INSTRUCTION
BULLETIN
No. 170-L-9

### CHAMBERSBURG PNEUMATIC FORGING HAMMERS Motor Driven



CHAMBERSBURG ENGINEERING CO., CHAMBERSBURG, PA. 17201, U.S.A.

## PNEUMATIC FORGING HAMMERS Instruction Bulletin No. 170-L-9

# CHAMBERSBURG

• COMPANY •

Chambersburg, Pa., U.S.A.

### SAFETY REQUIREMENTS

Basic safety requirements for this type of equipment are outlined in the National Safety Council's "Forging Safety Manual". Copies may be obtained directly from the National Safety Council, Chicago, Illinois 60611.

#### TYPES

Chambersburg Pneumatic Hammers are made in three types, namely:

#### TYPE No. 1

One piece, having the anvil integral with the frame. Sizes up to 500 lbs. falling weight.

#### TYPE No. 2

Solid Frame, having separate anvil and a one piece frame. Sizes 300 lbs. and 500 lbs. falling weight.

#### TYPE No. 3

Two piece frame, having separate anvil and a frame mounted on a baseplate. Sizes 750 lbs. and up.

#### ERECTING

HAMMER FOUNDATION should be made of reinforced concrete and must rest on solid ground or piles. Dimensions on Chembersburg Foundation Drawings are based on normal ground conditions and should be modified if hammer is placed on soil of low bearing strength. Foundation bolts and plates must be set in position when building foundation piers.

Foundations for Type No. 1 Hammers are made in one solid block, while foundations for Type No. 2 and Type No. 3 Hammers are made in three independent concrete piers.

Anvil and hammer are mounted on seasoned creosoted white oak timbers installed in horizontal rows laid alternately at right angles, to the depth shown by Chambersburg Foundation Drawings.

TYPE NO. 1 HAMMER may be mounted on the foundation as an assembled unit: Care must be taken that hammer is level.

TYPE NO. 2 AND TYPE NO. 3 HAMMERS should be assembled as follows:

- Place anvil, pc. 1, on timbers of anvil pier. See that anvil, pc. 1 is in right position and that die face is level.
- Lift hammer over anvil, pc. 1, and place on timbers of frame piers.
- Place anvil cap, pc. 2, and anvil die, pc. 3, on anvil, pc. 1, and wedge in anvil cap, pc. 2, and anvil die keys, pc. 50.
- Level hammer and see that full contact is obtained between anvil die pc. 3, and ram die, pc. 4.

- Place steel wedges between frame and anvil.
- See that safe distance from lower edge of ram, pc. 5, to lower edge of ram guide, pc. 6, is not exceeded as marked on ram, pc. 5. Anvil, pc. 1, must set higher, as indicated on foundation drawing, to allow for settling. Ram, pc. 5, should never go below safety limit.
- See that all bolts are tight and that the two halves of flexible coupling, pc. 114, (on Type No. 3 Hammers only) have between ¼ and ¼-inch clearance when motor is running on its dynamic center.

LARGE HAMMERS of Type No. 3 are shipped in 3 pieces—base plate, pc. 100, with crank shaft and gear; frame, pc. 7, complete and gear case complete. Lift hammer frame, pc. 7, and place on base plate, pc. 100. Place body bound bolts through base and frame flange. Shrink in front bolts. Connect two-piece connecting rod by means of bolts and see that cotter pins are in place. Place gear case on base, pc. 1, and frame; locate by the taper pins, which are fitted through the bottom flange of gear case and the base. Bolt gear case to base and frame.

Place motor, pc. 113, on bracket and connect flexible coupling, pc. 114. See that the two halves of coupling have between 1/4 and 1/4-inch clearance when motor, pc. 113, runs on dynamic center.

Connect belt, pc. 112, to pinion shaft and oil pump pulley.

### OPERATING PRINCIPLE

THE OPERATING PRINCIPLES for all three types are the same. A crank driven power piston (crankshaft is gear driven from the motor) displaces compressed air between piston cylinder and ram cylinder. The action is as follows:

cylinder. The action is as follows:
Two forces unite in raising ram,
compressed air below ram piston and
vacuum above ram piston, while four

forces are united in forcing down the ram, namely—compressed air on the full cylinder area above ram piston created by the power piston, vacuum below ram piston, additional compressed air above ram piston in an air cushioning chamber, which is created by the force of the ascending ram, and the force of gravity.

