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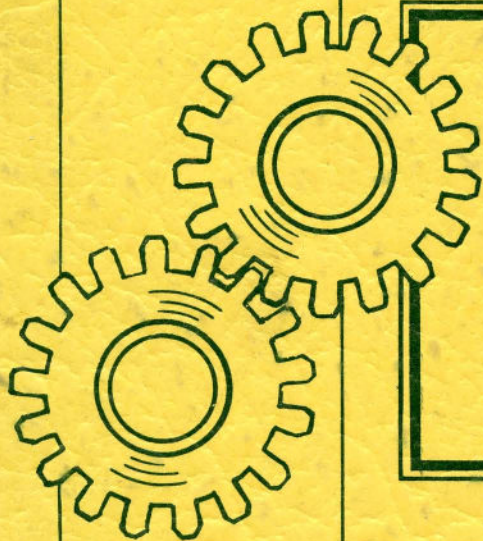
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PARTS LIST



MODEL NO.

7-120

WYSONG & MILES COMPANY

P. O. Box 21168 • Highway 29 North • Phone (919) 275-2864

GREENSBORO, NORTH CAROLINA 27420

WYSONG AND MILES COMPANY

GREENSBORO, NORTH CAROLINA

PARTS LIST AND ILLUSTRATIONS

POWER SQUARING SHEAR NO. 7-120

When ordering parts, please refer to the item number, quantity, name of part, part number, and serial number of your machine. The serial number will be found stenciled on the table outside the right-hand side gauge.

