

With or Without Disconnected Erections.

STEEL STEAMER.

WED. 1-NOV. 1916
Received at London Office

Date of completion of report 3 Oct 1916
Survey held at Nagasaki

State if Report is also sent on the Machinery of the Vessel. *yes.*

Port of NAGASAKI.

No. 1086

Date, First Survey 23 Sept 1915

Last Survey 3 Oct 1916

On the (State if Single, Twin, or Triple Screw)

Twin S.S. "TSUYAMA MARU"

Rig Schooner

TONNAGE under

Tonnage Deck...

Do. between Tonnage Dk. and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop

Do. of R.Q.Dk.

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Open of

Engine Room

Gross Tonnage

Crew Space

above Crown of

Engine Room

AGE FOR FEES

Engine Room

Navigation Spaces

at Tanks

Net Tonnage

on Beam

CLASS 100A1

FEET.

Master J. Date

Year of appointment

(1) As Master in service of owner of present vessel—1912
(2) As Master of this vessel—1916

Built at Nagasaki

When built 1916

Launched 11 July 1916

By whom built Intubishi Dockyard & Eng. Wks.

Owners Nippon Yusen Kaisha

Managers

(Where necessary to be entered in Reg. Book.)

Residence Yokio

Port belonging to Yokio

Destined Voyage Manila

If Surveyed while Building, Afloat, or in Dry Dock Building

Length on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid
per Rule	445	0	Moulded	58	0	Top of Floors to top of Upper Dk. Beams	31	4 1/2	2
						Do. do. do. do. Second Dk. Beams	21	1 1/2	2

Moulded depth, ft. 42 ins. 0 To Bridge Dk. Round of Upper Dk. Beam, Actual 14 1/2 ins.
Moulded depth, ft. 34 ins. 0 To Upper Dk.

FRAMING.	Inches in Ship	Inches in Ship	Inches in Ship	Inches per Rule Or as Approved	Inches per Rule Or as Approved	Inches per Rule Or as Approved	PILLARS.	Inches in Ship	Inches in Ship	Inches in Ship	Inches per Rule Or as Approved	Inches per Rule Or as Approved
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NAME, 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	3	Row wide	3
Do. in peaks	8	3 1/2	46	8	3 1/2	46	" " Hold	3	"	3	"	3
Do. in way of 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.	18 1/2	3 1/2	48	8 1/2	3 1/2	48	" " in Hold	"	"	"	"	"

acing of Frames from centre to centre amidships	36			36			KEELSONS & STRINGERS.	Inches in Ship	Inches in Ship	Inches in Ship	Inches per Rule Or as Approved	Inches per Rule Or as Approved
" " " from 1/2 length to Collision bulkhead	27			27			CENTRE LINE KEELSON, Vertical Plate above					
" " " in peaks	24			24			floors, Through Plate, or Intercostal Plate					

VERSED FRAME, Angles	floor flange			floor flange			" Rider Plate					
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	44	3 1/2	3 1/2	44	" Flat Plate Keel Angles					
" " " at intermdt. Bkts.	8	3 1/2	46	8	3 1/2	46	" Horizontal Plates on Floors					

AMING, depth of girder	12			12			" Angles or Bulb Angles					
DOORS, depth and thickness of Floor Plate							SIDE KEELSONS, Number					
at mid-line for 1/2 length amidships	E 42 B 57			E 42 B 57			" Angles or Bulb Angles					

" in way of Engine and Boiler Spaces							" Plate above floors, for length					
" thickness at the ends of vessel	40			40			" Intercostal Plate, for length					
" depth at 1/2 the half breadth, as per Rule							" Attached to outside Plating with Angle					

" height extended at the Bilges							BILGE KEELSON, Angles					
DOORS in Cell. Double Bottoms	46	42		46	42		" Intercostal Plate for length					
" state if flanged (top & bottom)	40			40			" Attached to outside Plating with Angle					

