

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Yamashima
 Date of Survey 14th May 1918
 Name of Surveyor R. Balcheto

KOTOHIRA MARU
 Ship's Name Taibu Maru
 Number in Register Book
 Port of Registry and Nationality Amagasaki Japanese
 Official Number
 Gross Tonnage 6100.89
 Date of Build 1918
 Particulars of Classification +100 A1. Recommended.

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>407.25</u>	<u>51.04</u>	<u>30.02</u>	<u>5183.44</u>
Length on LOADLINE.	<u>407.25</u>	Frame Depth <u>9 1/2</u> Rule <u>6</u> Sheer <u>84</u>	Ceiling <u>fted</u> Peak <u>84</u>	Tanks
CORRECTED DIMENSIONS.	<u>407.25</u>	<u>50.46</u>	<u>30.98</u>	<u>5183.44</u>

Moulded Depth as measured..... 32' 7"
 Addition for Keel below base line for draught record..... inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>407.25</u>
Length in Table	<u>391.00</u>
Difference	<u>16.25</u>
Correction for 10ft., Table A.	<u>1.6</u> Table C. <u>.8</u>
× Difference divided by 10	<u>2.6</u> (if required.) <u>1.3</u>
If 1/10ths length covered divide by 2	<u>+ 2 1/2</u> <u>+ 1 1/4</u>

Co-efficient of fineness..... .81
 Any modification necessary [Para. 4 (a) to (e)]* -.02 DB
 Co-efficient as corrected79

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	<u>.547</u>
Thickness of usual wood deck, less stringer	<u>3 1/2 - 2"</u>

Sheer { Stem..... 114 } 165 ÷ 2 = 82 1/2 ... Mean
 at { Sternpost ... 51 }
 Sheer at 1/3 of the length from { Stem 62 } ÷ 2 = 44 1/2 ... Mean
 { Sternpost 27 }
 Gradual mean Sheer 80.9 ÷ .55 = 80.9
 Standard mean Sheer [Table, Para. 18] 50.7 Correction
 Difference..... 30.2 ÷ 4 = -7 1/2
 § If limited as Para. 18 (f).....

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>49</u>
Round of Beam	<u>12 3/4</u>
Normal round.....	<u>12 1/4</u>
Difference	<u>1/2</u> ÷ 2 = <u>1/4"</u>
Proportion of Deck uncovered (Para. 19)	<u>.453</u>

Rise in Sheer { At front of bridge house..... }
 from amidships { Para. 18 (e) } { At after end of forecastle }
 ¶ Fall in Sheer { Para. 18 (d) } ÷ 2 =
 Length uncovered Correction

Freeboard, Table A	<u>8' 9"</u>
Correction for Sheer	<u>-7 1/2"</u>
Correction for Length	<u>8' 1 1/2"</u>
Allowance for Deck Erections	<u>+2 1/2"</u>
Correction for Round of Beam.....	<u>8' 4"</u>
Correction for fall in Sheer (if any).....	<u>-11 1/2"</u>
Correction for Iron Deck (if required)	<u>7' 4 1/2"</u>

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	<u>5' 6 1/4"</u>
Correction for Length, if required (Para. 12, 13, and 14)	<u>+1 1/4"</u>
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) }	<u>5' 7 1/2"</u>
Difference	<u>8' 4"</u>
Percentage as below.....	<u>2' 8 1/2"</u>
	<u>35.76</u>

Other Corrections (if any)	
Winter Freeboard	<u>7' 2 1/2"</u>
Summer Freeboard	<u>6' 8 1/2"</u>
Indian Summer Freeboard	<u>6' 2 1/2"</u>
N. A. Winter Freeboard	
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.	<u>1 3/4"</u>

	Length.	Length allowed.	Height.
Forecastle.....	<u>45' 9"</u>	<u>45.75</u>	<u>9.9</u>
Bridge House	<u>137' 3"</u>	<u>137.25</u>	
† Raised Qr. Dk.....			
Poop.....	<u>39' 9"</u>	<u>39.75</u>	
Total		<u>222.75</u>	<u>.547</u>
Length of Ship		<u>407.25</u>	
Corresponding percentage (Para. 12, 13, or 14) }		<u>35.76</u>	

Winter Freeboard from deck line	<u>7' 4 1/4"</u>
Summer " " " "	<u>6' 10 1/4"</u>
Indian Summer " " " "	<u>6' 4 1/4"</u>
N. A. Winter " " " "	
Freeboard, Table A	<u>6' 10"</u>
Correction for Sheer	<u>6 1/2"</u>
Correction for Length	<u>6"</u>
Allowance for Deck Erections	<u>6"</u>

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—

Fresh Water Line above centre of Disc	<u>6 1/2"</u>
Indian Summer Line " " " "	<u>6"</u>
Winter Line below " " " "	<u>6"</u>
Winter-North Atlantic Line " " " "	

© If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
 † In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.
 § In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one eighth of the vessel's length from stem and sternpost.

