



# EDGEMASTER



## COMPLETELY AUTOMATIC OPERATION FOR FLANGING METAL



Requires no skill, merely start the edge of the metal piece into the flanging rolls after turning the starting edge approximately 45 degrees in the flange starter block. The Edgemaster will complete the rest of the job.

### ADAPTABLE TO MANY TYPES OF METAL

Galvanized iron, aluminum, copper, or similar types of metal in a wide range of gauges. The hand lever can be set for changing from heavy to medium to light gauge galvanized iron.

### FLANGE ROLL LIFT PEDAL

The flange roll can be elevated by depressing the foot operated lift pedal. This will release the sheet metal being flanged anywhere along the contour of the flange line without distorting the flange or metal. This lift feature can also be used to advantage in starting or stopping a piece of metal anywhere along the contour of the flange line.

### COLLAR ROLLER ATTACHMENT

This attachment allows the forming and flanging of roll collars to a desired radius in one operation. Furnished as standard equipment.

#### OPTIONAL ACCESSORY

Flange Roller attachment for turning back  $\frac{3}{16}$ " flange 180° on circular edges.



## SPECIFICATIONS

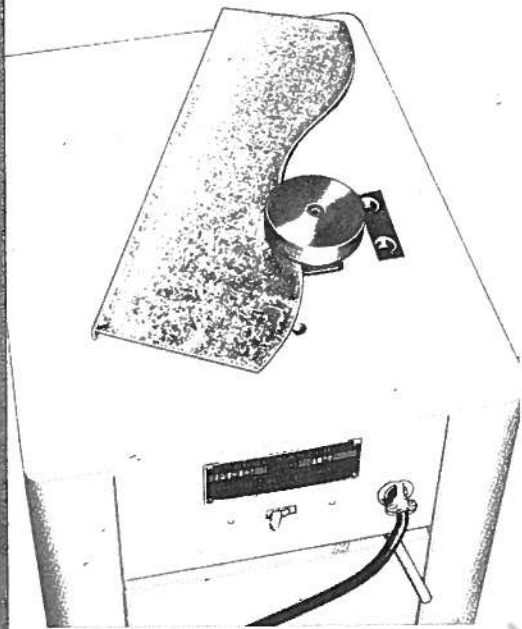
MODEL	FLANGE DEPTH	MAXIMUM CAPACITY	OVERALL DIMENSIONS			MOTOR	APPROXIMATE SHIPPING WEIGHT
			HEIGHT	WIDTH	DEPTH		
316-3	3/16"	20 GAUGE MILD STEEL or EQUIVALENT	36"	16"	20"	1/3 H.P. 110 VOLTS 60 CYCLE AC CURRENT ONLY	155 LBS.



# EDGEMASTER

APPLICATIONS

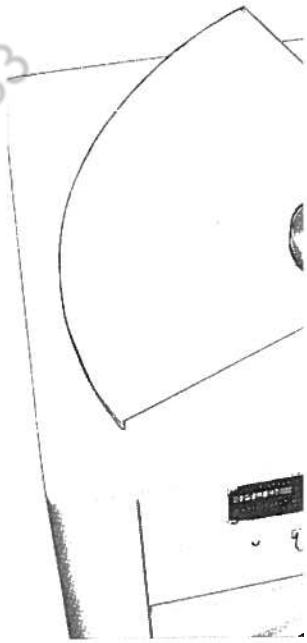
## FORMS 3/16 INCH RIGHT ANGLE FLANGE AUTOMATICALLY



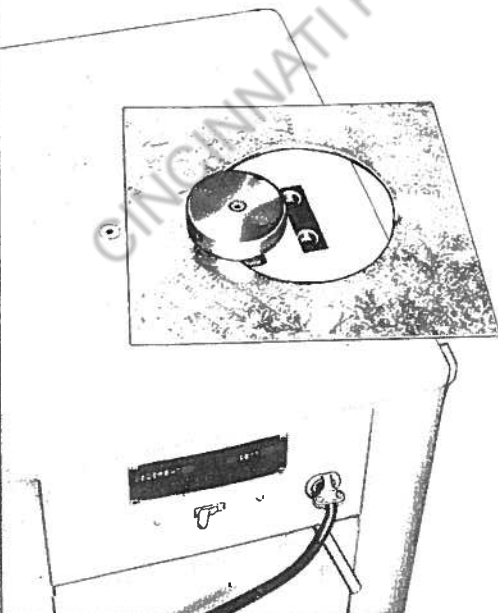
RADIUS OR STRAIGHT  
FLANGING



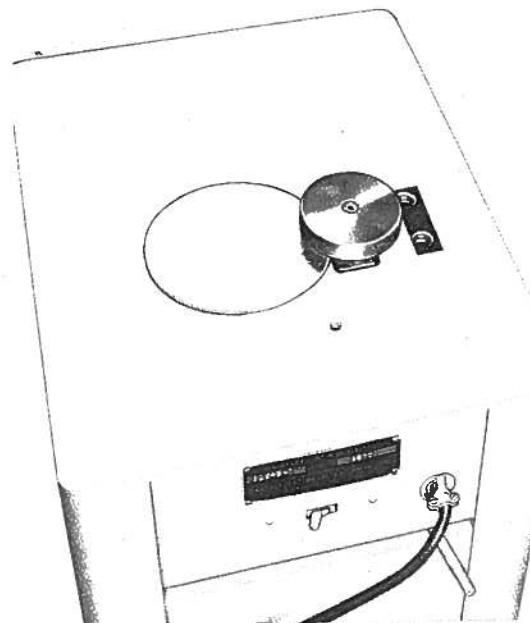
FROM OUTSIDE TO INSIDE RADIUS  
FLANGING AUTOMATICALLY



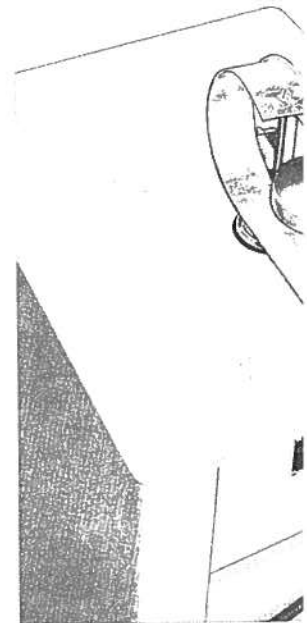
OUTSIDE OR  
RADIUS FLA



INSIDE CIRCULAR  
FLANGING



OUTSIDE CIRCULAR FLANGING



COLLAR R  
AND FLA

MODEL 316-3 EDGEMASTER ADJUSTMENT INSTRUCTIONS

**CALLY**

READ BEFORE OPERATING MACHINE

The lever extending from the front of the cabinet (just below power switch) is used for setting the machine for running either heavy or light gauge metal. Twenty gauge galvanized is maximum capacity.

Most general shop work can be done with lever set at the medium (M) position. On extremely light gauge metal, position the lever toward (L) until machine feeds pieces without slipping.

When flanging aluminum, the rolls should be farther apart, requiring that the lever be moved toward heavy (H).

Before turning machine on, remove front lower panel and fill oil well to within 3/16" of bottom of bronze worm gear. Use only special WORM GEAR OIL as supplied with unit. Check oil lever frequently.

Any other type of oil or grease will greatly shorten life of bronze gear.

