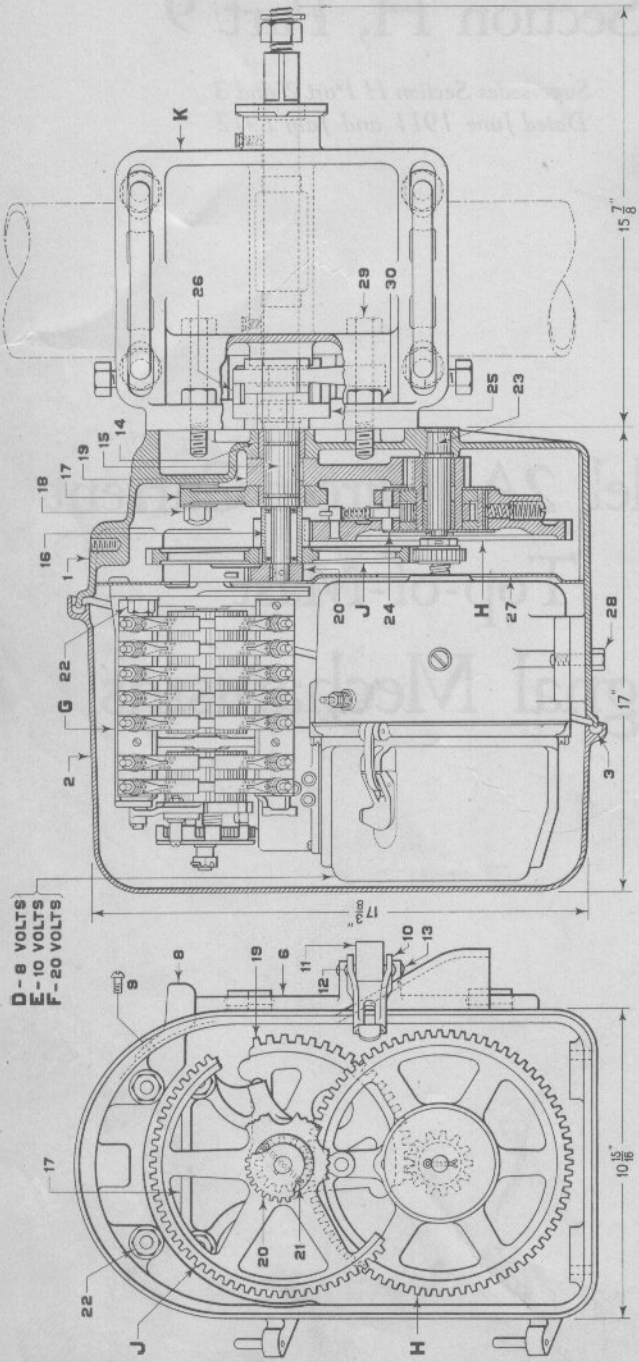
PLATE H0901



A - WITH 8 VOLT MOTOR FIG. D
B - WITH 10 VOLT MOTOR FIG. E
C - WITH 20 VOLT MOTOR FIG. F

Model 2A, Direct-Current, Top-of-Mast Signal Mechanism
8 volts, 10 volts or 20 volts

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Model 2A, Direct-Current, Top-of-Mast

Signal Mechanism

8 volts, 10 volts or 20 volts

Circuit controller is equipped with the contacts necessary for the local control of the signal only. Maximum contact equipment is shown merely as a matter of information.

If pole changing contacts or extra drag contacts are required, same must be specified. State the positions of the signal arm at which each extra contact is to make and break, considering the stop position as 0 degree.

For Semaphore Oil and Oiling diagrams see Part 21 of this Section.

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	Model 2A, 8 volt, Signal Mechanism, complete as shown, includes Clamp Bearing. Specify Spectacle to be used, size of mast (4″, 5″ or 6″) and whether Signal is to operate in two or three positions. If lever controlled, state whether Dynamic or Battery Indication	29815
A1	as above, except without Clamp Bearing Complete Fig. K.	29816
A2	same as Fig. A, except with Spectacle, Blade and Lamp Bracket. Specify Spectacle and Blade required. (Spectacle does not include Roundels)	
B	same as Fig. A, except 10 volt	
B1	as above, except without Clamp Bearing Complete Fig. K.	
B2	same as Fig. B, except with Spectacle, Blade and Lamp Bracket. Specify Spectacle and Blade required. (Spectacle does not include Roundels)	
C	same as Fig. A, except 20 volt	
C1	as above, except without Clamp Bearing Complete Fig. K.	
C2	same as Fig. C, except with Spectacle, Blade and Lamp Bracket. Specify Spectacle and Blade required. (Spectacle does not include Roundels)	
D	Motor Complete (8 volts). For details see Plate H1301 Fig. A.	39500
E	Motor Complete (10 volts). For details see Plate H1301 Fig. B	29890
F	Motor Complete (20 volts). For details see Plate H1301 Fig. C.	30870

