination Finishing Machine is suited for practically every type of finishing operation on metal, wood, plastics, compositions, leather, and other materials.

Fig. A, illustrates the machine equipped with a wood dust collector and the necessary parts used for adapting the dust collector to your machine.

Fig. B, illustrates the machine equipped with a metal dust collector and the necessary parts used for adapting the dust collector to your machine.

Consult your dealer for these accessories.



Fig. B

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ROCKWELL GUARANTEE

Rockwell is proud of the quality of the power tools which it sells. The component parts of our tools are inspected at various stages of production, and each finished tool is subjected to a final inspection before it is placed in its specially designed carton to await shipment. Because of our confidence in our engineered quality, we agree to repair or replace any part or parts of Rockwell Power Tools or Rockwell Power Tool Accessories which examination proves to be defective in workmanship or material. In order to take advantage of this guarantee, the complete portable power tool or accessory, or in the case of machinery, the part must be returned prepaid to the appropriate factory, factory branch, or authorized service station for our examination. This guarantee, of course, does not include repair or replacement required because of misuse, abuse, or normal wear and tear. Repairs made by other than our factory, factory branch, or authorized service station, relieves Rockwell of further liability under this guarantee. This guarantee is made expressly in place of all other guarantees expressed or implied with respect to fitness, merchantability or quality.

MOTORS

Motors are built to Rockwell's specifications by only leading motor manufacturers. A service station list is supplied with your motor and all defective motors (both in and out of guarantee) should be taken to the local authorized repair station when service is desired.

MOTORS

A 1 horsepower, totally enclosed, single or three phase, 60 cycle, 3450 RPM motor is recommended for use on your machine.

SETTING UP

If your machine was purchased without the Cat. No. 50-114 Stand, assemble it to a suitable stand or work bench that will permit the motor to be mounted underneath the machine and enable the V-belt to be connected to the two pulleys through the stand or work bench.

If you purchased your machine with the Cat. No. 50-114 Stand minus electricals, simply assemble the machine to the stand with the four screws supplied. Mount the motor to the motor plate as shown in Fig. 2. Assemble motor pulley to the motor shaft and align it to the arbor pulley. Connect the V-belt to the pulleys and adjust belt tension by moving the motor up or down on the motor plate.

If you purchased your machine factory mounted and wired, the motor will be mounted to the motor plate. Mount the machine to the stand and align the two pulleys. Connect the V-belt to the two pulleys and adjust belt tension by moving the motor up or down on the motor plate.

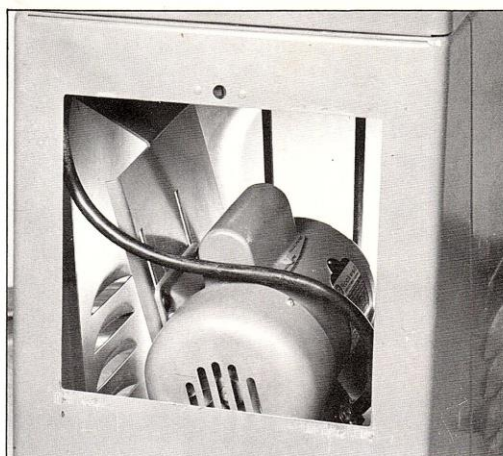


Fig. 2.

INSTALLING OR REMOVING THE SANDING BELT

Your machine uses a 48" belt. To install or remove the belt, proceed as follows:

1. Remove the idler drum guard (A) Fig. 3, and the side guard (B).
2. Turn the belt tension handle (A) Fig. 4, counter-clockwise to reduce tension to a minimum. NOTE: It may be necessary when reducing tension that downward pressure be applied on the idler pulley (B).
3. The sanding belt can then easily be slipped off or onto the drums.

IMPORTANT: Lapless sanding belts can be run in either direction. Lapped belts should be installed so that the work will run OFF the lapped portion of the belt and not into the edge of the lap. Most sanding belts have a directional arrow on the inside of the belt to show the direction of rotation.

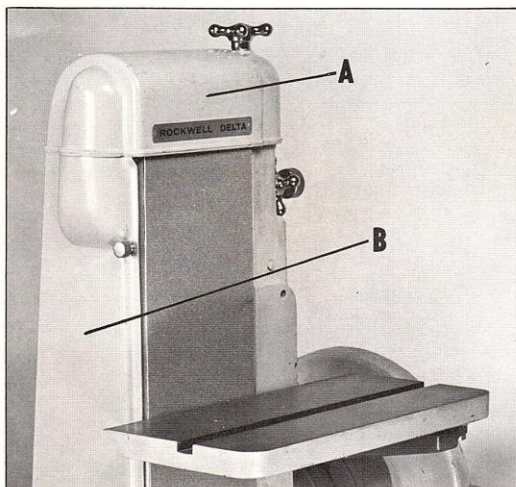


Fig. 3.

ADJUSTING TENSION ON THE SANDING BELT

Tension on the sanding belt is supplied by turning the belt tension handle (A), Fig. 4, clockwise to increase or counterclockwise to decrease belt tension.

Correct tension is determined by two things: (1) The belt should be flat on the platen, (2) the belt should be sufficiently tensioned to prevent slipping on very heavy work. For ordinary work, a tension just sufficient to take the curl out of the belt is recommended.

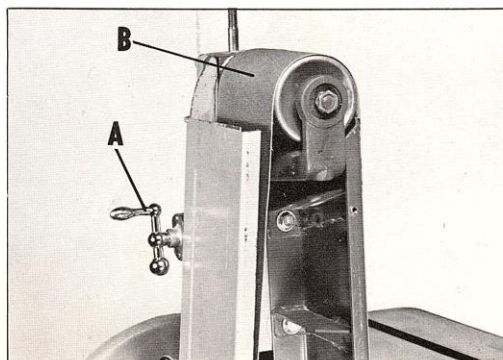


Fig. 4.

TRACKING THE SANDING BELT

The adjustment is set at the factory so that the sanding belt runs true and square the full length of the platen. If however, the belt should lead slightly to one side or the other, adjust as follows:

1. Loosen lock knob (A) Fig. 5.
2. If a complete resetting of the tracking adjustment is being made, the approximate position must first be set by rotating the belt by hand while turning the adjusting screw (B) Fig. 5.
3. Then while jogging the motor on and off, VERY GENTLY turn the adjusting screw (B) Fig. 5, clockwise to move the belt toward the adjusting screw and counterclockwise to move the belt away from the adjusting screw.
4. A final adjustment can be made with the motor running. THIS ADJUSTMENT IS USUALLY VERY SLIGHT. After the belt is tracking properly, tighten the lock knob being careful that the adjusting screw does not turn.

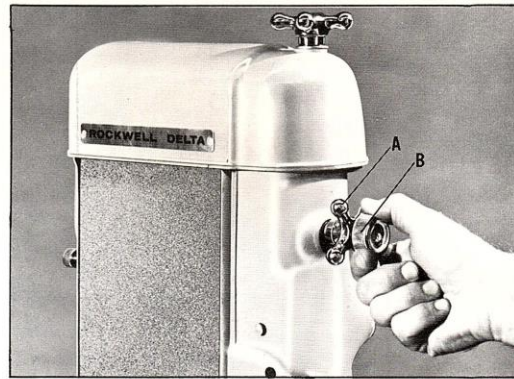


Fig. 5.