ENGEL EQUIPMENT, INC.  
8122 Reilly Avenue  
St. Louis 11, Missouri



**OR INSIDE  
FLANGING**



**ROLLING  
FLANGING**

**Ave.**

**EEM-562**

CINCINNATI PRECISION MACHINERY 515-20-4123

Flange Roller Assembly  
 (Accessory)

Setting Up, Maintenance,  
 Adjustments, and Operating

**EDGEMASTER FLANGER (Rotary Type) MODEL 316-3**

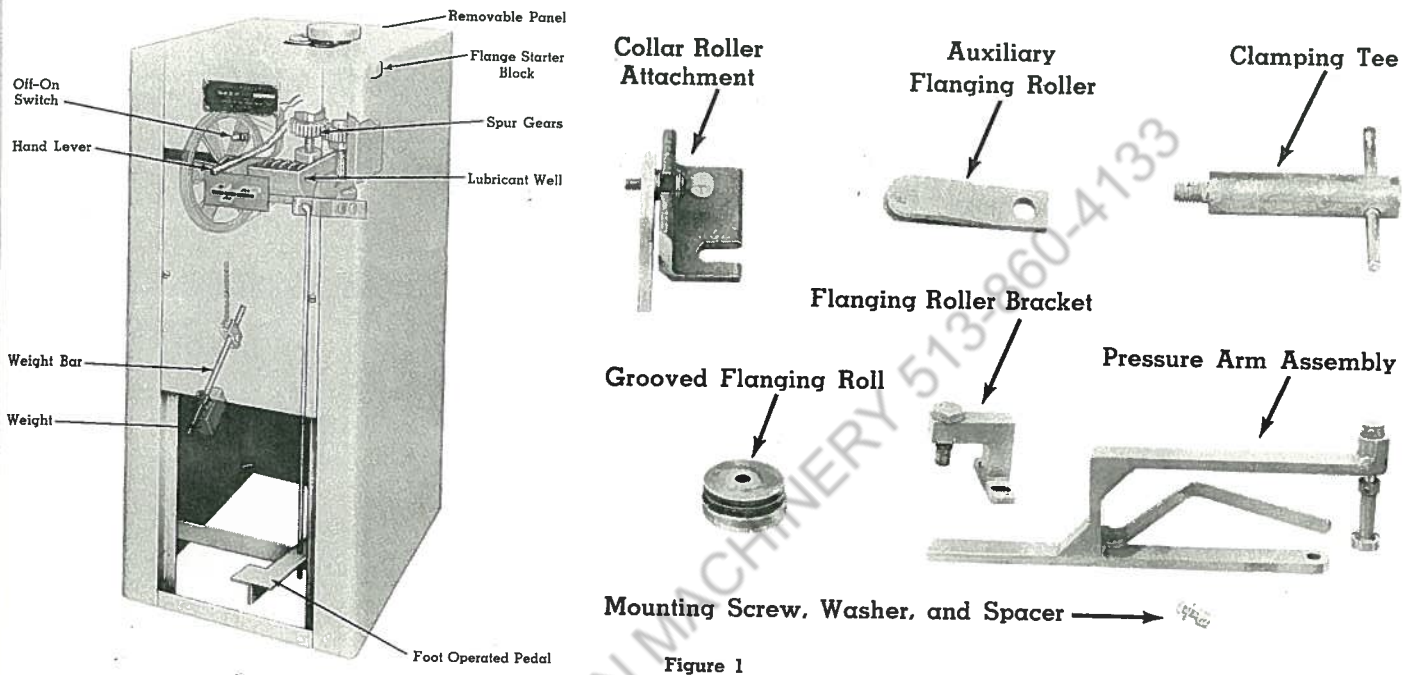


Figure 1

**ITEMS INCLUDED IN SHIPMENT:**

- 1 Carton:**  
 EDGEMASTER FLANGER  
 Collar Roller Attachment  
 Auxiliary Flanging Roller  
 Clamping Tee  
 Can of Lubricant  
 Three Weights (light, medium and heavy)

- NOTE:** If Flange Roller Assembly is ordered as an accessory:  
 Pressure Arm Assembly  
 Flanging Roller Bracket Assembly  
 Grooved Flanging Roll (Mounted on Flanger if assembly is ordered with Flanger)  
 Mounting Screw, Washer, and Spacer

**SETTING UP AND MAINTENANCE INSTRUCTIONS**

Supply an electrical circuit for the pig tail cord connection on the EDGEMASTER flanger to operate the 1/3 H. P., 110 volt, single phase, 60 cycle, A. C. motor.

Before using this tool, apply the graphite jelly grease furnished with this tool in the lubricant well, identified in the inset of Fig. 1, to an approximate level of one inch (1") above the bottom of this well. Check this periodically.

**NOTE:** Too much grease will cause spillage over the walls of this well. Also apply this grease before using this tool and every four (4) months, on the two (2) spur gears above the lubricant well, see inset of Fig. 1, because these gears are not self-lubricated from the lubricant well. Also add a few drops of oil on the knurling of the flanging drive roll, identified in Fig. 2, to prevent accumulation of galvanized flaking on this wheel as much as possible. The motor requires no lubrication.

Setting up instructions for installing one of the three (3) weights on the weight bar, for flanging close radius circular pieces, for forming and flanging collars, and for turning back a 3/16" flange 180 degrees are explained under ADJUSTMENTS AND OPERATING INSTRUCTIONS.

ROLLING

ve.

## ADJUSTMENTS AND OPERATING INSTRUCTIONS

The flanging drive roll is knurled on the top surface and on the side surface to pull metal into the flanging rolls for automatic feeding of metal.

The flanging roll overlaps the drive roll for forming the 3/16" flange. See Fig. 2.

The self-positioning pressure roll, on the outlet side of the flanging rolls, automatically exerts pressure on a piece of metal being flanged to eliminate manual pressure or guiding. See Fig. 2.

The guide support, on the inlet side of the flanging rolls, is held in a fixed position to steady the metal as it enters the flanging rolls. See Fig. 2.

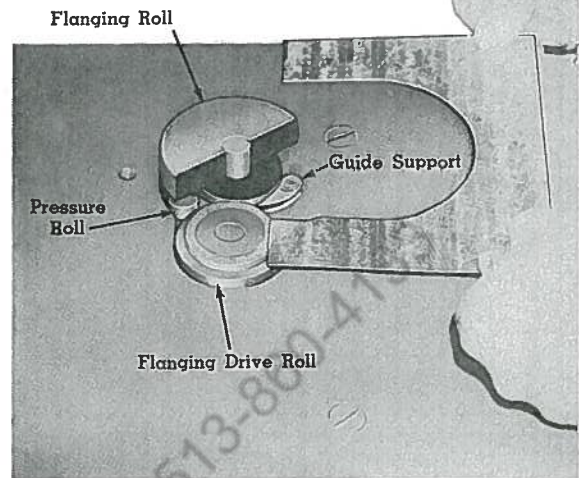


Figure 2

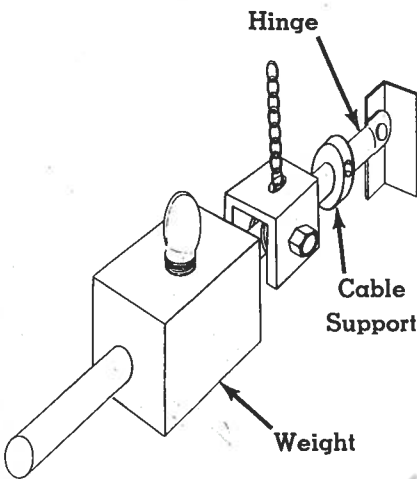


Figure 3

The foot operated pedal, shown in the inset of Fig. 1, can be depressed downward to lift the flanging roll. This lift feature makes it possible to insert or remove metal anywhere along the flange edge without distorting the flange or metal.

The adjustment of the weight on the weight bar assembly to control the pressure exerted by the pressure roll is accomplished as follows:

The pressure exerted by the pressure roll is controlled by the size weight used on the weight bar, the position of the weight on the weight bar, and the cable support position on the weight bar. Pressure is increased by adding a heavier weight, or by moving the weight toward the end of the weight bar, or, by moving the cable support toward the weight bar hinge. Slide the medium weight on the weight bar approximately one-half the distance from the weight bar hinge and the end of the weight bar and tighten the thumb bolt. This weight adjustment should handle inside radius, outside radius, and straight edge flanging of 24, 26, and 28 gauge galvanized iron.

**NOTE:** Reduce the weight if over-flanging occurs. Increase the weight if flange lacks precision and uniformity.

For flanging 30 gauge galvanized iron it is necessary to reduce the weight on the weight bar.

For flanging galvanized iron in heavier gauges than 24 gauge and thru 20 gauge, it is necessary to increase the weight on the weight bar.

For flanging aluminum, use little or no weight on the weight bar.