October 1966

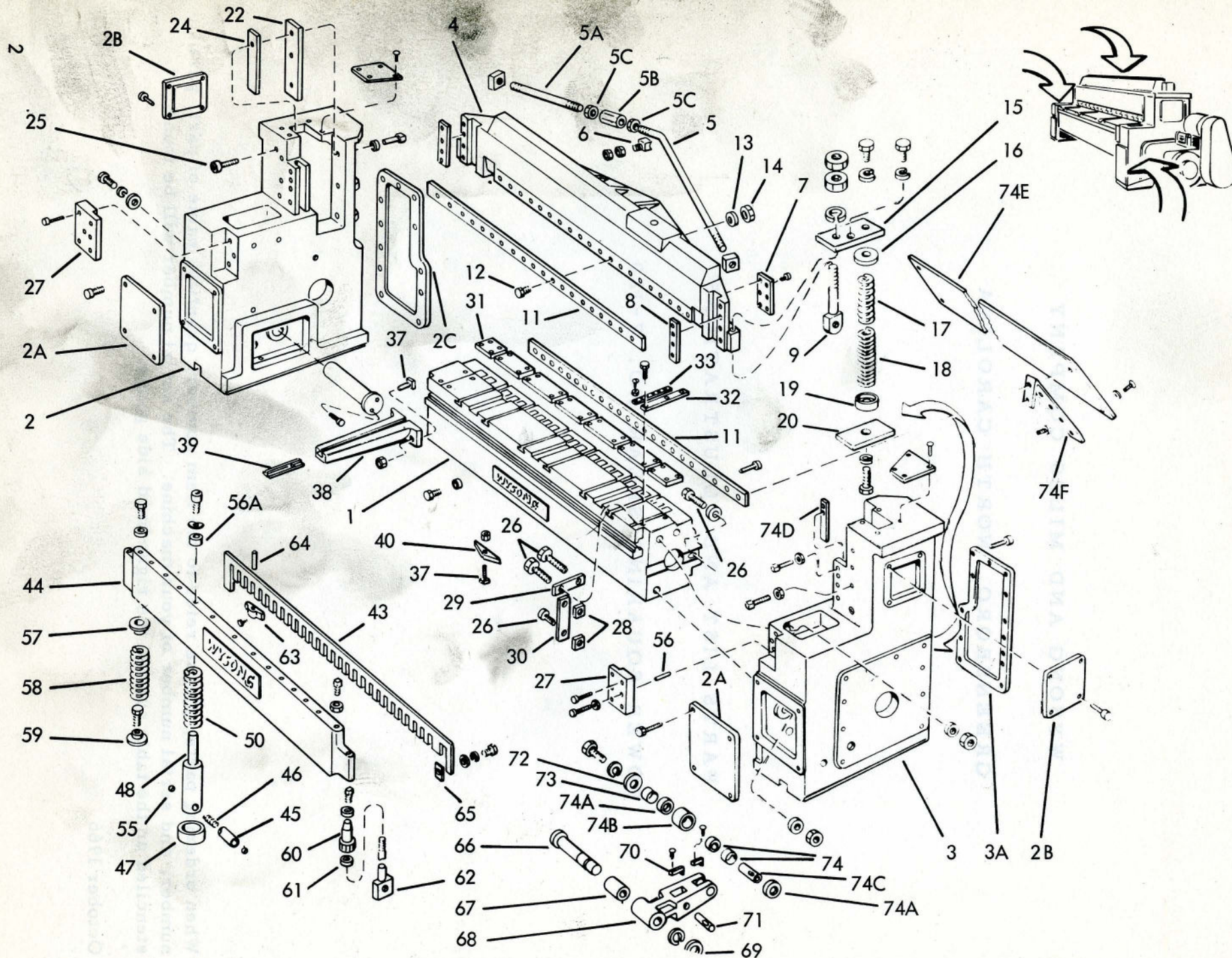


FIG. 1 TABLE - END HOUSINGS - HOLD DOWN - KNIFE BAR ASSEMBLY

TABLE, END HOUSING, HOLDDOWN, AND KNIFE BAR ASSEMBLIES FOR 7-120
(See Figure 1)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
1	1	Table	S25-58
2	1	Left-Hand End Housing	S25-47
2A	2	Front Covers	S10S-257
2B	2	Side Covers	S10S-258
2C	1	Rear Cover, Left-Hand	S30S-56
3	1	Right-Hand End Housing	S25-46
3A	1	Rear Cover, Right-Hand	S30S-55
4	1	Knife Bar	S25-58
5	1	Tension Rod - Long	S25S-169
5A	1	Tension Rod - Short	S25S-170
5B	1	Tension Rod Turnbuckle	8GS-133
5C	2	Tension Rod Nuts, 1-3/4"	8GS-47
6	1	Tension Rod Stud	8GS-36
7	2	Rear Gibs (Non-Metallic)	MG-20
8	2	Front Gibs (Non-Metallic)	MG-19
9	2	Eyebolts	S10S-192
11	2	Blades	122" x 4" x 1"
12	32	Blade Bolts	3/4" x 4-1/2"
13	32	Blade Bolt Washers	3/4"
14	32	Blade Bolt Nuts	3/4"
15	2	Spring Compression Bars	S10S-183
16	2	Top Spring Seats	7N-31
17	2	Inside Counterbalance Springs	B-68
18	2	Outside Counterbalance Springs	B-69
19	2	Bottom Spring Seats	7N-30
20	2	Lower Spring Seat Bases	S10S-32
22	2	Gibs (Stationary)	S25-61
24	2	Gibs (Take-Up)	7NS-14
25	2	Take-Up Gib Locating Studs	7HS-82
26	8	Table Bolts	6 ea. - 1" x 6"
			2 ea. - 1" x 5-1/2"
27	2	Table Adjusting Lugs	7K-69
28	6	Table Bolt Washers	
29	2	Table Bolt Locking Plates	S10S-187
30	2	Table Bolt Locking Plates	S10S-179
31	1	Table Plate	S30S-25
32	2	Side Gauges	SGS-18
33	3	Table Scales	
37	7	T-Bolts with nuts and washers	7NS-9
38	3	Table Extensions	S10-53
39	2	Disappearing Stops	S10S-152A
40	1	Angle Gauge	5Y-66
43	1	Finger Guard	S25S-166
44	1	Holddown	S25S-167
45	16	Ball Sleeves	S38S-145
46	16	Sleeve Springs	B-110

TABLE, END HOUSING, HOLDDOWN AND KNIFE BAR ASSEMBLIES FOR 7-120
(See Figure 1)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
47	16	Holddown Feet	S38S-146
48	16	Holddown Pins	S10S-220
50	16	Holddown Pressure Springs	B-95
55	32	Steel Balls	1/2" Dia.
56	2	Dowel Pins	8GS-108
56A	16	Holddown Feet Washers	8GS-28
57	2	Return Spring Guides	S10S-173
58	2	Holddown Return Springs	B-96
59	2	Return Spring Guides	S10S-172
60	2	Holddown Locking Nuts	8GS-137
61	2	Holddown Rod Nut Washers	8GS-19
62	2	Holddown Pull Rods	S10S-174
63	3	Finger Guard Guides	S10-54
64	3	Finger Guard Guide Pins	S10S-27
65	2	Finger Guard Spacer Blocks	
66	2	Holddown Lever Pins	S25S-133
67	2	Holddown Lever Bushings	8G-11
68	2	Holddown Levers	S25-65
69	2	Holddown Lever Pin Washers	8GS-23
70	4	Retainer Pins and Retainers	S10S-35 & S10S-36
71	2	Holddown Pull Rod Pins	S10S-37
72	Not Required		
73 & 74	4	Roller Bearings	RS-10
74A	4	Cam Roller Thrust Washers	8HS-65
74B	2	Cam Rollers	S25S-198
74C	2	Cam Roller Studs	S38S-58
74D	2	Holddown Gibs	S10S-40
74E	1	Ramp Plate	S25S-172
74F	4	Ramp Plate Brackets	7NS-27