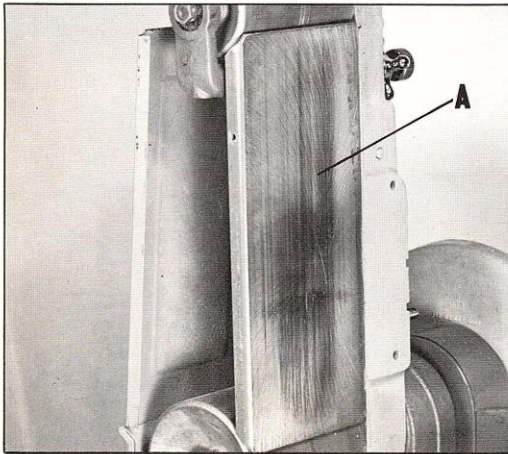


Fig. 6.

ADJUSTING THE PLATEN

The platen (A) Fig. 6, is set at the factory $\frac{1}{32}$ of an inch higher than the crown of the drums. This allows the belt, when properly tensioned, to lay flat on the platen and eliminate stretching and bulging which might occur if the platen is not at the right height.

When using the machine with a loose belt for "strapping", the platen is removed and replaced as follows:

1. Remove the side guard and the idler drum guard.
2. Remove the three screws (A) Fig. 7, that attach the platen to the machine and remove the platen.
3. When replacing the platen, attach it to the machine with the three screws (A) Fig. 7. Do not tighten the three screws.
4. Using a straight edge, as shown in Fig. 7, adjust the platen so it is $\frac{1}{32}$ " higher than the crown of the drums and tighten the three screws (A).

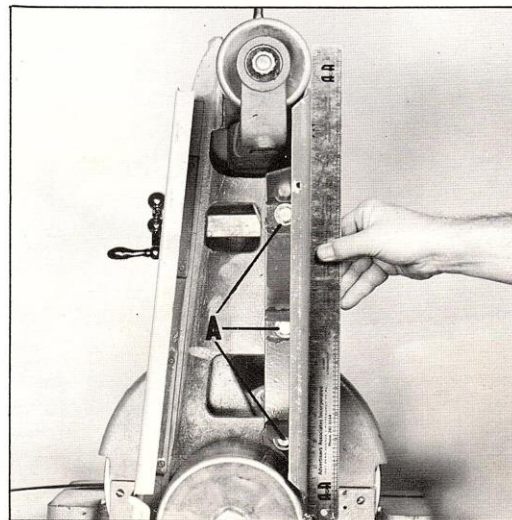


Fig. 7.

OPERATING AND ADJUSTING THE BELT SANDER TABLE

To tilt the table, loosen the table tilting handle (A) Fig. 8, move the table to the desired angle, and lock the table tilting handle. The table tilting handle can be repositioned by loosening the screw (B) four or five turns, pull out the table tilting handle (A) and reposition it on the serrated nut located underneath the handle. Positive table stops are provided at 90° and 45° . To adjust the stops, proceed as follows:

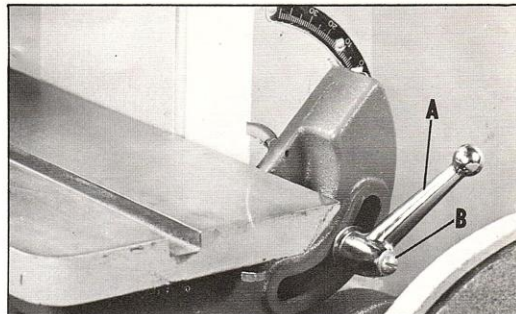


Fig. 8.

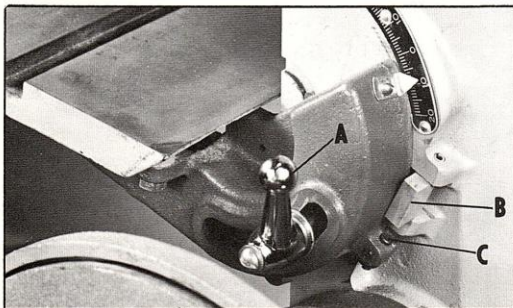


Fig. 9.

1. Loosen the table tilting handle (A) and lift the table up to approximately 10° , as shown in Fig. 9.
2. Flip out the stop bracket (B) and lower the table until the adjustable screw (C) contacts the stop bracket (B) Fig. 9.

3. Place a square on the table with one end of the square against the platen.
4. Loosen lock screw (A) Fig. 10, and turn the adjusting screw (B) until the table is 90° to the platen. Then tighten lock screw (A) and adjust the pointer (C) to the 0° mark on the scale.



Fig. 10.

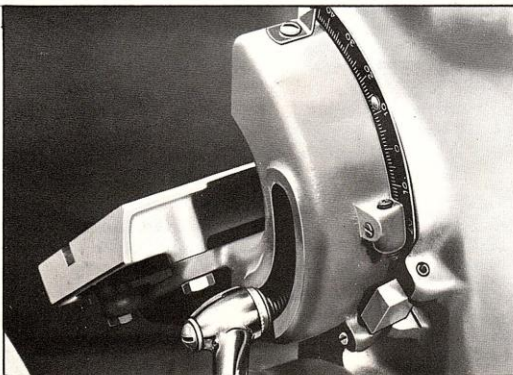


Fig. 11.

5. The same procedure is followed when adjusting the table to stop at the 45° position as shown in Fig. 11.

CHANGING POSITION OF THE SANDING ARM

The sanding arm can be positioned in the vertical or horizontal position, or at any desired angle in between as follows:

1. Loosen two bolts (A) Fig. 12, move the sanding arm to the desired position, and lock the two bolts. CAUTION: THE SANDING ARM SHOULD NEVER BE REPOSITIONED WHILE THE MACHINE IS RUNNING.

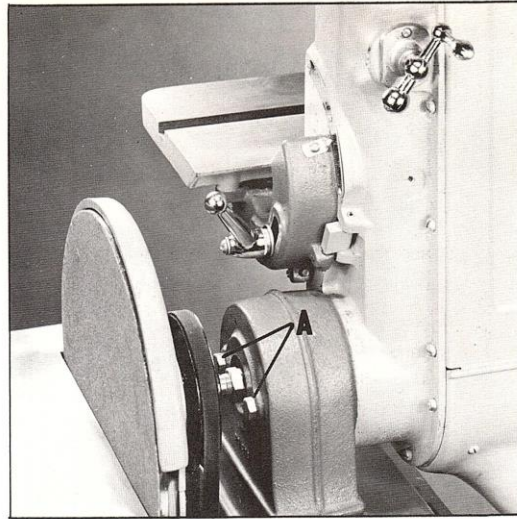


Fig. 12.

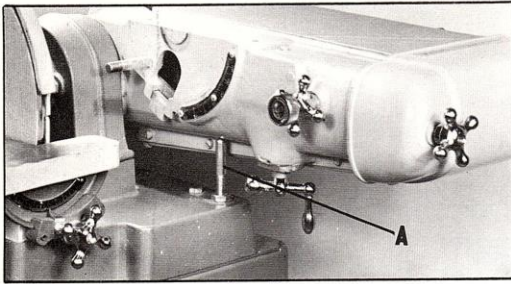


Fig. 13.

