

Lloyd's Register of British & Foreign Shipping

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

MON. JUN. 28. 1915

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 Kobe
Date of Survey May 1915
Name of Surveyor A. L. Jones

Nawasaki Dryd No 374
Ship's Name. Hawaii Maru
Number in Register Book _____
Port of Registry and Nationality. Osaka Japanese
Official Number. _____
Gross Tonnage. _____
Date of Build. 1915
Particulars of Classification. + 100 A1 Shelter deck with 2bd Contemplated

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>475.0</u>	<u>61.0</u>	<u>30.04</u>	<u>6882 updr</u>
Length on LOADLINE.	<u>474.33</u>	Frame Depth <u>12</u> Rule <u>11</u> <u>7 1/2</u> <u>- 8"</u>	Ceiling <u>+ 2 1/2</u> Sheer <u>✓</u>	Peak Tanks
CORRECTED DIMENSIONS.	<u>474.33</u>	<u>60.3</u>	<u>30.24</u> <u>to oku ar = 8832</u> <u>38.32</u>	<u>6882</u>

Moulded Depth as measured..... 32' 8"
33-10 1/2
3-11 1/2
29-11
 To shelter AR 40' 9"

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

Co-efficient of fineness..... .80
 Any modification necessary [Para. 4 (a) to (e)]* } -02 013
 Co-efficient as corrected78

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 474.33
 Length in Table 476.00
 Difference 1.7
 Correction for 10ft., Table A. 1.7 Table C.
 × Difference divided by 10289 (if required.)
 If 1/10ths length covered divide by 2 -1/4

Sheer { Stem..... 108" } 165 ÷ 2 = 82 1/2 ...Mean 57 1/2
 at { Sternpost ... 54" }
 Sheer at 1/3 of the length from { Stem 54 1/2 } 88 ÷ 2 = 44 ...Mean
 Sternpost 30 1/2 }
 Gradual mean Sheer 82 1/2 80
 Standard mean Sheer [Table, Para. 18] 57 1/2 Correction
 Difference..... 25 ÷ 4 = -6 1/4
 § If limited as Para. 18 (f).....

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered ✓
 Thickness of usual wood deck, less stringer

Rise in Sheer from amidships [Para. 18 (e)] { At front of bridge house..... 5 1/2
 At after end of forecastle 67 3/4

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 58
 Round of Beam 14 1/2
 Normal round..... 14 1/2
 Difference ✓ ÷ 2 = ✓
 Proportion of Deck uncovered (Para. 19)

¶ Fall in Sheer [Para. 18 (d)] } ✓ ÷ 2 =
 Length uncovered Correction ✓

Freeboard, Table A B 13 3
 Correction for Sheer ✓
 Correction for Length 12 23 1/4
 Allowance for Deck Erections -5 1/4
 Correction for Round of Beam..... ✓ 12 -9
 Correction for fall in Sheer (if any)..... ✓
 Correction for Iron Deck (if required) ✓
 Additions for non-compliance with provisions of {
 Para. 11 (d) and (e) † }
 Other Corrections (if any) -2/3 of 4 cen height of main deck -8 3/4

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C..... 8' - 7 1/2"
 Correction for Length, if required (Para. 12, 13, and 14) - 1 1/4
8 - 5 3/4
 Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 11 - 1 1/4
 Difference 2 - 7 1/2
 Percentage as below..... 18
 Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
 Allowance for Deck Erections - 5 3/4

Winter Freeboard 12 : 0 1/4
 Summer Freeboard 11 : 5 1/4
 Indian Summer Freeboard 10 : 10 1/4
 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.

Winter Freeboard from deck line
 Summer " " "
 Indian Summer " " "
 N. A. Winter " " "

	Length.	Length allowed.	Height.
Forecastle.....	<u>44' 10"</u>	<u>44.8</u>	<u>7' 9"</u>
Bridge House	<u>30' 0"</u>	<u>30.0</u>	<u>8' 0"</u>
† Raised Qr. Dk.....			
Poop.....	<u>33' 0"</u>	<u>33.0</u>	<u>7' 9"</u>
Total		<u>107.8</u>	
Length of Ship		<u>375.0</u>	<u>287</u>
Corresponding percentage (Para. 11, 12, 13, or 14) }	<u>18</u>	<u>474.33</u>	

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

Fresh Water Line above centre of Disc
 Indian Summer Line " " "
 Winter Line below " "
 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 stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant one eighth of the vessel's length from stem and stern-post.

