

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH 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 Port Glasgow  
Date of Survey While building  
Name of Surveyor J. Bennett

SAHO MARU  
ex. Saikoh Maru.

Ship's Name. ARDROOM Port of Registry and Nationality. Greenock British Official Number. 142263 Gross Tonnage. 14882 Date of Build. 1918 Particulars of Classification. \* 100 A 1 (Contemplated)

Registered dimensions from Ship's Register. LENGTH. 385 BREADTH. 52 DEPTH. 26.55 UNDER DECK TONNAGE. 4203.42

Length on LOADLINE. 384 Frame Depth 9 Ceiling +2.0 Peak Tanks -8 tons for cargo battens in tween decks  
Rule „ 52 Sheer +1.15 Tank top level -58

CORRECTED DIMENSIONS. 384 51.42 27.9 4195.42

Co-efficient of fineness..... .761  
Any modification necessary [Para. 4 (a) to (e)]\* bell TB  
Co-efficient as corrected ..... .74

Sheer (Stem..... 120 at (Sternpost ... 60)  $180 \div 2 = 90$  ... Mean  
Sheer at  $\frac{1}{2}$  of the length from Stem 66 Sternpost 33  $99 \div 2 = 49.5$  ... Mean  $\div 55 = 90$   
Gradual mean Sheer ..... 90  
Standard mean Sheer [Table, Para. 18] ..... 48.4 Correction 14.6  $\div 4 = 10.4$   
§ If limited as Para. 18 (f) ..... -10.4

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

¶ Fall in Sheer {  
Para. 18 (d) {  $\div 2 =$   
Length uncovered ..... Correction

### ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 3 - 10.5  
Correction for Length, if required (Para. 12, 13, and 14) ..... 2.5  
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) ..... 6 - 7.5  
Difference ..... 2 - 6.5  
Percentage as below..... 31.85

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

Allowance for Deck Erections ..... 9.34

	Length.	Length allowed.	Height.
Forecastle.....	<u>46-5</u>	<u>46.42</u>	<u>8-0</u>
Bridge House .....	<u>110-6</u>	<u>110.50</u>	<u>8-0</u>
† Raised Qr. Dk.....	<u>34-3</u>	<u>34.25</u>	<u>8-0</u>
Poop.....	<u>34-3</u>	<u>34.25</u>	<u>8-0</u>
Total .....	<u>191.17</u>	<u>191.17</u>	<u>49.78</u>
Length of Ship .....	<u>384</u>		
Corresponding percentage (Para. 11, 12, 13, or 14) }	<u>31.85</u>		

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

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

† If the frames, skin plating, 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 taken from the level of the top of the amidships beam.  
§ In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern. In vessels having poops and forecastles it means the sheer measured at points distant  $\frac{1}{4}$  and  $\frac{3}{4}$  length of the vessel's length from stem and stern-post.

Moulded Depth as measured..... 29-0

Addition for Keel below base line for draught record..... 2.3 inches.

### CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 384  
Length in Table ..... 348  
Difference ..... 36  
Correction for 10ft., Table A. .... 1.5 Table C. .7  
× Difference divided by 10 ..... 5.4 (if required.) 2.52  
If  $\frac{1}{10}$ ths length covered divide by 2 +5.4 +2.52

### CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered ..... 49.8  
Thickness of usual wood deck, less stringer ..... 3.2 -1.34

### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 49-11  
Round of Beam ..... 13  
Normal round..... 12.5  
Difference ..... 1.5  $\div 2 =$  .75  
Proportion of Deck uncovered (Para. 19) ..... 5.22

Freeboard, Table A ..... 7 - 0.5  
Correction for Sheer ..... -1 - 10.5  
Correction for Length ..... +6 - 7.5  
Allowance for Deck Erections ..... -6 - 9.34  
Correction for Round of Beam..... 5 - 9.34  
Correction for fall in Sheer (if any).....  
Correction for Iron Deck (if required) ..... 1.34  
Additions for non-compliance with provisions of Para. 11 (d) and (e) † .....  
Other Corrections (if any) .....

