

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

3235

No. 2416

State of Report is also sent on the Machinery of the Vessel. *42*

Port of *Kobe* Date of completion of Report *5th June 1919* Received at London Office *1919*

Survey held at *Osaka* Date, First Survey *21st Dec. 1918* Last Survey *10th May 1919*

On the (State if Single, Twin, or Triple Screw) *Steel Single Scr. Steamer "Heijin Maru"* Rig *2 masts*

CLASS *+100 A1 Awning Deck* Master *K. Matsumoto.*

TONNAGE under Tonnage Deck... *3676.64* Breadth (greatest moulded) *49.83* Year of Appointment *1919*

Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk. *58.08* Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck *20.17*

Total under Upper Dk. *314.10* Deduct height of 'tween deck when this does not exceed 8ft. *70.00* Built at *Osaka*

Do. of Poop *62.18* Transverse Number *70.00* When built *1919* Launched *9th April 1919*

Do. of R. Qr. Dk. *112.36* Length on deck from fore part of stem to after part of sternpost *345.0* By whom built *The Osaka Iron Works, Ltd.*

Do. of Forecastle *44.44* Longitudinal Number *24150* Owners *Katsuda Kisen Kaisha*

Do. of Houses on Deck *95.90* Depth "d" at middle of length. See Secs. 2 & 13. *15.2* Managers *Kobe*

Do. of excess of Hatchways *4313.91* Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel *12.25* Residence *Kobe*

Do. above Crown of Engine Room *160.83* " " " Upper Deck at side to top of keel *9.54* Port belonging to *Shinhaman Iyo Province*

Gross Tonnage *1396.45* Destined Voyage *Building* If Surveyed while Building, Afloat, or in Dry Dock *Building*

