

EXT 17/32  
24 OCT 1916  
Lloyd's Register of Shipping.  
SURVEYS FOR FREEBOARD.—STEAM SHIPS. No. 1867

Particulars relating to all steam ships either flush decked, or with  
allant forecastles, short poops and bridge houses disconnected, or  
top gallant forecastles having long poops, or raised quarter decks  
connected with bridge houses, or otherwise.

Port of Survey *Osaka*  
Date of Survey *29<sup>th</sup> August 1916*  
Name of Surveyor *A. L. Jones*

Ship's Name *Nishima Maru* Port of Registry *Osaka* Official Number *1902-11*  
Gross Tonnage *2170<sup>68</sup>/<sub>100</sub>* Date of Build *1916-9* Particulars of Classification *Not classed 100A1*  
Register Book *New* *Japanese Homing*

LENGTH. *272.0* BREADTH. *40.8* DEPTH. *24.16M* UNDER DECK TONNAGE. *1902.11*  
*21.62 to tank top*  
Frame Depth *9.2* Ceiling *fitted* Peak  
Rule *5.9* Sheer *drop 2* Tanks  
*1.75* *24.5* *+ .16*  
*1.75* *- .75*  
*1.75* *- .75*  
*272.0* *39.45* *21.5* *1902*

Business *818*  
Necessary *- 0.18 DB.*  
Corrected *82.79*

*61* *84*  $\div 2 = 43\frac{1}{2}$  Mean  
Stem *34.2* Sternpost *13*  $\{ 47\frac{1}{2} \div 2 = 23\frac{3}{4}$  Mean  
Sheer *43.18* *23.34*  
Sheer [Table, Para. 18] *37.2* Correction *5.5*  
Difference *6.0*  $\div 4 = -1\frac{1}{2}$   
Para. 18 (f) *5.98*

At front of bridge house *Normal*  
At after end of forecastle *Normal*  
*2*  $\div 2 = 1$   
*69* Correction *+1/2*

ALLOWANCE FOR DECK ERECTIONS:—  
Table C *2' 3<sup>3</sup>/<sub>4</sub>*  
Length, if required (Para. 12, 13, and 14) *3*  
Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) *4' 11"*  
*2' 8"*  
*19.245*

R. Q. Dk. if engine and boiler openings not by bridge house (Para. 11) *6.2*  
Deck Erections *- 6<sup>1</sup>/<sub>4</sub>*  
Length. *34.0* Length allowed. *34* Height. *7' 6"*  
*50.0* *50.0* *7' 6"*

*84.0*  $\div 272.0 = .309$   
percentage *19.545*

D recommended amidships from centre of Disc to top of Statutory Deck Line, *Wood* (Iron) Deck:—  
Fresh Water Line above centre of Disc *4<sup>1</sup>/<sub>2</sub>*  
Indian Summer Line *3<sup>1</sup>/<sub>2</sub>*  
Winter Line below *3<sup>1</sup>/<sub>2</sub>*  
Winter North Atlantic Line *3<sup>1</sup>/<sub>2</sub>*

Moulded Depth as measured *24' 2"*  
*less for wood in less etc.*  
*23' 10<sup>1</sup>/<sub>2</sub>"*

CORRECTION FOR LENGTH.  
Length of Ship on Loadline *272*  
Length in Table *286.5*  
Difference *14.5*  
Correction for 10ft., Table A. *1.3* Table C. *6*  
 $\times$  Difference divided by 10 *1.8285* (if required.) *84.87*  
If  $\frac{1}{10}$ ths length covered divide by 2 *- 1<sup>3</sup>/<sub>4</sub>*

CORRECTION FOR IRON DECK.  
Proportion covered, if less than  $\frac{1}{10}$ ths length covered *M.D.*  
Thickness of usual wood deck, less stringer *allowed in mld. depth.*

CORRECTION FOR ROUND OF BEAM.  
Breadth at Gunwale amidships *38*  
Round of Beam *10*  
Normal round *9<sup>1</sup>/<sub>2</sub>*  
Difference  $\frac{1}{2} \div 2 = \frac{1}{4}$   
Proportion of Deck uncovered (Para. 19) *69*  $-\frac{1}{4}$

