

With or Without
Disconnected Erections.

STEEL STEAMER.

Received at London Office WED. 19 JUL. 1916

Date of completion of report 22 June 1916
Survey held at Nagasaki

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

Port of **NAGASAKI.**

No. 1069.

Date, First Survey 17 June 1915

Last Survey 19 June 1916

1916

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

J.S.S. "TSURUGA MARU"

Rig *Schooner*

TONNAGE under	
Tonnage Deck...	
Do. between Tonnage Dk. and 3rd and 4th Dk.	
Total under Upper Dk.	6468.96
Do. of Poop	118.94
Do. of R.Q.Dk.	339.89
Do. of Bridge House	44.51
Do. of Forecastle	203.56
Do. of Hatches on Dk.	42.24
Do. of Hatchways	62.06
Do. above Crown of	7289.17
Engl. Room ..	340.84
Gross Tonnage	6886.27
Less Crew Space	2332.53
Less above Crown of	77.51
Engine Room ..	31.26
Navigation Spaces	4507.23
Peak Tanks	
Register Tonnage	
as per Beam ..	

CLASS + 100 A1.	FEET.
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	40940-0
Depth "d," at middle of length (See Secs. 2 & 13)	20-4 1/2
Proportions—Depths 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 *N. Shibata 1912*

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 8 Mar 1916

By whom built *Mitsubishi D. & E. Mks.*

Owners *Nippon Yusen Kaisha*

Managers *Do*
(Where necessary to be entered in Reg. Book.)

Residence *Tokio*

Port belonging to *Tokio*

Destined Voyage *London*

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

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

Dimensions of Ship per Register, Length 445 breadth 58 depth 34

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.
FRAME, Angles, or E or L Bars amidships	12	3 1/2	68	12	3 1/2	68
Do. in peaks	8	3 1/2	46	8	3 1/2	46
Do. in way of Double Bottoms at Solid Floors	4 1/2	3 1/2	44	4 1/2	3 1/2	44
" " at intermdt. Bkts.	8 1/2	3 1/2	48	8 1/2	3 1/2	48
Spacing of Frames from centre to centre amidships		36			36	
" " length to Collision bulkhead		27			27	
" " " in peaks		24			24	
REVERSED FRAME, Angles		36			36	
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	44	3 1/2	3 1/2	44
" " at intermdt. Bkts.	8	3 1/2	46	8	3 1/2	46
FRAMING, depth of girder		12			12	
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships		E 42	B 57		E 42	B 57
" in way of Engine and Boiler Spaces			40			40
" thickness at the ends of vessel						
" depth at 1/2 the half breadth, as per Rule						
" height extended at the Bilges						
FLOORS in Cell. Double Bottoms		46	42		46	42
" state if flanged (top & bottom)		Top.			Top.	
" Spacing of Solid floors		72			72	
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss.		46	56		46	56
" Angles, Top	5	5	60	5	5	60
" Bottom	5	5	60	5	5	60
" to Floors	6	6	50	6	6	50
Brackets at intermdt. frmng., wdth & thknss		39	42		39	42
SIDE GIRDERS, number on each side & thickness		2	42		2	42
" state if flanged (top and bottom)		Top.			Top.	
" Angles (top and bottom)	3 1/2	3 1/2	44	3 1/2	3 1/2	44
" to Floors	3	3	42	3	3	42
MARGIN PLATE, depth (exclusive of flange) and thickness		38	54		38	54
" Angle to Outside Plating	4	4	50	4	4	50
" Floors	6	3 1/2	44	6	3 1/2	44
Brackets at intermdt. frmng., wdth & thknss		48	42		48	42
Height of Outside Brackets above at bilge		48			48	
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake		46	54		46	54
" in Engine and Boiler space		E 56	B 63		E 56	B 63
" Remainder in Holds			48			48
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3	46	8	3	46
" In way of Long Bridge	9	3	48	9	3	48
" Spacing		36			36	
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9 1/2	3 1/2	50	9 1/2	3 1/2	50
" Spacing		36			36	
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						
" Angles on upper edge						
" Spacing						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	44	7	3	44
" Angles on upper edge						
" Spacing		36	48		36	48
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3	48	9	3	48
" Angles on upper edge						
" Spacing		36			36	
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	40	7	3	40
" Angles on upper edge						
" Spacing		27	24		27	24

