

Lloyd's Register of British & Foreign Shipping.

FRI. MAR 26. 1913

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

22912

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 Sunderland.
Date of Survey Whilst building
Name of Surveyor AmmcLaden.

Sunderland S.B. 605 No. 275.

Table with columns: Ship's Name (TIARA), Port of Registry and Nationality (Newcastle British), Official Number (133529), Gross Tonnage (4068), Date of Build (1913), Particulars of Classification (+100 A1 (Contemplated)).

Table with columns: Registered Dimensions from Ship's Register, Length on Loadline, Breadth, Depth, Under Deck Tonnage. Includes handwritten values like 364.0, 50.8, 24.25, 3747.17.

Moulded Depth as measured 26' 8"
27-8
3-5 1/2
24-2 1/2

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

Efficiency of fineness .809
Any modification necessary [Para. 4 (a) to (e)]* .02 C.D.B.
Efficiency as corrected .789

Table: CORRECTION FOR LENGTH. Length of Ship on Loadline 364.0, Length in Table 320.0, Difference 44.0, Correction for 10ft., Table A 1.4, Table C .7, etc.

Sheer at Stem 110, at Sternpost 67, Mean 88.5
Sheer at 1/2 of the length from Stem 58.5, Sternpost 33.5, Mean 46.0
Standard mean Sheer [Table, Para. 18] 46.40
Difference 37.23 / 4 = 9.30

CORRECTION FOR IRON DECK. Proportion covered, if less than 1/10ths length covered 46.4%
Thickness of usual wood deck, less stringer 3/2 - 1 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)] Lowest point of sheer is amidships
Length uncovered Correction

CORRECTION FOR ROUND OF BEAM. Breadth at Gunwale amidships 48.0, Round of Beam 12, Normal round, Difference / 2 =

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

Table: ALLOWANCE FOR DECK ERECTIONS. Freeboard, Table C 3.22, Correction for Length 3, Freeboard by Table A 6.02, Difference 2.63, Percentage as below 29.48%

Table: Freeboard, Table A 6.33, Correction for Sheer 9.2, Correction for Length 6.2, Allowance for Deck Erections 9, Correction for Round of Beam, Correction for fall in Sheer, Correction for Iron Deck 1.2, Additions for non-compliance with provisions of Para. 11 (d) and (e) 5.12

Table: Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) -9
Allowance for Deck Erections -9
Length, Length allowed, Height for Forecastle, Bridge House, Raised Qr. Dk., Poop, Total 168.91 = 46.40

Table: Winter Freeboard 5.12, Summer Freeboard 4.9, Indian Summer Freeboard 4.42, 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 + 1 3/4

Table: 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

Table: Winter Freeboard from deck line 5.34, Summer 4.10 3/4, Indian Summer 4.6 1/4, N.A. Winter, 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 3/4

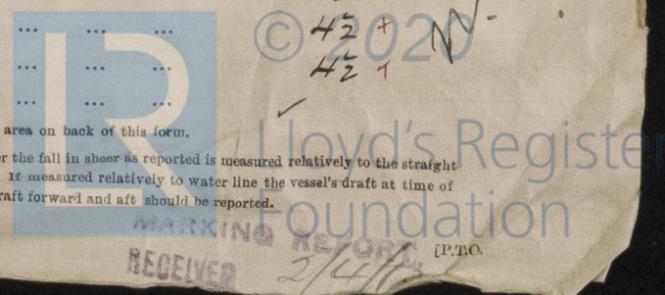
* If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
† In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level 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 eighth of the vessel's length from stem and sternpost.

† 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. It measured relatively to water line the vessel's draft at time of survey, and also the usual draft forward and aft should be reported.

