Rp. 1b.

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Preliminary

Lloyd's Register of 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 ~~DIS~~CONNECTED, ~~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: James R Clark.

Ship's Name	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
Barclay 607. (Number in Register Book)	✓	✓	✓	Building	+ 100 A1 Full scantling (contemplated). Revised Rules.

	Length.	Breadth.	Depth.	Under Deck Tonnage.
Registered Dimensions from Ship's Register.	400	54.75 mld. 55.0 extr.	29.67	
Length on Loadline.	400	Frame Depth 1/2 Rule " 1/2 − .91 Vert Spar + .13 in 2.3.4 Holds	Ceiling + .20 Sheer + .901 Level tank.	Peak Tanks
Corrected Dimensions.	400.	54.75 .29	30.778	5,280 app.

Moulded Depth as ~~measured~~ designed ..... 32' 0". ✓

Addition for Keel below base line for draught record ..... inches.

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

32 − 0
1 − 1½
33 − 1½
3 − 5/4
29 − 8¼

Co-efficient of fineness ..... ~~.80~~ .79
Any modification necessary [Para. 4 (a) to (e)]* ..... − .02
Co-efficient as corrected ..... ~~.78~~ .77

Sheer at { Stem ..... 108 / Sternpost ... 54 } 162 ÷ 2 = 81 ...Mean

Sheer at ⅛ of the length from { Stem 61 / Sternpost 30 } 91 ÷ 2 = 45.5 ...Mean

Gradual mean Sheer ..... allowed 81.~~75~~.86

Standard mean Sheer [Table, Para. 18] 50

Difference ..... 31.~~75~~.86 ÷ 4 = Correction 7.96 − 8"

§ If limited as Para. 18 (f) .....

82.~~572~~ 50 36) 31.~~572~~ .901 45.5 .55 = 82.~~572~~

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 ..... 5'-~~3~~ 2¾" ✓
Correction for Length, if required (Para. 12, 13, and 14) ..... ✓

Freeboard by Table A. corrected for sheer, ~~and for length, if required (Para. 12, 13, and 14)~~ } 7'-~~8~~ 8¾"
Difference ..... 2'-6"
Percentage as below ..... ~~78%~~ 78.4%

64.2%
1926

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) } 23.52
Allowance for Deck Erections ..... − 1'-11½" ~~2'-0"~~

	Length.	Length allowed.	Height.
Forecastle ..... Bridge House	269.25	269.25	8'-0"
† ~~Raised Qr. Dk.~~ ..... Poop	67.75.	67.75	8'-0"
Total		337.0	
Length of Ship		400	= ~~84%~~ .842
Corresponding percentage (Para. 11, ~~12, 13, or 14~~)	78.4%	~~78%~~.	

Correction for Iron Deck.
Proportion covered, if less than 7/10ths length covered .....
Thickness of usual wood deck, less stringer ..... 3½" − 3½"

CORRECTION FOR LENGTH.

Length of Ship on Loadline	400'	
Length in Table	384	
Difference	16	
Correction for 10ft., Table A.	1.6	Table C.
× Difference divided by 10	2.56	(if required.)
If 6/10ths length covered divide by 2	~~1'-1½"~~ 1.28	+ 1¼"

CORRECTION FOR IRON DECK.
Proportion covered, if less than 7/10ths length covered .....
Thickness of usual wood deck, less stringer ..... 3½" − 3½"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships	54.75
Round of Beam	13½"
Normal round	13.68
Difference	.18 ÷ 2 = ... .09.
Proportion of Deck uncovered (Para. 19)	✓

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

Freeboard, Table A	8'-~~3~~ 4¾"
Correction for Sheer	− 8
	7'-~~8~~ 8¾"
Correction for Length	+ ~~1~~ 1¼
	7'-10"
Allowance for Deck Erections	− ~~2'-0"~~ 1-11½
	5'-~~8~~ 10½"
Correction for Round of Beam	✓
Correction for fall in Sheer (if any)	✓
Correction for Iron Deck (if required)	− 3½"
	5-7~~8~~
Additions for non-compliance with provisions of Para. 11 (d) and (e) ‡	✓
Other Corrections (if any)	✓

Winter Freeboard		5'-7~~8~~"
Summer Freeboard	6¼"	5'-~~8~~ 0¾"
Indian Summer Freeboard		4'-~~8~~ 6½"
~~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~~ steel deck with side. } ~~1~~" 1¾"

Winter Freeboard from deck line	5'-~~8~~ 8¾"
Summer " " " "	5'-~~8~~ 2½"
Indian Summer " " "	4'-~~8~~ 8¼"
~~N. A. Winter~~ " " " "	✓

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

Fresh Water Line	above centre of Disc	5'-2½"	5'-~~3~~" ½"
Indian Summer Line	" " "	6½"	6½"
Winter Line	below " "	6½"	~~5½~~ 6½"
~~Winter North Atlantic Line~~	" " "	6"	6"

* 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 long poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

‡ 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, vessel's draft at time of survey, and also the usual load draft forward and aft should be reported.

