

FIG. 15

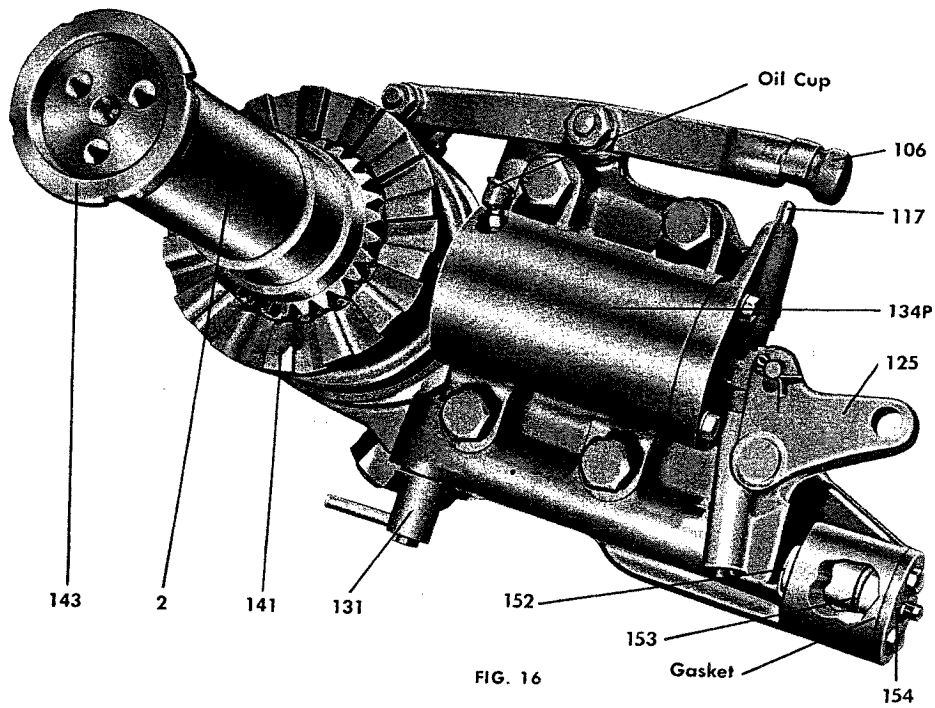


FIG. 16

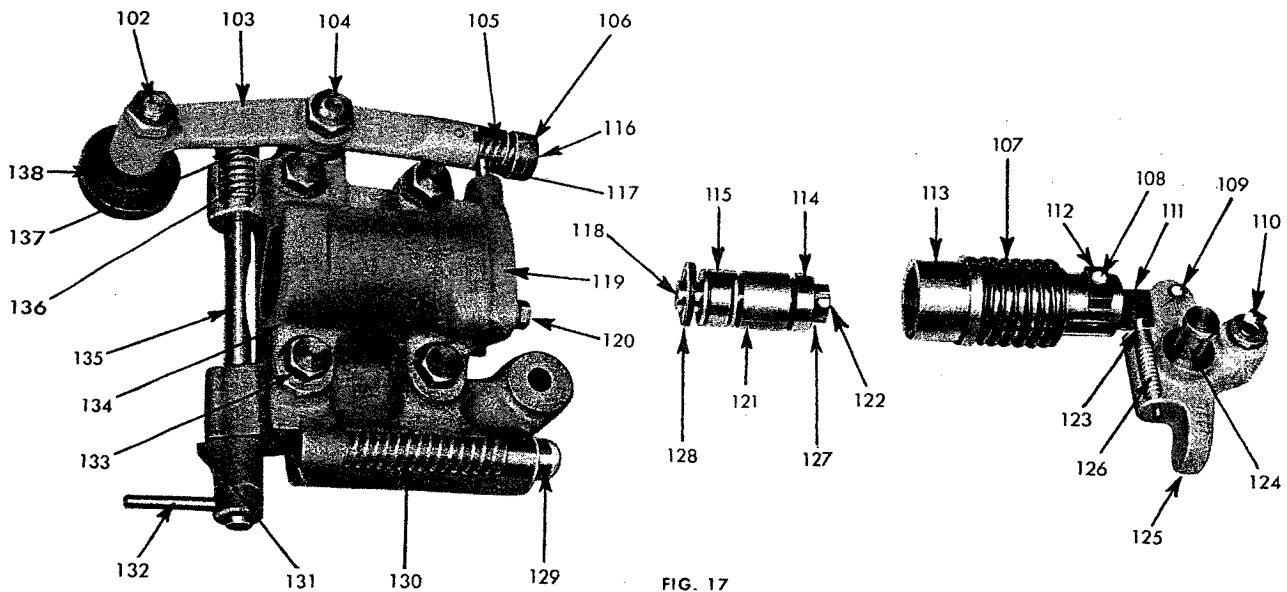


FIG. 17

PARTS LIST

When ordering parts specify Press Model No., Serial No., Part No. and Name, and Service Manual Form No. A-20-A.

Parts Common to Both Series "A" and Series "H" Presses:

PRESS

2. Crankshaft (Specify stroke)
3. L.H. Main Bearing Cap
- *4. L.H. Floating Bushing (when used)
5. R.H. Main Bearing Cap
- *6. R.H. Split Bushing (when used)
8. Connection and Cap Assembly
(Advise if special long stroke)
- *9. Connection Bushing (when used)
10. Connection Clamping Studs
11. Ball Connection Screw
12. Slide
(Advise if special flanged slide)
13. Breech Block Die Clamp
14. Breech Block Clamping Studs
15. Shims for Ball Connection Cap
16. Ball Connection Cap
17. Knockout Bar
20. Gib
21. Bolster Plate
22. Bolster Bolts
23. Treadle Rod
24. Treadle
281. Clamping Bolt
282. Clamping Nut
283. Knockout Bracket
284. Knockout Rod

BACKSHAFT

50. Backshaft
51. L.H. Backshaft Bearing
52. Backshaft Bearing Tube
53. L.H. Bearing Cover
54. R.H. Backshaft Bearing
55. R.H. Bearing Cover
56. Bearing Spacer
57. Lockwasher
58. Locknut

DRIVE

60. Flywheel
61. V Belts
62. Motor Sheave
63. Motor
64. Motor Plate
65. Motor Bracket
66. Motor Bracket Hinge Pin
67. Belt Guard
70. Gear Guard
- †142. Clutch Gear or Wheel Bearings
145. Clutch Wheel Bearing Spacer
149. Clutch Gear or Wheel

SLIDE COUNTERBALANCE

80. Counterbalance Cylinder
81. Counterbalance Tie Rod
82. Counterbalance Cylinder Cover
83. Lower Cylinder Cap
84. Counterbalance Piston
85. Counterbalance Piston Packing
86. Counterbalance Piston Rod