The vertical clearance between the flanging rolls for changing from light to medium to heavy gauge (30 gauge mild steel through 20 gauge mild steel or equivalent) is controlled by changing the hand lever in the front panel of this tool. The horizontal clearance between the flanging rolls, .002 on the guide support side of the tool, is set by our factory. If this clearance drifts out of adjustment, loosen lock nut on bolt "A", identified in Fig. 4, and turn this bolt clockwise to increase and counterclockwise to decrease.

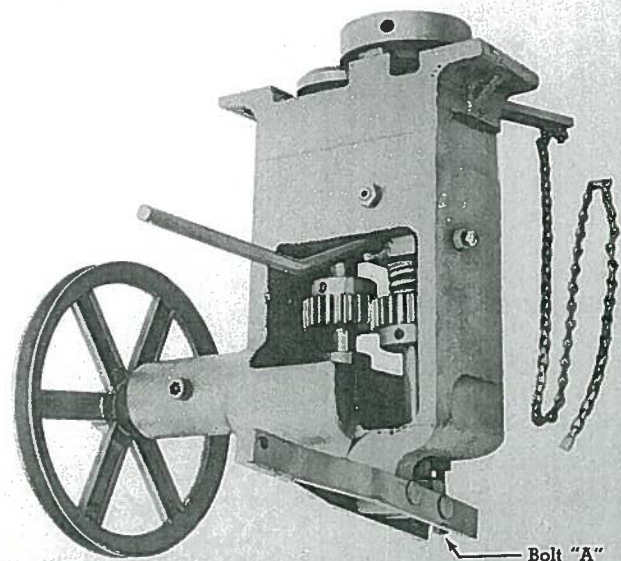


Figure 4

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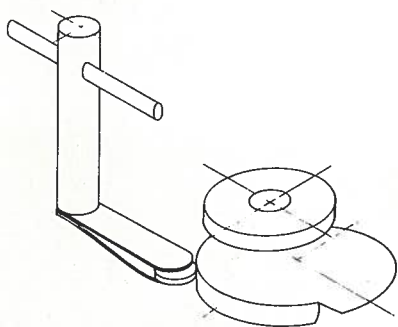


Figure 5

Mount the Auxiliary Flanging Roller with the Clamping Tee, on the flanger top as shown, Fig. 5, for flanging circular pieces having an extremely close radius which cannot be held in position for flanging by the automatic pressure roll.

Mount the Collar Roller Attachment with the Clamping Tee on the flanger top, as shown, Fig. 6, for forming and flanging round collars to a desired radius.

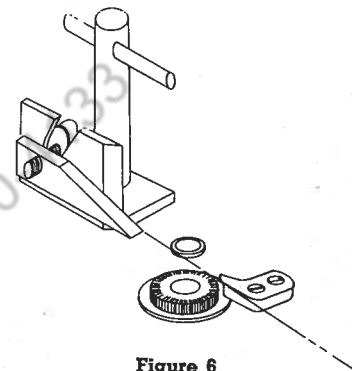


Figure 6

Mount the Flange Roller Assembly on the flanger top as shown, Fig. 7, for turning back a 3/16" flange on circular pieces 180 degrees. Move the hand lever in the front panel, see the inset of Fig. 1, to the letter "M". Turn the stud of the flanging roller bracket clockwise as far as possible. Then move the hand lever from "M" towards "L" until the surface in the shaft hole of the Grooved Flanging Roll gently contacts the machined edge of the flanging roller bracket stud. (This stud will then prevent springing or bending the flanging roll shaft.)

To flange circular pieces 180 degrees, first turn the flange back approximately 130 degrees in the lower groove of the Grooved Flanging Roll and then back 180 degrees in the upper groove of the Grooved Flanging Roll. (It is suggested that the 3/16" flange be hand closed at several places along the circumference to facilitate the automatic flange closing operation.)

NOTE: Lubricate all friction points of the assembly with number 20 weight oil frequently.

To flange metal you merely turn the starting edge of the flange approximately 45 degrees in the flange starter box and feed this starting edge into the flanging mechanism as follows:

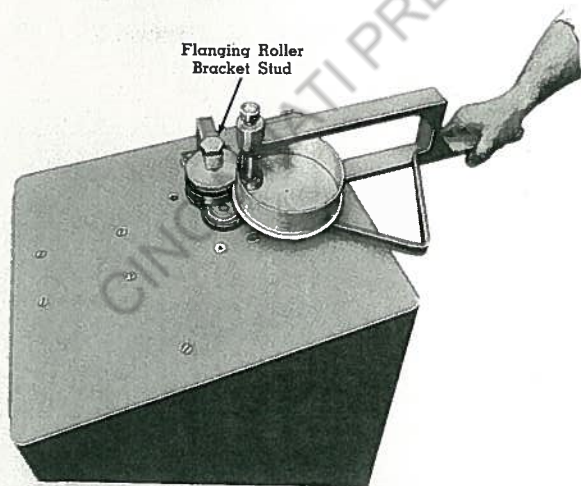


Figure 7

Set the piece to be flanged on the knurled drive roll so that the starting edge of the flange is approximately 1/4" from the convex point of the perimeter of the flanging roll and the perimeter of the knurled drive roll.

Direct the piece to be flanged so that the contour of the edge to be flanged, when and after flanging is started, will continue through a line of travel (which can be considered a hypothetical line) from the tip of the guide support and then through the vertical clearance between the flanging drive roll and the offset edge of the flanging roll. This hypothetical line of travel is shown as a dotted line on Fig. 8 and Fig. 9. A few minutes of practice in starting metal pieces into the flanging mechanism of this tool will enable one to do an excellent job of flanging.

The correct and wrong ways to start pieces of metal for flanging on this tool are shown in Figures 10 through 18.

After the piece to be flanged is properly directed, allow the piece to ride the knurl surface of the drive roll past the guide support and then to the flanging rolls. After the flanging rolls grip the metal and after the pressure roll is automatically positioned, remove hands and let the automatic features built into this tool do the rest.

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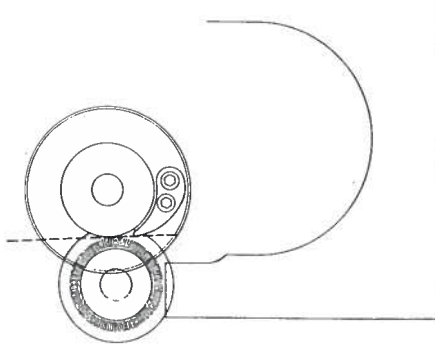


