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MUN. 20 JUN 1904

# Verification Report LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

## SURVEYS FOR FREEBOARD.

*Miss Bow Mc Lachlan No 175*

*No 21884*

PARTICULARS IN RESPECT OF STEAM SHIPS WITH TOP GALLANT FORECASTLES, HAVING LONG POOPS OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR SHORT POOP AND BRIDGE HOUSE DISCONNECTED, OR BRIDGE HOUSE.

Port of Survey *Glasgow*  
Date of Survey *While building*  
Name of Surveyor *J. A. Marls.*

Ship's Name. <i>"Glenarm"</i>	Gross Tonnage.	Official Number.	Type of Ship. <i>Well Deck</i>	Date of Build. <i>1904</i>	Particulars of Classification. <i>100 A.1 "Well Deck" Contemplated</i>
Number in Register Book					

Registered Length *132.8* Breadth *23.1* Depth *9.7*

Moulded Depth as measured..... *10' 6"*

Length on Loadline ..... *132*  
Breadth ..... *23.1*

Depth... *to floors 9.72*  
Tons and Dk. *217.47*  
*Tonnage of pecks 9.0*  
 $\times 100$   
*226.47*

$$\frac{226.47 \times 100}{132 \times 23.1 \times 9.72} = .761$$

Co-efficient of fineness ..... *.761*  
Any modification necessary [Para. 4 (a) to (e)]  
Co-efficient as corrected ..... *.761*

CORRECTION FOR LENGTH:—

Length of Ship on load line.....	<i>132</i>
Length in Table .....	<i>126</i>
Difference* .....	<i>6</i>
Correction for 10ft., Table A. ....	<i>9</i>
× Difference* divided by 10 .....	<i>54</i> (if required.)
If $\frac{6}{10}$ ths length covered divide by 2.	<i>Par 14 + 1/2</i> <i>" 11 = + 1/4</i>

*Para 5629* CORRECTION FOR IRON DECK:—

Proportion covered, if less than $\frac{7}{10}$ ths length covered .....	<i>.562</i> ✓
Thickness of usual wood deck, less stringer.....	<i>2.7</i> ✓
	<i>-1 1/2</i> ✓

Sheer { Stem... *3.6* }  $5.6 \div 2 = 2.8$  Mean  
at { Sternpost. *2.0* }  
Sheer at  $\frac{1}{8}$  of the length from { Stem *1.11* }  $18.5$  Mean  
{ Sternpost *1.2* }  
Standard Sheer (Table, Para. 16)... *13.92* ✓  $232$  ✓ Correction  
Difference... *4.58* ✓  $9.8 \div 4 = 2.45$  ✓  
*-1 1/4*

CORRECTION FOR ROUND OF BEAM:—

Round of Beam.....	<i>5 3/4</i>
Normal round .....	<i>5 1/4</i>
Difference .....	$\checkmark \div 2 =$
Proportion of Deck uncovered (Para. 17) .....	

Rise in Sheer { At front of bridge house..... *1"*  
from amidships { At after end of forecastle ..... *1.7"*  
[Para. 16 (e)]

Freeboard, Table A .....	<i>1" 6"</i>
Correction for Sheer .....	
Correction for Length ..... <i>Para 11 &amp; 14</i>	<i>-4 1/4</i>
Allowance for Deck Erections .....	
Correction for Round of Beam.....	<i>1" 1 1/4</i> ✓
Correction for Iron Deck (if required) .....	<i>-1 1/2</i> ✓
Additions for non-compliance with provisions of Para. 11 (e) and (f) †	
Other corrections (if any).....	
Winter Freeboard .....	<i>1.0 1/4</i>
Summer Freeboard .....	<i>0.10 1/4</i>
N. A. Winter Freeboard .....	
Correction necessary because clear side amidships measured in accordance with the Statutes is not taken at the intersection of the deck with side.	<i>1</i> ✓
Winter Freeboard from deck line ‡	<i>1.12 1/4</i>
Summer " " " " .....	<i>0.11 1/4</i>
N. A. Winter, " " " " .....	

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... *7 1/2* ✓  
Correction for Length, if required (Para. 12 and 13) .....