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Fig. No.	Name	Drawing Reference
	Order by plate, figure number and name	
G	Circuit Controller Complete. For details and specifications see Plate H1401	34610
H	Ratchet Gear Complete. For details see Plate H1001 Fig. A	30080
J	Intermediate Gear Complete. For details see Plate H1001 Fig. C	29965
K	Clamp Bearing Complete, includes Shaft, Driver, Spring Stop, U Bolts, Oil Cups and Bolts for fastening to Mechanism. Specify Spectacle to be used, size of mast (4″, 5″ or 6″) and whether for upper or lower quadrant Signal. For details see Plate H1705	34603
1	Case Complete, includes Cover, Side Door, Shield for Side Door, Hinge Pins, Stud for Intermediate Gear, Bushing for Main Shaft, Hasp, Strap and all necessary Bolts, Pins and Rivets for holding the same	42339
2	Cover, with Gasket	
3	Gasket, for Cover Fig. 2	
6	Side Door, with Gasket, Latches and Rivets	
6a	Latch, for Side Door Fig. 6	42018
6b	Rivet, $\frac{3}{16}$″ x $\frac{1}{2}$″ rd. hd., for fastening Latch Fig. 6a to Top of Door Fig. 6	0204
6c	Rivet, $\frac{3}{16}$″ x $\frac{3}{8}$″ rd. hd., for fastening Latch Fig. 6a to bottom of Door Fig. 6	0203
6d	Gasket, for Side Door Fig. 6	
8	Shield, for Side Door Fig. 6	30520
9	Screw, $\frac{1}{4}$″ x $\frac{1}{2}$″ rd. hd., for fastening Shield Fig. 8 to Case	2449
10	Hasp Tongue	16110
11	Strap, for Hasp Tongue Fig. 10	30804
12	Pin, $\frac{3}{8}$″ x $1\frac{11}{16}$″, for fastening Hasp Tongue Fig. 10 to Strap Fig. 11	7005
13	Pin, $\frac{3}{8}$″ x $2\frac{3}{8}$″, for fastening Strap Fig. 11 to Case	7567
14	Bushing, for Main Shaft Fig. 15	29835

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Fig. No.	Name	Drawing Reference
	Order by plate, figure number and name	
15	Main Shaft, with one $\frac{3}{16}''$ x 2″ Cotter Pin, and two Woodruff Keys. For details see Plate H1003 Fig. 7a	
16	Roller Bearing Complete, for Intermediate Gear Fig. J. For detail see Plate H1001 Fig. 12	29998
17	Bearing Bracket Complete, includes Bushing and Oiler, for Main Shaft Fig. 15. For details see Plate H1003 Fig. 2	29833
18	Dowel Screw, for fastening Bearing Bracket Fig. 17 to Case. For detail see Plate H1003 Fig. 11	29849
19	Main Sector. For detail see Plate H1003 Fig. 1	29830
20	Sector, for operating Circuit Controller. For detail see Plate H1003 Fig. 6	29842
21	Cotter Pin, $\frac{3}{16}''$ x 2″, for Sector Fig. 20	046
22	Stud, $\frac{1}{2}''$ x $2\frac{1}{8}''$, with hex. Nut and Washer, for fastening Circuit Controller to Case. For details see Plate H1003 Fig. 12a	
23	Stud, for supporting Ratchet Gear Fig. H. For detail see Plate H1003 Fig. 10	29837
24	Washer, for Ratchet Gear Fig. H. For detail see Plate H1001 Fig. 11	30089
25	Machine Driver. For detail see Plate H1003 Fig. 3	34527
26	Intermediate Driver. For detail see Plate H1003 Fig. 5	29911
27	Partition, sheet iron. For detail see Plate H1001 Fig. 18	30041
28	Dowel Screw, $\frac{3}{8}''$ x $1\frac{3}{8}''$ hex. hd., for fastening Motor to Case	30049
29	Tap Bolt, $\frac{5}{8}''$ x 4″ hex. hd., for fastening Mechanism Case to Bearing	34675
30	Tap Bolt, $\frac{5}{8}''$ x $1\frac{3}{4}''$ hex. hd., for fastening Mechanism Case to Bearing	0664