SAT. JAN. 30. 1915

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Rpt. 11b.

Ch. Potter

24116

D180

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.–STEAM SHIPS.

*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: 22nd Dec 1914
Name of Surveyor: A. L. Jones

Kawasaki Dkyard No 371

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
Harbin Maru Number in Register Book 20 Sup.	Osaka Japanese		5600 approx	1914	+ 100 A1. Shelter Dk with fbd intended

	Length.	Breadth.	Depth.	Under Deck Tonnage.
Registered Dimensions from Ship's Register.	400.0	50.2 50.0	to top of tank 19.625	4093.88
Tonnage Dim.	= 410.6	48.45	27.15	
Length on Loadline.	399.66	Frame Depth 9 Rule " 6 3 2.3 = .5	Ceiling + .20 Sheer + .58 Dep. to tank 27.62	Peak Tanks
Corrected Dimensions.	399.66	49.7	28.40	4093.88

Moulded Depth as measured .... 30' 0"
Main dk 32' 0"

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

Co-efficient of fineness .... .72
Any modification necessary [Para. 4 (a) to (e)]* } .02 Cu DB
Co-efficient as corrected ...... .70

Sheer at {Stem .... 96" / Sternpost ... 48} 144 ÷ 2 = 72 ...Mean

Sheer at ⅛ of the length from {Stem 53 / Sternpost 25} 78 ÷ 2 = 39 ...Mean

Gradual mean Sheer 70.9

Standard mean Sheer [Table, Para. 18] .... 49.96 Correction

Difference .... 20.94 ÷ 4 = -5¼

§ If limited as Para. 18 (f) ....

Rise in Sheer from amidships [Para. 18 (e)] { At front of bridge house .... 12" / At after end of forecastle .... 55" }

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

Allowance for Deck Erections :—

Freeboard, Table C .... 4' 2"
Correction for Length, if required (Para. 12, 13, and 14) 3¼
4' 5¼

Freeboard by Table A. corrected for sheer, and for length, if required (Para. ~~12~~, 13, ~~and 14~~) } 7' 3¾

Difference .... 2' 10½

Percentage as below .... ~~25.8~~ % 25.95 %

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } ~~-8¾~~

Allowance for Deck Erections .... -9

	Length.		Length allowed.	Height.
Forecastle	46' 4"		46.33	7' 6"
Bridge House	169 5½ str		126.58	8' 0"
† Raised Qr. Dk.	126 7 port			
Poop				
Total			172.91	
Length of Ship			399.66	= .4326

Corresponding percentage (Para. ~~11~~, ~~12~~, 13, ~~or 14~~) } ~~25.8~~ 25.95 %

Correction for Length.

Length of Ship on Loadline 399.66
Length in Table 360.00
Difference 39.66
Correction for 10ft., Table A. ...... 1.5 — Table C. .8
× Difference divided by 10 .... 5.94 (if required.) 3.17
If $\frac{6}{10}$ths length covered divide by 2 — +6 — +3¼

Correction for Iron Deck.

Proportion covered, if less than $\frac{7}{10}$ths length covered ..... .43
Thickness of usual wood deck, less stringer .... 3½ — -¼
3" Sheathing fitted

Correction for Round of Beam.

Breadth at Gunwale amidships 50
Round of Beam 12½
Normal round 12½
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.

Freeboard, Table A .... 7' 3"
Correction for Sheer .... -5¼
6' 9¾
Correction for Length .... +6
7' 3¾
Allowance for Deck Erections .... -9
6' 6¾
Correction for Round of Beam ....
Correction for fall in Sheer (if any) ....
Correction for 3" Sheathing on Iron Deck (if required) .... ¼
6' 6½"
Additions for non-compliance with provisions of Para. 11 (d) and (e) ‡ } ....
Other Corrections (if any) ....

Winter Freeboard .... 6' 6½
Summer Freeboard .... 6' 1½
Indian Summer Freeboard .... 5' 8½
~~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. } 2"

Winter Freeboard from deck line .... 6' 8½
Summer " " " " .... 6' 3½
Indian Summer " " " .... 5' 10½
~~N. A. Winter~~ " " " " ....

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (~~Iron~~) Deck :— ... ... 6' 3½

Fresh Water Line above centre of Disc 6
Indian Summer Line " " " 5
Winter Line below " " 5
~~Winter North Atlantic Line~~ " " " ... ...

2·2·15

W1322-0083

* 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.

2m,7,13 T.

Lrs B of T 30/1/15

RECEIVED 20/1/15

P.T.O.