Figure 8

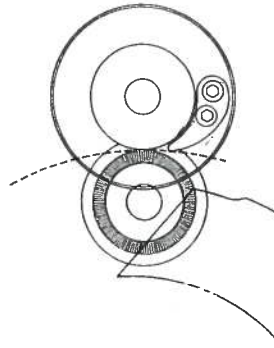


Figure 9

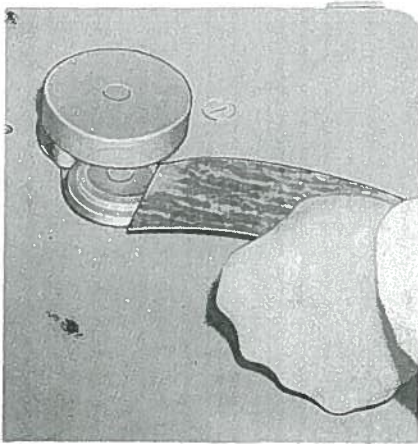


Figure 10—correct

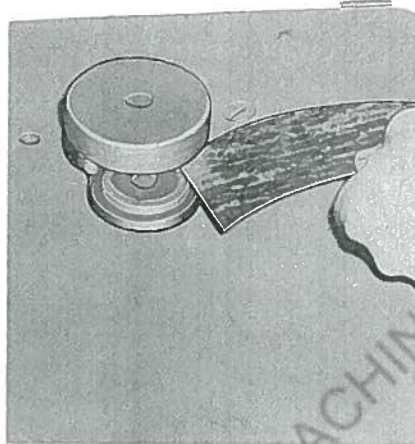


Figure 11—wrong



Figure 12—wrong

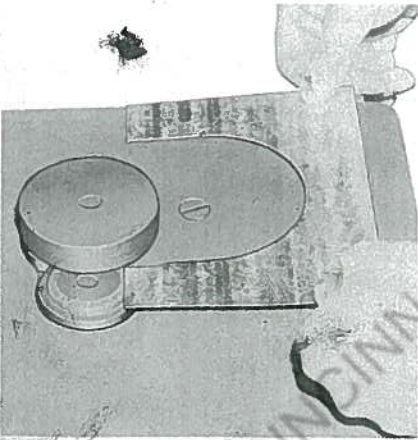


Figure 13—correct

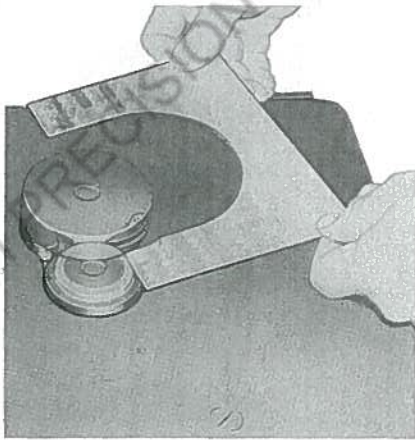


Figure 14—wrong

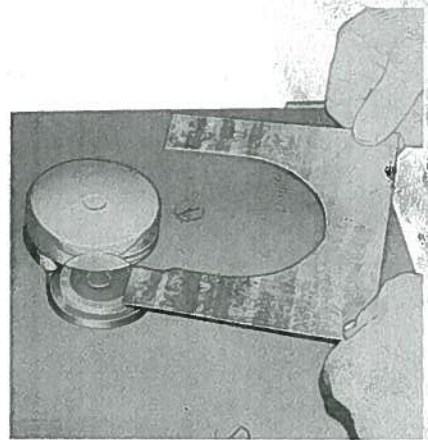


Figure 15—wrong

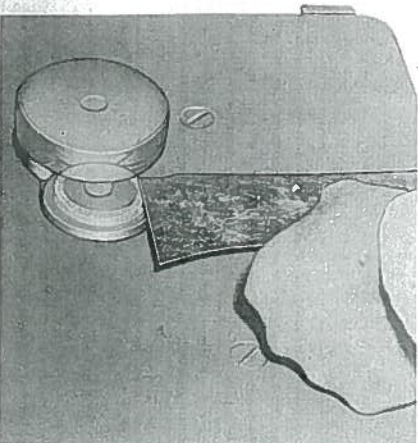


Figure 16—correct

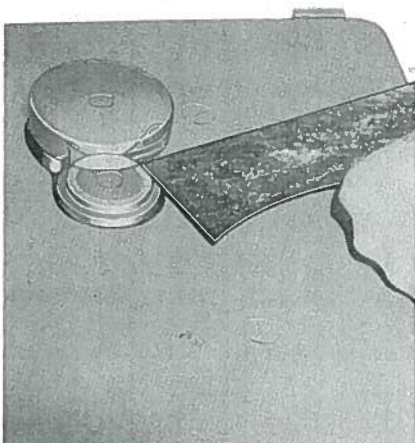


Figure 17—wrong

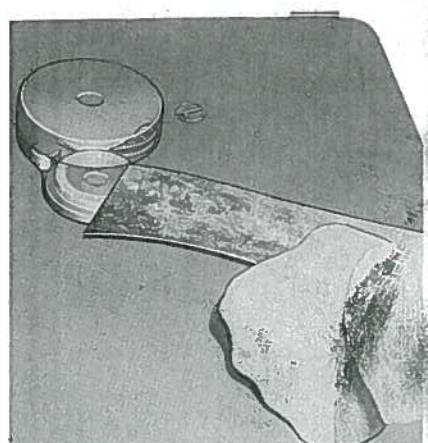


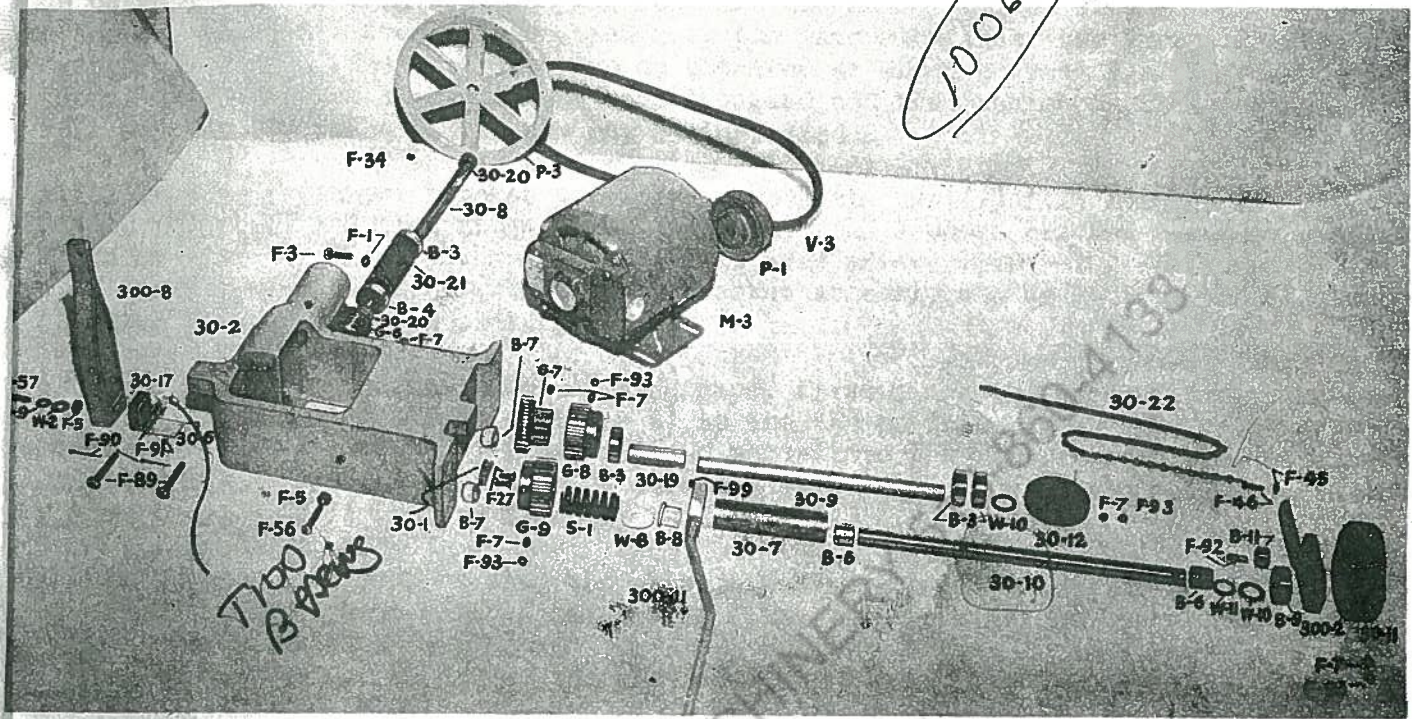
Figure 18—wrong



Part No.	Qty.
30-1	
30-2	
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30-11	
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300-2	
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300-11	
G-6	
G-7	
G-8	
G-9	
B-3	
B-4	
B-6	
B-7	
B-8	
B-9	
B-11	

