

# Lloyd's Register of British & Foreign Shipping.

## SURVEYS FOR FREEBOARD.

SAT. 1 SEP 1906

ARTICULARS 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 Bristol  
Date of Survey 31<sup>st</sup> Aug 1906  
Name of Surveyor Charles Cooper

*"BALTIA" of Helsingborg.*  
Delete words which do not apply.

Ship's Name.	Gross Tonnage.	Official Number.	Type of Ship.	Date of Build.	Particulars of Classification.
<i>ex Helsingborg</i>	<i>2258</i>	<i>3548</i>	<i>Single Deck</i> <i>Steel Steamer</i>	<i>1900:1</i>	<i>100A/105</i>
Number in Register Book <i>121</i>					

Registered Length as shown by ship's register. *302.6* Breadth *43.2* Depth *19.8*  
Length on Loadline *302.6*  
Breadth *43.2*

Depth *19.8* *Including peak tank*  
Correction for excess or deficiency of Gradual Sheer (Para. 3) *-5.4*  
Depth to be used *20.34*  $\times 100$

Co-efficient of fineness *80*  
Any modification necessary [Para. 4 (a) to (e)] *Cell. D.P. & deep framing*  
Co-efficient as corrected *79*

Sheer { Stem... *84* }  $120 \div 2 = 60$  ...Mean  
at { Sternpost... *36* }  
Sheer at  $\frac{1}{4}$  of the length from { Stem *45.5* }  $66.0 \div 2 = 33.0$  ...Mean  
{ Sternpost *20.5* }  
Gradual Sheer *40.26*  
Standard Sheer (Table, Para. 18) *40.26* Correction  
Difference *19.74 \div 4 = -5"*

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 *1.10 1/2*  
Correction for Length, if required (Para. 12 and 13) *+ 2*  
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12 and 13) *4.7*  
Difference *2.6 1/2*  
Percentage as below *27.24*

Correction for engine and boiler openings not being covered by bridge house, in cases coming under Para. 11

	Length.	Length allowed.	Height.
Forecastle.....	<i>31.0</i>	<i>31.0</i>	$\times 7.0$
Bridge House .....	<i>49.0</i>	<i>49.0</i>	$\times 4.3$
† Raised Qr. Dk.....	<i>✓</i>		
Poop.....	<i>21.0</i>	<i>21.0</i>	$\times 7.3$
Total .....		<i>131</i>	
Length of Ship .....		<i>302.6</i>	$= 43.2$

Corresponding percentage (Para. 11, 12, or 13.) *27.24%*

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	"	"	

Moulded Depth as measured *22.3 1/2*

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 *302.6*  
Length in Table *267.5*  
Difference *35.1*  
Correction for 10ft., Table A *1.2* Table C *6*  
 $\times$  Difference divided by 10 *42/2* (if required.) *21.06*  
If  $\frac{1}{4}$ ths length covered divide by 2 for vessels coming under Para. 11 and Para. 12 *+ 4.2* *+ 2"*

## CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered *43.2*  
Thickness of usual wood deck, less stringer *3 1/2*

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships *10 1/2*  
Round of Beam *10 1/2*  
Normal round *10 1/2*  
Difference  $\div 2 =$   
Proportion of Deck uncovered (Para. 19)

NOTE.—The round of beam should be reported on the full breadth of vessel at the gunwale.

Freeboard, Table A *4.7 1/4*  
Correction for Sheer *- .5*  
Correction for Length *+ 4.2*  
Allowance for Deck Erections *3.10 3/4*  
Correction for Round of Beam  
Correction for Iron Deck (if required) *- 1 1/2*  
Additions for non-compliance with provisions of Para. 11 (d) and (e)  $\div$   
Other corrections (if any)

Winter Freeboard *3.9 1/4*  
Summer Freeboard *3.6 1/4*  
N. A. Winter Freeboard *3.11 1/4*

Correction necessary because clear side amidships measured in accordance with the Statutes is not taken at the intersection of the wood or iron deck with side. *+ 1 3/4*

Winter Freeboard from deck line  $\S$  *3.11*  
Summer " " " *3.8*  
N. A. Winter, " " " *4.1*

the breadth of vessel to inside of the side of the mainmast.

Marked in accordance with Sec. 437, M. S. Act 1894.

002215-002221-0139

2020

Lloyd's Register Foundation



The Crew ~~are~~, are not, berthed in the bridge house.

