

EXT

27/10/32

NEWCASTLE

No. 78744

Index No. 31567
(For London Office only.)

Lloyd's Register of Shipping

SURVEYS FOR FREEBOARD STEAM SHIPS.

Particulars relating to ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECK CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Newcastle-on-Tyne.Date of Survey Jan. 12th 1925Name of Surveyor W. E. Wray.

Ship's Name BARALABA Ex SOLSKIN
 Number in Register Book 90725 Subt.
 Port of Registry and Nationality. Glasgow British
 Official Number. 147947
 Gross Tonnage. 997.60
 Date of Build. 1921
 Particulars of Classification. 100A.1. Contemplated

Registered dimensions from Ship's Register.
 LENGTH. 211.6
 BREADTH. 33.9
 DEPTH. 13.15
 UNDER DECK TONNAGE. 786.97

Length on LOADLINE. 211.2
 Rule Mean
 Frame Depth 7
 Ceiling Fitted
 Sheer +1.98
 Level Tank High Tank
 Tanks Incl.
 Cargo Bunkers fitted
+ 2.50
 aft + 3 tons

CORRECTED DIMENSIONS. 211.2 33.40 14.13 489.97

Co-efficient of fineness..... .49
 Any modification necessary [Para. 4 (a) to (e)]* C.O.B
 Co-efficient as corrected77

Sheer { Stem..... 92 1/2 } 131 ÷ 2 = 65.5 Mean
 at { Sternpost .. 38 1/2 }

Sheer at 1/2 of the length from { Stem 58 1/2 } 73 ÷ 2 = 36.5 Mean
 { Sternpost 14 1/2 }

Gradual mean Sheer 66.98 ÷ .55 = 66.36
 Standard mean Sheer [Table, Para. 18] 31.12
 Difference..... 34.81 ÷ 4 = 8.70

§ If limited as Para. 18 (f) - 8 3/4

Rise in Sheer { At front of bridge house.....
 from amidships {
 [Para. 18 (e)] { At after end of forecastle

Fall in Sheer {
 Para. 18 (d) { 4 ÷ 2 =
 Length uncovered
 Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 0.9
 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) 2.1
 Difference 1.4
 Percentage as below..... 48.7%

Class A Appliances at the Bridge
Para: 12 Allowances. 4.79

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) Covered by Bridge
 Allowance for Deck Erections - 4 3/4

	Length.	Length allowed.	Height.
Forecastle.....	<u>22.0 + 8.115</u>	<u>22.57</u>	<u>7-4 1/2</u>
Bridge House	<u>54.8 + 2.00 N</u>	<u>55.80</u>	<u>7-1 1/2</u>
† Raised Qr. Dk.....	<u>52.8 × 3.58</u> <u>3.74</u>	<u>50.55</u>	<u>3-7</u>
Poop.....	<u>16.2</u>	<u>16.20</u>	<u>7-6</u>
Total		<u>145.12</u>	<u>= 687.</u>
Length of Ship	<u>211.2</u>		

Corresponding percentage (Para. 12, 13, and 14) 48.7%

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
 2021

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Moulded Depth as measured..... 16.2 3/8

Addition for Keel below base line for draught record... 1 1/8 inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 211.2
 Length in Table 194.375
 Difference 16.825
 Correction for 10ft., Table A. 1.0 Table C.
 × Difference divided by 10 1.68 (if required.)
 If 1/10ths length covered divide by 2 .84
+ 3/4

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered687
 Thickness of usual wood deck, less stringer 3 2.84

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 33.0
 Round of Beam 8
 Normal round..... 8 1/4
 Difference 1/4 ÷ 2 = 1/8
 Proportion of Deck uncovered (Para. 19)

Freeboard, Table A 2.9 3/4
 Correction for Sheer - 8 3/4
 Correction for Length 2.1
 Allowance for Deck Erections - 4 3/4
 Correction for Round of Beam..... 1.6
 Correction for fall in Sheer (if any).....
 Correction for Iron Deck (if required)
 Additions for non-compliance with provisions of Para. 11 (d) and (e) †
 Other Corrections (if any)

Winter Freeboard 1.4
 Summer Freeboard 2
 Indian Summer Freeboard 0.5 1/4
 N. A. Winter Freeboard 1.5 1/2

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 1.4 1/4
 Summer " " " " 2 1/4
 Indian Summer " " " " 0 1/4
 N. A. Winter " " " " 1 1/2

State dimensions of freeing port area on back of form.

The Surveyor should state whether the fall in sheer is reported as measured relative to the water line and the vessel's draft at right angles, and also the usual load draft forward and aft.