2. When moving the sanding arm to the horizontal position, the arm will contact the stop (A) as shown in Fig. 13. IMPORTANT: BEFORE STARTING THE MACHINE AFTER REPOSITIONING THE SANDING ARM ALWAYS CHECK THE TRACKING OF THE BELT.

INSTALLING ABRASIVE DISC TO DISC SANDER

We recommend the use of the Cat. No. 49-503 Disc Adhesive when applying the abrasive disc to the disc sander. This disc adhesive is a stick glue which melts under heat generated by friction, and then quickly hardens. It will not dry out or cake on the sanding disc. Abrasive sheets can be applied in a few seconds as follows:

1. The disc adhesive is applied by holding the stick of adhesive against the disc as it is turning, as shown in Fig. 14. The adhesive should be at least 1/16 of an inch thick on the disc.



Fig. 14.

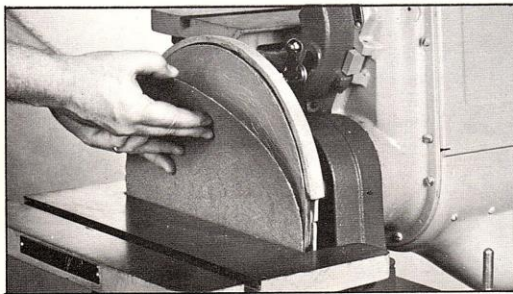


Fig. 15.

2. Apply the adhesive also to the back of the abrasive disc by laying the disc on a flat surface and rubbing the adhesive onto the back of the disc.
3. The sheet is then placed firmly onto the disc, as shown in Fig. 15.

ADJUSTING UPPER HALF OF DISC SANDER GUARD AND DUST DEFLECTOR

The upper half of the disc sander guard and dust deflector should be adjusted so the top lip of the guard is as close as possible but does not extend beyond the face of the sanding disc and interfere with the workpiece.

1. To tilt the guard forward at the top, slightly loosen the four screws that attach the guard to the disc sander (two of the screws are shown at (A) Fig. 16).
2. Loosen screw (C) and tighten screw (B) Fig. 16, to adjust the guard to the desired forward position at the top. NOTE: The adjusting screws at the opposite end of the disc sander must also be adjusted.
3. To tilt the top of the guard to the rear, follow the same procedure as above, except loosen screw (B) and tighten screw (C) Fig. 16.

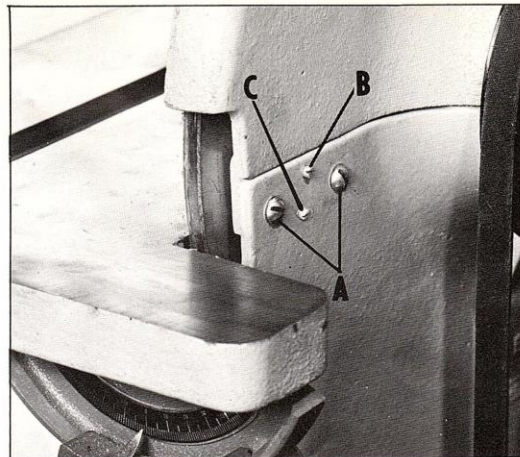


Fig. 16.

ADJUSTING THE DISC SANDER TABLE

The table is set at the factory so that the edge of the table is approximately $3/32''$ away from the disc. This is done to provide enough clearance for the table when it is tilted to 45° . If it is ever necessary to move the table away from the disc, simply loosen the four screws that hold the table to the trunnions and move the table away from the disc. This adjustment will be very slight.

NOTE: After this adjustment is made, make sure the miter gage slot is parallel with the disc by following instructions listed under ADJUSTING MITER GAGE SLOTS PARALLEL WITH BELT AND DISC.

To adjust the table square with the sanding disc, proceed as follows:

1. Place an accurate square on the table with one end of the square against the disc, as shown in Fig. 17.
2. Loosen table locking knobs (A) Fig. 17, which are located on each end of the table and move the table until it is at 90° to the disc. Then tighten the table locking knobs (A).
3. Adjust the pointer (B) Fig. 17 so it points to the "O" mark on the scale.

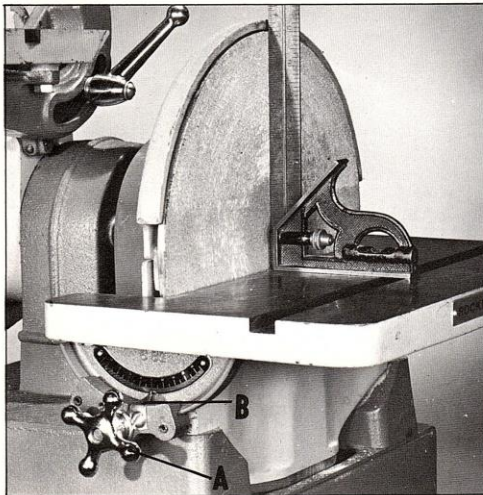


Fig. 17.

ADJUSTING MITER GAGE SLOTS PARALLEL WITH THE BELT AND DISC

These adjustments are made at the factory, however, during shipment they may have been disturbed. If an adjustment is necessary, proceed as follows:

BELT SANDER

1. Check to see if the miter gage slot is parallel with the sanding belt by placing a square in the miter gage slot with one end of the square against the belt, as shown in Fig. 18.
2. Slide the square the full width of the belt checking to be sure the distance between the miter gage slot and the belt is the same.
3. If an adjustment is necessary, loosen the three screws that hold the table to the bracket and shift the table until the slot is parallel to the belt. Then tighten the three screws.

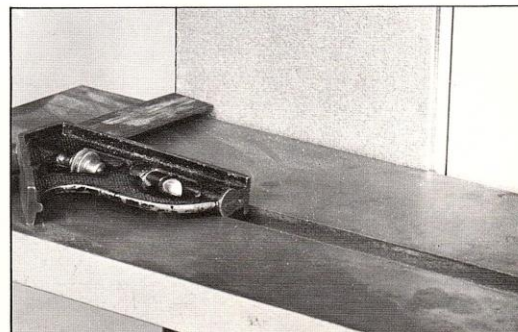


Fig. 18.

DISC SANDER

1. Check to see if the miter gage slot is parallel with the sanding disc by placing a square in the miter gage slot with one end of the square against the sanding disc, as shown in Fig. 19.
2. Using a pencil, make a mark on the sanding disc where the square contacts the disc, as shown in Fig. 19.
3. Rotate the sanding disc to the other end of the table and check the distance with the miter gage.
4. If an adjustment is necessary, loosen the four screws that hold the table to the trunnions and adjust the table until the miter gage groove is parallel with the sanding disc. NOTE: When making this adjustment be sure the table locking handles are tightened.

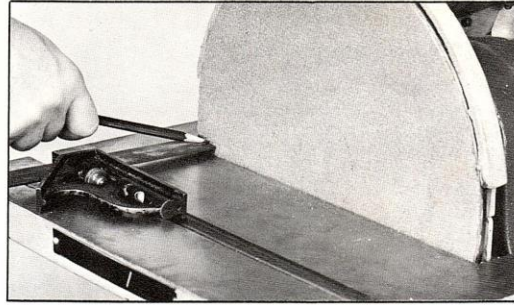


Fig. 19.

