

WYSONG AND MILES COMPANY
GREENSBORO, NORTH CAROLINA

PARTS LIST AND ILLUSTRATIONS
POWER SQUARING SHEAR NO. 7- 144

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.

January 1965

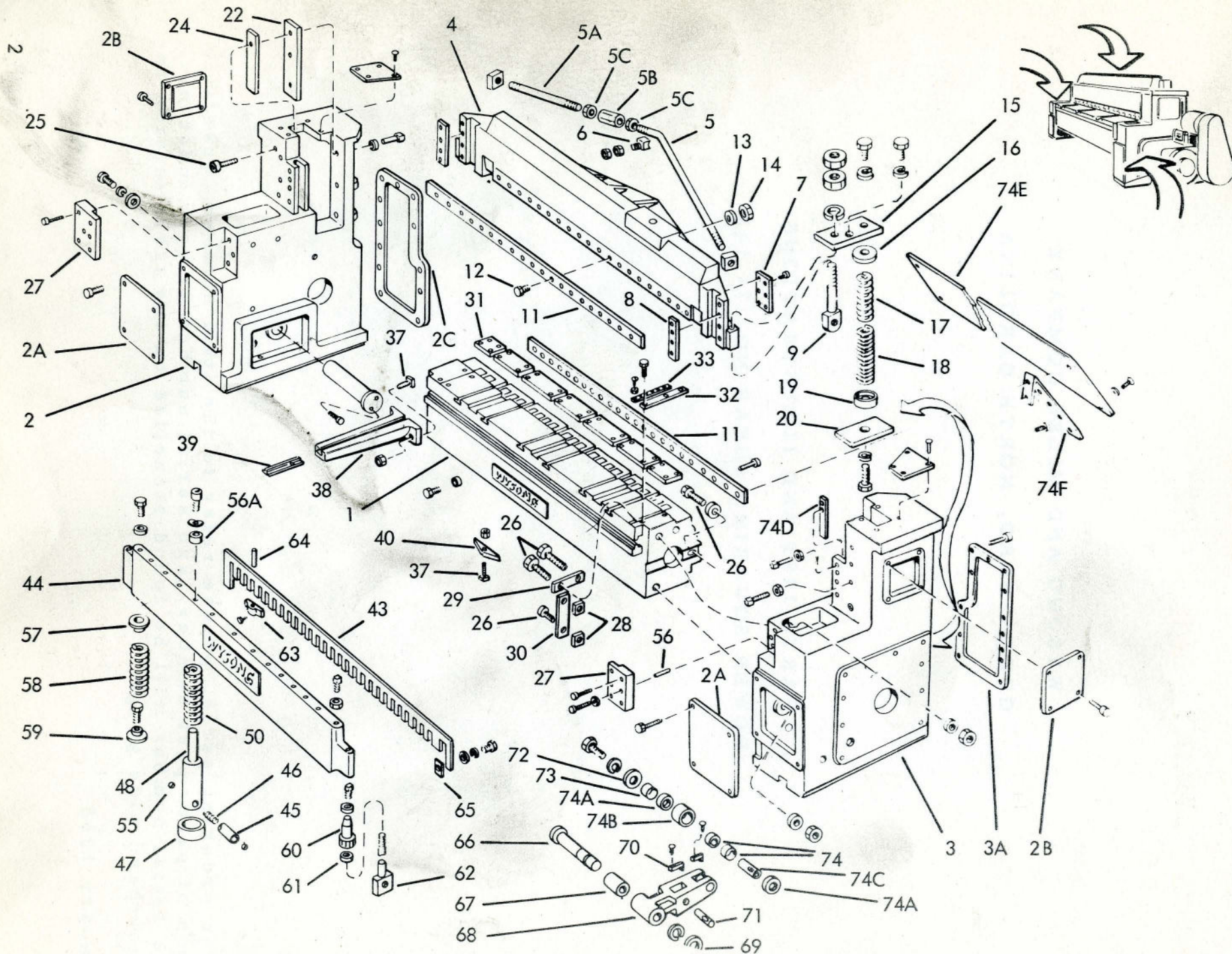


FIG. 1 TABLE - END HOUSINGS - HOLD DOWN - KNIFE BAR ASSEMBLY

TABLE, END HOUSING, HOLDDOWN, AND KNIFE BAR ASSEMBLIES
(See Figure 1)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
1	1	Table	8G-1
2	1	Left-Hand End Housing	S30-12
2A	2	Front Covers	8G-14
2B	2	Side Covers	8G-13
2C	1	Rear Cover, Left-Hand	8G-15
3	1	Right-Hand End Housing	S30-11
3A	1	Rear Cover, Right-Hand	8G-16
4	1	Knife Bar	8G-53
5	1	Tension Rod - Long	8GS-134
5A	1	Tension Rod - Short	8GS-135
5B	1	Tension Rod Turnbuckle	8GS-133
5C	2	Tension Rod Nuts	1-3/4"
6	1	Tension Rod Stud	8GS-36
7 8	2	Front Gibs (Non-Metallic)	MG-25
8 1	2	Rear Gibs (Non-Metallic)	MG-26
9	2	Eyebolts	S25S-112
11	2	Blades	4" x 1" x 146"
12	50	Blade Bolts	5/8" x 4"
13	50	Blade Bolt Washers	5/8"
14	50	Blade Bolt Nuts	5/8"
15	2	Spring Compression Bars	S25S-163
16	2	Top Spring Seats	7N-31
17	2	Inside Counterbalance Springs	B-63
18	2	Outside Counterbalance Springs	B-64
19	2	Bottom Spring Seats	S30-17
20	2	Lower Spring Seat Bases	8GS-5
22	2	Gibs (Stationary)	S30-23
24	2	Gibs (Take-Up)	8GS-8
25	2	Take-Up Gib Locating Studs	7HS-82
26	8	Table Bolts	4 ea. - 1-1/4" x 6" 4 ea. - 1-1/4" x 7"
27	2	Table Adjusting Lugs	7K-69
28	6	Table Bolt Washers	