Less Crew Space *49.58*

Less above Crown of Engine Room *38.17*

TONNAGE FOR FEES... *219.18*

Less Engine Room *219.18*

Less Navigation Spaces *219.18*

Ballast Tanks *219.18*

Register Tonnage *219.18*

LENGTH ON Deck as per Rule	Ft.	Ins.	BREADTH Moulded	Ft.	Ins.	DEPTH, ACTUAL Do.	Ft.	Ins.	No. of Decks with flat laid	No. of Tiers of Beams
345	0		49	10		28	17		2	2
Dimensions of Ship per Register.										
Length	345.0		Breadth	49.83		Depth	19.17		Round up of Uppermost Dk. Beam, Actual	12 ins.
FRAMING.						PILLARS.				
FRAME, Angles, or \square or \perp Bars, amidships						PILLARS, In 'tween Deck, size and spacing				
Do. in peaks						" " " " " " " "				
Do. in way of Double Bottoms at Solid Floors						" " " " " " " "				
" " " " " " " "						" " " " " " " "				
Spacing of Frames from centre to centre amidships						" " " " " " " "				
" length to collision bulkhead						" " " " " " " "				
" of Frames from centre to centre in peaks						" " " " " " " "				
REVERSED FRAME, Angles						KEELSONS AND STRINGERS.				
Do. in way of Double bottoms at Solid Floors						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate				
" " " " " " " "						" Rider Plate				
" " " " " " " "						" Flat Keel Plate Angles				
" " " " " " " "						" Horizontal Plates on Floors				
" " " " " " " "						" Angles or Bulb Angles				
FRAMING, depth of girder						SIDE KEELSONS, Number				
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships						" Angles or Bulb Angles				
" in way of Engine and Boiler spaces						" Plate above floors, for length				
" thickness at the ends of vessel						" Intercoastal Plate, for length				
" depth at $\frac{1}{2}$ the half-bdth. as per Rule						" Attached to outside plating with Angle				
" height extended at the Bilges						BILGE KEELSON, Angles				
LOORS, in Cell Double Bottoms						" Intercoastal Plate, for length				
" state if flanged (top and bottom)						" Attached to outside plating with Angle				
" spacing of Solid						SIDE STRINGERS, Number				
ENTRE GIRDER, in Dbl. bottom, dpth. & thcknss						" Angle				
" Angles, Top						" " Intercoastal Plate, for lng.				
" " Bottom						" Attached to outside plating with Angle				
" " to Floors						Awning or Shelter Deck Stringer Plates, breadth and thickness				
" Brackets at intermdt. frmg., width & thcknss						" Angle on ditto				
IDE GIRDERS, number and thickness						" Tie Plates, fore and aft, outside Hatchways				
" state if flanged (top & bottom)						" Deck * Iron or Steel, for <i>Steel whole lng.</i>				
" Angles						" Wood Deck, Material & thickness				
ARGIN PLATE, depth (exclusive of flange) and thickness						Upper Deck Stringer Plate, breadth and thickness				
" Angles to outside plating						" Angles on ditto, No. <i>One</i>				
" " to floors						" Tie Plates, outside Hatchways				
" Brackets at intermdt. frmg., width & thcknss						" Deck * Iron or Steel, for <i>whole lng.</i>				
" Height of Brackets above at bilge						" Wood Deck, Material & thickness				
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake						Second Deck Stringer Plates, br'dth & thckn's				
" " thickness in Engine and Boiler space						" Angles on ditto, No.				
" " Remainder in Holds						" Tie Plates, outside Hatchways				
EAMS, Awning or Shlir Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel						" Deck * Material and thickness				
" Spacing						Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness				
EAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel						" Angles on ditto, No.				
" Spacing						" Tie Plates, outside Hatchways				
EAMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel						" Deck, Material and thickness				
" Angles on upper edge						Poop Deck Stringer Plate, breadth & thickness				
" Spacing						" Angles on ditto				
EAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel						" Tie Plates				
" Angles on upper edge						" Deck, Material and thickness				
" Spacing						Bridge Deck Stringer Plate, br'dth & thickness				
EAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel						" Angle on ditto				
" Angles on upper edge						" Tie Plates				
" Spacing						" Deck, Material and thickness				
EAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel						Forecastle Deck Stringer Plate, br'dth & th'kns				
" Angles on upper edge						" Angle on ditto				
" Spacing						" Tie Plates				
						" Deck, Material and thickness				

