

# Lloyd's Register of British & Foreign Shipping.

MUN. 22 JUN 1908

## SURVEYS FOR FREEBOARD - STEAM SHIPS.

now 19450

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 Greenock  
Date of Survey White Building  
Name of Surveyor J. French

Ship's Name. <u>SRS RUSSELL Y.C. S.S. No 587</u>	Port of Registry and Nationality. <u>TRIESTE</u>	Official Number. <u>✓</u>	Gross Tonnage. <u>✓</u>	Date of Build. <u>1908</u>	Particulars of Classification. <u>100.A.1. STEEL SPAR DECK (CONTEMPLATED)</u>
Number in Register Book <u>✓</u>	<u>AUSTRIAN</u>				

Registered dimensions from ship's Register.	LENGTH. <u>400.0</u>	BREADTH. <u>52.0</u>	DEPTH. <u>27.3</u>	UNDER DECK Tonnage. <u>4467.65</u>
Length on LOADLINE	<u>399.5</u>	Frame Depth Rule <u>11</u>	Ceiling <u>FITTED</u>	Peak Tanks <u>INCLUDED ABOVE</u>
CORRECTED DIMENSIONS.	<u>399.5</u>	<u>51.17</u>	<u>28.384</u>	<u>4467.65</u>

Co-efficient of fineness ..... .769  
 Any modification necessary [Para. 4 (a) to (e)\*] -.019 for C.D.B.  
 Co-efficient as corrected ..... .75\*

Sheer { Stem... 120 } 178 ÷ 2 = 89 ... Mean  
 at { Sternpost... 58 }  
 Sheer at 1/2 of the length from { Stem 66 } 98 ÷ 2 = 49 ... Mean  
 { Sternpost 32 }  
 Gradual mean Sheer ..... 89  
 Standard mean Sheer (Table, Para. 18) ..... 49.95 Correction  
 Difference..... 39.05 ÷ 4 = -9.76  
 § If limited as Para. 18 (f)..... SAY - 9 3/4

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

ALLOWANCE FOR DECK ERECTIONS :—  
 Freeboard, Table C..... 4.3 3/4  
 Correction for Length, if required (Para. 12, 13, and 14) ..... + 3/4  
4-7  
 Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 7.1 1/2  
 Difference ..... 2.6 1/2  
 Percentage as below..... 39.7%  
= - 12.1  
 Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } ✓  
 Allowance for Deck Erections ..... SAY - 12"

	Length.	Length allowed.	Height.
Forecastle.....	<u>40.5</u>	<u>CLOSED 40.5</u>	<u>7-6</u>
Bridge House .....	<u>119.75</u>	<u>Do. 119.75</u>	<u>7-9</u>
† Raised Qr. Dk.....			
Poop.....	<u>78.00</u>	<u>Do. 78.00</u>	<u>7-0</u>
Total .....		<u>238.25</u>	<u>5963</u>
Length of Ship .....	<u>399.5</u>		
Corresponding percentage (Para. 11, 12, 13, or 14) }	<u>39.7%</u>		

**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 3 1/2 ...  
 Winter Line below " "M... ...  
 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.  
 § In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-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..... 30-0 1/2  
 3" sheathing in wells -  
 Moulded depth to use 29-11 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..... 399.5  
 Length in Table ..... 359.5  
 Difference ..... 40  
 Correction for 10ft., Table A. .... 1.5 Table C.  
 × Difference divided by 10 ..... 10/60.0 (if required.)  
 If 1/10ths length covered divide by 2 6.0  
+6"  
10/32.0  
3.20  
+3 1/4"

CORRECTION FOR IRON DECK.  
 Proportion covered, if less than 1/10ths length covered ..... 5.963  
 Thickness of usual wood deck, less stringer..... 3 1/2  
Spar Dk sheathed in wells with 3" p.p.

CORRECTION FOR ROUND OF BEAM.  
 Breadth at Gunwale amidships..... 49-10  
 Round of Beam..... 12 1/2  
 Normal round ..... 12 1/2  
 Difference ..... ✓ ÷ 2 =  
 Proportion of Deck uncovered (Para. 19) ..... ✓

Freeboard, Table A ..... 7-5 1/4  
 Correction for Sheer ..... - 9 3/4  
6-7 1/2  
 Correction for Length ..... + 6  
7-1 1/2  
 Allowance for Deck Erections ..... - 1-0  
6-1 1/2  
 Correction for Round of Beam..... ✓  
 Correction for fall in Sheer (if any) ..... ✓  
 Correction for Iron Deck (if required) ..... - 3  
5-10 1/2  
 Additions for non-compliance with provisions of }  
 Para. 11 (d) and (e) † }  
 Other Corrections (if any)..... ✓

Winter Freeboard ..... 5-10 1/2  
 Summer Freeboard ..... 5-5  
 Indian Summer Freeboard ..... 4-11 1/2  
 N. A. Winter Freeboard .....

