

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD - STEAM SHIPS.

No. 29298

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 Geo M Shaw

Messrs J Gulliston & Co. No. 216

Ship's Name. <u>Clydeholm</u>	Port of Registry and Nationality. <u>Glasgow British</u>	Official Number. <u>129523</u>	Gross Tonnage. <u>793</u>	Date of Build. <u>1910</u>	Particulars of Classification. <u>100A1 contemplated</u>
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH. <u>199</u>	BREADTH. <u>30.15</u>	DEPTH. <u>11.25</u>	UNDER DECK Tonnage. <u>557.76</u>
Length on LOADLINE	<u>199</u>	Frame Depth <u>5.76</u> Rule " <u>3.5</u>	Sheer <u>+ .44</u> Peak } Includes Tanks	
CORRECTED DIMENSIONS.	<u>199</u>	<u>29.78</u>	<u>11.94</u> <u>12.69</u>	<u>550</u> <u>557.76</u>

Moulded Depth as measured 13.7

14.25 / 2.54 = 11.6
14.25 / 1.4 = 12.10

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

Co-efficient of fineness 87.79

Any modification necessary [Para. 4 (a) to (e)*] See 10B

Co-efficient as corrected 87.77

CORRECTION FOR LENGTH.

Length of Ship on Loadline 199

Length in Table 163

Difference 36

Correction for 10ft., Table A. .916 Table C.

× Difference divided by 10 3.2430 (if required.)

If $\frac{1}{10}$ ths length covered divide by 2 1.6215 + 1 3/4

Sheer at Stem 61 } 92 ÷ 2 = 46 ... Mean

at Sternpost 31 }

Sheer at $\frac{1}{2}$ of the length from Stem 34 } 52 ÷ 2 = 26 ... Mean

Sternpost 18 }

Gradual mean Sheer 47.2

Standard mean Sheer (Table, Para. 18) 29.9 Correction

Difference 16.1 ÷ 4 = 4

§ If limited as Para. 18 (f) - 4

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered .76

Thickness of usual wood deck, less stringer 3

- 23

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

At front of bridge house ✓

At after end of forecastle ✓

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships ✓

Round of Beam 7 1/2

Normal round 7 1/2

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.

Fall in sheer [Para. 18 (d)]

Lowest point of sheer ✓

÷ 2 = ✓

Length uncovered ✓ Correction ✓

Freeboard, Table A	<u>2 - 2 1/2</u>
Correction for Sheer	<u>4</u>
Correction for Length	<u>1 3/4</u>
Allowance for Deck Erections	<u>9 3/4</u>
Correction for Round of Beam	<u>2 1/4</u>
Correction for fall in Sheer (if any)	<u>✓</u>
Correction for Iron Deck (if required)	<u>0 - 23</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>0 - 11</u>
Other Corrections (if any)	<u>✓</u>

ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C	<u>5.62</u>	<u>85 1/2</u>
Correction for Length, if required (Para. 12, 13, and 14)	<u>1.994</u>	<u>✓</u>
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14)	<u>1 - 10 1/2</u>	<u>✓</u>
Difference	<u>1.432</u>	<u>4 1/2</u>
Percentage as below	<u>64.22</u>	<u>✓</u>
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)	<u>+ 3/4</u>	<u>✓</u>
Allowance for Deck Erections	<u>9 3/4</u>	<u>✓</u>

Winter Freeboard	<u>10.79</u>	<u>0 1/2 - 11</u>
Summer Freeboard	<u>8.90</u>	<u>0 1/2 - 13.9</u>
Indian Summer Freeboard	<u>✓</u>	<u>✓</u>
N. A. Winter Freeboard	<u>✓</u>	<u>✓</u>

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	Length <u>35.5</u> open	Length allowed <u>30.25</u>	Height <u>7.0</u>
Bridge House	<u>✓</u>	<u>19</u>	<u>✓</u>
† Raised Qr. Dk.	<u>121.34</u> closed	<u>121.34</u>	<u>4.0</u>
Poop	<u>✓</u>	<u>✓</u>	<u>✓</u>
Total	<u>151.53</u>	<u>76.15</u>	<u>✓</u>