87. Bronze Sleeve in Part No. 83
88. Stuffing Box Packing in Part No. 83
89. Stuffing Box Compression Nut
90. Jam Nut for Part No. 89

ADDITIONAL PARTS FOR ADJUSTABLE COUNTERBALANCE

91. Counterbalance Surge Tank
(For appearance see Part No. 201)
92. Fusible Plug for Surge Tank
(For appearance see Part No. 202)
93. Safety Valve for Surge Tank
(For appearance see Part No. 203)
94. Pressure Gage
96. Swing Check Valve
97. Pressure Regulator
98. Instruction Plate
290. Exhaust Petcock

MECHANICAL SLEEVE CLUTCH

102. Cam Roller Shaft
103. Cam Lever
104. Cam Lever Pin
105. Selector Knob Spring
106. Selector Knob
107. Throwout Spring
108. Throwout Pin
109. Latch Hinge Pin
110. Treadle Rod Clamp
111. Latch
112. Throwout Key
113. Throwout
114. Throwout Bearing-Ball
115. Throwout Bearing-Needle
116. Selector Knob Pin
117. Sliding Pin
118. Throwout Shaft
119. Throwout Housing End Cover
120. End Cover Cap Screw
121. Spacing Collar
122. Throwout Shaft End Nut
123. Latch Spring Pin
124. Bell Crank Pin
125. Bell Crank
126. Latch Spring
127. Lock Washer
128. Throwout Shaft Collar Nuts
129. Treadle Spring Plunger
130. Treadle Spring
131. Indicator Collar
132. Locking Bar Handle
133. Throwout Housing Cap Screw
134. Throwout Housing
- 134P. Pneumatic Trip Throwout Housing
135. Locking Bar
136. Locking Bar Spring
137. Locking Bar End Collar
138. Cam Roller
140. Single Stroke Cam
141. Clutch Sleeve
- †142. Clutch Wheel Bearings
143. Lock Nut (A4 1/2, H4 1/2 and larger uses 2 nuts)
144. Clutch Sleeve Spring
- ‡145. Clutch Wheel Bearing Spacer
146. Lock Washer
147. Dust Cover
148. Dust Cover Lock Ring

