

COPY



1823

6th April 32	6th April 32	NAGASAKI.
NAGASAKI.	19th Jany.	24th March 32.
42659 in Sup.	Steel Twin Screw Steamer "USSURI MARU".	6385.57
Nagasaki.	Mitsubishi Zosen Kaisha	3789.10
Osaka Shosen Kabushiki Kaisha.	500	1932-3mo
	Osaka, Japan.	
	Mitsubishi Zosen Kaisha, Ltd.	1932

Two wire system.

110

110

110

Direct current

Direct current

/

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Main engine room, Starboard side - 2nd Deck.

Yes

Yes

/

/

Yes

Yes

Yes

Yes

Main engine room. 2nd Deck - Starboard side, Aft.

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

breaker with overload release, reverse current trip and time-lag device and angle pole equalizer switch interlocked with the circuit breaker as per rule, and a double pole knife switch for each generator: A double pole knife switch and enclosed fuse on each pole for each out going circuit.

3

2

/

Lamp.

Yes

Yes



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W1331-0023 15

Single or
Multicore

Yes
5.1 volt for Lighting.
6.9 volt for Power.

Yes

Yes

Yes

Clamped to galvanized perforated steel
plate by metal clips and protected by steel armouring or steel pipe where necessary.

/

/

/

Yes

Yes

/

Yes

Yes

Lead

There is no earthing connection
except that for wireless telegraph which has sectional area of 0.00715 sq.inches.

Yes

Yes

/

Yes

Yes

Yes

Yes

Yes

Yes

Yes

metal guards.

Protected by strong

/

/

/

/

Yes

Yes

Yes

Yes

Yes

Yes

Yes



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3 25 110 228 600 Steam Engine.

SEE SEPARATE LIST.

SEE SEPARATE LIST.



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0023015

70 feet from Motor-Generator for Wireless Telegraph.
70 feet from Motor-Generator for Wireless Telegraph.

0.2	1	1	
/	/	/	
/	/	/	
		Yes	
			Yes
	Nil	Any and every	
Nil	Any and every		

Yes "Ural Maru" Reg.Rpt No.1676.

The materials and workmanship are good and the installation has been fitted in accordance with the Rules, tested under full working conditions and found satisfactory.
Plans sent under separate cover of:- Wiring Diagram of Power. Lighting & Cabin Fan.

75

W 340:80 24. 3. 32
28. 3. 32



Steel Twin Screw Steamer "USSURI MARU".

LIGHTING & HEATING CONDUCTORS.

