

# With or Without Disconnected Erections.

## STEEL STEAMER.

Received at London Office MON 22 MAY 1916

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

Date of completion of report *12<sup>th</sup> April 1916* Port of *Kobe* No. *1779*  
 Survey held at *Osaka* Date, First Survey *26 August 1915* Last Survey *16<sup>th</sup> March 1916*  
 On the (State if Single, Twin, or Triple Screw) *Steel Single Screw Steamer Kotsu Maru* Rig *2 masts*

**TONNAGE under**  
**Tonnage Deck...**  
 Do. between Tonnage Dk. and 3rd and 4th Dk. *275.06*  
**Total under Upper Dk.** *275.06*  
 Do. of Poop *49.22*  
 Do. of R.Q.Dk. *175.51*  
 Do. of Bridge House *41.67*  
 Do. of Forecastle *43.66*  
 Do. of Houses on Dk. *73.07*  
 Do. of excess of Hatchways *68.66*  
 Do. above Crown of Engine Room *3185.85*  
**Gross Tonnage**  
 Less Crew Space  
 Less above Crown of Engine Room *1019.47*  
 Less above Crown of Forecastle *28.36*  
 Less above Crown of Houses *28.34*  
**Net Tonnage** *2001.01*

**CLASS** *+ 100 A1*  
**Breadth** (greatest moulded) *43.75*  
**Depth** at middle of length from top of keel to top of upper deck beams at side *24.25*  
**Transverse Number** *71.00*  
**Length** on deck from fore part of stem to after part of stern post *305.0*  
**Longitudinal Number** *21655*  
**Depth "d,"** at middle of length (See Secs. 2 & 13) *17.25*  
**Proportions**—Depths to Length—Upper Deck Beam at side to top of keel *11.2*  
 " " Long Bridge Deck Beam at side to top of keel *8.9*  
**Destined Voyage**

**Master** *T. Kasai*  
**Year of appointment** (1) As Master in service of owner of present vessel:—191  
 (2) As Master of this vessel:—191  
**Built at** *Osaka*  
**When built** *1916* **Launched** *4<sup>th</sup> March 1916*  
**By whom built** *The Osaka Iron Works, Ltd.*  
**Owners** *R. Hiroumi Shoji Kabushiki Kaisha*  
**Managers**  
 (Where necessary to be entered in Reg. Book.)  
**Residence** *Nishinomiza*  
**Port belonging to** *Nishinomiza*

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

Feet.	Inches.	Feet.	Inches.	Feet.	Inches.	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
305	0	43	9	24	11 3/4	17	5 3/4	2	2
Moulded depth, ft. 34 ins. 0		To Bridge Dk.		Round of Upper Dk. Beam, Actual		10 3/4 ins.			
Moulded depth, ft. 24 ins. 3		To Upper Dk.							