29	2	Table Bolt Locking Plates	8GS-83
30	2	Table Bolt Locking Plates	8GS-176
31	1	Table Plate	S10S-229
32	2	Side Gauges	SGS-18
33	4	Table Scales	
37	9	T-Bolts with nuts and washers	8GS-82
38	4	Table Extensions	8G-32
39	2	Disappearing Stops	8GS-106A
40	1	Angle Gauge	5Y-66
43	1	Finger Guard	8GS-46
44	1	Holddown	S25S-161
45	17	Ball Sleeves	S38S-145
46	17	Sleeve Springs	B-110

TABLE, END HOUSING, HOLDDOWN, AND KNIFE BAR ASSEMBLIES
(See Figure 1)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
47	17	Holddown Feet	S38S-146
48	17	Holddown Pins	S25S-131
50	17	Holddown Pressure Springs	B-95
55	34	Steel Balls	1/2" Dia.
56	2	Dowel Pins	8GS-108
56A	17	Holddown Feet Washers	S38S-55
57	2	Return Spring Guides	S38S-65
58	2	Holddown Return Springs	B-83
59	2	Return Spring Guides	S30S-10
60	2	Holddown Locking Nuts	8GS-137
61	2	Holddown Rod Nut Washers	8GS-19
62	2	Holddown Pull Rods	S30S-5
63	3	Finger Guard Guide	8H-53
64	3	Finger Guard Guide Pins	8HS-115
65	2	Finger Guard Spacer Blocks	
66	2	Holddown Lever Pins	S25S-133
67	2	Holddown Lever Bushings	8G-11
68	2	Holddown Levers	S30-14
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	2	Stud Washers	S25S-123
73	2	Roller Bearings	W-206
74	4	Roller Bearings with Inter Race	RBC
74A	4	Cam Roller Thrust Washers	S25S-122
74B	2	Cam Rollers	S25S-121
74C	2	Cam Roller Studs	S25S-124
74D	2	Holddown Gibs	8GS-9
74E	1	Ramp Plate	8GS-88
74F	4	Ramp Plate Brackets	7NS-27

