

Leicestershire 19760

THUR. 8 SEP 1910

Lloyd's Register of British & Foreign Shipping.

6836
21233

SURVEYS FOR FREEBOARD.-STEAM SHIPS.

Verification

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

Name of Surveyor W Kendall

Harland & Wolffs. No 411

Ship's Name. "GLOUCESTERSHIRE"	Port of Registry and Nationality. <u>Liverpool British</u>	Official Number.	Gross Tonnage.	Date of Build. <u>1910-10</u>	Particulars of Classification. <u>100 A1 Contemplated.</u>
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH. <u>467.2</u>	BREADTH. <u>54.35</u>	DEPTH. <u>31.70</u>	UNDER DECK Tonnage. <u>6304.93</u>
Length on LOADLINE	<u>466.6</u>	Frame Depth Rule <u>2 + 1/2</u> <u>.08</u>	Ceiling + .20 Sheer - .16 Depth to Tank <u>31.96</u>	Peak Tanks <u>included</u> <u>Tank top rises</u> <u>7 towards Margin</u>
CORRECTED DIMENSIONS.	<u>466.6</u>	<u>54.27</u>	<u>32.6</u> <u>31.74</u>	<u>6187.29</u>

Moulded Depth as measured.	<u>35.1"</u>
35-10	✓
3-10	✓
31-11	✓

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

Co-efficient of fineness77 ✓
 Any modification necessary [Para. 4 (a) to (e) *]
 Co-efficient as corrected77 ✓

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>466.6</u> x
Length in Table	<u>421.0</u> x
Difference	<u>45.6</u> x
Correction for 10ft., Table A.	<u>1.7</u> Table C.
x Difference divided by 10	<u>4.56</u> (if required.) ✓
If 1/10ths length covered divide by 2 +	<u>2.28</u> say + <u>3/4"</u> ✓

Sheer { Stem... 89"
 at { Sternpost... 27" } $116 \div 2 = 58$... Mean

Sheer at 1/3 of the length from { Stem 48
 Sternpost 8 } $56 \div 2 = 28$... Mean

Gradual mean Sheer 50.9 ✓
 Standard mean Sheer (Table, Para. 18) 56.66 ✓
 Difference..... $5.76 \div 4 = + 1.44$ ✓
 § If limited as Para. 18 (f)..... say + 1/2" ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered	✓
Thickness of usual wood deck, less stringer. <u>8.2"</u> <u>into</u> <u>side</u> =	<u>- 1/2"</u> ✓

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

Fall in sheer Para. 18 (d) } 4" $\div 2 =$
 Length uncovered Nil. Covered by Bridge - Correction

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>53.6</u>
Round of Beam.....	<u>9"</u> ✓
Normal round	<u>13.4</u> ✓
Difference	$4.4 \div 2 = 2.2$ ✓
Proportion of Deck uncovered (Para. 19)	<u>2.0</u> = + <u>1/2"</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..... $(9.74 - 3.22) =$	<u>6.52</u> x
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>9.94</u> x
Difference	<u>3.4</u> x
Percentage as below.....	<u>54.1</u> x
	<u>21.64</u> x

Freeboard, Table A	<u>9.787</u> ✓	<u>9.7 3/4</u> x
Correction for Sheer	<u>1.44</u> ✓	+ <u>- 1 1/2</u> x
	<u>9.347</u>	<u>9.9 1/4</u> x
Correction for Length	<u>1.387</u> ✓	+ <u>- 3 3/4</u> x
	<u>10.734</u>	<u>10.1</u> x
Allowance for Deck Erections	<u>1.961</u> ✓	= <u>1.96</u> x
	<u>8.773</u>	<u>8.3 1/2</u> x
Correction for Round of Beam	<u>.44</u> ✓	+ <u>1/2</u> x
	<u>8.401</u>	<u>8.4</u> x
Correction for fall in Sheer (if any)		
Correction for Iron Deck (if required)		= <u>- 1 1/2</u> x
Additions for non-compliance with provisions of Para. 11 (d) and (e) †		<u>8.2 1/2</u> x
Other Corrections (if any).....		

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }		
Allowance for Deck Erections	<u>- 1.9 1/2</u> x	
Length.	Length allowed.	Height.
Forecastle..... <u>77.5</u>	<u>75.0</u> ✓	<u>8'</u>
Bridge House <u>242.5</u> ✓	<u>222.5</u> ✓	<u>8.2</u>
† Raised Qr. Dk.....		
Poop..... <u>51.6</u>	<u>48.6</u> ✓	<u>8'</u>
Total	<u>371.6</u>	
	<u>346.1</u>	<u>= .741</u> x
Length of Ship	<u>466.6</u>	
Corresponding percentage (Para. 12, 13, and 14) }	<u>54.1%</u>	

Winter Freeboard	<u>8' - 2 1/2"</u> x
Summer Freeboard	<u>7' - 8"</u> x
Indian Summer Freeboard	<u>7' - 1 1/2"</u> x
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.	<u>- 1"</u> ✓
Winter Freeboard from deck line	<u>8' - 3 1/2"</u> x
Summer " " " "	<u>7' - 9"</u> x
Indian Summer " " " "	<u>7' - 2 1/2"</u> x

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, 1 above 2" Lip into on Steel Deck —

Fresh Water Line	above centre of Disc	<u>7.9</u> ✓
Indian Summer Line	" " "	<u>6 1/2</u> ✓
Winter Line	below " "	<u>6 1/2</u> ✓
Winter North Atlantic Line	" " "	<u>6 1/2</u> ✓

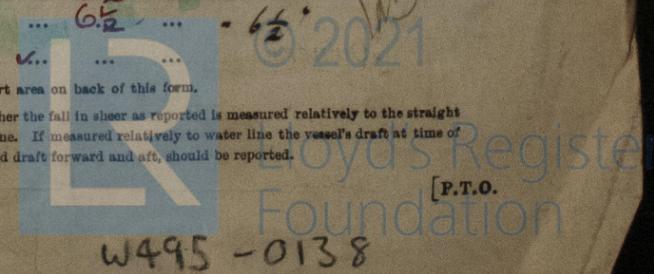
Amended Tables March, 1906.

