

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.

JULY 27 MAR 1906

PARTICULARS IN RESPECT OF STEAM SHIPS WITH TOP GALLANT FORECASTLES, HAVING LONG POOPS OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR SHORT POOP AND BRIDGE HOUSE DISCONNECTED, OR BRIDGE HOUSE.

Port of Survey LiverpoolDate of Survey 24.3.1906Name of Surveyor Mr Harrisnow Saga

Delete words which do not apply.

Ship's Name.	Gross Tonnage.	Official Number.	Type of Ship.	Date of Build.	Particulars of Classification.
<u>"Scotocraig"</u>	<u>902</u>	<u>118440</u>	<u>Welldeck</u>	<u>1904-4 mo</u>	<u>100 A.1.</u> <u>5.05</u> <u>L.M.C. 8.00.</u>
Number in Register Book <u>594</u>					

Registered Length as shown by ship's register. 200.15 Breadth 32.5 Depth 13.1
 Length on Loadline 200 belong + 2
 Breadth 32.5 13.3

Moulded Depth as measured. 15'-3"

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

Depth 13.3 Tons und. Dk. 676.74
 Correction for excess or deficiency of Gradual Sheer (Para. 8) .41
 Depth to be used 13.71
 × 100

Co-efficient of fineness .76
 Any modification necessary [Para. 4 (a) to (e)*] deep fr
 Co-efficient as corrected .75

Sheer { Stem... 60 } 90 ÷ 2 = 45 Mean
 at { Sternpost... 30 }
 Sheer at $\frac{1}{2}$ of the length from { Stem 37 } 55 ÷ 2 = 27.5 Mean
 { Sternpost 18 }

Gradual Sheer 30
 Standard Sheer (Table, Para. 18) 15 ÷ 4 = -3 3/4 Correction
 Difference -3 3/4

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

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C. 7 1/4
 Correction for Length, if required (Para. 12 and 13) ✓

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12 and 13) 11
 Difference 1.7 1/2
 Percentage as below 59.2%

Correction for engine and boiler openings not being covered by bridge house, in cases coming under Para. 11 ✓
 Allowance for Deck Erections -11 1/2

	Length.	Length allowed.	Height.
Forecastle.....	<u>24.62</u>	<u>21.62</u> ✓	<u>7.25</u>
Bridge House	<u>55.87</u>	<u>54.75</u> ✓	<u>7.25</u>
+ Raised Qr. Dk.....	<u>69.24</u>	<u>69.24</u>	<u>4.0</u>
Decks.....		<u>145.61</u>	
Total		<u>200</u>	<u>= .728</u>

Length of Ship ✓
 Corresponding percentage (Para. 11, 12, or 13) 59.2%

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	" " "	...

† 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.

CORRECTION FOR LENGTH.
 Length of Ship on Loadline 200 ✓
 Length in Table 183 ✓
 Difference 17 ✓
 Correction for 10ft., Table A. 1.0 Table C.
 × Difference divided by 10 1.7 (if required.)
 If $\frac{1}{10}$ ths length covered divide by 2 for vessels coming under Para. 11 and Para. 12 + 3/4 ✓

CORRECTION FOR IRON DECK.
 Proportion covered, if less than $\frac{1}{10}$ ths length covered .428
 Thickness of usual wood deck, less stringer 3 ✓
-3

CORRECTION FOR ROUND OF BEAM.
 Breadth at Gunwale amidships.....
 Round of Beam 10
 Normal round 8
 Difference 2 ÷ 2 = 1 ✓
 Proportion of Deck uncovered (Para. 19) -1/4

Freeboard, Table A 2 - 6 1/2 ✓
 Correction for Sheer -3 3/4 ✓
 Correction for Length +2.2 3/4 ✓
 Allowance for Deck Erections -11 1/2 ✓
 Correction for Round of Beam -1 3/4 ✓
 Correction for Iron Deck (if required) -3 ✓
 Additions for non-compliance with provisions of {
 Para. 11 (d) and (e) ‡
 Other corrections (if any).....

Winter Freeboard 1 - 7 3/4
 Summer Freeboard 11 10 3/4
 N. A. Winter Freeboard 1 - 3 1/2
 Correction necessary because clear side amidships measured in accordance with the Statutes is not taken at the intersection of the ~~wood~~ iron deck with side. 1 1/2

Winter Freeboard from deck line § 1 - 2 1/2
 Summer " " " 1 - 0 1/4
 N. A. Winter, " " " 1 - 5 1/4

† State dimensions of freeing port area on back of this form.
 § Marked in accordance with Sec. 437, M. S. Act, 1894.

WORKING REPORT
 RECEIVED 13 AUG 1906
 Foundation

002101-002108-0234 1/2

DELETE WORDS WHICH DO NOT APPLY.

The Crew are, ~~and~~ berthed in the bridge house. *and Forecastle* ✓ ✓
The arrangements to enable them to get backwards and forwards from their quarters are, ~~satisfactory~~

Length of Bulwarks in well *57' 10"*
Area of freeing ports required by Para. 11 (e) each side of vessel *11.7* Sq. Ft.
Freeing Ports (each side of vessel)

Ft.	Tenths.	Ft.	Tenths.	No.		
2	96	×	1.83	×	3	} = <i>15.09</i> Sq. Ft.
		×		×		

Total deficiency = *3.39* Sq. Ft.
Total excess = *3.39* "

Vertical distance from bottom of keel or from top of deck at side amidships to lower edge of lowest side scuttle.

