

Lloyd's Register of British & Foreign 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 BelfastDate of Survey BuildingName of Surveyor SpindallHarland & Wolff, No 411

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

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage.
	<u>467.2</u>	<u>54.35</u>	<u>31.70</u>	<u>6304.93</u>
Length on LOADLINE	<u>466.6</u>	Frame Depth <u>4</u> Rule <u>6 1/2</u>	Ceiling <u>+2.0</u> Sheer <u>-1.6</u> Depth <u>31.96</u> To Tank	Peak <u>6187.29</u> Tanks <u>7</u> Tanks top rises <u>7</u> Tanks Margin
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. 35.1"

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..... 466.6 ×
Length in Table 421.0 ×
Difference 45.6 ×
Correction for 10ft., Table A. 1.7 Table C.
× Difference divided by 10 7.75 (if required.) ✓
If 1/10ths length covered divide by 2 + 3.87 say + 3 3/4 ✓

Sheer { Stem... 89"
at { Sternpost... 27" } $116 \div 2 = 58$... Mean
Sheer at 1/8 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 1/2 ✓

CORRECTION FOR IRON DECK.
Proportion covered, if less than 1/10ths length covered ✓
Thickness of usual wood deck, less stringer. 8.2" 2 1/2" 5 1/2" = -1 1/2 ✓

Rise in Sheer { At front of bridge house..... ✓
from amidships {
[Para. 18 (e)] { 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. NOTE.—The round of beam should be reported on the full breadth of vessel at the gunwale.
Breadth at Gunwale amidships..... 53.6
Round of Beam..... 9" ✓
Normal round 13.4 ✓
Difference $4.4 \div 2 = 2.2$ ✓
Proportion of Deck uncovered (Para. 19) 20 = + 1 1/2 ✓

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... $(9.7 3/4 - 3.2 1/2) =$ 6.5 1/4 ✓
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) } 9.9 1/4 ✓
Difference 3.4 ✓
Percentage as below..... 54.1 ✓
21.64 ✓

Freeboard, Table A 9.7 3/4 ✓
Correction for Sheer 1.44 ✓
Correction for Length 1.38 ✓
Allowance for Deck Erections 1.96 ✓
Correction for Round of Beam 1.1 ✓
Correction for fall in Sheer (if any) ✓
Correction for Iron Deck (if required) -1 1/2 ✓
Additions for non-compliance with provisions of Para. 11 (d) and (e) †
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 -1.9 1/2 ✓

	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>74.1</u> ✓
Length of Ship	<u>466.6</u>		
Corresponding percentage { (Para. 12, 13, and 14) } <u>54.1</u> %.			

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

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

Winter Freeboard 8' - 2 1/2" ✓
Summer Freeboard 7' - 8" ✓
Indian Summer Freeboard 7' - 1 1/2" ✓
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" ✓

Winter Freeboard from deck line 8' - 3 1/2" ✓
Summer " " " 7' - 9" ✓
Indian Summer " " " 7' - 2 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 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 one-eighth 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.

Ans B of 9/9/10

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 ~~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 ~~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? *7/16"* and Coaming plate? *7/16"*
 Give scantlings and spacing of the Stiffeners *9 x 3 1/2 x 14 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 ~~or Wood~~ Bulk'd. at after end? *Yes.*
 Are the Engine and Boiler openings covered by a Bridge, ~~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.	N ^o 1 12'-6" x 16'-0"		N ^o 2 22'-6" x 16'-0"		N ^o 3 15'-9" x 16'-0"		N ^o 4 17'-6" x 14'-0"		N ^o 5 15'-0" x 14'-0"	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.										
Height above top of DECK	34	18	30	24	34	24	30	18	30	24
Thickness { Sides.....	.40	.40	.54	.45	.57	.40	.57	.44	.44	.40
Ends.....	.40	.34	.40	.40	.40	.34	.40	.40	.40	.34
SHIFTING BEAMS OR WEB PLATES.										
Number.....	Two	Two	Three	Four	Three	Three	Three	Three	Three	Three
Section and Scantlings.....	25 x 40 Web 16 x 34	16 x 34 Web 25 x 40	2 Webs 25 x 40 16 x 34	16 x 34	one web 25 x 40 16 x 34	16 x 34	one web 25 x 40 16 x 34	16 x 34	one web 25 x 40 16 x 34	16 x 34
Material.....	Steel.		3 Bms 12 x 40	T	2 Bms 12 x 40	Web.	2 Bms 10 x 57	Web.	2 Bms 12 x 40	T
FORE AND AFTERS.										
Number.....										
Section and Scantlings.....	none.									
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.

