

WYSONG AND MILES COMPANY

GREENSBORO, NORTH CAROLINA

PARTS LIST AND ILLUSTRATIONS

POWER SQUARING SHEAR NO. 825

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.

February 1967

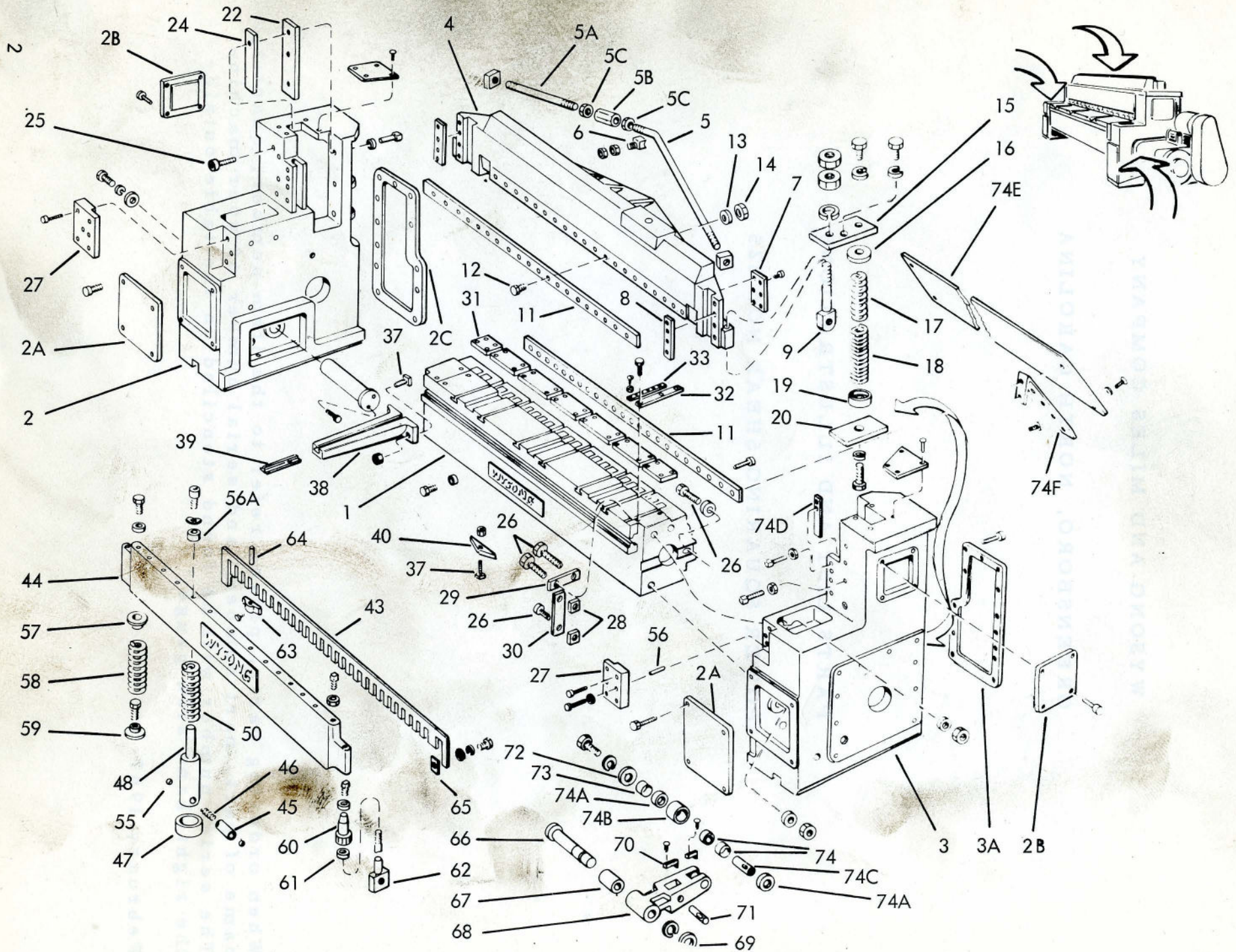


FIG. 1 TABLE - END HOUSINGS - HOIST DOWN - KNIFE BAR ASSEMBLY

TABLE, END HOUSING, HOLDDOWN, AND KNIFE BAR ASSEMBLIES FOR NO. 825
(See Figure 1)

