

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD - STEAM SHIPS.

GLASGOW REPORT No. 47908

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 26<sup>th</sup> April 1928  
Name of Surveyor George Nicol

*B.T. COPY WRITTEN*  
*Preliminary*  
*32310*

S.S. "CLYDEFIELD"  
H.M.S. J.W. Anderson N. 808M

Ship's Name: "CLYDEFIELD"  
Port of Registry and Nationality: Newcastle British  
Official Number: 49473  
Gross Tonnage: ✓  
Date of Build: 1928  
Particulars of Classification: + 100.A.1. Carrying Petroleum in Bulk

Registered dimensions from Ship's Register.	LENGTH. <u>420.0</u>	BREADTH. <u>57.8</u>	DEPTH. <u>32.70</u>	UNDER DECK TONNAGE. <u>6052.14</u>
Length on LOADLINE.	<u>419.41</u>	Frame Depth <u>10.3</u> Rule <u>6.5</u> Sheer <u>+1.02</u> Tanks <u>44.48+57.0</u> = <u>-76.13</u> to length <u>44.48+57.0</u> = <u>100.98</u> + D.T. + 10.0 = <u>32.58</u> Sparring + .33 = <u>32.91</u>	Ceiling + .20 Peak Tanks	
CORRECTED DIMENSIONS.	<u>419.41</u>	<u>57.8</u>	<u>33.00</u>	<u>6119.14</u>

Moulded Depth as measured..... 32' 9"  
Addition for Keel below base line for draught record..... 2 1/2 inches.

NOTE - If the depth is measured when vessel is afloat, the details of measurement should be reported.  
32-9  
1.3  
34-0  
1.5  
32.7

CORRECTION FOR LENGTH

Length of Ship on Loadline.....	<u>419.41</u>
Length in Table .....	<u>393.00</u>
Difference .....	<u>26.41</u>
Correction for 10ft., Table A. ....	<u>1.6</u>
Table C. ....	<u>.80</u>
× Difference divided by 10 .....	<u>4.22</u> (if required.)
If 1/10ths length covered divide by 2 + <u>4.4</u>	<u>+2.11</u>

Co-efficient of fineness..... .75  
Any modification necessary [Para. 4 (a) to (e)]\*  
Co-efficient as corrected..... .78

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered .....	<u>4.24</u>
Thickness of usual wood deck, less stringer .....	<u>3 1/4</u>

Sheer at Stem..... 114.9  
at Sternpost..... 59.5  
Mean 86.75  
Block Coeff. at .85 D = .787  
 $619.14 \times 100 = 61914$   
 $419.41 \times 57.8 \times 33.9 = 81914$   
Longitudinal framing + .07  
net .78 .76

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<u>57.5</u>
Round of Beam .....	<u>15</u>
Normal round.....	<u>14 1/2</u>
Difference .....	<u>.63</u>
Proportion of Deck uncovered (Para. 19) .....	<u>.58</u>

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

Freeboard, Table A .....	<u>8 - 7 3/4 9/4</u>
Correction for Sheer .....	<u>- 9</u>
Correction for Length .....	<u>+ 4 1/4</u>
Allowance for Deck Erections .....	<u>8 - 8 1/2</u>
Correction for Round of Beam.....	<u>7 - 6 3/4 8/4</u>
Correction for fall in Sheer (if any).....	<u>7 - 6 5/8</u>
Correction for Steel Deck (if required) .....	<u>- 1 1/2</u>
Conditions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>7 - 5 6/8</u>
Other Corrections (if any) .....	

ALLOWANCE FOR DECK ERECTIONS :-  
Freeboard, Table C..... 5 - 6 3/4  
Correction for Length, if required (Para. 12, 13, and 14) .....

Winter Freeboard..... 7 - 5 6/8  
Summer Freeboard..... 6 - 4 7 - 0 1/2  
Indian Summer Freeboard..... 6 - 5 6 1/2  
N.A. Winter Freeboard..... ✓

Forecastle.....	Length. <u>44.37</u>	Length allowed. <u>44.37</u>	Height. <u>7.6</u>
Bridge House.....	<u>44.08</u>	<u>40.89</u>	<u>8.0</u>
Raised Qr. Dk.....	<u>89.37</u>	<u>89.37</u>	<u>7.6</u>
Coop.....	<u>177.82</u>	<u>174.63</u>	<u>4.163</u>
Total .....	<u>419.41</u>	<u>419.41</u>	
Corresponding percentage (Para. 12, 13, or 14)	<u>26.14%</u>		

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

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

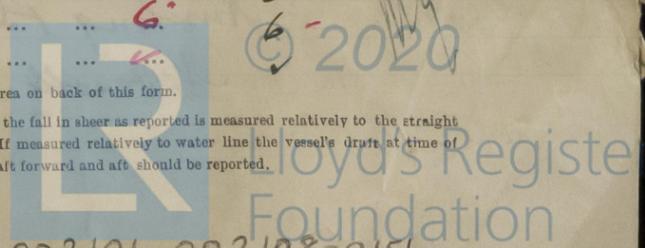
Fresh Water Line above centre of Disc .....	<u>6 1/2</u>	<u>6 1/2</u>
Indian Summer Line " " " .....	<u>6</u>	<u>6</u>
Winter Line below " " " .....	<u>6</u>	<u>6</u>
Winter North Atlantic Line " " " .....	<u>6</u>	<u>6</u>

Winter Freeboard from deck line..... 7 - 6 3/4 8 1/4  
Summer " " " "..... 7 - 5 2 1/4  
Indian Summer " " " "..... 6 - 5 8 1/4  
N.A. Winter " " " "..... ✓

† In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the E.Q.D. is to be taken from the level of the top of the amidship beam.

