

# Lloyd's Register of 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 Hull  
Date of Survey 22/2/24  
Name of Surveyor Wm Balfour

Ship's Name. GLYNCONWY  
Port of Registry and Nationality. Liverpool  
Official Number. 147248  
Gross Tonnage. 1924  
Date of Build. 1924  
Particulars of Classification. +100 A-1. contemplated Revised Rules.

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>156.2</u>	<u>25.65</u>	<u>9.85</u> <i>from 10.1</i>	<u>309.26</u>
Length on LOADLINE.	<u>156</u>	Frame Depth <u>5 1/2</u> Rule <u>3 1/2</u> <i>Spar fitted 2 1/2</i> <i>+ .42</i> <i>+ .33</i>	Ceiling <u>fitted</u> Sheer <u>+ 35.33</u>	Peak <u>mech</u> Tanks <u>- 8 Tons for Room in B.R.</u>
CORRECTED DIMENSIONS.	<u>156</u>	<u>25.23</u> <u>25.98</u>	<u>10.45</u> <sup>3</sup>	<u>301.26</u> <u>309.26</u>

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

.43  
.02  
.71

Sheer { Stem 48 }  $78 \div 2 = 39$  ... Mean 36 1/2  
at { Sternpost 30 } .83  
Sheer at 1/2 of the length from { Stem 25 1/2 }  $41.5 \div 2 = 20.75$  ... Mean 55  
Sternpost 16 37.72  
Gradual mean Sheer ..... 37.72  
Standard mean Sheer [Table, Para. 18] ..... 25.60  
Difference ..... 12.12  $\div 4 = - 3$  ...  
§ If limited as Para. 18 (f) .....

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

Fall in Sheer {  
Para. 18 (d) }  $\div 2 =$   
Length uncovered .....

Correction

## ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 0-3 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) ..... 1-5 1/2  
Difference ..... 1-2 1/4  
Percentage as below..... 63.85  
..... -9.26

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ..... +44.20  
Allowance for Deck Erections ..... -8 3/4  
..... -9

	Length.	Length allowed.	Height.
Forecastle.....	<u>22.75</u>	<u>21.25</u>	<u>6.75</u>
Bridge House.....	<u>10.45</u>	<u>10.45</u>	<u>7.0</u>
† Raised Qr. Dk.....	<u>86.48</u>	<u>86.48</u>	<u>4' 3"</u>
Poop.....	<u>✓</u>	<u>✓</u>	<u>✓</u>
Total.....	<u>119.98</u>	<u>118.48</u>	<u>.459</u>
Length of Ship .....	<u>156</u>	<u>✓</u>	<u>✓</u>
Corresponding percentage { (Para. 11, 12, 13, or 14) }	<u>63.85</u>	<u>✓</u>	<u>✓</u>

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 " " " " .....

3 - MAR 1924

\* 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, the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the 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.

Moulded Depth as measured.....12'-0"

Addition for Keel below base line .....  
for draught record.....inches. Draft from Builders deadweight scale will be forwarded on 1st E. Rpt.

## CORRECTION FOR LENGTH.

Length of Ship on Loadline.....156  
Length in Table .....144  
Difference .....12  
Correction for 10ft., Table A. ....9 Table C.  
× Difference divided by 10 .....1.08 (if required.)  
If 1/10ths length covered divide by 2 .....54 + 1/2

## CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered .....  
Thickness of usual wood deck, less stringer ..... 3" - 3"

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....25.6  
Round of Beam .....6.5  
Normal round.....6.4  
Difference ......1  $\div 2 = .05$  nil  
Proportion of Deck uncovered (Para. 19) .....

Freeboard, Table A ..... 1-8 3/4  
Correction for Sheer ..... -3  
..... 1-5 3/4  
..... + 1/2  
Correction for Length ..... 1-6 1/4  
Allowance for Deck Erections ..... -8 3/4  
..... 0-4 1/4  
Correction for Round of Beam.....  
Correction for fall in Sheer (if any).....  
Correction for Iron Deck (if required) ..... -3  
..... 0-6 1/4  
Additions for non-compliance with provisions of {  
Para. 11 (d) and (e) }  
Other Corrections (if any) ..... Raised Q. D. + 4-3  
..... 4-9 1/4

Winter Freeboard ..... 4-9 1/4  
Summer Freeboard ..... 4-7 1/2  
Indian Summer Freeboard ..... 4-5 3/4  
N. A. Winter Freeboard ..... 3-3/4 4-11 1/2 5-0

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"

Winter Freeboard from deck line ..... 4-10 1/4  
Summer " " " " ..... 4-8 1/2  
Indian Summer " " " " ..... 4-6 3/4  
N. A. Winter " " " " ..... 3-1/2  
..... 4-1/2