<u>EM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
1	1	Table	7Q-18
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-56
4	1	Knife Bar	S25-53
5	1	Tension Rod - Long	S25S-74
5A	1	Tension Rod - Short	S25S-75
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	98" x 4" x 1"
12	34	Blade Bolts	5/8" x 4"
13	34	Blade Bolt Washers	5/8"
14	36	Blade Bolt Nuts	5/8"
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-172
22	2	Gibs (Stationary)	S25-61
24	2	Gibs (Take-Up)	7NS-14
25	2	Take-up Gib Locating Studs	7ES-8
26	8	Table Bolts	2 ea. - 1" x 5-1/2" 6 ea. - 1" x 6"
27	2	Table Adjusting Lugs	7K-69
28	6	Table Bolt Washers	
29	2	Table Bolt Locking Plate	S10S-187
30	2	Table Bolt Locking Plate	S10S-179
31	1	Table Plate	S25S-142
32	2	Side Gauges	SGS-18
33	2	Table Scales	
37	5	T-Bolts with Nuts and Washers	7NS-9
38	2	Table Extensions	S10-53
39	2	Disappearing Stops	8GS-106A
40	1	Angle Gauge	5Y-66
43	1	Finger Guard	7QS-23
44	1	Holddown	S25S-138
45	14	Ball Sleeves	S38S-145
46	14	Sleeve Springs	B-110

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
47	14	Holddown Feet	S38S-146
48	14	Holddown Pins	S10S-220
50	14	Holddown Pressure Springs	B-95
55	28	Steel Balls	1/2" Dia.
56	2	Dowel Pins	8GS-108
56A	14	Holddown Feet Washers	8GS-28
57	2	Top Spring Seats	S10S-173
58	2	Holddown Return Springs	B-96
59	2	Lower Spring Seats	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	2	Finger Guard Guides	S10-54
64	2	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	S25-48
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		Not Required	
74	4	Roller Bearings (McGill)	RS10
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	7QS-29
74F	4	Ramp Plate Brackets	7NS-27

