Rpt. 11b.

Lloyd's Register of Shipping.

RECD. 1 MAY. 1918

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

1173

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER ~~FLUSH~~ Shelter 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 Nagasaki
Date of Survey 4 March 1918
Name of Surveyor E. D. Aitken

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
S. S. "AFRICA MARU" Yard No 270	Osaka Japan		9499.6	1918	+100A-1 Shelter Dk with freeboard contemplated

Number in Register Book

	Length.	Breadth.	Depth.	Under Deck Tonnage.
Registered dimensions from Ship's Register.	475'	61.2	38.06 Upper Dk. 30.06 Shelter Dk.	6867 Upper Dk. 8797 Shelter Dk.
Length on Loadline.	475'	Frame Depth 12 Rule Sq. " 8/4 = -.66	Ceiling fitted Sheer + 62 5" drop in tank +.21	Peak 2 tiers Tanks Suez Frames in W/hold 2 deep tanks - 15
Corrected Dimensions.	475'	60.54	30.89 38.89	6852 8782

	Upper	Shelter
Co-efficient of fineness.....	.77	.786
Any modification necessary [Para. 4 (a) to (e)]*	cell DK	
Co-efficient as corrected	.75	.766

Sheer at { Stem..... 114 / Sternpost ... 43 } 157 ÷ 2 = 78.5 ...Mean

80 / 57.5 / 36 | 22.5 / 62

Sheer at 1/8 of the length from { Stem 65 / Sternpost 23 } 88 ÷ 2 = 44 ...Mean ÷.55 = 80

Gradual mean Sheer .....

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

Difference..... ÷ 4 =

§ If limited as Para. 18 (f).....

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

¶ Fall in Sheer Para. 18 (d) } ÷ 2 =

Length uncovered ..... Correction

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C.....

Correction for Length, if required (Para. 12, 13, and 14) .....

Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14)

Difference .....

Percentage as below.....

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

Allowance for Deck Erections .....

	Length.	Length allowed.	Height.
Forecastle.....	45.6	.....	7-6
Bridge House	30.0	.....	7-6
† Raised Qr. Dk.....		.....	...
Poop.....	34.75	.....	7-6
Total			

Length of Ship .....

Corresponding percentage (Para. 11, 12, 13, or 14)

Moulded Depth as measured.....32-9 Up. Dk. 40-9 Shelt Dk.

42-0 1/4 − 3-11 1/2 = 38-0 3/4

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..... 475'

Length in Table .....

Difference .....

Correction for 10ft., Table A. ..... Table C.

× Difference divided by 10 ..... (if required.)

If 6/10ths length covered divide by 2

CORRECTION FOR IRON DECK.

Proportion covered, if less than 7/10ths length covered .....

Thickness of usual wood deck, less stringer .....

Shelter Dk. 3" O.P. sheathing

CORRECTION FOR ROUND OF BEAM.

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

Breadth at Gunwale amidships.....

Round of Beam 15 1/4

Normal round.....

Difference ..... ÷ 2 =.....

Proportion of Deck uncovered (Para. 19) .....

Freeboard, Table A .....

Correction for Sheer .....

Correction for Length .....

Allowance for Deck Erections .....

Correction for Round of Beam.....

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) .....

Winter Freeboard ....

Summer Freeboard .....

Indian Summer Freeboard .....

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 „ „ „ „ .....

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 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 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.

1m,1,15. T.

P.T.O.

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? channel frames

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? no

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 30": 7 × 3½ × ·48 angles.

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? yes. Steel Dk 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? 4' above load Dk 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 33 × 20 - 3 × 18		No 2 33 × 20		No 3 18 × 20		No 4 - 18 × 20		No 5 - 33 × 20	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	24	do	24	do	18	do	18	do	18	do.
COAMING. Thickness Sides	·44		·44		·44		·44		·44	
COAMING. Thickness Ends	·44		·44		·44		·44		·44	
SHIFTING BEAMS OR WEB PLATES. Number	4	4	6	7	3	Lake B	2	Lake B	5	Lake
SHIFTING BEAMS OR WEB PLATES. Section and Scantlings	14½ × ·34 L 4 × 3 × ·44		17½ × ·36 L 4 × 3 × ·44		12½ × ·34 L 4 × 3 × ·44		13 × ·34 L 4 × 3 × ·44		14½ × ·34 L 4 × 3 × ·44	
SHIFTING BEAMS OR WEB PLATES. Material	steel		steel							
* FORE AND AFTERS. Number										
* FORE AND AFTERS. Section and Scantlings	none									
* FORE AND AFTERS. Material										
HATCHES Thickness	3"									
Remarks										