# ENGEL EQUIPMENT, Inc.

100608



## EDGEMASTER FLANGER PARTS LIST - MODEL 316-3

Part No.	Qty. Per Unit	DESCRIPTION	Part No.	Qty. Per Unit	DESCRIPTION
30-1	1	Guide Support ("Wiper")			
30-2	1	Flanger Case Casting			
30-6	1	Nylon Thrust Bearing Support	W-2	1	WASHERS
30-7	1	Eccentric Sleeve	W-8	1	3/8 ID Washer
30-8	1	Drive Shaft	W-9	1	Nylon Thrust Washer
30-9	1	Knurled Roll Shaft	W-10	1	5/16 ID Washer
30-10	1	Top Roll Shaft	W-11	2	21/32 ID Spacer Washer
30-11	1	Top Flanging Roll		1	5/8 ID Rubber Bearing Seal
30-12	1	Knurled Flanging Drive Roll	F-1	1	FASTENERS
30-17	1	Thrust Block	F-3	1	3/8 Hex Nut
30-19	1	Spacer	F-5	1	3/8 x 1 Socket Hd. Cap Screw
30-20	2	Spacer	F-7	2	1/4 - 20 Hex. Nut
30-21	1	Spacer	F-27	6	5/16 x 3/8 Dog Pt. Socket Set Screw
30-22	1	Chain	F-34	2	#10 - 32 Flat Hd. Socket Screw
300-2	1	Pressure Roll Support Block Assembly	F-45	1	5/16 x 3/8 Cup Pt. Socket Set Screw
300-8	1	Yoke	F-46	1	3/16 Square Nut
300-11	1	Adjusting Arm Assembly	F-56	1	3/16 - 3/4 Rd. Hd. Screw
G-6	1	GEARS	F-57	1	1/4 - 20 x 1-1/2 Rd. Hd. Screw
G-7	1	Worm (Hardened & Ground)	F-89	1	1/4 - 20 x 2 Socket Hd. Screw
G-8	1	Bronze Worm Gear w/Set Screw	F-90	2	1/4 x 2 Rd. Hd. Rivet
G-9	1	Steel Spur Gear w/Set Screw	F-91	2	1-3/8 Long Cotter Pin
		Steel Spur Gear w/Set Screw and Spring Recess	F-92	1	Drive Nail
B-3	4	BEARINGS	F-93	1	Special Spring Pin
B-4	1	#1623 DS Ball Bearing	F-99	4	Locking Set Screw (Hollow)-5/16
B-6	2	#1623 DC Ball Bearing		1	5/16 x 1/2 Half Dog Socket Set Screw
B-7	2	#B-1012-OH Needle Bearing	S-1	1	MISCELLANEOUS
B-8	1	Nylon Thrust Cup	P-1	1	5/8 ID Square Wire Spring
B-9	1	Nylon Flanged Bearing	M-3	1	Motor Pulley (Adjustable)
B-11	1	#3023 DS Ball Bearing	P-3	1	1/3 H.P., 110 V.A.C., single phase, 60 cycle, 1725 rpm - Motor
		#WC 87036 Ball Bearing	V-3	1	8" Drive Pulley
					"V" Belt #4L390



INSTRUCTIONS FOR INSTALLING CAP CLOSING ATTACHMENT TO 316-3 FLANGER  
INSTRUCTIONS FOR CAP CLOSING

Top flanging roll must first be installed on existing machine. It is suggested that clearance between the existing top flanging roll and the knurl roll be checked before removing existing top flanging roll from machine, and keep the same clearance when installing the new flanging roll 30-28. The clearance can be obtained as shown on page 2 of Edgemaster Flanger Instructions. After proper clearance has been obtained and the machine is flanging normally, roll support bracket assembly now may be installed.

To install 300-13 roll support bracket assembly, remove the two (2) flat head screws in holes "A" on sheet 1, figure 1) and then align holes in 300-13 roll support bracket assembly with holes "A" shown on sheet 1, figure 1, and replace flat head screws with F-102 bolts and W-7 washer on sheet 1, figure 2. 300-13 support bracket assembly can be left on the machine for flanging and also for cap closing.

To set the machine into operation for closing caps, first place the eccentric bushing handle "M" of the machine (see sheet 1, figure 1) to the "M" position, then take roll support assembly #300-14 (see sheet 1, figure 2) and screw into the roll support bracket assembly until nut F-103 on the roll support stud assembly is flush with the roll support bracket and in the hole of the top flanging roll #30-28.

NOTE: 300-14 roll support stud assembly must clear the top flanging roll #30-28 by 3/8 of an inch when using flanger for operations other than cap closing.

To install 300-12 pressure handle assembly to cabinet, insert F-40 bolt (see sheet 1, figure 3) with W-8 washer, 30-27 bushing, and through hole in 300-12 pressure handle assembly, and insert F-40 bolt into tapped hole "F" until pressure handle assembly is held firmly in place but can turn.

Shaft assembly #300-15 is set correctly when leaving the factory, but in shipment or continuous use, the set screws might loosen, causing cap closing attachment to function poorly. Repositioning B-3 bearing for position #1 and position #2 can be accomplished as follows: Collars #30-3 have set screws which can be loosened, allowing 30-3 collars to slide down to obtain the position desired. The positions desired for B-3 bearings is as shown on sheet 1, figure 4. After B-3 bearing is set in its proper position, tighten set screws.

Cap closing is done in two (2) operations, first place open end of cap around 300-15 bearing assembly, and place cap at point where it has been hand closed for starting in the lower position of the top flanging roll 30-28 (see sheet 1, figure 4). Turn the machine on and apply pressure to cap by pushing clockwise on pressure handle assembly. When cap has turned one full revolution, release pressure on the pressure handle assembly, which will allow cap to be released from top flanging roll 30-28. For second operation, lift cap up and insert into upper groove of top flanging roll 30-28 and repeat the same as in operation #1.

- REMARKS:
1. It is suggested that the cap be hand closed at four (4) places equal distances apart.
  2. Lubricate frequently with 20 weight oil or equal at contact point of 300-14 roll support stud assembly and hole in top flanging roll #30-28 while closing caps.

