

Insulation of Cables
 Fall of Pressure, s
 Cable Sockets and
Yes.
 Paper Insulated Ca
 insulating compound
 Cable Runs, are the c
 steam pipes, uptakes or
 Support and Protec
 galvanized st
 mechanical da
 If cables are run in
 separate grooves /
 Refrigerated Cham
 Joints in Cables, st
 by metal cov
 Watertight Glands
Yes.
 Bushes in Beams a
 bushed **Yes.**
 Earthing Connecti
 except for wi
 Alternative Lighti
 Emergency Supply,
 Navigation Lamps,
 are the fuses double po
 has each navigation la
 are separate oil lantern
 Fittings, are all fitti
 are any fittings placed
 are any fittings placed
 where are the contr
 Searchlight Lamp
 Arc Lamps, other li
 Motors, are their u
 are the brushes, brusl
 inflammable gases can
 are they protected fro
 if situated near unpre
Totally
enclosed
 Control Gear and
 Lightning Conduc
 Ships carrying 0
 section and distribut
 If portable lamps for

All Conductors are of annealed copper conforming to British Standard Specification No. 7.
 The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.
 The foregoing is a correct description.
 NAGASAKI WORKS, MITSUBISHI ZOSEN KAISHA, LTD.
 GENERAL MANAGER, Electrical Engineers. Date 23/9/27

COMPASSES.
 Distance between electric generators or motors and standard compass 28 ft (W.T. motor generator)
 Distance between electric generators or motors and steering compass 20 ft (" " ")
 The nearest cables to the compasses are as follows :-
 A cable carrying 0.05 Ampères One feet from standard compass 9 feet from steering compass.
 A cable carrying 0.05 Ampères 9 feet from standard compass One feet from steering compass.
 A cable carrying Ampères feet from standard compass feet from steering compass.
 Have the compasses been adjusted with and without the electric installation at work at full power **Yes.**
 Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted **Yes.**
 The maximum deviation due to electric currents was found to be Nil. degrees on All. course in the case of the stand
 compass, and Nil. degrees on All. course in the case of the steering compass.
 NAGASAKI WORKS, MITSUBISHI ZOSEN KAISHA, LTD.
 GENERAL MANAGER, Builder's Signature. Date 23/9/27

Is this installation a duplicate of a previous case **Yes.** If so, state name of vessel "Columbia Maru" Nag.Rpt.16
 General Remarks (State quality of workmanship, opinions as to class, &c. **The materials and workmanship are good
 and the installation has been fitted in accordance with the Rules, tested under full work
 conditions and found satisfactory.**
 Plan sent under separate cover of:- Electric Wiring Diagram.

It is submitted that
 this vessel is eligible for
 THE RECORD. Elec. light.
 J.W.D.
 12/10/27
 P.I.
 George Anderson
 Surveyor to Lloyd's Register of Shipping.

Total Capacity of Generators 251. Kilowatts
 The amount of Fee ... **£ 368:00** : When applied for, 1. 9. 27
 Travelling Expenses (if any) £ : When received, 17. 9. 27

Committee's Minute FRI. 14 OCT 1927
 Assigned

Steel Screw Motor Vessel "OLYMPIA MARU"

LIGHTING & HEATING CONDUCTORS.

Ref.No.	Description.	No. of Conductors	Effective Area of each Conductor.		Composition of Strand.	Total Maximum Current Amperes.	Approximate Length. (L & R) Feet.	Insula- ted with.	How Protected.
			Sq. Ins.	No. Dia.					
1	Main Generator.	1	.00701	7	.036	367	80	Rubber	Lead Covered
2	Equalizer for Generator.	2	.60493	91	.092				
3	Auxiliary Generator.	1	.00181	1	.048				
48	No.1 Distribution Board.	2	.00701	7	.036	15.6	110	"	"
49	No.2 " "	2	"	1	"	9.82	15	"	"
50	No.3 " "	2	"	1	"	8.91	65	"	"
51	No.4 Cut-out.	2	"	1	"	3.27	15	"	"
52	No.1 Submain Board.	2	.00701	7	.036	27.6	50	"	"
53.54	Cargo cluster (No.3 Hatch)	1	.00475	168	.006	1.08	60	"	"
55	Main Cir. for Cargo Clu.	2	.00322	1	.064	2.16	65	"	"
56.57	Cargo cluster (No.1 H.)	1	.00475	168	.006	1.08	60	"	"
58	Main Cir. for Cargo Clus.	2	.00322	1	.064	2.16	470	"	"
59.61	Cargo cluster (No.2 H.)	1	.00475	168	.006	1.08	60	"	"
60	Cargo lamp (No.2 Hatch)	1	"	"	"	2.28	60	"	"
62	Main circuit for Cargo cluster & lamp.	2	.00322	1	.064	4.44	210	"	"
63.65	Cargo cluster (No.4 & 5 H.)	1	.00475	168	.006	1.08	60	"	"
64	Cargo lamp (No.4 & 5 H.)	1	"	168	"	2.28	60	"	"
66	Main circuit for Cargo cluster & lamp.	2	.00322	1	.064	4.44	100	"	"
67.68	Cargo cluster (No.6 & 7 H.)	1	.00475	168	.006	1.08	60	"	"
69	Main Cir. for Cargo Clu.	2	.00322	1	.064	2.18	770	"	"
70	No.2 Submain Board.	2	.00701	7	.036	15.44	90	"	"
71	Fore mast lamp.	1	.00181	1	.048	0.27	200	"	L.C.A.
72	Starboard side lamp.	2	.00322	1	.064	"	80	"	L.C.
73	Port side lamp.	2	"	1	"	"	80	"	"
74	Main mast lamp.	1	.00181	1	.048	"	470	"	L.C.A.
75	Stern lamp.	2	.00322	1	.064	"	800	"	L.C.
76	Main Cir. Nav. lamp.	2	"	1	"	1.35	195	"	"
77	Bus-bar lamp circuit.	2	.00181	1	.048	0.18	55	"	"