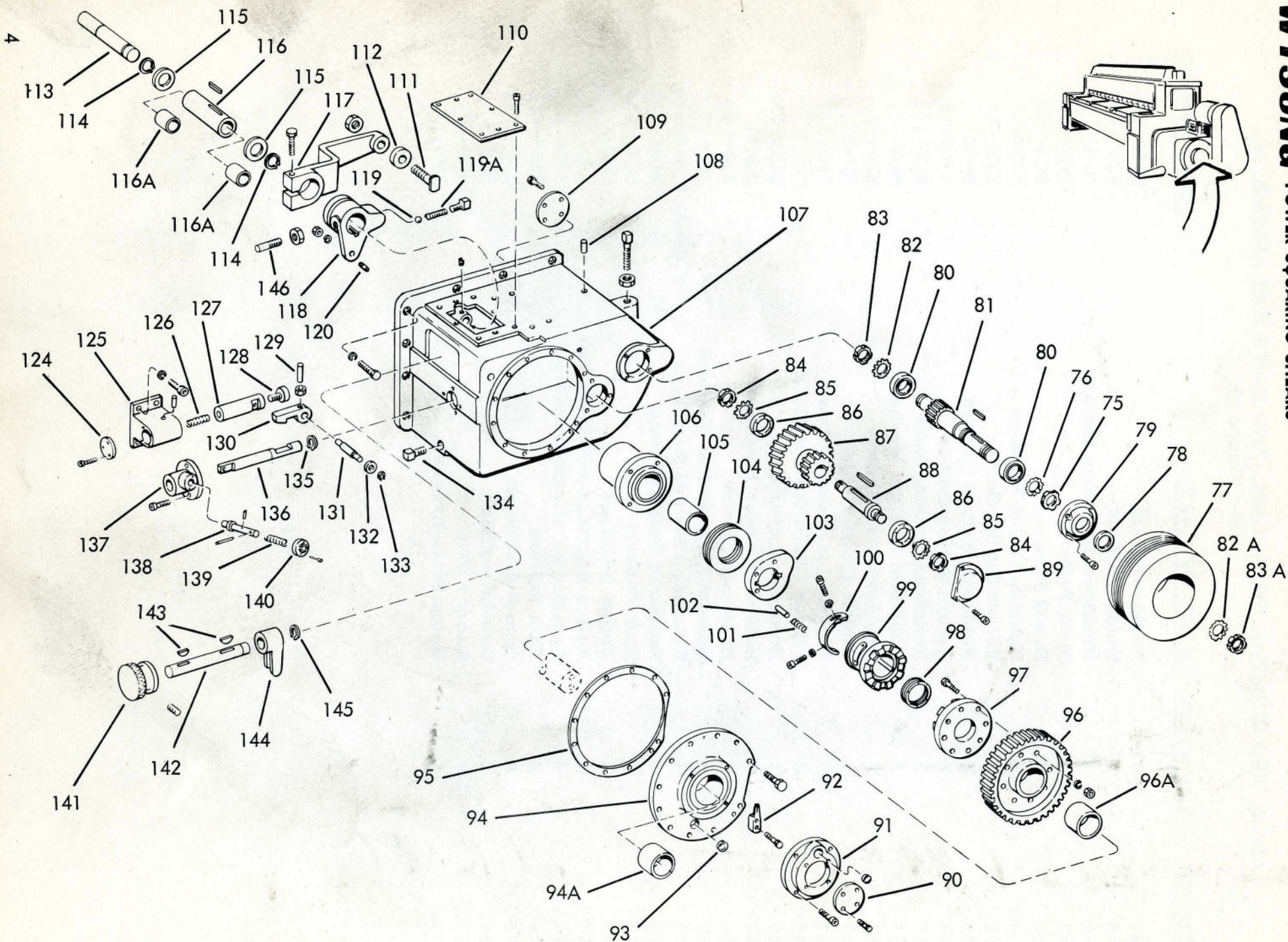


FIG. 2 GEAR CASE ASSEMBLY

GEAR CASE ASSEMBLY
(See Figure 2)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
75	1	Lock Nut	N-13
76	1	Lock Washer	W-13
77	1	Flywheel	8H-12
78	1	Pinion Shaft Seal	60905
79	1	Pinion Shaft Cap	8H-10
80	2	Pinion Shaft Bearings	22313-C
81	1	Pinion Shaft	8HS-125
82	1	Lock Washer	W-13
82A	1	Lock Washer	W-10
83	1	Lock Nut	N-13
83A	1	Lock Nut	N-10
84	2	Lock Nuts	N-10
85	2	Lock Washers	W-10
86	2	Bearings	22310-C
87	1	Intermediate Gear	8HS-124
88	1	Intermediate Shaft	8HS-21
89	1	Intermediate Shaft Bearing Cap	8H-13
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	8G-40
94A	1	Gear Case Cover Bushing	8H-16
95	1	Gear Case Cover Gasket	
96	1	Bull Gear	8HS-33
96A	1	Bull Gear Bushing	8H-15
97	1	Clutch Drive Plate	8GS-159
98	1	Bull Gear Spacing Collar	8HS-117
99	1	Clutch Driven Plate	8GS-57
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	8H-14
104	1	Thrust Bearing	G-49
105	1	Eccentric Shaft Bushing (Outside, R. H.)	8G-20B
106	1	Eccentric Shaft Bearing (Outside, R. H.)	8G-20
107	1	Gear Case	8H-7
108	1	Air Vent	G-304810
109	1	Gear Case Rear Cover	8H-28
110	1	Gear Case Hand Hole Cover	8H-9
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	8H-44
116A	2	Non-Repeat Arm Sleeve Bushings	8H-22