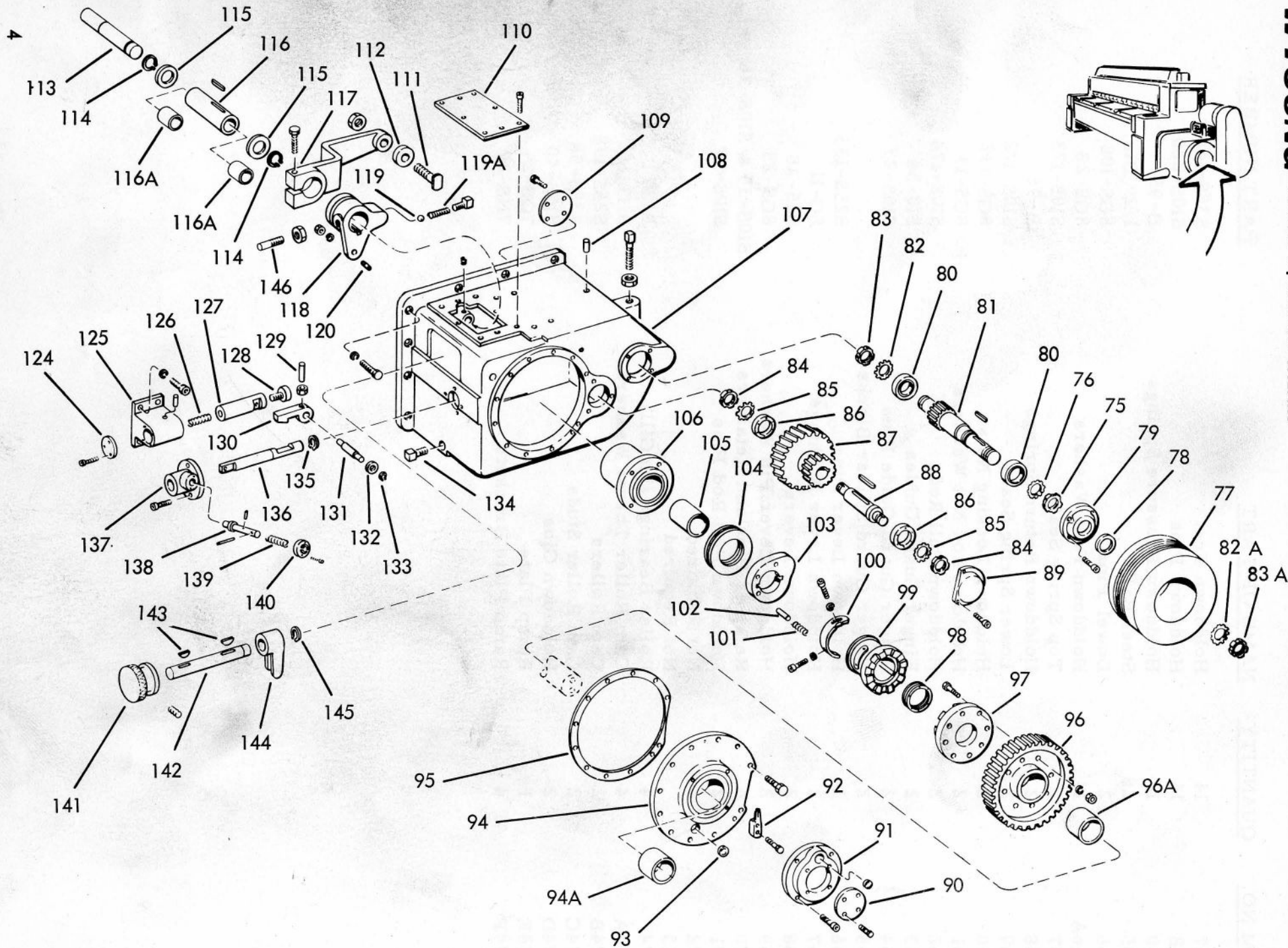


FIG. 2 GEAR CASE ASSEMBLY

GEAR CASE ASSEMBLY FOR NO. 825
(See Figure 2)

<u>EM 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	S10-77
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	8GS-104
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	1	Sleeve Retaining Collar	8HS-45
116	1	Non-Repeat Arm Sleeve	8HS-44
116A	2	Non-Repeat Arm Sleeve Bushings	8HS-22

