

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD. STEAM SHIPS

GLASGOW REPORT No 49763

PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR WITH 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 *M. Macleod*

Ship's Name	Port of Registry and Nationality	Official Number	Gross Tonnage	Date of Build	Particulars of Classification
<i>Yachina D. Y. 6. No. 515</i>	<i>✓</i>	<i>148320</i>	<i>app. 5000</i>	<i>Building 1929</i>	<i>+100A1 (contemplated)</i>
Number in Register Book					

Registered dimensions from Ship's Register.	LENGTH	BREADTH	DEPTH	UNDER DECK TONNAGE
	<i>404</i>	<i>53.6</i>	<i>25.4</i>	<i>4667.59</i>
Length on LOADLINE	<i>404.75</i>	Frame Depth <i>12</i> Rule <i>6</i>	Ceiling <i>+20</i> Sheer <i>+1.60</i>	Peak <i>included</i> Tanks
CORRECTED DIMENSIONS	<i>404.75</i>	<i>52.6</i>	<i>24.55</i>	<i>4667.59</i>

Moulded Depth as measured.....*28.0*

Addition for Keel below base line for draught record.....*2* inches.

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

### CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<i>404.75</i>
Length in Table .....	<i>336.00</i>
Difference .....	<i>68.75</i>
Correction for 10ft., Table A. ....	<i>1.4</i>
× Difference divided by 10 .....	<i>9.6</i>
If 1/10th length covered divide by 2 .....	<i>4.8 + 4 3/4</i>

### CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10th length covered .....	<i>3 1/2</i>
Thickness of usual wood deck, less stringer .....	<i>-3 1/2</i>

### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	<i>51.1 1/2</i>
Round of Beam .....	<i>13 1/2</i>
Normal round.....	<i>13</i>
Difference .....	<i>1/2 ÷ 2 = 1/4</i>
Proportion of Deck uncovered (Para. 19) .....	<i>✓ NIL</i>

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

Co-efficient of fineness.....	<i>.796</i>
Any modification necessary [Para. 4 (a) to (e)]*	<i>.02 C.B.S.</i>
Co-efficient as corrected .....	<i>.78</i>
Sheer {Stem..... <i>144</i> } <i>216 ÷ 2 = 108</i> Mean at {Sternpost ... <i>72</i> }	
Sheer at 1/3 of the length from {Stem <i>80</i> } <i>120 ÷ 2 = 60</i> Mean {Sternpost <i>40</i> }	
Gradual mean Sheer .....	<i>108.50</i>
Standard mean Sheer [Table, Para. 18] .....	<i>50.4</i>
Difference.....	<i>58.03 ÷ 4 = 14.5</i>
§ If limited as Para. 18 (f) .....	<i>-14 1/2</i>

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

Fall in Sheer {Para. 18 (d) }	<i>÷ 2 =</i>
Length uncovered .....	Correction

### ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	<i>3.8</i>
Correction for Length, if required (Para. 12, 13, and 14) .....	<i>✓</i>
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) .....	<i>5.7</i>
Difference .....	<i>1.11</i>
Percentage as below.....	<i>61.89</i>
	<i>= 14.23</i>

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) .....	<i>✓</i>
Allowance for Deck Erections .....	<i>-1.2 1/4</i>

Length.	Length allowed.	Height.
Forecastle..... <i>34</i>	<i>34</i>	<i>7.6</i>
Bridge House..... <i>270.42</i>	<i>268.81</i>	<i>7.6</i>
† Raised Q. Dk..... <i>25.75</i>	<i>25.75</i>	<i>7.6</i>
Poop..... <i>25.75</i>	<i>25.75</i>	<i>7.6</i>
Total .....	<i>331.56</i>	<i>.819</i>
Length of Ship .....	<i>404.75</i>	<i>-81.89</i>
Corresponding percentage (Para. 11, 12, 13, and 14) .....	<i>61.89</i>	

### FREEBOARD 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	"	...

Winter Freeboard .....	<i>4.6</i>
Summer Freeboard .....	<i>(5%) 4.0 1/4</i>
Indian Summer Freeboard .....	<i>3.9 1/4</i>
N.A. Winter Freeboard .....	<i>✓</i>
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.	<i>1 1/4</i>

Winter Freeboard from deck line .....	<i>4.7 1/4</i>
Summer " " " " .....	<i>4.2 1/4</i>
Indian Summer " " " " .....	<i>3.9 1/4</i>
N.A. Winter .....	<i>✓</i>

† The frames, bulk plating, or ceiling are of unusual thickness to breadth of vessel to inside of plating should be reported if possible.  
\* The correction for sheer is to be taken from the level of the top of the amidships beam.  
† The correction for length is to be taken from the level of the top of the amidships beam.  
† The correction for length is to be taken from the level of the top of the amidships 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.

