

SECT

Index No. 30111

Lloyd's Register of Shipping

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Rpt. No 3188

Port of Survey **KOBE**
Date of Survey **15th FEB^y. 1921.**
Name of Surveyor **L. James Preston**

Yunagata Hull. N^o 43.

Ship's Name *SIN-AI MARU*

Port of Registry
and Nationality.

Official
Number.

Gross
Tonnage.

Date of Build.

Particulars of Classification.

"SHINAI MARU"

Kobu
~~FUSHINOMIYO~~
JAPANESE

27478

3793.57.

1921.

✠ 100.A.I. CONTEMPLATED.

Registered Dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	345.00	50.00 <i>50.2 extra</i>	26.70	3441.92
Length on LOADLINE.	345.00	Frame Depth 10 Rule " 6 4	Ceiling +20 Sheer +42.5 5" DROP IN TANK +20	Peak } Tanks } <i>included.</i>
CORRECTED DIMENSIONS.	345.00	- .66 - 49.34	27.52.5	3441.92

Moulded Depth as measured.....29.1

Addition for Keel below base line
for draught record.....92.....inches.

NOTE. — If the depth is measured when vessel is afloat, the details of measurement should be reported

Co-efficient of fineness..... **763** 73
 Any modification necessary { **- 02 C.O.B.**
 [Para. 4 (a) to (e)]* }
 Co-efficient as corrected **741**

CORRECTION FOR LENGTH

Length of Ship on Loadline..... 345 ✓
 Length in Table 349 ✓
 Difference 4 ✓
 Correction for 10ft., Table A. 1.5 ✓
 × Difference divided by 10 0.6 ✓
 If $\frac{6}{10}$ ths length covered divide by 2 - $\frac{1}{2}$ ✓

Table C. 72 ✓
 (if required.) 29 ✓
 - $\frac{1}{4}$ ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{7}{16}$ this length covered $.437^8$
 Thickness of usual wood deck, less stringer $3\frac{1}{2} \times .437^8 = 1\frac{1}{2}$ -

CORRECTION FOR ROUND OF BEAM.

NOTE. — The round of beam should be reported on the full breadth of vessel at the gunwale.

eer { Stem..... $83\frac{3}{4}$ } $125\frac{1}{2} \div 2 = 62\frac{3}{4}$...Mean
 it { Sternpost ... $41\frac{3}{4}$ }
 eer at $\frac{1}{3}$ of the length from { Stem $45\frac{3}{4}$ } $66\frac{3}{4} \div 2 = 33\frac{3}{8}$...Mean
 { Sternpost 21 } $\div .55 = 60.68$
 adual mean Sheer 60.50 68
 undard mean Sheer [Table, Para. 18] 44.50 ✓
 Difference..... 16.00 18
 [f limited as Para. 18 (f)
 Correction " 4.04 "
 - 4 "

Breadth at Gunwale amidships.....	48.00	-				round of should be
Round of Beam	$12\frac{1}{2}$	-				ed on th
Normal round.....	12	-				breadth of
Difference	$\frac{1}{2}$	-				at the gunw
			$\div 2 =$	$\frac{1}{4}$		
Proportion of Deck uncovered (Para. 19)	56%				$\cdot 14$	$-\frac{1}{4}"$

rise in Sheer	{	At front of bridge house.....	✓
on amidships			
Para. 18 (e)]	{	At after end of forecastle	✓

fall in Sheer	{		
Para. 18 (d)			
		$\div 2 =$	✓
length uncovered			

Correction

Freeboard, Table A	7'-0" 6'-11 $\frac{1}{4}$ "
Correction for Sheer	4" 7 $\frac{1}{4}$ "
Correction for Length	$\frac{1}{2}$" 6'-8 $\frac{3}{8}$ " 6 $\frac{3}{4}$ "
Allowance for Deck Erections	9$\frac{1}{8}$" 5'-11 $\frac{1}{8}$ " 9 $\frac{3}{4}$ "
Correction for Round of Beam.....	$\frac{1}{4}$" 5'-10 $\frac{1}{8}$ " 9 $\frac{1}{2}$ "
Correction for fall in Sheer (if any).....	1$\frac{1}{2}$" 5'-9 $\frac{3}{8}$ " 8"
Correction for Iron Deck (if required)	1$\frac{1}{2}$" 5'-9 $\frac{3}{8}$ " 8"
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	✓
Other Corrections (if any)	✓