MOTOR CONDUCTORS.

Ref.No.	Description.	No. of Motors.	Effective Area of each Motor.		Composition of Strand.	Total Maximum Current Amperes.	Approximate Length. (L & R) Feet.	Insula- ted with.	How Protected.
			Sq. Ins.	No. Dia.					
4	Windlass motor.	1	.15268	150	.036	185	60	Rubber	L.C.
5.6.	3 tons Winch (fore)	2	.11903	37	.064	120	75	"	"
7	Main Cir. for Winch.	1	.40551	61	.092	425	450	"	"
8.11.	5 tons Winch (Mid.)	2	.20358	200	.036	160	100	"	"
9.10.	3 tons Winch (")	2	.11903	37	.064	120	75	"	"
12	Main Cir. for Winch.	1	.60493	91	.092	425	200	"	"
13.14	3 tons Winch (Mid.)	2	.11903	37	.064	120	80	"	"
15	Main Cir. for Winch.	1	.40551	61	.092	425	150	"	"
16.17	3 tons Winch (aft)	2	.11903	37	.064	120	100	"	"
18	Main Cir. for Winch.	1	.40551	61	.092	425	580	"	"
19	Steering motor.	1	.06112	19	.064	58.5	520	"	"
20	Second battery for WL.T.	1	.00701	7	.036	20	65	"	"
21	Motor side for 1 KVA.MG.	1	.00701	7	.036	8	60	"	"
22	Gen. side for 1 KVA.MG.	1	.00181	1	.048	10	30	"	"
23	Motor side for 1/2 KVA.MG.	1	.00701	7	.036	19	60	"	"
24	Generator side for 1/2 KVA. MG.	1	.00181	1	.048	10	30	"	"
25	Main Cir. wireless teleg. switch.	1	.00701	7	.036	2.5	60	"	"
26.27	Turbo blower motor	2	.01267	7	.048	20	100	"	"
28	Main Cir. turbo blower	1	.00701	7	.036	20	65	"	"
29.30	Aux. Compressor motor	2	.40551	61x2	.092	425	65	"	"
31.38	Jacket & Piston Cooling pump motor.	2	"	61	"	285	150	"	"
32.39	Lub. oil pump motor	2	.11903	37	.064	100	80	"	"
33	Fuel oil transfer pump motor.	2	.01267	7	.048	31	85	"	"
34	General service P. motor.	1	.00701	7	.036	18	100	"	"
35	Lub. oil purifier motor.	1	.11903	37	.064	112	150	"	"
36	Main Cir. No.5 Junc. box.	1	.00701	7	.036	10	120	"	"
37	Fuel oil purifier motor.	1	.40551	61	.092	425	105	"	"
40	Work shop motor.	1	.00701	7	.036	12.2	95	"	"
41	Work shop motor.	1	"	7	"	21	110	"	"
42	Bilge pump motor.	1	.01267	7	.048	28	125	"	"
43	Ballast pump motor.	1	.11903	37	.064	100	125	"	"
44	Main Cir. No.6 Junc. box.	1	.40551	61	.092	425	105	"	"
45.46	Fuel oil transfer pump M. Galley cooking fan motor.	2	.00701	7	.036	4.78	70	"	"
47	Main Cir. cooking fan M.	2	"	7	"	4.58	55	"	"