

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*

Kawasaki 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.
	<i>475.0</i>	<i>61.0</i>	<i>30.04</i>	<i>6882 updr</i>
Length on LOADLINE.	<i>474.33</i>	Frame Depth <i>12</i> Rule <i>11</i> <i>7 1/2</i> <i>- 8"</i>	Ceiling <i>+ 2 1/2</i> Sheer <i>✓</i>	Peak Tanks
CORRECTED DIMENSIONS.	<i>474.33</i>	<i>60.3</i>	<i>30.24</i> <i>to sheer 8832</i> <i>38.32</i>	<i>6882</i>

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.

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 10 *289* (if required.)
 If 1/10ths length covered divide by 2 *- 1/4*

CORRECTION FOR IRON DECK.

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

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)

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

Co-efficient of fineness..... *.80*
 Any modification necessary {
 [Para. 4 (a) to (e)]* }
 Co-efficient as corrected *.78*

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*
 Standard mean Sheer [Table, Para. 18] *57 1/2* Correction
 Difference..... *25* ÷ 4 = *-6 1/4*
 § If limited as Para. 18 (f).....

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

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

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C..... *8' 7 1/2"*
 Correction for Length, if required (Para. 12, 13, and 14) *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*

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

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.

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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? *Main frame to up. & 2nd dks. alt. & wing 4th from to shel. dks. to up. & feet 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 *Hinged 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 *Hinged 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? *Hinged 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* *Coaling hatch way 6'0" x 30'0"*
Coaming 30" Sides 36 Ends 36

Position and Size.	(1) 26'3" x 18'0"		(2) 32'9" x 20'0"		(3 & 4) 18'0" x 20'0"		(5) 30'0" x 20'0"		(6) 21'0" x 18'0"	
Item.	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	.54	.44	.44	.50	.50	.44	.44
Ends	.40	.40	.40	.40	.40	.40	.40	.40	.40	.40
SHIFTING BEAMS OR WEB PLATES {										
Number	3	3	5	5	3	3	5	5	3	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	23-16 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	4 x 3 x .40
* FORE AND AFTERS {										
Number	-	-	-	-	-	-	-	-	-	-
Section and Scantlings	-	-	-	-	-	-	-	-	-	-
Material	-	-	-	-	-	-	-	-	-	-
HATCHES Thickness	3	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? _____

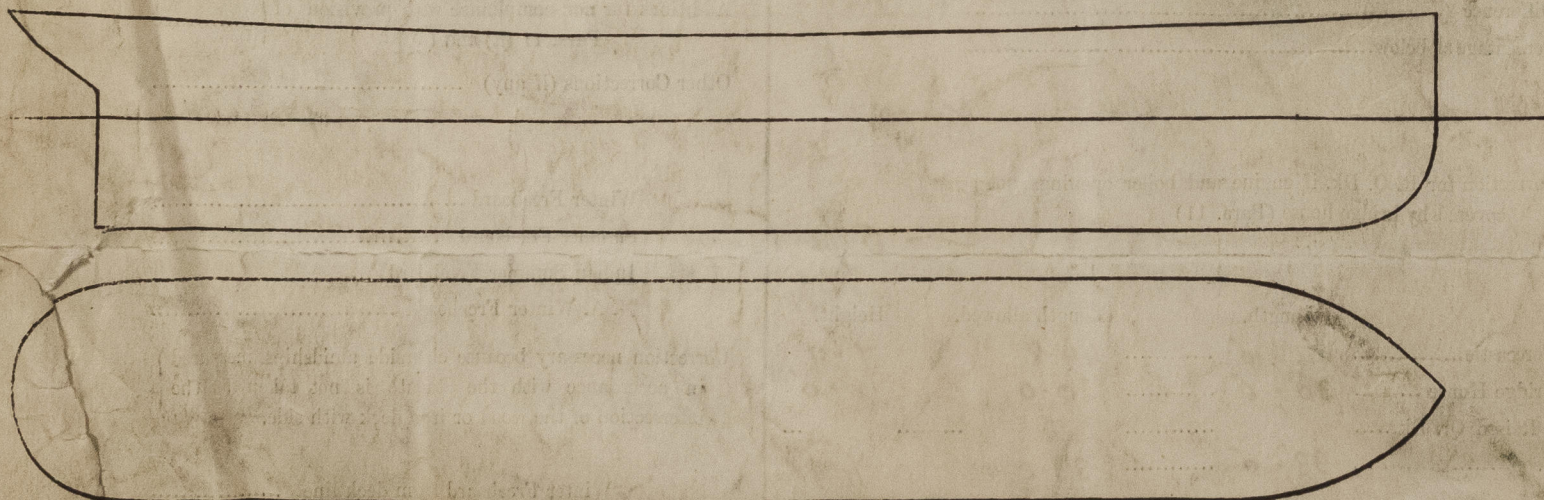
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

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)	=	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 _____

Owners _____

Address _____

Fee £ _____

Received by me _____



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