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12 and 13) ..... *1.4* ✓

Difference ..... *8 1/2* ✓

Percentage as below *Para 11 for 1/2 covered = 50% of 8 1/2 = 4 1/4*  
*1/4 for 1/4 " = 12% of 8 1/2 = 2 1/4*  
*Para 11 - 1/2 covered = Erections - 4 1/4, then - 2" length + 1/2" = 6"*  
*" 1 1/4 " " " " - 2 1/4 " - 1/4 " + 1/2" = 3"*

Correction of R. Q. Dk. less than 4ft. high, or if engine and boiler openings not covered by bridge house

\* Allowance for Deck Erections covering *544* .....  $= -4 1/4$

	Length.	Length allowed.	Height.
Forecastle open.....	<i>21.25</i>	<i>18.87</i>	<i>6.6</i>
Bridge House .....	<i>7.00</i>	<i>7.00</i>	<i>7.0</i>
Raised Qr. Dk.....	<i>46.00</i>	<i>46.00</i>	<i>4.0</i>
Poop.....			
Total .....	<i>74.25</i>	<i>71.87</i>	$= .544$ ✓
Length of Ship .....	<i>132</i>	<i>132</i>	

Corresponding percentage (Para. 11, 12, or 13.)

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line:—

Fresh Water Line	above centre of Disc	.....	<i>0' 11 1/2"</i>
Indian Summer Line	" " "	.....	<i>2 1/2"</i>
Winter Line	below " " "	.....	<i>1 1/2"</i>
Winter North Atlantic Line	" " "	.....	

\* Particulars should be stated on the back of this Form as to the character of the Erections, and whether closed in or not.

† State dimensions of freeing port area on the back of this form.  
‡ Marked in accordance with Sec. 25, 76.



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ERASE WORDS WHICH DO NOT APPLY.

The Crew ~~are, are not~~, berthed in the bridge house.

The arrangements to enable them to get backwards and forwards from their quarters ~~are, are not~~, satisfactory.

*Vessel under 150 ft in length*

*57.75* Length of Bulwarks in well × 2 ÷ Freeing Ports = Sq. Ft. *24.54* for both sides

Ft. Tenths. Ft. Tenths. No. }  
*2.84* × *1.5* × *3* }  
                  ×                    × *each side* }  
= Sq. Ft. *25.56* " " "

Total deficiency = Sq. Ft.

Total excess = *1.02*

CHARACTER OF DECK ERECTIONS.

Do all the Frames extend to the top height in the Poop?

Do. do. do. do. Raised Quarter Deck? *yes*

Do. do. do. do. Bridge House? *yes*

Do. do. do. do. Forecastle? *yes*

To what height do the Reverse Frames extend? *Bulk angle frames*

Has the ~~Poop~~ or Raised Quarter Deck an efficient Iron Bulkhead at its fore end? *yes*

State whether the Bridge House efficiently covers the Engine and Boiler Openings *Covered by R. & B.K.*

Has the Bridge House an efficient Iron Bulkhead at the fore end? *yes*

Are efficient Doors fitted to the Passage Ways? *No passage ways*

Describe how and to what extent it is Stiffened, by angle Irons, Bulb Plates, or otherwise *as per Rule*

Has the Bridge House an efficient Iron Bulkhead at the after end? *yes*

Are efficient Doors fitted to the Passage Ways? *No passage ways*

Are efficient Iron Doors fitted to the Passages of the Bridge House, or is it entered from above? *from above*

Has the Forecastle an efficient Iron or Wood Bulkhead at its after end? *Open*

Are the Hatchways efficiently constructed? *yes* State the height of the Coamings *30'*

Are the Hatches solid? *yes* What is their thickness? *2 1/2*

Are the exposed parts of the Engine and Boiler Casings efficiently constructed? *yes*

State any special features in the construction of the Vessel  
*as this vessel will be completed early next week the Builders will be obliged if the feetboard as recommended for approval be viewed as early as possible.*

*JRM*  
*18/6/04*

Owners \_\_\_\_\_

Address \_\_\_\_\_

Fee £ \_\_\_\_\_ Received by me \_\_\_\_\_

