

25104
Lloyd's Register of British & Foreign Shipping. No. 17129.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH
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 Greenock
Date of Survey while building
Name of Surveyor J. Bennett

Brambleleaf
Ship's Name. Russell, Co. No 702
Number in Register Book
Port of Registry and Nationality. Admiralty
Official Number. 14028
Gross Tonnage. ✓
Date of Build. 1917
Particulars of Classification. * 100 A (contingent)

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>405.4</u>	<u>54.5</u>	<u>33.29</u>	<u>5275.38</u>
Length on LOADLINE.	<u>404.5</u>	Frame Depth 9.7 Rule " 7. " 4.5 " 3.3	Ceiling Sheer + 31 " 3.1	to ord floor space but line of long and tank top Pek 3 spaced Tanks But long and ceiling on ord floor - 170
CORRECTED DIMENSIONS.	<u>404.5</u>	<u>54.38</u>	<u>33.6</u>	<u>5194.38</u>

Co-efficient of fineness..... .70 ✓
Any modification necessary {
[Para. 4 (a) to (e)]*
Co-efficient as corrected

Sheer { Stem..... 76 } $104 \div 2 = 52$... Mean
at { Sternpost ... 28 }
Sheer at $\frac{1}{2}$ of the length from { Stem 51 } $68 \div 2 = 34$... Mean
Sternpost 17 } $55 = 61.81$
Gradual mean Sheer 61.81
Standard mean Sheer [Table, Para. 18] 30.29 Correction
Difference..... 31.52 $3.73 \div 4 = -1$
§ If limited as Para. 18 (f).....

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

¶ Fall in Sheer {
Para. 18 (d) } $\div 2 =$
Length uncovered Correction ✓

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 6 - 1 1/2
Correction for Length, if required (Para. 12, 13, and 14) 1
Freeboard by Table A. corrected for sheer, and for length, }
if required (Para. 12, 13, and 14) } 6 - 0 1/2
Difference 2 - 11 1/2
Percentage as below..... 18.68
19.25
6.83
Correction for R. Q. Dk. if engine and boiler openings not }
covered by bridge house (Para. 11) } 6 3/4
Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle, including side houses	<u>89-1</u>	<u>76.50</u>	<u>8.0</u>
Bridge House including side houses	<u>32-8</u>	<u>21.16</u>	<u>8.0</u>
† Raised Qr. Dk.....		<u>12.28</u>	
Poop.....	<u>36-3</u>	<u>36.25</u>	<u>8.0</u>
Total		<u>120.91</u>	<u>125.03</u>
Length of Ship		<u>404.5</u>	<u>298.308</u>
Corresponding percentage { (Para. 11, 12, 13, or 14) }		<u>18.68</u> <u>19.25</u>	

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 " " " ...

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

Winter Freeboard 8 - 4 1/4
Summer Freeboard 6 1/4 7 - 10
Indian Summer Freeboard 7 - 4 3/4
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

Winter Freeboard from deck line 8 - 6
Summer " " " " 7 - 11 1/4
Indian Summer " " " " 7 - 5 1/2
N. A. Winter " " " " 7 - 11 1/2

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.

If the frames, skin plating, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
In vessels having poops and forecastles, the mean sheer means the sheer measured at the stem and stern-post, one eighth of the vessel's length from stem and stern-post.

Do all the Frames extend to the top height in the Poop? *long fr* Raised Quarter Deck? ☒ Bridge House? *yes* Forecastle? ☒
 To what height do the Reverse Frames extend? *longitudinal 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 *closed front*
 Is the Poop or 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 *hinged door*
 What is the thickness of the Bridge Front plating? *.40* and Coaming Plate? *.40* House at centre *Coaming .40 Stiffeners 6x3x36 30 apart*
 Give scantlings and spacing of the Stiffeners *7x3x40 30 apart*
 Are bracket plates fitted at each end of the Stiffeners? *yes to bulkhead each side* Are horizontal brackets fitted connecting Bridge Bulk'd. with Bulwarks? ☒
 Has the Bridge House an efficient Iron Bulkhead at the after end? *no*
 How are the openings closed? *yes*
 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 high casing*
 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 *lower strake of plating .40 upper strake .36 stiffeners 4x2 1/2 x 36 33 to 39*
 What is the height of the exposed Casings? *10-2 1/2* Are suitable means provided for closing all openings in them in bad weather? *yes hinged w/ casing*
 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 hatches*

