

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

TUES. 21 JAN 1908

N^o 383

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 NagasakiDate of Survey 26 Dec. 1907Name of Surveyor G. D. Aitken

Ship's Name. KAMO MARU
 Port of Registry and Nationality. Tokyo Japan
 Official Number. —
 Gross Tonnage. 8628
 Date of Build. 1908
 Particulars of Classification. 100A1. S.D. Rule contemplated

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage.
Length on Loadline	<u>464.25</u>	<u>56.22</u>	<u>31.54</u>	<u>6873.06</u>
		Frame Depth $11\frac{1}{2}$ Rule " 7	Ceiling <u>Pittsburg</u> Sheer <u>34</u>	Peak includes Tanks includes
		<u>— 9"</u>	<u>31.88</u>	<u>6873.06</u>
CORRECTED DIMENSIONS.	<u>464.25</u>	<u>55.47</u>	<u>31.88</u>	<u>6873.06</u>

Moulded Depth as measured..... 34'-6"
~~34'-6"~~
36'-5"

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..... 464.25
 Length in Table 413.50
 Difference 50.75
 Correction for 10ft., Table A. 1.7
 × Difference divided by 10 8.62
 If $\frac{1}{10}$ ths length covered divide by 2 +4.4

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered 613
 Thickness of usual wood deck, less stringer..... 3\frac{1}{2}

3" wood sheathing allowed in reduced mid. depth. Corr. = -1/4

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 55'-8"
 Round of Beam..... 14"
 Normal round 14"
 Difference —
 Proportion of Deck uncovered (Para. 19) 87

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

Co-efficient of fineness837
 Any modification necessary [Para. 4 (a) to (e) *]02
 Co-efficient as corrected817

Sheer { Stem... 99 } $137\frac{1}{2} \div 2 = 68\frac{3}{4}$ Mean
 at { Sternpost... 38\frac{1}{2} }
 Sheer at $\frac{1}{2}$ of the length from { Stem 57\frac{1}{2} } $77 \div 2 = 38\frac{1}{2}$ Mean
 { Sternpost 19\frac{1}{2} }

Gradual mean Sheer 70"
 Standard mean Sheer (Table, Para. 18) 56.42 Correction
 Difference..... 12.33 $\div 4 = -3.08$

§ If limited as Para. 18 (f).....

Rise in Sheer { At front of bridge house.....
 from amidships { At after end of forecastle

Fall in shear { $3/4" \div 2 =$
 Para. 18 (d) }
 Length uncovered allowance by bridge Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... (9-7 1/4 - 3-3) 6-5
 Correction for Length, if required (Para. 12, 13, and 14) 9-5
 Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) 9-3 1/4
 Difference 3-0
 Percentage as below..... 41.3 $\frac{1}{10}$ 40.86

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) 15 1/4
 Allowance for Deck Erections 14 3/4

	Length.	Length allowed.	Height.
Forecastle.....	<u>44-10</u>	<u>48-10</u>	<u>7-9</u>
Bridge House.....	<u>175-6</u>	<u>175-6</u>	<u>7-9</u>
+ Raised Qr. Dk.....	<u>—</u>	<u>—</u>	<u>7-9</u>
Poop.....	<u>60-8</u>	<u>60-8</u>	<u>—</u>
Total.....	<u>290</u>	<u>285</u>	<u>613</u>
Length of Ship.....	<u>464.25</u>	<u>—</u>	<u>—</u>
Corresponding percentage { (Para. 11, 12, 13, or 14) } <u>40.86</u> $\frac{1}{10}$ <u>41.3</u> $\frac{1}{10}$			

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (100) Deck:—

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

Amended Tables
 March 1906.

† 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.

