

# Lloyd's Register of British & Foreign Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS. 6942.

ARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES UNCONNECTED, 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 While building  
 Name of Surveyor M. Ilwenna

Ship's Name <u>T.S.S. "EGRA"</u>	Port of Registry and Nationality <u>Glasgow British</u>	Official Number <u>129540</u>	Gross Tonnage <u>5108</u>	Date of Build. <u>1911</u>	Particulars of Classification <u>100 A.1 shade deck Contemplated</u>
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Registered Length from Register <u>410</u>	BREADTH. <u>52.81</u>	DEPTH. <u>24.7</u>	UNDER DECK Tonnage. <u>3725.27</u>
Length on LOADLINE <u>409.42</u>	Frame Depth 8 Rule " <u>5 1/2</u> <u>— .42</u>	Ceiling .2 Sheer .72 Peak Tanks <u>Stop tank 1 = + .04</u> <u>Ceiling under keel + over timbers only</u>	
CORRECTED DIMENSIONS. <u>409.42</u>	<u>52.39</u>	<u>25.62</u>	<u>3725.27</u>

Moulded Depth as measured.....27.3

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

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>409.42</u>
Length in Table .....	<u>327</u>
Difference .....	<u>82.42</u>
Correction for 10ft., Table A. ....	<u>1.4</u> Table C.
× Difference divided by 10 .....	<u>11.54</u> (if required.)
If 1/10ths length covered divide by 2	<u>+ 5.27</u>

Efficient of fineness ..... .686  
 Modification necessary } .02 Cell Bot.  
 [Para. 4 (a) to (e) \*]  
 Efficient as corrected ..... .66

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered .....	
Thickness of usual wood deck, less stringer.....	<u>3 1/2</u>
	<u>3" sheathing Correction - 1/2</u>

Sheer at Stem... 96  
 at Sternpost... 54 1/2  
 $150 1/2 \div 2 = 75 1/4$  ... Mean 76.82  
 $36 | 25.88$   
.72

Sheer at 1/2 of the length from Stem 54  
 Sternpost 30 1/2  
 $84 1/2 \div 2 = 42 1/4$  ... Mean 76.82  
 $\div .55 = 76.82$

Standard mean Sheer ..... 76.02  
 Allowed

Standard mean Sheer (Table, Para. 18) ..... 50.924  
 Difference..... 25.09  $\div 4 = -6 1/4$   
 Correction

If limited as Para. 18 (f)..... 6.27

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>51.6</u>
Round of Beam.....	<u>12 3/4</u>
Normal round .....	<u>12.9</u>
Difference .....	<u>.15</u> $\div 2 = .07$
Proportion of Deck uncovered (Para. 19) .....	

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

Freeboard, Table A .....	<u>6-1 3/4</u>
Correction for Sheer .....	<u>- 6 1/4</u>
Correction for Length .....	<u>+ 5.7 1/2</u>
Allowance for Deck Erections .....	<u>+ 5 3/4</u>
Correction for Round of Beam.....	<u>- 1.3 1/4</u>
Correction for fall in Sheer (if any) .....	
Correction for Iron Deck (if required) .....	<u>- 1/2</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	
Other Corrections (if any).....	

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 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. 12, 13, and 14) } 5.7 1/2

Difference ..... 2.6

Percentage as below..... 50.6%

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) }

Allowance for Deck Erections ..... = 15 1/4

Winter Freeboard .....	<u>4.9 1/2</u>
Summer Freeboard .....	<u>4.4</u>
Indian Summer Freeboard .....	<u>3.10 1/2</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 deck with side. } <u>2 in 6 1/2</u> <u>13.0.8</u>	
Winter Freeboard from deck line .....	<u>4-11</u>
Summer " " " " .....	<u>4 5 1/2</u>
Indian Summer " " " " .....	<u>4 0</u>
N. A. Winter, " " " " .....	

	Length.	Length allowed.	Height.
Forecastle.....	<u>63.1</u>	<u>57.12</u>	<u>7.9</u>
Bridge House <u>Closed</u> .....	<u>177.8</u>	<u>199.60</u>	<u>8.0</u>
Raised Q. Dk. <u>40</u> .....	<u>28.2</u>	<u>14.08</u>	<u>7.11</u>
Poop <u>10 &amp; Closed</u> .....	<u>26.2</u>	<u>18.40</u>	<u>7.7 1/2</u>
Total .....	<u>335.2</u>	<u>289.20</u>	<u>.706</u>
Length of Ship .....	<u>409.5</u>	<u>409.5</u>	

Corresponding percentage (Para. N, 12, 13, or 14) } 50.62

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

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

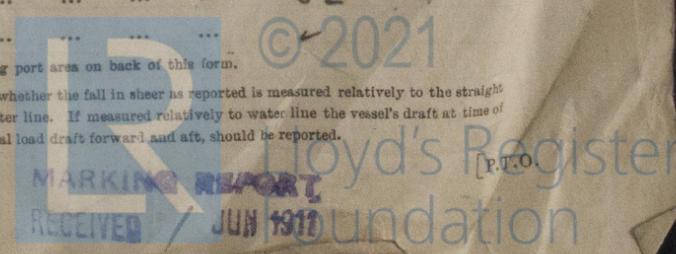
24.5.11

Amended Tables March 1906.