" Spacing of Solid floors	72			72			3 Parting in 70' hold for peak	3	flange	3	flange	
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.	46	56		46	56		" SIDE STRINGERS, Number					
" Angles, Top	5	5	60	5	5	60	" Angle	5	flange	5	flange	

" " Bottom	5	5	60	5	5	60	" Intercostal Plate, for length	30	44	30	44		
" " to Floors	6	6	50	6	6	50	" Attached to outside plating with Angle	6	6	46	6	6	46
" Brackets at intermdt. frmg., wdth & thcknss	39	42		39	42		Upper Deck Stringer Plate, br'dth & thickness	66	70	66	70		

DE GIRDERS, number on each side & thickness	2	42		2	42		" " " " (clear of Bridge)	66	50	66	50		
" state if flanged (top and bottom)	40			40			" " " " (br'dth & thickness)	66	50	66	50		
" Angles (top and bottom)	3 1/2	3 1/2	44	3 1/2	3 1/2	44	" " " " (in way of Bridge)	5	5	72	5	5	72

" " to Floors	3	3	42	3	3	42	" " " " Angle (clear of Bridge)	5	5	72	5	5	72
MARGIN PLATE, depth (exclusive of flange)	38	54		38	54		" " Tie Plate at sides of Hatchways						
" and thickness	4	4	50	4	4	50	" Deck * Iron or Steel, for length	58	48	58	48		

" Angle to Outside Plating	6	3 1/2	44	6	3 1/2	44	" " Thickness (clear of Bridge)	58	48	58	48	
" " Floors	6	3 1/2	44	6	3 1/2	44	" " (in way of Bridge)	46	58	46	58	
" Brackets at intermdt. frmg., wdth & thcknss	48	42		48	42		" Wood Deck. Material & thickness					

" Height of Outside Brackets above at bilge	48			48			Second Deck Stringer Plate, br'dth & thickness	49	50	49	50	
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake	46	54		46	54		" Angles on ditto, No.	4	4	4	4	
" " in Engine and Boiler space	E 56 B 63			E 56 B 63			" Tie Plates outside Hatchways					

" " Remainder in Holds	48			48			" Deck * Iron or Steel, for length	40		40		
BEAMS, Upper Deck, Single Angle, Bulb	8	3	46	8	3	46	" Wood Deck. Material & thickness					
" Angle, Plate, Tee Bulb, or Channel	9	3	48	9	3	48	Third Deck Stringer Plate, br'dth & thickness					

" In way of Long Bridge	36			36			" Angles on ditto, No.					
" Spacing	36			36			" Tie Plates, outside Hatchways					
BEAMS, Second Deck, Single Angle, Bulb	9 1/2	3 1/2	50	9 1/2	3 1/2	50	" Deck * Material and thickness					

" Angle, Plate, Tee Bulb, or Channel	36			36			Fourth and Fifth Deck Stringer Plate, breadth & thickness					
" Spacing	36			36			" Angles on ditto, No.					
BEAMS, Third and Fourth Deck, Single Angle	7 1/2	3 1/2	50	7 1/2	3 1/2	50	" Tie Plates outside Hatchways					

" Bulb Angle, Plate, Tee Bulb, or Channel	36			36			" Deck. Material & thickness						
" Angles on upper edge	36			36			Poop Deck Stringer Plate, breadth & thickness	37	36	37	36		
" Spacing	36			36			" Angle on ditto	3 1/2	3 1/2	36	3 1/2	3 1/2	36

BEAMS, Poop Deck, Angle, Bulb Angle, Plate	7	3	44	7	3	44	" Tie Plates	10	36	10	36	
" Tee Bulb, or Channel	36			36			" Deck. Material and thickness D.P.	3		3		
" Angles on upper edge	36			36			Bridge Deck Stringer Plate, br'dth & thickness	60	58	60	58	