GEAR CASE ASSEMBLY
(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

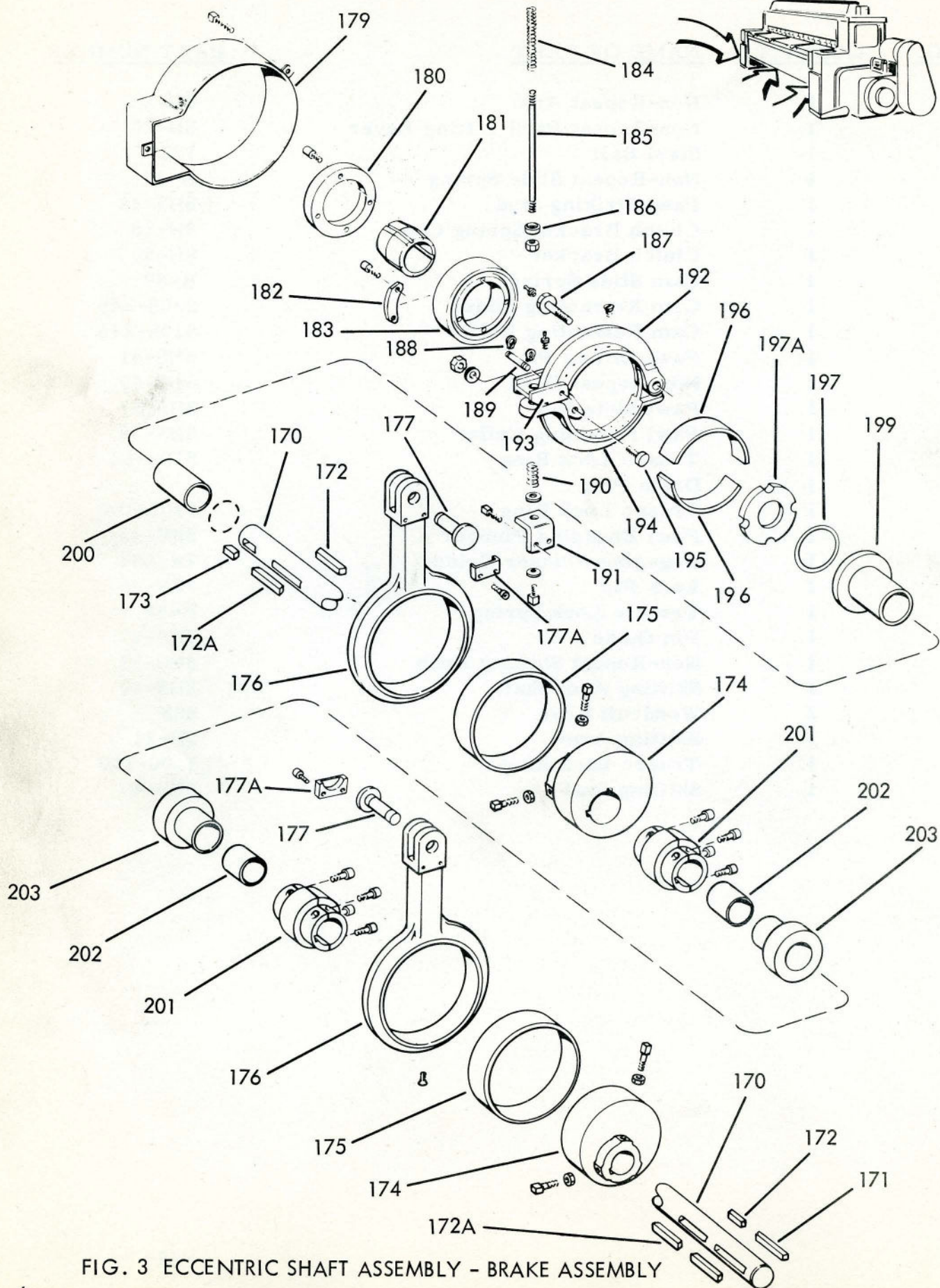


FIG. 3 ECCENTRIC SHAFT ASSEMBLY - BRAKE ASSEMBLY

ECCENTRIC SHAFT AND BRAKE ASSEMBLIES

(See Figure 3)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
170	1	Eccentric Shaft	S25S-162
171	2	Clutch Driving Keys	8HS-32
172	2	Eccentric Keys	S30S-35
172A	2	Eccentric and Holddown Keys	S30S-34
173	1	Clamping Sleeve Key	
174	2	Eccentrics	8G-52
175	2	Eccentric Strap Bushings	S25-22
176	2	Eccentric Straps	S25-38
177	2	Connection End Pins	S10S-171
177A	2	Keeper Plates	S10-83
179	1	Brake Cover	S25S-82
180	1	Clamping Sleeve Collar	8GS-54
181	1	Brake Drum Clamping Sleeve	8HS-106
182	1	Brake Cam	8HS-97
183	1	Brake Drum	8H-48
184	1	Brake Spring	B-21
185	1	Spring Stud	8HS-103
186	2	Spring Stud Washers	8HS-102
187	1	Brake Pivot Stud	8HS-98
188	2	Truarc Lock Rings	5100-100
189	1	Brake Arm Pivot Stud	8HS-105
190	1	Spring	B-2
191	1	Male Brake Shoe Stop	8HS-104
192	1	Female Brake Shoe	8H-50
193	1	Brake Arm	8HS-96
194	1	Male Brake Shoe	8H-49
195	1	Cam Follower	CF-2
196	2	Brake Linings - 2" x 1/4" x 14" and 18"	
197	1	Oil Seal	61165
197A	1	Brake Thrust Washer	
199	1	Eccentric Shaft Bearing (Outside, L. H.)	8G-21
200	1	Eccentric Shaft Bushing (Outside, L. H.)	8G-21B
201	2	Holddown Cams	S30-13
202	2	Eccentric Shaft Bearing Bushings (Inside, Right and Left)	S30-16B
203	2	Eccentric Shaft Bearings (Inside, Right and Left)	S30-16

