

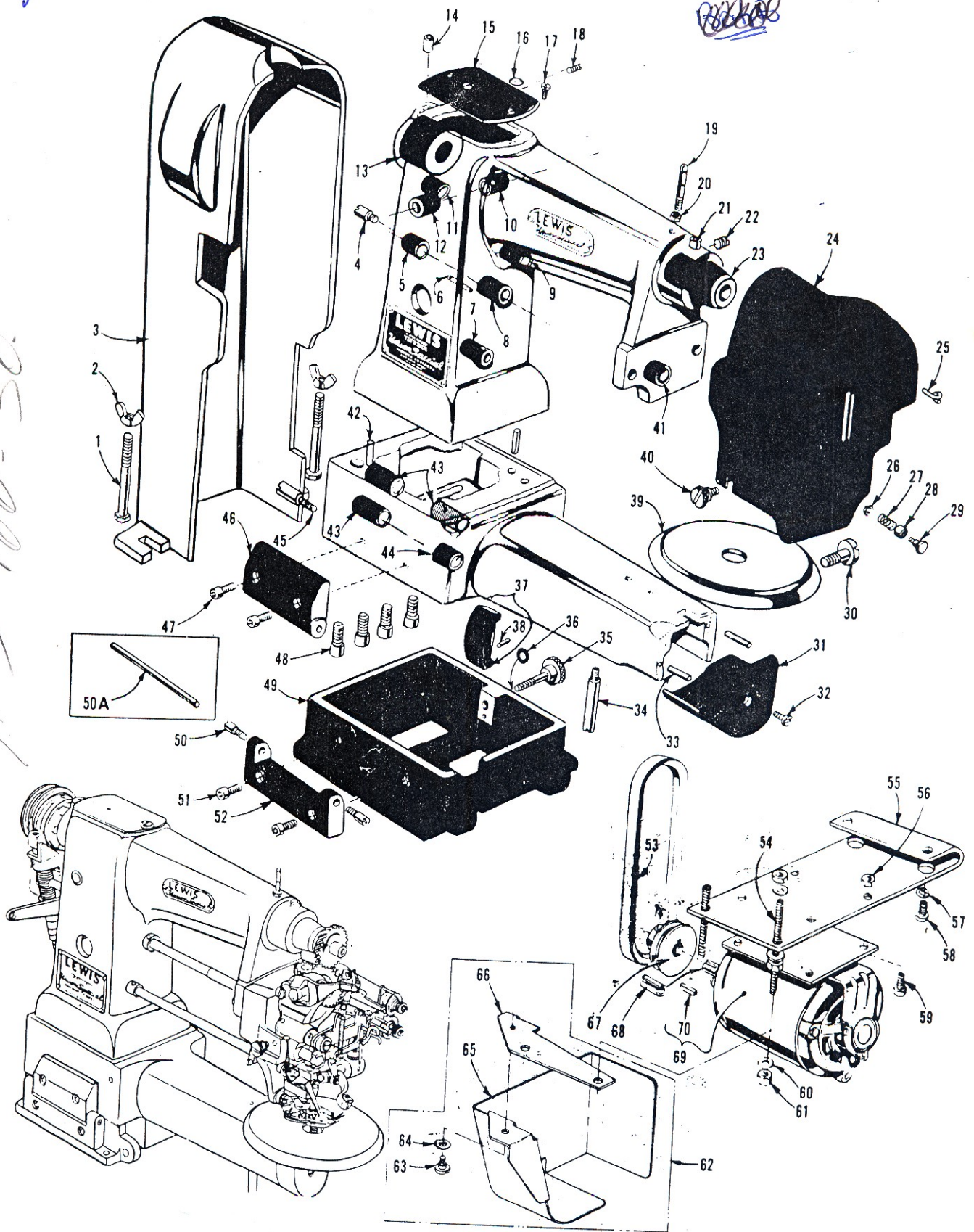
LEWIS

UNIÃO
ESPECIAL
160-30
MAQ DE
ETIQUETA

Rockwell

160-30

LEWIS



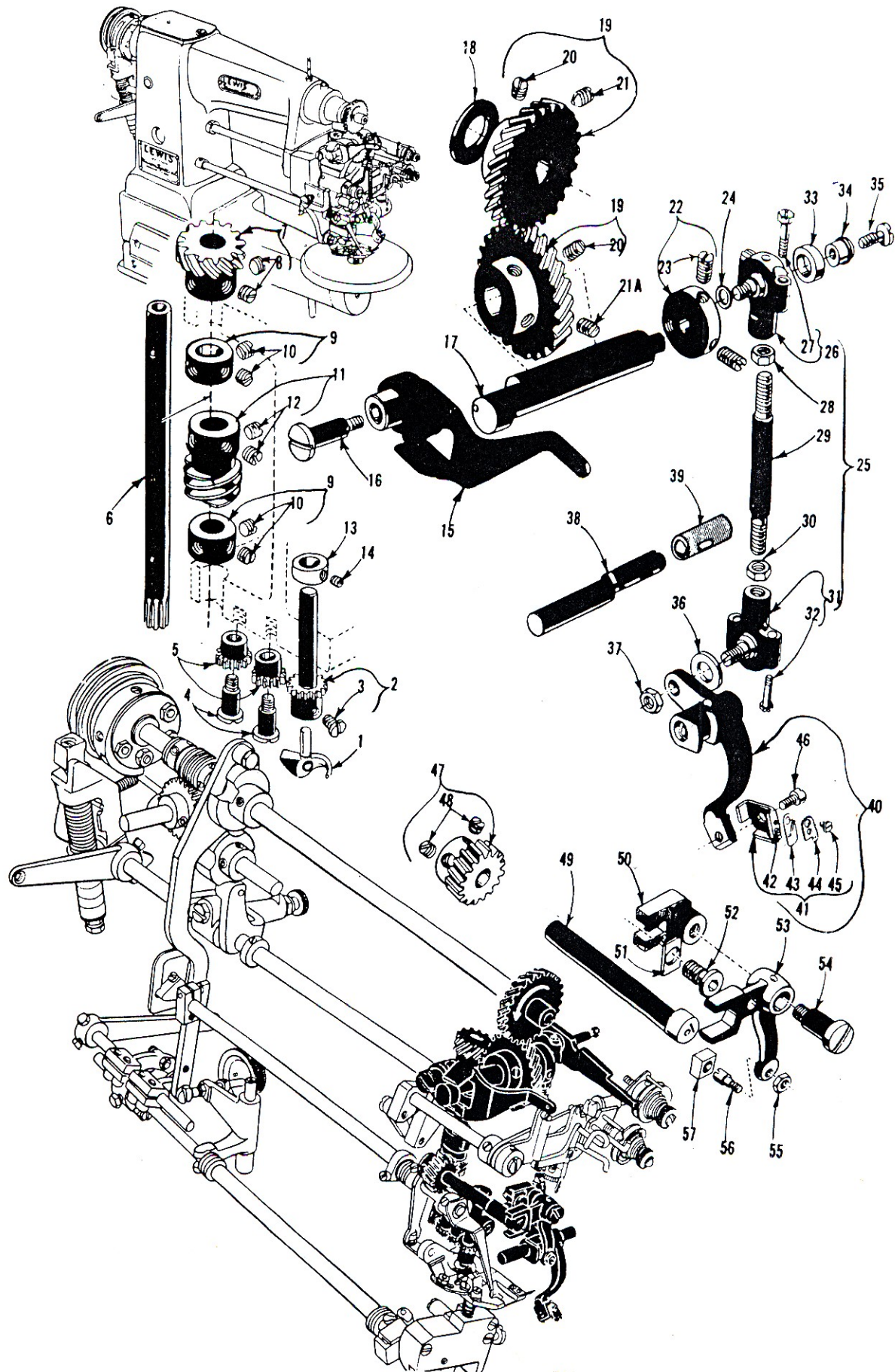
Lewis 160-30
maquina de etiqueta.

