

A70406/9/42

Date June 17/43.

Present at Test **Mr. Clark** (Admiralty Overseer).

h.m.	Volts.	Amperes			Revs. per min.	Temp. (F.) Air.	Temp. (F.) by Thermometer in Frame.	Temp. (F.) and Rise.				Shunt Resistance and per- centage Increase.	Shunt Volts G/M.	
		M.	G.	Shunt. (G)				Armature Core	Commun- tator.	Magnet Coils. <u>Sunt. Series.</u>	Inter- pole coil.			
<u>Six-hour Run.</u>														
8.30	220		0		630	-	-							
9.00	"	575	455	4.4	600	60	-							
9.30	"	-	"	"	"	64	-							
10.00	"	570	"	"	"	65	72/75							
10.30	"	570	"	"	"	66	74/78							
11.00	"	-	"	"	"	"	-							
11.30	"	570	"	"	"	67	75/80	(143 137	Motor.	129 158	140			
12.00	"	-	"	"	"	68	-	{ 71 71		71 71	71	39.5		
12.30	"	570	"	"	"	69	78/82	{ 72 66		58 87	69			
1.00	"	-	"	"	"	70	-							
1.30	"	570	"	"	"	"	79/83							
2.00	"	-	"	"	"	71	-							
2.30	"	570	"	3.86	"	"	79/83	{ 132 124	Generator.	112 123	103			
								{ 71 71		71 71	71			
								{ 61 53		41 52	32			
<u>No. 88794.</u>														
220	-	0	-	630	No Load.									
"		455	4.1	600	Full Load.									
211		683	-	585	50% Overload.									
216		568	-	593	25% do.									
225		341	-	607	3/4 Load.									
230		227.5	-	615	1/2 do.									
227		114	-	622	1/4 do.									
231		455	4.65	600	+ 5% Full Load.									
264		"	6.78	"										
188		"	2.77	"	P.T. only.									
140		0	2.3	630	Regulator "All In". Machine cold.									
<u>No. 88793.</u>														
220		0	-	630	No Load.									
"		455	4.0	600	Full Load.									
209		683	-	585	50% Overload.									
214		568	-	593	25% do.									
224		341	-	607	3/4 Load.									
226		227.5	-	615	1/2 Load.									
225		114	-	622	1/4 do.									
231		455	4.71	600	+ 5% Full Load.									
262		"	6.9	"										
189		"	2.98	"	P.T. only.									
148		0	2.46	630	Regulator "All in". Machine cold.									
2000 volts applied between main windings & earth {shunts earthed}, for 2 mins. Insulation resistance " " " " " " } = 50 megohms. 2000 volts applied " shunt " " " " {main windings earthed}, for 2 mins. Insulation resistance " " " " " " } = 100 megohms.														