#### OPERATING

### When Starting Hammer-

- See that starting valve handle, pc
   se, is directed toward "start".
- Always place main control handle, pc. 68, in "suspended position", that is, operating lever rests against operating latch, pc. 64, when operating latch, pc. 64, is turned to the right.
- When the motor, pc. 113, is up to speed, direct starting valve handle, pc. 89, toward "run". The ram, pc. 5, then raises and remains in its highest position until main valves, pc. 19 & 21, are operated by means of control handle, pc. 68, or foot treadle, pc. 75.

### When Running Hammer—

 Do not move control handle, pc. 68, suddenly until ram, pc. 5, is oscillating. Moving control handle, pc. 68, from suspended to blow position, that is, counterclockwise, or depressing the foot treadle, pc. 75,

- causes the ram, pc. 5, to strike a constant number of blows, the intensity of blow depending on amount of control movement.
- For "hold down" or "squeeze" move operating lever latch, pc. 64, to the left, control handle, pc. 68, to the extreme left position and hold it there. Ram, pc. 5, descends slowly and will remain pressing upon the anvil, pc. 1.
- Should the motor, pc. 113, be left running between heats, opening the starting valve will effect a saving in power.

### NOTE: Safety Feature—

When the motor, pc. 113, is running and hammer is not in use, turn operating latch, pc. 64, to the right and move control handle, pc. 68, to "suspended position". Then turn safety latch, pc. 541, to the left. This locks control handle, pc. 68, or foot treadle, pc. 75.

#### MAINTENANCE

It is important that the hammer receive proper lubrication as specified on the drawings (pages 7, 9, 11, and 13).

ALL BEARINGS are of the heavy antifriction type. Attention should be given to regular lubrication of these bearings

by means of Alemite Gun.

200 LB. & 300 LB. HAMMERS (TYPE 1) AND 300 LB. & 500 LB. HAMMERS (TYPE 2) have three points for lubrication. Crankshaft and connecting rod bearings are lubricated through a coverplate (marked "remove for greasing") on the left side of frame (two fittings). Flywheel shaft bearings are lubricated through one Alemite fitting on end of flywheel shaft through hole in left-hand side of motor bracket.

500 LB. (TYPE 1) HAMMERS have five points for lubrication. Main crankshaft bearing and connecting rod bearing are lubricated through a coverplate (marked "remove for greasing") on the left side of frame (two fittings). One pinion shaft bearing is lubricated through a coverplate (marked "remove for greasing") on left side of gear case (two fittings). The other pinion shaft bearing is lubricated through one Alemite fitting in back of motor shaft

bearing, and the flywheel shaft bearings are lubricated through one Alemite fitting on end of flywheel shaft, mounted between gear case and gear case cover. The anti-friction bearings require lubrication approximately every 500 hours of running, using an anti-friction bearing grease, such as Shell Darina Grease, No. 2.

GEARS OF TYPE NO. 3 AND 500 LB. TYPE 1 HAMMERS operate in an oil bath. Oil is filled through two pipe elbows on left side of frame and on back of gear case. Oil level on top of elbows indicates full oil reservoir. A heavy gear oil such as Shell Valvata Oil J78, or equal, is recommended.

A TWO FEED OIL PUMP, belt driven from the main drive, serves the ram and compression cylinders. It should be filled with Shell Clavis Oil J37, or equal. A hand crank on the pump provides a means of lubricating the cylinders before starting the hammer after a shutdown period. When hammer is new, set automatic force feed lubricator to maximum feed and reduce to 2 to 6 drops per minute (depends on hammer size) after hammer has been worked in. The power piston cylinder should

receive more oil than the ram cylinder, as a part of oil is forced from piston cylinder through valves into ram cylinder. In cold weather it is advisable to warm the oil a little before pouring into oil pump. This permits the oil to flow freely through the strainer. When hammer is new, the oil pump should be checked twice a day; after hammer has worked in, once a day is sufficient.

Hand oiled points should be serviced as called for on the drawings using Shell Tellus Oil 72, or equal.

In order to renew the LEATHER PACKING RINGS, pc. 76, in ram guide, pc. 6, remove ram cylinder head, pc. 8, and lift ram, pc. 5, out of guide, pc. 6.