MAIN FRAME, ARM, BASE AND COVERS

Ref. No.	Part No.	Description	Amt. Req.
1	18-993	Screw -----	2
2	20-130	Wing Nut -----	2
3	32-265	Pulley and Stop Motion Cover -----	1
4	18-979	Stop Screw -----	1
5	16-326	Stop Motion Lever Shaft Bushing, back -----	1
6	22-275	Plunger Restoring Spring Pin -----	1
7	16-338	Trimmer Shaft Bushing, back -----	1
8	16-344	Stop Motion Lever Shaft Bushing, middle -----	1
9	16-343	Cam Shaft Bushing, front -----	1
10	16-324	Jack Shaft Bushing, right -----	1
11	16-325	Cam Shaft Bushing, back -----	1
12	16-323	Jack Shaft Bushing, left -----	1
13	16-333	Main Shaft Bushing, back -----	1
14	125-23	Oil Cup -----	1
15	1219 L	Arm Cover Plate -----	1
16	1221 L	Spring Washer -----	1
17	1220 L	Screw -----	1
18	1195 L	Set Screw, for No. 16-333 -----	1
19	41-55	Thread Guide Pin -----	1
20	1160 L	Nut -----	1
21	61-76	Oil Tube -----	1
22	CS320-1/2	Set Screw, for No. 1196 L -----	1
23	1196 L	Main Shaft Bushing, front -----	1
24	32-266	Head Cover -----	1
25	147-10	Thread Guide -----	1
26	1311 L	Nut -----	1
27	21-381	Thread Snubber Spring -----	1
28	70-77	Thread Snubber Sleeve -----	1
29	17-176	Thread Snubber Stud -----	1
30	LS395	Screw, for No. 4-134 -----	1
31	32-275	Cylinder Base End Cover -----	1
32	CS313	Screw -----	1
33	667 B-20	Dowel Pin -----	2
34	17-167	Cylinder Base Supporting Stud -----	1
35	18-1030	Sub-Base Locking Latch Adjusting Screw -----	1
36	40-139	Washer -----	1
37	51-26	Sub-Base Locking Latch -----	1
38	22-C214-2	Sub-Base Locking Latch Pin -----	1
39	4-134	Work Support Plate -----	1
40	854 L	Screw -----	1
41	16-345	Stop Motion Lever Shaft Bushing, front -----	1
42	22-148	Locating Dowel Pin -----	2
43	16-354	Plunger and Jack Shaft Bushing -----	3
44	16-379	Plunger Shaft Bushing -----	1
45	22845 D	Stop Pin -----	1
46	50-263 L	Cylinder Base Hinge Bracket -----	1
47	18-998	Screw -----	1
48	18-1045	Screw -----	2
49	3-91	Sub-Base -----	4
*50	18-959	Hinge Bracket Pivot Screw -----	1
*50A	14-508	Hinge Bracket Pivot Shaft -----	2
51	18-998	Screw -----	1
52	50-262	Sub-Base Hinge Bracket -----	2
53	21261 M-440	"V" Belt, 44 inch (1117.6 mm) outside circumference -----	1
54	21697 AF-32	Motor Hanger Adjusting Stud -----	1
55	21697 AE	Motor Hanger -----	1
56	651-20	Nut -----	1
57	652 A-20	Lock Washer -----	4
58	22642 K-32	Screw -----	4
59	22642 K-48	Screw -----	2
60	652-20	Washer -----	4
61	651-20	Nut -----	8
62	408-150	Belt Guard Assembly -----	6
63	1220 L	Shoulder Screw -----	1
64	12957 E	Spring Washer -----	1
65	8-150	Belt Guard -----	1
66	50-319	Belt Guard Bracket -----	1
67	28602 AS-18	Electro Drive Pulley, 2 1/4 inches (57.1 mm) working diameter -----	1
	28602 AS-22	Electro Drive Pulley, 2 3/4 inches (69.8 mm) working diameter -----	1
68	660-615	Split Steel Bushing -----	1
69	28741 H	Electric Motor, 1 phase, 60 Hz., 110 volts -----	1
	28742 AG	Electric Motor, 3 phase, 50/60 Hz., 208/220/380/440 volts -----	1
70	108-9	Key -----	1

*On new machines two No. 18-959 will be replaced by one No. 14-508.

