

# Lloyd's Register of British & Foreign Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

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 Aberdeen  
 Date of Survey 6<sup>th</sup> to 9<sup>th</sup> December 1909  
 Name of Surveyor Ridley Howell

Ship's Name. Atlantic Tide Number 455  
 Port of Registry and Nationality. Hull  
 Official Number. ✓  
 Gross Tonnage. ✓  
 Date of Build. 1909-10  
 Particulars of Classification. 100. A. 1. "Well deck"  
Contemplated.

Registered Length on LOADLINE 154.66  
 Breadth 25.25  
 Depth 9.85  
 Under Deck Tonnage 294.99  
 Frame Depth 4  
 Rule 3  
 Ceiling 1.208  
 Sheer 1.458  
 Tanks 11.338  
 Corrected Dimensions. 154.66 25.084 11.78 309.328

Moulded Depth as measured 12' 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 154.66  
 Length in Table 146  
 Difference 8.66  
 Correction for 10ft., Table A. .9  
 × Difference divided by 10 .749  
 If  $\frac{1}{10}$ ths length covered divide by 2 .389  
+ 1/2

## CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered .763  
 Thickness of usual wood deck, less stringer 3  
- 3"

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships 25  
 Round of Beam 6  
 Normal round 6.25  
 Difference 25 ÷ 2 = 12.5  
 Proportion of Deck uncovered (Para. 19) .237

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

Co-efficient of fineness 309.328  
 Any modification necessary [Para. 4 (a) to (e) \*]  
 Co-efficient as corrected .645

Sheer at Stem 56 1/2"  
 at Sternpost 15 1/2"  
 Mean 36"  
 Sheer at 1/3 of the length from Stem 29 1/2"  
 at Sternpost 9"  
 Mean 19 1/4"  
 Gradual mean Sheer 35  
 Standard mean Sheer (Table, Para. 18) 25 1/4  
 Difference 9.54  
 If limited as Para. 18 (f) 2.38

Rise in Sheer from amidships  
 Para. 18 (e) At front of bridge house 3 1/4"  
 At after end of forecastle 29 1/2"

Fall in shear  
 Para. 18 (d) ✓ ÷ 2 = ✓  
 Length uncovered ✓  
 Correction

## ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C 3.16  
 Correction for Length, if required (Para. 12, 13, and 14) 1-6.45  
 Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) 1-6.45  
 Difference 1-3.29  
 Percentage as below 64.43  
 Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) + 1/4  
 Allowance for Deck Erections - 9 1/2

Length. 16.0  
 Height. 6.25  
 Bridge House 8.45  
 Height. 8.66  
 Raised Qr. Dk. 89.83  
 Height. 3.83  
 Total 118.08  
 Length of Ship 154.66  
 Corresponding percentage 64.43

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 " " "

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.

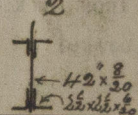
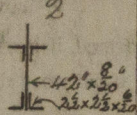
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2 Plans Copy to Surveyor W491-0166



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? *(In machinery space only) to upper turn of bilge.*  
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *connected to bridge.*  
 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 *no openings.*  
 What is the thickness of the Bridge Front plating? *20"* and Coaming plate? *20"*  
 Give scantlings and spacing of the Stiffeners *BA 6" x 3" x 20" spaced 30", braced top bottom, Bridge plated across at fore end 21/2"*  
 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? *Strong teak door.*  
 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? *no. Raised Quarter deck.*  
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *yes.*  
 Give thickness of plating; scantlings and spacing of Stiffeners *Coaming 20", top sides 20". Stiffeners, angles 3 1/2" x 3" x 20" spaced 30".*  
 What is the height of the exposed Casings? *6' 6"* Are suitable means provided for closing all openings in them in bad weather? *Steel hinged doors.*  
 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.		Inwell. 24' 5" x 14' 0"		T.B. Q.D. 24' 5" x 14' 0"							
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	36"	30"	36"	24"						
	Sides.....	2	2	2	2	✓	✓	✓	✓	✓	✓
	Thickness	20	20	20	20						
	Ends.....	20	20	20	20						
SHIFTING BEAMS OR WEB PLATES.	Number .....	2	2	2	2						
	Section and Scantlings.....					✓	✓	✓	✓	✓	✓
	Material.....	<i>4 1/2" x 20" 23 x 23 x 20</i>		<i>4 1/2" x 20" 23 x 23 x 20</i>							
FORE AND AFTERS.	Number.....	3	3	3	3						
	Section and Scantlings.....	<i>Centre 8" x 4" Sides 7" x 6"</i>	<i>8 x 7</i>	<i>Centre 8" x 4" Sides 7" x 6"</i>	<i>8 x 7</i>	✓	✓	✓	✓	✓	✓
	Material.....	<i>Pitch pine.</i>	<i>7 x 6</i>	<i>Pitch pine.</i>	<i>7 x 6</i>						
HATCHES Thickness .....		<i>2 1/2" W.W.</i>		<i>2 1/2" W.W.</i>							
Remarks.....		<i>Solid</i>		<i>Solid.</i>							