GEAR CASE ASSEMBLY FOR NO. 825

(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

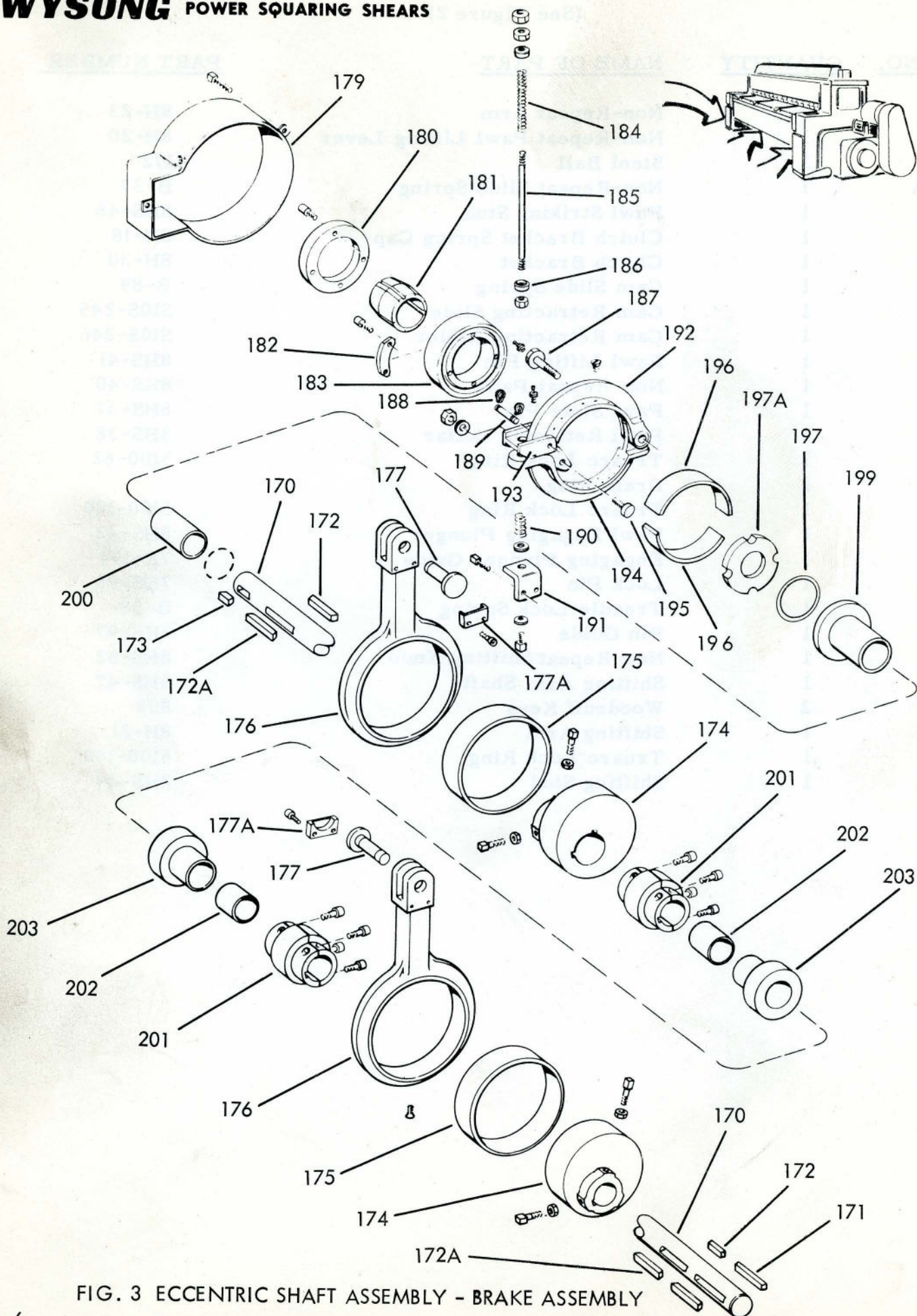


FIG. 3 ECCENTRIC SHAFT ASSEMBLY - BRAKE ASSEMBLY

ECCENTRIC SHAFT AND BRAKE ASSEMBLIES FOR NO. 825

(See Figure 3)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
170	1	Eccentric Shaft	7QS-50
171	2	Clutch Driving Keys	8HS-32
172	2	Eccentric Keys	7NS-49
173	1	Clamping Sleeve Key	
174	2	Eccentrics	7Q-23
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	5100-100
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	8HS-96
194	1	Male Brake Shoe	S10-42
195	1	Cam Follower	CF-1-3/4
196	2	Brake Linings - 2" x 1/4" x 13-1/2"	
197	1	Oil Seal	61121
197A	1	Brake Thrust Washer	
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 Bearings Bushings (Inside, Right and Left)	S10-31B
203	2	Eccentric Shaft Bearings (Inside, Right and Left)	S10-31