When PISTON RINGS, pc. 77 & 78, on ram piston or power piston are examined or renewed, see that joints of rings are opposite and placed so that the joints do not ride over an air port.

Examine CONNECTING ROD BOLTS, pc. 35, occasionally and see that cotter pins are in place.

KEYS, pc. 59 & 60, should be kept under observation, especially ram die key, pc. 59.

Motors, pc. 113, may run either direction, except on larger hammers, where running direction of motor is indicated on gear case opposite motor face. Rubber cups, pc. 204 & 205, in the motor shock mounts, should be examined every 1000 hrs. and replaced in sets as required. (Type 1 only)

With careful maintenance this hammer will give you long, troublefree service.

Certain parts should be carried on hand at all times in your maintenance department to minimize down time. The suggested list, below, can be modified to suit your anticipated needs.

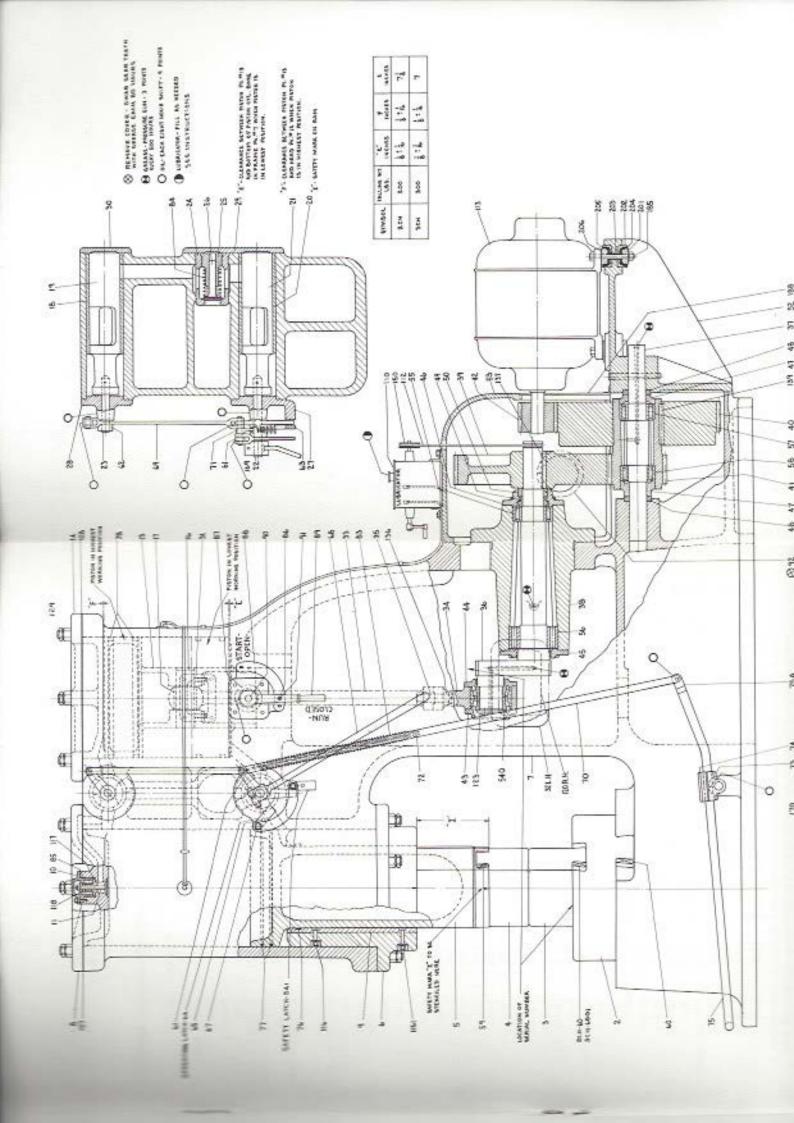
# 2 Ram Guide Plates, pc. 9 1 Pinion, pc. 42 (200 & 300 lb. Type 1 & 300—500 lb. Type 2 only) 4 Leather Rings, pc. 76 2 Ram Rings, pc. 77 1 Spring, pc. 84 1 Spring, pc. 85

# 200 LB. AND 300 LB. CHAMBERSBURG PNEUMATIC MOTOR DRIVEN FORGING HAMMER, TYPE I

#### PARTS LIST

Parts shown with an asterisk (\*) should be carried on stock in the quantities specified.

