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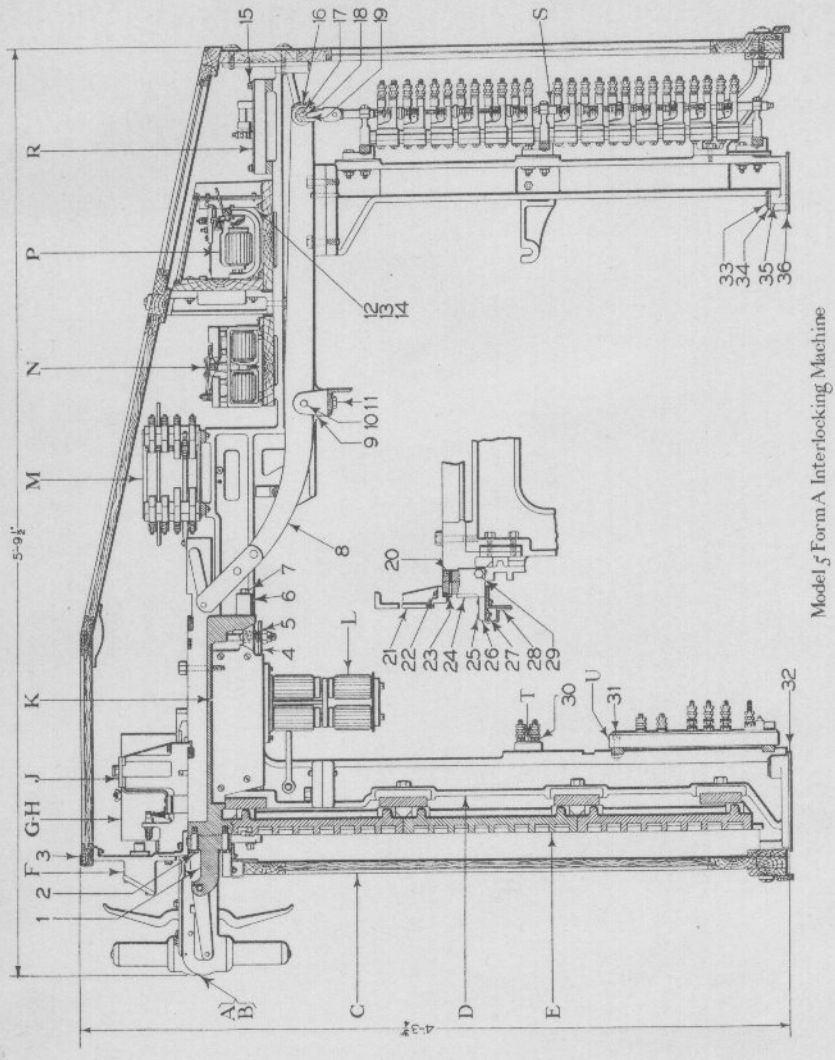

Model 5 Form A Interlocking Machine

Model 5 Form A Electric Interlocking Machine

NOTE: When ordering interlocking machines, a signaled and numbered track plan should be furnished, drawn to a scale of not more than one hundred feet to the inch. This plan must show the location of the tower and the relation of the front of the machine to the track (the front is that part of the machine occupied by a man when operating the levers). It should also indicate clearly the functions of each lever and route or routes to be governed by each signal. The order should also state the number of levers and spare spaces.

Electric locks, time locks, time contactors, push buttons and similar equipment are classed as auxiliary appliances and should be specified when required.

For sizes and dimensions of machine see Page 6.

Drawing references are shown for convenience in checking shipping lists and invoices.

Fig. No.	Name	Drawing Reference
	Order by plate, figure number and name	
A	Lever Complete, for single switch or derail. Includes all apparatus necessary for adding lever in machine. See Plate G0313 for lever and details. **Order must specify the following:** (1) Name and location of interlocking plant. (2) Upturned or downturned lever. (3) Lever number. (4) Model and operating voltage of switch machine. (5) If lever is to be notched for electric lock, specify position it is desired to lock lever, i.e., normal, reverse, etc. See Plate G1115 for lever notching. (6) Number of tiers of locking. (7) Number of contacts on rotary circuit controller.	
A1	as above, except with stub lever shown on Plate G0313, Fig. E, for double lever space. **Order must specify information required in Fig. A.**	
B	Lever Complete, for signal. Includes all apparatus necessary for adding lever in machine. See Plate G0313 for lever and details. **Order must specify the following:** (1) Name and location of interlocking plant.	

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Fig. No.	Name	Drawing Reference
B Cont.	**Order by plate, figure number and name**	
	(2) Upturned or downturned lever.	
	(3) Lever number.	
	(4) Type of signal which lever will control.	
	(5) Dynamic or battery indication. If battery indication give voltage, if A. C., give voltage and frequency.	
	(6) If lever to be notched for time lock or time contactor.	
	(7) Number of tiers of locking.	
	(8) Number of contacts on rotary circuit controller.	
C	Cabinet Complete, includes screws for fastening to frame. See Plate G0209 for details and order references.	
D	Frame Complete. See Plate G0209 for details and order references.	
E	Locking Bed. See Plate G0809 for details and order references.	
F	Lamp Case Complete, includes screws for mounting. See Plate G0703 for details and order references.	
G	Time Contactor Complete, includes screws for mounting. See Plate G1119 for details and order references.	
H	Time Lock Complete, includes screws for mounting. See Plate G1117 for details and order references.	
J	Electric Lock Complete, includes screws for mounting. See Plate G1112 Fig. B for details and order references.	
K	Indication Latch Complete. See Plate G0511 for details and order references.	
L	Indication Magnet Complete. See Plate G0502 for details and order references.	
M	Controller Complete, includes screws for mounting. See Plate G0409 for details and order references.	
N	Indication Selector Complete, includes screws for mounting. See Plate G0509 for details and order references.	