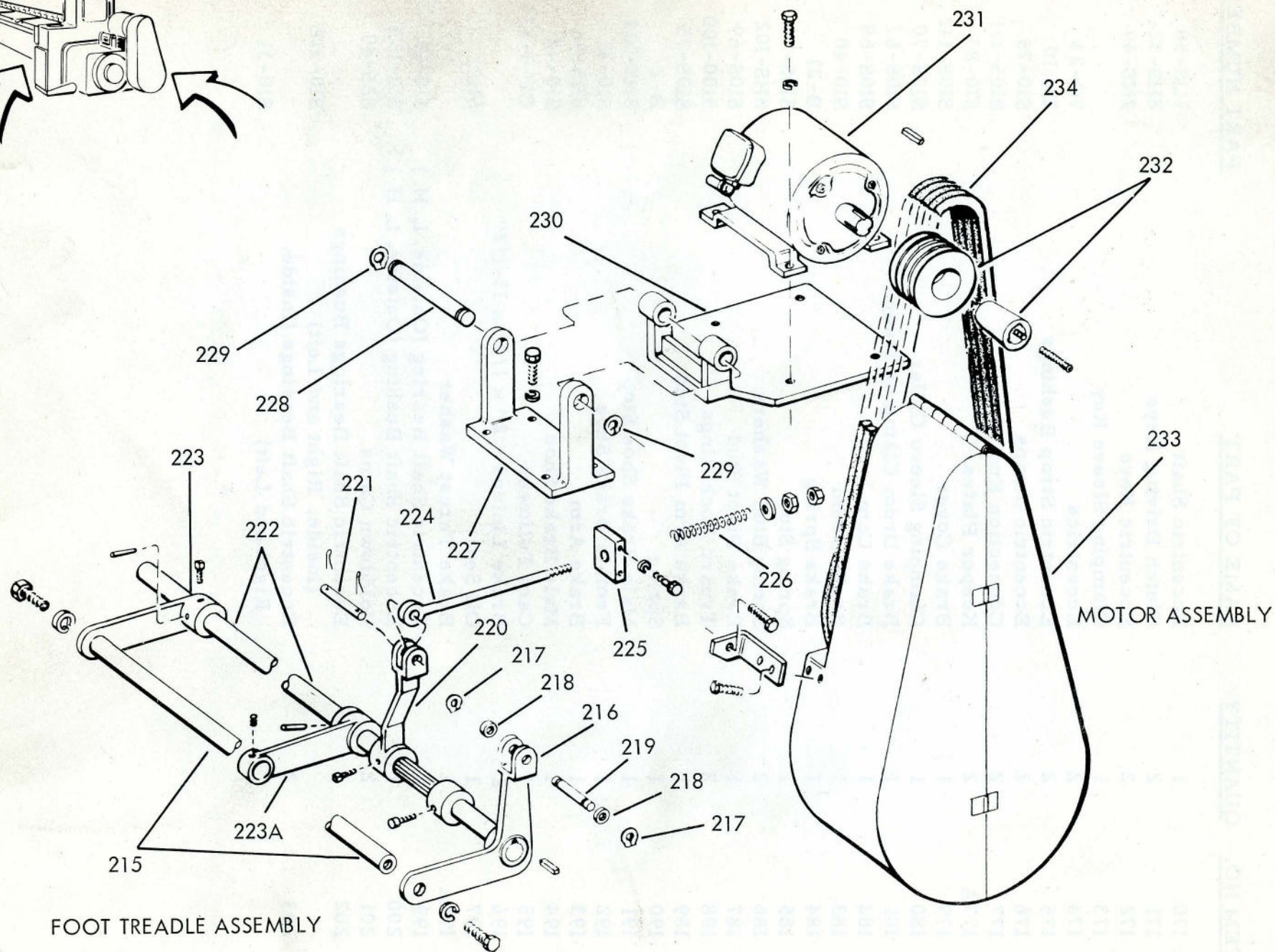
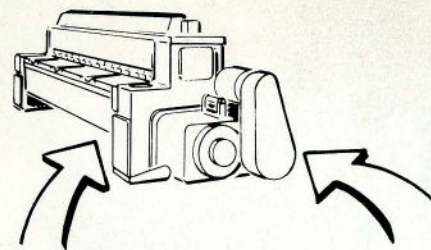


FIG. 4 FOOT TREADLE ASSEMBLY - MOTOR ASSEMBLY

FOOT TREADLE AND MOTOR ASSEMBLIES FOR NO. 825
(See Figure 4)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
215	1	Foot Treadle	7QS-26
216	1	Clutch Pawl Lever	8H-24
217	2	Truarc Lock Rings	5100-62
218	1	Pin Washer	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	7QS-25
223	1	Foot Treadle Lever	8H-25
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	S10S-182
231	1	Motor - 10HP, 1800RPM	256U Frame
232	1	Motor Pulley - 3 Grooves, 5.4" P.D.	
233	1	Belt Guard	S10S-181
234	3	V-Belts	B-75