	G1232344.			Date Ma	
Brt No.	Name	Part No.	Name	Part No.	Name
0 P	> in the cap	42 -	Batainas Cauda	0 0	Opening Volum
4 0	Day Die	44	Retainer Cover	n on	Starting Valve Bearing
J 4	Ram	45	Retainer Cover	89	Starting Valva Handle
6	Ram Guide	46	Retainer Cover	90	Starting Valve Stem
7	Frame	47	Collar	91	Plunger Pin
8	Ram Cylinder Head	48	Thrust Washer	92	Gear Guard Cover
9 *2	Ram Guide Plate	49	Adjusting Collar	110	Lubricator Manzel
10	Relief Velve Cover	60	Collar	112	Leather Belt
=	Stem	52	Motor Bracket	113	Motor
13	Piston	63	Gear Guard	116	Boit
7.	Piston Cylinder Head	00	Bearing-Hyatt	117	Relief Valve Guide
16	Wrist Pin	56	Bearing-Hyatt	118	Relief Valve Washer
17	Bushing	67	Bearing-Hyatt	120	R. H. Frame Cover
18	Valve Bushing-Upper	58	Bearing-Hyatt	123	Cap
19	Valve-Upper	68	Ram Key	127	Gasket
20	Valve Bushing-Lower	60	Key	128	Gasket
21	Valve-Lower	61	Lever-Lower Valve	129	Stud
22	Valve Stem-Lower	62	Lever-Upper Valve	136	Nut
23	Valve Stem-Upper	63	Segment	137	Key
24	Check Valve Bushing	60	Latch	139	Key
26	Check Valve Guide	65	Latch Pin	150	Pullay
26	Stem	67	Latch Collar	169	Pin
27	Bearing—Lower Valva	83	Control Handle	170	Pin
28	Bearing-Upper	69	Connection	185	Bolt
29	Cover-Lower Valve	70	Connection	188	Gear Guard Plate
30	Cover-Upper Valve	71	Spring Connection	201	Plug
31	Balance Cover	72	Spring Pin	202	ngert
32	L. H. Frame Cover	73	Treadle Shoe	202	Bushine
33	Connection Rad	74	Treadle Cap	200	D Course
34	Crank Connection	76	Treadle	403	nuopel cup
36	Bolts	75A	Treadle End	200	Rupper Cup
36	Crankshaft	76 *4	Leather Rings	206	Shim
37	Shaft	77 *2	Ram Rings	540	Bearing—Timken
38	Bearing-Crankshaft	78	Piston Rings	541	Latch
39	Flywheel Gear	83	Spring	1131	Starter
40	Flywheel Gear	84 *1	Spring	1161	Bolt
44	Gear	85 *1	Spring	6001	Key (300 lb. ONLY)