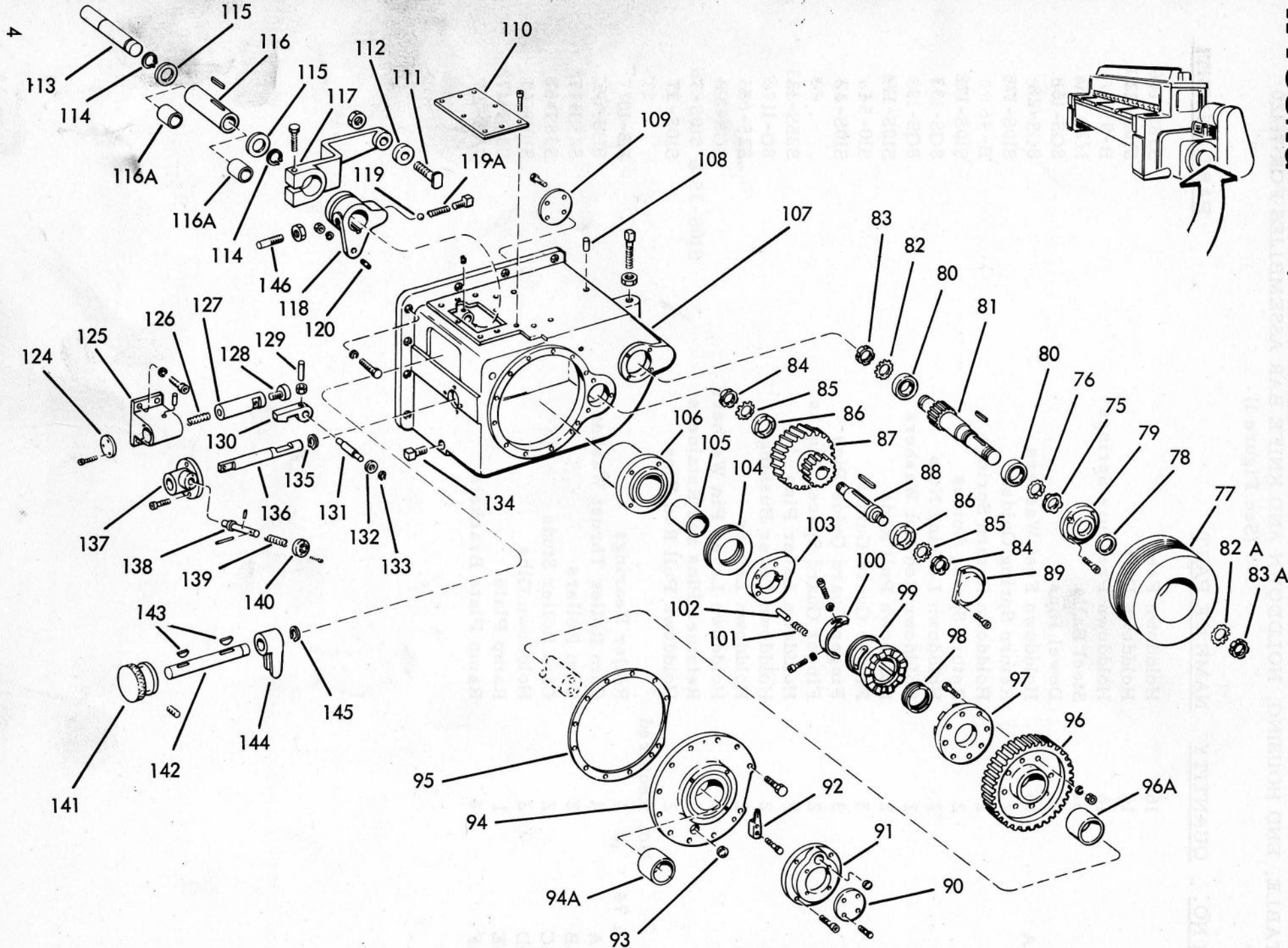


FIG. 2 GEAR CASE ASSEMBLY

GEAR CASE ASSEMBLY FOR 7-120

(See Figure 2)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
75	1	Lock Nut	N-11
76	1	Lock Washer	W-11
77	1	Flywheel	S10-11
78	1	Pinion Shaft Seal	60810
79	1	Pinion Shaft Cap	S10-7
80	2	Pinion Shaft Bearings	22311
81	1	Pinion Shaft	S25S-177
82	1	Lock Washer	W-11
82A	1	Lock Washer	W-09
83	1	Lock Nut	N-11
83A	1	Lock Nut	N-09
84	2	Lock Nuts	N-09
85	2	Lock Washers	W-09
86	2	Bearings	22309
87	1	Intermediate Gear	S25S-178
88	1	Intermediate Shaft	S10S-6
89	1	Intermediate Shaft Bearing Cap	S10-8
90	1	Housing Indicator Cover	8G-105
91	1	Top Center Indicator Housing	8G-41
92	1	Top Center Indicator	8G-42
93	1	Oil Level Gauge	
94	1	Gear Case Cover	S10-6
94A	1	Gear Case Cover Bushing	S10-16
95	1	Gear Case Cover Gasket	
96	1	Bull Gear	S10S-1
96A	1	Bull Gear Bushing	S10-17
97	1	Clutch Drive Plate	S10S-150
98	1	Bull Gear Spacing Collar	S10S-141
99	1	Clutch Driven Plate	S10S-179
100	1	Clutch Release Cam	8HS-116
101	4	Clutch Springs	B-65
102	4	Clutch Spring Studs	8GS-81
103	1	Non-Repeat Cam	S10-81
104	1	Thrust Bearing	G-47
105	1	Eccentric Shaft Bushing (Outside, R. H.)	7N-34B
106	1	Eccentric Shaft Bearing (Outside, R. H.)	S10-14
107	1	Gear Case	S10-5
108	1	Air Vent	G-304810
109	1	Gear Case Rear Cover	S10-68
110	1	Gear Case Hand Hole Cover	8HS-129
111	1	Non-Repeat Roller Stud	7KS-39
112	1	Non-Repeat Arm Roller	7KS-41
113	1	Non-Repeat Arm Pivot Shaft	8HS-46
114	2	Truarc Lock Rings	5100-100
115	2	Sleeve Retaining Collars	8HS-88
116	1	Non-Repeat Arm Sleeve	8HS-44
116A	2	Non-Repeat Arm Sleeve Bushings	8H-22

GEAR CASE ASSEMBLE FOR 7-120
(See Figure 2)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
117	1	Non-Repeat Arm	8H-23
118	1	Non-Repeat Pawl Lifting Lever	8H-20
119	1	Steel Ball	1/2"
119A	1	Non-Repeat Slide Spring	B-37
120	1	Pawl Striking Stud	8HS-48
124	1	Clutch Bracket Spring Cap	8H-18
125	1	Clutch Bracket	8H-30
126	1	Cam Slide Spring	B-89
127	1	Cam Retracting Slide	S10S-245
128	1	Cam Retracting Roller	S10S-246
129	1	Pawl Lifting Pin	8HS-41
130	1	Non-Repeat Pawl	8HS-40
131	1	Pawl Slide Pin	8HS-37
132	1	Pawl Retaining Collar	8HS-38
133	1	Truarc Lock Ring	5100-62
134	1	Drain Plug	
135	1	Truarc Lock Ring	5100-100
136	1	Pawl Engaging Plunger	8HS-42
137	1	Engaging Plunger Guide	7K-154
138	1	Lock Pin	7KS-96
139	1	Treadle Lock Spring	B-58
140	1	Pin Guide	7KS-97
141	1	Non-Repeat Shifting Knob	8HS-52
142	1	Shifting Arm Shaft	8HS-47
143	2	Woodruff Keys	808
144	1	Shifting Arm	8H-21
145	1	Truarc Lock Ring	5100-100
146	1	Shifting Stud	8HS-49