" Spacing	36			36			" Angle on ditto	5	5	64	5	5	64
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate	9	3	48	9	3	48	" Tie Plates						
" Tee Bulb, or Channel	36			36			" Deck. Material and thickness Steel H.S.	3	OP	46	3	OP	46

" Angles on upper edge	36			36			Forecastle Deck Stringer Plate, br'dth & th'kns	37	36	37	36		
" Spacing	36			36			" Angle on ditto	3 1/2	3 1/2	36	3 1/2	3 1/2	36
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate	7	3	40	7	3	40	" Tie Plates						

" Tee Bulb, or Channel	27	24		27	24		" Deck. Material and thickness Steel H.S.	2 1/2	OP	30	2 1/2	OP	30
" Angles on upper edge	27	24		27	24								
" Spacing	27	24		27	24								

Form No. 16. WEB FRAMES. FORGINGS or CASTINGS. BULKHEADS. COLLISION PARTITION LONGITUDINAL. PLATING. RIVETING. BUTTS. THICKNESS OF STRIKE. UPPER DECK STRINGER PLATE. SECOND DECK STRINGER PLATE. FRAMES. REVERSED FRAMES. MASTS, SPARS, &c. LOWER MASTS. BOWSPRIT. TOPMASTS, YARDS AND REMAINDER OF SPARS. RIGGING. SAILS.

EQUIPMENT No. 42657. 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 1 to fore peak & 1 down to. Windlass is Steam. Engine Room Skylights. Coal Bunker Openings. Number of Scuppers. Ceiling in Holds. Cargo Hatchways. State size No. 1 Hatch. Number of Web Plates. Bulwarks. Correspondence. Workmanship. General Remarks. This vessel has been built in accordance with the approved plans and in conformity with the Rules for the class contemplated. Plans forwarded: Section, Profile, St. Profile, Sheet up, Wash plate, Rudder, Brackets, Pillars, Casting Rpt. Sister vessel to "Lungu Main" Regt No 1069. The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built. The amount of Entry Fee. Special Survey Fee. Travelling Expenses. State whether the Vessel has been built under Special Survey. I am of opinion this Vessel should be Classed. With, or without Freeboard, as condition of Class. Committee's Minute. Character assigned. Lloyd's Register. 007324-007333-004632.

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 35 ft., R.Q.D. ✓ ft., Bridge 138 ft., Forecastle 34.75 (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 as should appear in the Register Book) 2 sk (S.C.).
 Official No. later; Signal Letters later. State if Machinery is fitted aft no.
 How are the surfaces preserved from oxidation? Inside N^o 4 tank Bit. except shell tank Outside Paint
top in Boiler room & Bunkers (Paint & paint otherwise)

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>132</u>	<u>374</u>	Fore peak tank,	<u>22</u>	<u>58</u>
Double bottom, under Engines and Boilers,	<u>72</u>	<u>320</u>	After peak tank,	<u>16</u>	<u>62</u>
Double bottom, if under Engines only,			Deep tank, aft,	<u>42</u>	<u>1361</u>
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	<u>188</u>	<u>644</u>	Other tanks, if fitted,		
	Total capacity of double bottom	<u>1338</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.

Date 30 March 1915

No. 281 in builder's yard.

DATES of Surveys held while building

1915
Sept. 23. Oct. 4. 15. 29. Nov. 13. 20. 22. 24. Dec. 27. Jan. 11. 19. 20. 24. 25. 29. 31. Feb. 3. 8. 10. 23.
24. 28. Mar. 3. 13. 15. 18. 25. 27. 29. 30. Apr. 6. 11. 12. 14. 25. May 3. 4. 9. 11. 13. 15. 18. 20. 24. 25. 26.
June 1. 2. 5. 7. 9. 10. 13. 14. 17. 22. 27. 30. July 1. 4. 8. 10. 11. 26. 27. Aug. 9. 30. Sept. 1.
9. 16. 21. 25. 26. 27. Oct. 3.

Total No. of Visits 77

Surveyor's Signature

G. D. Cisther

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