

5 SEP 1924

Index No. 31415
(For London Office only)

Lloyd's Register of Shipping

SURVEYS FOR FREEBOARD - STEAM SHIPS.

No. 43942

Port of Survey Glasgow
Date of Survey 1.9.24
Name of Surveyor George Nicol

PARTICULARS RELATING TO ALL STEAM SHIPS ~~UNDER FULLY 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.~~

Ship's Name S. "FOREST HILL" Port of Registry and Nationality London British Official Number 147738 Gross Tonnage 1599.61 Date of Build 1924 Particulars of Classification *100. A.1. (Class contemplated)

Registered dimensions from Ship's Register	LENGTH. <u>250.5</u>	BREADTH. <u>39.7</u>	DEPTH. <u>17.9</u>	UNDER DECK TONNAGE. <u>1374.81</u>
Length on LOADLINE.	<u>249.75</u>	Frame Depth $\frac{7}{2}$ Rule <u>5</u>	Ceiling + <u>20</u> Sheer + <u>62</u>	Peak Tanks } <u>Incl.</u>
CORRECTED DIMENSIONS.	<u>249.75</u>	<u>39.61</u>	<u>18.72</u>	<u>1374.81</u>

Moulded Depth as measured 19-10 $\frac{3}{8}$
 Wood deck less stringer } - 3 $\frac{1}{2}$
 Addition for Keel below base line for draught record 2 $\frac{1}{4}$ inches.

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

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

CORRECTION FOR LENGTH.
 Length of Ship on Loadline 249.75
 Length in Table 234.87
 Difference 14.88
 Correction for 10ft., Table A. 1.12 Table C.6
 x Difference divided by 10 1.66 (if required.) .892
 If $\frac{1}{10}$ ths length covered divide by 2 + 1 $\frac{3}{4}$ + 1

Sheer at Stem 42 } $112.5 \div 2 = 56.25$ Mean 57.27
 at Sternpost 40.5 } 34.97
 Sheer at $\frac{1}{2}$ of the length from Stem 41 } $63 \div 2 = 31.5$ Mean 57.27
 Sternpost 22 } 34.97
 Gradual mean Sheer 57.27
 Standard mean Sheer [Table, Para. 18] 21.79
 Difference - 5 $\frac{1}{2}$
 § If limited as Para. 18 (f)

CORRECTION FOR IRON DECK.
 Proportion covered, if less than $\frac{1}{10}$ ths length covered
 Thickness of usual wood deck, less stringer
 Allowed in reduced moulded depth

Rise in Sheer from amidships [Para. 18 (e)]
 At front of bridge house
 At after end of forecastle
 Fall in Sheer Para. 18 (d) } $\div 2 =$ ✓
 Length uncovered Correction

CORRECTION FOR ROUND OF BEAM.
 Breadth at Gunwale amidships 39.5
 Round of Beam 11
 Normal round 10
 Difference 1 $\div 2 =$ - $\frac{1}{4}$
 Proportion of Deck uncovered (Para. 19) .67 $\div 2 =$ - $\frac{1}{4}$

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

ALLOWANCE FOR DECK ERECTIONS :-
 Freeboard, Table C. 1 - 2 $\frac{3}{4}$
 Correction for Length, if required (Para. 12, 13, and 14) + 1 - 3 $\frac{3}{4}$
 Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) } - 3 - 3 $\frac{1}{2}$
 Difference 1 - 11 $\frac{3}{4}$
 Percentage as below 24.27%
 Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)
 Allowance for Deck Erections

Freeboard, Table A 3 - 7 $\frac{1}{4}$
 Correction for Sheer - 5 $\frac{1}{2}$
 Correction for Length + 13 $\frac{1}{4}$
 Allowance for Deck Erections - 53 $\frac{1}{4}$
 Correction for Round of Beam 2 - 93 $\frac{1}{4}$
 Correction for fall in Sheer (if any)
 Correction for Iron Deck (if required) allowed for in above reduced incl. depths.
 Additions for non-compliance with provisions of Para. 11 (d) and (e) } ✓
 Other Corrections (if any) } ✓

	Length.	Length allowed.	Height.
Forecastle	<u>22.94</u>	<u>22.94</u>	<u>7 - 11</u>
Bridge House	<u>58.00</u>	<u>57.50</u>	"
+ Raised Q. Dk.			
Poop	<u>16.56</u>	<u>16.56</u>	"
Total		<u>97.00</u>	<u>.3884</u>
Length of Ship		<u>249.75</u>	
Corresponding percentage (Para. 12, 13, or 14)		<u>24.27</u>	

Winter Freeboard 2 - 9 $\frac{1}{2}$
 Summer Freeboard 2 - 6 $\frac{3}{4}$
 Indian Summer Freeboard 2 - 4
 N. A. Winter Freeboard 2 - 11 $\frac{1}{2}$
 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. } + 1 $\frac{3}{4}$

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 " " "

Winter Freeboard from deck line 2 - 11 $\frac{1}{4}$
 Summer " " " 2 - 8 $\frac{1}{2}$
 Indian Summer " " " 2 - 53 $\frac{1}{4}$
 N.A. Winter " " " 3 - 14
 Winter Freeboard from deck line 2 - 8 $\frac{1}{2}$
 Summer " " " 4 $\frac{1}{2}$
 Indian Summer " " " 3
 N.A. Winter " " " 2 $\frac{1}{2}$
 Winter " " " 4 $\frac{1}{2}$

© 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 finish-decked vessels the total standard mean sheer means the sheer measured at points one-eighth of the vessel's length from stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at points one-eighth of the vessel's length from stem and stern-post.