MARKING REPORT
 RECEIVED 20 MAY 1908

Ln B7S 23/1/08

Copy to Survey 23/1/08

4800-686700-184700

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 8 ft for 3 ft. before & aft of main M. & alternately and to Table*
 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 *Iron doors, riveted hinges*
 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 *W. G. doors riveted hinges*
 What is the thickness of the Bridge Front plating? *9/20* and Coaming plate? *10/20*
 Give scantlings and spacing of the Stiffeners *9 1/2 x 3 1/2 x 13/20 13 Angle 20" 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 half height*
 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? *yes*
 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 for 19-6 x 16		Nº 2 28-2 x 18-0		Nº 3 17-4 x 16-0		Nº 4 23-10 x 18		Nº 5 21-8 x 18-0	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING										
Height above top of DECK	30	30 <i>W</i>	30	30 <i>W</i>	24	18	30	30 <i>W</i>	30	30
Thickness										
Sides	9/20	9/20	10/20	10/20	9/20	8/20	9/20	9/20	9/20	8/20
Ends	8/20	8/20	9/20	9/20	8/20	8/20	9/20	9/20	8/20	8/20
SHIFTING BEAMS OR WEB PLATES										
Number	1	1	3	3	2	2	2	2	2	2
Section and Scantlings	1/2 x 8/10	1/2 x 8/10	1/2 x 9/10	1/2 x 9/10	1/2 x 8/10	1/2 x 8/10	1/2 x 9/10	1/2 x 9/10	1/2 x 9/10	1/2 x 9/10
Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
FORE AND AFTERS										
Number	3	3	3	3	3	3	3	3	3	3
Section and Scantlings	1/2 x 10/10	1/2 x 10/10	1/2 x 11/10	1/2 x 11/10	1/2 x 10/10	1/2 x 10/10	1/2 x 11/10	1/2 x 11/10	1/2 x 11/10	1/2 x 11/10
Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
HATCHES Thickness										
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 built with under Paras. 11, 12 (under 15 feet moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake? *16/20* Strake between Main and Bridge Sheerstrakes? *13/20*

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.

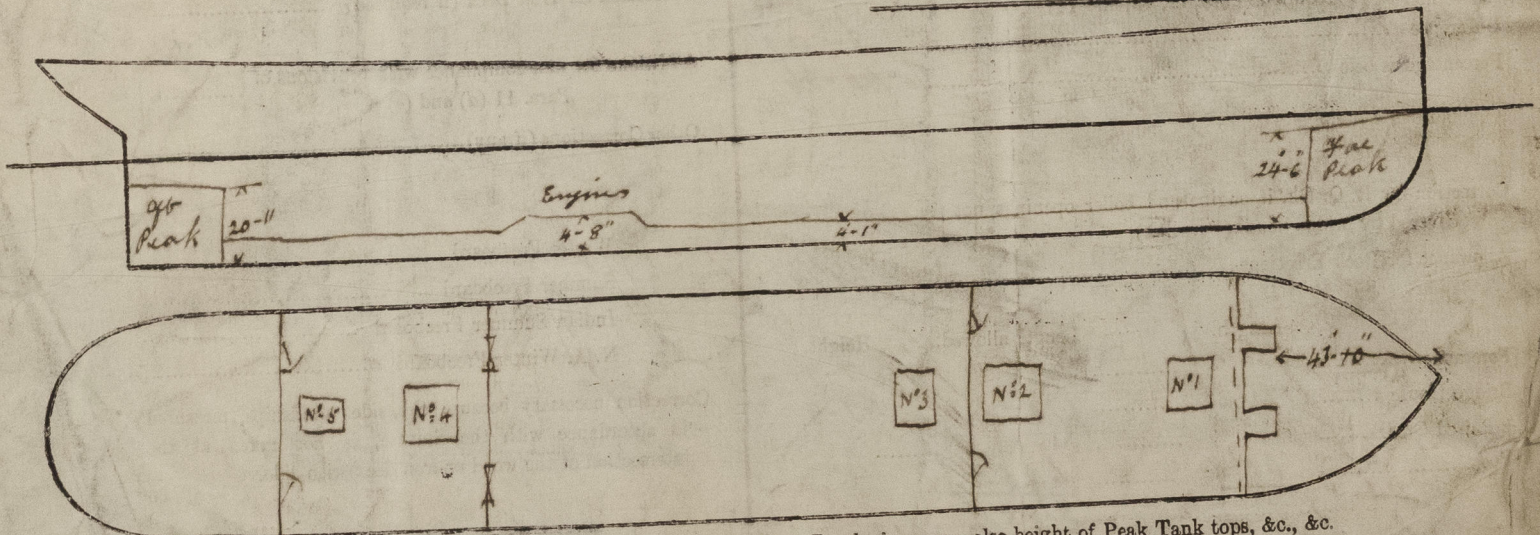
Length of Bulwarks in well *4-8-10* = *34-65* Sq. ft.

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *35-8* Sq. ft.

Ft. Tenths. Ft. Tenths. No. } Freeing Ports (each side of vessel) = *35-8* Sq. ft.

4-5 x 1-29 x 3
 4-75 x 1-29 x 3

Total deficiency or excess = *1-14* 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 *None. Request for survey is enclosed.*

Owners *Nippon Yusen Kaisha*

Address *Tokyo Japan*

Fee £ *✓*

Received by me



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