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.

† 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.



3h Galt's Bot 23/5/11.

W416-0061

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? *20 upper deck and every 4" to main dk in way of upper bridge*  
 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 *wood doors hinged*  
 Is the Poop or ~~Raised Quarter Deck~~ connected with the Bridge House? *Yes by shade deck* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*  
 Give particulars of the means for closing the openings in Bulkhead *Steel hinged doors & wood hinged doors to companion*  
 What is the thickness of the Bridge Front plating? *3* and Coaming plate? *3*  
 Give scantlings and spacing of the Stiffeners *30 L 38" with 2 webs Stiffeners 5x3x.35"*  
 Are bracket plates fitted at each end of the Stiffeners? *No* 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? *Shifting board in permanent raked channel and wood door to main*  
 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? *Shade deck bridge above*  
 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*

Position and Size.	No. 1 17.5 x 12.0		No. 2 26.0 x 14.0		No. 3 25.6 x 14.0		Ship.	Rule.	Ship.
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.
COAMING.	Height above top of DECK	2.6	2.6	2.6	2.6	2.6			
	Thickness	Sides.....	.44	.44	.44	Same as No. 2			
		Ends.....	.40	.40	.40	.40			
SHIFTING BEAMS OR WEB PLATES.	Number.....	3	3	5	5	5			
	Section and Scantlings.....	7" one JL 3 1/2 x 15 1/2 x .14	7" 1 1/2 x 11 x .34	7" 2 webs JL 2 3/4 x 32 x .14	7" 1 1/2 x 13 x .34	2 webs Same as No. 2 Hatch JL 3 1/2 x 13 x .34			
	Material.....	(2) 11x6.5x.55 Steel	Steel	12x6.5x.55 Steel	Steel	Steel			
FORE AND AFTERS.	Number.....								
	Section and Scantlings.....	None	None	None	None	None			
	Material.....								
HATCHES	Thickness.....	3" Steel	3	Same as No. 1	3	Same as No. 1			
	Remarks.....	Plating							

\* 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? \_\_\_\_\_

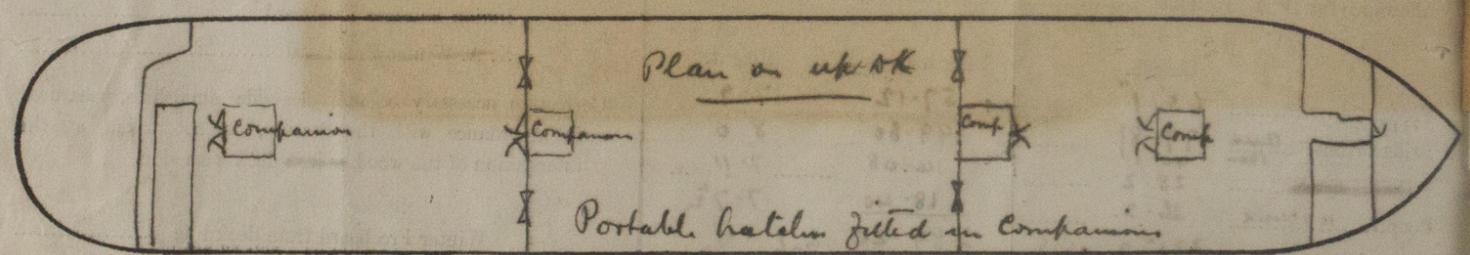
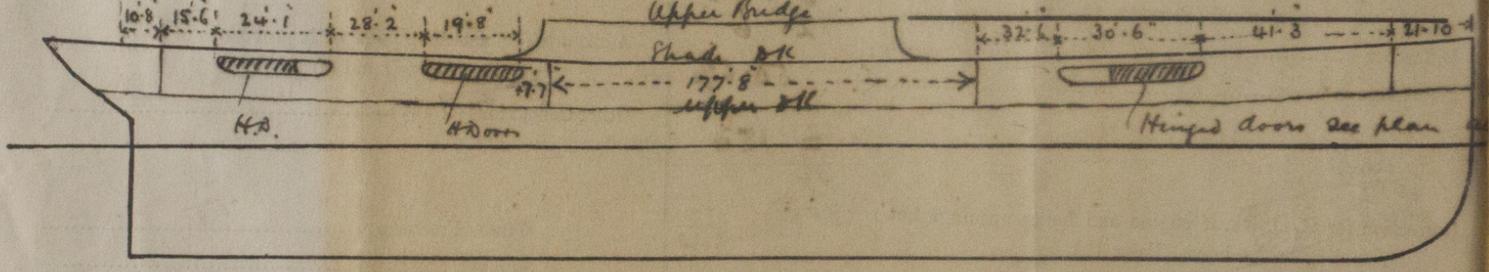
Delete the words { The Crew are, are not, berthed in the bridge house. that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

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.
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.  
*Mid sec. Profile & profile of opening in side enclosed for reference*

Owners \_\_\_\_\_

Address \_\_\_\_\_

Fee £ \_\_\_\_\_

Received by me \_\_\_\_\_