REMOVING AND REPLACING V-BELT AND PULLEY

1. Remove disc sander table, sanding disc, and belt and pulley guard.
2. Remove upper guard and dust deflector.

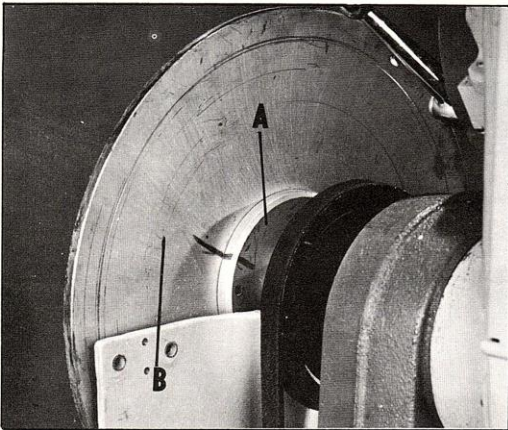


Fig. 20.

3. Make a scribe line on the flange (A) Fig. 20, extending it onto the back of disc wheel (B). When reassembling the flange and disc wheel, make sure the scribe lines coincide with each other.

4. Remove three socket screws (A) Fig. 21, and remove disc wheel (B).

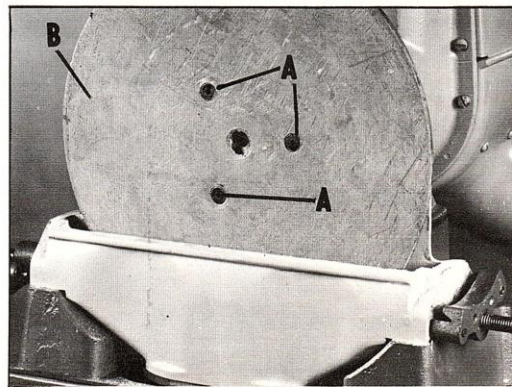


Fig. 21.

- Loosen set screws (A) and flange (B) Fig. 22.

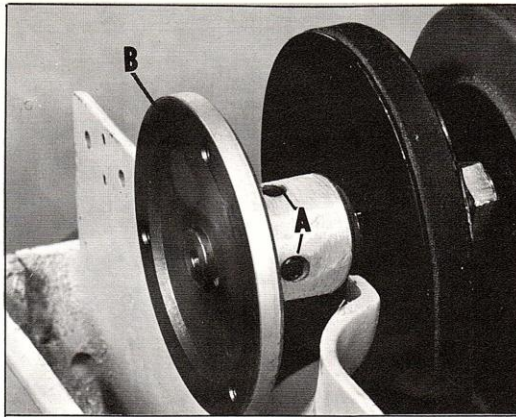


Fig. 22.

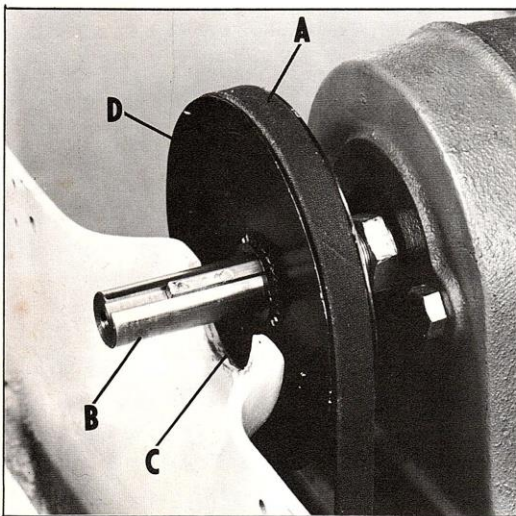


Fig. 23.

- Remove V-belt from motor pulley.
 - If your machine is not equipped with the disc sander dust chute, the V-belt (A) Fig. 23, can now be removed from the machine by passing it between the shaft (B) and the lower disc guard (C).
- If your machine is equipped with the disc sander dust chute it will be necessary to loosen the four screws that hold the machine to the stand and shift the unit on the stand to enable the belt to be manipulated around the dust chute.
- If the pulley (D) Fig. 23, is to be replaced, the bottom half of the disc sander guard will have to be removed by removing the two screws that attach the bottom guard to the base of the disc sander.
 - Reassemble in the reverse order.

ABRASIVE BELTS AND DISCS — THEIR SELECTION AND USE

We supply a wide range of belts and discs for use on your Belt and Disc Finishing Machine. These belts and discs are recommended for a wide range of work on wood, metals, plastics and other materials. However, when a large amount of production work of one kind is to be done, it is best to call in a coated abrasive specialist for his specific belt recommendations. Certain jobs are best done with a silicon carbide, aluminum oxide, or garnet belt.

All materials may be worked on a dry belt or disc. But for professional quality or for production work a low melting point grease should be used for cooler cutting, better finish, and for longer belt life. Even coarse belts will "load" when grinding aluminum dry, and so a lubricant should always be used for this material. To a varying degree, this is true of other non-ferrous metals like soft brass and zinc.

A grease stick is often applied to the belt or disc to prevent "loading" of the belt on softer materials especially aluminum. When grinding steel or some kinds of plastic, the grease stick is often used to prevent over-heating of the work piece.

Many times a single belt is used for both stock removal and for finish, just by lubricating one half of the belt with light grease for stock removal and the other side or half of the belt with a heavy grease for polishing to bring out a good finish. This can be done only when the parts are very small and need not be moved across the face of the belt.

When an abrasive belt smaller than 6" is desired, the 6" belt can be split. This can be done by turning the belt inside out and with a knife or other sharp instrument cut a slot in the belt at the desired width. Then proceed to tear the belt. CAUTION: ONLY TEAR THE BELT A FEW INCHES AT A TIME ONE WAY THEN REVERSE THE TEARING ACTION. THIS METHOD WILL REDUCE THE TENDENCY OF THE BELT TO UNRAVEL.

For certain applications, a mist coolant attachment (not supplied by us) will be found to be helpful. If the use of a mist coolant causes the Abrasive Belt to slip on the lower drive pulley, this can be corrected by using a "tire" which can be homemade by wrapping the pulley with a piece of coated abrasive belt. The grit is, of course, turned to the outside and cement should be used sparingly to avoid lumps under the "tire".

SAFETY SUGGESTIONS

Always follow good safety rules when operating your Belt and Disc Finishing Machine.

1. If you are not thoroughly familiar with the operation of power tools, obtain advice from your supervisor or instructor.
2. Always wear safety glasses or a face shield.
3. Remove tie, rings, watch and other jewelry, and roll up sleeves.
4. Make all adjustments with the power off.
5. Make certain the disc and belt is not torn or loose.
6. Keep hands away from abrasive surfaces.
7. When finished, shut off the power and do not leave until the machine has come to a complete stop.

OPERATION

Your machine can be used for finishing practically any material — plastic, bone, metal, wood, fiber, cork, rubber, etc. — providing the proper abrasive belt and disc is used. The following are just some of the many operations that can be performed on your machine.



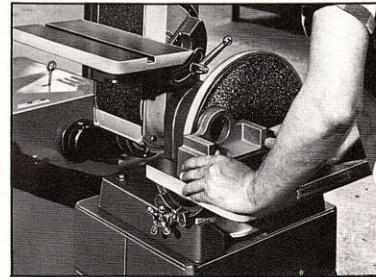
CHAMFERING

Chamfering with the stock guided by a stationery fixture is easily and accurately produced.