ENGEL SHEET METAL EQUIPMENT, INC.  
8122 Reilly Avenue  
St. Louis 11, Missouri

FIGURE 1

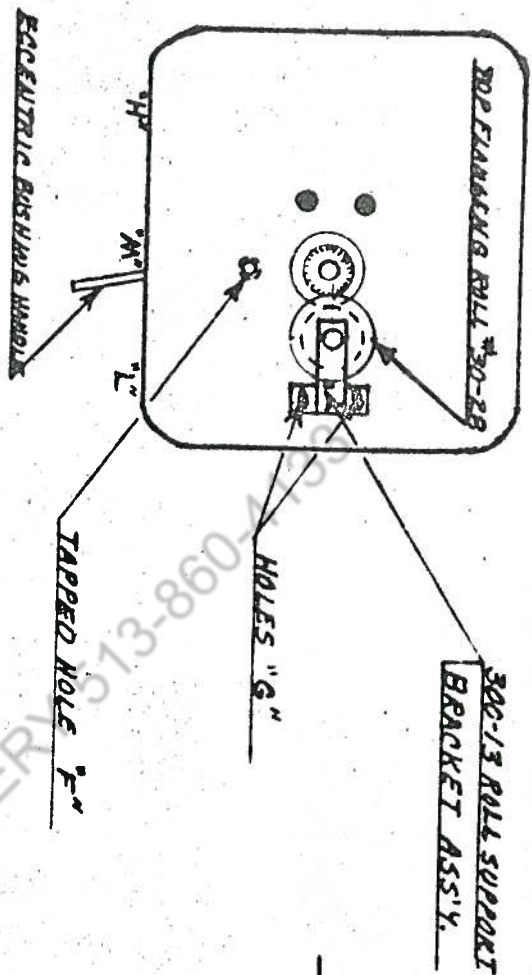


FIGURE 2

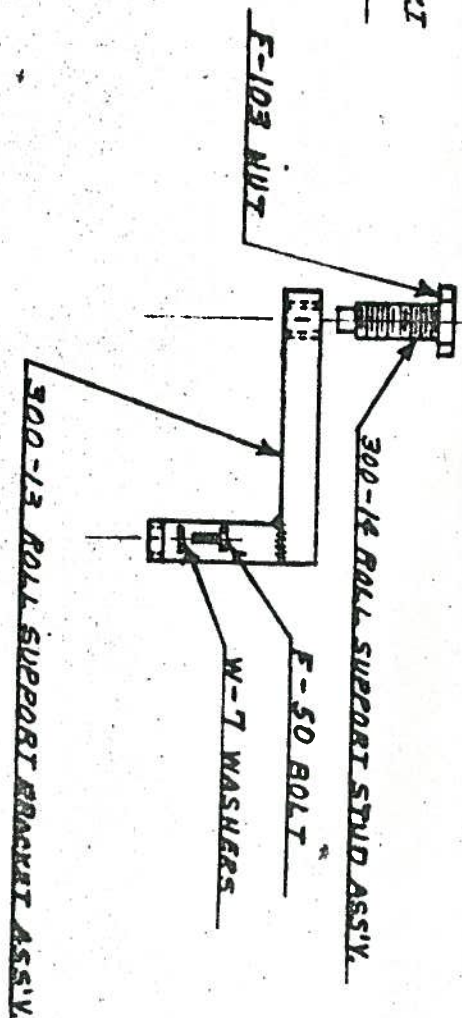


FIGURE 3

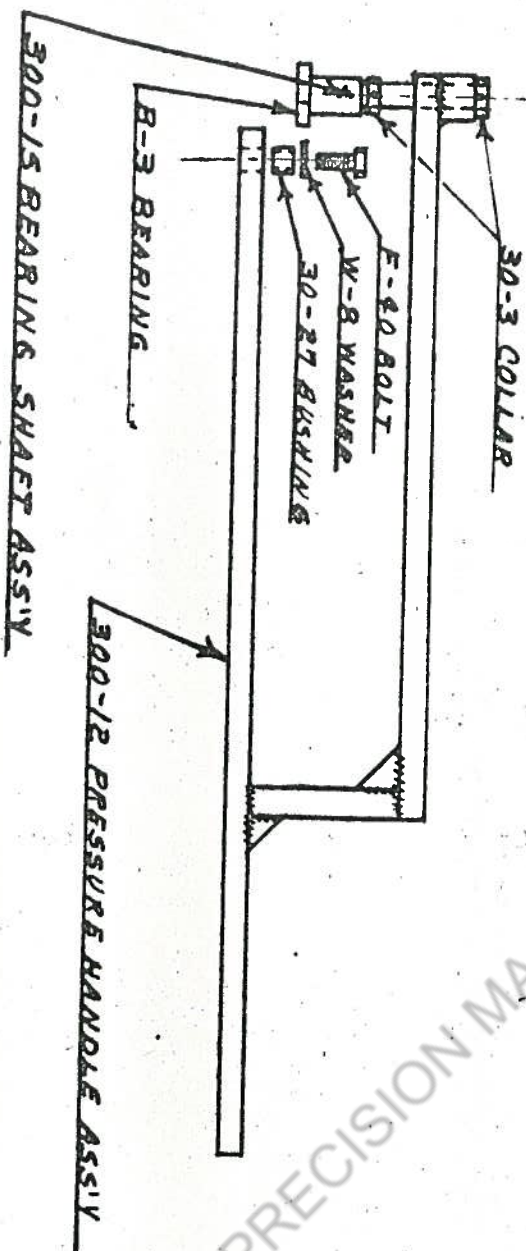
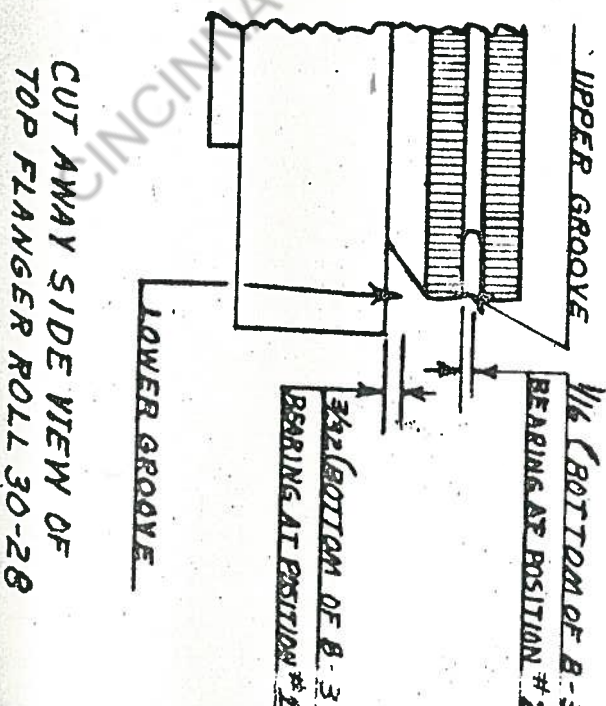


FIGURE 4



**ENGEL  
INDUSTRIES****Summarized Bill of Material**

Date: 01/21/2000

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Page # 1

All Part Numbers, Ordered by PART NUMBER

Part No Equal to M-316-3

None, All Dates

Parent Part No M-316-3

Rev 000

Effectivity Date 01/21/2000

Description EDGEMASTER FLANGER 3/16 20 GA.

Last Revision / /

Component Part No	Rev	Description	Quantity	U/M	Source	No Uses
1067460	000	SPACER 2 LG.	1.00	EA	Stock	1
1073851	000	316-3 WELDMENT	1.00	EA	Stock	1
1073851-10	000	BAR CAP	1.00	EA	Stock	1
1073852	000	MAIN BODY	1.00	EA	Stock	1
1073852-2	000	END CAP-EDGEMASTER MAIN BODY	1.00	EA	Stock	1
1073852-2-M	000	END CAP FOR EDGEMSTR.MAIN BODY	1.00	EA	Stock	1
1073852-M	000	MAIN BODY (LABOR ONLY)	1.00	EA	Stock	1
1073853	000	MOUNTING ANGLE	2.00	EA	Stock	1
1073854	000	LEFT SIDE PLATE	1.00	EA	Stock	1
1073855	000	RIGHT SIDE PLATE	1.00	EA	Stock	1
1073856	000	GREASE WELL WALL	1.00	EA	Stock	1
1073857	000	DRIVE SHAFT HOUSING	1.00	EA	Stock	1
1073858	000	BASE PLATE	1.00	EA	Stock	1
1073859	000	PIVOT BLOCK	1.00	EA	Stock	1
1073860	000	WIPER BLOCK	1.00	EA	Stock	1
1075408	000	SHAFT SPACER	1.00	EA	Stock	1
1076325	000	HANGER BRKT. - TRACK BRG.	1.00	EA	Stock	1
1081835-1	000	SPACER - 316-3 FLANGER	2.00	EA	Stock	1
2252	000	ANGLE BRACKET	1.00	EA	Stock	1
2768-1	000	ROLL DRIVE GEAR - SOLID	1.00	EA	Stock	1
2768-2	000	ROLL DRIVE GEAR - C*TRD/BORED	1.00	EA	Stock	1
2788	000	WIPER	1.00	EA	Stock	1
2789	000	COLLAR ROLLING ATTACH HANDLE	1.00	EA	Stock	1
2790	000	COLLAR ROLLING ATTACH STUD	1.00	EA	Stock	1
2796	000	ROLLER GUIDE SUPPORT	1.00	EA	Stock	1
2802	000	ROLLING GUIDE	1.00	EA	Stock	1
2804	000	PRESSURE ROLL PIN	1.00	EA	Stock	1
2808	000	CAP ROLLING ROLL	1.00	EA	Stock	1
2809	000	ECCENTRIC SLEEVE	1.00	EA	Stock	1
2812	000	DRIVE SHAFT	1.00	EA	Stock	1
2816	000	KNURLED ROLL SHAFT	1.00	EA	Stock	1
2817	000	SMALL COUNTERWEIGHT ASSEMBLY	1.00	EA	Stock	1
2818	000	MEDIUM COUNTERWEIGHT ASSEMBLY	1.00	EA	Stock	1
2819	000	TOP ROLL SHAFT	1.00	EA	Stock	1
2820	000	LARGE COUNTERWEIGHT ASSEMBLY	1.00	EA	Stock	1
2821	000	TOP ROLL	1.00	EA	Stock	1
2825	000	KNURLED ROLL	1.00	EA	Stock	1
2826	000	FRONT PANEL	2.00	EA	Stock	2

**ENGEL  
INDUSTRIES****Summarized Bill of Material**

All Part Numbers, Ordered by PART NUMBER

Part No Equal to M-316-3

None, All Dates

Parent Part No M-316-3

Rev 000

Effectivity Date 01/21/2000

Description EDGEMASTER FLANGER 3/16 20 GA.

