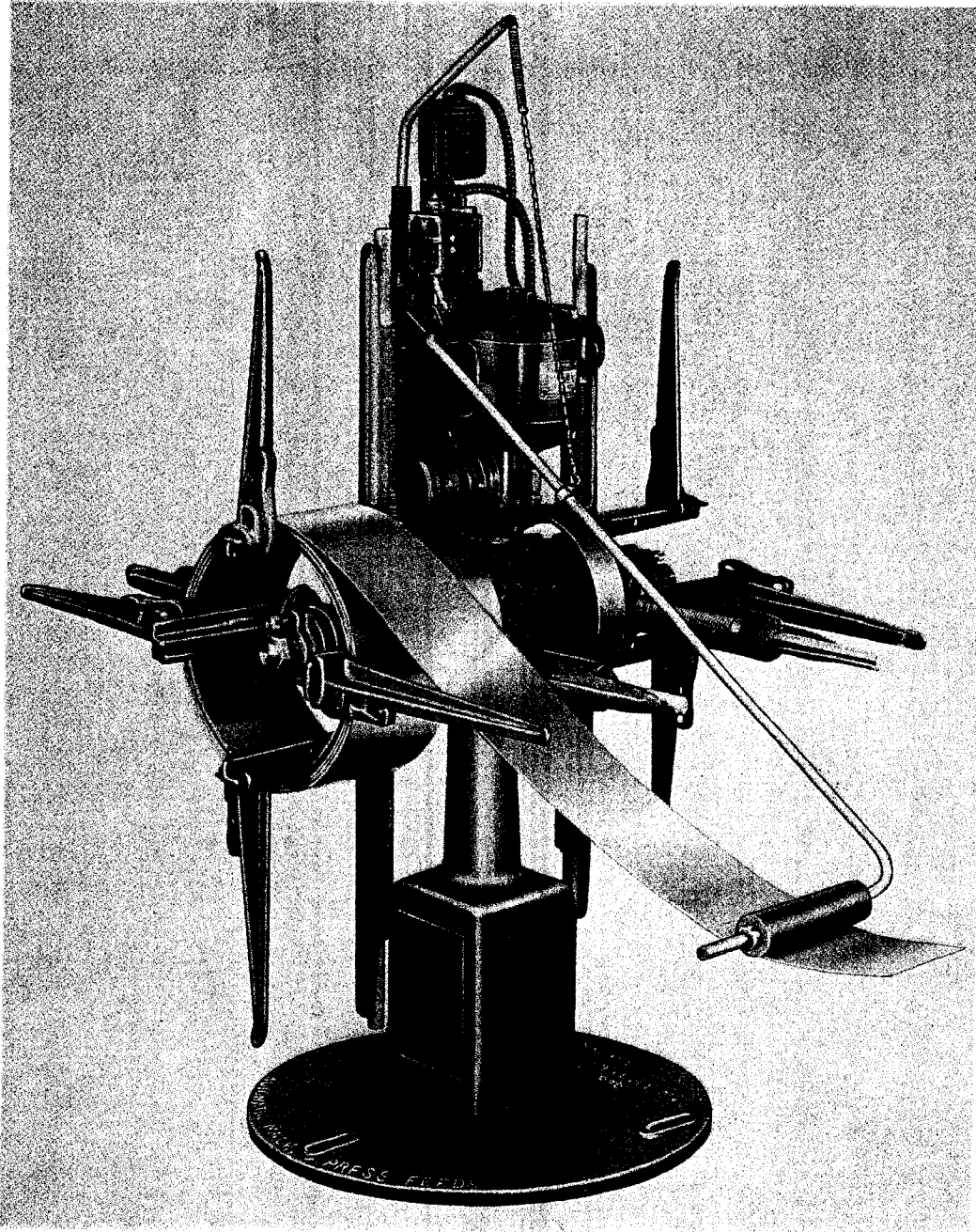


PARTS LIST AND OPERATING INSTRUCTIONS FOR NUMBER 5 DOUBLE MOTOR DRIVEN AUTOMATIC CENTERING REEL



CAPACITIES

MAX. WEIGHT OF COIL	INSIDE DIA.	MAX. OUTSIDE DIA.	MAX. WIDTH
600 lbs. each side	10" - 20"	46"	10"