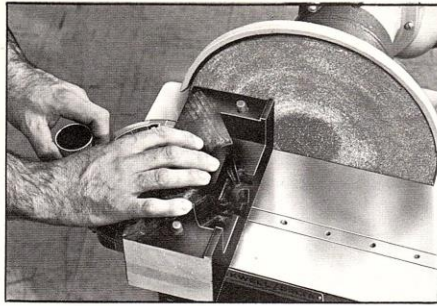
BELT OPERATES AT ANY ANGLE

You can operate the belt vertically, horizontally, or at any degree in between. When repetitive work is to be done at an angle on the belt, instead of tilting the table while leaving the sanding arm vertical, the sanding arm can be moved to the desired angle and the table can remain level providing excellent support and storage area for work to be done.



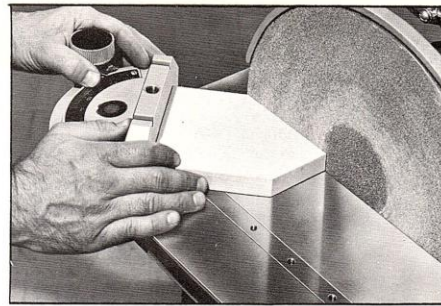
DEBURRING

With the use of Aluminum Oxide Discs, parts can be deburred easily.



FINISHING

Ideal for finishing core prints of large patterns.



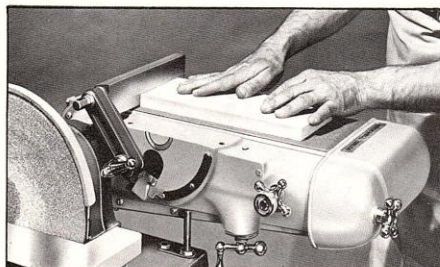
MITERING

Plain and compound miters are easily and accurately produced, using Cat. No. 34-833 Miter Gage, available as an accessory.



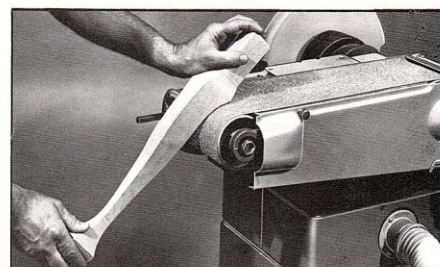
SCHOOL SHOPS

Ideal for use in school shops. Machine can be used by two students at once. Eliminates purchasing two separate machines, two stands, two motors, and saves valuable floor space.



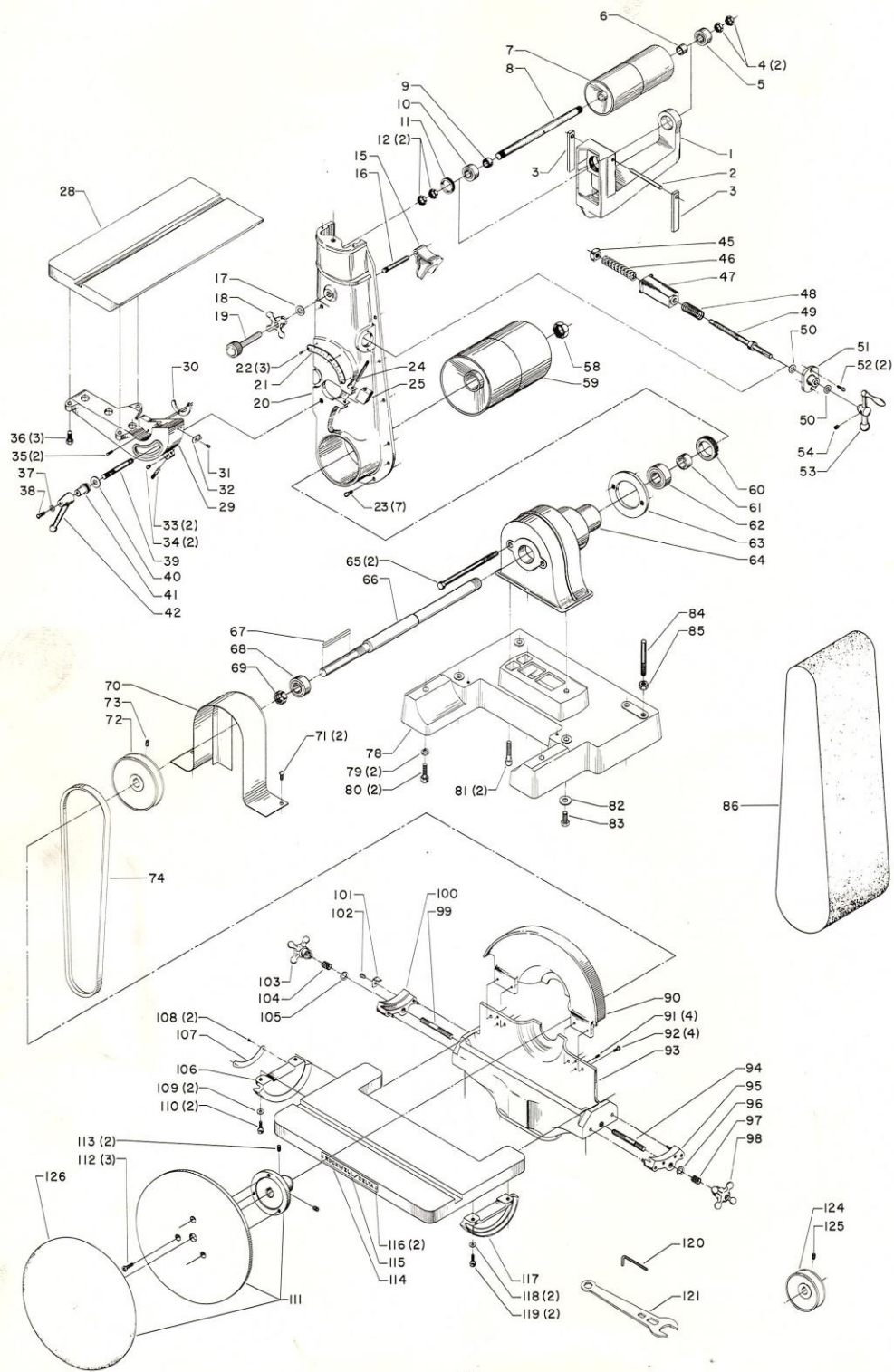
CAT. NO. 1403 BACK STOP

An excellent accessory for finishing flat work because it prevents stock from being carried along with the belt. It is mounted to the sanding arm in place of the table.



CONTOUR FINISHING

Operator simply removes upper belt guard, then proceeds to contour finish stock on the idler drum.