Do all the Frames extend to the top height in the Poop? ✓ Raised Quarter Deck? ✓ Bridge House? Yes Forecastle? Yes

To what height do the Reverse Frames extend? B.A. main frames all to Shelter dk & altern. to feel dk. All angle frames in Br. Dk

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? ✓

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 Hinged W. T. door

What is the thickness of the Bridge Front plating? ·40 and Coaming plate? ·44

Give scantlings and spacing of the Stiffeners 8 × 3½ × 3½ × ·52 Channels 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 wooden 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? Iron B H

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? Bridge & Steel deck ho on bridge

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. 16'·4" × 14'·0"		No 2. 24'·6" × 16'·0"		No 3. 16'·4" × 16'·0"		No 4. 16'·4" × 14'·6"			
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		
Coaming. Thickness Sides	·44	·44	·46	·46	·44	·44	·44	·44		
Coaming. Thickness Ends	·40	·40	·40	·40	·40	·40	·40	·40		
Shifting Beams or Web Plates. Number	3	3	5	5	3	3	3	3		
Shifting Beams or Web Plates. Section and Scantlings	14-11 × ·34	14-11 × ·34	16-13 × ·34	16-13 × ·34	16-13 × ·34	16-13 × ·34	14-11 × ·34	14-11 × ·34		
Shifting Beams or Web Plates. Material	Ls 3 · 3 · ·40 Steel	3 × 3 × ·40 Steel	3 · 3 · ·40 Steel	3 · 3 × ·40 Steel	3 × 3 × ·40 Steel	3 · 3 · ·40 Steel	3 × 3 × ·40 Steel	3 · 3 · ·40 Steel		
* Fore and Afters. Number	✓	–	–	–	–	–	–	–		
* Fore and Afters. Section and Scantlings										
* Fore and Afters. Material										
Hatches Thickness	3"	2½	3"	2½	3"	2½	3"	2½		
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?

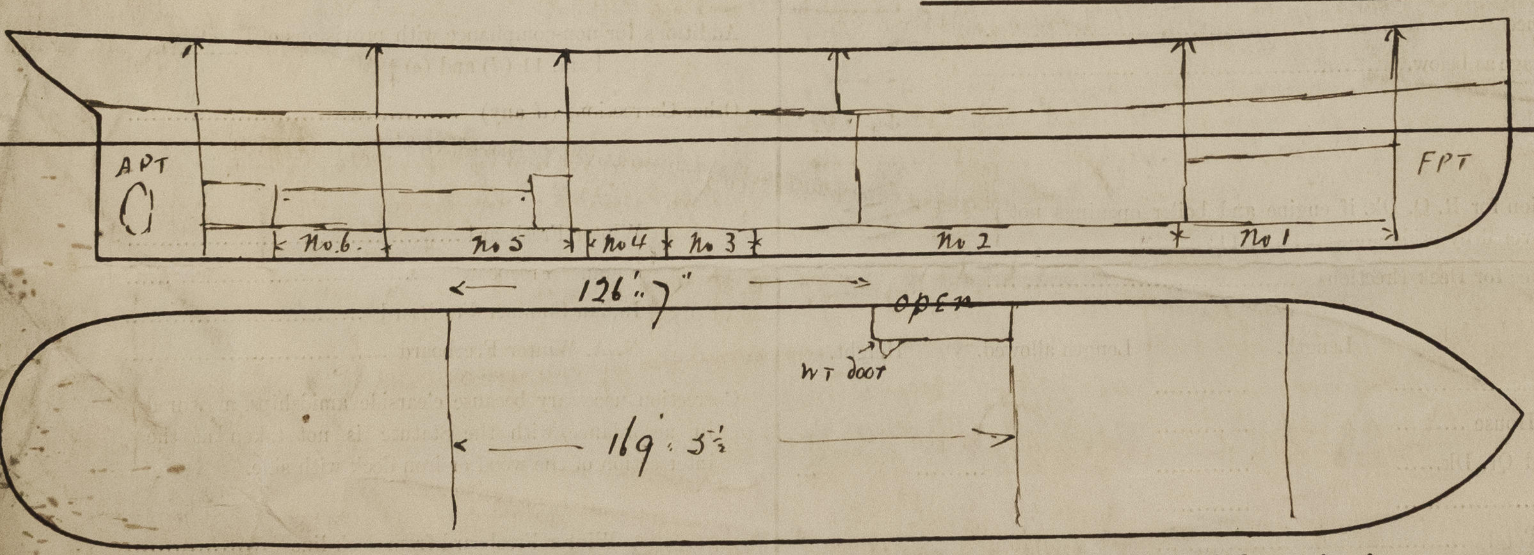
Delete the words that do not apply { The Crew *are*, *are not*, berthed in the bridge house. The arrangements to enable them to get backwards and forwards from their quarters *are*, *are not* satisfactory.

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.
		×			×		

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 Freeboard was provisionally assigned in Lon. letter 31st July 1913 Under deck Tonnage being 4094 instead of 4000 & depth tank top to shelter deck 27'·7½ instead of 27'·7" as before returned. makes a slight difference in the freeboard by the tables.

Owners The request for assignment of freeboard is enclosed

„ Address

Fee £ : : *Received by me*