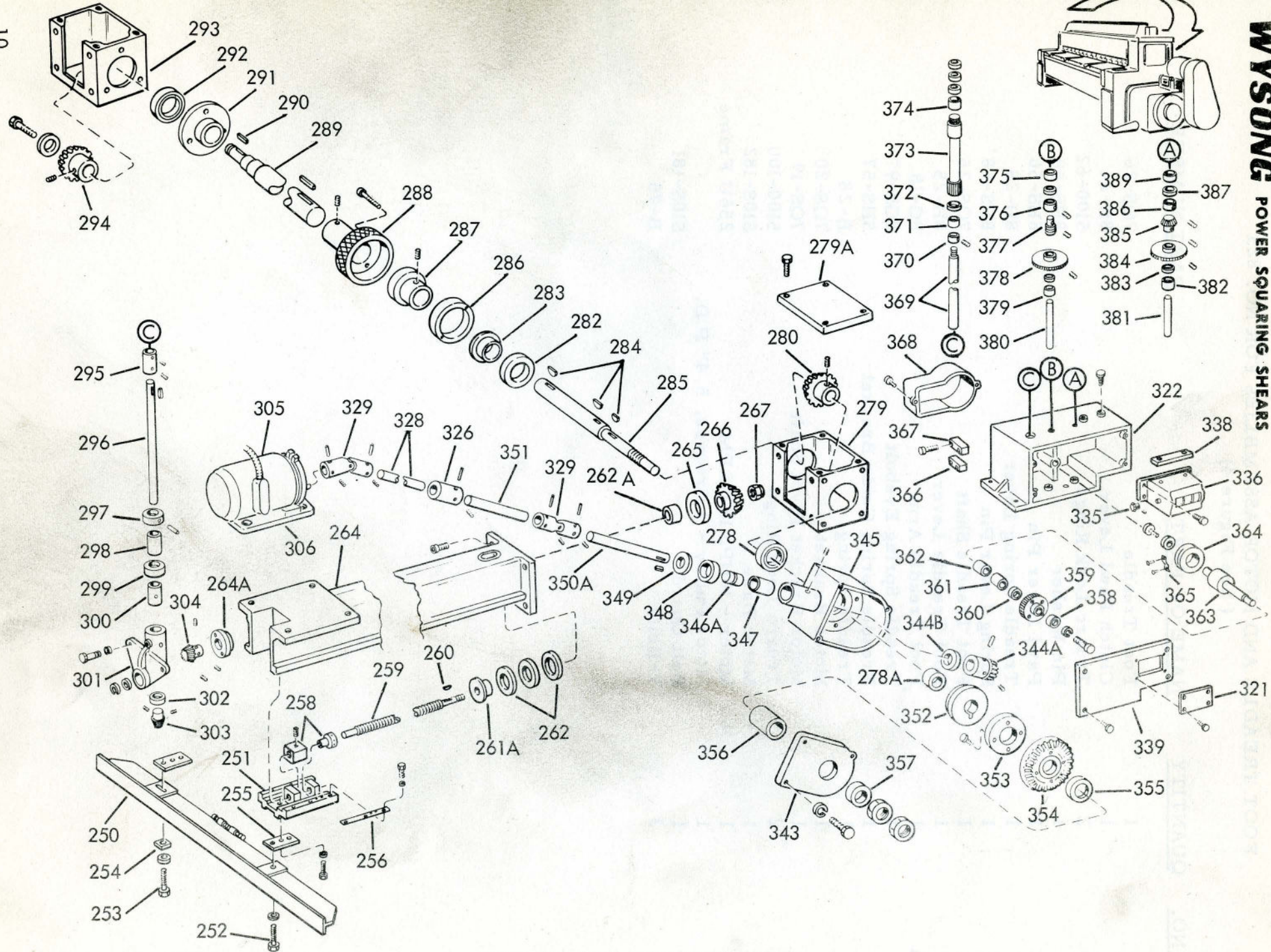


FIG. 5 BACK GAUGE ASSEMBLY

POWER OPERATED BACK GAUGE ASSEMBLY (36") FOR NO. 825
(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-414
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 (2 each)	7H-252 & 253
259	2	Back Gauge Driving Screws	BGS-65
260	2	Woodruff Keys	
261A	2	Screw Spacing Collars	7HS-249
262	2	Thrust Bearings	G-18
262A	2	Bearing Spacers	7HS-248
264	2	Rails	(Right-Hand) 7H-290 (Left-Hand) 7H-291
264A	2	Screw Bushings	7H-272
265	2	Bearings	6208-2RS
266	2	Gauge Screw Miter Gears	7HS-257
267	2	Nuts	1/2"-20
278	1	Bearing	6206-2RS
279	1	Right-Hand Gear Housing	BG-47
279A	2	Gear Housing Covers	7H-255
280	1	Horizontal Miter Gear	7HS-256
282	1	Bearing	6208-2RS
283	1	Bearing Spacer	7HS-577
284	3	Woodruff Keys	
285	1	Horizontal Drive Shaft (Short)	BGS-66
286	1	Locking Ring	7HS-479
287	1	Clutch Drum (Inside)	7H-260
288	1	Clutch Shoe (Outside)	7H-296
289	1	Horizontal Drive Shaft (Long)	7HS-243
290	1	Key	
291	1	Left-Hand Gear Housing Cap	7H-257
292	1	Bearing	6205-2RS
293	1	Left-Hand Gear Housing	7H-256
294	1	Horizontal Miter Gear	BGS-61
295	1	Coupling	BGS-85
296	1	Miter Gear Shaft	BGS-68
297	1	Collar	BGS-33
298	2	Bearings	B-1412
299	2	Bearings	IR-1012
300	1	Sleeve	BGS-12
301	1	Front Drive Housing	BG-40
302	1	Thrust Bearing	F-1
303	1	Screw Miter Gear	L-101-Y
304	1	Miter Gear	BGS-57
305	1	Motor-Frame G56SP24 (Master)	Type PA
306	1	Motor Base	7HS-603