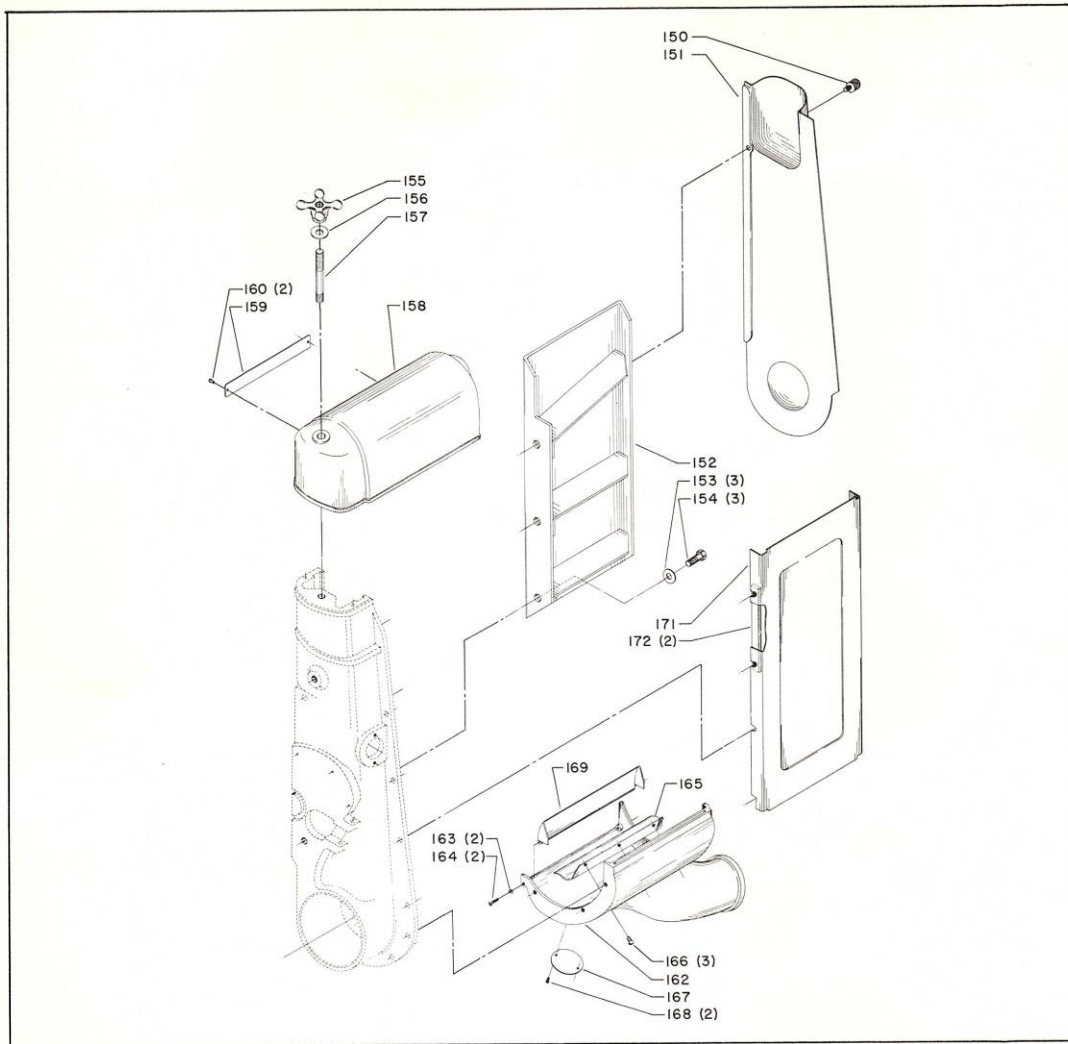


Replacement Parts

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
••	BS-204-S	Idler Drum Bracket Assembly, consisting of:	69	LBS-86	Bearing Nut
1	BS-204	Idler Drum Bracket	70	420-01-354-0003	Belt Guard Assembly
2	BS-232	Pin	71	SP-7528	1/4-20 x 1/2 Truss Hd. Screw
3	BS-231	Key	72	Cat. #41-084	5" Dia. Arbor Pulley (3/4 Bore), incl.:
4	BS-261	Hex. Nut	73	SP-206	5/16-18 x 5/16 Hex. Soc. Set Scr.
5	SP-5354	Bearing	74	Cat. #49-146	V-Belt
6	BS-262	Spacer Collar	78	420-01-005-0002	Base
7	BS-226-R	Idler Drum (Pair)	79	SP-1704	3/8 Lockwasher
8	BS-225	Idler Drum Shaft	80	SP-642	3/8-16 x 1 Hex. Hd. Screw
9	BS-229	Spacer Collar	81	901-03-011-9984	3/8-24 x 1 1/2 Soc. Hd. Cap Scr.
10	SP-5354	Bearing	82	SP-1606	7/16 x 1 x 5/64 Washer
11	DP-242	Bearing Closure Nut	83	SP-688	3/8-24 x 3/4 Hex. Hd. Screw
12	BS-261	Hex. Nut	84	BS-252	Stop Pin
15	BS-233	Belt Tension Lever	85	SP-1002	7/16-14 Hex. Nut
16	BS-236	Belt Tension Lever Pin	• 86	Cat. #1412	Belt (80 grit)
17	DSS-36	1/2 x .867 x 1/16 Fiber Washer	• 86	Cat. #1413	Garnet Belt (40 grit)
18	406-03-100-0001	Star Wheel	• 86	Cat. #1414	Aluminum Oxide Belt (100 grit)
19	406-03-412-0005	Belt Adj. Screw Assembly	• 86	Cat. #1415	Aluminum Oxide Belt (50 grit)
20	406-03-049-0002	Bracket	90	DS-4	Upper Guard
21	BS-250	Tilting Scale	91	J-44	#8-32 x 5/16 Headless Set Screw
22	SP-2250	#4 x 3/16 Drive Screw	92	SP-560	#10-32 x 7/16 Rd. Hd. Screw
23	SP-715	1/4-20 x 1/2 Fil. Hd. Screw	93	DS-5	Lower Guard
24	SP-2705	7/32 x 1 7/8 Roll Pin	94	DS-14	Stud
25	NJ-231	Stop Lock	95	DS-12-S	Clamp w/Pins
••	Cat. #1401	Tilting Table Assy., consisting of:	96	DDL-175	29/64 x 3/4 x 1/16 Washer
28	BS-206	Tilting Table	97	NCS-33	Coil Spring
29	BS-207-S	Trunnion, including:	98	NCS-32	Star Wheel
30	NJ-229	Segment	99	DS-14	Stud
31	SP-551	#10-32 x 1/4 Rd. Hd. Screw	100	DS-12-S	Clamp w/Pins
32	TCS-271	Pointer	101	420-01-075-0001	Pointer
33	NJ-233	1/4-28 x 1 Stop Screw	102	SP-502	1/4-20 x 1/4 Rd. Hd. Screw
34	NCS-177	1/4-28 x 1/4 Set Screw	103	NCS-32	Star Wheel
35	SP-2707	5/32 x 1/2 Roll Pin	104	NCS-33	Coil Spring
36	SP-688	3/8-24 x 3/4 Hex. Hd. Screw	105	DDL-175	29/64 x 3/4 x 1/16 Washer
37	SP-1603	1/4 x 9/16 x 3/64 Washer	••	DS-9-S	Trunnion Assy., consisting of:
38	SP-503	1/4-20 x 5/8 Rd. Hd. Screw	106	DS-9	Trunnion
39	BS-241	Stud	107	DS-8	Tilting Scale
40	SP-1606	7/16 x 1 x 5/64 Washer	108	SP-2252	#2 x 3/16 Drive Screw
41	NCS-361	Serrated Nut	109	SP-1603	1/4 x 9/16 x 3/64 Washer
42	SR-217	Clamp Handle	110	SP-612	1/4-20 x 5/8 Hex. Hd. Screw
45	SP-1304	7/16-14 Square Nut	111	Cat. #1430	Disk Assembly, including:
46	LBS-105	Spring	112	SP-761	1/4-20 x 1/2 Hex. Soc. Flat Hd. Scr.
47	BS-234	Sleeve	113	SP-201	5/16-18 x 5/16 Hex. Soc. Set Scr.
48	BS-245	Spring	114	DS-2	Table
49	BS-239-S	Shaft w/Collar	115	960-02-012-1420	Nameplate
50	DP-41	7/16 x 3/4 x 1/32 Fiber Washer	116	SP-2250	#4 x 3/16 Drive Screw
51	BS-235	Cap	117	DS-9	Trunnion
52	DDL-105	#10-32 x 7/16 Spec. Fil. Hd. Screw	118	SP-1603	1/4 x 9/16 x 3/64 Washer
53	NCS-59-S	Ball Crank, including:	119	SP-612	1/4-20 x 5/8 Hex. Hd. Screw
54	SP-225	5/16-18 x 1/4 Hex. Soc. Set Scr.	120	Cat. #194	5/16 Hex. Wrench
58	BS-224	Drive Shaft Nut	121	Cat. #1520	1 1/16 Open End & 5/8 Hex. Box Wrench
59	BS-219-S	Drive Drum (Pair)	• 124	Cat. #41-052	3 1/2" Dia. Motor Pulley (1/2 Bore), incl.:
60	BS-223	Bearing Retainer	• 125	SP-206	5/16-18 x 5/16 Hex. Soc. Set Screw
61	BS-221	Spacing Collar	• 124	Cat. #41-053	3 1/2 Dia. Motor Pulley (5/8 Bore), incl.:
62	SP-5339	Bearing	• 125	SP-206	5/16-18 x 5/16 Hex. Soc. Set Screw
63	BS-212	Clamp Ring	• 124	Cat. #41-054	3 1/2 Dia. Motor Pulley (3/4 Bore), incl.:
64	BS-202	Bearing Housing	• 125	SP-206	5/16-18 x 5/16 Hex. Soc. Set Screw
65	SP-639	7/16-14 x 5 1/2 Hex. Hd. Scr.	• 126	Cat. #1427	Garnet Belt, (50 grit) Pkg. of 6
66	420-01-106-0002	Drive Shaft	• 126	Cat. #1428	Garnet Belt, (60 grit) Pkg. of 6
67	927-03-010-2656	3/16 x 3/16 x 2 5/8 Key	•	Cat. #49-503	Disc Adhesive
68	SP-5338	Bearing			