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? *Bulk 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 *Storm boards in riveted channels full height*  
 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 *No openings.*  
 What is the thickness of the Bridge Front plating? *40* and Coaming plate *1/4"*  
 Give scantlings and spacing of the Stiffeners *9" x 3" x .48 bulbaugle. spaced 30 apart*  
 Are bracket plates fitted at each end of the Stiffeners? *Lugged* 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? *Storm boards in riveted channels full height.*  
 Is the Forecastle at least as high as the main or top 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? *Enclosed by 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.	UD. 1st. 31.3' x 24'0"		UD. 2nd. 33.9' x 24'0"		UD. 3rd. 24'9' x 24'0"		UD. 4th. 18' x 24'0"		UD. 5th. 30' x 24'0"		UD. 6th. 30' x 24'0"	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Height above top of DECK	36"		30"		30"		30"		30"		30"	
COAMING												
Thickness												
Sides												
Ends												
SHIFTING BEAMS OR WEB PLATES												
Number	5	75	6		3				6		6	
Section and Scantlings	2 1/2" x 38	1 1/2"	16 1/2" x 38		19" x 36		18" x 36		16 1/2" x 38		19 1/2"	
Material	angles top & bottom		double 5" x 3" x .46"									
* FORE AND AFTERS												
Number												
Section and Scantlings												
Material												
HATCHES Thickness												
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 is less than 6 inches above the Indian Summer line, state vertical distance from top of deck to 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 *F. 36' 6"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *F. 10.0* Sq. ft.

Ft. Tenths. Ft. Tenths. No. *A. 10.1* Sq. ft.

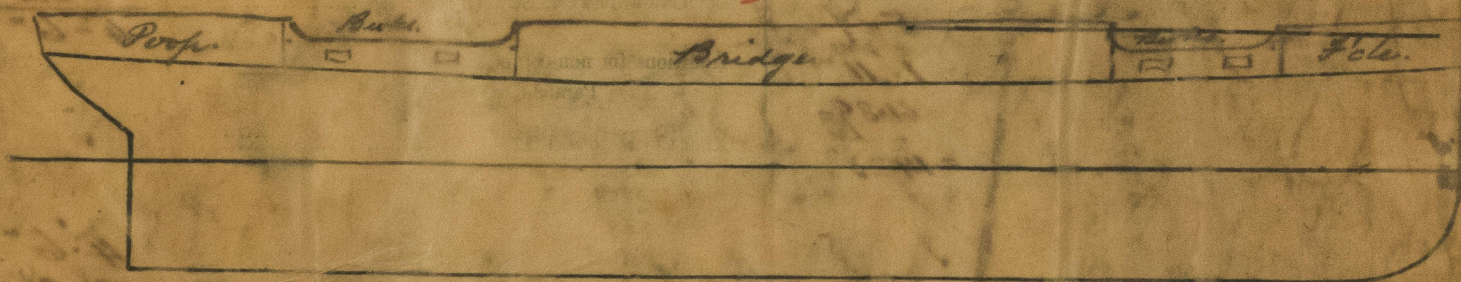
*F. 3.37 x 1.5 x 2*

*A. 3.6 x 1.5 x 2*

Freeing Ports (each side of vessel) = *F. 10.11* Sq. ft.

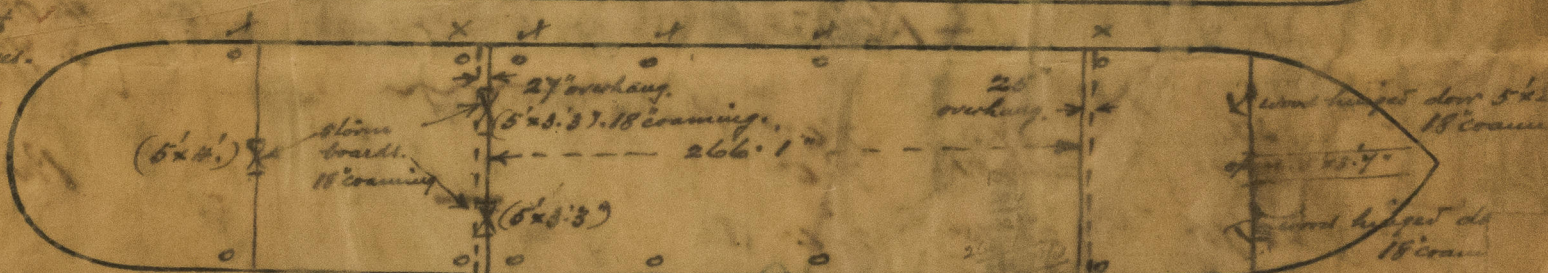
*A. 10.8*

Total deficiency or excess = *Sq. ft.*



*Scupper with Storm Valve.*

*Collinson Scupper.*



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 *Approved Plans of Midship Section & Profile*

Builder's name and yard number *Ayrshire S. Y. Co. No. 515.*

Names of sister vessels *Robert Dumas Co. No. 384. Marie de Lannaga. Grand Rapids No. 189.*

Owners *Yes*

Address

Fee £ *8 : 6 : 8.*

Received by me *See Report*