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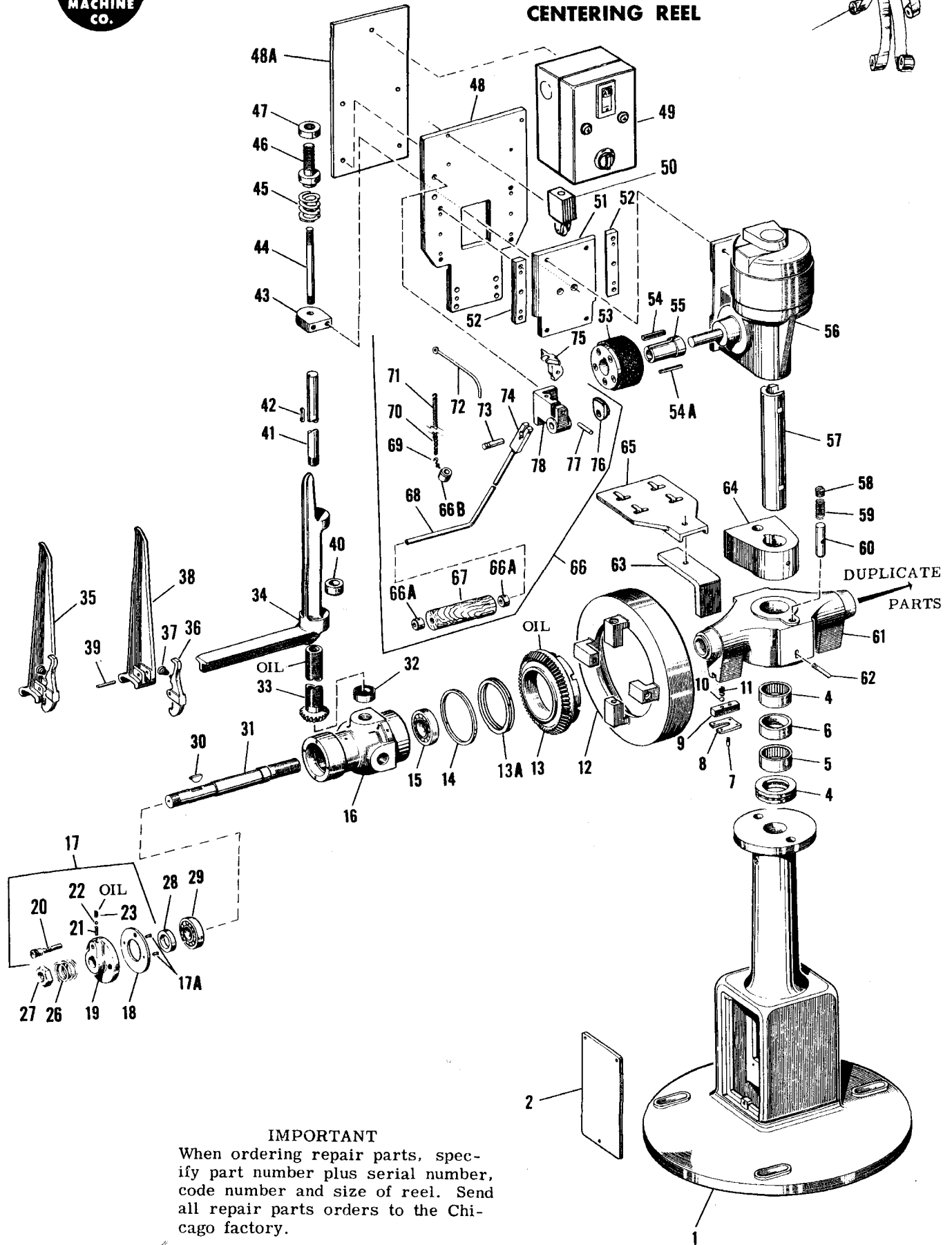
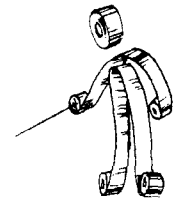
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CHICAGO, ILLINOIS 60613

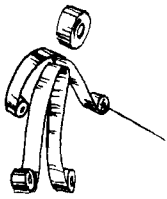
Form No. 693-1-65

Page 1

No. 5 DOUBLE MOTOR DRIVEN AUTOMATIC CENTERING REEL



IMPORTANT
When ordering repair parts, specify part number plus serial number, code number and size of reel. Send all repair parts orders to the Chicago factory.