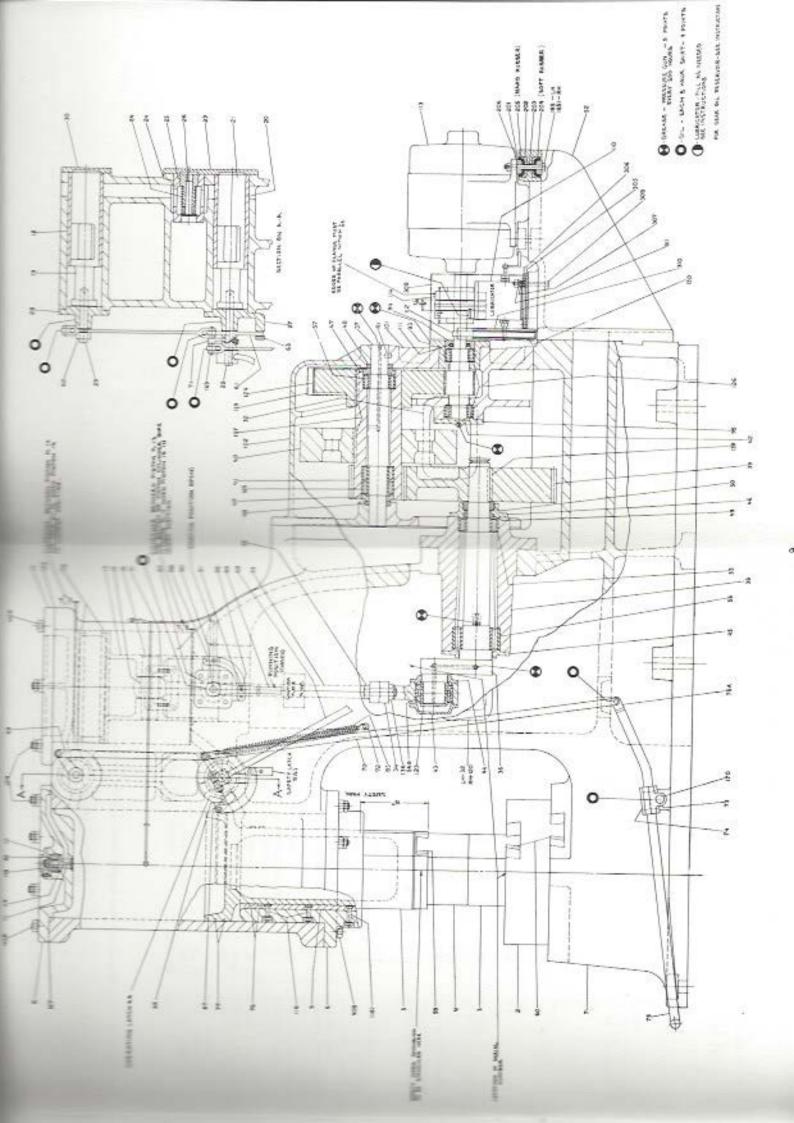
# 500 LB. CHAMBERSBURG PNEUMATIC MOTOR DRIVEN FORGING HAMMER, TYPE I

#### PARTS LIST

Parts shown with an asterisk (\*) should be carried on stock in the quantities specified.

45	44	20	4 4 4	42	41	40	39	38	37	36	35	34	33		32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	4	13	1	10	9 *2	00	7	6	O1	4	ω	Part No.
Retainer Cover	netainer Cover	Detailed Coxes	Betainer Cover	Pinion Shaft	Connection Gear	Flywheel	Flywheel Gear	Bearing-Crankshaft	Shaft	Crankshaft	Boits	Crank Connection	Connection Rod	Gear Case Cover	L. H. Frame &	Balance Cover	Cover-Upper Valve	Cover-Lower Valve	Bearing-Upper Valve	Bearing-Lower Valve	Stem	Check Valva Guide	Check Valve Bushing	Valve Stem-Upper	Valve Stem-Lower	Valve—Lower	Valve Bushing-Lower	Valve-Upper	Valve Bushing-Upper	Bushing	Wrist Pin	Piston Cylinder Head	Piston	Stem	Relief Valve Cover	Ram Guide Plate	Ram Cylinder Head	Frame	Ram Guide	Ram	Ram Die	Anvil Die	Anvil Cap
102	100	101	96	94	93	9	9 9	3 6	89	88	87	86	1. 98	84 :1	83	78	77 .2	76 .4	75A	75	74	73	72	71	70	69	68	67	65	64	63	62	61	60	59	67	56	55	52	50	49	48	47 47
Geer Case Cap	Good Case Case	Gear Case	Cover	Bearing Collar	Motor Shatt Bearing	Flunger Fin	Clariting verse Court	Starting Valve Stem	Starting Valve Handle	Starting Valve Bearing	Starting Valve	Spring	Spring	Spring	Spring	Piston Rings	Ram Rings	Leather Rings	Treadle End	Treadle	Treadle Cap	Treadle Shoe	Spring Pin	Spring Connection	Connection	Connection	Control Handle	Latch Collar	Latch Pin	Latch	Segment	Lever-Upper Velve	Lever-Lower Valve	Кву	Ram Key	Bearing-Hyatt	Bearing-Hyatt	Bearing—Hyatt	Motor Bracket	Collar	Adjusting Collar	Thrust Washer	Collar
1851	1161	1131	541	540	400		311		8 309	g 308	307	306	305	208	205	204	203	202	201	185	181	170	169	150	139	137	136	129	128	127	126	125	124	123	120	119	118	117	116	114	113	112	111
Bolt	Bolt	Stortor	Latch	Bearing-Timken	8011	0	Washer	Guard	Guard	Bolts	Spring	Plate	Fabreeka Pad	Shim	Rubber Cup	Rubber Cup	Bushing	nsert	Plug	Bolt	Pin	Pin	Pin	Pulley	Key	Key	Nut	Stud	Gasket	Gasket	Bearing—Hyatt	Bearing-Hyatt	Gear	Cap	R. H. Frame Cover	Guard	Relief Valve Washer	Relief Valve Guide	Bolt	Coupling	Motor	Leather Belt	Oil Seal

When ordering Reprisement Parts give Pert Number, Name, Size Hansmer, and Machine Number. Machine Wember will be found Stencilled on Amel Cap and right hand side of Freme above Caver, Pert Nr. 120. Machine Number will side be found an Identification Plate attached to right hand side of Gear Case.