Freeboard, Table A *5' 2<sup>1</sup>/<sub>4</sub>*  
Correction for Sheer *- 1<sup>1</sup>/<sub>2</sub>*  
*5' 0<sup>3</sup>/<sub>4</sub>*  
Correction for Length *- 1<sup>3</sup>/<sub>4</sub>*  
*4' 11"*  
Allowance for Deck Erections *- 6<sup>1</sup>/<sub>4</sub>*  
*4' 4<sup>3</sup>/<sub>4</sub>*  
Correction for Round of Beam *- 1/4*  
*4' 4<sup>1</sup>/<sub>2</sub>*  
Correction for fall in Sheer (if any) *+ 1/2*  
*4' 5"*  
Correction for Iron Deck (if required) *M.D.*  
Additions for non-compliance with provisions of Para. 11 (d) and (e)  $\frac{1}{2}$   
Other Corrections (if any) *?*

Winter Freeboard *4' 5"*  
Summer Freeboard *4' 1<sup>1</sup>/<sub>2</sub>"*  
Indian Summer Freeboard *3' 10"*  
N. A. Winter Freeboard *4' 7"*  
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wood~~ or iron deck with side. *+ 1<sup>1</sup>/<sub>2</sub>*

Winter Freeboard from deck line *4' 6<sup>1</sup>/<sub>2</sub>"*  
Summer " " " *4' 3"*  
Indian Summer " " " *3' 11<sup>1</sup>/<sub>2</sub>"*  
N. A. Winter " " " *4' 8<sup>1</sup>/<sub>2</sub>"*

State dimensions of freeing port area on back of this form.  
The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, also the usual load draft forward and aft should be reported.

MARKING FORM  
3 - DEC 1923  
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side planking, or ceiling are of unusual thickness the breadth of vessel to inside should be reported if possible.  
When an allowance for deck erections under Para. 11 where the sheer drops abaft amidships of the R.Q.D. is to be taken from the level of the top of the amidship beam.  
Vessels the total standard mean sheer means the sheer measured at the stem and stern-ends having poops and forecastles, it means the sheer measured at points distant from the vessel's length from stem and stern-post.



Do all the Frames extend to the top height in the Poop? *Onlv. only* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*  
 To what height do the Reverse Frames extend? *B.A. framing. Rev frms in A.P. all to d.R. & in fore after. fore*  
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*  
 Give particulars of the means for closing the openings in Bulkhead *✓*  
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *✓* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*  
 Give particulars of the means for closing the openings in Bulkhead *2 W.T. hinged steel doors.*  
 What is the thickness of the Bridge Front plating? *.36* and Coaming plate? *.40*  
 Give scantlings and spacing of the Stiffeners *3x7.50 B.A. spaced 30"*  
 Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*  
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*  
 How are the openings closed? *Hinged double doors practically W.T.*  
 Is the Forecastle at least as high as the main or top-gallant rail? *Yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *Yes steel*  
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Br. ho.*  
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *✓*  
 Give thickness of plating; scantlings and spacing of Stiffeners  
 What is the height of the exposed Casings? Are suitable means provided for closing all openings in them in bad weather?  
 Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:— *Yes*

Position and Size.	No. 1. 28' 0" x 15' 0"		No. 2. 36' 0" x 15' 0"		No. 3. 34' 0" x 15' 0"		No. 4. 26' 0" x 15' 0"			
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	36	24	36	24	36	24	36	24		
Thickness {	Sides.....	.50	.44	.50	.44	.50	.44	.50	.44	
	Ends.....	.44	.44	.44	.44	.44	.44	.44	.44	
SHIFTING BEAMS OR WEB PLATES.	Number.....	3	3	4	4	4	4	3	3	
	Section and Scantlings.....	42-37x.44	14x.34	42-37x.44	42-37x.44	42-37x.44	42-37x.44	42-37x.44	42-37x.44	
	Material.....	3x3x.44	3x3x.42	3x3x.44	3x3x.44	3x3x.44	3x3x.44	3x3x.44	3x3x.44	
* FORE AND AFTERS.	Number.....	3	3	3	3	3	3	3	3	
	Section and Scantlings.....	8 1/2 x 7 1/2	6 3/4 x 7	8 1/2 x 7 1/2	6 3/4 x 7	8 1/2 x 7 1/2	6 3/4 x 7	8 1/2 x 7 1/2	6 3/4 x 7	
	Material.....	7 1/2 x 6 1/2	6 3/4 x 6 1/2	7 1/2 x 6 1/2	6 3/4 x 6 1/2	7 1/2 x 6 1/2	6 3/4 x 6 1/2	7 1/2 x 6 1/2	6 3/4 x 6 1/2	
HATCHES Thickness	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	
Remarks.....										