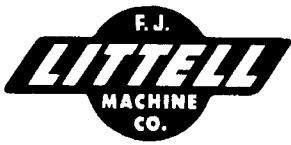


No. 5 DOUBLE MOTOR DRIVEN AUTOMATIC CENTERING REEL

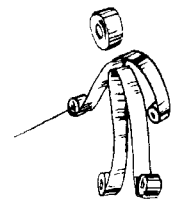


PARTS LIST

INDEX NO.	DESCRIPTION	PART NUMBER	INDEX NO.	DESCRIPTION	PART NUMBER
1	Base	43B 35353	42	Key, Straight Arm . .	43A 35229
2	Plate, Cover	43A 35283	43	Pad, Spring	43A 37472
3	Deleted		44	Stud, Spring	43A 38069
4	Bearing, Thrust (Aetna #E25)	16 90117	45	Spring	43A 35251
5	Bearing, Needle (Orange #7354-CT)	41 90141	46	Screw, Spring Loading .	43A 35249
6	Spacer, Bearing	43A 35272	47	Nut, Lock	43A 35250
7	Pin, Shifter	42A 35131	48	Bracket, Motor Mounting	43B 35309
8	Retainer, Stop	42A 35125	48A	Plate, Starter	43A 51398
9	Bar, Stop	43A 35245	49	Starter, Magnetic, 220 volts (A-B Bull. #709)	92 91611
10	Ball, Detent	1/4" Dia.		Starter, Magnetic, 440 volts (A-B Bull. #709)	92 91613
11	Spring, Detent	13 31778	50	Switch, Limit (National Acme)	93 90568
12	Pulley, Driven	43B 35385	51	Slide, Motor	43A 35310
13	Gear, Bevel	43B 19660	52	Gib	43A 35311
13A	Ring, Retaining (Spirolox #RST-425 Series T)	41 90087	53	Pulley, Fibre	43A 35291
14	Ring, Gear Retainer	43 37626	54	Key	1/2" x 1/2" x 2"
15	Bearing, Ball (N-D #1208)	41 90254	54A	Key, Sleeve	1/4" x 1/4" x 2"
16	Hub, Spindle	43B 15929	55	Sleeve	43A 35312
17	Assembly, Friction Cap Consisting of:	43 35389	56	Motor, 1/4 H. P. (G-E)	91 90653
17A	Rivet, Brake Lining, 5/8" Lg. (Townsend)	#5-10	57	Column, Motor Bracket	43A 35252
18	Washer, Friction	41 35232	58	Plug, Spring Retainer . .	43A 38071
19	Cap, Friction	43A 29066	59	Spring, Swivel Pin	43A 35247
20	Pin, Hub Lock	42A 29064	60	Pin, Swivel	43A 38070
21	Spring, Detent (Gardner)	13 31778	61	Head, Revolving	43B 35358
22	Ball, Steel	1/4" Dia.	62	Pin, Shifter	43A 35234
23	Screw, Set	5/16" N. C.	63	Bracket, Keeper Plate . .	43A 35284
24	Deleted		64	Casting, Motor Bracket	43A 35357
25	Deleted		65	Plate, Keeper	43A 35375
26	Spring, Friction	43A 35225	66	Assembly, Control Arm	41 35390
27	Nut, Friction, Jam	1-1/4" SAE Hex		Consisting of:	
28	Collar, Bearing Retainer	43A 35226	66A	Collar, 9/16" I. D. (Hallowell)	99 90438
29	Bearing, Ball (Schatz #1370DP)	29 90176	66B	Collar	23A 33506
30	Key, Woodruff	#C	67	Roller, Wood	41A 35057
31	Shaft, Spindle	43A 35238	68	Arm, Control	42A 35135
32	Bearing, Thrust (Nice #613)	41 90242	69	Bolt, Eye, and Nut	41A 35066
33	Screw and Pinion	43B 35334	70	Chain	18" Lg.
34	Arm	43B 35350	71	Spring (Gardner #V-23C)	41 90058
35	Assembly, Keeper	43B 35393	72	Rod, Spring	43A 35274
	Consisting of:		73	Pin, Pivot	42A 35142
36	Catch, Keeper	43A 35347	74	End, Control Arm	42A 35134
37	Spring, Keeper	43A 35239	75	Latch, Arm	43A 35382
38	Keeper	43 35348	76	Cam, Switch	42A 35198
39	Pin, Roll (Esna #59- 048-250-1500)	43 91145	77	Pin, Arm Latch	5/16" x 1-1/4" Lg.
40	Collar, Steel, 1-1/8" I. D. (Hallowell)	14 90441	78	Bracket, Control Arm	43A 35381
41	Arm, Straight	43A 35227			