Ref. No.	Description.	No. of Cond.	Effective Area of Each Cond. Sq. Ins.	Composition of Strand No.	Max. Dia.	Total Maximum Current Amperes	Approximate Length (L & R) feet	Insulated with	How Protected
1	No.2 Dynamo	2	.40551	61	.092	228	95	Rubber	Lead covered and armoured
2	Equalizer	1	"	"	"	"	47	"	"
6	Fuse box icecream freezer	2	.01267	7	.048	24.5	240	"	"
8	1.76 KW Electric toaster	2	.00713	7	.036	16	80	"	"
9	Wireless switchboard	2	.01267	7	.048	19	260	"	"
10	Secondary battery	2	.00701	7	.036	19	10	"	Lead covered.
12	1 KVA Gen. for Wireless Tel.	2	"	7	"	10	100	"	L.C & A.
14	1/2 KVA Gen. for " "	2	"	7	"	2.5	100	"	L.C & A.
18	Shore connection	2	.06	19	.064	"	200	"	Lead covered
19	No.1 Main distribution board	2	.1168	37	"	92.3	230	"	L.C & A.
20	No.1 Submain board	2	.03438	19	.048	44.5	150	"	Lead covered
21	No.2 " "	2	"	"	"	47.8	4	"	"
22	No.1 Dist. board	2	.00701	7	.036	15	100	"	"
23	No.2 " "	2	"	7	"	20.4	4	"	"
24	No.3 " "	2	"	7	"	9.1	4	"	"
25	No.4 " "	2	"	7	"	12.5	4	"	"
26	No.5 " "	2	"	7	"	10.7	4	"	"
27	No.6 " "	2	"	7	"	10.8	4	"	"
28	No.7 " "	2	"	7	"	13.8	4	"	"
29	No.3 Submain board	2	.02214	7	.064	31.5	180	"	L.C & A.
30	No.8 Dist. board	2	.00701	7	.036	7.9	4	"	Lead covered
31	No.9 " "	2	"	7	"	10.4	20	"	"
32	No.10 " "	2	"	7	"	13.2	4	"	"
33	No.4 Submain board	2	.02214	7	.064	38.6	180	"	L.C & A.
34	No.11 Dist. board	2	.01267	7	.048	13.8	250	"	Lead covered
35	No.12 " "	2	.00701	7	.036	14.8	4	"	"
36	Socket for Kinetograph	2	.00322	1	.064	10	4	"	"
37	No.5 Submain board	2	.03438	19	.048	48.6	130	"	L.C & A.
38	No.13 Dist. board	2	.00701	7	.036	10.7	250	"	Lead covered
39	No.14 " "	2	"	7	"	7.4	4	"	"
40	No.15 " "	2	"	7	"	8.4	70	"	"
41	No.16 " "	2	"	7	"	9.5	300	"	"
42	No.17 " "	2	"	7	"	12.6	230	"	"
43	No.2 Main Dist. board	2	.1168	37	.064	95.4	130	"	L.C & A.
44	No.6 Submain board	2	.06112	19	"	61.9	70	"	Lead covered
45	No.7 " "	2	.01267	7	.048	32.5	4	"	"
46	No.18 Dist. board	2	.00701	7	.036	13.2	200	"	"
47	1 K.W. Electric heater	2	"	7	"	10.4	370	"	"
48	No.19 Dist. board	2	"	7	"	10.8	60	"	"
49	No.20 " "	2	"	7	"	12.2	4	"	"
50	No.21 " "	2	"	7	"	9.7	250	"	"
51	Cut-out for 3rd Oil day light	2	.00322	1	.064	5.6	120	"	"
52	No.22 Dist. board	2	.00701	7	.036	16.1	4	"	"
53	No.23 " "	2	"	7	"	17.4	4	"	"
54	No.8 Submain board	2	.01267	7	.048	29.8	40	"	L.C & A.
55	No.24 Dist. board	2	.00701	7	.036	11.2	4	"	"
56	No.25 " "	2	"	7	"	4.4	4	"	"
57	No.26 " "	2	"	7	"	14.2	4	"	"
58	Cut-out for Eng. Rm. Bus-bar lamp	2	.00181	1	.048	2.2	40	"	"
59	No.3 Main dist. board	2	.02214	7	.064	31.2	120	"	"
60	No.9 Submain board	2	.00701	7	.036	15.6	120	"	Lead covered
61	No.10 " "	2	"	7	"	15.6	100	"	"
62	Fore mast cargo lamp	2	.00181	1	.048	6	15	"	L.C & A.
63	No.1 hatch cargo cluster	2	"	1	"	4.8	20	"	"
64	Flex. cord for cargo lamp	2	.00475	168	.006	3	160	"	Hemp braided flexible cord
65	" " " " cluster	2	"	"	"	2.4	160	"	"
66	Main mast cargo lamp	2	.00181	1	.048	6	20	"	L.C & A.
67	No.4 hatch cargo cluster	2	"	1	"	4.8	20	"	"
68	Flex. cord for cargo lamp	2	.00475	168	.006	3	160	"	H.B.F.C.
69	" " " " cluster	2	"	"	"	2.4	160	"	"
70	Navigation lamp	2	.00701	7	.036	3.2	440	"	L.C & A.
71	Fore mast lamp	4	.00322	1	.064	.6	580	"	"
72	Starboard side lamp	4	"	1	"	.6	120	"	"
73	Port side lamp	4	"	1	"	.6	40	"	"
74	Main mast lamp	4	"	1	"	.6	700	"	"
75	Stern lamp	4	"	1	"	.6	700	"	"
76	No.11 Submain board	2	.03438	19	.048	55	120	"	"
77	No.27 Dist. board	2	.00322	1	.064	7	180	"	Lead covered
78	No.28 " "	2	"	1	"	10.85	100	"	"
79	No.29 " "	2	"	1	"	6	220	"	"
80	No.30 " "	2	"	1	"	8	60	"	"
81	No.31 " "	2	"	1	"	5.25	220	"	"
82	No.32 " "	2	"	1	"	4.9	80	"	"
83	No.33 " "	2	.00701	7	.036	13	4	"	"
MOTOR CONDUCTORS.									
3	Fuse box for Ord. fan motor	2	.1168	37	.064	90	180	"	L.C & A.
4	No.1 2HP Ord. fan motor	2	.00701	7	.036	20	240	"	Lead covered
5	No.1 2.5HP Ord. fan motor	2	.01267	7	.048	25	340	"	"
7	1 HP Icecream freezer motor	2	.00713	7	.036	8.5	10	"	"
11	Motor for 1 KVA. Generator	2	.00701	7	"	17	100	"	L.C & A.
12	1 KVA Gen. for Wireless Tel.	2	"	7	"	10	100	"	"
13	Motor for 1/2 KVA. Generator	2	"	7	"	19	100	"	"
15	3HP Turbine turning motor	2	.01267	7	.048	31	140	"	"
16	1.6HP Lub. oil purifier motor	2	.00701	7	.036	14.5	128	"	"
17	2 HP Eng. Rm. Vent. fan motor	2	"	7	"	20	50	"	"