# 300 LB. AND 500 LB. CHAMBERSBURG PNEUMATIC MOTOR DRIVEN FORGING HAMMER, TYPE II

#### PARTS LIST

Parts shown with an asterisk (°) should be carried on stock in the quantities specified.

200	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	14	13	11	10	9 *2	8	7	8	Œ	4	ω	N	1	Part No.
Bandan Constated	Shaft	Crankshaft	Bolts	Crank Connection	Connection Rod	L. H. Frame Cover	Balance Cover	Cover-Upper Valve	Cover-Lower Valve	Bearing-Upper Valve	Bearing—Lower Valve	Stem	Check Valve Guide	Check Valve Bushing	Valve Stem-Upper	Valve Stem-Lower	Valve-Lower	Valve Bushing-Lower	Valve-Upper	Valve Bushing-Upper	Bushing	Wrist Pin	Piston Cylinder Head	Piston	Stem	Relief Valve Cover	Ram Guide Plate	Ram Cylinder Head	Frame	Ram Guide	Ram	Ram Die	Anvil Die	Anvil Cap	Anvil	Name
75 /	75	74	73	72	71	70	69	68	67	65	64	63	62	61	60	69		58	57	56	56	53	62	50	49	48	47	46	401	44	43	42 *1	41	40	39	Part No.
Total Ford	Treadle	Treadle Cap	Treadle Shoe	Spring Pin	Spring Connection	Connection	Connection	Control Handle	Latch Collar	Latch Pin	Latch	Segment	Lever-Upper Valve	Lever-Lower Valve	Key	Ram Key	(300 lb. ONLY)	Bearing-Hyatt	Bearing-Hyatt	Bearing-Hyatt	Bearing-Hyatt	Gear Guard	Motor Bracket	Collar	Adjusting Collar	Thrust Washer	Collar	Retainer Cover	Retainer Cover	Retainer Cover	Retainer Cover	Pinion	Gear	Flywheel Gear	Flywheel Gear	Name
4404	1131	541	540	185	170	109	100	100	1 00	127	136	129	128	127	123	120	118	117	116	113	112	110	92	91	90	89	88	87	86	85 1	84 1	83	78	77 *2	76.4	Part No.
Bolt	Starter	Latch	Bearing—Timken	Bolt	Pin	7 5	Pulley	Ney	707	Kov	Nut	Stud	Gasket	Gasket	Cap	R. H. Frame Cover	Relief Valve Washer	Relief Valve Guide	Bolt	Motor	Leather Belt	Lubricator—Manzel	Gear Guard Cover	Plunger Pin	Starting Valve Stem	Starting Valve Handle	Starting Valve Bearing	Starting Valve	Spring	Spring	Spring	Spring	Piston Rings	Ram Rings	Leather Rings	Name

What ordering Replacement Parts give Part Number, Name, Size Hammer, and Machine Number. Machine Number will be Journal Stenozited on Anna Cop and right hand side of Frame above Cover, Part No. 120. Machine Number will also be found on Identification Piete attached to right hand side of Gear Case.

