

Lloyd's Register of 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 Baleia.
Date of Survey 1. 18. 21.
Name of Surveyor J. Seske

Ship's Name. ELEPHANTA.	Port of Registry and Nationality. <u>Glasgow</u> <u>British</u>	Official Number. <u>129562</u>	Gross Tonnage. <u>5292</u>	Date of Build. <u>1911-5</u>	Particulars of Classification. <u>100 A1 Shade Jk.</u>
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Registered Dimensions from Ship's Register.	LENGTH. <u>400.4</u>	BREADTH. <u>52.5</u>	DEPTH. <u>25.5</u>	UNDER DECK TONNAGE. <u>3717.40</u>
Length on LOADLINE.	<u>399.66</u>	Frame Depth $7\frac{1}{2}$ Rule " $5\frac{1}{2}$ $\times 2 = - .33$	Ceiling $+ .20$ Sheer $+ .43$	Peak Tanks } <u>2 mtd.</u>
CORRECTED DIMENSIONS.	<u>399.66</u>	<u>52.17</u>	<u>26.13</u>	<u>3717.40</u>

Moulded Depth as measured..... 28'-0"

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

CORRECTION FOR LENGTH

Length of Ship on Loadline.....	<u>399.66</u>
Length in Table	<u>336</u>
Difference	<u>63.66</u>
Correction for 10ft., Table A.	<u>1.4</u> Table C. ✓
× Difference divided by 10	<u>8.91</u> (if required.)
If $\frac{1}{10}$ ths length covered divide by 2	<u>4.45 + 4\frac{1}{2}</u>

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered	✓
Thickness of usual wood deck, less stringer	<u>3\frac{1}{2}</u>
<u>Fitted: sheathing</u>	<u>3\frac{1}{3}</u> - $\frac{1}{2}$

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>50.5</u>
Round of Beam	<u>13</u>
Normal round.....	<u>12.625</u>
Difference	<u>.375 ÷ 2 = .187</u>
Proportion of Deck uncovered (Para. 19)	<u>.153</u> ✓
	<u>.03</u>

Freeboard, Table A	<u>6'-5"</u>
Correction for Sheer	<u>- 3\frac{1}{2}"</u>
Correction for Length	<u>+ 4\frac{1}{2}"</u>
Allowance for Deck Erections	<u>- 1'-6\frac{1}{2}"</u>
Correction for Round of Beam.....	<u>4'-11\frac{1}{2}"</u>
Correction for fall in Sheer (if any).....	✓
Correction for Steel Deck (if required)	<u>- 0\frac{1}{2}"</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	✓
Other Corrections (if any)	✓

Winter Freeboard	<u>4'-11"</u>
Summer Freeboard	<u>4'-5\frac{1}{2}"</u>
Indian Summer Freeboard	<u>4'-0"</u>
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 steel deck with side.	<u>1\frac{3}{4}"</u>
Winter Freeboard from deck line	<u>5'-0\frac{3}{4}"</u>
Summer " " " "	<u>4'-7\frac{1}{4}"</u>
Indian Summer " " " "	<u>4'-1\frac{3}{4}"</u>
N.A. Winter " " " "	✓

Co-efficient of fineness..... .68

Any modification necessary [Para. 4 (a) to (e)]* } C.D.B.

Co-efficient as corrected66

Sheer { Stem..... 84 } $126 \div 2 = 63$...Mean 65.67
 at { Sternpost ... 42 } 49.96
36 15.71
43

Sheer at $\frac{1}{3}$ of the length from { Stem 48.25 } $72.25 \div 2 = 36.12$...Mean 65.67
 { Sternpost 24 } $\div 55 = 65.67$

Gradual mean Sheer allowed 64.33

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

Difference..... 14.37 $\div 4 = 3.59$

If limited as Para. 18 (f) - 3\frac{1}{2}

Rise in Sheer { At front of bridge house..... } ✓

from amidships { At after end of forecastle

Para. 18 (e) }

Fall in Sheer { } ✓

Para. 18 (d) } $\div 2 =$

Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C.....	<u>3'-4\frac{1}{2}"</u>
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) }	<u>6'-1\frac{1}{2}"</u>
Difference	<u>2'-9"</u>
Percentage as below.....	<u>56.1%</u>
	<u>18.5'</u>
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }	✓
Allowance for Deck Erections	<u>18\frac{1}{2}"</u>

	Length.	Length allowed.	Height.
Forecastle.....	<u>51.79</u>	<u>50.87</u>	} <u>8.0</u>
Alter.....	<u>13.66</u>	<u>6.83</u>	
Bridge House.....	<u>223.32</u>	<u>210.68</u>	
Shelter.....	<u>17.66</u>	<u>8.83</u>	
Deck.....	<u>32.25</u>	<u>27.21</u>	
Total	<u>339.68 = .84</u>	<u>304.42</u>	<u>= .761</u>
Length of Ship	<u>399.66</u>	<u>399.66</u>	
Percentage	<u>56.1%</u>		

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

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

† 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.