(N.B.—This dimension need not be reported unless the sill of the lowest side scuttle would be less than 6 inches above the Indian Summer Load Line if assigned under the tables.)

Do all the Frames extend to the top height in the Poop? *✓*

Do. do. do. in the Raised Quarter Deck? *Yes*
Do. do. do. Bridge House? *Yes*
Do. do. do. Forecastle? *Yes*

To what height do the Reverse Frames extend? *Main + R Q Deck Ohs.*

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 *Yes*

Is the Poop or raised Quarter Deck connected with the Bridge House? *Yes*

State whether the Bridge House efficiently covers the Engine and Boiler Openings *efficiently are covered by their own casings Yes*

Has the Bridge House an efficient Iron Bulkhead at the fore end? *Yes*

Give particulars of the means for closing the openings in Bulkhead *Top openings covered with bolted plates. The openings are above the top of bulwarks.* ✓

Describe how and to what extent it is Stiffened, give scantlings and spacing of Angle Irons, Bulb

Plates, etc. *B & T = 8 x 3 x 1/2" 20" transverse spaced 30" braced at top & bottom*

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* ✓

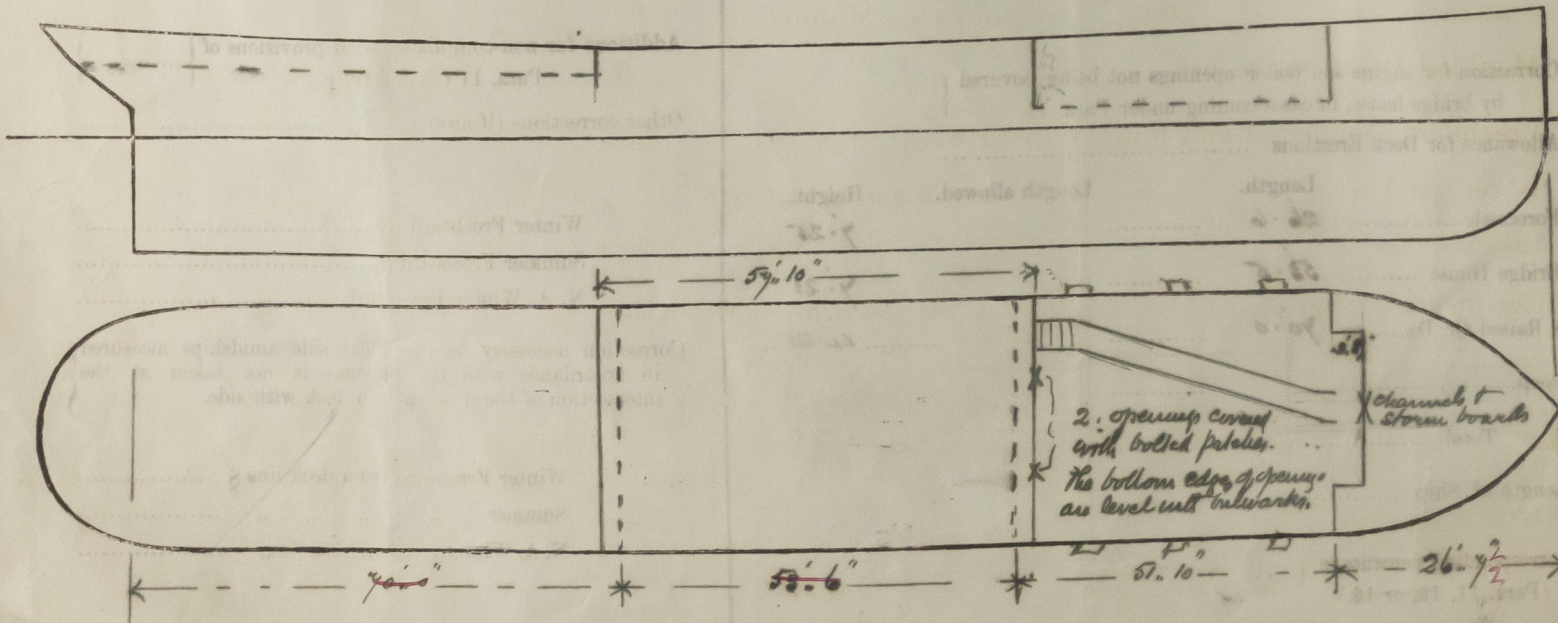
Has the Forecastle an efficient Iron or Wood Bulkhead at its after end? *Yes*

Are the Hatchways efficiently constructed? *Yes* ✓ What is the thickness of the Hatches? *✓*

State the height of the Coamings in fore well? *2' 6"* ✓ In after well *✓*

Are the exposed parts of the Engine and Boiler Casings efficiently constructed? *Yes* ✓

State any special features in the construction of the Vessel *✓*



Show hereon the actual measurements of sheer, draft, erections, breaks in line of floors, &c.

Owners *Mr Kinnear & Co*
Address *18 Commercial St Dundee*
Fee £ *2 : 2 : 0* Received by me *28/3/01*

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