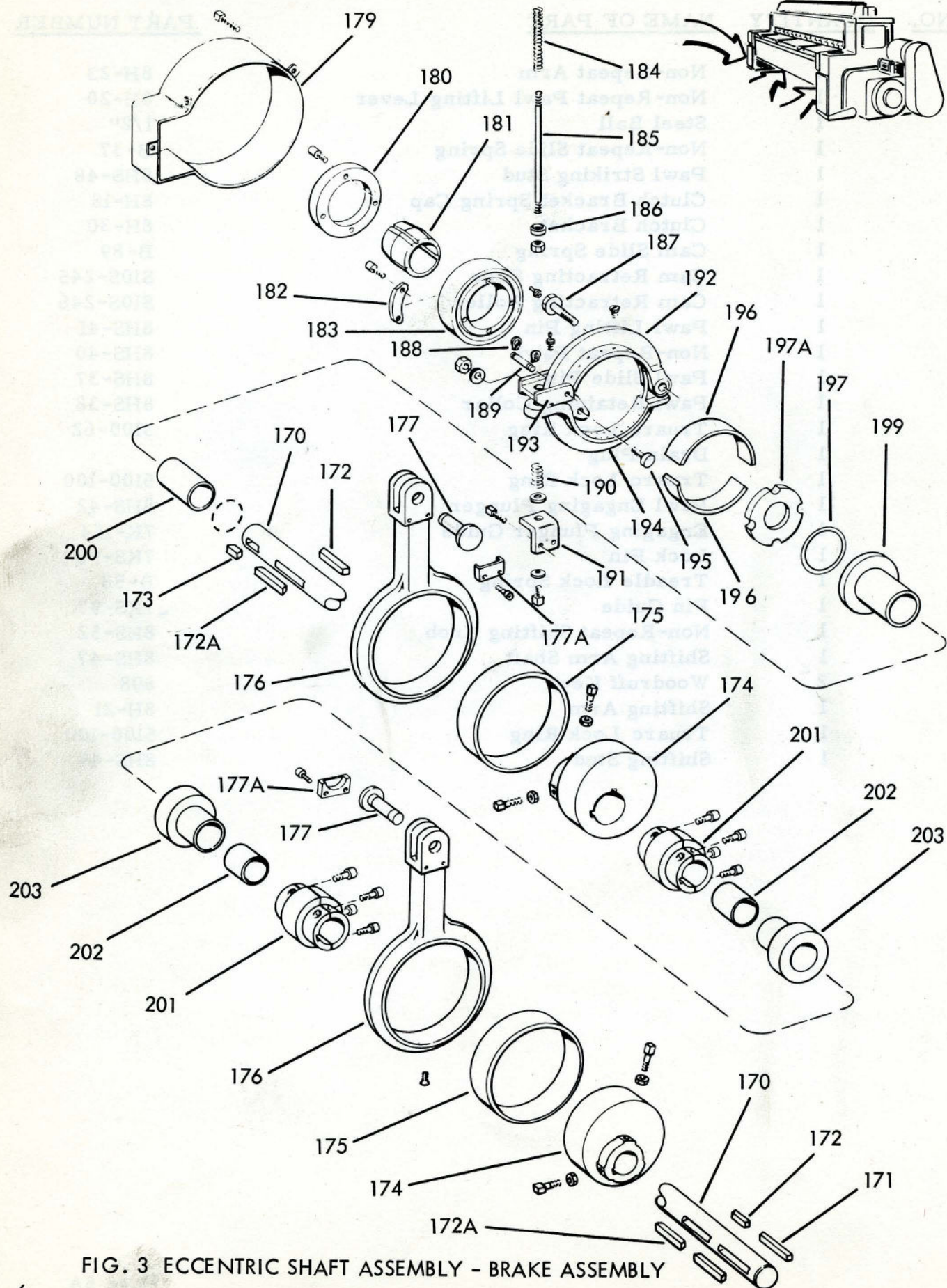


FIG. 3 ECCENTRIC SHAFT ASSEMBLY - BRAKE ASSEMBLY

ECCENTRIC SHAFT AND BRAKE ASSEMBLIES FOR 7-120

(See Figure 3)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
170	1	Eccentric Shaft	S25S-165
171	2	Clutch Driving Keys	8HS-32
172	2	Eccentric Keys	7NS-49
172A	2	Eccentric and Holddown Keys	8GS-96
173	1	Clamping Sleeve Key	
174	2	Eccentrics	S7-2
175	2	Eccentric Strap Bushings	7N-10
176	2	Eccentric Straps	S10-75
177	2	Connection End Pins	S10S-171
177A	2	Keeper Plates	S10-83
179	1	Brake Cover	S10S-142
180	1	Clamping Sleeve Collar	S10S-70
181	1	Brake Drum Clamping Sleeve	S10S-67
182	1	Brake Cam	S10S-68
183	1	Brake Drum	S10-40
184	1	Brake Spring	B-21
185	1	Spring Stud	S10S-76
186	2	Spring Stud Washers	8HS-102
187	1	Brake Pivot Stud	S10S-69
188	2	Truarc Lock Rings	S100-87
189	1	Brake Arm Pivot Stud	S10S-75
190	1	Spring	B-2
191	1	Male Brake Shoe Stop	8HS-104
192	1	Female Brake Shoe	S10-41
193	1	Brake Arm	S10S-72
194	1	Male Brake Shoe	S10-42
195	1	Cam Follower	CF-1-3/4
196	2	Brake Linings - 1/4" x 2" x 13-1/2"	
197	1	Oil Seal	61121
197A	1	Brake Thrust Washer	S10S-71
199	1	Eccentric Shaft Bearing (Outside, L. H.)	S10-15
200	1	Eccentric Shaft Bushing (Outside, L. H.)	S10-15B
201	2	Holddown Cams	S25-49
202	2	Eccentric Shaft Bearing Bushings (Inside, Right and Left)	S10-31B
203	2	Eccentric Shaft Bearings (Inside, Right and Left)	S10-31