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Fig. No.	Name	Drawing Reference
	Order by plate, figure number and name	
P	Polarized Relay Complete, includes screws for mounting. See plate G0505 for details and order references, and Plate G0608 for mounting board.	
R	Fuse Board Complete. See Plate G0612 for details and order references.	
S	Contactor Complete, slide type, includes bearings and screws for mounting. See Plate G0413 for details and order references.	
T	Terminal Board, as shown. See Plate G0610 for details and order references.	
U	Terminal Board, as shown. See Plate G0610 for details and order references.	
1	Cap, intermediate, guide for use between levers.	53979 Gr. 1
1a	as above, except for use at right hand end of machine	53979 Gr. 2
1b	same as Fig. 1, except for use at left hand end of machine	53979 Gr. 3
2	Screw, 3/8″–24 x 2 1/16″ hex. hd., for fastening cap Fig. 1 to frame. Includes washer	53349–1 42175
3	Moulding, for top of cabinet, for use with 16 lever section	53385–2
3a	as above, except for use with 12 lever section	53385–3
4	Wedge Complete, for fastening indication latch to frame, includes spring and plate	53416–1 Gr. 1
5	Nut, 1/2″–20 x 3/4″ hex., for screw on wedge	51019–2
6	Wire Guide, for use with 16 lever section	53403
6a	as above, except for use with 12 lever section	53403–1
7	Screw, No. 14–24 x 2 1/8″ hex. hd., for mounting wire guide, includes washer	12527–7 1225–2
8	Lever Complete, for operating contactor from levers, Figs. A and B	53312 Gr. 1
9	Bearing, for lever Fig. 8	46575
10	Pin, hinge for lever Fig. 8. Includes cotter pins	46542 0184–1

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Drawing references are shown for convenience in checking shipping lists and invoices.

Fig. No.	Name	Drawing Reference
	Order by plate, figure number and name	
11	Screw, 5/16"–18 x 3/4" hex. hd., for fastening lever bearing Fig. 9 to frame. Includes washer	0441 0623 53316 Gr. 9 1584
12	Case complete, for housing relays in 16 lever intermediate section. Includes screws, nuts and washers for mounting	1102 0651–1 1225–2 53316 Gr. 12 1584
12a	as above, except for 12 lever intermediate section	1102 0651–1 1225–2 53316 Gr. 11
13	Case Complete, for housing relays in 16 lever right hand end section. Includes screws, nuts and washers for mounting	1584 1102 0651–1 1225–2 53316 Gr. 14 1584
13a	as above, except for 12 lever right hand end section	1102 0651–1 1225–2 53316 Gr. 10
14	Case Complete, for housing relays in 16 lever left hand end section. Includes screws, nuts and washers for mounting	1584 1102 0651–1 1225–2

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Drawing references are shown for convenience in checking shipping lists and invoices.

Fig. No.	Name	Drawing Reference
	Order by plate, figure number and name	
		53316 Gr. 13
		1584
14a	as above, except for 12 lever left hand end section	1102
		0651–1
		1225–2
15	Screw, No. 14–24 x 1¾″ fil. hd., includes nut and washer, for mounting fuse board Fig. R	12651–9
		42839–1
		1225–2
16	Washer, fibre, for use between lever Fig. 8 and jaw on upper end of controller	8134
17	Pin, for fastening jaw on upper end of controller to lever Fig. 8. Includes cotters	46543
		036–1
18	Bushing, brass, for lever Fig. 8	46550
19	Bushing, fibre, for lever Fig. 8	46549
20	Block, right hand, for use with bracket Fig. 21, on right hand end of machine	53336–3
20a	as above, except left hand, for use on left hand end of machine	53336–4
21	Bracket, one required for each lever space when lamp cases or levers are not used	53382
22	Screw, No. 10–32 x 15/16″ fil. hd., for mounting bracket Fig. 21, time contactor Fig. G and time lock Fig. H. Includes washer	53379
		0622
23	Screw, No. 14–24 x 1½″ fil. hd., for fastening block Fig. 20 to bracket Fig. 26, includes washer	0504–9
		0510–1
24	Plate, right hand, for use on right hand end of machine	53353–3
24a	as above, except left hand, for use on left hand end of machine	53353–4
25	Screw, No. 10–32 x ⅞″ rd. hd., with washer, for fastening moulding to bracket Fig. 26	33862
		34494–1
26	Bracket, for supporting moulding	53383
27	Nut, No. 10–32 x ⅜″ hex., for screw Fig. 25	38239

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Fig. No.	Name	Drawing Reference
	Order by plate, figure number and name	
28	Moulding, for front of cabinet for use with 16 lever section	53385
28a	as above, except for use with 12 lever section	53385–1
29	Screw, No. 14–24 x 1⅝″ hex. hd., with washer, for fastening plate Fig. 24 to frame	12527–6 0510–1
30	Screw, No. 14–24 x 1¼″ fil. hd., for mounting terminal board Fig. T. Includes washer	0651–1 1225–2 0504–9
31	Screw, No. 14–24 x 1½″ fil. hd., for mounting terminal board Fig. U. Includes nut and washers	50637 0510–1 1225–2
32	Insulation, for use between front leg and floor	2539–22
33	Washer, for use on front and rear legs when mounting to floor	17492–1
34	Washer, fibre, insulation for mounting bolts	493–6
35	Bushing, fibre, insulation for mounting bolts	7350–38
36	Insulation, for use between rear leg and floor	2539–23