ALLOWANCE FOR DECK ERECTIONS:—

on board, Table C..... $3'-10\frac{1}{8}"$

allowance for Length, if required (Para. 12, 13, and 14)

on board by Table A. corrected for sheer, and for length, }
if required (Para. 12, 13, and 14) }

allowance $2'-2\frac{1}{4}"$

percentage as below..... $27\frac{1}{2}\%$

~~— 02 — 94"~~

905

Winter Freeboard	5' - 3 ⁸ "
Summer Freeboard $5\frac{1}{4}"$	5' - 4 ² $\frac{3}{4}"$
Indian Summer Freeboard	4' - 10 ⁹ $\frac{1}{2}"$
N. A. Winter Freeboard	4' - 10' 9 1/2"

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.

+ $1\frac{1}{4}"$

ection for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)			
vance for Deck Erections			
	Length	Length allowed.	Height.
castle.....	40-52	40.45 ✓	
ge House	77-4	77.33 ✓	
ised Qr. Dk.....	33-32	33.29 ✓	
Total		151.07 ✓	
th of Ship		345.00 ✓	437.8

Winter Freeboard from deck line	5'-11 ¹ / ₈ " 9 ¹ / ₈ "
Summer " " " "	5'-6 ³ / ₈ " 4'
Indian Summer " " " "	5'-4 0 ⁵ / ₈ " 11'
N. A. Winter " " " "	

sponding percentage }
 ara. ~~11, 12, 13, or 14~~ } 27.26%

BOARD recommended amidships from centre of Disc to top of Statutory

Fresh Water Line	above	centre of Disc
Indian Summer Line	"	"
Winter Line	below	"
Winter North Atlantic Line	"	"

Line, Wood (Iron) Deck :— ... 5'-4½" ...

... 6" ...

... 5½" ...

... 5" ...

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post. In vessels having poop and stern-post, the sheer measured at the stem and stern-post, the sheer assumed at points distant

† 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 position, time of survey, and also the usual load draft forward and aft should be reported.

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Do all the Frames extend to the top height in the Poop? *yes* Raised Quarter Deck? *✓* Bridge House? *yes* Forecastle? *yes*
 To what height do the Reverse Frames extend? *Channel frames.*
 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 *Steel Hinged Watertight doors.*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *no* Has the Bridge House an efficient Bulkhead at the fore end? *yes*
 Give particulars of the means for closing the openings in Bulkhead *Steel Hinged Watertight doors*
 What is the thickness of the Bridge Front plating? *.40* and Coaming plate? *.44*
 Give scantlings and spacing of the Stiffeners *9" x 3 1/2" x .48 B.A. SPACED 30" APART.*
 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? *Storm Boards in Channels.*
 Is the Forecastle at least as high as the main or top-gallant rail? *yes* Has the Forecastle an efficient ~~Iron or Wood~~ *STEEL* Bulk'd. at after end? *yes*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Enclosed in Bridge Houses.*
 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? *yes*
 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 HATCH 27'-6" x 18'-0"		No. 2 33'-0" x 18'-0"		No. 3 30'-3" x 18'-0"		No. 4 27'-6" x 18'-0"			
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	24"	24"	24"	24"	24"	24"	24"	24"		
Thickness { Sides.....	.44	.44	.44	.44	.44	.44	.44	.44	<i>7" x 3 1/2" x .38 fitted to Side and End Coaming.</i>	
Ends.....	.44	.44	.44	.44	.44	.44	.44	.44		
SHIFTING BEAMS OR WEB PLATES. Number	5	5	7	7	6	6	5	5		
Section and Scantlings	15" x .36	15" x .36	15" x .36	15" x .36	15" x .36	15" x .36	15" x .36	15" x .36		
Material	<i>Steel</i> 3 1/2" x 3 1/2" x 7/16	4 x 3 x .44	3 1/2" x 3 1/2" x 7/16	4 x 3 x .44	3 1/2" x 3 1/2" x 7/16	4 x 3 x .44	3 1/2" x 3 1/2" x 7/16	4 x 3 x .44		
* FORE AND AFTERS. Number										
Section and Scantlings	✓		✓		✓		✓			
Material										
HATCHES Thickness	3"	3"	3"	3"	3"	3"	3"	3"		
Remarks.....	<i>good</i>		<i>good</i>		<i>good</i>		<i>good.</i>			