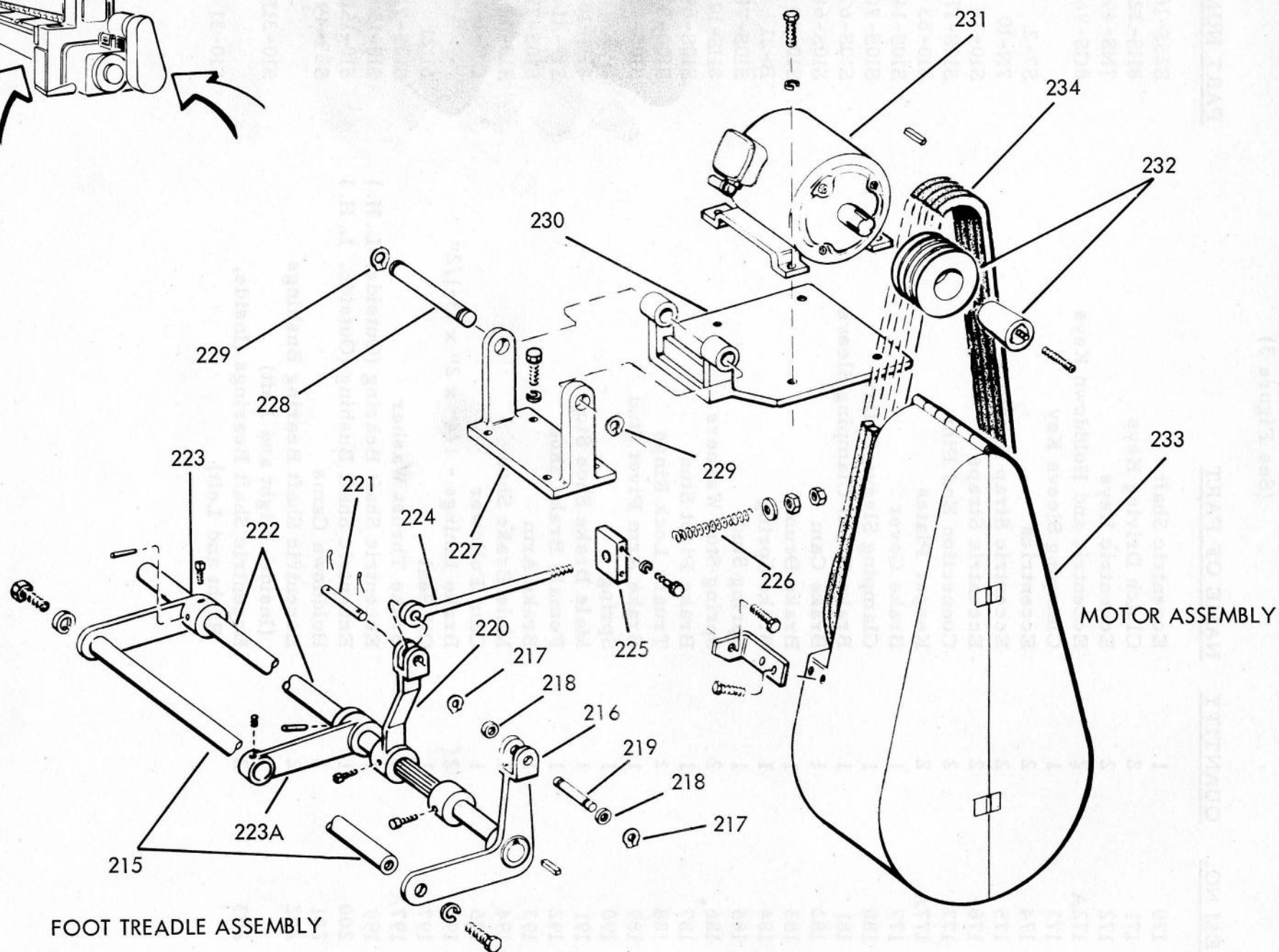
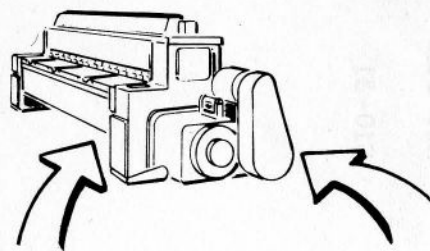


