

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS. 10,361

2 MAY 1930

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 Belfast
Date of Survey Building 1/5/30
Name of Surveyor S. Kendall

Island & Wolff No 807

Ship's Name. BRITANNIC	Port of Registry and Nationality. <u>Liverpool</u> <u>Brit</u>	Official Number.	Gross Tonnage.	Date of Build. <u>1930</u>	Particulars of Classification. <u>100A1 with freeboard</u>
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Registered Length from Register. <u>683.6</u>	BREADTH. <u>82.4</u>	DEPTH. <u>to B Dk 48.5</u> <u>to C Dk 39.5</u>	UNDER DECK TONNAGE. <u>2121.76</u> <u>16948.94</u>
Length on LOADLINE. <u>680.0</u>	Frame Depth Rule <u>9</u>	Ceiling Sheer <u>+ .71</u>	Peak Tanks } included <u>40.21</u> <u>130.0</u> <u>90.0</u> <u>40.0</u> <u>16988.94</u>
Corrected Dimensions. <u>680.0</u>	<u>82.4</u>	<u>40.21</u>	

Moulded Depth as measured..... 52-10 1/2 to Upper Dk (B)
43-10 1/2 to 2nd Dk (C)
Addition for Keel below base line for draught record..... inches.

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

Efficient of fineness..... .75
Modification necessary } .02 Cell DB
[Para. 4 (a) to (e)]*
Efficient as corrected73

CORRECTION FOR LENGTH

Length of Ship on Loadline.....	<u>680'</u>
Length in Table	<u>526.5'</u>
Difference	<u>153.5'</u>
Correction for 10ft., Table A.	<u>1.7</u>
× Difference divided by 10	<u>+ 2.5"</u>
If 1/10ths length covered divide by 2	<u>+ 13"</u>

Mean Sheer at 1/2 of the length from { Stem 86'
Sternpost 28' } $114 \div 2 = 57$... Mean
Standard mean Sheer [Table, Para. 18] 78.00
Difference..... 24.81
Correction $\frac{24.81}{2} = 12.405$
If limited as Para. 18 (f)

CORRECTION FOR IRON DECK
Proportion covered, if less than 1/10ths length covered
Thickness of usual wood deck, less stringer

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

Fall in Sheer { $\frac{1}{2} \div 2 =$
[Para. 18 (d)] }
Length uncovered covered by superstructure Correction

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>82.0'</u>
Round of Beam	<u>6"</u>
Normal round.....	<u>20.3'</u>
Difference	<u>14.2'</u>
Proportion of Deck uncovered (Para. 19)	<u>continuous superstructure</u>

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

ALLOWANCE FOR DECK ERECTIONS:—
Freeboard, Table C..... 12'-7 1/2" - 3'-1 1/2"
Correction for Length, if required (Para. 12, 13, and 14)
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) } 12'-1 1/4"
Difference 2'-7 1/4"
Percentage as below..... 100%

Freeboard, Table A	<u>12'-7 1/2"</u>
Correction for Sheer	<u>- 6 1/4"</u>
Correction for Length	<u>+ 1'-1"</u>
Allowance for Deck Erections	<u>13'-2 1/4"</u>
Correction for Round of Beam	<u>2'-7 1/4"</u>
Correction for fall in Sheer (if any).....	<u>10'-7"</u>
Correction for Steel Deck (if required) <u>2 Silo Silos</u>	<u>- 1 1/2"</u>
10'-5 1/2"	

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }
Allowance for Deck Erections 2'-7 1/4"
Superstructure B Dk. Length allowed. Height.
Forecastle..... 109.5 8.5
Bridge House 325.3 8.5
Raised Qr. Dk.....
Total
Length of Ship
Allowing percentage {
[Para. 11, 12, 13, or 14] }

Additions for non-compliance with provisions of {
Para. 11 (d) and (e) }
Other Corrections (if any) complete superstructure } 9'-0 1/2"
19'-6"
to correspond with approved moulded draught of 34'-0" for all seasons
Winter Freeboard } 4 1/2"
Summer Freeboard } 19'-1 1/2" all seasons
Indian Summer Freeboard }
N. A. Winter Freeboard

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 " " " "

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. } - 1/2"
Winter Freeboard from deck line } 19'-2" all seasons
Summer " " " " }
Indian Summer " " " " }
N. A. Winter " " " " }
2 1/2 Silo Silos } 8 1/2"
19'-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 flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post. In vessels having poops and forecastles, it means the sheer measured at points distant 1/10th 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.