No. 5 DOUBLE MOTOR DRIVEN AUTOMATIC CENTERING REEL



OPERATING INSTRUCTIONS

- A. REMOVE KEEPERS.** Release keeper catch (36) and remove keepers (35) from arms. Place keepers in slots provided in keeper plate (65) while loading coil.
- B. COLLAPSE ARMS.**
- (1) Slide shifter pin (7) forward, on the side of the reel being loaded, so that stop bar (9) engages slot in bevel gear (13) to prevent gear from turning.
 - (2) Rotate spider in a clockwise direction until the arms (34) are contracted at least 1 to 2 inches smaller than the inside diameter of the coil to be loaded.
- C. LOCK SPIDER.**
- (1) Position spider so that one of the arms (34) is in a vertical (12:00 o'clock) position.
 - (2) Push hub lock pin (20) inward to prevent spider from rotating.
- D. LOAD COIL.**
- (1) Insert loading lever, if used, through the coil and attach end of lever to hole provided in bottom portion of the uppermost vertical arm (34).
 - (2) Raise loading lever to bring coil up to proper position. Slide coil onto the arms.
- E. ATTACH KEEPERS.** Snap keepers (35) into position on the arms so that the coil is tight against the back portion of the arms.
- F. EXPAND ARMS.**
- (1) Release hub lock pin (20) by pulling outward.
 - (2) Rotate spider in a counter-clockwise direction until the coil is held firmly by all four of the arms.
 - (3) Slide shifter pin (7) rearward to disengage stop bar (9) from bevel gear (13).
- G. PLACE COIL IN PAY-OFF POSITION.**
- (1) Move shifter pin (62) upward to disengage swivel pin (60) from hole in top of base (1).
 - (2) Pivot the spider heads on the base until the full coil is moved into the pay-off position. The swivel pin will automatically lock at a position of 180°.
- H. ADJUST SPIDER TENSION.** The friction cap (19) can be adjusted to maintain desired tension on the spider by loosening or tightening friction nut (27).
- I. ELECTRICAL OPERATION.**
- (1) Automatic Operation. Place the selector switch, located on the magnetic starter (49), in the "Automatic" position. Stock will be paid-off only when the arm loop control is raised to a position where the motor starts. When there is an excess of stock or the loop control is in the down position the motor will not operate or pay-off stock.
 - (2) Hand Operation. Place the selector switch, located on the magnetic starter (49), in the "Hand" position. The motor will operate continuously and pay-off stock until the switch is returned to the "Off" position.
- J. MOTOR PULLEY ADJUSTMENT.** The position of the electric motor (56) can be changed to obtain the proper tension and slippage between fibre pulley (53) and driven pulley (12). This is accomplished by raising or lowering the motor by means of spring loading screw (46) and lock nut (47) until the desired result is obtained.

MAINTENANCE INSTRUCTIONS

All Littell Reels are of very rigid construction and, if the capacities are not exceeded, will give years of trouble-free service. Proper lubrication is the only maintenance required. Oil must be applied at the points shown on the exploded view drawing. The proper oil level must be maintained in the electric motor gear head box (56).

F. J. LITTELL MACHINE CO.

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