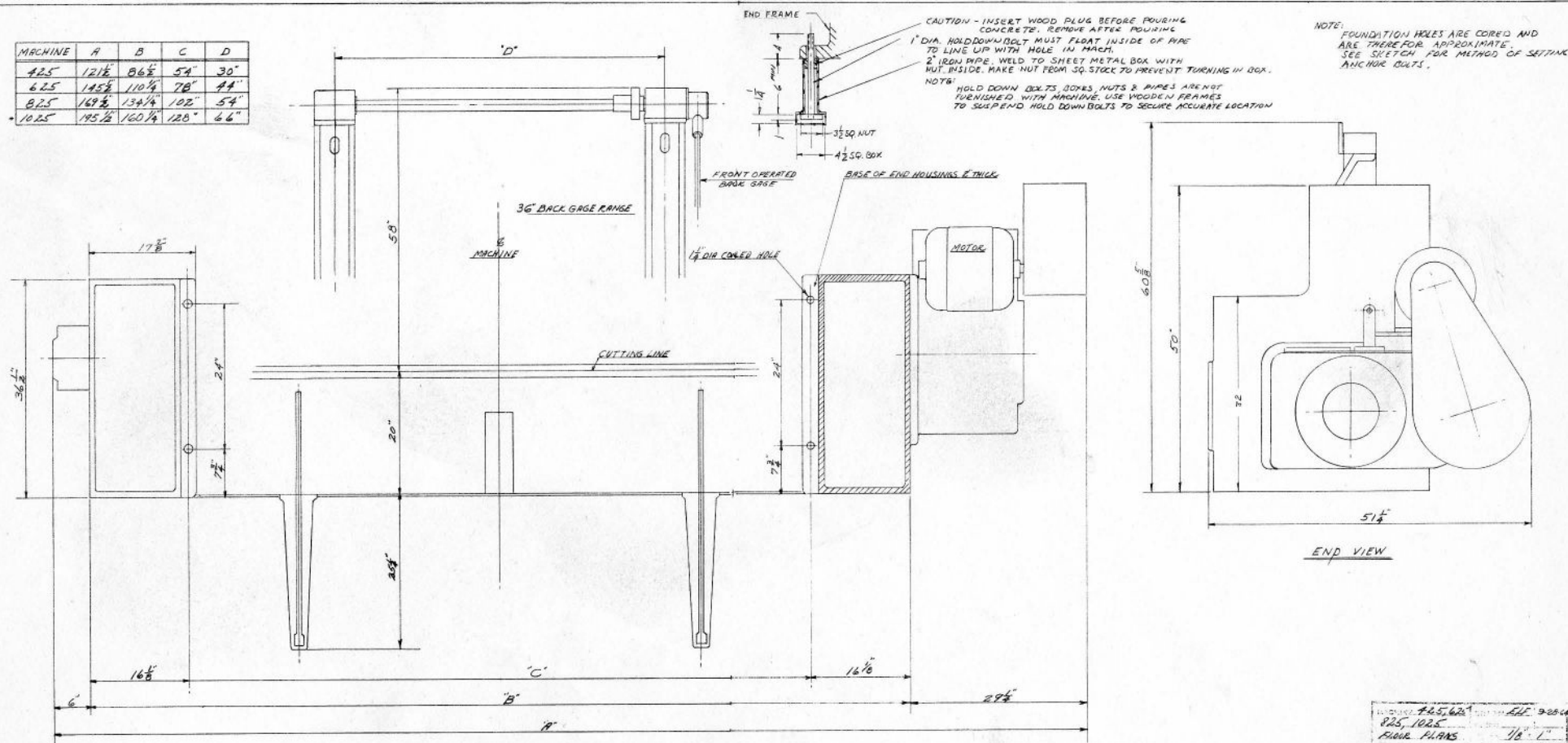
POWER OPERATED BACK GAUGE ASSEMBLY (36") FOR NO. 825
(See Figure 5)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
321	1	Measuring Box Dial Cover	Plexiglass
322	1	Measuring Box	BG-32
326	1	Drive Shaft Coupling	BGS-208
328	1	Upper Drive Shaft	BGS-31
329	2	Universal Joints	(Upper) J-150B (Lower) BGS-29
335	1	Miter Gear	G465Y
336	1	Veeder Root Unit	D-113043
338	1	Clamping Plate	BGS-79
339	1	Measuring Box Cover	BG-33
343	1	Gear Box Cover	BG-10
344A	1	Pinion Gear	BGS-34
344B	1	Thrust Washer	BGS-49
345	1	Gear Box	BG-19
346A	1	Bearing Spacer	BGS-28
347	2	Bearings	B-1616
348	2	Needle Bearings	IR-1216
349	1	Washer	BGS-49
350A	1	Pinion Shaft	BGS-35
351	1	Universal Drive Shaft	BGS-191
352	1	Plate	BG-7
353	1	Washer	BG-6
354	1	Bevel Gear	BGS-19
355	1	Thrust Washer	BGS-30
356	1	Spacer	BGS-59
357	1	Thrust Washer	BGS-30
358	1	Collar	BGS-82
359	1	Worm Gear	BG-29
360	1	Collar	BGS-82
361	1	Bushing	B812-4
362	1	Bushing	B812-4
363	1	Limit Control Shaft	BGS-80
364	1	Limit Control Drum	BGS-48
365	2	Limit Control Springs	BGS-45