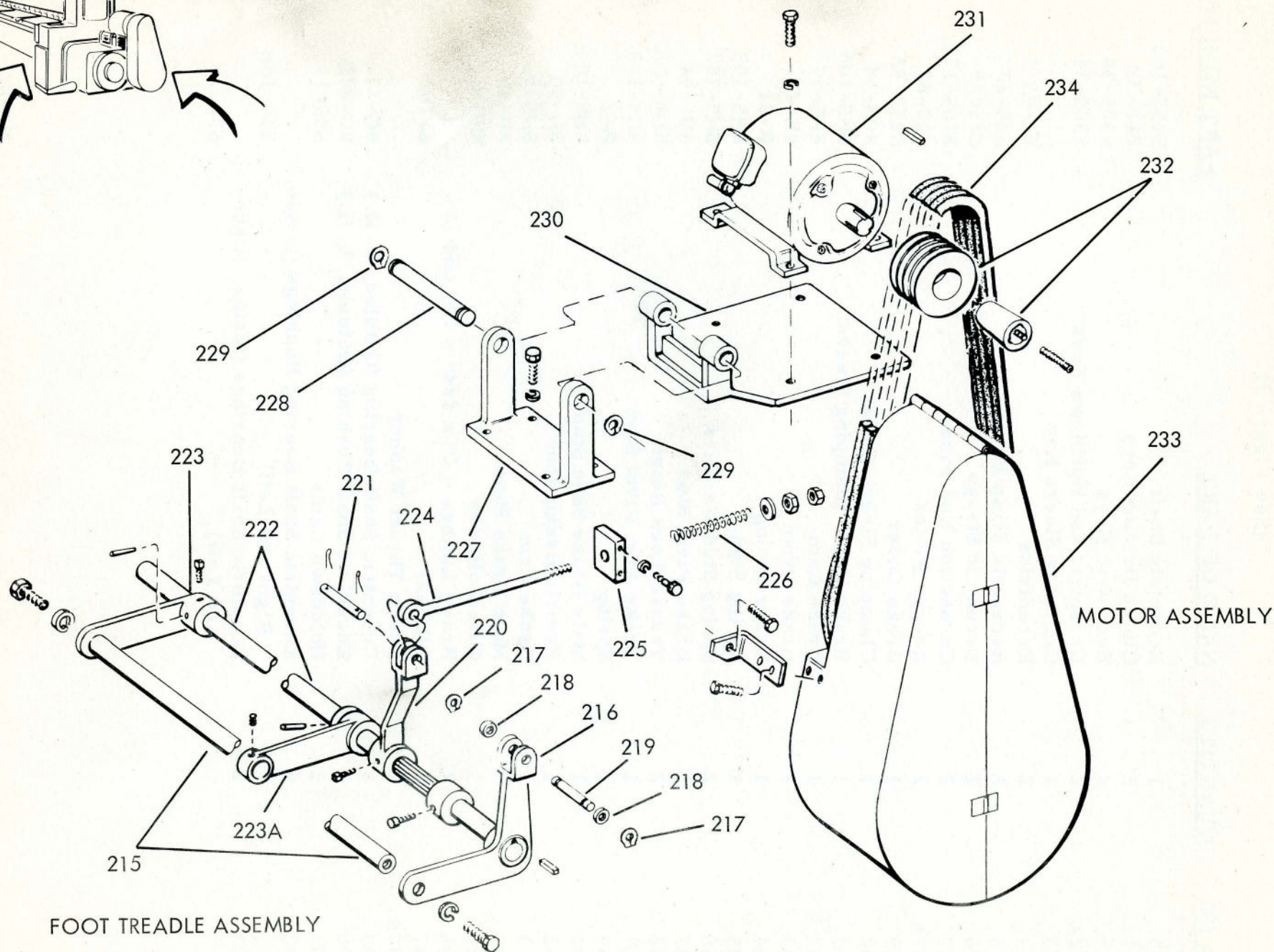
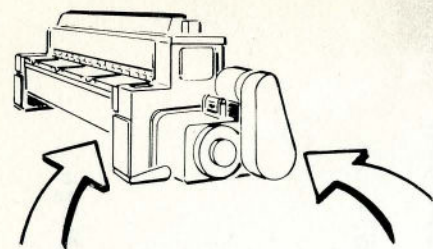


FIG. 4 FOOT TREADLE ASSEMBLY - MOTOR ASSEMBLY

FOOT TREADLE AND MOTOR ASSEMBLIES

(See Figure 4)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
215	1	Foot Treadle	8GS-94
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	8GS-93
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	8HS-27
228	1	Motor Bracket Pivot Shaft	8HS-28
229	2	Truarc Lock Rings	5100-125
230	1	Motor Base	8HS-109
231	1	Motor - 10 HP, 1800 RPM	256U Fram
232	1	Motor Pulley - 4 Grooves, 6.4" P.D.	
233	1	Belt Guard	8GS-166
234	4	V-Belts	B-90