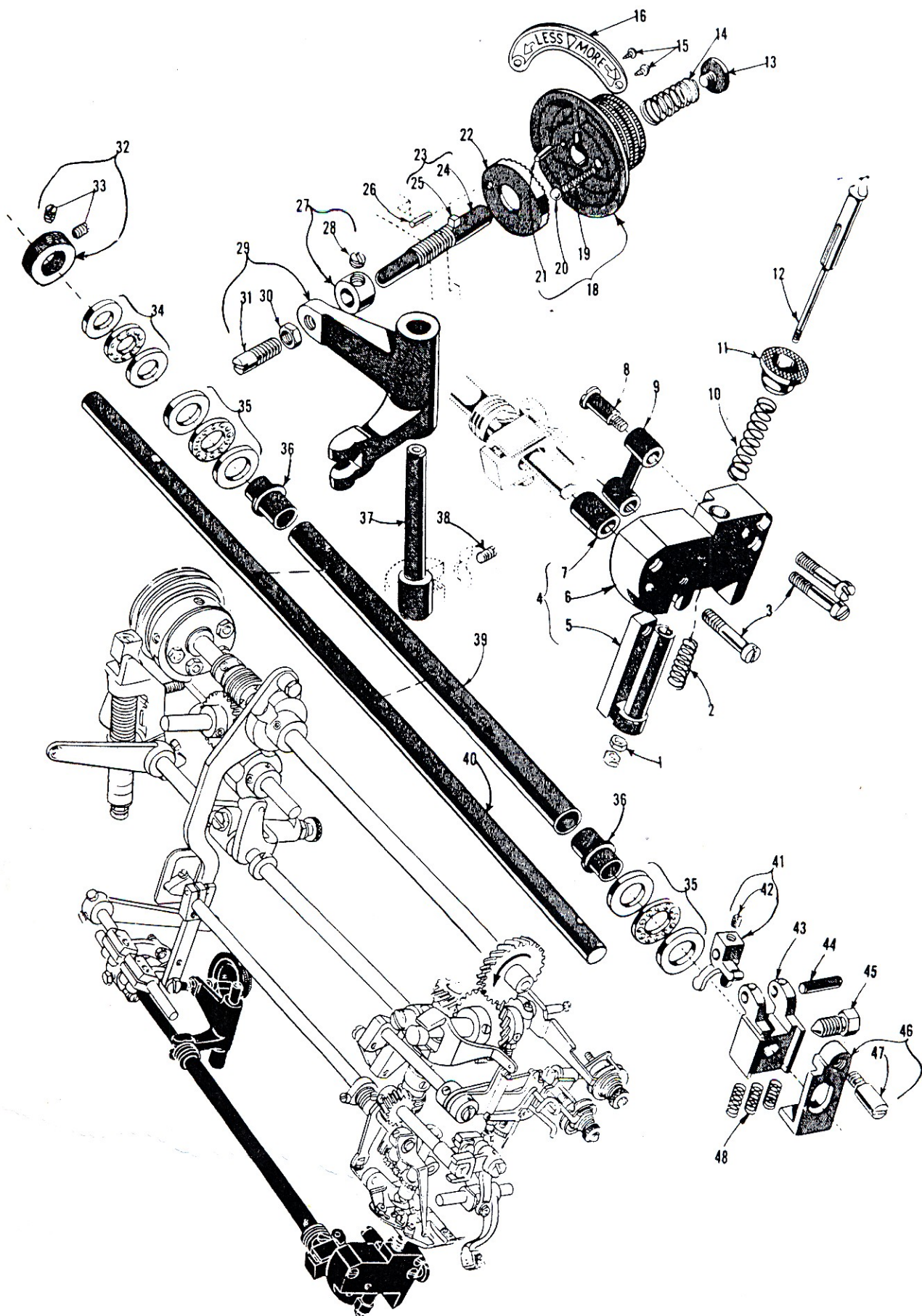
NOTE: Ref. Nos. 53 thru 70 are optional accessories.



NEEDLE AND LOOPER DRIVING MECHANISM

Ref. No.	Part No.	Description	Amt. Req.
1	36-19	Looper-----	
2	27-186	Looper Driving Gear -----	1
3	18-949	Screw-----	1
4	18-619	Screw-----	1
5	27-187	Idler Gear -----	2
6	14-447	Looper Timing Shaft-----	2
7	27-188	Looper Timing Shaft Driving Gear -----	1
8	1025 L	Set Screw -----	1
9	1027 L	Collar -----	2
10	1029-L	Set Screw -----	2
11	1762 L	Needle Carrier Vibrating Worm Gear -----	2
12	1025 L	Set Screw -----	1
13	39-95	Collar -----	2
14	1022 L	Set Screw -----	1
15	445-366	Thread Take-up Lever, complete -----	1
16	18-994	Screw-----	1
17	14-448	Head Main Shaft-----	1
18	40-17	Washer -----	1
19	1804 L	Main Shaft Drive and Driven Gears-----	1
20	1005 L	Set Screw -----	2
21	1203 L	Spot Screw -----	1
*21A	1005 L	Set Screw -----	1
22	48-154	Head Main Shaft Crank-----	1
23	18-624	Set Screw -----	1
24	51242 M	Washer -----	2
25	447-128	Needle Carrier Connecting Rod, complete -----	1
26	4124-57	Ball Joint, upper, complete -----	1
27	18-391	Screw-----	1
28	1012 L	Nut -----	2
29	71-95	Rod-----	1
30	869 L	Nut -----	1
31	447-23	Ball Joint, lower, complete -----	1
32	18-391	Screw-----	1
33	35-26	Eccentric Sleeve Roll-----	2
34	70-61	Eccentric Sleeve -----	1
35	CS327	Screw-----	1
36	40-57	Washer -----	1
37	1012 L	Nut -----	1
38	17-175	Needle Carrier Eccentric Stud-----	1
39	16-382	Slip Bushing -----	1
40	118-34	Needle Carrier, complete -----	1
41	1432 AL	Needle Clamp, complete -----	1
42	1420 L	Pin -----	1
43	41-28	Thread Guide Plate-----	1
44	1016 L	Thread Guide -----	1
45	1036 L	Screw-----	1
46	1014 L	Screw-----	1
47	1763 L	Needle Carrier Vibrating Gear -----	1
48	1025 L	Set Screw -----	1
49	1718 L	Needle Carrier Crank Shaft, marked "B" -----	2
50	1717 L	Needle Carrier Crank Adjusting Lug -----	1
51	1719 L	Rectangular Washer -----	1
52	18-1094	Screw-----	1
53	46-146	Needle Carrier Vibrating Crank -----	1
54	782 L	Screw-----	1
55	1311 L	Nut -----	1
56	17-137	Needle Carrier Vibrating Crank Slide Block Stud -----	1
57	69-18	Needle Carrier Vibrating Crank Slide Block -----	1