FIG. 4 FOOT TREADLE ASSEMBLY - MOTOR ASSEMBLY

FOOT TREADLE AND MOTOR ASSEMBLIES FOR 7-120
(See Figure 4)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
215	1	Foot Treadle	8HS-61
216	1	Clutch Pawl Lever	8H-24
217	2	Truarc Lock Rings	5100-62
218	2	Pin Washers	8HS-59
219	1	Pawl Lever Pin	8HS-56
220	1	Treadle Spring Lever	8H-25
221	1	Spring Lever Pin	8HS-58
222	1	Foot Treadle Shaft	8HS-62
223	1	Foot Treadle Lever	7K-73
223A	1	Foot Treadle Arm	8G-18
224	1	Treadle Spring Eyebolt	8GS-97
225	1	Treadle Spring Guide Bracket	8HS-57
226	1	Treadle Spring	B-28
227	1	Motor Bracket	7QS-20
228	1	Motor Bracket Pivot Shaft	7QS-19
229	2	Truarc Lock Rings	5100-100
230	1	Motor Base	7QS-34
231	1	Motor - 7-1/2 HP, 1800 RPM	254 Frame
232	1	Motor Pulley - 3 Grooves 5.4 PD	
233	1	Belt Buard	7QS-21
234	3	V-Belts	B-75