No 6 - 18 × 16 — 18 · ·44 · ·44 — 2 of B — 3 L 11 × ·30 L 3½ × 3 × ·42

* 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~~ shelter Sheerstrake? 1·06 and ·86 Strake between ~~Main~~ upper shelter and ~~Bridge~~ Sheerstrakes? ·78

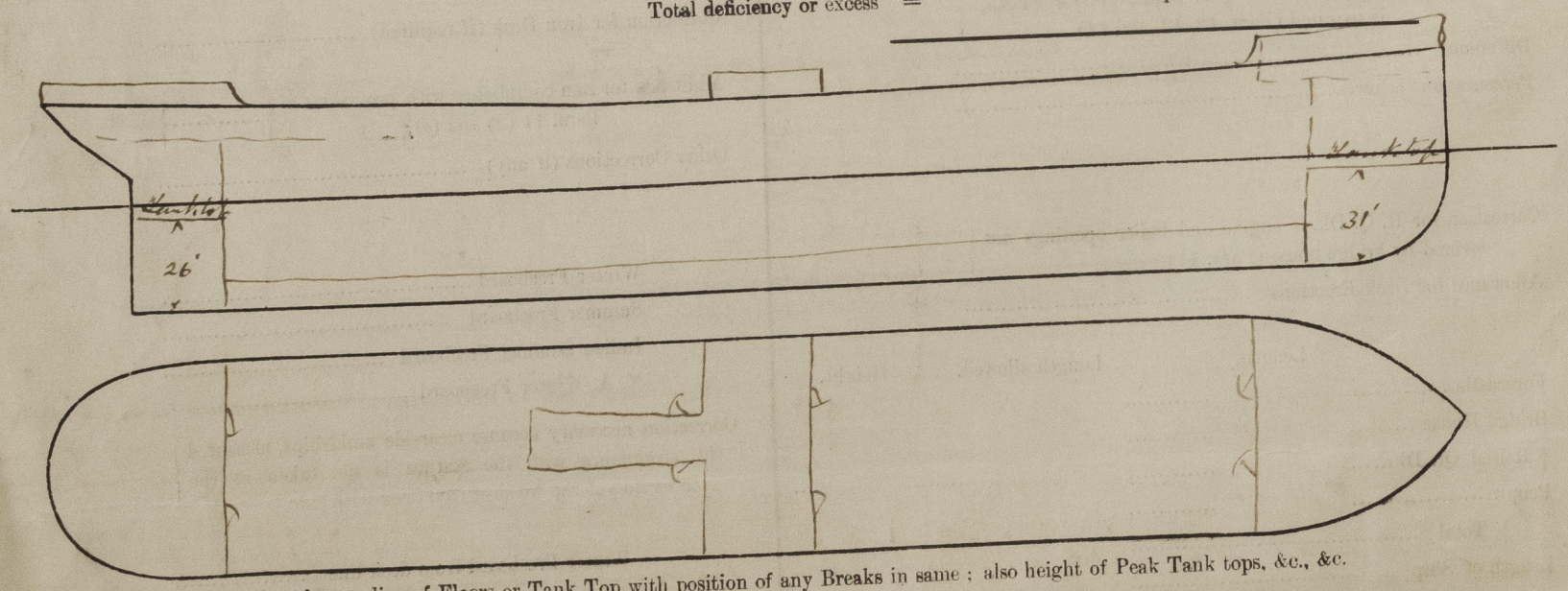
Delete the words that do not apply { The Crew ~~are~~ *are not*, berthed in the bridge house. / The arrangements to enable them to get backwards and forwards from their quarters *are*, ~~*are not*~~ satisfactory.

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. of sets rails 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 See preliminary Rept No 1072.

1st class passengers in Dk house 42. Storage below shelter Dk 316.

Bottom of keel below base line 3·12 inches. See W.T. Bkd & Shelter Dk.

Owners Messrs Asaka Shosen Kaisha

Address

Fee £4/126 : : Received by me 15th March, 1918. a.o.w.

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