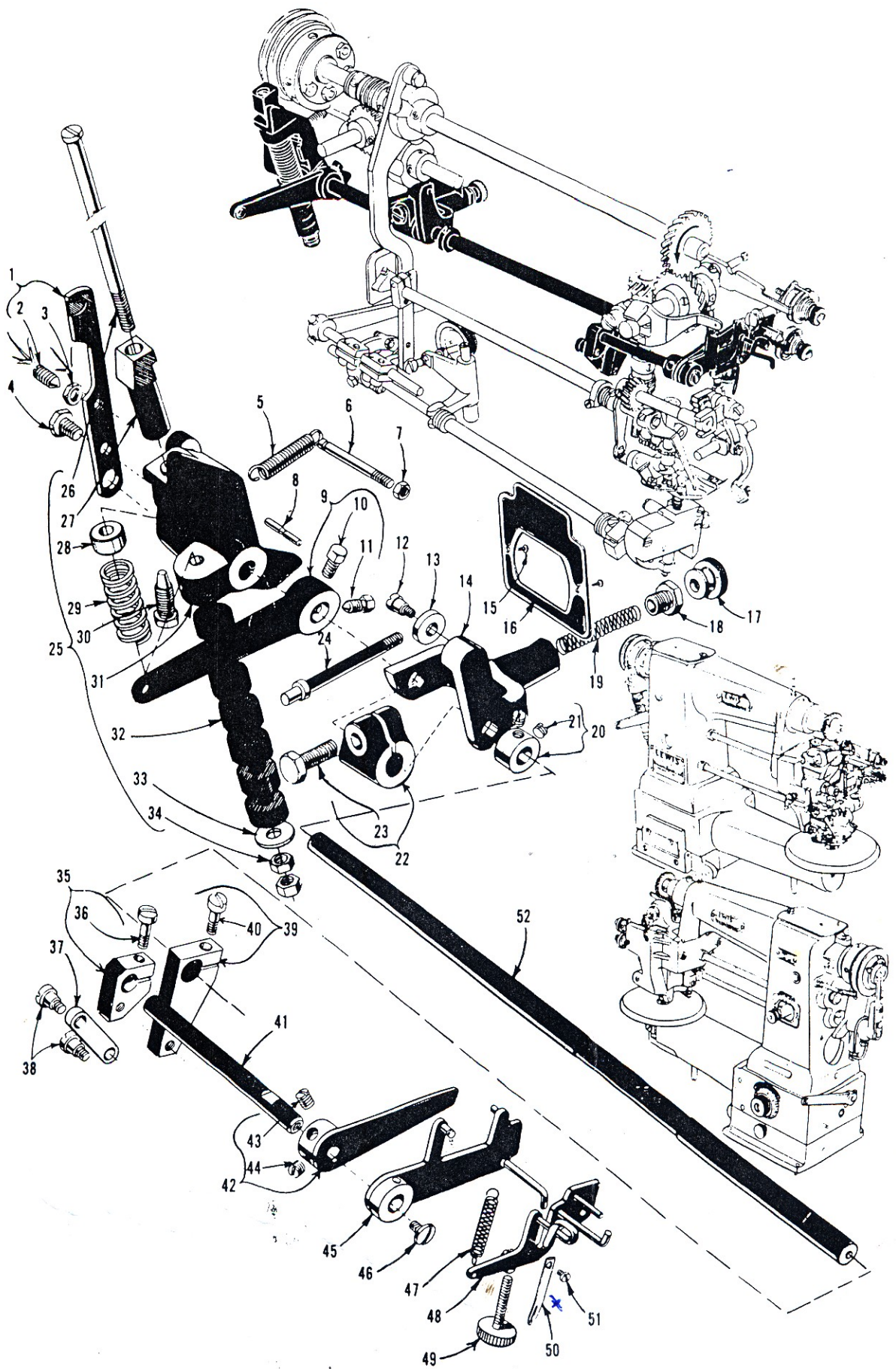
* One No. 1203 L Spot Screw will be replaced by one No. 1005 L on Head Main Shaft Driven Gear.