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

Particulars of Longitudinal Framing

Frames in Br. tion Dks.]	Amid.	Ends.	Per Rule Amid	Per Rule Ends	Rivets Dia. Spac	Spacing on each Side to shell	Rivets in Bulk Number
Frames in Br. tion Dks.]	6.35.3 $\frac{1}{2}$.375 ✓		6.35.3 $\frac{1}{2}$.375		7/8 6 dia	6 dia	5 ✓
Truss from Aft wing DR. No. 1	" " " " ✓	Same at Ends.	" " " "		" "	" "	"
" " " " 2	" " " " ✓		" " " "		" "	" "	"
" " " " 3	" " " " ✓		" " " "		" "	" "	"
" " " " 4	7.313.3 $\frac{5}{16}$.40 ✓		7.313.3 $\frac{5}{16}$.40		" "	" "	6 ✓
" " " " 5	7.328.3 $\frac{5}{16}$.50 ✓		7.328.3 $\frac{5}{16}$.50		" "	" "	"
" " " " 6	10.378.3 $\frac{3}{8}$.43 ✓		10.378.3 $\frac{3}{8}$.43		" "	" "	7 ✓
" " " " 7	" " " " ✓		" " " "		" "	" "	"
" " " " 8	" " " " ✓		" " " "		5 dia 4 dia ✓	" "	8 ✓
" " " " 9	" " " " ✓		" " " "		" "	" "	"
Spacing of Frames	Amid. Ends.	30" ✓	30" ✓	30" ✓			
Double } Tank top long Bottoms } Bottom "	6.35.3 $\frac{1}{2}$.375 ✓ 7.313.3 $\frac{5}{16}$.40 ✓	Same as amid.	6.35.3 $\frac{1}{2}$.375 ✓ 7.313.3 $\frac{5}{16}$.40 ✓	Same as amid.	7/8 6 dia	5 dia ✓ 4 " ✓	
Spacing of Long { Amid. { Ends	30 ✓	30 ✓	30	30			
Transverses							
In Bridge } Depth & thick tween Dks. } Face angles Lugs to shell.	15.38 ✓ 4.3 $\frac{1}{2}$.44 ✓ 3 $\frac{1}{2}$.3 $\frac{1}{2}$.38 ✓	Same as amid	15.38 4.3 $\frac{1}{2}$.44 3 $\frac{1}{2}$.3 $\frac{1}{2}$.38	Same as amid.	Riv. in Lugs & shell dia. 3/8	7/8 4 $\frac{3}{8}$ ✓	
In Aft wing } Depth & thick tween Dks. } Face angles Lugs to shell	16.40 ✓ 8.3 $\frac{1}{2}$.46 ✓ 3 $\frac{1}{2}$.3 $\frac{1}{2}$.40 ✓	do	16.40 8.3 $\frac{1}{2}$.46 3 $\frac{1}{2}$.3 $\frac{1}{2}$.40	do		7/8 4 $\frac{3}{8}$ ✓	
In Hold. } Depth & thick Face angles Lugs to shell. Brackets	19.48 ✓ 8.3 $\frac{1}{2}$.68 ✓ 5.5.46 ✓	do	19.48 8.3 $\frac{1}{2}$.68 5.5.46	do		7/8 4 $\frac{3}{8}$ ✓	Double lugs for 4 spac above tank top, & 2 up deck in fore hold
Spacing of Trans. Frames	11 ft & as per profile		11 ft & as per profile				
Longitudinal } Br. Dk.] 6.313.3 $\frac{1}{2}$.375	Same as	6.313.3 $\frac{1}{2}$.375	Same	Spacing 36 about	In Ship Plat. diag. Plant	As app. Plant	LE
Beams } Aft. Dk.] " " " "	Same as	" " " "	Same	" "	Trans.	11.38 8.3 $\frac{1}{2}$.54	11.38 8.3 $\frac{1}{2}$
	Upper. Dk.] 7.313.3 $\frac{5}{16}$.40	Amid.	7.313.3 $\frac{5}{16}$.40	Amid.	43 " Beans	13.38 8.3 $\frac{1}{2}$.69	13.38 8.3 $\frac{1}{2}$
						13.40 8.3 $\frac{1}{2}$.68	13.40 8.3 $\frac{1}{2}$
						4 back bar	me plan

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 30 ft., R.Q.D. ft., Bridge 98 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) 1 DR (Steel) + Aft. DR (Steel)
Official No. 24961; Signal Letters RLMG State if Machinery is fitted aft No
How are the surfaces preserved from oxidation? Inside Cement & paint Outside Paint

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Cap. Tons.
Double bottom, aft,	104.5	336.04	Fore peak tank,		
Double bottom, under Engines and Boilers,	46.0	210.79	After peak tank,		114.5
Double bottom, if under Engines only,			Deep tank, aft,		28.5
Double bottom, if under Boilers only,			Deep tank, forward,	32.0	68.9
Double bottom, forward,	143.0	550.11	Other tanks, if fitted,		
Total capacity of double bottom		1096.94	(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

No. 959 in builder's yard.

DATES of Surveys held while building

21.24 Dec 1918 7.14.25.30 Jan. 6.8.15.20.24 Feb.
4.12.18.20.27 March. 1.9.22.23.25.28 Apr. 10 May 1919

Ten of the above visits were by Mr. Atken who left for home on 13 March.

Total No. of Visits 25

Surveyor's Signature

A. L. Jones

Lloyd's Register Foundation