Winter Freeboard ..... 5 - 8  
Summer Freeboard ..... 5 - 2.34  
Indian Summer Freeboard ..... 4 - 9.5  
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. 1.34

Winter Freeboard from deck line ..... 5 - 9.34  
Summer „ „ „ „ ..... 5 - 4.5  
Indian Summer „ „ „ „ ..... 4 - 11.4  
N. A. Winter „ „ „ „ ..... 5 - 4.2

† 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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Lloyd's Register  
MARKING REPORT  
RECEIVED 24 OCT 1918

W/1312-0095



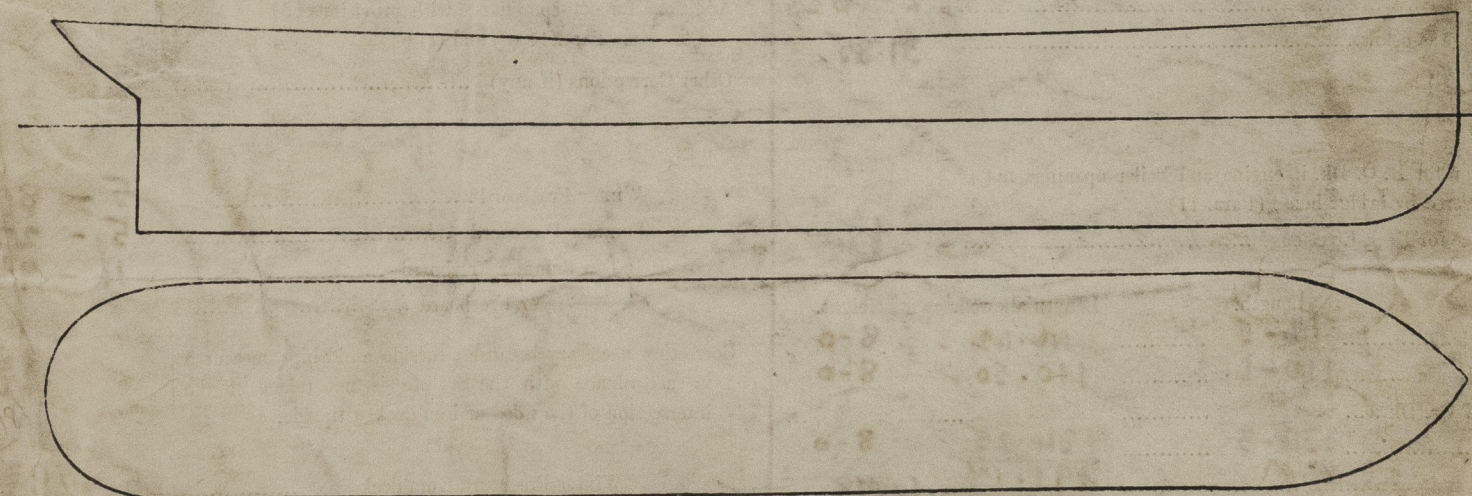
Do all the Frames extend to the top height in the Poop? *yes* • Raised Quarter Deck? *✓* Bridge House? *yes* Forecastle? *yes*  
To what height do the Reverse Frames extend? *to upper and second decks alternately*  
Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *yes*  
Give particulars of the means for closing the openings in Bulkhead *wood 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 *steel door*  
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 56 @ spaced 30 apart*  
Are bracket plates fitted at each end of the Stiffeners? *yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *✓*  
Has the Bridge House an efficient Iron Bulkhead at the after end? *yes*  
How are the openings closed? *shifting boards full height in permanent channels*  
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? *by 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 21-8 x 18		No 2 28-2 x 18		No 3 13 x 18		No 4 34-8 x 18		No 5 21-8 x 18	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	30	.24	30	.24	30	.18	30	.24	Same as No 1	
	Thickness { Sides.....	.44	.44	.50	.50	.44	.44	.50	.50		
		Ends.....	.44	.44	.44	.44	.44	.44	.44	.44	
SHIFTING BEAMS WEB PLATES.	Number .....	4	4	5	5	2	2	6	6		
	Section and Scantlings .....	15 x 7 1/2 x 34	15 x 7 1/2 x 34	15 x 7 1/2 x 36	15 x 7 1/2 x 36	15 x 7 1/2 x 34	13 1/2 x 6 3/4 x 34	16 x 8 x 36	16 x 8 x 36		
	Material .....	4 x 3 x .44	4 x 3 x .44	4 x 3 x .44	4 x 3 x .44	4 x 3 x .44	4 x 3 x .44	4 x 3 x .44	4 x 3 x .44		
* FORE AND AFTERS.	Number .....										
	Section and Scantlings .....	None									
	Material .....										
HATCHES Thickness .....		all 2 1/2									
Remarks.....											

\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.  
(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 = \_\_\_\_\_ Sq. ft.  
(each side of vessel)  
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 *cellular double bottom*  
*Sister vessel to following vessels but model make finer*  
*Arggarr, Arggarr, Arggarr, Arggarr, Arggarr, Arggarr and Arggarr* *sch Hds Rft Hds*  
*16596 17024 17061 17160 17211 17233 17298*  
*vessel does not carry passengers, approved plans (2) and forward request*  
*also displacement table and ton's for each scale forwarded herewith*  
*Builder Owners Russell & Co*

Address *But Glasgow*  
Fee £ *10* : *6* : *0* Received by me \_\_\_\_\_