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? *continuous superstructure*
 Give particulars of the means for closing the openings in Bulkhead
 Is the Poop or Raised Quarter Deck connected with the Bridge House? Has the Bridge House an efficient Bulkhead at the fore end? *Yes on A.D.*
 Give particulars of the means for closing the openings in Bulkhead *Strong clip doors*
 What is the thickness of the Bridge Front plating? *.48* and Coaming plate? *.56*
 Give scantlings and spacing of the Stiffeners *on B Dk 8" x 4 1/2" x 3 1/2" x 5 1/2" Chans spaced 30" and nine webs 6 1/4" x .50"*
on A Dk 9" x 4 1/2" x 3 1/2" x 5 1/2" - 28 1/2" and eight webs 6 1/4" x .50"
 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? *Strong Leak 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.*
 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 Ford 15'9" x 12'0" on A Dk		No. 2 18'0" x 17'6" on B Dk		No. 3 16'0" x 17'6" on A Dk		No. 4 5'6" and 8		No. 5 18'8"	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING										
Height above top of DECK	45"		30"		30"		30"		30"	
Thickness	Sides.....	.44	.44		.44		.44		.44	
	Ends.....	.44 50" forward	.44		.44		.44		.44	
SHIFTING BEAMS OR WEB PLATES.	Number	3	3		3		2		3	
	Section and Scantlings	3" 14" x .32"	3" 15" x .32"		3" 15" x .30"		3" 15" x .30"		3" 15" x .30"	
	Material	Steel	4" x 3" x .42"		4" x 3" x .40"		4" x 3" x .40"		4" x 3" x .40"	
* FORE AND AFTERS.	Number	none	none		none		none		none	
	Section and Scantlings									
	Material									
HATCHES Thickness	3"		3"		3"		3"		3"	
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.) *no sidelights below D Deck*

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? _____

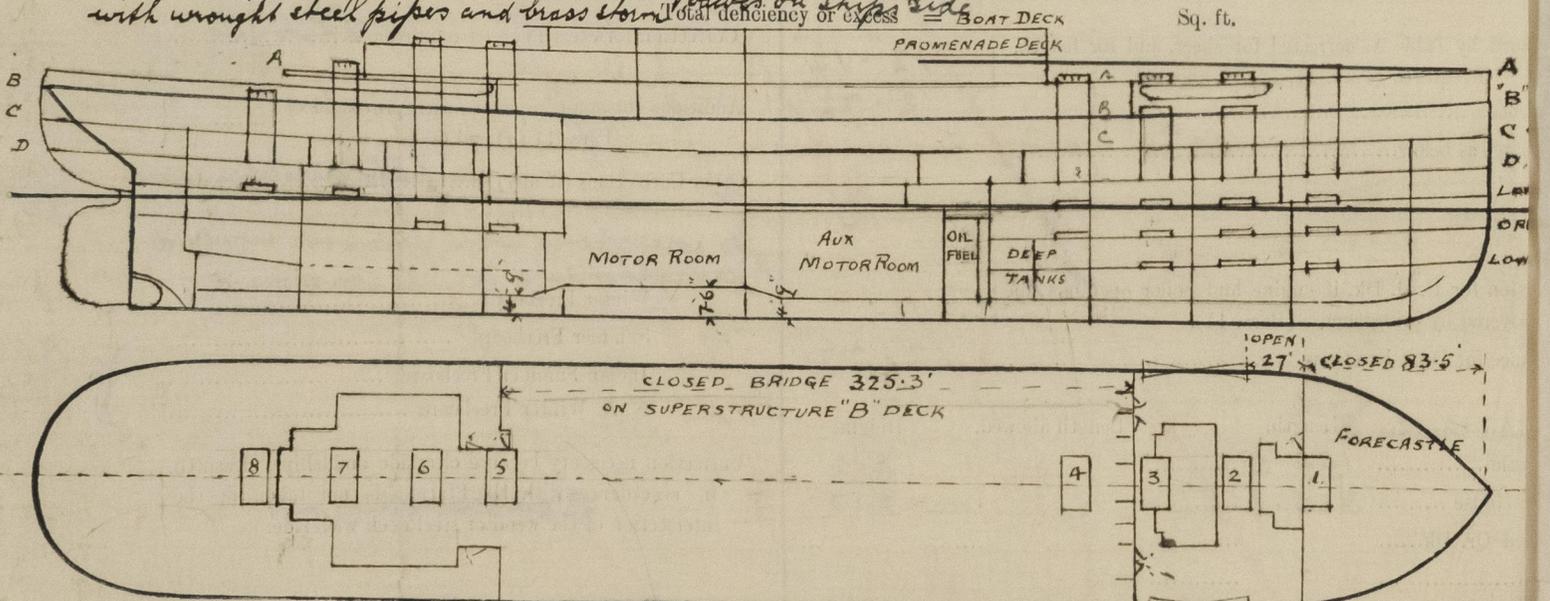
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

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 (each side of vessel) = _____ Sq. ft.

Scuppers from D Deck discharge overboard with wrought steel pipes and brass storm valves on ship's side
 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 *It is understood a subdivision load line of 32'6" Moulded has been assigned to this vessel when carrying passengers.*

Builder's name and yard number *Harland & Wolff Ltd. No 807.*

Names of sister vessels _____

Owners *White Star Line*

Address _____

Fee £ 15 : 0 : 0

Received by me *See F.L. Report.*