

EXT Lloyd's Register of British & Foreign Shipping. 213126  
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Particulars relating to all steam ships either flush decked, or with 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 Dundee  
Date of Survey 24th November 1910  
Name of Surveyor M. Blackwood

Ship's Name. S. "TINTO"  
Port of Registry Hull  
Official Number 132215  
Gross Tonnage 757  
Date of Build 1911  
Particulars of Classification 28100 A.I. Contemplated

Length 200.1  
Breadth 32.13  
Depth 13.45  
Under Deck Tonnage 633.94  
Frame Depth 52  
Ceiling +.20  
Peak Included  
Rule 3 1/2 x Sheer +.73  
Tanks 1 above  
+ 7.56  
Corrected Lengths 200.0  
31.82  
14.38  
641.00

Moulded Depth as measured 14' 6"  
15' 2 1/2" below  
13' 7 1/2"

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

Efficiency of fineness 698  
Any modification necessary [Para. 4 (a) to (e)]  
Efficiency as corrected 698

CORRECTION FOR LENGTH.  
Length of Ship on Loadline 200.0  
Length in Table 174.0  
Difference 26.0  
Correction for 10ft., Table A. 1 Table C.  
x Difference divided by 10 2.60 (if required.)  
If 10ths length covered divide by 2 1.3 = say + 1 1/4"

Sheer at Stem 73.75  
at Sternpost 34.00  
Mean 56.375  
Sheer at 1/2 of the length from Stem 44  
Sternpost 22  
Mean 33  
Gradual mean Sheer 53.18  
Standard mean Sheer (Table, Para. 18) 30.000  
Difference 23.18  
Correction 6.896  
If limited as Para. 18 (f) 7.04 = say - 6 1/2"

CORRECTION FOR IRON DECK.  
Proportion covered, if less than 1/10ths length covered 72% Covered  
Thickness of usual wood deck, less stringer 3.5 - .26 = 3.24 = - 3"

Rise in Sheer from amidships { At front of bridge house ✓  
[Para. 18 (e)] At after end of forecastle ✓  
Fall in sheer { Para. 18 (d) ÷ 2 =  
Length uncovered ✓ Correction

CORRECTION FOR ROUND OF BEAM.  
Breadth at Gunwale amidships 31.9  
Round of Beam 8  
Normal round 8  
Difference ✓ ÷ 2 =  
Proportion of Deck uncovered (Para. 19) ✓

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

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C. 5.90  
Correction for Length, if required (Para. 12, 13, and 14) 6"  
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) 1-8 1/4  
Difference 1-2 1/2  
Percentage as below 52.8%  
Class A appliances Bridge front Par 12 Scale.  
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)  
Allowance for Deck Erections 7.39 1/2

Freeboard, Table A 2-3  
Correction for Sheer 7.04  
Correction for Length 1.3  
Allowance for Deck Erections 7.42  
Correction for Round of Beam 1.84  
Correction for fall in Sheer (if any)  
Correction for Iron Deck (if required) 3.14  
Additions for non-compliance with provisions of Para. 11 (d) and (e) 10 3/4  
Other Corrections (if any)

Winter Freeboard 17 1/4 0 10 3/4  
Summer Freeboard 9 1/4 0 8 3/4  
Indian Summer Freeboard 7 1/4 0 6 3/4  
N. A. Winter Freeboard 13 1/4 1 0 3/4  
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 + 1 1/4"

Forecastle 25.25  
Bridge House 24.31  
+ Raised Qr. Dk. 120.50  
Poop 145.75  
Total 200  
Length of Ship 200  
Corresponding percentage (Para. 11, 12, 13, or 14) 52.8%

Winter Freeboard from deck line 12 1/2  
Summer " " " 10 1/2  
Indian Summer " " " 8 1/2  
N. A. Winter, " " " 14 1/2

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 " " Amended Tables  
Winter Line below " March, 1906  
Winter North Atlantic Line " " "

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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P.T.O.



