

With or Without
Disconnected Erections.

STEEL STEAMER.

Received at London Office MON. JUN. 21 1920

Date of completion of report 11th May '20
Survey held at Nagasaki
On the (State if Single, Twin, or Triple Screw) S.S. "Lima Maru"
TONNAGE under 6468.96
Tonnage Deck... 6468.96
Do. between Tonnage Dk. and 3rd and 4th Dk. 110.91
Total under Upper Dk. 6468.96
Do. of Poop 110.91
Do. of R.Q.Dk. 325.80
Do. of Bridge House 53.61
Do. of Houses on Dk. 205.64
Do. of excess of Hatchways 41.79
Do. above Crown of Engine Room 42.84
Gross Tonnage 7249.65
Net Tonnage 342.54
Net Water Tank 36.24
Net Tonnage 4474.98
CLASS +100 A-1
Breadth (greatest moulded) 58.0
Depth, at middle of length from top of keel to top of upper deck beams at side 34.0
Transverse Number 92.0
Length on deck from fore part of stem to after part of stern post 445.0
Longitudinal Number 40940
Depth "d," at middle of length (See Secs. 2 & 13) 20'-4 1/2"
Proportions—Depth to Length—Upper Deck Beam at side to top of keel 13.09
" " Long Bridge Deck Beam at side to top of keel 10.60
Master J. Asaki
Year of appointment (1) As Master in service of owner of present vessel 1920
(2) As Master of this vessel 1920
Built at Nagasaki
When built 1920 Launched 25th March '20
By whom built Mitsubishi Kosen Kaisha, Ltd.
Owners Nippon Yusen Kaisha
Managers (Where necessary to be entered in Reg. Book.)
Residence Yokio
Port belonging to Yokio
Destined Voyage New York U.S.A. If Surveyed while Building, Afloat, or in Dry Dock while building

Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
1	445	0	Moulded	58	0	Do.	Do.	21	1 1/2	2
2						Do.	Do.	21	1 1/2	2

Moulded depth, ft. 42 ins. 0 To Bridge Dk. Round of Upper 14 ins.
Moulded depth, ft. 34 ins. 0 To Upper Dk. Dk. Beam, Actual