FRAMING.				PILLARS.			
AME, Angles, or C or L Bars amidships	Inches in Ship	Inches in Ship	Inches in Ship	PILLARS, In 'tween Deck, size and spacing	Inches in Ship	Inches in Ship	Inches in Ship
Do. in peaks <i>After peak L</i>	6 1/2	3 1/2	40	" Hold	12 1/2	12 1/2	12 1/2
Do. in way of Double Bottoms at Solid Floors				" Quarter 'tween Dks.,			
" " at intermdt. Bkts.				" in Hold			
acing of Frames from centre to centre amidships				KEELSONS & STRINGERS.			
" " from # 1				CENTRE LINE KEELSON, Vertical Plate above			
" " length to Collision bulkhead				floors, Through Plate, or Intercoastal Plate			
" " in peaks				Rider Plate			
<b>VERSED FRAME, Angles.</b>				" Flat Plate Keel Angles			
Do. in way of Double Bottoms at Solid Floors				" Horizontal Plates on Floors			
" " at intermdt. Bkts.				" Angles or Bulb Angles			
aming, depth of girder				<b>SIDE KEELSONS, Number</b>			
<b>DOORS, depth and thickness of Floor Plate</b>				" Angles or Bulb Angles			
at mid-line for 1/2 length amidships				" Plate above floors, for length			
" in way of Engine and Boiler Spaces				" Intercoastal Plate, for length			
" thickness at the ends of vessel				" Attached to outside Plating with Angle			
" depth at 1/2 the half breadth, as per Rule				<b>BILGE KEELSON, Angles</b>			
" height extended at the Bilges				" Intercoastal Plate for length			
<b>DOORS in Cell. Double Bottoms</b> <i>B.S. 44</i>				" Attached to outside Plating with Angle			
" state if flanged (top & bottom)				<b>SIDE STRINGERS, Number</b>			
" Spacing of Solid floors	42	48	48	" Angle			
<b>CENTRE GIRDER, in Dbl. bottom, dpth. &amp; thcknss.</b>	38	38	48	" Intercoastal Plate, for length			
" Angles, Top	3 1/2	3 1/2	44	" Attached to outside plating with Angle			
" " Bottom	4	4	56	<b>Upper Deck Stringer Plate, br'dth &amp; thickness</b>	49	30	52
" " to Floors <i>Single</i>	5	5	48	(clear of Bridge)	49	42	49
" Brackets at intermdt. frmg., width & thcknss				br'dth & thickness	4 1/2	4 1/2	34
<b>SIDE GIRDERS, number on each side &amp; thickness</b>	0	34	0	(in way of Bridge)	4 1/2	4 1/2	34
" state if flanged (top and bottom)	No			Angle (clear of Bridge)	3 1/2	3 1/2	38
" Angles (top and bottom)	3 1/2	3 1/2	36	" Tie Plate at sides of Hatchways	3 1/2	30	34
" " to Floors	3	3	34	Deck * Iron or Steel, for whole lng.	34	30	34
<b>MARGIN PLATE, depth (exclusive of flange)</b>	30	40	40	" Thickness (clear of Bridge)	34		34
and thickness	3 1/2	3 1/2	40	" (in way of Bridge)	34		34
" Angle to Outside Plating	3 1/2	3 1/2	40	Wood Deck, Material & thickness			
" " Floors <i>Double</i>	5	3 1/2	40	<b>Second Deck Stringer Plate, br'dth &amp; thickness</b>	52	34	52
" Brackets at intermdt. frmg., width & thcknss	3 1/2	3 1/2	36	" Angles on ditto, No. 1	3 1/2	3 1/2	40
Height of Outside Brackets above at bilge				" Tie Plates outside Hatchways			
<b>INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake</b>	38	44	38	Deck * Iron or Steel, for whole lng.	34		34
" " in Engine and Boiler space	28	44	32	Wood Deck, Material & thickness			
" " Remainder in Holds		36	36	<b>Third Deck Stringer Plate, br'dth &amp; thickness</b>			
<b>BEAMS, Upper Deck, Single Angle, Bulb</b>				" Angles on ditto, No.			
Angle, Plate, Tee Bulb, or Channel				" Tie Plates, outside Hatchways			
" In way of Long Bridge				Deck * Material and thickness			
" Spacing				<b>Fourth and Fifth Deck Stringer Plate, breadth &amp; thickness</b>			
<b>BEAMS, Second Deck, Single Angle, Bulb</b>				" Angles on ditto, No.			
Angle, Plate, Tee Bulb, or Channel				" Tie Plates outside Hatchways			
" Spacing				Deck, Material & thickness			
<b>BEAMS, Third and Fourth Deck, Single Angle, Bulb</b>				<b>Poop Deck Stringer Plate, breadth &amp; thickness</b>	30	32	30
Angle, Plate, Tee Bulb, or Channel				" Angle on ditto	3	3	32
" Angles on upper edge				" Tie Plates			
" Spacing				Deck, Material and thickness	25		25
<b>BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel</b>	5 1/2	3	34	<b>Bridge Deck Stringer Plate, br'dth &amp; thickness</b>	45	48	45
" Angles on upper edge				" Angle on ditto	4 1/2	4 1/2	54
" Spacing	24		24	" Tie Plates			
<b>BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel</b>				Deck, Material and thickness	30		30
" Angles on upper edge				<b>Forecastle Deck Stringer Plate, br'dth &amp; th'kns</b>	30	32	30
" Spacing				" Angle on ditto	3	3	32
<b>BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel</b>				" Tie Plates			
" Angles on upper edge				Deck, Material and thickness	3 O.P.		3 O.P.
" Spacing							