Last Revision / /

Component Part No	Rev	Description	Quantity	U/M	Source	No Uses
2828	000	TOP PLATE 316-3 FLANGER	1.00	EA	Stock	1
2830	000	THRUST BLOCK	1.00	EA	Stock	1
2831	000	COUNTER BALANCE SUP ARM	1.00	EA	Stock	1
2833	000	SPACER	2.00	EA	Stock	1
2836	000	MATERIAL STARTING BLOCK-316C	1.00	EA	Stock	1
2837	000	LIFT ROD	1.00	EA	Stock	1
2838	000	SWITCH BOX PLATE	1.00	EA	Stock	1
2839	000	SLEEVE	1.00	EA	Stock	1
2855	000	CHAIN SEGMENT ASSEMBLY	1.00	EA	Stock	1
2856	000	FOOT PEDAL ASSY	1.00	EA	Stock	1
2857	000	FOOT PEDAL MOUNTING ASSY	1.00	EA	Stock	1
2858	000	316-3 CABINET	1.00	EA	Stock	1
2859	000	CAP ROLLING ATTACHMENT ASSY	1.00	EA	Stock	1
2861	000	YOKE ASSEMBLY	1.00	EA	Stock	1
2865	000	ADJUSTING ARM ASSEMBLY	1.00	EA	Stock	1
4267-1	000	SPACER - 2.500 LG.	1.00	EA	Stock	1
46	000	CABINET BRACE ANGLE	1.00	EA	Stock	1
47	000	COUNTER BALANCE SUPPORT ANGLE	1.00	EA	Stock	1
500000	000	MISC. HARDWARE	1.00	EA	Stock	1
501003	000	DAYTON 1/3 HP MOTOR	1.00	EA	Stock	1
511011	000	NYLON BEARING	1.00	EA	Stock	1
511051	000	BEARING	2.00	EA	Stock	1
511052	000	BEARING	1.00	EA	Stock	1
511053	000	BEARING	1.00	EA	Stock	1
511056	000	NICE BEARING	5.00	EA	Stock	1
511075	000	BEARING	1.00	EA	Stock	1
511171	000	TRACK BEARING	1.00	EA	Stock	1
511264	000	NYLON THRUST WASHER-1/8 THICK	1.00	EA	Stock	1
511265	000	NYLON THRUST CUP	1.00	EA	Stock	1
512021	000	ASTRUP PULLEY	1.00	EA	Stock	1
512052	000	PULLEY	1.00	EA	Stock	1
512061	000	SHEAVE	1.00	EA	Stock	1
513031	000	1/2 SET COLLAR	4.00	EA	Stock	4
513122	000	SPACER - LABOR ONLY	1.00	EA	Stock	1
514001	000	G6 STEEL WORM GEAR	1.00	EA	Stock	1
514189	000	G7 WORM GEAR (BRONZE)	1.00	EA	Stock	1
514333	000	BROWNING GEAR - NO KEY OR SS	2.00	EA	Stock	2
531165	000	T & B 1/2 CABLE CONNECTOR	1.00	EA	Stock	1

**ENGEL**  
INDUSTRIES**Summarized Bill of Material**

Date: 01/21/2000

Time - 15:17:07

Page # 3

All Part Numbers, Ordered by PART NUMBER

Part No Equal to M-316-3

None, All Dates

Parent Part No M-316-3

Rev 000

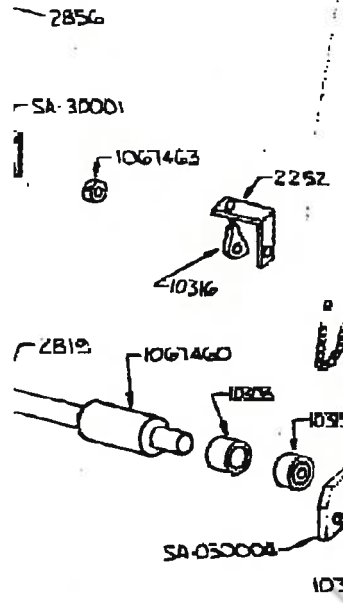
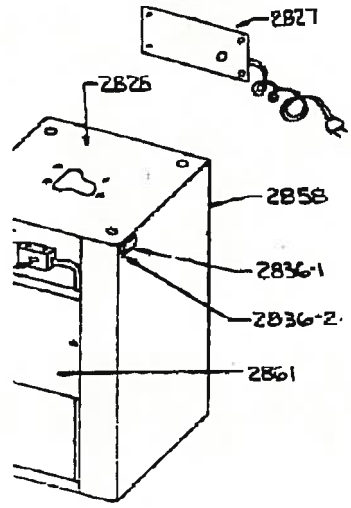
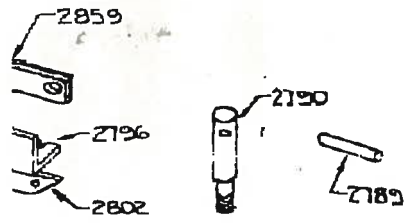
Effectivity Date 01/21/2000

Description EDGEMASTER FLANGER 3/16 20 GA.

Last Revision / /

Component Part No	Rev	Description	Quantity	U/M	Source	No Uses
551126	000	SQ D HEATER ELEMENT	1.00	EA	Stock	1
551594	000	SQ D FHP MANUAL STARTER	1.00	EA	Stock	1
561039	000	POWER SUPPLY CORD	1.00	EA	Stock	1
561050	000	HUBBEL CORD GRIP	3.00	EA	Stock	1
562031	000	V BELT	1.00	EA	Stock	1
563025	000	COPPER SASH CHAIN	2.17	FT	Stock	1
571016	000	DANLY SPRING	1.00	EA	Stock	1
572063	000	LASER CUT SWITCH PANEL	1.00	EA	Stock	1
572080	000	RUBBER WASHER	9.00	EA	Stock	1
592227	000	LASER CUT	1.00	EA	Stock	1
592564	000	LASER CUT, EDGEMASTER WIPER	1.00	EA	Stock	1
6281	000	SPACER	1.00	EA	Stock	1
RSG100	000	CRS - FLAT,SQ,RD,H	46.97	LBS	Stock	22
RSG105	000	HRS - FLAT,SQ,RD,HEX	2.84	LBS	Stock	1
RSG115	000	SHEET METAL	55.49	LBS	Stock	6
RSG150	000	TUBING - ROUND	2.27	LBS	Stock	5
RSG155	000	CRS- TGP AND/OR STRESSPROOF	2.91	LBS	Stock	3
RSG175	000	CRS - LEADED	11.47	LBS	Stock	6
RSG185	000	ANGLE	7.57	LBS	Stock	7