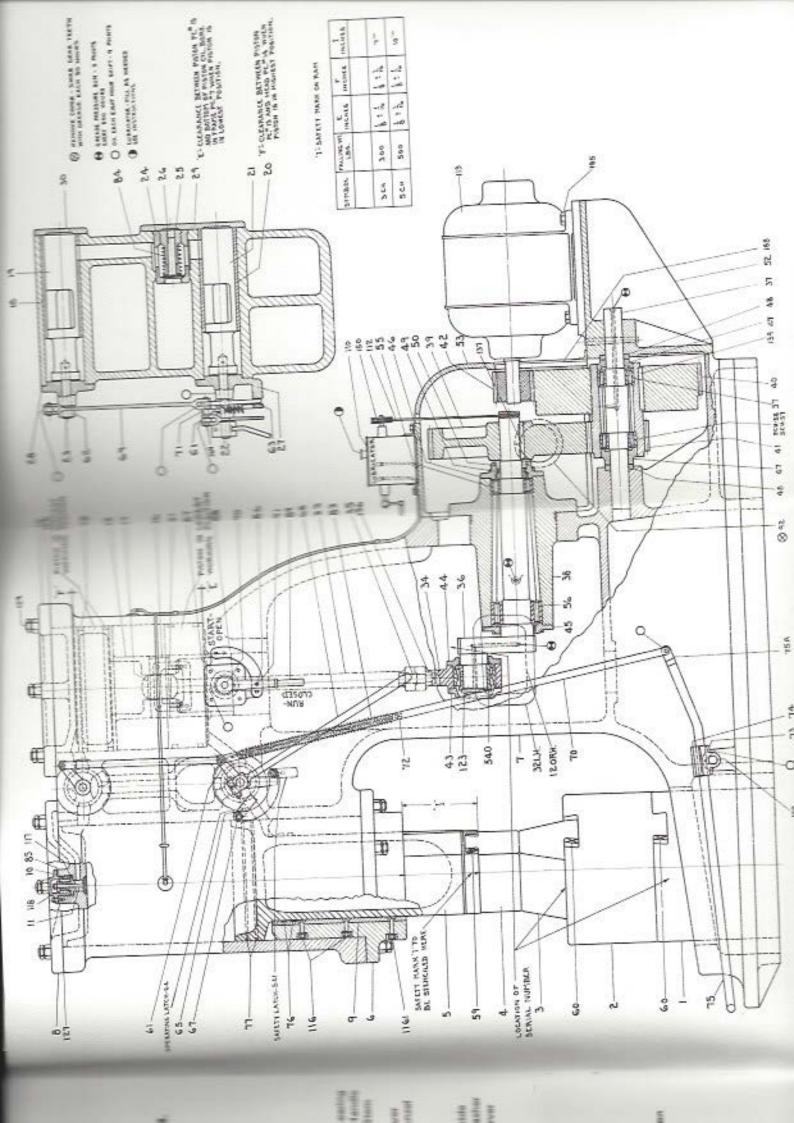
# 300 LB. AND 500 LB. CHAMBERSBURG PNEUMATIC MOTOR DRIVEN FORGING HAMMER, TYPE II

#### PARTS LIST

Parts shown with an asterisk (°) should be carried on stock in the quantities specified.

38	37	36	35	34	33	32	31	30	29	28	27	26	26	24	23	22	21	20	19	18	17	16	14	13	=	10	9 .2	æ	7	6	O1	4	ω	N	-	Part No.
Bearing-Crankshaft	Shaft	Crankshaft	Boits	Crank Connection	Connection Rod	L. H. Frame Cover	Balance Cover	Cover—Upper Valve	Cover-Lower Valve	Bearing—Upper Valve	Bearing-Lower Valve	Stem	Check Valve Guide	Check Valve Bushing	Valve Stem-Upper	Valve Stem-Lower	Valve—Lower	Valve Bushing-Lower	Valve—Upper	Valve Bushing-Upper	Bushing	Wrist Pin	Piston Cylinder Head	Piston	Stem	Relief Valva Cover	Ram Guide Plate	Ram Cylinder Head	Frame	Ram Guide	Ram	Ram Die	Anvil Die	Anvil Cap	Anvil	Name
75A	76	74	73	72	71	70	69	68	67	65	64	63	62	61	60	69		88	57	56	G.	53	52	50	49	48	47	46	45	44	43	42 *1	41	40	39	Part No.
Treadle End	Treadle	Treadle Cap	Treadle Shoe	Spring Pin	Spring Connection	Connection	Connection	Control Handle	Latch Collar	Latch Pin	Latch	Segment	Lever-Upper Valve	Lever-Lower Velve	Key	Ram Key	(300 lb. ONLY)	Bearing-Hyatt	Bearing-Hyatt	Bearing-Hyatt	Bearing Hyatt	Gear Guard	Motor Bracket	Collar	Adjusting Collar	Thrust Washer	Collar	Retainer Cover	Retainer Cover	Retainer Cover	Retainer Cover	Pinion	Gear	Flywheel Gear	Flywheel Gear	Name
1161	1131	541	540	185	170	109	- 00	100	300	127	136	129	128	127	123	120	118	117	116	113	112	110	92	91	90	89	88	87	86	85 1	84 '1	83	78	77.2	76 .4	Part No.
Bolt	Starter	Latch	Bearing—Timken	Bolt	Pin	5	ABINA	Ney	207	Kou	Nut	Stud	Gasket	Gasket	Cap	R. H. Frame Cover	Relief Valve Washer	Relief Valve Guide	Bolt	Motor	Leather Belt	Lubricator—Manzel	Gear Guard Cover	Plunger Pin	Starting Valve Stem	Starting Valve Handle	Starting Valve Bearing	Starting Valve	Spring	Spring	Spring	Spring	Piston Rings	Ram Rings	Leather Rings	Name

