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FRI. JUN 14 1901

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11b.

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

SURVEYS FOR FREEBOARD.

No 19002

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 12th June 1901
Name of Surveyor Archie Wilson

Messrs J Fullerton & Co No 159

Ship's Name. <u>Carlston</u>	Gross Tonnage. ✓	Official Number. ✓	Type of Ship. <u>Well Dk</u>	Date of Build. <u>1901</u>	Particulars of Classification. <u>100 A1 "Well Deck" (Contemplated.)</u>
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Registered Length 185.2 Breadth 29.2 Depth 10.5
 Length on Loadline 185.2
 Depth 29.2

Moulded Depth as measured..... 13.4

$$\begin{array}{r} 13-11\frac{1}{2} \\ - 1-6 \\ \hline 12-5\frac{1}{2} \end{array}$$

Depth to R. Q. Dk. floors 12.66
 Tons und. Dk. 444.41
 $\times 100$
32-00
27-00
503.41

add for space between the top of R. Q. Dk. and R. Q. Dk. floors
 add for ports after peaks

CORRECTION FOR LENGTH:—
 Length of Ship on load line..... 185.2 ✓
 Length in Table 160.0 ✓
 Difference* 25.2 ✓
 Correction for 10ft., Table A.9 Table C.
 \times Difference* divided by 10 2.26 (if required.) ✓
 If $\frac{1}{10}$ ths length covered divide by 2. } Say 1"

Efficient of fineness735 ✓
 Modification necessary [Para. 4 (a) to (e)] } for increased depth of framing
 Efficient as corrected74

P. No 10013 CORRECTION FOR IRON DECK:—
 Proportion covered, if less than $\frac{1}{10}$ ths length covered
 Thickness of usual wood deck, less stringer..... 3" ✓

Sheer at Stem... 59 1/2 } 87 1/2 } $\div 2 = 43 3/4$ Mean
 Sheer at Sternpost... 28 }
 Sheer at 1/2 of the length from { Stem 33 } 24.5 Mean
 Sternpost 16 }
 Standard Sheer (Table, Para. 16)..... 28 1/2 - Correction "
 Difference..... 15 1/4 $\div 4 =$ Say 3 3/4

CORRECTION FOR ROUND OF BEAM:—
 Round of Beam..... 7 1/2
 Normal round 79.6
 Difference $\div 2 =$

Rise in Sheer { At front of bridge house..... 3"
 from amidships { At after end of forecastle 23
 Para. 16 (e)]

Proportion of Deck uncovered (Para. 17)

Freeboard, Table A	<u>2.0 1/2</u> ✓
Correction for Sheer	<u>3 3/4</u> ✓
Correction for Length	<u>1</u> ✓
Allowance for Deck Erections	<u>6 3/4</u> ✓
Correction for Round of Beam	<u>1-3 3/4</u> ✓
Correction for Iron Deck (if required)	<u>3</u> ✓
Additions for non-compliance with provisions of Para. 11 (e) and (f) †	<u>1-0 1/2</u> ✓
Other corrections (if any)
Winter Freeboard	<u>1-0 1/2</u> ✓
Summer Freeboard	<u>10 1/2</u> ✓
N. A. Winter Freeboard	<u>1-2 1/2</u> ✓
Correction necessary because clear side amidships measured in accordance with the Statutes is not taken at the intersection of the deck with side.	<u>1</u> ✓
Winter Freeboard from deck line ‡	<u>1-1 1/2</u> ✓
Summer " " " "	<u>1-0 1/2</u> ✓
N. A. Winter, " " " "	<u>1-3 1/2</u> ✓

ALLOWANCE FOR DECK ERECTIONS:—
 Freeboard, Table C. (2.0 1/2 - 1.1 1/4) = 1-0 1/4 ✓
 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) } 1-8 1/4 ✓
 Difference 98 1/2 ✓
 Percentage as below..... 70.2 ✓
 $- 6 3/4$

Correction of R. Q. Dk. less than 4ft. high, or if engine and boiler openings not covered by bridge house } ✓
 Allowance for Deck Erections Say 6 1/2

	Length.	Length allowed.	Height.
Forecastle.....	<u>34-0</u>	<u>34-0</u>	<u>7-0</u>
Bridge House.....	<u>11-0</u>	<u>11-0</u>	<u>7-0</u>
Raised Qr. Dk.....	<u>101.4</u>	<u>101.4</u>	<u>4-0</u>
Op.....
Total.....	<u>146.4</u>	<u>146.4</u>	<u>7-9</u> ✓
Length of Ship.....	<u>185.2</u>	<u>185.2</u>	<u>10</u>
Corresponding percentage { <u>70.2</u> ✓ (Para. 11, 12, or 13.) } <u>73.8</u> ✓			

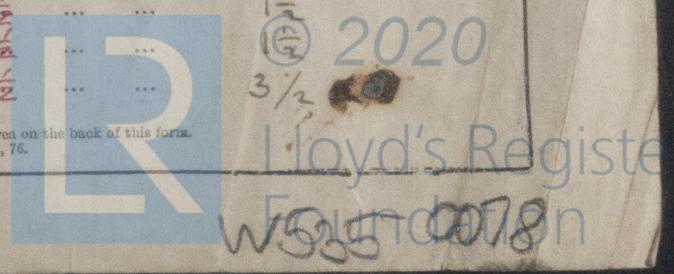
FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line:—
 Fresh Water Line above centre of Disc 3 ✓
 Indian Summer Line " " " " 1 1/2 ✓
 Winter Line below " " " " 1 1/2 ✓
 Winter North Atlantic Line " " " " 3 1/2 ✓

Winter Freeboard from deck line ‡ 0-11 1/2 ✓
 Summer " " " " 3 ✓
 N. A. Winter, " " " " 3 1/2 ✓

* 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.

Copy to Surveyor 19/6/01



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, ~~adequate~~, satisfactory. ✓

Length of Bulwarks in well ~~_____~~ 38.8 ✓ = Sq. Ft. 10.4 ✓
Freeing Ports

Ft.	Tenths.	×	Ft.	Tenths.	×	No.	} = Sq. Ft. 11.25 ✓
2	5	×	1	5	×	3	

Total deficiency = Sq. Ft. ✓

Total excess = 85 ✓

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? *Rule*

Has the ~~Poop~~ 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 deck house*

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

Are efficient Doors fitted to the Passage Ways? *closed*

Describe how and to what extent it is Stiffened, by angle Irons, Bulb Plates, or otherwise *7 beams*

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

Are efficient Doors fitted to the Passage Ways? *closed*

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 *33"*

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 ✓

The approved plans of Midship Section and profile are enclosed for reference.

*2 plans
FAB
returned
18/6/01*

ARW.

Owners _____

„ Address _____

Fee £ _____ : _____ : _____ Received by me _____

Fee £ *2* : *2* : - *Not* Received by me *21/3/06. SHK.*



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