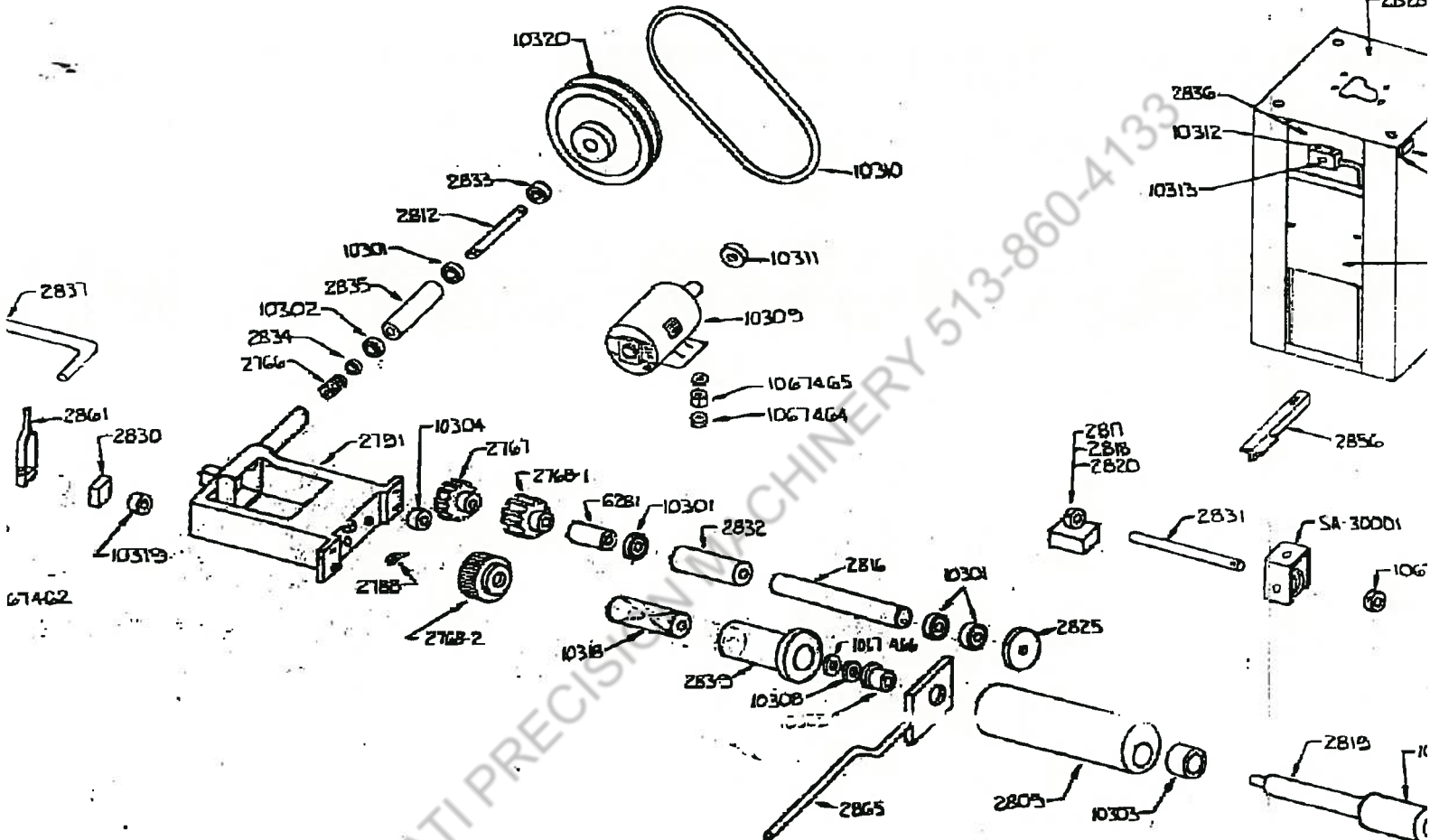
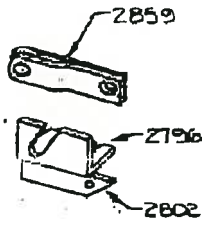
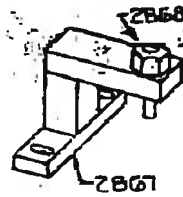
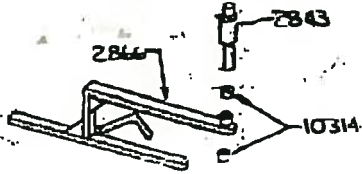
**End Of Report****This report was requested by MAW**



NOTE:

▲ OPTIONAL EQUIPMENT

81	1	X-1067466	X	AD WASHER 5/8 I.D. AL 30-1010	
80	1	2826	X	FRONT PANEL	
79	1	2830	X	SWITCH BOX PLATE	
78	1	2821	X	MOTOR COVER	
77	4		X	*12 HUBBLET CORDGRIP	
76	1		X	BELDEN 17422-B-1/2 SERVICE CORD 1'	
75	1	X-2816	X	KNURLED ROLL SHAFT .624 Ø x 1/2 LG.	
74	4		X	FLAT HD. 1/4-20 x 1 1/4 LG.	
73	1		X	FLAT HD. 1/4-20 x 3/4 LG.	
72	1		X	3/8-16 ROLT 1 1/2 LG.	
71	1		X	SQ NUT 3/8-16	
70	4	X-1067465	X	RUBBER GROMMET	
69	8	X-1067464	X	RUBBER WASHER 1/4 I.D. x 1 O.D. x 1/8	
68	1	X-1067463	X	SET COLLAR 1/2	
67	2	X-1067462	X	CLEVIS PINS 1/4 Ø x 2 LG.	
66	1	X-1067461	X	*25 COPPER SASU CHAIN #26 LG.	
65	1	2828	X	TOP PLATE	
64	1	X-1067460	X	SPACER 3/4 O.D. x 5/8 I.D. x 2 1/4	
63	1	10316	X	STAMP STL PULLEY STILL 300/ASTR	
62	1	10315	X	NICE BEARING 3023 DS	
61	1	10314	X	BROWNING SC 3/8 SET COLLAR	
60	1	10320	X	PULLEY 42 80 5/8 BORE	
59	1	10319	X	AUBURN BALL BEARING T-100	
58	1	10318	X	DANLY SPRING 92008-11	
57	1	2765-2	X	STEEL SPUR GEAR WITH SPRING RECES	
56	1	2768-1	X	STEEL SPUR GEAR	
55	1	2767	X	BRONZE WORM GEAR	
54	1	2766	X	WORM GEAR	
53	1	10313	X	HUBBELL *1222 TOGGLE SWITCH	
52	1	10312	X	HAUDY BOX APPLETON 4SSL-1/2	
51	1	10311	X	1VL 3 1/2 PULLEY	
50	1	10310	X	V BELT #4L300	
49	1	10309	X	1/4 HE IDY. SINGLE PHASE 60 CYCLE 172	
48	1	10308	X	CLIMAX NYLON THRUST BEAR. 10-4W-20	
47	1	10307	X	*LC 8703/6 BALL BEARING	
46	1	10305	X	CLIMAX NYLON FLANGE BEAR. 10 FUR-6	
45	1	10304	X	CLIMAX NYLON THRUST CUP 10 S18C	
44	2	10303	X	TORRINGTON B-1012-04 NEEDLE BEAR.	
43	1	10302	X	M23 DC NICE BALL BEAR	
42	4	10301	X	1023 DS-NICE BALL BEAR.	
41	1	2858	X	EDGEMASTER CIBINET	
40	1	2865	X	ADJUSTING ARM ASSY.	
39	1	2791	X	FLANGER CASE	
38	1	2868	X	ROLL SUPPORT STUD ASSY.	
37	1	2867	X	BRACKET ASSY. ROLL ASSY.	
36	1	2866	X	UPPER PRES ARM HANDLE ASSY.	
35	1	2861	X	YOKE ASSY.	
34	1	2856	X	FOOT PEDAL ASSY.	
33	1	SA-030004	X	CHAIN SEGMENT ASSY.	
32	1	2843	X	BEARING SHAFT	
31	1	2839	X	SLEEVE FLANGE LASTING	
30	1	2837	X	LIFT ROD	
29	1	2836-2	X	MATERIAL START BLOCK SPACER	
28	1	2836-1	X	MATERIAL STARTING BLOCK	
27	1	2835	X	SPACER STD. BLACK PIPE 2 1/8 LG. 1.35 O.D.	
26	1	2834	X	SPACER 3/4 Ø x 5/8 I.D. x 3/4 LG.	
25	1	2833	X	SPACER 3/4 Ø x 5/8 I.D. x 1/2 LG.	
24	1	6281	X	SPACER 3/4 Ø x 5/8 I.D. x 1 1/8 LG.	
23	1	2832	X	SPACER 3/4 Ø x 5/8 I.D. x 2 1/4 LG.	
22	1	2831	X	COUNT. BALANCE SUPPORT ARM	
21	1	2830	X	THRUST BLOCK	
20	1	2829	X	KNURLED ROLL	
19	1	2828	X	TOP FLANGING ROLL	
18	1	2827	X	TOP ROLL	
17	1	2819	X	TOP ROLL SHAFT	
16	1	2820	X	COUNT. BALANCE LARGE	
15	1	2818	X	" " MEDIUM	
14	1	2817	X	" " SMALL	
13	1	2812	X	DRIVE SHAFT	
12	1	2809	X	ECC. SLEEVE	
11	1	2802	X	ROLLING GLIDE	
10	1	2796	X	ROLL GUIDE SUPPORT	
9	1	2793	X	CHAIN SEGMENT HANDLE	
8	1	2792	X	CHAIN SEGMENT PLATE	
7	1	2790	X	COLLAR ROLL ATTACHMENT STUD	
6	1	2789	X	COLLAR ROLL ATTACHMENT HAND	
5	1	2788	X	WIPER	
4	1	2752	X	ANGLE BRACKET	
3	1	SA-30001	X	COUNT. BALANCE ROLLER SUPPORT	



CINCINNATI PRECISION MACHINERY 513-860-4133

FOR REFERENCE ONLY!  
 DO NOT USE THESE  
 PART #s