* Not illustrated

† Timken bearings on A4 1/2, H4 1/2 and larger

Parts Common to Both Series "A" and Series "H" Presses (continued)

- 149. Clutch Wheel or Clutch Gear
- 150. Clutch Wheel Face
- 151. Clutch Wheel Face Bolt & Nut
- 152. Pneumatic Trip Piston
- 153. "O" Ring
- 154. Cylinder Cover

BRAKE

- 260. Brake Strap
- 261. Brake Collar
- 262. Brake Bolt
- 263. Spring Stud
- 264. Spring
- 265. Lining

AIR RELEASING BRAKE

- 266. Brake Strap
- 267. Spring Stud
- 268. Spring
- 269. Adjusting Screw and Nut

- 270. Piston
- 271. "O" Ring
- 272. Cylinder Cover

TWO-HAND OR FOOT TRIPPING DEVICE

- 273. Shuttle Valve
- 274. Hand Valve
- 275. Cutout Valve
- 276. Foot Control Hoses
- 277. Pilot Valve
- 278. Filter
- 279. Oiler
- 300. Throttling Orifice

FOOT AND AUTO FEED CONTROL

- 278. Filter
- 279. Oiler
- 285. Flow Control Valve
- 286. Selector Valve
- 287. Auto Feed Control Valve

Parts for Series "A" Presses Only:

PRESS

- 1 A. Frame

LEGS AND INCLINING DEVICE

- 30. Leg
- 31. Pivot Stud for Leg
- 32. Rear Stud for Leg
- 33. Tie Rod for Legs
- 34. Stud for Inclining Bracket
- 35. Inclining Bracket
- 36. Pin for Inclining Screw
- 37. Thrust Bearing for Inclining Screw (when used)
- 38. Washer for Inclining Screw (when used)
- 39. Nut for Inclining Screw
- 40. Inclining Screw

DRAW CUSHIONS

(When ordering cushion parts always give cushion serial number)

- 200. Cushion Mounting Tie Rods
- 201. Cushion Air Tank
- 202. Fusible Plug
- 203. Safety Valve for Surge Tank
- 204. Drain Petcock
- 206. Swing Check Valve
- 207. Pressure Gage
- 208. Pressure Regulator
- 288. Pipe Cross
- 289. Petcock

The above parts are used with both Single and Tandem cushions.

SINGLE CUSHION

- A1-1. Cylinder
- A1-2. Cylinder Head
- A1-3. Piston
- A1-4. Piston Packing
- A1-5. Piston Rod
- A1-6. Pressure Plate
- *A1-7. Piston Locknut
- A1-8. Cylinder Tie Rod
- A1-9. Oil Lubrication Fitting

TANDEM CUSHION

- A2-1. Upper Cylinder
- A2-2. Lower Cylinder
- A2-3. Upper Piston
- A2-4. Lower Piston
- A2-5. Piston Rod
- A2-6. Pressure Plate
- *A2-7. Lower Piston Locknut
- A2-8. Cylinder Tie Rod
- A2-9. Oil Lubrication Fitting
- A2-10. Piston "U" Ring Packing
- A2-11. Piston Rod "U" Ring Packing
- A2-12. Vellumoid Gasket
- A2-13. Cylinder Mounting Plate
- *A2-14. Upper Piston Retaining Snap Ring

Parts for Series "H" Presses Only:

PRESS

- 1 H. Frame

ADJUSTABLE BED

- 210. Table
- 211. Adjusting Screw
- 212. Locking Screw
- 213. Flanged Nut
- 214. Lock Nut

- 215. Swing Shaft
- 216. Clamping Collar
- 217. Collar
- 218. Clamping Bolts

HORN

- *219. Horn
- *220. Clamping Plate
- *221. Key
- *222. Horn Cap Screws

† Timken bearings on A4½, H4½ and larger

‡ Not used on A4½, H4½ and larger

* Not illustrated