\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.  
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake? \_\_\_\_\_ Strake between Main and Bridge Sheerstrakes? \_\_\_\_\_

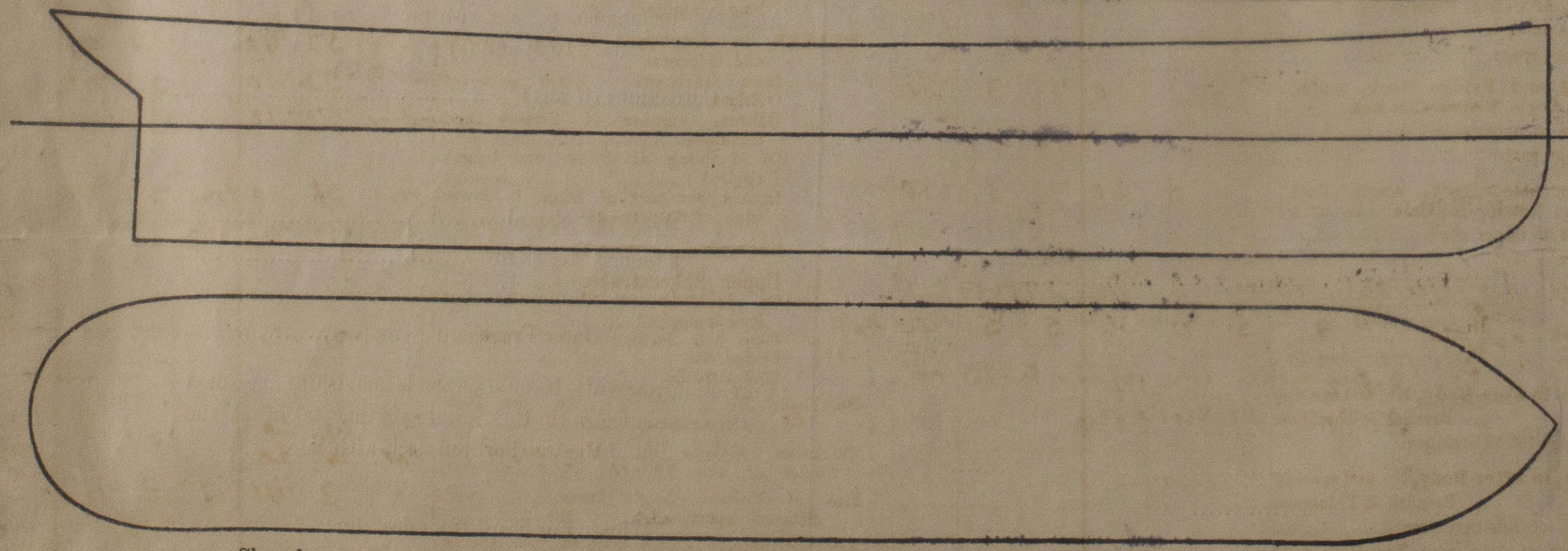
Delete the words { The Crew are, are not, berthed in the bridge house.  
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well

Area of Freeing Ports required by Para. 11 (e) each side of vessel = \_\_\_\_\_ Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.	Freeing Ports (each side of vessel)	=	Sq. ft.
x	x	x	x				
x	x	x	x				

Total deficiency or excess = \_\_\_\_\_ Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel. *Had D form for comparison of scantlings is enclosed herewith. Also plans (blue prints) of Mid. Sec. Profile & decks Bulkheads, General Arrangement. A form of request for fit assignment*  
 Owners *Matsuda Risen Sonoi Raisha*  
 Address *Robe*

Fee *500.00*  
 Expenses *10.00*  
 Received by me *13/9/16*