

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

N. 93562

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH TOP GALLANT FORECASTLES, SHORT POOP, AND BRIDGE HOUSE, DISCONNECTED, OR WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR BRIDGE QUARTER DECK CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Liverpool  
Date of Survey Whilst building  
Name of Surveyor A.R. Howells

Ship's Name. <b>GRETAFIELD</b>	Port of Registry and Nationality. <u>Liverpool</u> <u>British</u>	Official Number. <u>14948</u>	Gross Tonnage. <u>✓</u>	Date of Build. <u>1928</u>	Particulars of Classification. <u>2100 A1 contemplated</u> <u>Carrying Petroleum in Bulk.</u>
Number in Register Book					

Length from Register. <u>500.2</u>	Breadth. <u>67.9</u>	Depth. <u>36.9</u>	Under Deck Tonnage. <u>9515.97</u>
Length on Line. <u>498.0</u>	Frame Depth Rule $\frac{8}{11\frac{1}{2}}$ <u>498.0</u>	Ceiling + .20 Sheer + .43 <u>37.83</u>	Peak Tanks <u>9663.77</u>
Length on Deck. <u>498.0</u>	<u>67.98</u>	<u>37.83</u>	<u>9663.77</u>

*Calculated under deck tonnage to standard floors and frames.*  
Moulded Depth as measured..... 37' 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.

Efficient of fineness..... .755  
Modification necessary (Para. 4 (a) to (e))\*  
Efficient as corrected..... .78

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>498.0</u>
Length in Table .....	<u>444.0</u>
Difference .....	<u>54.0</u>
Correction for 10ft., Table A. ....	<u>1.4</u>
Table C. ....	<u>.8</u>
× Difference divided by 10 .....	<u>9.18</u> (if required,)
If $\frac{1}{10}$ ths length covered divide by 2	<u>+ 9 1/4</u> ✓
	<u>+ 4 3/4</u> ✓

Stem 111  
Sternpost 57  
 $168 \div 2 = 84$  ... Mean  
Stem 62.25  
Sternpost 32.5  
 $94.75 \div 2 = 47.375$  Mean  
Allowed 85.07  
 $85.07 \div .55 = 86.14$   
Difference..... 25.24  
 $25.24 \div 4 = 6.31$   
Correction - 6 1/4"

CORRECTION FOR IRON DECK.  
Proportion covered, if less than  $\frac{1}{10}$ ths length covered..... 468  
Thickness of usual wood deck, less stringer..... 3 1/4"  
- 1 1/2" ✓

in Sheer (At front of bridge house.....)  
amidships (At after end of forecastle.....) ✓  
in Sheer (At front of bridge house.....)  
amidships (At after end of forecastle.....) ✓  
in Sheer (At front of bridge house.....)  
amidships (At after end of forecastle.....) ✓  
in Sheer (At front of bridge house.....)  
amidships (At after end of forecastle.....) ✓  
in Sheer (At front of bridge house.....)  
amidships (At after end of forecastle.....) ✓

CORRECTION FOR ROUND OF BEAM.  
Breadth at Gunwale amidships..... 67.61  
Round of Beam..... 16.0  
Normal round..... 16.90  
Difference..... .90  
 $.90 \div 2 = .45$   
Proportion of Deck uncovered (Para. 19)..... .542  
+ 1/4"

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

ALLOWANCE FOR DECK ERECTIONS:—  
Table C..... (10' 5 1/2" - 3' 3")  
Correction for Length, if required (Para. 12, 13, and 14)..... 7' 2 1/2"  
Correction for Length, if required (Para. 12, 13, and 14)..... + 4 1/4"  
Correction by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14)..... 4' 6 3/4"  
Correction..... 10' 8 1/2"  
Correction..... 3' 1 1/4"  
Correction..... 29 7/8%  
11.23  
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)..... - 11 1/4"