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.  
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Do all the Frames extend to the top height in the Poop? — Raised Quarter Deck? yes Bridge House? yes Forecastle? yes  
 To what height do the Reverse Frames extend? Deep framing  
 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 no openings  
 Is the ~~Poop~~ or Raised Quarter Deck connected with the Bridge House? yes 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? 30 and Coaming plate? 34  
 Give scantlings and spacing of the Stiffeners 6 1/2 x 3 x 34 Ba sp 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? no openings  
 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? 6'-9" 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. 31-11 1/2 x 28 1/3" x 15		No. 26-10 1/2 x 24 1/2 x 15							
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	3'-3"		3'-0"							
	Thickness { Sides.....	40		40							
	{ Ends.....	40		40							
SHIFTING BEAMS OR WEB PLATES.	Number .....	5		5							
	Section and Scantlings .....	7 1/2 x 13 x 33		as for No. 1.							
	Material .....	3 x 3 x 44 D 100 lb 100000									
* FORE AND AFTERS.	Number .....	none		none							
	Section and Scantlings .....										
	Material .....										
HATCHES Thickness .....		2 1/2"		2 1/2"							
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.

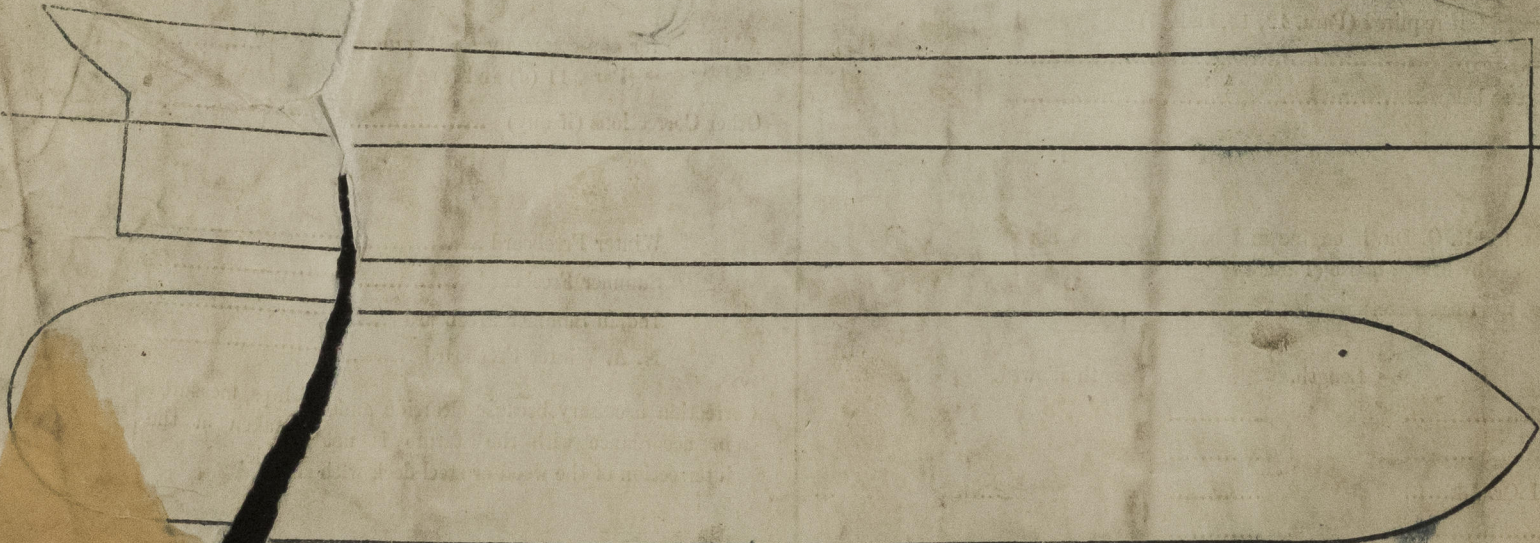
What is the thickness of the Bridge Sheerstrake? — Strake between Main and Bridge Sheerstrakes? —

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 35-10 1/2 x 3' 3" RED 86' 6" x 3 ft freeing port 2.45 x 1.5  
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = 10.7 Sq. ft.

Ft. Tenth. Ft. Tenth. No. Freeing Ports (each side of vessel) = 11.65 Sq. ft.  
 $3'-25 \times 1'-49 \times 2$

Total deficiency or excess = 1.65 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.

Notes in the construction of the Vessel Copy of plans in London Office

and yard number Mason Goble S. B & R Co. No 253

vessels Bargreaves & Co

Received by me See 7.8.1911



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