FRAMING.	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	PILLARS.	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
Angles, or E or L Bars amidships	12	3 1/2	68	12	3 1/2	68	PILLARS In 'tween Deck, size and spacing	3	Row	Wide	Spaced
Bulk angle	8	3 1/2	46	8	3 1/2	46	" " Hold	"	"	"	"
Double Bottoms at Solid Floors	4 1/2	3 1/2	44	4 1/2	3 1/2	44	" Quarter 'tween Dks.,	"	"	"	"
" at intermdt. Bkts.	8 1/2	3 1/2	48	8 1/2	3 1/2	48	" in Hold	"	"	"	"
Frames from centre to centre amidships	36			36			KEELSONS & STRINGERS.	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
" " from 1	24			24			CENTRE LINE KEELSON, Vertical Plate above				
" " length to Collision bulkhead	24			24			floors, Through Plate, or Intercoastal Plate				
" " in peaks	24			24			Rider Plate				
FRAME, Angles	3 1/2	3 1/2	44	3 1/2	3 1/2	44	" Flat Plate Keel Angles				
Double Bottoms at Solid Floors	8	3 1/2	46	8	3 1/2	46	" Horizontal Plates on Floors				
" at intermdt. Bkts.	12			12			" Angles or Bulb Angles				
depth of girder	E-42, B-57			E-42, B-57			SIDE KEELSONS, Number				
depth and thickness of Floor Plate							" Angles or Bulb Angles				
at mid-line for 1/2 length amidships							" Plate above floors, for length				
way of Engine and Boiler Spaces							" Intercoastal Plate, for length				
mess at the ends of vessel							" Attached to outside Plating with Angle				
h at 1/2 the half breadth, as per Rule							BILGE KEELSON, Angles				
ht extended at the Bilges	46" x 42			46" x 42			" Intercoastal Plate for length				
n Cell. Double Bottoms	46" x 42			46" x 42			" Attached to outside Plating with Angle				
state if flanged (top & bottom)	46" x 42			46" x 42			SIDE STRINGERS, Number 3				
spacing of Solid floors	46" x 42			46" x 42			" Angle	4	4	46	4
GIRDER, in Dbl. bottom, dpth. & thknss.	46" x 42			46" x 42			" Intercoastal Plate, for length	6	30	44	6
" Angles, Top	5	5	60	5	5	60	" Attached to outside plating with Angle	6	6	46	6
" " Bottom	5	5	60	5	5	60	Upper Deck Stringer Plate, br'dth & thickness	66	70	66	70
" " to Floors	6	6	50	6	6	50	" " " " (clear of Bridge)	66	50	66	50
brackets at intermdt. frmg., width & thknss	39" x 46			39" x 46			" " " " (in way of Bridge)	5 x 5	72	5 x 5	72
BERS, number on each side & thickness	Two	42		Two	42		" " " " Angle (clear of Bridge)				
" state if flanged (top and bottom)	Two	42		Two	42		" " " " Tie Plate at sides of Hatchways				
" Angles (top and bottom)	3 1/2	3 1/2	44	3 1/2	3 1/2	44	" Deck * Iron or Steel, for whole lng.	58-48	58-48	58-48	58-48
" " to Floors	3	3	42	3	3	42	" " " " Thickness (clear of Bridge)	58-40	58-40	58-40	58-40
PLATE, depth (exclusive of flange)	38			38			" " " " (in way of Bridge)				
" and thickness	4	4	50	4	4	50	" Wood Deck. Material & thickness	49" x 50	49" x 50	49" x 50	49" x 50
" Angle to Outside Plating	6	3 1/2	44	6	3 1/2	44	Second Deck Stringer Plate, br'dth & thickness	49" x 50	49" x 50	49" x 50	49" x 50
" " Floors	48" x 46			48" x 46			" Angles on ditto, No. 2	4 x 4	50	4 x 4	50
brackets at intermdt. frmg., width & thknss	48" x 46			48" x 46			" Tie Plates outside Hatchways				
eight of Outside Brackets above at bilge	37" at 27 1/2	48" at 36		37" at 27 1/2	48" at 36		" Deck * Iron or Steel, for whole lng.				
OTTOM PLATING, breadth and thickness of Middle Line Strake	46			46			" Wood Deck. Material & thickness				
" in Engine and Boiler space	63 in B. 56 in E. 56 in B. 56 in E.			63 in B. 56 in E. 56 in B. 56 in E.			Third Deck Stringer Plate, br'dth & thickness				
" Remainder in Holds	48			48			" Angles on ditto, No.				
Upper Deck, Single Angle, Bulb	8	3	46	8	3	46	" Tie Plates, outside Hatchways				
Angle, Plate, Tee Bulb, or Channel	9	3	48	9	3	48	" Deck * Material and thickness				
In way of Long Bridge	36			36			Fourth and Fifth Deck Stringer Plate, breadth & thickness				
Spacing	36			36			" " " Angles on ditto, No.				
Second Deck, Single Angle, Bulb	9 1/2	3 1/2	50	9 1/2	3 1/2	50	" " " Tie Plates outside Hatchways				
Angle, Plate, Tee Bulb, or Channel	36			36			" " " Deck. Material & thickness				
Spacing	36			36			Poop Deck Stringer Plate, breadth & thickness	37	36	37	36
Third and Fourth Deck, Single Angle, Bulb							" Angle on ditto	3 1/2 x 3 1/2	36	3 1/2 x 3 1/2	36
Bulb Angle, Plate, Tee Bulb, or Channel							" Tie Plates	10	36	10	36
Angles on upper edge							" Deck. Material and thickness	Oregon Pine 5 x 3	O.P. 5 x 3	O.P. 5 x 3	O.P. 5 x 3
Spacing							Bridge Deck Stringer Plate, br'dth & thickness	60	58	60	58
Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	44	7	3	44	" Angle on ditto	5 x 5	64	5 x 5	64
" Angles on upper edge							" Tie Plates	Steel W.S. 50	42	50	42
Spacing	36" + 48"			36" + 48"			" Deck. Material and thickness	Steel W.S. 3" O.P.	O.P. 3"	O.P. 3"	O.P. 3"
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3	48	9	3	48	Forecastle Deck Stringer Plate, br'dth & th'kns	34	36	34	36
" Angles on upper edge							" Angle on ditto	3 1/2 x 3 1/2	36	3 1/2 x 3 1/2	36
Spacing	36			36			" Tie Plates				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	40	7	3	40	" Deck. Material and thickness	Steel W.S. 5 x 2 1/2	O.P. 30	O.P. 30	O.P. 30
" Angles on upper edge											
Spacing	24" + 24"			24" + 24"							