25.4.924

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Do all the Frames extend to the top height in the Poop? ..... Raised Quarter Deck? ..... Bridge House? ..... Forecastle? .....

To what height do the Reverse Frames extend? .....

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? .....

Give particulars of the means for closing the openings in Bulkhead .....

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? ..... Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? .....

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? .....

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:— .....

Position and Size. Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK										
COAMING. Thickness { Sides.....										
COAMING. Thickness { Ends.....										
SHIFTING BEAMS OR WEB PLATES. Number										
SHIFTING BEAMS OR WEB PLATES. Section and Scantlings										
SHIFTING BEAMS OR WEB PLATES. Material										
* FORE AND AFTERS. Number										
* FORE AND AFTERS. Section and Scantlings										
* FORE AND AFTERS. Material										
HATCH [illegible] Thickness										
HATCH [illegible] Remarks										

Particulars with Survey Report

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

(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? .....

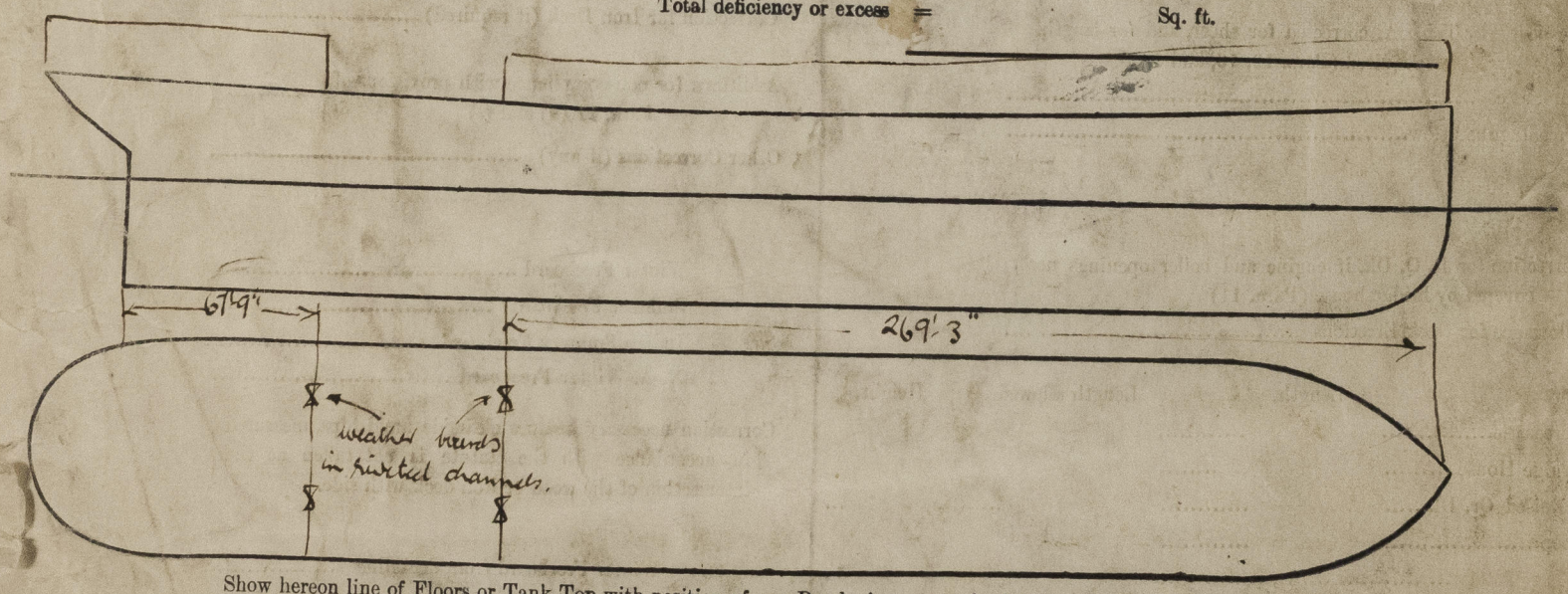
Delete the words that do not apply { The Crew *are, are not,* berthed in the bridge house. / The arrangements to enable them to get backwards and forwards from their quarters *are, are not* satisfactory.

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.			
		×		×	Freeing Ports (each side of vessel)	=	Sq. ft.
		×		×			

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 vessel is to be built on the basis of the New Rules. Midship Section and Profile enclosed for reference.

Owners Ellerman Ltd

" Address Liverpool.

Fee £ .....

Received by me .....

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