

# Lloyd's Register of British & Foreign Shipping.

## SURVEYS FOR FREEBOARD.—STEAM SHIPS.

23869

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 Leith  
Date of Survey 14 August 1914  
Name of Surveyor

Ship's Name. <u>Age + Ferguson No 243</u>	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification. <u>100A.1</u> <u>Contemplated</u>
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Registered Dimensions from Ship's Register.	LENGTH. <u>236</u>	BREADTH. <u>36'-3" head</u> <u>36.4</u>	DEPTH. <u>17.14</u>	UNDER DECK TONNAGE. <u>1200</u>
Length on LOADLINE.	<u>236</u>	Frame Depth $5\frac{1}{2}$ Rule <u>36.4</u>	Ceiling +.20 Sheer +.58 <u>Level tank</u>	Peak Tanks
CORRECTED DIMENSIONS.	<u>236</u>	<u>36.32</u>	<u>17.92</u>	<u>1200</u>

Moulded Depth as measured 19'-3"  
 $20 - 0\frac{1}{2}$   
 $2 - 10\frac{1}{2}$   
17'-1\frac{1}{2}"

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.....	<u>236.0</u>	
Length in Table .....	<u>231.0</u>	
Difference .....	<u>5.0</u>	
Correction for 10ft., Table A. ....	<u>1.1</u>	Table C. <u>6</u>
× Difference divided by 10 .....	<u>.55</u>	(if required.) <u>.3</u>
If $\frac{1}{10}$ ths length covered divide by 2	<u>+\frac{1}{2}</u>	<u>+\frac{1}{4}</u>

Efficient of fineness..... .78  
 Any modification necessary [Para. 4 (a) to (e)]\* Call SB  
 Efficient as corrected ..... .76

CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{1}{10}$ ths length covered ..... .5477  
 Thickness of usual wood deck, less stringer ..... 3\frac{1}{2}  
 $4 - 38 = 3.62 = 1.98$

Sheer at Stem..... 69  
 at Sternpost ... 39  
 $108 \div 2 = 54$  ... Mean

Sheer at  $\frac{1}{4}$  of the length from Stem 39  
 Sternpost 21  
 $60 \div 2 = 30$  ... Mean  
 $\div .55 = 54.54$

Gradual mean Sheer ..... 54.27  
 Standard mean Sheer [Table, Para. 18] ..... 33.6 Correction  
 Difference..... 20.67  $\div 4 = -5\frac{1}{4}$   
 If limited as Para. 18 (f)..... 5.17

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 36  
 Round of Beam ..... 9\frac{1}{4}  
 Normal round..... 9\frac{1}{4}  
 Difference ..... 0  $\div 2 = \dots$   
 Proportion of Deck uncovered (Para. 19) ..... 4.5

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

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

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

Freeboard, Table A .....	<u>3 - 7.50</u>	<u>3 - 7\frac{1}{2}</u>
Correction for Sheer .....	<u>- 5.17</u>	<u>- 5\frac{1}{4}</u>
Correction for Length .....	<u>+ .55</u>	<u>+ \frac{1}{2}</u>
Allowance for Deck Erections .....	<u>8.71</u>	<u>3 - 2\frac{3}{4}</u>
Correction for Round of Beam.....	<u>2 - 6.17</u>	<u>2 - 6</u>
Correction for fall in Sheer (if any).....		
Correction for Iron Deck (if required) .....	<u>1.98</u>	<u>- 2</u>
Additions for non-compliance with provisions of Para. 11 (d) and (e) †	<u>2 - 4.19</u>	<u>2 - 4</u>
Other Corrections (if any) .....		

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	<u>1 - 2.25</u>	<u>1 - 2\frac{1}{4}</u>
Correction for Length, if required (Para. 12, 13, and 14) .....	<u>+ .3</u>	<u>+ \frac{1}{4}</u>
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14) .....	<u>3 - 2.88</u>	<u>3 - 2\frac{3}{4}</u>
Difference .....	<u>2 - 0.33</u>	<u>2 - 0\frac{1}{4}</u>
Percentage as below.....	<u>6.71</u>	<u>35.81%</u>
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)		<u>8\frac{3}{4}</u>
Allowance for Deck Erections .....		

Winter Freeboard .....	<u>2 - 4.19</u>	<u>2 - 4</u>
Summer Freeboard .....	<u>2 - 1.53</u>	<u>2 - 1\frac{1}{2}</u>
Indian Summer Freeboard .....		<u>1 - 11</u>
N. A. Winter Freeboard .....		<u>2 - 6</u>
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.		<u>1\frac{1}{2}</u>
Winter Freeboard from deck line .....		<u>2 - 5\frac{1}{2}</u>
Summer " " " " .....		<u>2 - 3</u>
Indian Summer " " " " .....		<u>2 - 0\frac{1}{2}</u>
N. A. Winter " " " " .....		<u>2 - 7\frac{1}{2}</u>

Forecastle.....	Length. <u>26-3"</u>	Length allowed. <u>26.25</u>	Height. <u>7.0</u>
Bridge House including overhangs on raised Qr. Dk.....	<u>72-10</u>	<u>70.44</u>	<u>7.0</u>
.....	<u>32-7</u>	<u>32.58</u>	<u>7.0</u>
Total .....		<u>129.27</u>	<u>54.77</u>
Length of Ship .....		<u>236</u>	

Corresponding percentage (Para. 12, 13, or 14) 35.81%

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

Fresh Water Line above centre of Disc ..... 4\frac{1}{2}

Indian Summer Line " " 2\frac{1}{2}

Winter Line below " 2\frac{1}{2}

Winter North Atlantic Line " " 4\frac{1}{2}

† At the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.  
 ‡ In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R.Q.D. is to be taken from the level of the top of the amidship beam.  
 § In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one eighth of the vessel's length from stem and stern-post.

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