The arrangements to enable them to get backward and forwards from their quarters are, are not satisfactory. *no arrangements*

75.8'

Area of freeing ports required by Para. 11 (e) each side of vessel

15.16 Sq. Ft

Freeing Ports (each side of vessel)

Ft.	Tenths.		Ft.	Tenths.		No.
2	5	×	1	25	×	3
		×			×	

= 9.375 Sq. Ft

Total deficiency = 5.785 Sq. Ft.

Total excess =

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?

Do.            do.            do.            Bridge House?

Do.      do.      do.      Forecastle?

To what height do the Reverse Frames extend?

Has the Poop or ~~Raised Quarter Deck~~ an efficient Iron Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

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

State whether the Bridge House efficiently covers the Engine and Boiler Openings

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

Give particulars of the means for closing the openings in Bulkhead

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

Plates, etc.  $8 \times 3$  bulb angles with brackets top & bottom 29<sup>1/2</sup> pieces

Has the Bridge House an efficient Iron Bulkhead at the after end?

How are the openings closed? Wood storm boards in angles full height &

Is the forecastle at least as high as the main or top-gallant rail ?

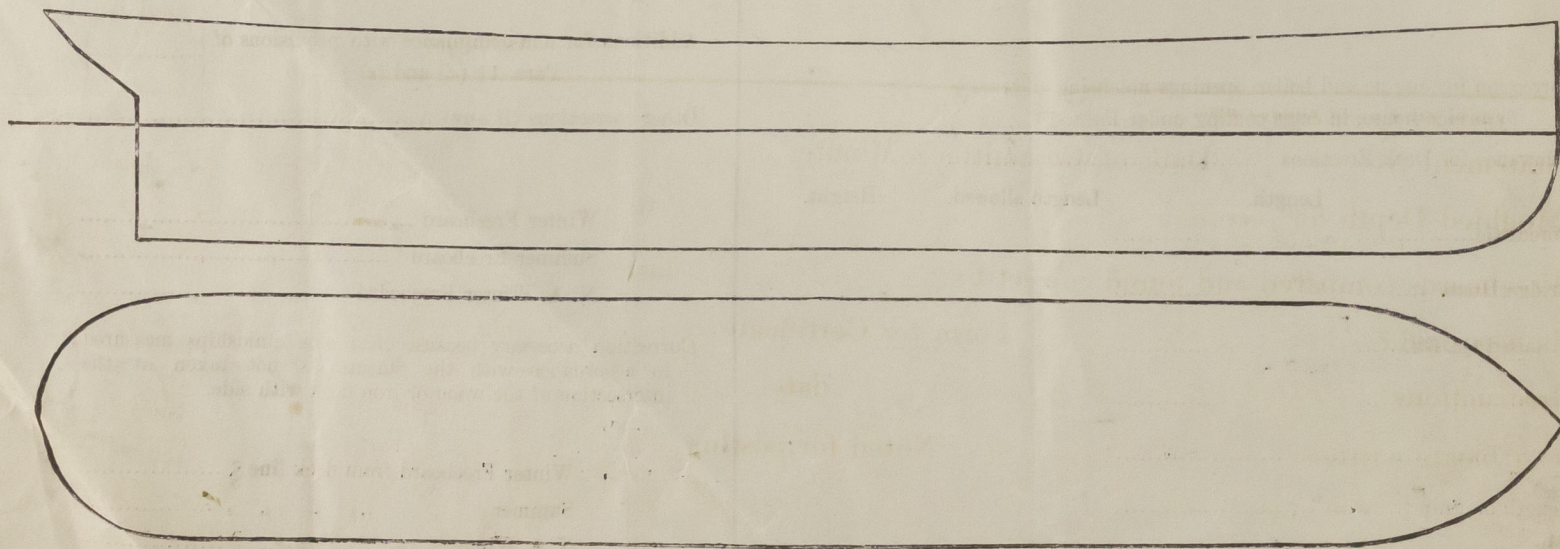
Has the Forecastle an efficient Iron or ~~Wood~~ Bulkhead at its after end?

Are the Hatchways efficiently constructed? Yes What is the thickness of the Hatches? 2 1/2"

State the height of the Coamings in fore well? 3.15' In after well 3.15'

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

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 C. Corbitson

Address *Helmsburg*

Fee £

Received by me

Fee and for 31<sup>st</sup> Aug 1006