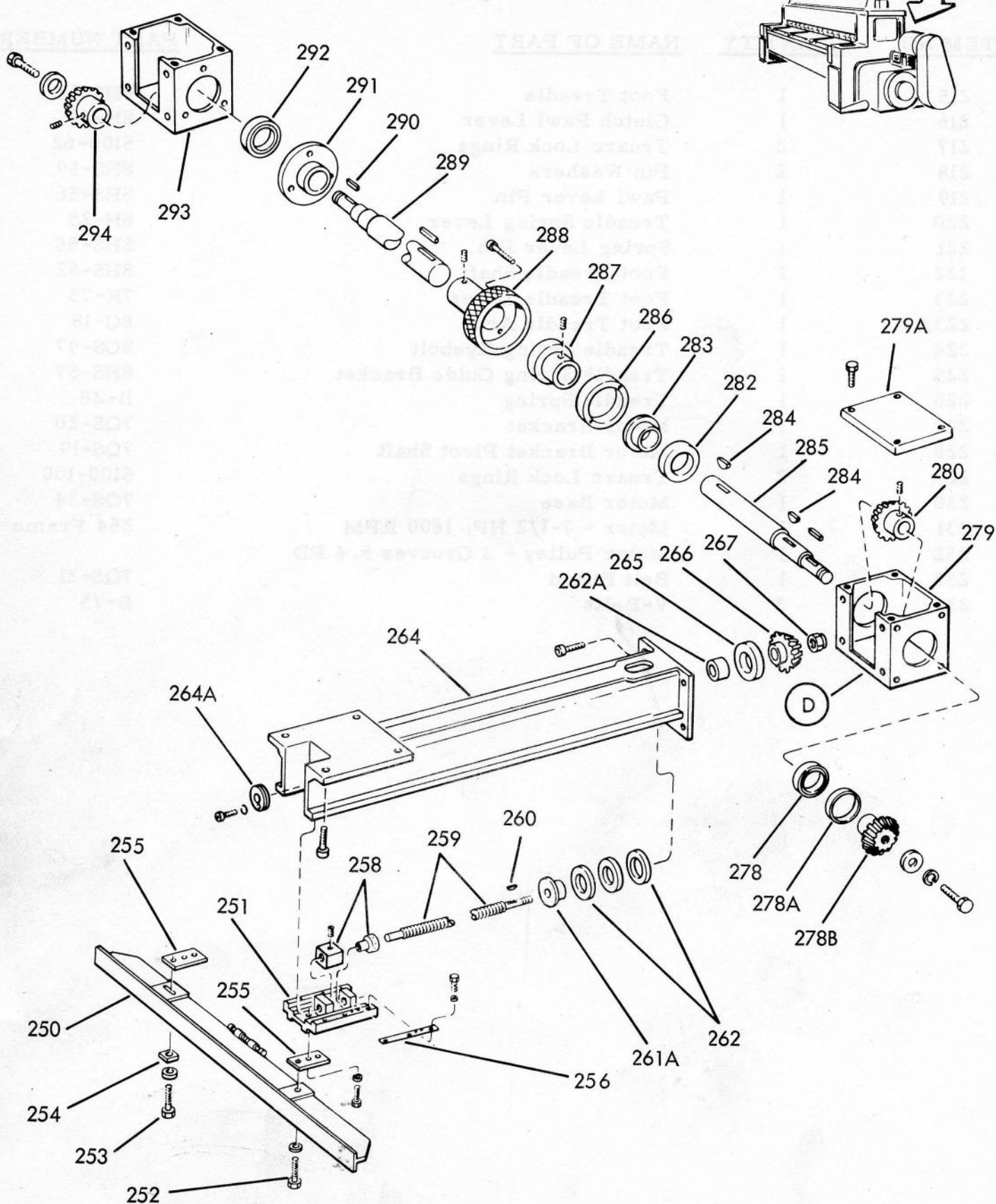


FIG. 5 BACK GAUGE ASSEMBLY

BACK GAUGE ASSEMBLY FOR 7-120
(See Figure 5)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
250	1	Back Gauge Stop	7HS-588
251	2	Slides	7H-251
252	1	Shoulder Screw, Right End	7HS-266
253	1	Shoulder Screw, Left End	7HS-266
254	1	Rail Bushing	7HS-269
255	2	Slide Extensions	7HS-468
256	4	Slide Gibs	7HS-606
258	2 each	Driving Nuts	7H-252 & 7H-253
259	2	Back Gauge Driving Screws	BGS-65
260	2	Keys	606
261A	2	Screw Spacing Collars	7HS-249
262	2	Thrust Bearings	G-18
262A	2	Bearing Spacers	7HS-248
264	2	Rails	7H-291
264A	2	Screw Bushings	7H-286
265	2	Bearings	6205-2RS
266	2	Miter Gears	7HS-257
267	2	Nuts	1/2" - 20
278	1	Bearing	6208-2RS
278A	1	Spacer	7HS-259
278B	1	Miter Gear	7HS-115
279	1	Right-Hand Gear Housing	7H-432
279A	2	Gear Housing Covers	7H-255
280	1	Miter Gear	7HS-255
282	1	Bearing	6208-2RS
283	1	Bearing Spacer	7HS-248
284	2	Woodruff Keys	606
285	1	Horizontal Drive Shaft	7HS-252
286	1	Locking Ring	7HS-479
287	1	Clutch Drum (Inside)	7H-260
288	1	Clutch Shoe (Outside)	7H-261
289	1	Horizontal Shaft	7HS-279
290	1	Key	
291	1	Left-Hand Gear Housing Cap	7H-257
292	1	Bearing	6208-2RS
293	1	Left-Hand Gear Housing	7H-256
294	1	Horizontal Miter Gear	7HS-257