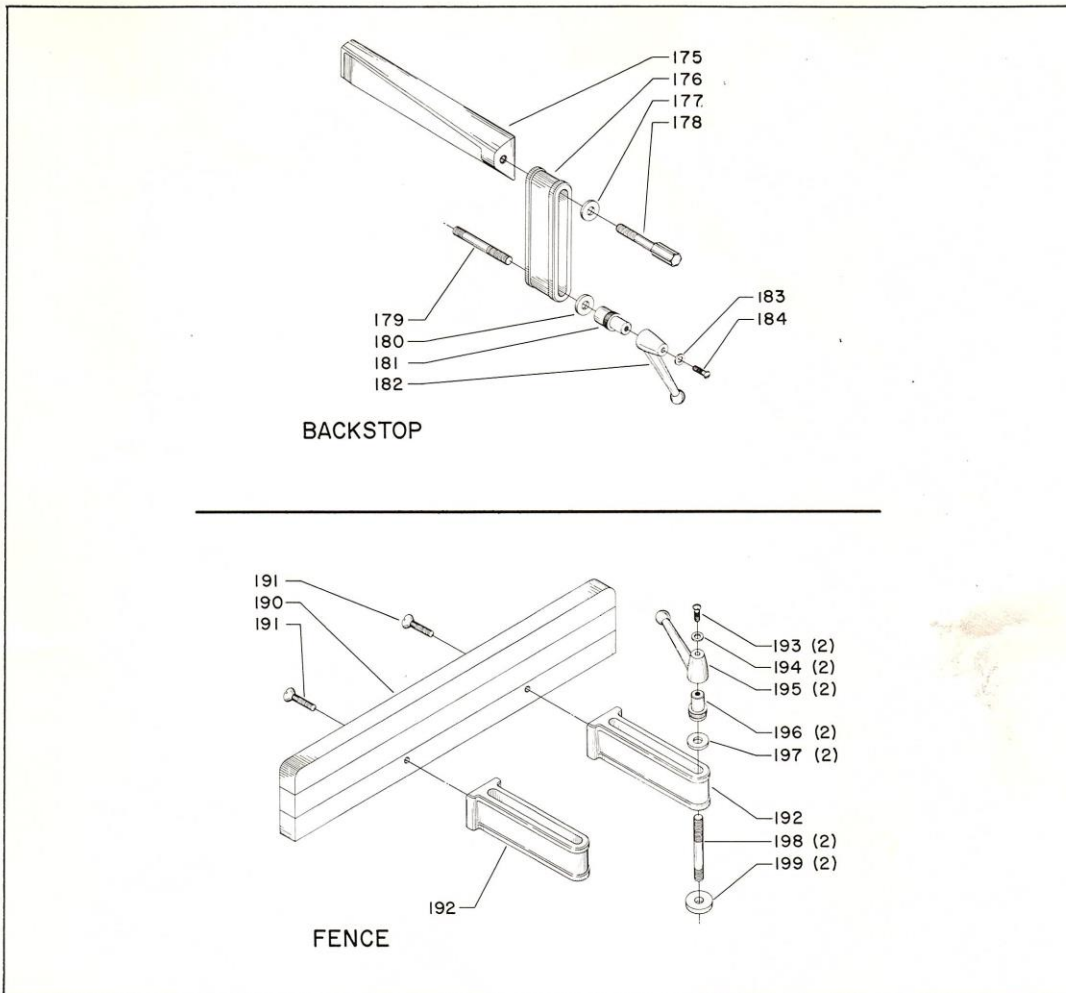
• These parts Are not furnished with Basic Machine.

•• Not shown assembled.