Position and Size.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.										
Height above top of DECK	<i>Hatches to oil holds 2-6 x 2-6 x 3-0 high</i>									
Thickness { Sides.....										
{ Ends.....										
SHIFTING BEAMS OR WEB PLATES.										
Number										
Section and Scantlings										
Material										
* FORE AND AFTERS.										
Number										
Section and Scantlings										
Material										
HATCHES Thickness										
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? _____

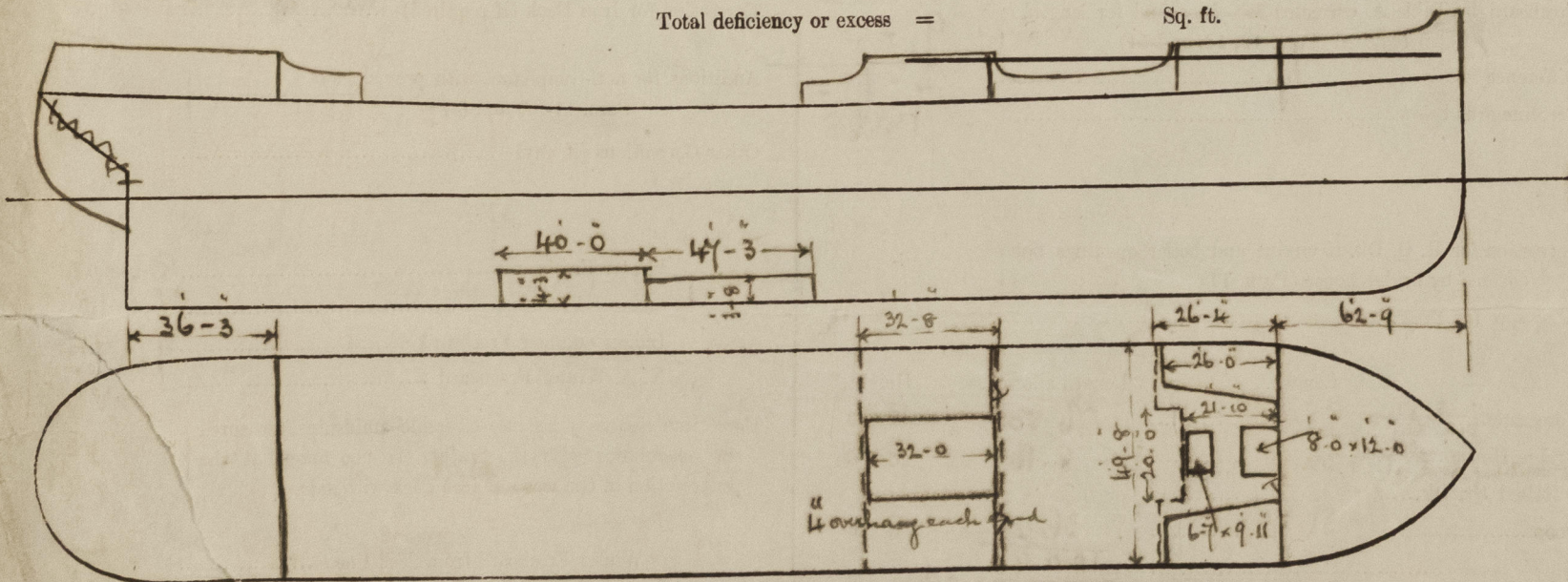
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

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.	} 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 *Longitudinal framing, oil tankers, double bottom in engine and boiler spaces*

Lowest sidelight *30-10 from base line* Depth of keel *2 3/4*
 Displacement *and tons per inch scale also ship's section and profile here*
 Owners *Russell Co* Sister vessel to *89 7 inch*
Even 1015

Address *Port Glasgow*

Fee £

Received by me