Freeboard, Table A..... 10' 5 1/2"  
Correction for Sheer..... - 6 1/4"  
Correction for Length..... + 9 1/4"  
Allowance for Deck Erections..... 10' 8 1/2"  
Correction for Round of Beam..... - 11 1/4"  
Correction for fall in Sheer (if any)..... 9' 9 1/4"  
Correction for Steel Deck (if required)..... - 1 1/2"  
Additions for non-compliance with provisions of Para. 11 (d) and (e) †..... 9' 8"  
Other Corrections (if any)..... + 1 1/4"

Length.	Length allowed.	Height.
<u>48.125</u>	<u>48.125</u>	<u>8' 0"</u>
<u>36.125</u>	<u>36.125</u>	<u>8' 0"</u>
<u>44.28</u>	<u>41.22</u>	<u>8' 0"</u>
<u>143.75</u>	<u>143.75</u>	<u>8' 0"</u>
<u>233.09</u>	<u>228.0</u>	<u>.468</u>
<u>498.0</u>	<u>498.0</u>	<u>.458</u>
<u>29 7/8%</u>	<u>29.06%</u>	

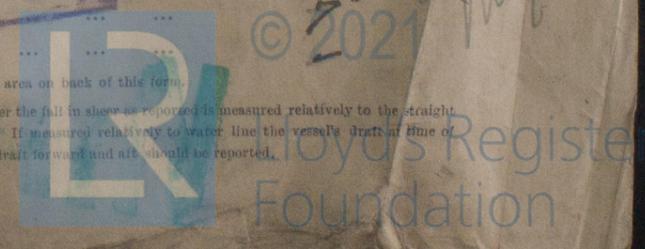
Winter Freeboard..... 9' 8"  
Summer Freeboard..... 7"  
Indian Summer Freeboard..... 8' 6"  
N. A. Winter Freeboard..... ✓  
Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the wood or steel deck with side..... + 1 1/4"  
Winter Freeboard from deck line..... 9' 9 1/4"  
Summer " " " "..... 9' 2 3/4"  
Indian Summer " " " "..... 9' 7 1/4"  
N. A. Winter " " " "..... ✓

BOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck:—  
Fresh Water Line above centre of Disc.....  
Indian Summer Line " " " ".....  
Winter Line below " " " ".....  
Winter North Atlantic Line " " " ".....

MARKING FOR 8-MAY-1928  
RECEIVED

† 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.