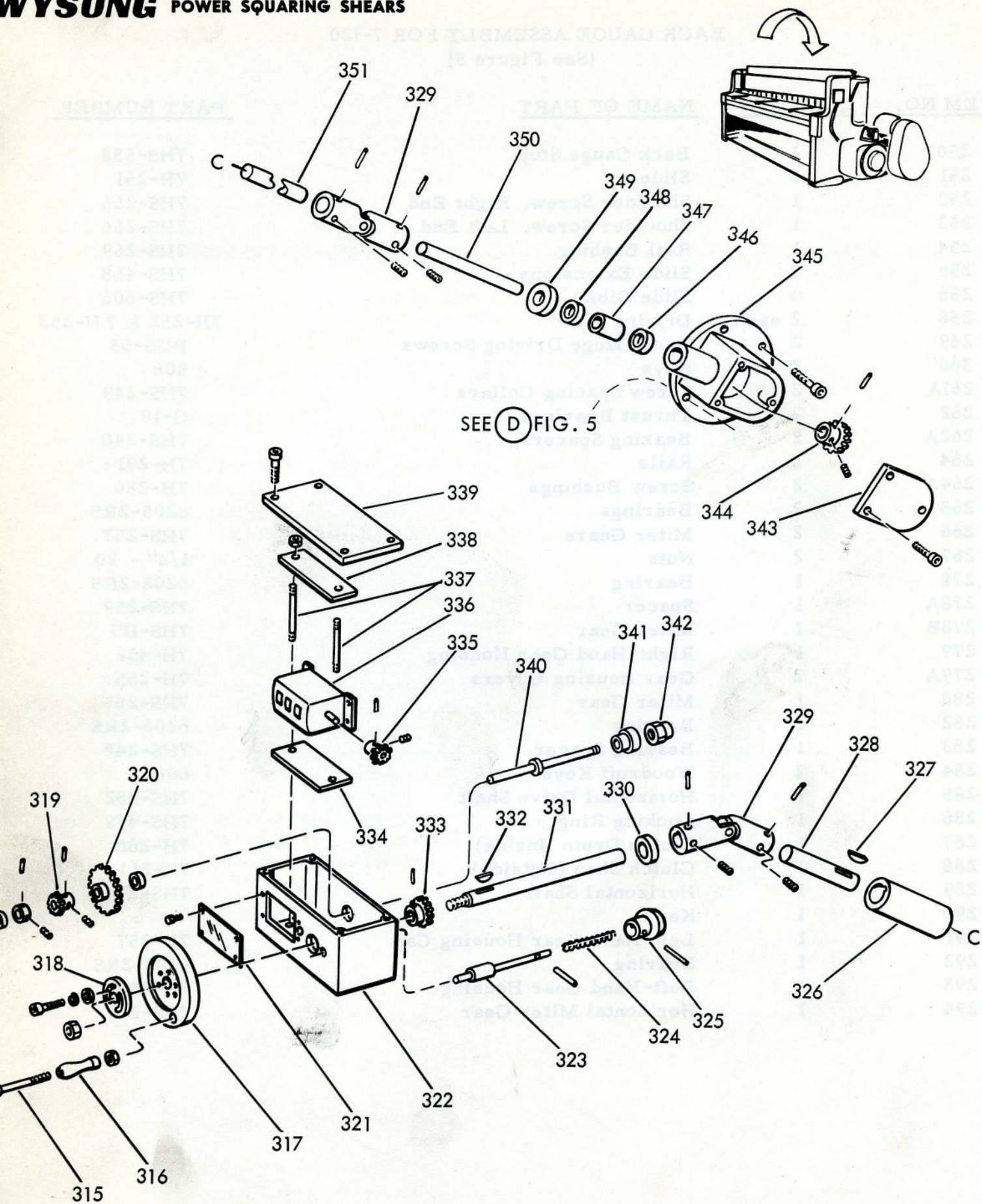


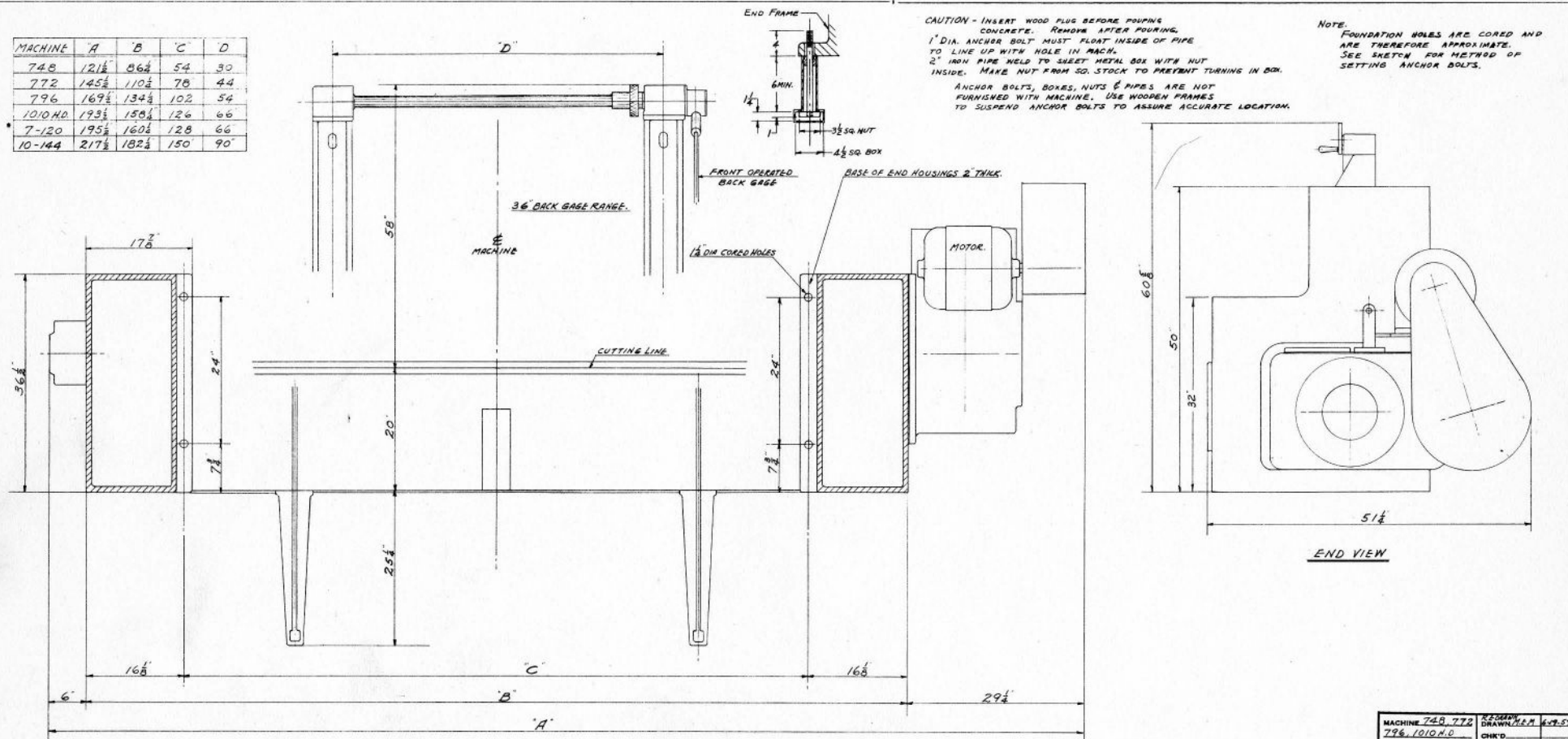
FIG. 6 FRONT - BACK GAUGE ASSEMBLY

FRONT BACK GAUGE ASSEMBLY FOR 7-120

(See Figure 6)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
315	1	Stud for Handle	7HS-107A
316	1	Handle	7HS-107
317	1	Dial	7H-108
318	1	Dial Adjusting Plate	7HS-122
319	1	Miter Gear	7HS-324
320	1	Driven Gear	7HS-327
321	1	Measuring Box Dial Cover	7HS-332
322	1	Measuring Box	7H-273
323	1	Locking Pin	7HS-291
324	2	Springs	B-37
325	1	Locking Pin Handle	7HS-109
326	1	Drive Shaft Coupling	7HS-431
327	1	Woodruff Key	606
328	1	Upper Drive Shaft	7HS-144
329	2	Universal Joints	J-125-B
330	1	Collar	15/16" ID
331	1	Measuring Box Shaft	7HS-292
332	1	Woodruff Key	606
333	1	Drive Gear	7HS-328
334	1	Base for Veeder Root Unit	Rubber
335	1	Miter Gear	7HS-324
336	1	Veeder Root Unit	D-113043
337	2	Clamping Studs	7HS-329
338	1	Clamping Plate	7HS-330
339	1	Measuring Box Cover	7H-274
340	1	Drive Shaft	7HS-430
341	1	Adjusting Nut	7HS-429
342	1	Flex-Loc Nut	3/8"
343	1	Miter Gear Housing Cover	7H-259
344	1	Miter Gear	7HS-114
345	1	Miter Gear Housing	7H-258
346	1	Needle Bearing	BR-1012
347	1	Bearing Spacer	7HS-262
348	1	Needle Bearing	BR-1012
349	1	Collar	7HS-110
350	1	Miter Gear Shaft	7HS-272
351	1	Universal Drive Shaft	7HS-264

MACHINE	A	B	C	D
748	121½	86½	54	30
772	145½	110½	78	44
796	169½	134½	102	54
1010HD	193½	158½	126	66
7-120	195½	160½	128	66
10-144	217½	182½	150	90



FLOOR PLANS FOR NOS. 748, 772, 796, 1010HD, 7-120 & 10-144

MACHINE 748, 772, 796, 1010HD, 7-120 & 10-144	DESIGNED BY J. E. MILES	DRAWN BY J. E. MILES
7-120 & 10-144	CHD.	SCALE
WYSONG & MILES CO.		
GREENSBORO, N. C.		
TOLERANCES:	UNLESS OTHERWISE SPECIFIED	
FRACTIONS: 1/16"	DECIMALS: 0.001"	
ANGLES: 1/4"	RADIANS: 0.001"	