WEB FRAMES. In Fore Body, No. and spacing. In E. & B. Space, No. & spacing. In After Body, No. and spacing. BULKHEADS. W.T. BULKHEADS. COLLISION PARTITION. LONGITUDINAL. PLATING. STRAKES. KEEL, Bar, depth and thickness. STEM, moulding and thickness. STERN-POST for Rudder do. do. RUDDER-A x D. Table 22. Speed. RUDDER, how constructed. RIVETING. BUTTS. SHEERS. POOP SIDES. FORECASTLE SIDES. MASTS, SPARS, &c.

EQUIPMENT No. 42,554. LETTER bt. ANCHORS. TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS. CHAIN CABLES. HAWSERS AND WARPS. Boats. Steering Gear, Steam. Steering Gear, Hand. Pumps, Number. Windlass. Engine Room Skylights. Coal Bunker Openings. Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Ceiling in Holds, thickness and material. Cargo Hatchways. State size No. 1 Hatch (Forward). Number of Web Plates. Bulwarks, height above deck and description. The foregoing is a correct statement of the particulars of the vessel. Builder's Signature. Correspondence. Workmanship. Are the butts of plating planned or otherwise fitted? Is the riveted work properly closed? Are the liners between the frames and plates solid single pieces? to plate, &c., conform well to each other? from the faying surfaces? Are the butts of Plating, Stringers, &c., properly shifted and strapped? Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? General Remarks (State quality of workmanship, &c.). This vessel has been built in accordance with the approved plans and in conformity with the Rules for the class contemplated. Plans of Midship Section, Construction Profile & Deck Plan, Rudder & Sternframe, shaft brackets, & W.I. Bulkheads are enclosed under separate cover. Certificates for Rudder, Sternframe & shaft brackets are enclosed herewith. This vessel is a sister vessel to the "Yuruga Maru" Rep. No. 1069, Mag.

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 34.8 ft., R.Q.D. ft., Bridge 138 ft., Forecastle 34 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given should appear in the Register Book) 2 Stks (Stl.) ☒

Official No. ; Signal Letters State if Machinery is fitted, aft No.
How are the surfaces preserved from oxidation? Inside Paint & Cement No. 34 tanks except shell. Outside Paint
also Bunkers & Boiler Rm tank top with Bitumastic.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors Cellular

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>129</u>	<u>365</u>	Fore peak tank,	<u>22</u>	<u>7</u>
Double bottom, under Engines and Boilers,	<u>69</u>	<u>316</u>	After peak tank,	<u>16</u>	<u>6</u>
Double bottom, if under Engines only,	<u>—</u>	<u>—</u>	Deep tank, aft,	<u>42</u>	<u>136</u>
Double bottom, if under Boilers only,	<u>—</u>	<u>—</u>	Deep tank, forward,		
Double bottom, forward,	<u>182.25</u>	<u>616</u>	Other tanks, if fitted, <u>Fresh water tank</u> <u>6</u>		<u>Free</u>
Total capacity of double bottom		<u>1297</u>	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules. Yes ☒

Order for Special Survey No. 63

Date 23rd June 1919.

No. 334 in builder's yard.

DATES OF SURVEYS held while building

1919. Nov. 13. 17. Dec. 3. 13. 19. 1920. Jan. 6. 7. 8. 12. 16. 21. 26. Feb. 3. 4. 5. 12. 13. 18. 20. 21. 23. 24. 27. March 1. 3. 4. 5. 6. 8. 10. 11. 13. 15. 16. 18. 19. 22. 24. 25. Apr. 6. 16. 17. 22. 24.

Surveyor's Signature

M. Crawford.

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Total No. of Visits 44

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