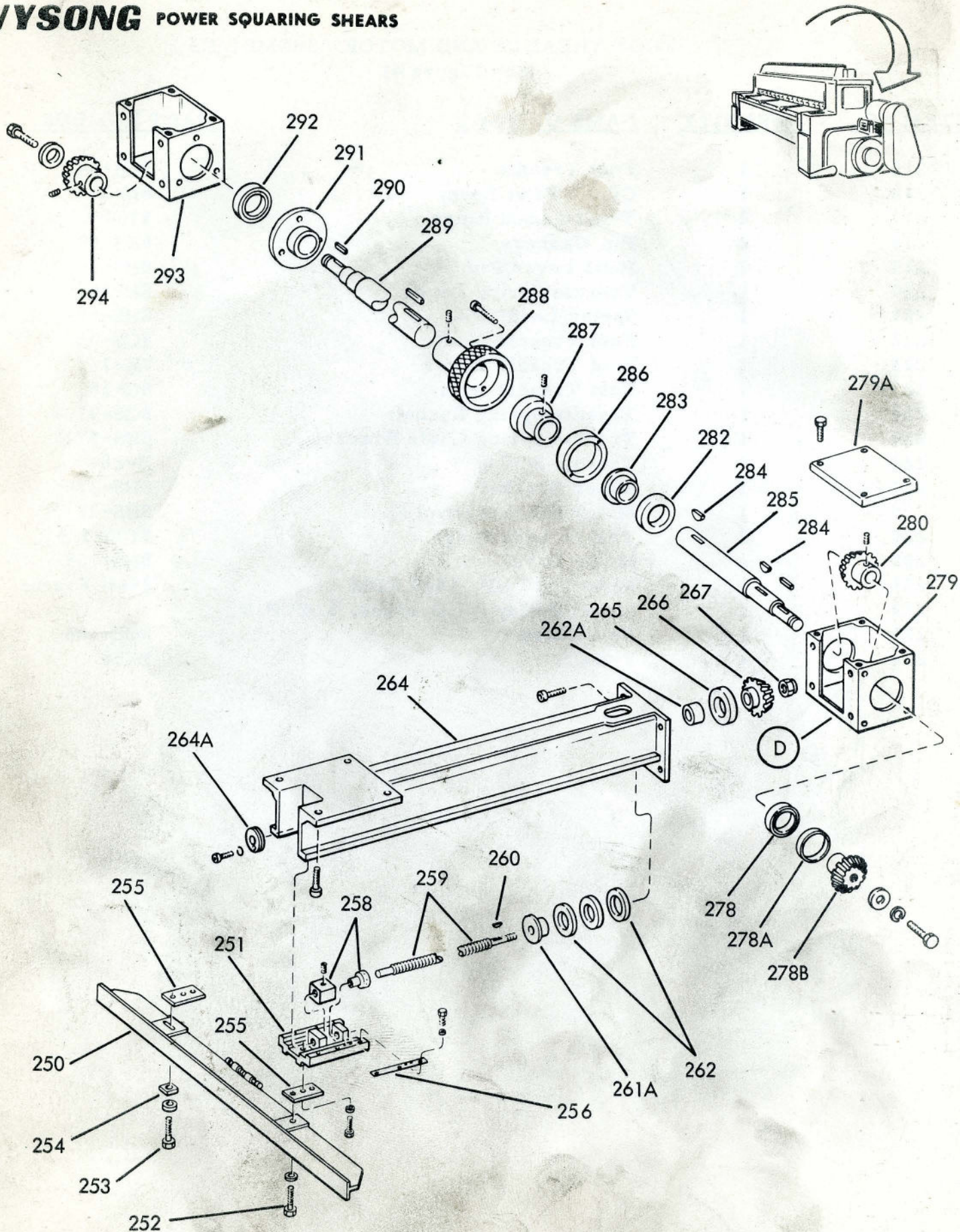


FIG. 5 BACK GAUGE ASSEMBLY

BACK GAUGE ASSEMBLY
(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-403
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	Driving Nuts	7H-252 & 7H-253
259	2	Back Gauge Drive Screws	7HS-410
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-296
264A	2	Screw Bushings	7H-286
265	2	Bearings	6205-2RS
266	2	Miter Gears	7HS-257
267	2	Nuts	3/8" -16 NC2
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-297
289	1	Horizontal Shaft	7HS-432
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-256