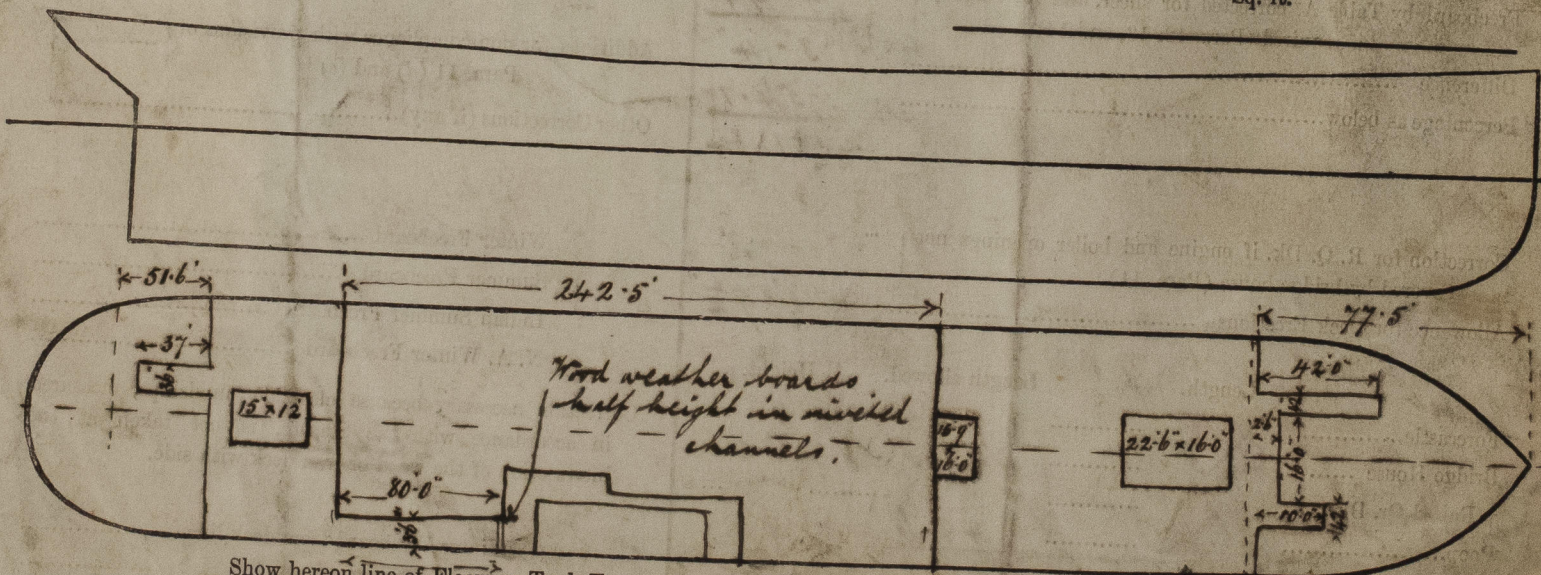
x x
 x x

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 *Approved plans forwarded herewith for reference. This vessel is very similar to the same Builders No 403. L.L. Lincaster-shire Belfast Rep. 1644, and is for the same Owners.*

Owners _____
 Address _____

Fee £ _____

Received by me _____



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