Winter Freeboard from deck line	<u>11.03</u>	<u>1 - 1 1/2 0 1/4</u>
Summer " " "	<u>10.14</u>	<u>0 - 3 10 1/4</u>
Indian Summer " " "	<u>✓</u>	<u>✓</u>
N. A. Winter " " "	<u>✓</u>	<u>✓</u>

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck :-

Fresh Water Line	above centre of Disc	<u>10.9.10</u>
Indian Summer Line	" " "	<u>✓</u>
Winter Line	below " " "	<u>✓</u>
Winter North Atlantic Line	" " "	<u>✓</u>

Amended Tables March, 1906.

† State dimensions of freeing port area on back of this form.

§ 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 from the stem and stern-post.

§ 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 for the vessel, should be reported.

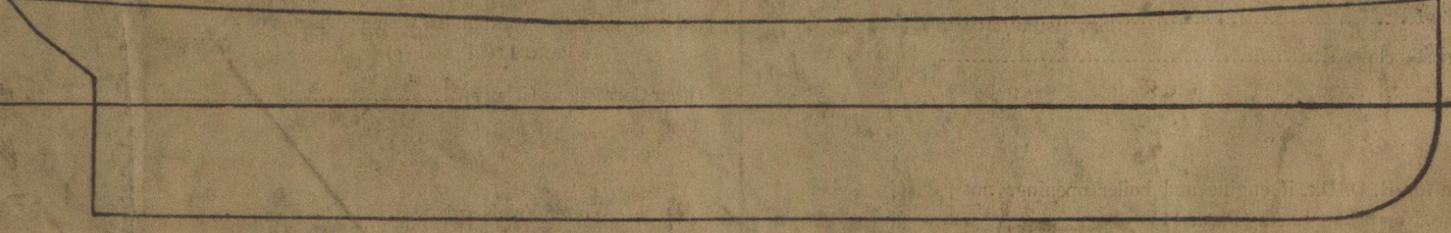
Do all the Frames extend to the top height in the Poop? Raised Quarter Deck? *yes* Bridge House? Forecastle? *yes*
 To what height do the Reverse Frames extend? *across floor (double across floor in 103 chaw) Bulk and*
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *yes*
 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? Has the Bridge House an efficient Bulkhead at the fore end?
 Give particulars of the means for closing the openings in Bulkhead
 What is the thickness of the Bridge Front plating? and Coaming plate?
 Give scantlings and spacing of the Stiffeners
 Are bracket plates fitted at each end of the Stiffeners? Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks?
 Has the Bridge House an efficient Iron Bulkhead at the after end?
 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? *no*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *yes*
 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.	No. 1. 36.5 16.5		No. 2. 34.83 x 16.5							
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	3.6		2.6						
	Thickness	Sides	.48		.48					
		Ends	.40		.40					
SHIFTING BEAMS OR WEB PLATES.	Number	Three		Three						
	Section and Scantlings	7/8 3x3x4.0 4/8 centre 3.0 3/4 Side 2.9		7/8 3x3x4.0 4/8 centre 2.0 3/4 Side 1.10						
	Material	Steel		Steel						
FORE AND AFTERS.	Number	Three		Three						
	Section and Scantlings	Centre 9 1/2 x 8 Sides 8 1/2 x 7 1/2 P.P.		Centre 9 1/2 x 8 Sides 8 1/2 x 7 1/2 P.P.						
	Material	P.P.		P.P.						
HATCHES Thickness	3		3							
Remarks	P.P.		P.P.							

* 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. *will be*
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters ~~are~~, are not satisfactory. *see note below*
 Length of Bulwarks in well 42.16 ✓
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = 10.872 Sq. ft.
 Ft. Tenths. Ft. Tenths. No. }
 2.5 x 1.5 x 3 } Freeing Ports = 11.25 Sq. ft.
 (each side of vessel)
 Total deficiency or excess = .45 Sq. ft.
.53



A gangway will be fitted before vessel is complete to enable the crew to get to their quarters

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 *new vessel*

Three approved plans enclosed for reference Request form attached

Owners _____
 Address _____
 Fee £ _____

Received by me _____