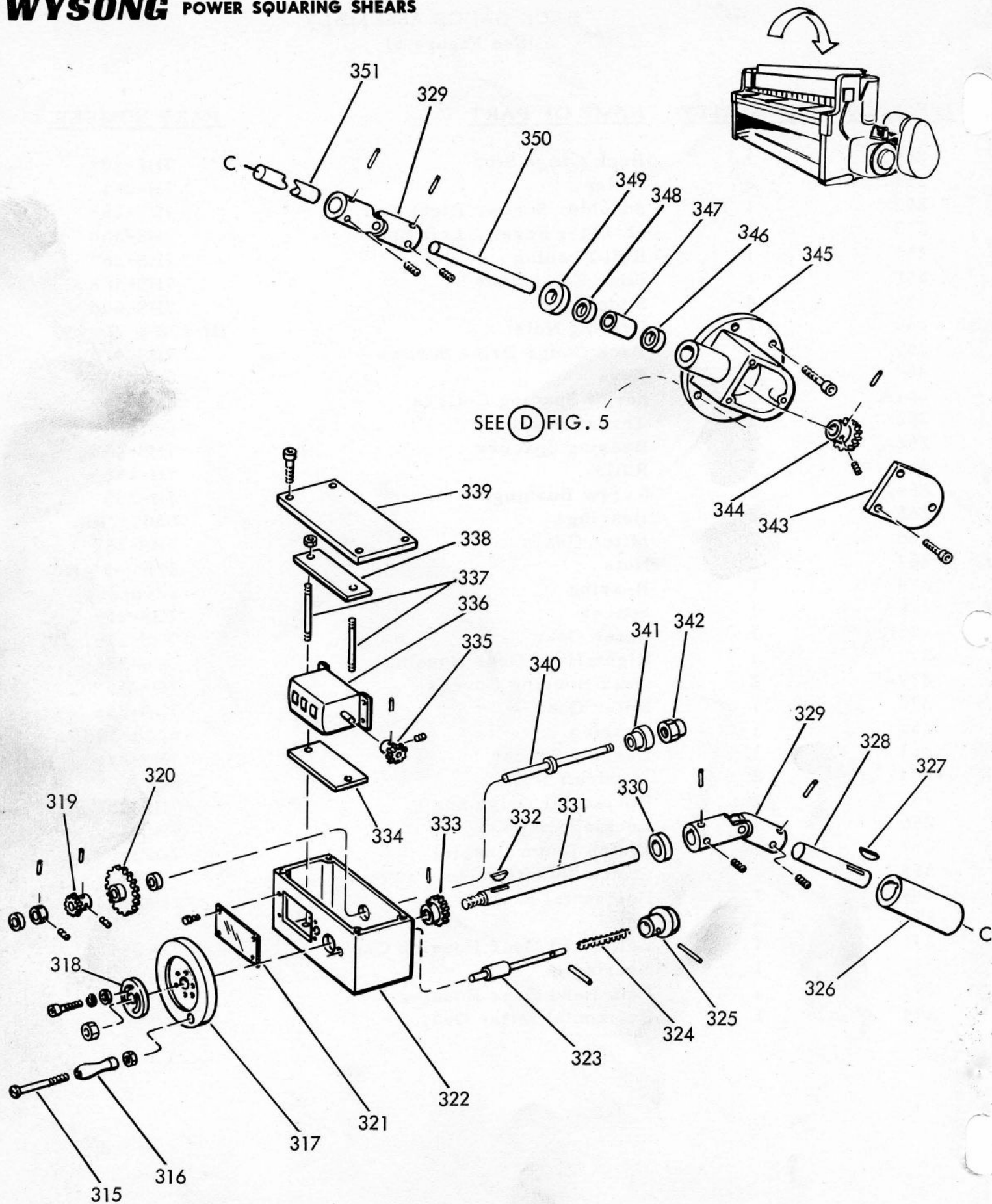


FIG. 6 FRONT - BACK GAUGE ASSEMBLY

FRONT BACK GAUGE ASSEMBLY
(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	HTD-20-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