† 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 sternpost.

† 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.

Two B.S. 9/9/10

W495-0138



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 + Middle Decks alternately.*
 Has the Poop ~~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 in open alleyway.*
 Is the Poop ~~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? *9/16"* and Coaming plate? *9/16"*
 Give scantlings and spacing of the Stiffeners *9 x 3 1/2 x 1/4 Bulk angles spaced 30"*
 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? *Hinged doors in open alleyway.*
 Is the Forecastle at least as high as the main or top-gallant rail? *Yes.* Has the Forecastle an efficient Iron ~~Wood~~ Bulk'd. at after end? *Yes.*
 Are the Engine and Boiler openings covered by a Bridge, ~~Deck~~ *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.*

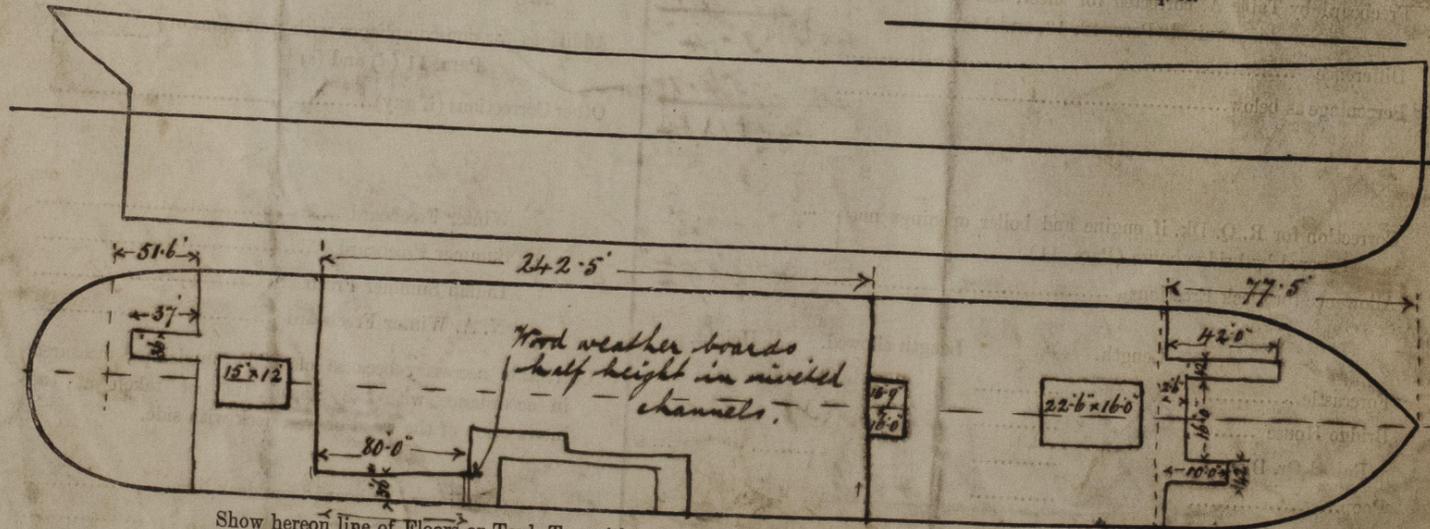
Position and Size.	No 1 12'-6" x 16'-0"		No 2 22'-6" x 16'		No 3 15'-9" x 16'-0"		No 4 17'-6" x 14'		No 5 15'-0" x 14'	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Height above top of DECK	34	18	30	24	34	24	30	18	30	24
COAMING Thickness	Sides	.40	.54	.45	.57	.40	.57	.44	.44	.40
	Ends	.40	.34	.40	.40	.40	.34	.40	.40	.34
SHIFTING BEAMS OR WEB PLATES	Number	Two	Two	Three	Four	Three	Three	Three	Three	Three
	Section and Scantlings	25 x 40 Web 16 x 24	16 x 24 Web 25 x 40	16 x 24 Web 25 x 40	16 x 24 Web 25 x 40	16 x 34 Web 25 x 40	16 x 34 Web 25 x 40	16 x 34 Web 25 x 40	16 x 34 Web 25 x 40	16 x 34 Web 25 x 40
	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
FORE AND AFTERS	Number									
	Section and Scantlings									
	Material									
HATCHES Thickness	3"									
Remarks										

* 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 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. }
 x x } Freeing Ports
 x x } (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 *Approved plans forwarded herewith for reference. This vessel is very similar to the same Builders No 403. L.L. Leicestershire Belfast Rep. 1844, and is for the same Owners.*

Owners _____
 Address _____

Fee £ _____

Received by me _____