† 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.

MARKING FORM  
RECEIVED 29 JUN 1928



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? *across floors in way of after double bottom & forward*  
 Has the Poop or Raised Quarter Deck an efficient *Steel* Bulkhead at the fore end? *Yes*  
 Give particulars of the means for closing the opening in Bulkhead *Collar plate fastened with hook bolts thro' (12 openings)*  
 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 *2 Steel hinged doors*  
 What is the thickness of the Bridge Front plating? *40"* and Coaming plate? *44"*  
 Give scantlings and spacing of the Stiffeners *9 1/2 x 3 1/2 x .46 B.A. 30" apart*  
 Are bracket plates fitted at each end of the Stiffeners? *Yes as approved* 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? *Shifting boards in injected channels full height*  
 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? *No*  
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Covered by poop and enclosed in deckhouse*  
 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:— *Yes*

Position and Size.		9'-0" x 9'-0"							
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.
COAMING	Height above top of DECK	30							
	Thickness	Sides	44						
		Ends	44						
SHIFTING BEAMS OR WEB PLATES	Number	One							
	Section and Scantlings	10 x 30							
	Material	4 angles 3 x 3 x .40 Steel							
* FORE AND AFTERS.	Number	None							
	Section and Scantlings								
	Material								
HATCHES	Thickness	2 1/2							
Remarks									

\* 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.*  
 that do not apply *The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.*

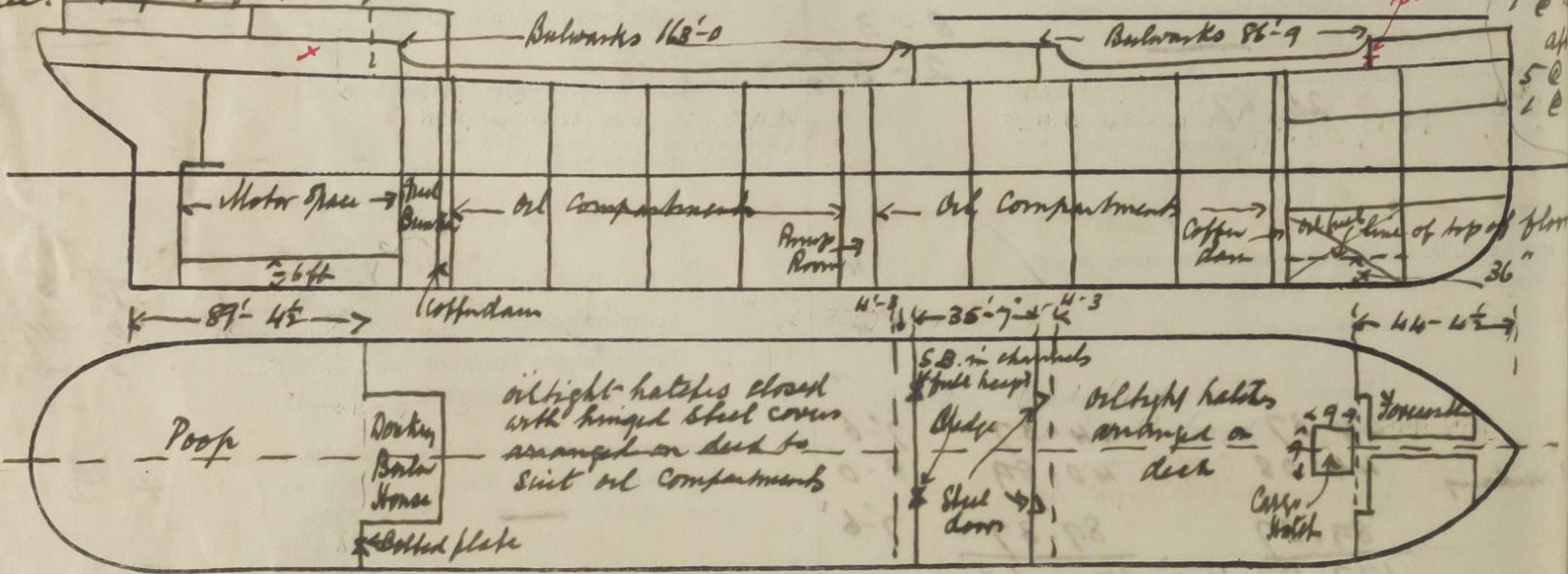
Length of Bulwarks in well

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *17 1/2* *36 1/2* Sq. ft.

Ft. Tenths. Ft. Tenths. No. Freeing Ports (each side of vessel) = *26 1/2* *36.2* Sq. ft.

Total deficiency or excess = *10.0* Sq. ft.

Plans of Midship Section and profile enclosed for reference. Request form N.9 enclosed.



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 *see preliminary forecast assignment dated 18th Mar. 1927 longitudinal frames deck and bottom, Transverse (Tanker)*

Builder's name and yard number *D.W. Henderson Co. No 808 M*

Names of sister vessels

Owners *Hunting & Son Ltd.*

Address *Newcastle-on-Tyne*

Fee £ 11 - - -

Received by me

*See J.L. Report.*

*mid. Deep @ 85% of Mld. Depth = 15084 Tons*  
 Coeff = *15084 x 35 = 527940*  
 419.41 x 57.5 x 27.83  
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