

READHEAD'S YARD N<sup>o</sup> 378

# Lloyd's Register of British & 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.

Port of Survey Newcastle-on-Tyne  
Date of Survey June 28<sup>th</sup> 1904  
Name of Surveyor Thos Shaw

Ship's Name.	Official Tonnage.	Official Number.	Type of Ship.	Date of Build.	Particulars of Classification.
<u>'ILWEN'</u>	<u>3800-15</u>	<u>119950</u>	<u>one deck laid &amp; plated box beam in hold</u>	<u>1904</u>	<u>N<sup>o</sup> 100 A1 Contemplated</u>
Number in Register Book					

Registered Length 355.0 Breadth 48.9 Depth 25.75

Length on Loadline ..... 355  
Breadth ..... 48.9

Depth..... 25.75  
173595  
4470.07  
Tons and Dk. 3800.15  
380015  
.85

Co-efficient of fineness ..... .85  
Any modification necessary [Para. 4 (a) to (e)] ..... .01  
Co-efficient as corrected ..... .84

Maximum table .82  
Sheer { Stem... 108 } 4 gradual = 80.6 ends  
at { Sternpost... 54 } 162 ÷ 2 = 81 ... Mean  
Sheer at  $\frac{1}{2}$  of the length from { Stem 59.4 } 44.375 mean  
Sternpost 29.2  
Standard Sheer (Table, Para. 16)..... 45.5 Correction ✓  
Difference..... 35.1 ÷ 4 = - 8.75

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

ALLOWANCE FOR DECK ERECTIONS:—  
Freeboard, Table C..... 4-8.75 ✓  
Correction for Length, if required (Para. 12 and 18) ..... +1  
4-9.75 ✓  
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12 and 18) ..... 6-8 ✓  
Difference ..... 1-10.34 ✓  
Percentage as below..... 39%

Correction of R. Q. Dk. less than 4ft. high, or if engine and boiler openings not covered by bridge house } 8.75 ✓  
- 8.75

\* Allowance for Deck Erections .....  
Length. Length allowed. Height.  
Forecastle..... 35-3 ..... 35.25 ..... 4-0  
Bridge House side 106-3 ..... 107.25 ..... 4-0  
Raised Qr. Dk..... 108-3 .....  
Poop..... 30-2 ..... 30.16 ..... 4-0  
Total ..... 172.66 ..... 486  
Length of Ship ..... 355

Corresponding percentage { 39%  
(Para. 11, 12, 18)

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

Fresh Water Line above centre of Disc ...  
Indian Summer Line " " " ...  
Winter Line below " " " ...  
Winter-North Atlantic Line " " " ...

Moulded Depth as measured..... 28-5.2

CORRECTION FOR LENGTH:—  
Length of Ship on load line..... 355  
Length in Table ..... 342.3415  
Difference\* ..... 13.5  
Correction for 10ft., Table A. .... 1.5149 Table C.  
× Difference\* divided by 10 ..... 1.45 (if required.)  
If  $\frac{1}{10}$ ths length covered divide by 2 }  
for vessels coming under para. 11 } + 2 ✓ +1

CORRECTION FOR IRON DECK:—  
Proportion covered, if less than  $\frac{1}{10}$ ths length covered ..... .486  
Thickness of usual wood deck, less stringer..... 3.2  
- 1.34

CORRECTION FOR ROUND OF BEAM:—  
Round of Beam..... 12  
Normal round ..... 12  
Difference ..... ✓ ÷ 2 = ..... ✓

Proportion of Deck uncovered (Para. 17) ..... ✓

Freeboard, Table A ..... 7-2.34 ✓  
Correction for Sheer ..... -8.34 ✓  
6-6 ✓  
Correction for Length ..... +2 ✓  
6-8 ✓  
Allowance for Deck Erections ..... -8.75 ✓  
5-11.4 ✓  
Correction for Round of Beam..... ✓  
Correction for Iron Deck (if required) ..... -1.34 ✓  
5-9.2

Additions for non-compliance with provisions of Para. 11 (e) and (f) } ✓  
Other corrections (if any)..... ✓  
Winter Freeboard ..... 5-9.2  
Summer Freeboard ..... 5-4.2  
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† ..... 5-11.2  
Summer " " " " ..... 5-6.2  
N. A. Winter, " " " " .....  
5-6.2

† 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  $\times 2 =$  Sq. Ft.  
Freeing Ports

Ft.	Tenths.	Ft.	Tenths.	No.	}	= Sq. Ft.
	$\times$		$\times$	$\times$		
	$\times$		$\times$	$\times$		

Total deficiency = Sq. Ft.

Total excess =

CHARACTER OF DECK ERECTIONS.

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

Do. do. do. do. Raised Quarter Deck? ✓

Do. do. do. do. Bridge House? Yes

Do. do. do. do. Forecastle? Yes

To what height do the Reverse Frames extend? upper deck to ends as per rule

Has the Poop or ~~Raised Quarter~~ Deck an efficient Iron Bulkhead at its fore end? Yes *hinged door opening into Cabin*

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? Yes

Are efficient Doors fitted to the Passage Ways? no doors

Describe how and to what extent it is Stiffened, by angle Irons, Bulb Plates, or otherwise B Angles 30" apart brackets top & bottom

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

Are efficient Doors fitted to the Passage Ways? slown boards full height

Are efficient Iron Doors fitted to the Passages of the Bridge House, or is it entered from above? board at aft end only

Has the Forecastle an efficient Iron or ~~Wood~~ Bulkhead at its after end? Yes, open centre aisle

Are the Hatchways efficiently constructed? Yes State the height of the Coamings 3'-3"

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 This vessel is constructed with modified deep framing in conjunction with web frames & plated box beams in hold with a view of obtaining normal freeboard.

Preliminary report No 45965 Secretary letter 21<sup>st</sup> October 1903.

Plans of Midship Section & Profile are enclosed for reference

2 Plans  
SRB

Shaw

Owners

Address

Fee £

Received by me



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