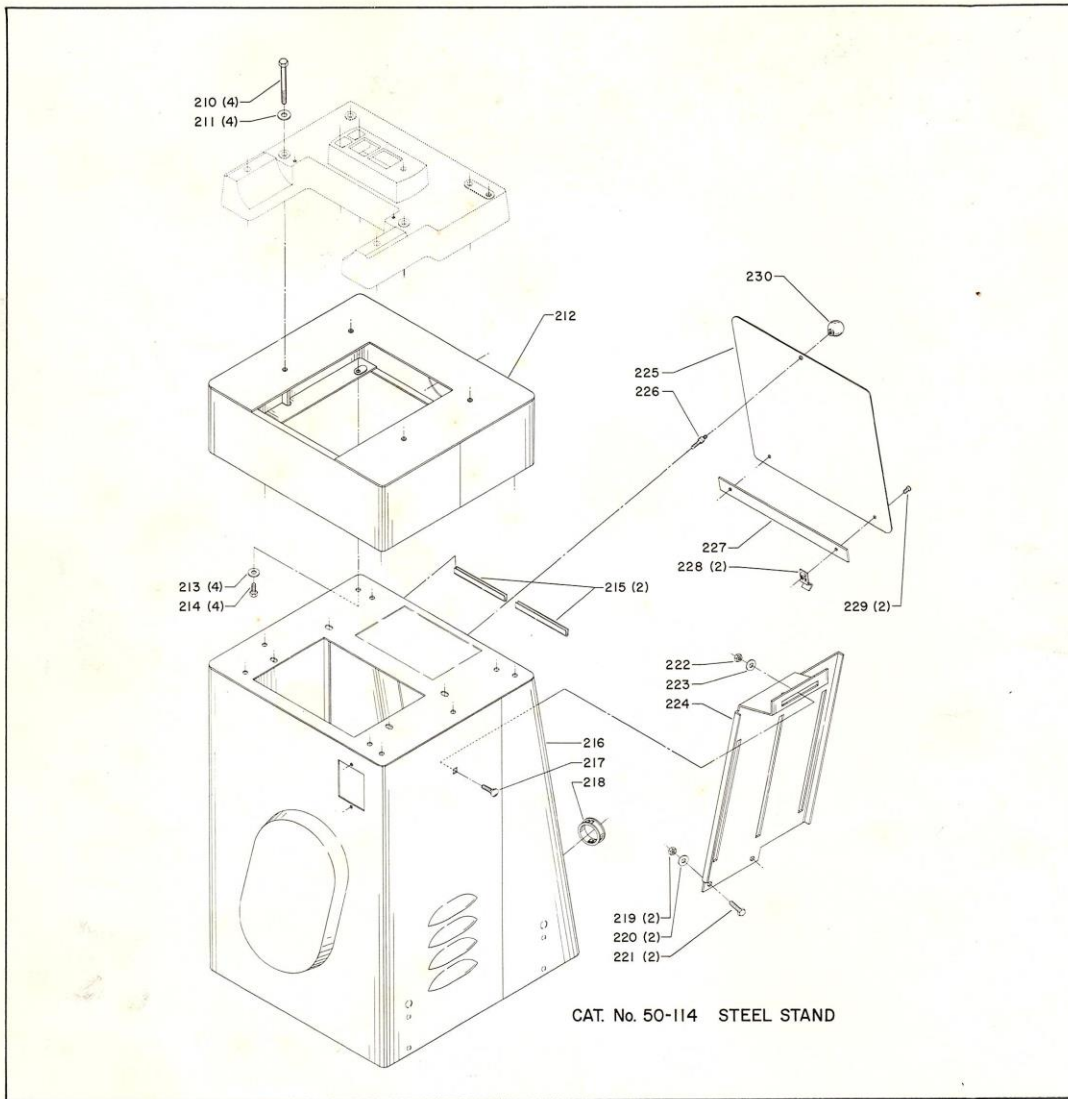
Replacement Parts

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
150	CBL-444	Spec. Thumb Screw	162	BS-209	Drive Drum Guard
151	BS-214	Side Guard	163	SP-1726	#8 Lockwasher
152	406-03-391-0003	Platen	164	SP-553	#6-32 x 1/2 Rd. Hd. Screw
153	SP-1605	3/8 x 7/8 x 1/16 Washer	165	BS-211	Dust Deflector
154	SP-640	3/8-16 x 3/4 Hex. Hd. Screw	166	901-02-010-7562	#10-32 x 5/16 Rd. Hd. Screw
155	NCS-32	Star Wheel	167	960-02-012-1426	Nameplate
156	DDL-175	29/64 x 3/4 x 1/16 Washer	168	SP-2252	#2 x 3/16 Drive Screw
157	BS-241	7/16-14 x 2 13/16 Stud	169	BS-210	Deflector Plate Guard
158	406-03-354-0013	Idler Drum Guard, incl. :	171	BS-215	Bottom Guard
159	960-02-012-1420	Nameplate	172	BS-242	Clamp Bar
160	LBS-63	Hollow Rivet			



Replacement Parts

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
ACCESSORIES - NOT FURNISHED WITH BASIC MACHINE					
	Cat. #1403	Backstop Assy., consisting of:	194	SP-1603	1/4 x 9/16 x 3/64 Washer
175	BS-246	Back Stop	195	SR-217	Clamp Handle
176	BS-247	Link for Back Stop	196	NCS-361	Serrated Nut
177	DDL-174	Spec. Steel Washer	197	DDL-174	Spec. Steel Washer
178	DDL-258	Spec. Clamp Screw	198	BS-241	7/16-14 x 2 13/16 Stud
179	BS-241	7/16-14 x 2 13/16 Stud	199	BS-257	29/64 Spec. Washer
180	DDL-174	Spec. Steel Washer	*	Cat. #865	Clamp Attachment for Miter Gage
181	SF-18	Serrated Nut	*	Cat. #34-833	Miter Gage
182	SR-217	Clamp Handle	*	Cat. #49-254	18 Gallon Vacuum Cleaner 115V, 1 Phase
183	SP-1603	1/4 x 9/16 x 3/64 Washer	*	Cat. #49-255	28 Gallon Vacuum Cleaner 115V, 1 Phase
184	SP-503	1/4-20 x 5/8 Rd. Hd. Screw	*	Cat. #49-579	"Y" Connector for Vacuum Cleaner
	Cat. #1410	Fence Assy., consisting of:	*	Cat. #49-589	Adapter for Vacuum Cleaner (belt unit)
190	BS-249	Fence	*	Cat. #50-140	Adapter for Vacuum Cleaner (disc unit)
191	SP-409	5/16-18 x 1 1/4 Flat Hd. Screw.	*		Not shown.
192	BS-248	Fence Bracket			
193	SP-503	1/4-20 x 5/8 Rd. Hd. Screw			



Replacement Parts

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
ENCLOSED STEEL STAND - (NOT FURNISHED WITH BASIC MACHINE)					
210	SP-645	3/8-16 x 3 Hex. Hd. Screw	220	SP-1605	3/8 x 7/8 x 1/16 Washer
211	SP-1606	7/16 x 1 x 5/64 Washer	221	SP-649	5/16-18 x 1 Hex. Hd. Screw
212	436-01-310-0004	Riser Block Assembly	222	SP-1300	5/16-18 Hex. Nut
213	SP-1605	3/8 x 7/8 x 1/16 Washer	223	SP-1605	3/8 x 7/8 x 1/16 Washer
214	SP-606	5/16-18 x 5/8 Hex. Hd. Screw	224	436-01-072-0008	Motor Plate
215	436-01-016-0001	Bumper (Cement to top edge of door opening)	225	436-01-331-0005	Cover Assembly, includes:
216	436-01-318-0005	Cabinet Assembly	226	436-01-111-0002	Spec. Stud
217	SP-808	5/16-18 x 1 Carriage Bolt	227	436-01-088-0002	Stop
218	438-01-011-0020	Insulator	228	961-04-041-3410	Latch
219	SP-1300	5/16-18 Hex. Nut	229	SP-593	#10-24 x 3/8 Binding Hd. Scr.
			230	MCL-222	Knob