PILLARS.	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, In 'tween Deck, size and spacing	3 Rows wide spread					
" " Hold	"	"	"	"	"	"
" Quarter 'tween Dks.,	"	"	"	"	"	"
" " in Hold	"	"	"	"	"	"
KEELSONS & STRINGERS.	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.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate						
" Rider Plate						
" Flat Plate Keel Angles						
" Horizontal Plates on Floors						
" Angles or Bulb Angles						
SIDE KEELSONS, Number						
" Angles or Bulb Angles						
" Plate above floors, for length						
" Intercoastal Plate, for length						
" Attached to outside Plating with Angle						
BILGE KEELSON, Angles						
" Intercoastal Plate for length						
" Attached to outside Plating with Angle						
SIDE STRINGERS, Number 3 spanning						
" Angle	5" flange		5" flange			
" Intercoastal Plate, for length	30	44	30	44		
" Attached to outside plating with Angle	6	6	46	6	6	46
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	66	70	66	70		
" " " " br'dth & thickness (in way of Bridge)	66	50	66	50		
" " " " Angle (clear of Bridge)	5 x 5	72	5 x 5	72		
" " Tie Plate at sides of Hatchways						
" Deck * Iron or Steel, for whole lng.	58	48	58	48		
" Thickness (clear of Bridge)	58	46	58	46		
" (in way of Bridge)						
" Wood Deck. Material & thickness	49	50	49	50		
Second Deck Stringer Plate, br'dth & thickness	4 x 4	50	4 x 4	50		
" Angles on ditto, No. 2						
" Tie Plates outside Hatchways		40		40		
" Deck * Iron or Steel, for whole lng.						
" Wood Deck. Material & thickness						
Third Deck Stringer Plate, br'dth & thickness						
" Angles on ditto, No.						
" Tie Plates, outside Hatchways						
" Deck * Material and thickness						
Fourth and Fifth Deck Stringer Plate, br'dth & thickness						
" Angles on ditto, No.						
" Tie Plates outside Hatchways						
" Deck. Material & thickness	37	36	37	36		
Poop Deck Stringer Plate, breadth & thickness	3 1/2 x 3 1/2	36	3 1/2 x 3 1/2	36		
" Angle on ditto	10	36	10	36		
" Tie Plates						
" Deck. Material and thickness 3" O.P.						
Bridge Deck Stringer Plate, br'dth & thickness	60	58	60	58		
" Angle on ditto	5 x 5	64	5 x 5	64		
" Tie Plates						
" Deck. Material and thickness 3" O.P.	37	36	37	36		
Forecastle Deck Stringer Plate, br'dth & thickness	3 1/2 x 3 1/2	36	3 1/2 x 3 1/2	36		
" Angle on ditto	2 1/2 x 2 1/2	30	2 1/2 x 2 1/2	30		
" Tie Plates						
" Deck. Material and thickness 3" O.P.						

* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

Form No. 1A.

The Survivors are requested not to write on or

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 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 as it should appear in the Register Book) 2 xhs (541)

Official No. 1000 ; Signal Letters 1000

State if Machinery is fitted aft No.

How are the surfaces preserved from oxidation? Inside Paint & Cement. N^o 4 tank except shell Outside Paint also bunkers & boiler tank top 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,	132	374	Fore peak tank,	22	58
Double bottom, under Engines and Boilers,	72	320	After peak tank,	16	62
Double bottom, if under Engines only,			Deep tank, aft,	42	1361
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	188	644	Other tanks, if fitted,		
Total capacity of double bottom		1334	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. 392

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

Order for Special Survey No.

Date 30 Mar 1915

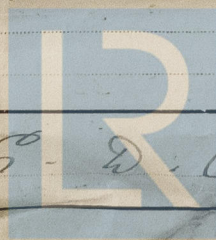
No. 250 in builder's yard.

Dates of Surveys held while building

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

Total No. of Visits 73

Surveyor's Signature



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