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? *Upper deck and alternately to forecastle deck*
 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 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 W.T. doors.*
 What is the thickness of the Bridge Front plating? *.40* and Coaming plate? *.44*
 Give scantlings and spacing of the Stiffeners *8x3 1/2 x .64 B.A. 27" x 30" Spacing*
 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? *Steel hinged doors.*
 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.*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck or enclosed by a Strong Iron or Steel Deckhouse? *Bridge house.*
 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. 27'-0" x 20'-0"		No. 2. 31'-6" x 20'-0"		No. 3. 18'-0" x 18'-0"		No. 4. 11'-3" x 18'-0"		Nos 5+6. Same as No. 1.	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	36.	36.	36.	36.	24 (as sides vessel)	24	36.	36.	
	Thickness	Sides.....	.50	.50	.50	.50	.50	.50	.50	
		Ends.....	.40	.40	.40	.40	.40	.40	.40	.40
SHIFTING BEAMS OR WEB PLATES.	Number.....	5	5	6	6	3	3	1	1	5
	Section and Scantlings.....	16 1/2 x .34	16 1/2 x .34	16 1/2 x .34	16 1/2 x .34	15 x .34	15 x .34	15 x .34	15 x .34	16 1/2 x .34
	Material.....	4x3x.44 4 angles.	4x3x.44 4 angles	4x3x.44 4 angles	4x3x.44 4 angles	4x3x.44 4 angles	4x3x.44 4 angles	4x3x.44 4 angles	4x3x.44 4 angles	4x3x.44 4 angles
* FORE AND AFTERS.	Number.....									
	Section and Scantlings.....									
	Material.....									
HATCHES Thickness.....	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"
Remarks.....	Sonde B.A's 9x3 1/2 x .625 on side coamings and single B.A's 7x3x.40 on ends.									

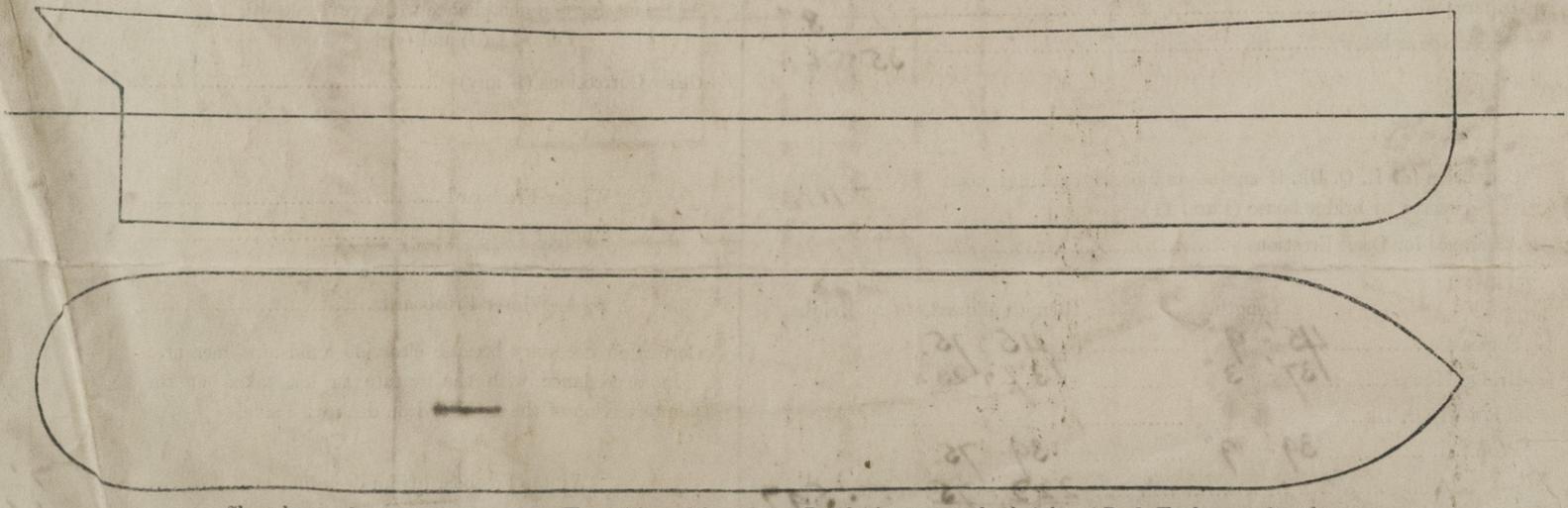
* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge 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		
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 freeboards assigned have been marked on the vessels' sides and a verification report is enclosed.

Owners
 Address
 Fee *160.00.*

Received by me *6th June 1918*