RETAIN

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Do all the Frames extend to the top height in the Poop? Yes Raised Quarter Deck? Yes Bridge House? Yes Forecastle? Yes
 To what height do the Reverse Frames extend? BA frame
 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 Storm boards to full height in riveted channels
 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 Storm boards to full height in riveted channels
 What is the thickness of the Bridge Front plating? .30 and Coaming plate? Yes
 Give scantlings and spacing of the Stiffeners 4" flanges spaced 34" apart
 Are bracket plates fitted at each end of the Stiffeners? No Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? No
 Has the Bridge House an efficient Iron Bulkhead at the after end? Yes
 How are the openings closed? Storm boards to half height in riveted 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? No
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? Bridge
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? Yes
 Give thickness of plating; scantlings and spacing of Stiffeners
 What is the height of the exposed Casings? Yes 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:—

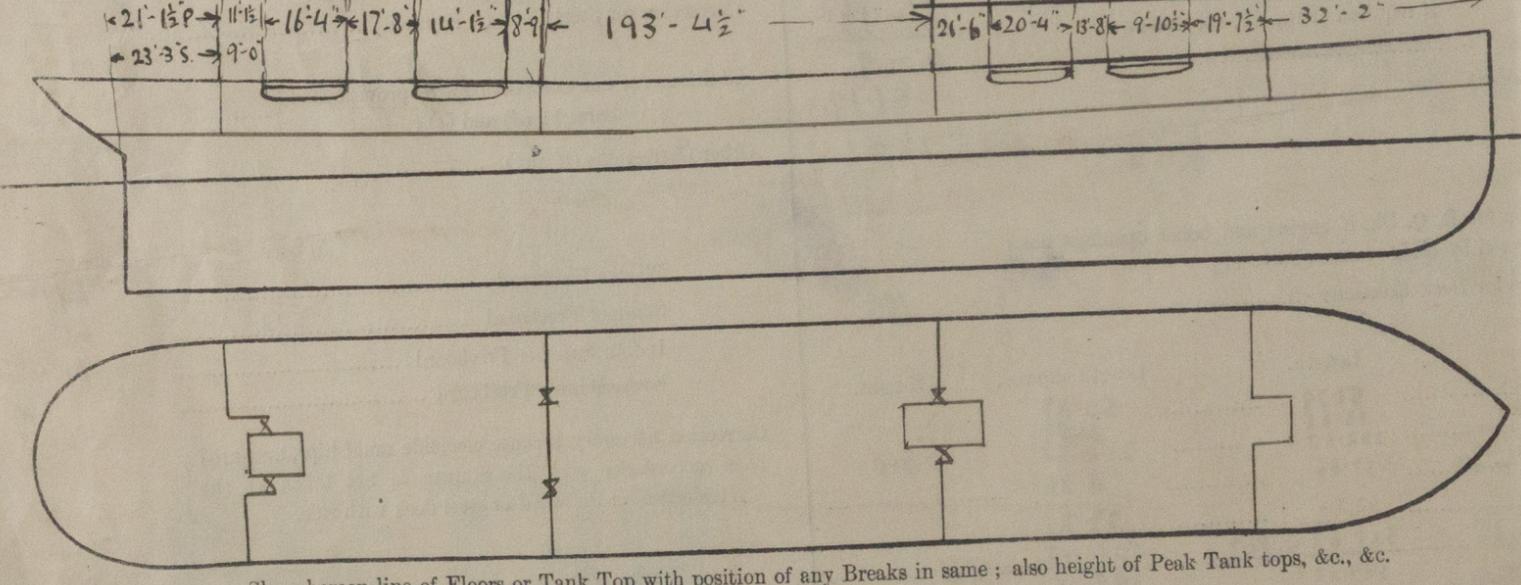
Position and Size.	No. 1. 16'-11 1/2" x 11'-11 1/2"		No. 2. 25'-6" x 13'-11 1/2"		No. 3. 25'-6" x 13'-11 1/2"		Ship.	Rule.	Ship.
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.			
COAMING	Height above top of DECK	30	30	30	30				
	Thickness	Sides	.44	.44	.44				
		Ends	.40	.40	.40				
SHIFTING BEAMS OR WEB PLATES	Number	3	5	5					
	Section and Scantlings	2 I 16" x 34" 6" x 4" x 44" T	3 I 18" x 34" 6" x 4" x 44" T	as in No. 1					
	Material	1 I 11" x 6 1/2" x 54" Steel	2 I 11" x 6 1/2" x 60" Steel						
* FORE AND AFTERS	Number		Nil						
	Section and Scantlings								
HATCHES	Thickness	3"	3"	3"					
	Remarks	framing	framing	framing					

* 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 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 _____ Sq. ft.
 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 _____

Builder's name and yard number _____

Names of sister vessels _____

Owners _____

Address
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Received by me _____