† 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, and also the usual load draft forward and aft should be reported.

Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Main frame to up. & 2nd dks alt. & 2nd dks alt. from to shel. dks. to up. & 1st dks alt. in poop to up. & shel dks alt.*
 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 *Stripped steel w.t. 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 *Stripped steel w.t. 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 3 1/2" x .50 [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? *Stripped wood 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? *Steel deck 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*
Coaming hatch way 6'0" x 20'0"
Coaming 30" Sides 36 Ends 36

Position and Size.	(1) 26'3" x 18'0"		(2) 32'9" x 20'0"		(3) 18'0" x 20'0"		(5) 30'0" x 20'0"		(6) 21'0" x 18'0"	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Height above top of DECK	30"	18"	30"	18"	30"	18"	30"	18"	30"	18"
COAMING Thickness	Sides	.44	.44	.54	.44	.44	.50	.50	.44	.44
	Ends	.40	.40	.40	.40	.40	.40	.40	.40	.40
SHIFTING BEAMS OR WEB PLATES	Number	3	3	5	5	3	3	5	5	3
	Section and Scantlings	26-21 x 34	23-18 x 34	28-23 x 40	28-23 x 40	22-17 x 40	20-16 x 40	25-20 x 40	23-18 x 40	26-21 x 34
	Material	5. 3 1/2 x .50 bot flange bot	4. 3 x .40	5. 3 1/2 x .50 bot 6" flange bot	4 x 3 x .40	4. 3 x .40 top 6" flange bot	4 x 3 x .40	4 x 3 x .40 top 6" flange bot	4 x 3 x .40	5. 3 1/2 x .50 top 6" flange bot
* FORE AND AFTERS	Number	-	-	-	-	-	-	-	-	-
	Section and Scantlings	-	-	-	-	-	-	-	-	-
	Material	-	-	-	-	-	-	-	-	-
HATCHES Thickness	3	3	3	3	3	3	3	3	3	
Remarks										

* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.

(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.)

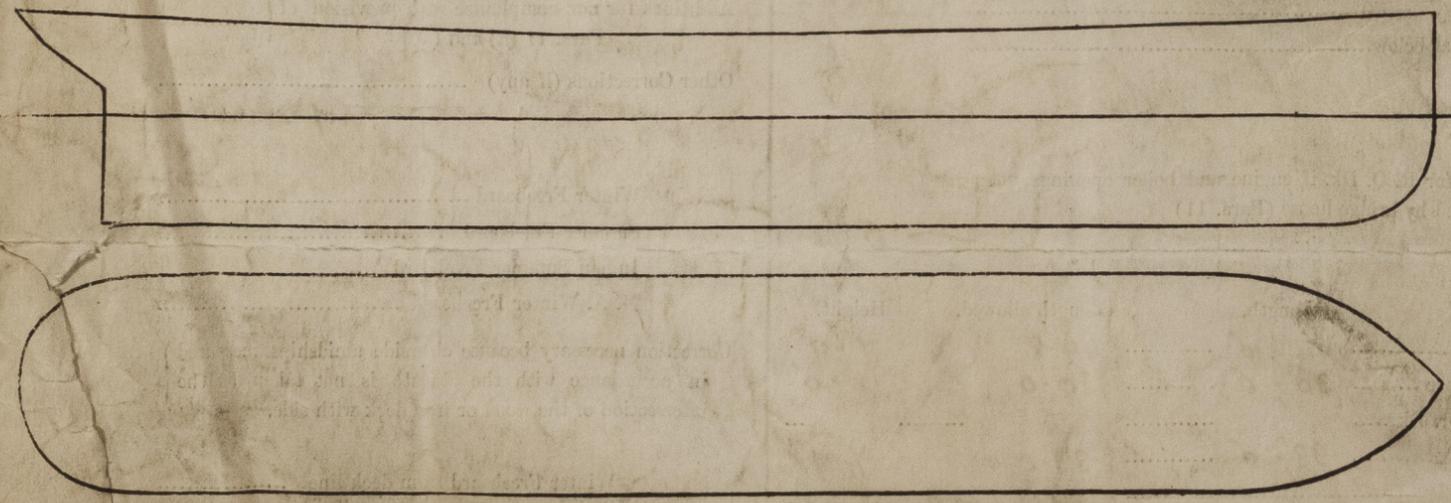
The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

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)	=	
x x			Sq. ft.
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 _____

Owners _____
 Address _____
 Fee £ _____

Received by me _____