14-13

24/3/13

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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? *B.A. framing.*
 Has the Poop on Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *yes.*
 Give particulars of the means for closing the openings in Bulkhead *Storm boards fitted full height in riveted channels.*
 Is the Poop on 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 *2 openings 4.9 x 3.7 - Angled steel doors fitted over openings.*
 What is the thickness of the Bridge Front plating? *.42* and Coaming plate? *.42*
 Give scantlings and spacing of the Stiffeners *8 x 3 1/2 x .64 B. angles 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? *Storm boards fitted full height in riveted channels.*
 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? *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		No 2		No 3		No 4		Ship.	Rule.
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.		
Height above top of DECK	39	24	45	24	39	24	37	24		
COAMING Thickness	Sides	.50	.50	.50	.50	.50	.50	.50		
	Ends	.40	.40	.40	.40	.40	.40	.40		
SCUTTLES BEAMS OR WEB PLATES	Number	four	four	four	four	four	four	four		
	Section and Scantlings	Handles 4 x 2 x .40	← as in	no 1 hatchway	→					
	Material	Steel .34								
* FORE AND AFTERS	Number		None.							
	Section and Scantlings									
	Material									
HATCHES Thickness	3'	3'	3'	3'	3'	3'	3'	3'		
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? Strake between Main and Bridge Sheerstrakes?

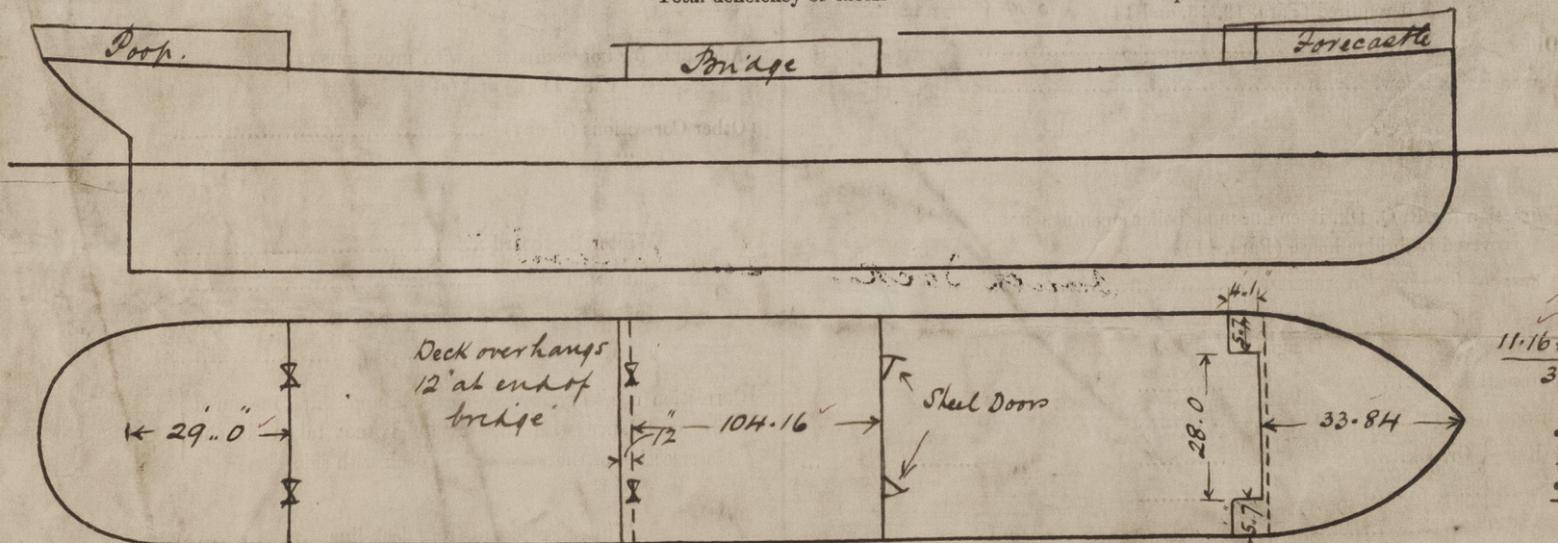
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

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	x	x		Freeing Ports (each side of vessel)	Sq. ft.
x	x	x	x			

Total deficiency or excess = 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 *The approved plans (2) of the vessel are enclosed for reference. Freeboard request form No. 9 enclosed.*

Owners

Address

Fee £

Received by me



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