6th April 1938

Steel Twin Screw Steamer "U S S U H I" M A R U

LIGHTING & HEATING CONDUCTORS

No.	Description.	No. of each Cond. of 2 1/2 ins. dia.	No. of Composite or 2 1/2 ins. dia.	Total Maximum Current (Amps.)	Approximate Length (ft.)	Insulated with	How Protected
1	No. 2 Dynamo	2	40551	228	25	Rubber	Lead covered and galvanized
2	Spuller	1	"	"	47	"	"
3	Fuse box for screw freezer	2	01857	24.5	240	"	"
4	1.75 HP Electric toaster	2	00015	18	80	"	"
5	Wireless switchboard	2	01857	19	280	"	"
10	Secondary battery	2	00001	19	10	"	Lead covered
15	1 KVA Gen. for Wireless Tel.	2	"	19	100	"	L.C. & A.
16	1 KVA Gen. for "	2	"	2.5	100	"	L.C. & A.
18	Shore connection	2	00	28.3	200	"	Lead covered
19	No. 1 Main distribution board	2	01188	28.3	280	"	L.C. & A.
20	No. 1 Submain board	2	00458	44.5	180	"	Lead covered
21	"	2	"	47.8	4	"	"
22	No. 1 Dist. board	2	00001	18	100	"	"
23	"	2	"	20.4	4	"	"
24	"	2	"	2.1	4	"	"
25	"	2	"	12.5	4	"	"
26	"	2	"	10.7	4	"	"
27	"	2	"	10.8	4	"	"
28	"	2	"	13.8	4	"	"
29	No. 2 Submain board	2	00214	21.3	180	"	L.C. & A.
30	No. 2 Dist. board	2	00001	7.9	4	"	Lead covered
31	"	2	"	10.4	20	"	"
32	"	2	"	13.2	4	"	"
33	No. 4 Submain board	2	00214	28.3	180	"	L.C. & A.
34	No. 11 Dist. board	2	01857	13.8	280	"	Lead covered
35	"	2	00001	14.8	4	"	"
36	Hooked for Kinesograph	2	00082	10	4	"	"
37	No. 2 Submain board	2	00458	48.3	180	"	L.C. & A.
38	No. 12 Dist. board	2	00001	10.7	280	"	Lead covered
39	"	2	"	7.4	4	"	"
40	"	2	"	8.4	70	"	"
41	"	2	"	9.3	200	"	"
42	"	2	"	12.4	280	"	"
43	No. 2 Main Dist. board	2	01188	28.4	180	"	L.C. & A.
44	No. 2 Submain board	2	00112	21.3	70	"	Lead covered
45	"	2	01857	28.3	4	"	"
46	No. 12 Dist. board	2	00001	12.8	200	"	"
47	1 K.V. Wireless heater	2	"	10.4	270	"	"
48	No. 12 Dist. board	2	"	10.8	60	"	"
49	"	2	"	12.2	7	"	"
50	"	2	"	2.7	280	"	"
51	Out-out for 2 1/2 01 day light	2	00022	2.8	180	"	"
52	No. 22 Dist. board	2	00001	12.1	4	"	"
53	"	2	"	14.4	4	"	"
54	No. 2 Submain board	2	01857	28.3	40	"	L.C. & A.
55	No. 24 Dist. board	2	00001	11.2	4	"	"
56	"	2	"	4.4	4	"	"
57	"	2	"	14.2	4	"	"
58	Out-out for 2 1/2 01 day lamp	2	00081	2.2	40	"	"
59	No. 2 Main Dist. board	2	00214	21.3	180	"	"
60	No. 2 Submain board	2	00001	12.8	180	"	Lead covered
61	"	2	"	15.6	100	"	"
62	For main cargo lamp	2	00081	4	18	"	L.C. & A.
63	No. 1 batch cargo elevator	2	00045	4.8	20	"	"
64	Flex. cord for cargo lamp	2	"	2.4	180	"	Hemp braided flexible cord
65	"	2	"	8	180	"	"
66	Main mast cargo lamp	2	00081	8	20	"	L.C. & A.
67	No. 4 batch cargo elevator	2	00045	4.8	20	"	"
68	Flex. cord for cargo lamp	2	"	2.4	180	"	H.B.T.C.
69	"	2	"	8	180	"	"
70	Navigation lamp	2	00001	2.5	440	"	L.C. & A.
71	For main lamp	4	00082	2	280	"	"
72	Starboard side lamp	4	"	2	180	"	"
73	Port side lamp	4	"	2	40	"	"
74	Main mast lamp	4	"	2	700	"	"
75	Starboard lamp	4	"	2	700	"	"
76	No. 11 Submain board	2	00458	25	180	"	"
77	No. 21 Dist. board	2	00022	7	180	"	Lead covered
78	"	2	"	10.8	100	"	"
79	"	2	"	2	280	"	"
80	"	2	"	2	80	"	"
81	"	2	"	2.2	280	"	"
82	"	2	"	4.2	80	"	"
83	"	2	00001	12	4	"	"
MOTOR CONDUCTORS							
2	Fuse box for 0.25 HP motor	2	01188	27	180	"	L.C. & A.
4	No. 1 0.25 HP motor	2	00001	20	240	"	Lead covered
5	No. 1 0.25 HP motor	2	01857	22	240	"	"
7	1 HP screw freezer motor	2	00015	28.3	10	"	"
11	Motor for 1 KVA generator	2	00001	17	100	"	L.C. & A.
12	Motor for KVA generator	2	"	19	100	"	"
13	1 HP screw freezer motor	2	01857	27	140	"	"
14	1 HP 0.25 HP generator motor	2	00001	14.2	128	"	"
15	2 HP 0.25 HP generator motor	2	"	20	80	"	"