PLUNGER AND PLUNGER REGULATING MECHANISM

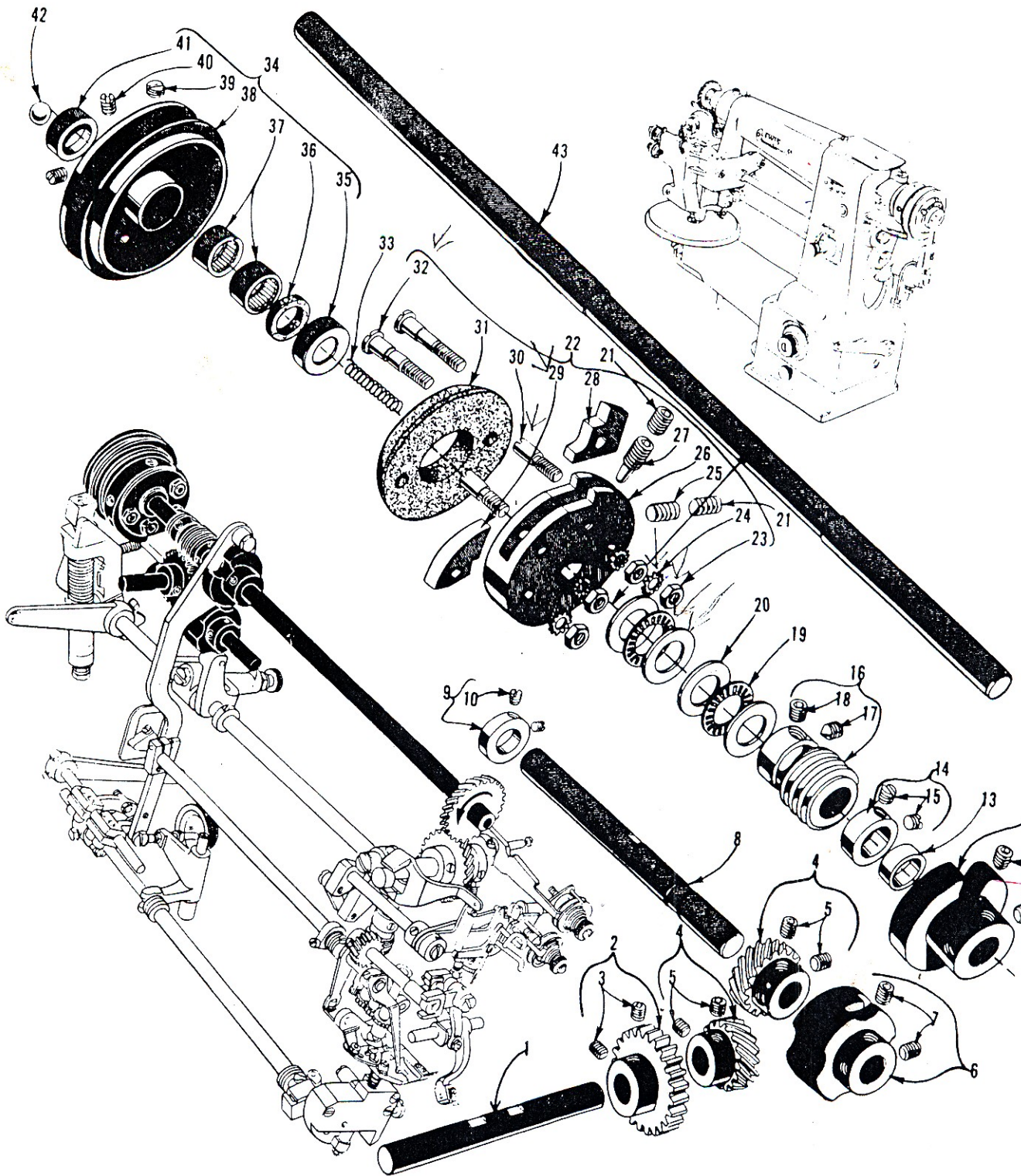
<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Amt. Req.</u>
1	1311 L	Nut-----	2
2	21-383	Plunger Spring -----	1
3	1279 L	Screw -----	3
4	4115-134-2	Plunger Bearing Block, complete-----	1
5	4121-5	Plunger Frame and Barrel Assembly -----	1
6	115-122	Plunger Bearing Block -----	1
7	16-352	Bushing-----	1
8	1306 L	Screw -----	1
9	1304 L	Plunger Frame Link -----	1
10	21-402	Cloth Clamp Spring -----	1
11	30-65	Cloth Clamp-----	1
12		Plunger, See Page No. 29 -----	1
13	18-1028	Screw -----	1
14	21-404	Spring -----	1
15	18-768	Drive Screw-----	2
16	110-323	Regulating Plate -----	1
18	4149-30	Plunger Regulating Knob Assembly -----	1
19	21-237	Spring -----	1
20	79-31	Ball -----	1
21	22-C214-4	Stop Pin -----	1
22	44-301	Disc Notch Plate-----	1
23	418-1026	Plunger Regulating Screw, complete-----	1
24	18-1026	Regulating Screw -----	1
25	22-296	Pin-----	1
26	22-C214-4	Stop Pin -----	1
27	1173 L	Collar -----	1
28	1137 L	Set Screw -----	1
29	48-166	Plunger Regulating Bell Crank, large -----	1
30	20-34	Nut-----	1
31	1192 L	Set Screw -----	1
32	1027 L	Collar -----	1
33	1029 L	Set Screw -----	2
*34	478-11	Ball Bearing, complete-----	1
35	478-23	Ball Bearing, complete-----	2
36	16-366	Plunger Regulating Crank Shaft Bushing -----	2
37	14-472	Plunger Regulating Crank Shaft-----	1
38	1005 L	Set Screw -----	1
39	61-82	Plunger Regulating Crank Shaft Tube-----	1
40	14-446	Plunger Shaft-----	1
41	48-165	Plunger Regulating Bell Crank, small-----	1
42	18-416	Set Screw -----	1
43	115-139	Plunger Regulating Block -----	1
44	22-297	Small Bell Crank Pin-----	1
45	1298 L	Set Screw -----	1
46	48-168	Plunger Crank-----	1
47	18-1027	Screw -----	1
48	21-403	Plunger Crank Spring -----	3

* Not used on new machines.