366	1	Micro Switch	WZ-2R-A2
367	1	Micro Switch	DT-2R-A7
368	1	Measuring Box Rear Cover	BG-34
369	1	Drive Gear Shaft	BGS-76
370	1	Collar	5/8"
371	1	Bushing	B-1013-4
372	1	Thrust Washer	BGS-38
373	1	Drive Gear	BGS-77
374	1	Bushing	B-1418-6
375	1	Bushing	B-48-4
376	1	Collar	BGS-82
377	1	Worm	HLUH

POWER OPERATED BACK GAUGE ASSEMBLY (36") FOR NO. 825
(See Figure 5)

<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
378	1	Driven Gear	BG-28
379	1	Bushing	B48-4
380	1	Counter Shaft	BGS-78
381	1	Counter Shaft	BGS-78
382	1	Bushing	B-48-4
383	2	Thrust Washers	BGS-81
384	1	Driven Gear	BG-28
385	1	Gear	G465Y
386	1	Collar	1/4"
387	2	Thrust Washers	BGS-81
389	1	Bushing	B-48-4

MACHINE	A	B	C	D
425	121 $\frac{1}{2}$ "	86 $\frac{1}{2}$ "	54"	30"
625	145 $\frac{1}{2}$ "	110 $\frac{1}{4}$ "	78"	44"
825	169 $\frac{1}{2}$ "	134 $\frac{1}{4}$ "	102"	54"
1025	195 $\frac{1}{2}$ "	160 $\frac{1}{4}$ "	120"	66"



FLOOR PLANS OF NOS. 425, 625, 825, 1025

NO. 425, 625, 825, 1025
FLOOR PLANS
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