RECEIVED 19 MAY 1961

RECEIVED 11 NOV 1926

MARKING FORM RECEIVED 11 SEP 1924

W558-0061

Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Across floors in double bottom* Bridge House *alternately* Forecastle? *Yes*
 To what height do the Reverse Frames extend? *Yes*
 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 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 *no openings*
 What is the thickness of the Bridge Front plating? *.34* and Coaming plate? *.44*
 Give scantlings and spacing of the Stiffeners *7x3x.54 built angles .30" 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? *portable plates secured by hook bolts with shifting boards full height in scuttles channels to openings at ends of passage*
 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? *covered by 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 *Yes*
 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: *Yes, see below*

Position and Size.	N.1. 28x25+21		N.2. 26x25		N.3. 28x25		N.4. 26x25+21	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	30						
	Thickness	Sides	.44					
		Ends	.44					
SHIFTING BEAMS OR WEB PLATES.	Number	5						
	Section and Scantlings	7 1/2 x 2 1/2 x 4	Same as N.1		Same as N.1		Same as N.1	
	Material	5 1/2 x 3 1/2 x 4 1/2 Steel						
* FORE AND AFTERS.	Number		No fore and afters					
	Section and Scantlings							
	Material							
HATCHES Thickness	2 1/2 pine							
Remarks								

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

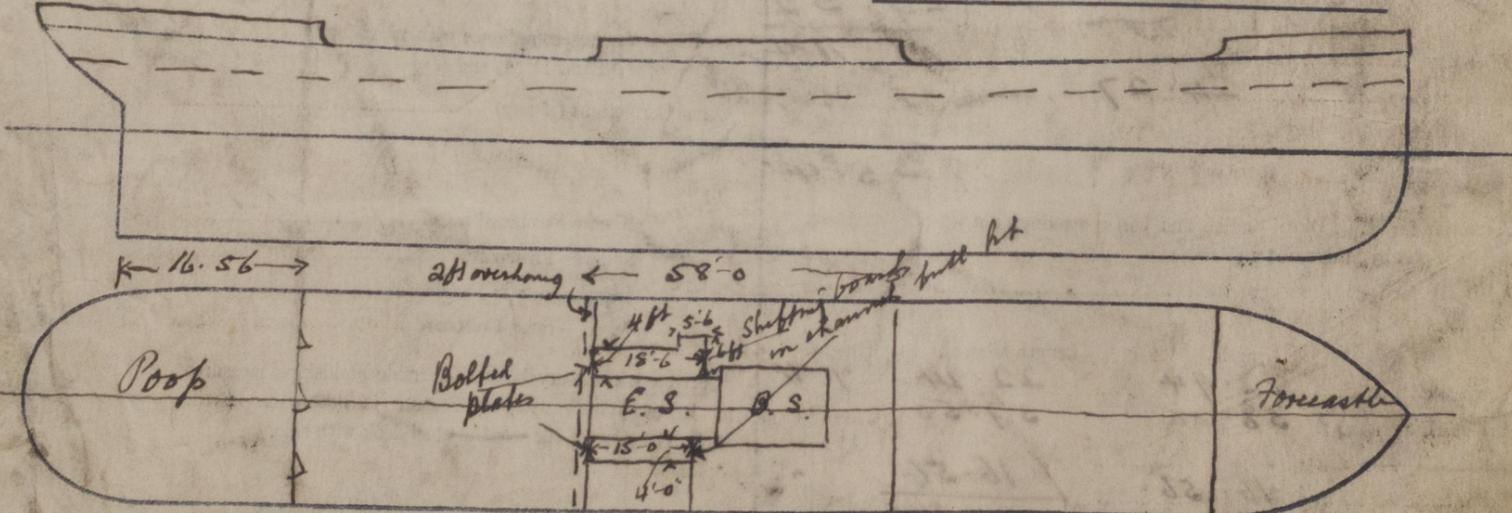
(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

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. Tenth.	Ft. Tenth.	No.	} Freeing Ports (each side of vessel) = _____ Sq. ft.
x	x	x	
x	x	x	

 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 *Sister vessel to same builders N. 604. (See report N. 43720)*
 Builder's name and yard number *Request form N. 9 enclosed Barclay Curle & Co. N. 605*
 Names of sister vessels *S. S. "Fouist Gate"*
 Owners *Mann, Macneal & Co. Ltd.*
 Address *Glasgow*

Fee £ 5 : 0 : 0 Received by me *See F.C. Report*

