

Hawthorn, Leslie & Co. Ltd

17332

U.S. 5 MAY 1903

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

SURVEYS FOR FREEBOARD.

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.
a Continuous Shelter Deck. Tonnage opening aft to be fitted with shipping beams & hatch covers

Port of Survey Newcastle
Date of Survey from Plans 4/5/03.
Name of Surveyor Mr. D. Gilmore

Table with columns: Ship's Name, Gross Tonnage, Official Number, Type of Ship, Date of Build, Particulars of Classification.

Registered Length 420 Breadth 54 Depth 28.79
Length on Loadline 420
Breadth 54

Moulded Depth as measured 31'-9"
32-10
4-02
28 9 1/2

Depth 28.79 Tons und. Dk. 5180
Co-efficient of fineness .79
Any modification necessary .01
Co-efficient as corrected .78

CORRECTION FOR LENGTH :-
Length of Ship on load line 420'
Length in Table 381'
Difference\* 39'
Correction for 10ft., Table A, 1.6
x Difference\* divided by 10 6.24
If 1/10ths length covered divide by 2 3.12
for vessels coming under para. 11 say +3'

Sheer { Stem... 126 } 168 / 2 = 84 Mean
at { Sternpost... 42 }
Sheer at 1/2 of the length from { Stem 64 1/4 } 40 3/8
{ Sternpost 23 }
Standard Sheer (Table, Para. 16) 52 Correction
Difference 27.3 / 4 = 6.825
Say - 7" 6 3/4

CORRECTION FOR IRON DECK :-
Proportion covered, if less than 1/10ths length covered Complete Shelter Deck
Thickness of usual wood deck, less stringer - 3 1/2"

ALLOWANCE FOR DECK ERECTIONS :-
Freeboard, Table C 6'-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) 8'-0 1/2
Difference 1'-10 1/2
Percentage as below 81%
Coverings over Tonnage opening aft.
Correction of R. Q. Dk. less than 4ft. high, or if engine and boiler openings not covered by bridge house
\*Allowance for Deck Erections 18 1/4
Forecastle Length 18' of 420' Length allowed 52.5' Height 7'-11 1/2"
Bridge House (360'-52.5') 3 1/4" = 230.62
Raised Q. Dk.
Poop 40' 1/2" = 20.00
Total 303.12 + 420 - 303.12 / 2 = 56
Length of Ship 420
Corresponding percentage 81%
(361.56 / 420)

CORRECTION FOR ROUND OF BEAM :-
Round of Beam 13"
Normal round 13"
Difference 1 / 2 =
Proportion of Deck uncovered (Para. 17)
Freeboard, Table A 8'-7 1/4
Correction for Sheer - 7" 6 3/4
8'-0 1/4 1/2
Correction for Length + 3"
8'-3 1/4 1/2
Allowance for Deck Erections 1'-6 1/4
6'-9 1/4
Correction for Round of Beam nil
6'-9 1/4
Correction for Iron Deck (if required) - 3 1/2
6'-5 3/4
Additions for non-compliance with provisions of Para. 11 (e) and (f)
Other corrections (if any)
Winter Freeboard 6'-5 3/4
Summer Freeboard 5'-11 1/4
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 2"
Winter Freeboard from deck line 6'-7 3/4
Summer " " " 6'-1 1/4
N. A. Winter, " " "
FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line :-
Fresh Water Line above centre of Disc 6'-1"
Indian Summer Line " " " 6 1/2"
Winter Line below " " " 6 1/2"
Winter North Atlantic Line " " " 6 1/2"

5.5.03
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Winter North Atlantic Line " " " ... 6 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.

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.

Length of Bulwarks in well  $\times 2 \div$  = Sq. Ft.  
Freeing Ports

Ft.	Tenths.	Ft.	Tenths.	No.	}	= Sq. Ft.
	x			x		
	x			x		

Total deficiency = Sq. Ft.

Total excess =

CHARACTER OF DECK ERECTIONS. — *Proposed*

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

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? To Upper deck fore & aft, and alternately to 3rd Deck.

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at its fore end? open front

State whether the Bridge House efficiently covers the Engine and Boiler Openings Yes.

Has the Bridge House an efficient Iron Bulkhead at the fore end? Continuous Shelter Deck, no bulkhead in Shelter Truss Decks.

Are efficient Doors fitted to the Passage Ways? ✓

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

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

Are efficient Doors fitted to the Passage Ways? ✓

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

Has the Forecastle an efficient Iron or Wood Bulkhead at its after end? Yes.

Are the Hatchways efficiently constructed? Yes. State the height of the Coamings 30 on Shelter Deck. 9 on Upper Deck.

Are the Hatches solid? Yes. What is their thickness? 3"

Are the exposed parts of the Engine and Boiler Casings efficiently constructed? Yes.

State any special features in the construction of the Vessel :- 11'-0" Truss deck. Arrangement of Channel Pillars & Girders in Fore hold. Moulded Depth reduced to 31'-9" since plans were approved. Tonnage opening at after end only, to be fitted with shifting beams and hatch covers. These vessels will be built in accordance with the Approved Plans forwarded for reference. Freeboard Request Forms for both ships attached.

*2 Plans*  
*W.B. 14/5/03.*  
*Returned 5/6/03*

Owners \_\_\_\_\_

Address \_\_\_\_\_

Fee £ : : Received by me \_\_\_\_\_