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WED. APL 23 1902

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algebra 1851

LOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

SURVEYS FOR FREEBOARD.

No. 19794

Particulars in respect of Steam Ships with top Gallant forecastles, 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: White Building
 Name of Surveyor: P. Wright

Ship's Name: S.S. Clarence
 Gross Tonnage: ✓
 Official Number: ✓
 Type of Ship: Well Dk.
 Date of Build: 1902
 Particulars of Classification: +100 A.1 (cont)

Registered Length 170.4 Breadth 27.2 Depth 11.4
 Length on Loadline 170
 Breadth on Loadline 27.2

Moulded Depth as measured..... 12.4

to floors 11.58
 Tons and Dk. 402
 F.P.T. 18
 $\times 100$ 420
 $\frac{420 \times 100}{170 \times 27.2 \times 11.58} = .78$

CORRECTION FOR LENGTH :-
 Length of Ship on load line..... 170 ✓
 Length in Table 148 ✓
 Difference* 22 ✓
 Correction for 10ft., Table A.9 Table C.
 \times Difference* divided by 10 1.98 (if required.)
 If $\frac{1}{10}$ ths length covered divide by 2. } .99 +1

Efficient of fineness78 ✓
 Modification necessary [Para. 4 (a) to (e)] ✓
 Efficient as corrected ✓

Correction for Iron Deck :-
 Proportion covered, if less than $\frac{1}{10}$ ths length covered74
 Thickness of usual wood deck, less stringer..... 3

Stem... 5.9 } $95 \div 2 = 47.5$ Mean
 Sternpost... 36 }
 at $\frac{1}{2}$ of the length from { Stem 24 } 25"
 Sternpost 22 }
 Hard Sheer (Table, Para. 16)..... 27 ✓
 Difference..... $\frac{27}{20.5} \div 4 = -5$ ✓

CORRECTION FOR ROUND OF BEAM :-
 Round of Beam..... 8
 Normal round 26 $\frac{3}{4}$
 Difference $\frac{1}{4} \div 2 = \frac{5}{8}$ $\frac{1}{2}$
 Proportion of Deck uncovered (Para. 17) 26 ✓ $\frac{5}{8}$

In Sheer { At front of bridge house..... 3"
 Amidships { At after end of forecastle 29

Freeboard, Table A 1-10 $\frac{3}{4}$
 Correction for Sheer -5 ✓
 Correction for Length +1 ✓
 Allowance for Deck Erections 1-6 $\frac{3}{4}$
 Correction for Round of Beam..... -4 $\frac{1}{2}$ ✓
 Correction for Iron Deck (if required) -3 ✓
 Additions for non-compliance with provisions of Para. 11 (e) and (f) } 11 $\frac{1}{2}$
 Other corrections (if any)..... 10 $\frac{3}{4}$ ✓

ALLOWANCE FOR DECK ERECTIONS :-
 Freeboard, Table C..... 10 $\frac{1}{4}$
 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) } 17 $\frac{1}{2}$
 Difference 7 $\frac{1}{4}$
 Percentage as below..... 66.6
 $\frac{4.83}{7.3} = 66.6$
 Correction of R. Q. Dk. less than 4ft. high, or if engine and boiler openings not covered by bridge house } + $\frac{5}{4}$
 Allowance for Deck Erections -4 $\frac{1}{2}$

	Length.	Length allowed.	Height.
Forecastle.....	<u>25.0</u>	<u>23.0</u>	<u>6.6</u>
Large House.....	<u>10.0</u>	<u>10.0</u>	<u>7.6</u>
Raised Qr. Dk.....	<u>91.0</u>	<u>91.0</u>	<u>3.6</u>
Total.....	<u>126</u>	<u>124</u>	<u>74</u>
Length of Ship.....	<u>170</u>	<u>170</u>	<u>73</u>

 Corresponding percentage { 66.6 ✓
 Para. 11, 12, 13

Correction necessary because clear side amidships measured in accordance with the Statutes is not taken at the intersection of the deck with side. } 1 $\frac{1}{4}$
 Winter Freeboard from deck line† 1-0 $\frac{1}{2}$
 Summer " " " " 11 $\frac{10}{24}$
 N. A. Winter,, " " " " ✓

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line :-
 Fresh Water Line above centre of Disc 0 10 $\frac{1}{2}$
 Indian Summer Line " " " " 2 $\frac{1}{2}$
 Winter Line below " " " " 1 $\frac{1}{2}$
 Winter North Atlantic Line " " " " 2 $\frac{1}{2}$

ERASE WORDS WHICH DO NOT APPLY.

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

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

40 ft Length of Bulwarks in well × 2 ÷ = Sq. Ft. *10.9* ✓
Freeing Ports

Ft.	Tenths.	×	Ft.	Tenths.	×	No.	} = Sq. Ft. <i>11.25</i> ✓
<i>2.5</i>			<i>1.5</i>			<i>3</i>	

Total deficiency = Sq. Ft. *35*

Total excess =

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? *As per Rule.*

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 *Engines aft.*

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 *This is a similar vessel to the S.S. "Alythi" Andromeda Shy. Comp No 186 Gls. Report 1903/1. As the vessel is nearly completed the Builders will esteem it a favour if you will wire the freeboards recommended for approval.*

A request form is attached. The approved midships section & profile are enclosed for reference.

*2 Plans
H.M.S.
returned 23/4/02
R.W.*

Owners

Address

Fee £ : : Received by me

Fee £ *2* : : Received by me