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



Longitudinal framing as approved & fitted

Framing 7	Amidships	Ends	Rivets in frames Dia   Spacing	Spacing no. Each side trans & Bhd	Rivets in brackets to bulkheads.	
Frames in Bridge & Icol.	6 x 3½ x 40	6 x 3½ x 36	7/8	5¼	5 5/8	5 rivets 7/8 dia
" from upper dk. No 1.	6 x 3½ x 40	6 x 3½ x 36	"	"	"	" " "
" " " No. 2	6 x 3½ x 40	6 x 3½ x 36	"	"	"	" " "
" " " No. 3	7 x 3½ x 40	7 x 3½ x 36	"	"	"	6 " "
" " " No. 4	7½ x 3½ x 40	7½ x 3½ x 40	"	4¾ - 5¼	4 3/8	" " "
" " " No. 5	8½ x 3½ x 40	8½ x 3½ x 40	"	"	"	7 " "
" " " No. 6	9 x 3½ x 44	8½ x 3½ x 44	"	3½ - 5¼	3½	" " "
" " " No. 7	9 x 3½ x 50	9 x 3½ x 46	"	3½ - 4¾	"	8 " "
" " " No. 8	9½ x 3½ x 56	9½ x 3½ x 52	"	"	"	" " "
" " " No. 9	7 x 3½ x 40	7 x 3½ x 36	"	5¼	"	6 " "
" " " No. 10	7 x 3½ x 40	7 x 3½ x 36	"	"	"	" " "

Drace	Tan & top longit	7 x 3 x 40	7 x 3 x 36	Spacing of longitudinals amidships 30"
bottoms	Bottom	7 1/2 x 3 1/2 x 40	7 x 3 x 40	at ends 30"

Longitudinal Bridge & Icol.	6 x 3 x 36	5 1/2 x 3 x 36	Spaced 36"	Transverse beams	11" x 36 plate	7 x 3 1/2 x 48 B.A.
Beams Upper deck.	6 1/2 x 6 x 3 x 40	6 1/2 x 3 x 36	39 x 30		12" x 38 "	8 x 3 1/2 x 60 "
of 2 Second deck.	7 1/2 x 7 x 3 x 40	7 x 3 x 36	48 x 42		12" x 38 "	9 x 3 1/2 x 58 "

Transverses	Amid	Ends	Rivets in lugs to shell.
In Bridge	Depth & thickness 14 x 38		
between dks	Face angles 7 7/8 x 3 1/2 x 48		7/8 @ 5 diams
	Lugs to shell 3 1/2 x 3 1/2 x 38		
Upper tween	Depth & thickness 16 x 38	Same as amid	
deck.	Face angles 7 8 x 3 1/2 x 64	" " "	
	Lugs to shell 3 1/2 x 3 1/2 x 40	" " "	7/8 @ 5 diams
In holds.	Depth & thickness 23 x 48 x 24, 27, 28, 29		
	Face angles 7 6 x 6 x 46	Same as amid	
	Lugs to shell 9 x 3 1/2 x 38 x 40	"	7/8 at 5 diams
	Brackets at tank margin 3 1/2 (flanged) 3" at up. Wdg		

Double lugs for 4 frame spaces above bridge, & to 3<sup>rd</sup> deck in No. 1. hold.

Spacing of transverses 12 ft. & as per profile. Lugs to shell are joggled.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 19 ft., R.Q.D. ft., Bridge 82 ft., Forecastle 32 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 Dks (Steel)  
Official No. 18942 ; Signal Letters MWSG 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,	84.5	134.0	Fore peak tank,	14.4	76.
Double bottom, under Engines and Boilers,	32.5	91.0	After peak tank,	8.0	20.
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	138.0	293.5	Other tanks, if fitted, FW tanks aft end E. Run		
	Total capacity of double bottom	518.5	(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 29 April 1915

No. 865 in builder's yard.

DATES OF SURVEYS held while building

Aug 26 Sept 2<sup>nd</sup> 15<sup>th</sup> 22<sup>nd</sup> Oct 5<sup>th</sup> 14<sup>th</sup> 17<sup>th</sup> 20<sup>th</sup> 29<sup>th</sup> Nov 19<sup>th</sup> 26<sup>th</sup> 29<sup>th</sup> Dec 6<sup>th</sup> 22<sup>nd</sup> 25<sup>th</sup> 28<sup>th</sup> 30<sup>th</sup>  
Jany. 14<sup>th</sup> 15<sup>th</sup> Feb 3<sup>rd</sup> 9<sup>th</sup> 11<sup>th</sup> 18<sup>th</sup> 24<sup>th</sup> March 8<sup>th</sup> 15<sup>th</sup> 1916.

Surveyor's Signature

Arthur L. Jones

© 2020

Total No. of Visits 26

Lloyd's Register Foundation