Whk0-0258



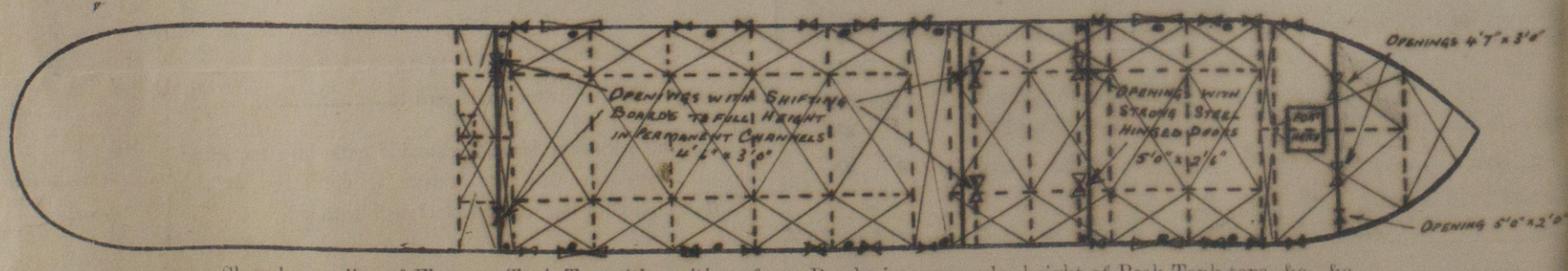
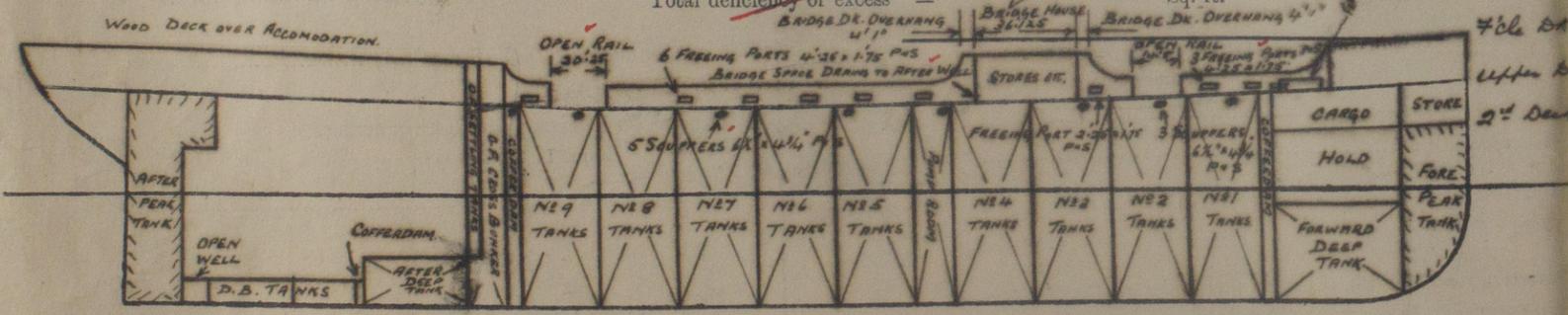
Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *Yes* Bridge House? *Yes* Forecastle? *Yes*  
 To what height do the Reverse Frames extend? *18' 9" Framing*  
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*  
 Give particulars of the means for closing the openings in Bulkhead *Shifting boards to full height in permanent channels*  
 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 *Strong steel hinged door*  
 What is the thickness of the Bridge Front plating? *.40* and Coaming plate? *.44*  
 Give scantlings and spacing of the Stiffeners *8 1/2 x 3 1/2 x .50 B.A. spaced 30"*  
 Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes Rail bulwark*  
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*  
 How are the openings closed? *Shifting boards to full height in permanent 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? *Yes*  
 Give thickness of plating; scantlings and spacing of Stiffeners *Plating 3/4" 30 Stiffeners 4 x 3 x .34 spaced 3' 6"*  
 What is the height of the exposed Casings? *8' 0"* 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: *Yes. As approved.*

Position and Size.	For. 11' 10 1/4" x 8' 11 1/4"									
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK										
	Sides.....	<i>.44</i>								
	Ends.....	<i>.44</i>								
SHIFTING BEAMS OR WEB PLATES.	Number.....	<i>1</i>								
	Section and Scantlings.....	<i>3x3x40</i>								
	Material.....	<i>Steel</i>								
* FORE AND AFTERS.	Number.....	<i>✓</i>								
	Section and Scantlings.....									
	Material.....									
HATCHES Thickness.....	<i>2 1/2"</i>									
Remarks.....	<i>Remaining hatches oil tight as approved.</i>									

\* 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 *The Crew are, are not, berthed in the bridge house. POOP.*  
 that do not apply *The arrangements to enable them to get backwards and forwards from their quarters are, satisfactory.*  
 Length of Bulwarks in well *For. 94.75 Aft. 175.25 = 270.0*  
 Area of Freeing Ports required by Para. 11 (e), each side of vessel *18.95 sq. ft. = 35.05 sq. ft. = 54.00* Sq. ft. *For class only.*  
 Ft. Tenths. Ft. Tenths. No. *For. { 2.25 x 1.75 x 3 } Aft. { 4.25 x 1.75 x 6 } = 70.875* Sq. ft.  
*Open Rail For. 14.5. Aft. 20.25.*  
 Total deficiency or excess = *16.125* 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 at bottom and at decks*  
 Builder's name and yard number *Newcastle Cannon Laird & Co. Ltd. Yard No 931*  
 Names of sister vessels *See Secretary's letter*  
 Owners *Newcastle Hunting & Son*  
 Address *Newcastle-on-Tyne*  
 Fee £ *14 : 13 : 4* Received by me *See L.R. Report*