

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

Burial 75233

TUESDAY 18 SEP 1917

Report No 37134

25335

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 JAMES LAMM

Ship's Name. FA. SS BOXOL <i>BARCLAY CURLE & CO. L.R. NO 549</i>	Port of Registry and Nationality. <i>London</i> British	Official Number. 140355	Gross Tonnage. 1115	Date of Build. 1914	Particulars of Classification. +100A1. CARRYING PETROLEUM IN BULK WITH FREEBOARD (CONTEMPLATED)
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Registered dimensions from ship's Register.	LENGTH. 210.0	BREADTH. 34.4	DEPTH. 16.65	UNDER DECK TONNAGE. 861.04
Length on LOADLINE.	210.0	MEAN Frame Depth Rule <u>4</u>	Ceiling <u>+ .20</u> Sheer <u>- .30</u>	Peak INCLUDED Tanks <u>ETB FLOORS.</u> <u>+ 19.30 TONS</u> FLOORS IN HOLD <u>+ 2.00</u>
CORRECTED DIMENSIONS.	210.0	34.63	16.55	882.34

Moulded Depth as measured..... 16.6
HEEL ALLOWANCE = 1"

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

Co-efficient of fineness..... 1/3
Any modification necessary [Para. 4 (a) to (e)]*
Co-efficient as corrected 1/3

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	210
Length in Table	198
Difference	12
Correction for 10ft., Table A.	1.0 Table C.
× Difference divided by 10	1.2 (if required.)
If 1/10ths length covered divide by 2	.60 SAY <u>+ 1/2</u>

Sheer {Stem..... 36 } 54 ÷ 2 = 27 ...Mean
at {Sternpost ... 18 }
Sheer at 1/2 of the length from {Stem 15.5 } 23.5 ÷ 2 = 11.75 ...Mean
{Sternpost 8.0 }
Gradual mean Sheer plotted 20.31 = 21.36
Standard mean Sheer [Table, Para. 18] 31.00 Correction
Difference..... 10.64 ÷ 4 = + 2 3/4
§ If limited as Para. 18 (f).....

P&F = 101.30 = .4824
TRUNK = 108.7 + 16.25 = 124.95
CORRECTION FOR IRON DECK } 1/236
Proportion covered, less than 1/10ths length covered
Thickness of usual wood deck, less stringer 3
CORRECTION - 3"

NO SHEER FOR 24' FORE OF. 32
Rise in Sheer { At front of bridge house.....
from amidships { " " 44' AFT " "
[Para. 18 (e)] { At after end of forecastle ALLOWED ABOVE.

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	34.4
Round of Beam	9
Normal round.....	9
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 } ÷ 2 =
Para. 18 (d) }
Length uncovered ✓ Correction

Freeboard, Table A	2 - 7 3/4 ✓
Correction for Sheer	+ 2 3/4
Correction for Length	5 - 0 1/2 ✓
Allowance for Deck Erections	3 - 1 ✓
Correction for Round of Beam.....	- 1 - 0 3/4 ✓
Correction for fall in Sheer (if any).....	2 - 0 1/4 ✓
Correction for Iron Deck (if required)	- 3
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	1 - 9 1/4 ✓
Other Corrections (if any) <u>ADDITION TO CORRESPOND TO DRAFT OF 12.6 DESIRED BY ADMIRALTY.</u>	2 - 3 3/4 ✓

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C.....	8 1/2 ✓
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) }	3 - 0 1/2 ✓
Difference	2 - 4 ✓
Percentage as below.....	45.4% ✓

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)
Allowance for Deck Erections 12.4 = 44 - 12 1/4

	Length.	Length allowed.	Height.
Forecastle..... <u>SIDE 37.62</u>	57.25	48.43 ✓	4.0
TRUNK 108.7	44.88	36.69 ✓	4.0
Bridge House <u>34.7</u> × 3			
† Raised Qr. Dk.....			4.0
Poop..... <u>SIDE 44.08</u>	61.66	52.84 ✓	
Total		134.99	65.4 ✓
Length of Ship <u>BOXOL</u>	210		
Corresponding percentage (Para. 11, 12, 13, or 14) }	<u>45.4%</u>		

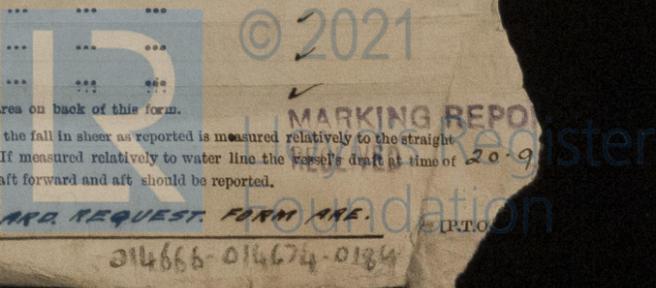
Winter Freeboard	
Summer Freeboard	
Indian Summer Freeboard	4 - 1 ✓
N. A. Winter Freeboard	
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or iron deck with side.	✓
Winter Freeboard from deck line	
Summer " " " "	
Indian Summer " " " "	4 - 1 ✓
N. A. Winter " " " "	

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 " " " "	...

© 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-tenth 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. 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.



Do all the Frames extend to the top height in the Poop? YES Raised Quarter Deck? Bridge House? Forecastle? YES
 To what height do the Reverse Frames extend? ON FLOORS IN ORDINARY FRAMED SPACES
 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 CLOSED
 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 bor'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? 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:— OIL TIGHT HATCHWAYS

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

10. OIL TIGHT HATCHWAYS 36x38x8" FITTED ON TOP OF TRUNK.
COAMINGS 8x8/2x44 O.A.E. COVERS. PLATE 1/40.

* 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.

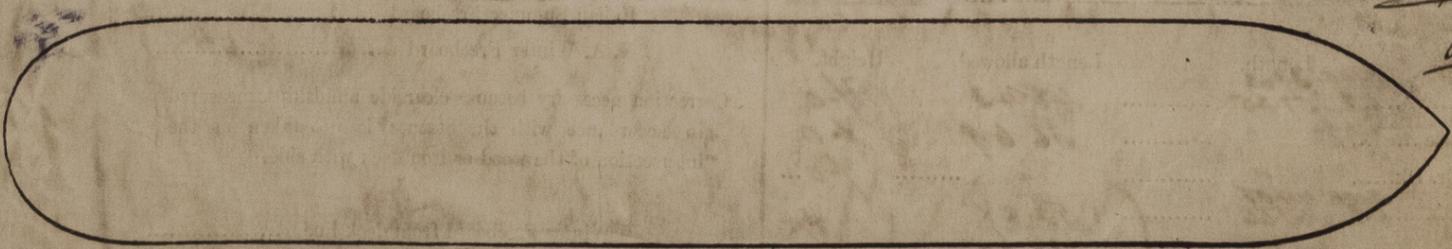
Length of Bulwarks in well

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

Ft.	Tenths.	Ft.	Tenths.	No.	} Freeing Ports (each side of vessel) = <input checked="" type="checkbox"/> Sq. ft.
	x		x		
	x		x		

Total deficiency or excess = Sq. ft.

THIS IS A SISTER VESSEL TO THE RFA SS. BIRCHOL FREEBOARD REPORT NO. 34024



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 2/-

Received by me



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