

# Claydon's Register of British & Foreign Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

FRI. 29 MAY 1908

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 *Glasgow*  
Date of Survey *While building*  
Name of Surveyor *J. S. Mallett*

*Alba S.B. Co. No 208*

Ship's Name. <i>"Tosca"</i>	Port of Registry and Nationality. <i>Ayr British</i>	Official Number. <i>99738</i>	Gross Tonnage. <i>449</i>	Date of Build. <i>1908</i>	Particulars of Classification. <i>100 A.1 contemplated</i>
Number in Register Book					

Registered Length from Register.	LENGTH. <i>155.4</i>	BREADTH. <i>25.65</i>	DEPTH. <i>11.1</i>	UNDER DECK Tonnage. <i>324.36</i>
Length on LOADLINE	<i>154.8</i>	Frame Depth Rule <i>3</i>	Ceiling Sheer <i>+ 26</i>	Peak Tanks

Moulded Depth as measured..... *12.3*

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

CORRECTED DIMENSIONS.	<i>157.8</i>	<i>25.65</i>	<i>11.65</i>	<i>324.36</i>
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CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<i>154.8</i>	x
Length in Table .....	<i>147</i>	x
Difference .....	<i>7.8</i>	x
Correction for 10ft., Table A. ....	<i>9</i>	Table C.
x Difference divided by 10 .....	<i>.702</i>	(if required.)
If $\frac{1}{10}$ ths length covered divide by 2	<i>+.351</i>	x

Co-efficient of fineness ..... *.7* x *(.699)*

Any modification necessary [Para. 4 (a) to (e) \*]

Co-efficient as corrected ..... *.7*

P. No 7499 CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered .....	
Thickness of usual wood deck, less stringer.....	<i>3</i>
	<i>- 3</i>

Sheer at Stem... *45*  
at Sternpost... *25* }  $70 \div 2 = 35$  Mean

Sheer at  $\frac{1}{2}$  of the length from Stem *35*  
Sternpost *14* }  $39 \div 2 = 19.5$  Mean

Gradual mean Sheer .....

Standard mean Sheer (Table, Para. 18) ..... *25.48* x Correction

Difference.....  $9.52 \div 4 = -2.38$  x

§ If limited as Para. 18 (f).....

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<i>25.3</i>
Round of Beam.....	<i>6.3</i>
Normal round .....	<i>6.3</i>
Difference .....	$\div 2 =$
Proportion of Deck uncovered (Para. 19) .....	<input checked="" type="checkbox"/>

Rise in Sheer from amidships [Para. 18 (e)]

At front of bridge house.....

At after end of forecastle .....

Fall in shear [Para. 18 (d)]  $\div 2 =$

Length uncovered .....

Correction

Freeboard, Table A .....	<i>1.9</i>
Correction for Sheer .....	<i>- 2.2</i>
Correction for Length .....	<i>+ .4</i>
Allowance for Deck Erections .....	<i>1.6</i>
	<i>- .9</i>
	<i>0.9</i>
Correction for Round of Beam.....	-
Correction for fall in Sheer (if any) .....	-
Correction for Iron Deck (if required) .....	<i>- 3</i>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<i>0.64</i>
Other Corrections (if any).....	

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... *3.4*

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) } *1.62* x

Difference .....

Percentage as below..... *63.75%*

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } *+ .4*

Allowance for Deck Erections .....

Winter Freeboard .....	<i>0.64</i>
Summer Freeboard .....	<i>0.44</i>
Indian Summer Freeboard .....	-
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.	<i>1</i>
Winter Freeboard from deck line .....	<i>0.74</i>
Summer " " " " .....	<i>0.54</i>
Indian Summer " " " " .....	-
N. A. Winter, " " " " .....	-

Forecastle.....	Length. <i>23.0</i>	Length allowed. <i>21.17</i>	Height. <i>7.3</i>
Bridge House.....	<i>8.75</i>	<i>9.92</i>	<i>7.3</i>
† Raised Qr. Dk.....	<i>86.3</i>	<i>86.30</i>	<i>4.0</i>
Poop.....			
Total .....	<i>117.39</i>	<i>x .75</i>	
Length of Ship .....	<i>154.8</i>		
Corresponding percentage (Para. 11, 12, 13, or 14) }	<i>63.75</i>		

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	" " "	.....