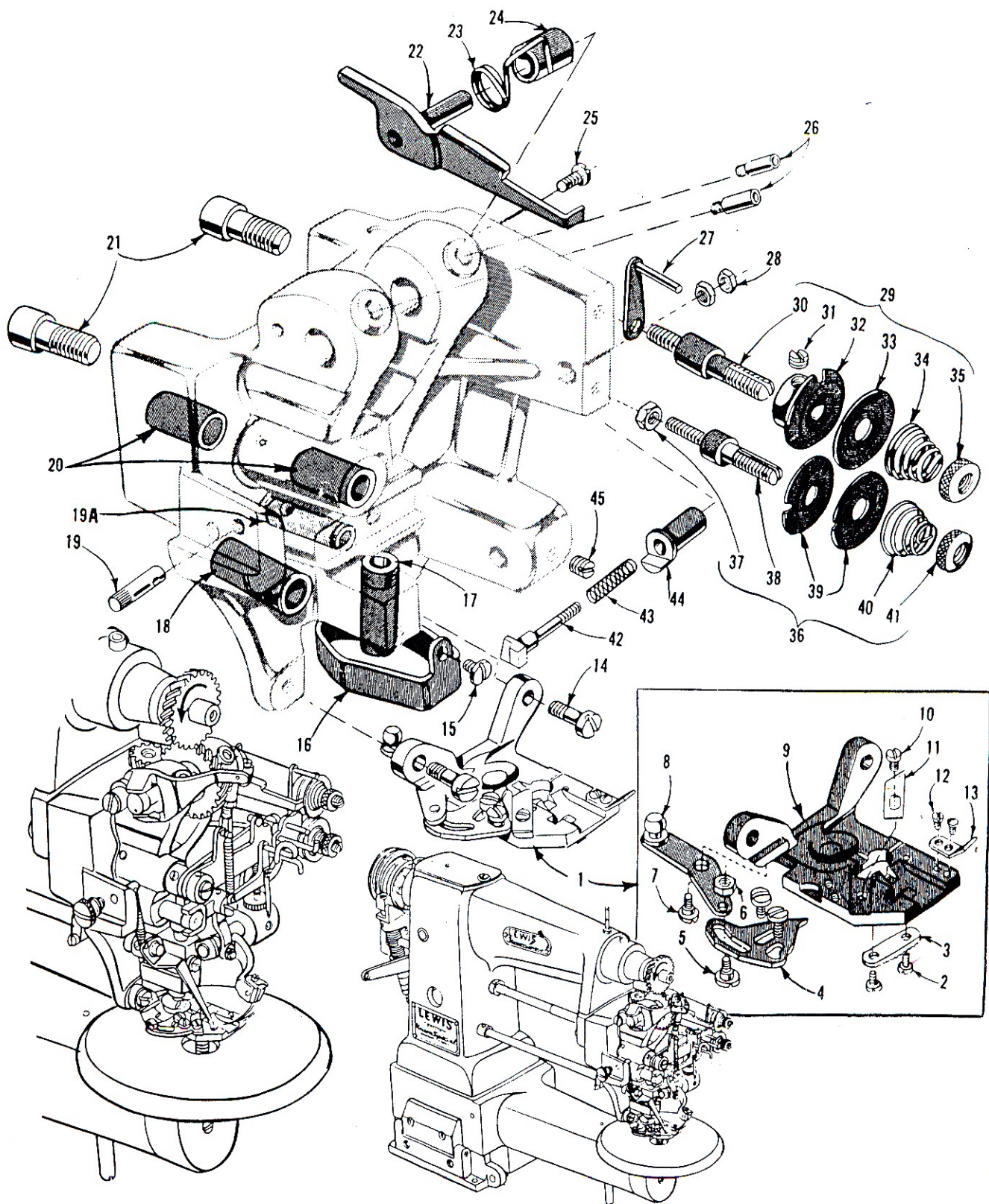
STOP MOTION, STITCH REGULATING AND THREAD PULL-OFF PARTS

Ref. No.	Part No.	Description	Amt. Req.
1	45-302	Lever for applying pressure on Pulley Clutch Disc -----	1
2	18-747	Spot Screw -----	1
3	20-34	Nut -----	1
4	18-280	Screw -----	1
5	21-360	Stop Motion Lever Restoring Spring -----	1
6	22-276	Stop Motion Lever Restoring Spring Pin -----	1
7	1009 L	Nut -----	1
8	22-266	Stop Motion Lever Restoring Spring Pin -----	1
9	45-362	Foot Pedal Chain Lever -----	1
10	18-120	Screw -----	1
11	1298 L	Screw -----	1
12	18-1105	Screw -----	1
13	35-28	Stitch Adjusting Lever Roll -----	1
14	45-360	Stitch Adjusting Lever -----	1
15	18-768	Drive Screw -----	1
16	97-18	Stitch Indicator Plate -----	2
17	1316 L	Stitch Selector Plunger Adjusting Nut -----	1
18	20-124	Stitch Selector Plunger Spring Retaining Nut -----	1
19	21-347	Stitch Selector Plunger Spring -----	1
20	439-7	Collar -----	1
21	SB15	Set Screw -----	1
22	115-135	Stitch Selecting Cam Block -----	2
23	18-978	Clamp Screw -----	1
24	426-166	Stitch Selector Plunger, complete -----	1
25	445-348-4	Stop Motion Lever, complete -----	1
26	71-92	Stop Motion Plunger Rod -----	1
27	26-163 A	Stop Motion Plunger -----	1
28	157-13	Stop Motion Spacer Collar -----	1
29	21-457	Stop Motion Spring -----	1
30	18-819	Screw -----	1
31	45-348	Stop Motion Plunger Lever -----	1
32	40-198	Washer -----	1
33	652-16	Washer -----	6
34	20-128	Nut -----	1
35	48-161	Thread Pull-off Crank, short -----	2
36	1073 L	Screw -----	1
37	46-167	Link for Thread Pull-off Crank -----	1
38	18-688	Screw -----	1
39	48-162	Thread Pull-off Crank, long -----	2
40	1073 L	Screw -----	1
41	14-466	Thread Pull-off Lever Shaft -----	1
42	445-397	Thread Pull-off Plunger Operating Lever, complete -----	1
43	1005 L	Set Screw -----	1
44	1025 L	Set Screw -----	1
45	445-398	Thread Pull-off Lever, complete -----	1
46	1329 L-1/2	Screw -----	1
47	21-390	Thread Pull-off Lever Spring -----	1
48	499-325	Thread Pull-off Pin Holder, complete -----	1
49	18-1005	Thread Pull-off Adjusting Screw -----	1
50	21-389	Thread Pull-off Adjusting Screw Retaining Spring -----	1
51	1075 L	Screw -----	1
52	14-467	Stop Motion Lever Shaft -----	1