MARKING FORM

RECEIVED 21 JAN 1925

012365-012369-0230

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? *Bulb Angle Framing*
 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? *Yes* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *Storm Boards Full Ht. in Riveted Channels (See Plan)*
 What is the thickness of the Bridge Front plating? *.36* and Coaming plate? *.36*
 Give scantlings and spacing of the Stiffeners *8 x 2 3/4 x .45 BA. 30 1/2" 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? *Bolted plates*
 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? *By a Bridge*
 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 *Yes*
 What is the height of the exposed Casings? *Yes* Are suitable means provided for closing all openings in them in bad weather? *Yes*

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.		NO. 19-8 x 13-10 1/2		27-7 1/2 x 13-10 1/2		29-4 1/2 x 13-10 1/2			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	32		32		32			
	Sides	.45		.48		.50			
	Ends	.37		.37		.37			
SHIFTING BEAMS OR WEB PLATES.	Number	one		two		two			
	Section and Scantlings	7 1/2" Plate 27 x 37		As for No. 1.		as for No. 1.			
	Material	Steel							
* FORE AND AFTERS.	Number	3		3		3			
	Section and Scantlings	Center 6 x 8 1/2		as for No. 1.		as for No. 1.			
	Material	Wood							
HATCHES Thickness		2 1/2		2 1/2		2 1/2			
Remarks		Satisfactory							

* 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? *.44* Strake between Main and Bridge Sheerstrakes? *.44*

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. *Yes*

Length of Bulwarks in well *65.44 61.69*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *12.59* Sq. ft.

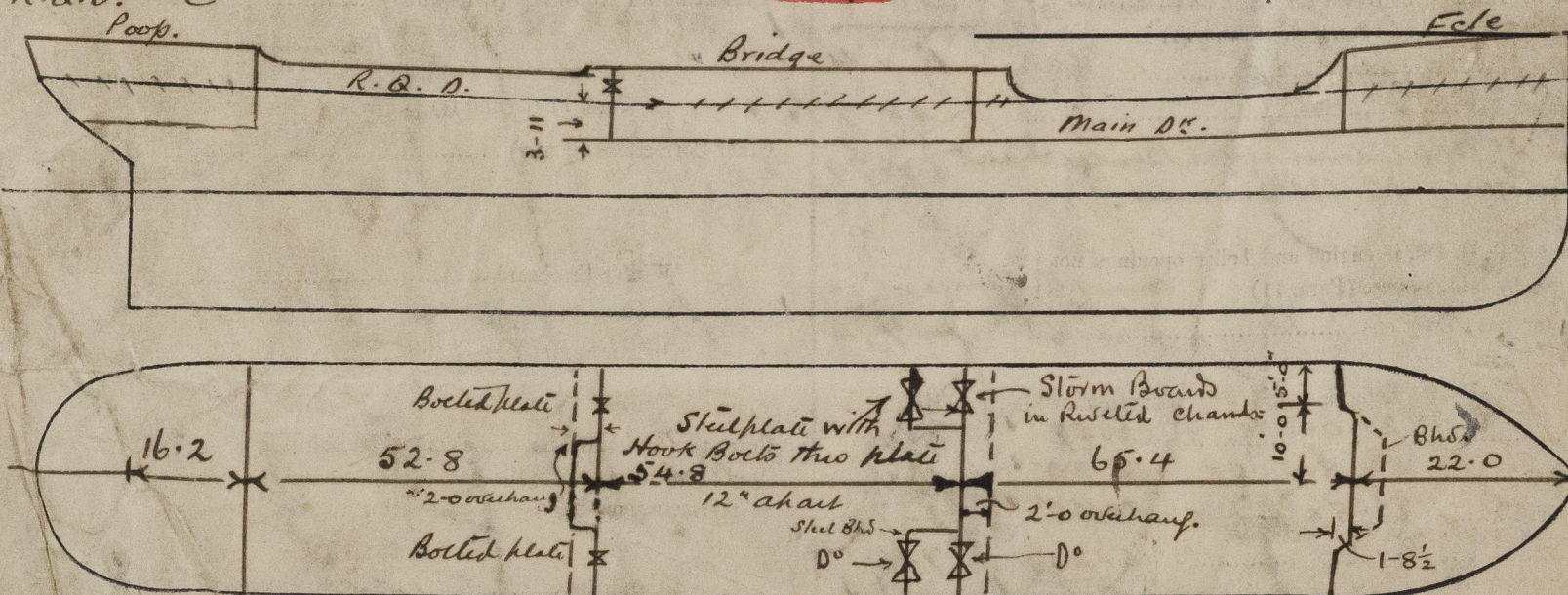
Ft. Tenth. Ft. Tenth. No. *13.74*

1@ 2.83 x 1.30 x *3.68* Freeing Ports = *10.75* Sq. ft.

2@ 2.96 x 1.70 x *10.06* (each side of vessel)

Freeing Ports R.Q.D. 2@ 2.63 x 1.70.

Total deficiency or excess = *1.15* 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 are forwarded herewith which*

Builder's name and yard number *return. The German & Norwegian Freeboard Certificate are also enclosed.*

Names of sister vessels

Owners

Address

Received by me *19-1-25*

Approved for *10-1-25*