*2.6.08*

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.

Corresponding to  $14\frac{1}{2}$  from statutory deck line 1' above iron R.Q.D.

§ 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 sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one-tenth of the vessel's length from stem and sternpost.

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MARKING REPORT

RECEIVED 17 JUN 1908

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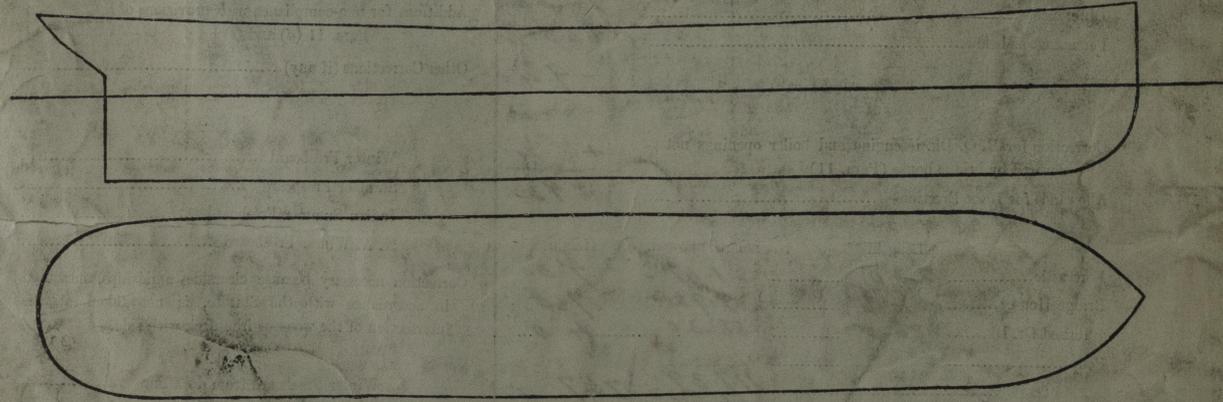
Do all the Frames extend to the top height in the Poop?  Raised Quarter Deck? *yes* Bridge House? *yes* Forecastle? *yes*  
 To what height do the Reverse Frames extend? *To 4' 6" & upper side stringer aft, & to Main Deck & Bridge stringer aft*  
 Has the Poop or Raised Quarter Deck an efficient Iron 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? *5/32* and Coaming plate? *6/32*  
 Give scantlings and spacing of the Stiffeners *3x3x2 1/2 x 2 1/2 2 bars spaced 1'-10" to 2'-6" apart*  
 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? *open*  
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Covered by R. Q. Deck*  
 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? *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.	20' x 24' x 15'-6"		on R. Q. Deck 21' x 15'-6"		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
	Ship.	Rule.	Ship.	Rule.						
COAMING.										
Height above top of DECK	3'-0"	2'-6"	3'-0"	2'-0"						
Thickness	Sides.....	9/32	9/32	9/32						
	Ends.....	5/32	5/32	5/32						
SHIFTING BEAMS OR WEB PLATES.	Number.....	Two webs	Two webs	Two webs						
	Section and Scantlings.....	24x9/32	9/32	24x9/32						
	Material.....	Steel	Steel	Steel						
FORE AND AFTERS.	Number.....	Three	Three	Three						
	Section and Scantlings.....	8x7 in	8x7	8x7 in						
	Material.....	P. Pine	7x6	P. Pine						
HATCHES Thickness.....	2 1/2	2 1/2	2 1/2	2 1/2						
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? *5/32* Cabin Strake between Main and Bridge Sheerstrakes? *5/32*  
 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~~ satisfactory.  
 Length of Bulwarks in well *36.75*  
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = *10.17* Sq. ft.  
 Ft. Tenths. Ft. Tenths. No. } Freeing Ports = *10.65* Sq. ft.  
 2.5 x 1.42 x 3 } (each side of vessel)  
 Total deficiency or excess = *.48* x Sq. ft. each side



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 *This is a sister vessel to the "Shield" the same Bulwarks No 144. The approved plans & etc are also enclosed a request form is attached.*

Owners  
 Address  
 Fee £

Received by me