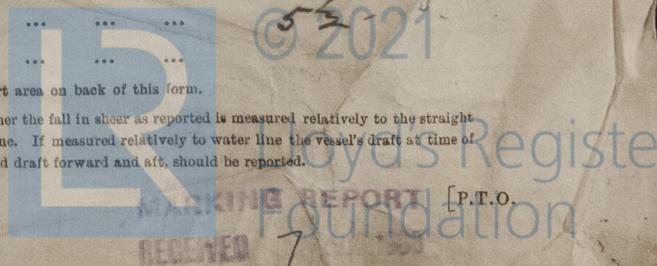
Correction necessary because clearside amidships, measured in accordance with the Statute, is not taken at the intersection of the wood or iron deck with side. }  
STEEL  
1 3/4"

Winter Freeboard from deck line ..... 6-0 1/4  
 Summer " " " ..... 5-6 3/4  
 Indian Summer " " " ..... 5-1 1/4  
 N. A. Winter, " " " ..... 5-6 1/2

23.6.08  
 Fresh Water Line above centre of Disc ...  
 Indian Summer Line " "Amended 3 1/2 ...  
 Winter Line below " "M... ...  
 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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18 23/6/08

Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*  
 To what height do the Reverse Frames extend? *to main and spar Decks alternately*  
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *3' Storm boards fitted full height in channels riveted to bulkhead*  
 Give particulars of the means for closing the openings in Bulkhead *Steel hinged doors fitted*  
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *No* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*  
 Give particulars of the means for closing the openings in Bulkhead *Steel hinged doors fitted*  
 What is the thickness of the Bridge Front plating? *7/20* and Coaming plate? *8/20*  
 Give scantlings and spacing of the Stiffeners *B.A. 8 1/2 x 3 1/2 + 1 1/2 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? *Yes*  
 How are the openings closed? *3' Storm boards fitted full height of openings in channels riveted to bulkhead*  
 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 a 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? *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. 1. 24.0 x 16.0 x 3.0		No. 2. 28.2 x 16.0 x 3.0		No. 3. 28.2 x 16.0 x 3.0		No. 4. 24.0 x 16.0 x 1.8		Ship.	Rule.	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	
COAMING.	Height above top of DECK	30	24	30	24	30	24	18	18		
	Thickness	Sides	9/20	9/20	9/20	9/20	9/20	9/20	8/20	8/20	
		Ends	8/20	8/20	8/20	8/20	8/20	8/20	8/20	8/20	
SHIFTING BEAMS OR WEB PLATES.	Number	Two	Two	Two	Two	Two	Two	Two	Two		
	Section and Scantlings	Pl. 8/20 4.3 x 3 x 8/20	8/20 3 x 3 x 8/20	Ditto		Ditto		Ditto			
	Material	Steel	Steel	Ditto		Ditto		Ditto			
FORE AND AFTERS.	Number	Three	Three	Three	Three	Three	Three	Three	Centre	Sides	
	Section and Scantlings	Centre Bulk 10 x 19/20 8/20 3 x 3 x 8/20	3 x 3 x 8/20	Ditto		Ditto		Ditto		Bulk 10 x 19/20	3 x 3 x 8/20
	Material	Steel	Steel	Ditto		Ditto		Ditto			
HATCHES	Thickness	3	3	Ditto		Ditto		Ditto			
Remarks	W.P.		W.P.		Ditto		Ditto				

\* 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? *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  
 Area of Freeing Ports required by Para. 11 (e) each side of vessel =  Sq. ft.  
 Ft. Tenths.    Ft. Tenths.    No.    }  
                   x                   x                    } Freeing Ports =  Sq. ft.  
                   x                   x                    } (each side of vessel)  
 Total deficiency or excess =  Sq. ft.

*This is a sister vessel to the Ss Columbia  
 Greenock Freeboard Report No 15322  
 The approved plans are now in the London  
 Office with First Entry Report No 15373 on Columbia  
 Request form attached*  
*J. G. J.*  
*20.6.08*

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

Owners

Address

Fee £

Received by me