When ordering Replacement Parts give Part Number, Name, Size Hammer, and Machine Nomber, Machine Number will be found Stencisted on Ann'S Cap and right hand side of Frame above Cover, Part No. 120. Mechine Number will also be found on Alexification Plate attached to right hend side of Sear Case.



# 700 LB. TO 5000 LB. CHAMBERSBURG PNEUMATIC MOTOR DRIVEN FORGING HAMMER, TYPE III

#### PARTS LIST

Parts shown with an asterisk (°) should be carried on stock in the quantities specified.

43	42	41	40	39	37	36	36	34	33	32	31	30	29	28	26	25	24	23	22	21	20	19	18	17	16	14	13	11	10	9.2	00	7	6	on	۵	ω	2	_	Part No.
Retainer Cover	Pinion Shaft	Connection Gear	Flywheal	Flywheel Gear	Shaft	Crankshaft	Bolts	Crank Connection	Connection Rod	L. H. Frame Cover	Balance Cover	Cover-Upper Valve	Cover-Lower Valve	Bearing	Stem	Check Valve Guide	Check Valve Bushing	Valve Stem-Upper	Valve Stem-Lower	Valve-Lower	Valve Bushing-Lower	Valve-Upper	Valve Bushing-Upper	Bushing	Wrist Pin	Piston Cylinder Head	Piston	Stem	Relief Valve Cover	Ram Guide Plate	Ram Cylinder Head	Frame	Ram Guide	Ram	Ram Die	Anvil Die	Anvil Cap	Anvil	Name
100	86	97	95	94	93	91	90		89		88	87	86	85 -1	84 '1	82	81	80	79	78	77 .2	76 *4	69	68	67	65	64	63	62	61	60	59	57	56	55	48	47	44	Part No.
Base	Washer	Washer	Cover	Bearing Collar	Motor Shaft Bearing	Plunger Pin	Starting Valve Stern	Handle	Starting Valve	Bearing	Starting Valve	Starting Valve	Spring	Spring	Spring	Retainer Cover	Block-Rear Pillow	Retainer Cover	Black-Front Pillow	Piston Rings	Ram Rings	Leather Rings	Connection	Control Handle	Latch Collar	Latch Pin	Latch	Segment	Lever	Lever	Key	Ram Key	Bearing-Hyatt	Bearing-Hyatt	Bearing-Hyatt	Thrust Washer	Collar	Retainer Cover	Name
1161	1131	541	540	300	100	139	100	100	3 0	135	130	129	128	127	126	126	124	123	122	120	119	118	117	116	114					110	108	107	106	105	104	103	102	101	Part No.
Holt	Starter	Latch	Bearing-Timken		Yallura	Xey	Yey	Key	700	Nut	Stud	Stud	Gasket		Bearing Hyatt	Bearing-Hyatt	Gear	Cap	Cap	R. H. Frame Cover	Guard	Rollof Valve Washer	Relief Valve Guide	Bolt	Coupling	Motor	reamer best	C11 0001	Oil Soul	Lubricanor Marra	Stud	Seament Stud	Connection	Connection	Lever	Gear Case Cover	Gear Case Cap	Geer Case	Name

When ordering Replacement Parts give Part Number, Name, Size Hammer, and Machine Plumber. Mechine Number will be found Stancillad on Anvil Cap and right hand side of Frame above Cover, Part No. 120. Machine Number will also be found on Identification Plate attached to right hand side of Gest Case.