MAIN SHAFT, HANDWHEEL AND STOP MOTION DRIVE

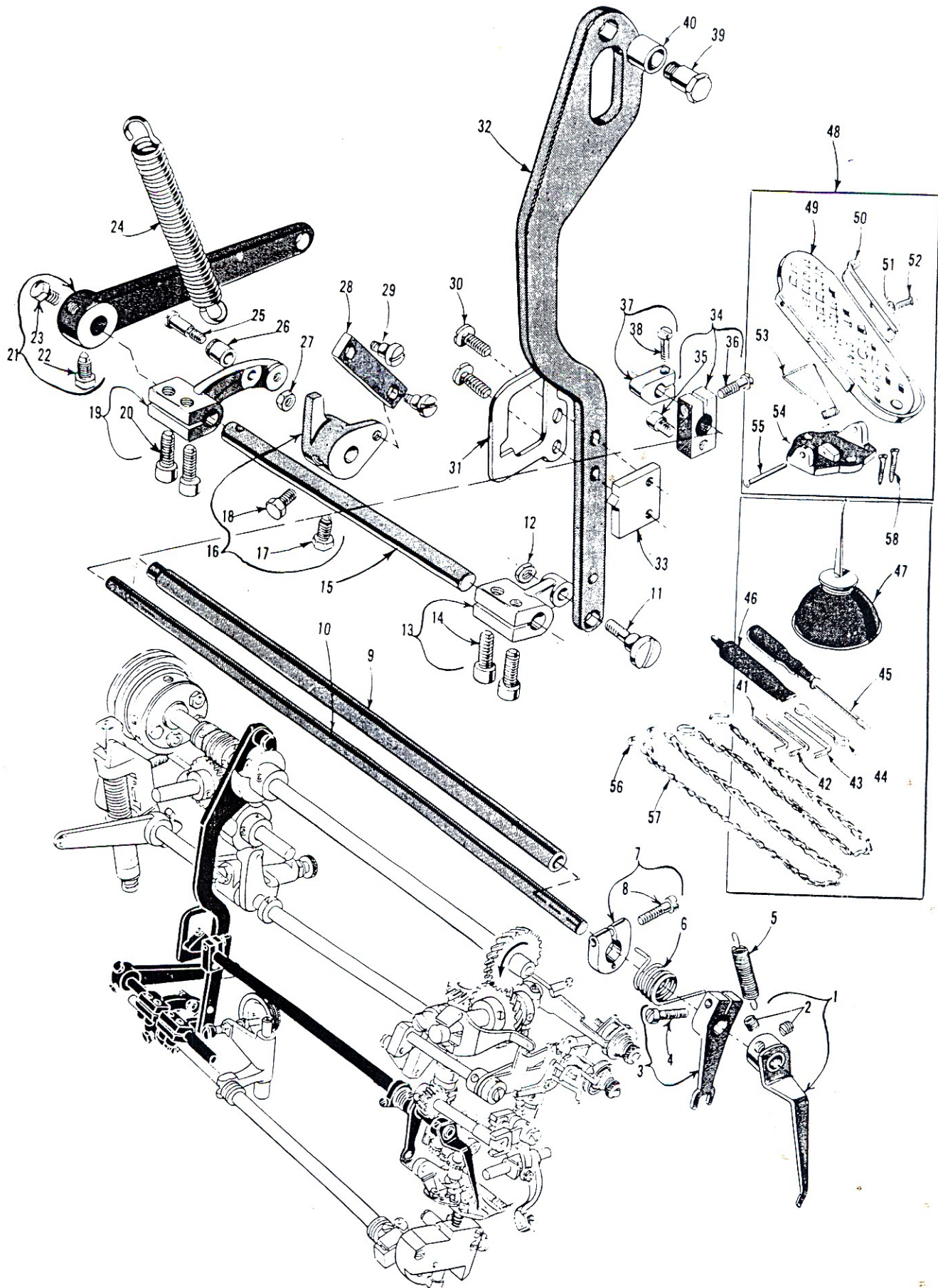
<u>Ref.</u> <u>No.</u>	<u>Part</u> <u>No.</u>	<u>Description</u>	<u>Amt.</u> <u>Req.</u>
1	14-444	Jackshaft -----	
2	27-185	Jackshaft Worm Gear -----	1
3	18-730	Set Screw -----	1
4	27-168	Spiral Gear -----	2
5	18-996	Set Screw -----	2
6	34-67	Stitch Tacking Cam -----	2
7	18-730	Set Screw -----	1
8	14-465	Camshaft -----	2
9	439-7	Collar -----	1
10	SB15	Set Screw -----	1
11	34-59	Plunger Raising Cam -----	2
12	18-730	Set Screw -----	1
13	35-30	Roll for Plunger Lifting Connecting Rod -----	2
14	39-92	Collar -----	1
15	1025 L	Set Screw -----	1
16	27-184	Main Shaft Worm Gear -----	2
17	18-976	Spot Screw -----	1
18	18-730	Set Screw -----	1
19	478-27	Needle Bearing -----	1
20	40-135	Washer -----	2
21	18-967	Set Screw -----	2
22	444-334	Stop Motion, complete -----	2
23	20-127	Nut -----	1
24	652 N-14	Washer -----	4
25	18-967	Set Screw -----	4
26	44-334	Stop Motion Disc -----	1
27	18-958	Stop Screw -----	1
28	166-7	Stop Motion Disc Pawl -----	1
29	51-20	Stop Motion Disc Latch -----	1
30	18-959	Screw -----	1
31	44-288	Pulley Clutch Disc -----	2
32	18-982	Screw -----	1
33	21-229	Spring -----	2
34	458-39	Pulley Assembly, complete -----	1
35	40-169	Retainer Washer -----	1
36	63-32	Grease Retainer -----	1
37	478-10	Needle Bearing -----	1
38	59-39	Pulley -----	2
39	18-800	Set Screw -----	1
40	1005 L	Set Screw -----	1
41	190-2 L	Pulley Insert -----	2
42	79-37	Ball -----	1
43	14-442	Main Shaft -----	1