* 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? *.40* Strake between Main and Bridge Sheerstrakes? *.40*

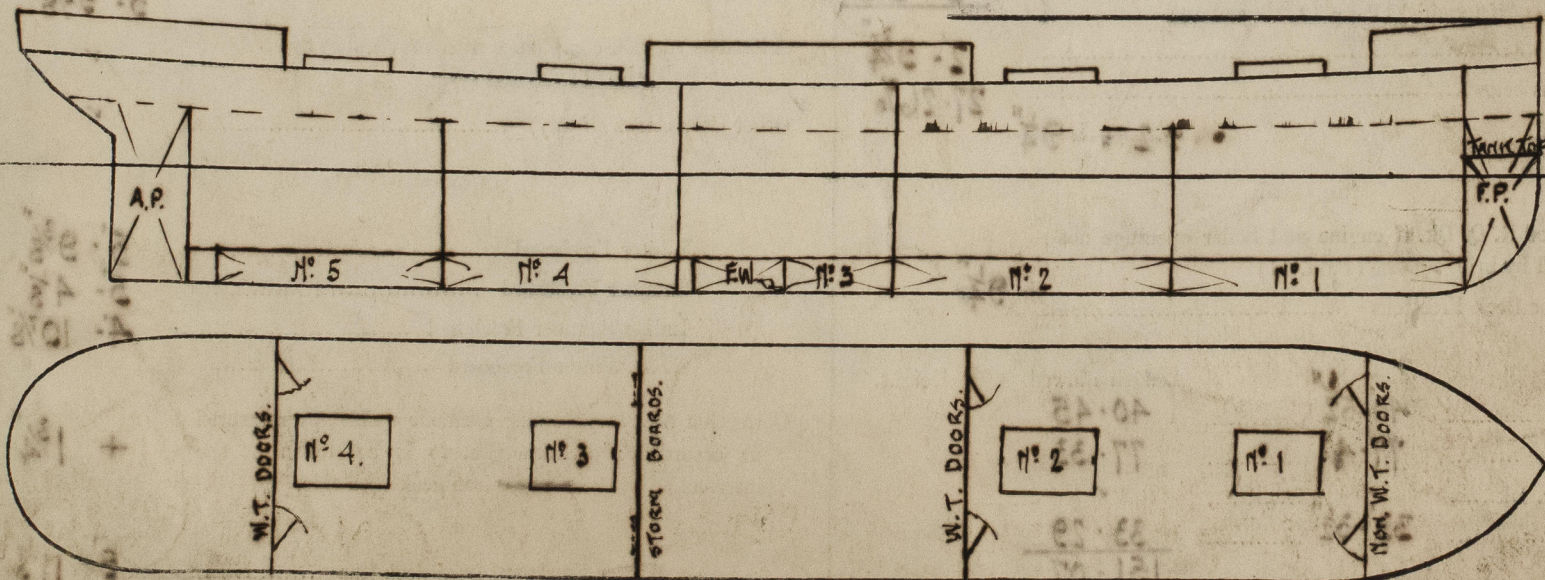
Delete the words { The Crew ~~are not~~, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well

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

Ft. Tenth.	Ft. Tenth.	No.	Freeing Ports (each side of vessel)	=	Sq. ft.
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 *The Freeboard as recommended has been marked on the Vessel. Copy of Provisional Certificate is attached.*

Owners *Kishimoto Kisen Kaishiki Kaisha*

Address *Osaka*

Fee *¥150.00*

Received by me



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Foundation