\* 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? *20"* Strake between Main and Bridge Sheerstrakes? *20"*

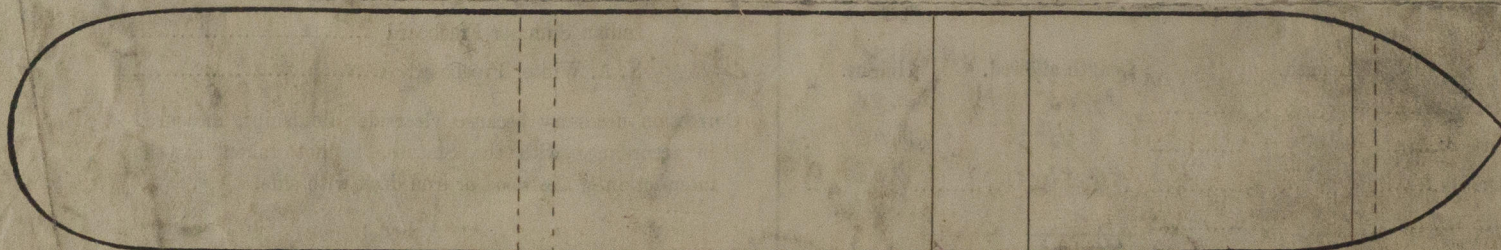
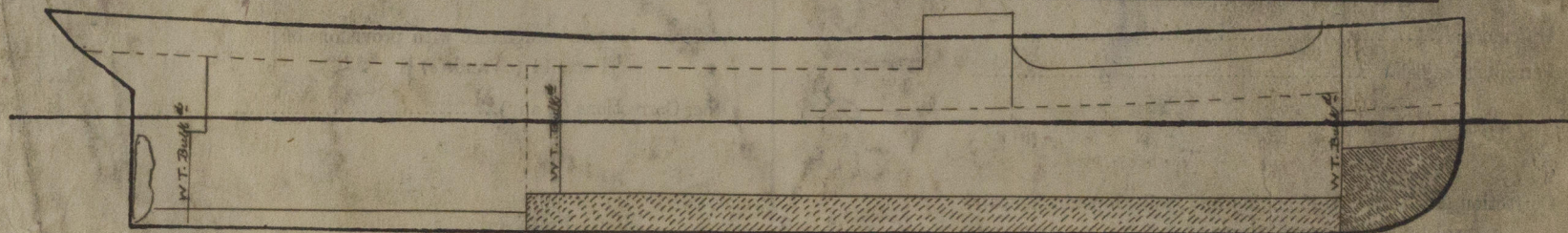
Delete the words { The Crew ~~are~~ are not, berthed in the bridge house. that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, ~~are not~~ satisfactory. *Special facilities*

Length of Bulwarks in well *36.66 ft.*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *10.166* Sq. ft.

Ft. Tenths.	Ft. Tenths.	No.	Freeing Ports (each side of vessel) =	<i>10.485</i> Sq. ft.
<i>2.33</i>	<i>1.5</i>	<i>3</i>		
<i>✓</i>	<i>✓</i>	<i>✓</i>		

Total deficiency or excess = *.319* 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 *Heavy angle framing No reversed frames except in machinery space. Main & Raised Quarter Decks, Steel, uncovered. Midship section & Profile plans, enclosed for reference.*

Owners

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