Do the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House *Yes* Forecastle? *Yes*  
 What height do the Reverse Frames extend? *Across floors & deep framing.*  
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Poop & Bridge combined.*  
 Give particulars of the means for closing the openings in Bulkhead *✓*  
 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 *Openings 4'-5" x 2'-11 1/2" weather boards 3 1/2" full height in side channels.*  
 What is the thickness of the Bridge Front plating? *.32* and Coaming plate? *.4*  
 Give scantlings and spacing of the Stiffeners *6 x 3 x 4 1/2 B.R. spaced 30" 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? *Poop & Bridge combined.*  
 How are the openings closed? *✓*  
 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? *Covered by Bridge*  
 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? *✓*  
 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.	Nº1. 15'0" x 10'0"		Nº2 20'7 1/2" x 12'0"		Nº3. 9'4 1/2" x 12'0"		Nº4 20'7 1/2" x 12'0"			
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	30	30	31"	30"	30"	30"	30"	30"	
	Sides.....	.4	.4	.5	.48	.36	.36	.5	.48	
	Thickness									
	Ends.....	.36	.36	.4	.4	.36	.36	.4	.4	
SHIFTING BEAMS OR WEB PLATES.	Number .....	2	2	3	3	1	1	3	3	
	Section and Scantlings.....	16 x 3/4	16 x 3/4	16 x 3/4	16 x 3/4	16 x 3/4	16 x 3/4	16 x 3/4	16 x 3/4	
	Material.....	4 x 3/4	4 x 3/4	4 x 3/4	4 x 3/4	4 x 3/4	4 x 3/4	4 x 3/4	4 x 3/4	
FORE AND AFTERS.	Number.....	✓	✓	✓	✓	✓	✓	✓	✓	
	Section and Scantlings.....	✓	✓	✓	✓	✓	✓	✓	✓	
	Material.....	✓	✓	✓	✓	✓	✓	✓	✓	
HATCHES	Thickness .....	3"	3"	3"	3"	3"	3"	3"	3"	
	Remarks.....	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	

\* 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? *✓ .44* Strake between Main and Bridge Sheerstrakes? *✓ .44*

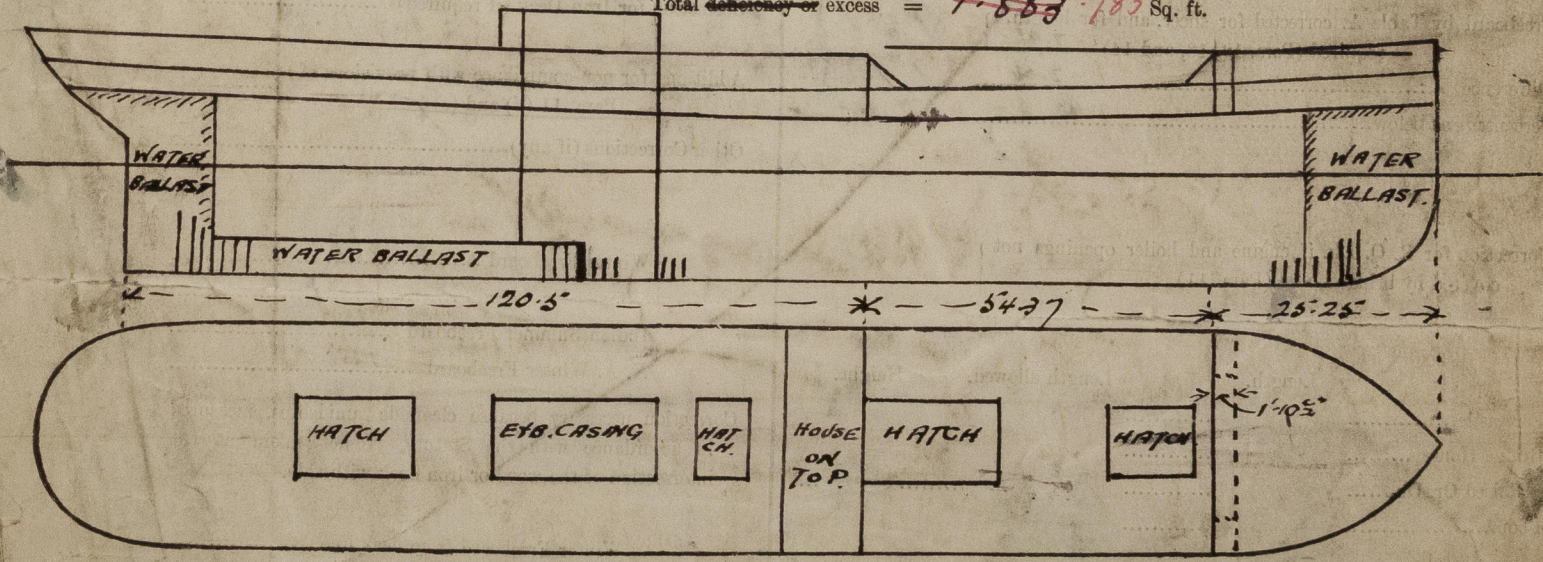
Delete the words { The Crew ~~are~~ are not, berthed in the bridge house.  
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~ satisfactory.

Length of Bulwarks in well *54.37*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *11.937* Sq. ft.

Ft. Tenths.	Ft. Tenths.	No.	Freeing Ports (each side of vessel)	= <i>13.82</i> <i>12.72</i> Sq. ft.
<i>2.83</i>	<i>1.58</i>	<i>1</i>		
<i>2.75</i>	<i>1.50</i>	<i>2</i>		

Total deficiency or excess = *7.883* *7.83* 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 *No side stringers & deep framing.*  
*Hubboard request attached hereto.*

Owners *Messrs. J. & W. Wilson & Co. Ltd.*

Address *St. Paul.*

Fee £ *10/-* Received by me *[Signature]*