HEAD, PRESSER FOOT AND TENSION PARTS

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Amt. Req.</u>
* 1	405-555	Presser Foot, complete, See Page No. 29 for other presser feet-----	1
2	18-983	Screw-----	2
3	6-65	Needle Guide-----	1
4	119-85	Thread Breaking Finger-----	1
5	18-1007	Screw-----	3
6	20-13	Nut-----	1
7	18-980	Screw-----	1
8	445-399	Thread Cutting Finger Operating Lever-----	1
9	5-555	Presser Foot, main section-----	1
10	1351 L	Screw-----	1
11	119-76	Thread Cutting Knife-----	1
12	18-621	Screw-----	2
13	8-130	Needle Guard-----	1
14	1073 L	Screw-----	2
15	CS337	Screw-----	1
16	32-233	Looper Gear Cover-----	1
17	16-328	Looper Driving Shaft Bushing-----	1
18	16-337	Trimmer Shaft Bushing, front-----	1
19	22-274	Thread Wiper Finger Spring Pin-----	1
19A	LS201	Needle Carrier Crankshaft Bushing-----	1
20	16-346	Thread Pull-off Lever Shaft Bushing-----	2
21	18-1045	Screw-----	2
22	445-367	Thread Tension Releasing Lever, complete-----	1
23	21-349	Tension Release Lever Spring-----	1
24	16-264	Thread Tension Releasing Lever Bushing-----	1
25	810 L	Screw-----	1
26	125-23	Oil Cup-----	2
27	4137-127	Nipper Retainer, complete-----	1
28	20-13	Nut-----	2
29	468-25	Thread Nipper Staff, complete-----	1
30	68-27	Tension Staff-----	1
31	1029 L	Set Screw-----	1
32	444-282	Tension Disc, complete-----	1
33	1183 L	Tension Disc-----	1
34	1132 SL	Tension Spring-----	1
35	20-60	Adjusting Nut-----	1
36	468-26	Thread Tension Staff, complete-----	1
37	1160 L	Nut-----	1
38	68-28	Tension Staff-----	1
39	1183 L	Tension Disc-----	2
40	21-284	Tension Spring-----	1
41	20-60	Adjusting Nut-----	1
42	26-171	Thread Pull-off Lever Retaining Plunger-----	1
43	21-339	Thread Pull-off Lever Retaining Plunger Spring-----	1
44	70-63	Thread Pull-off Lever Retaining Plunger Sleeve-----	1
45	1005 L	Set Screw-----	1

* Furnished with machine unless otherwise specified.



PLUNGER DEPRESSING AND THREAD WIPER FINGER
MECHANISM AND ACCESSORIES

Ref. No.	Part No.	Description	Amt. Req.
1	4122-41	Thread Wiper Finger, complete-----	1
2	1025 L	Set Screw-----	2
3	48-156	Trimmer Lever Operating Crank-----	1
4	18-40	Clamp Screw-----	1
5	21-319	Thread Wiper Finger Spring-----	1
6	21-380	Trimmer Knife Operating Spring-----	1
7	30-64	Trimmer Spring Clamp-----	1
8	18-40	Clamp Screw-----	1
9	14-459	Trimmer Shaft-----	1
10	14-460	Thread Wiper Shaft-----	1
11	18-990	Screw-----	1
12	1012 L	Nut-----	1
13	48-160	Plunger Restoring Crank-----	1
14	18-998	Clamp Screw-----	2
15	14-461	Plunger Lifting Rod Jackshaft-----	1
16	48-146	Plunger Depressing Crank-----	1
17	18-690	Spot Screw-----	1
18	18-493	Screw-----	1
19	48-159	Plunger Depressing Differential Crank-----	1
20	18-998	Clamp Screw-----	2
21	45-364	Plunger Depressing Lever-----	1
22	18-690	Spot Screw-----	1
23	1333 L	Screw-----	1
24	21-206	Plunger Restoring Spring-----	1
25	18-408	Screw-----	1
26	35-24	Plunger Restoring Spring Stud Roll-----	1
27	1160 L	Nut-----	1
28	46-137	Link-----	1
29	18-688	Screw-----	2
30	FP505	Screw-----	2
31	110-375	Thread Wiper Operating Cam Plate-----	1
32	47-127	Plunger Lifting Connecting Rod-----	1
33	34-64	Automatic Thread Trimmer Cam-----	1
34	48-163	Thread Breaking Finger Operating Crank-----	1
35	18-901	Screw-----	1
36	18-375	Clamp Screw-----	1
37	48-172	Thread Wiper Crank-----	1
38	1750 L	Clamp Screw-----	1
39	18-991	Screw-----	1
40	35-29	Plunger Lifting Rod Roll-----	1
41	WR56	Wrench, 1/8 inch hexagon-----	1
42	WR57	Wrench, 5/32 inch hexagon-----	1
43	WR58	Wrench, 3/16 inch hexagon-----	1
44	1405 L	Double End Wrench, 1/4 inch and 5/16 inch opening-----	1
45	21201	Screwdriver, 9/64 inch round blade, overall length 7 11/16 inches-----	1
46	28604 P	Grease Tube-----	1
47	413 D	Oil Can-----	1
† 48	4135-9	Foot Treadle, complete-----	2
49	135-9	Foot Treadle, main section-----	1
50	45-424	Lever-----	1
51	40-181	Washer-----	1
52	18-1033	Screw-----	1
53	21-408	Spring-----	1
54	50-265	Bracket-----	1
55	43-27	Rivet-----	1
56	131-C163-1	"S" Hook-----	4
57	130-10	Foot Treadle Chain-----	2
58	1504 L	Wood Screw (#14 x 3/4 inch)-----	4
*	18-955	Stove Bolt, 1/4 - 20 thread, 3 inches long-----	4
*	652-16	Washer, for stove bolt-----	4

† Not furnished with machine, but will be furnished gratis upon request with machine order.

* For attaching machine to tableboard, not shown on picture plate.