

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

SURVEYS FOR FREEBOARD.

FRI. FEB 28 1902

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 Dundee.
Date of Survey 27th February 1902
Name of Surveyor Robt Howie.

Ship's Name, S.S. Abercraig
Number in Register Book The Dundee S.B. Co. No 136.

Gross Tonnage.

Official Number.

Type of Ship.

Date of Build.

Particulars of Classification.

Well Deck1902.8100A1. "Well Deck" (Class contemplated)Registered Length 153.1 Breadth 25.15 Depth 9.85Length on Loadline 153.1 Breadth 25.15 Depth 9.85Depth 9.85 + ceiling .20 Connected depth 10.05Moulded Depth as measured 12.2

CORRECTION FOR LENGTH:—

Length of Ship on load line 153.1
Length in Table 146
Difference* 7.1
Correction for 10ft., Table A. .9
× Difference* divided by 10 .639
If $\frac{1}{10}$ ths length covered divide by 2. .314

CORRECTION FOR IRON DECK:—

Proportion covered, if less than $\frac{1}{10}$ ths length covered —
Thickness of usual wood deck, less stringer - 3"

CORRECTION FOR ROUND OF BEAM:—

Round of Beam 6 1/4"
Normal round 6 1/4"
Difference —
÷ 2 = —

Proportion of Deck uncovered (Para. 17) —

Freeboard, Table A 1.9 1/2
Correction for Sheer - .3
Correction for Length + .5 1/4
Allowance for Deck Erections 5 3/4
Correction for Round of Beam - 1.1
Correction for Iron Deck (if required) 3
Additions for non-compliance with provisions of Para. 11 (e) and (f) —
Other corrections (if any) —
Winter Freeboard 10"
Summer Freeboard 8 1/2"
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. —
Winter Freeboard from deck line† —
Summer " " " " —
N. A. Winter, " " " " —

W498-0301

Co-efficient of fineness .772
Any modification necessary [Para. 4 (a) to (e)] yes, cell. S.B. - .02
Co-efficient as corrected .752

Sheer { Stem 54.5
at { Sternpost 19.5 74 ÷ 2 = 37 ... Mean
Sheer at $\frac{1}{8}$ of the length from { Stem 29.37
Sternpost 10.0 39.37 ÷ 2 = 19.68
Standard Sheer (Table, Para. 16) 25.3
Difference 11.7 ÷ 4 = 2.925

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

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C 1.9 1/2 - 1.0 1/4
Correction for Length, if required (Para. 12 and 18) - 9 1/4"
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12 and 18) 1.6 1/2
Difference 9 1/4
Percentage as below 68.52

Correction of R. Q. Dk. less than 4ft. high, or if engine and boiler openings not covered by bridge house + 1/2"

*Allowance for Deck Erections 5 3/4

	Length.	Length allowed.	Height.
Forecastle	<u>21.15</u>	<u>20.14</u>	<u>6.6</u>
Bridge House	<u>11.33</u>	<u>11.33</u>	<u>7.0</u>
Raised Qr. Dk.	<u>82.80</u>	<u>82.80</u>	<u>3.4</u>
Poop	<u>—</u>	<u>—</u>	<u>—</u>
Total	<u>115.28</u>	<u>114.27</u>	<u>7.46</u>
Length of Ship	<u>153.1</u>	<u>153.1</u>	<u>—</u>
Corresponding percentage (Para. 11, 12, or 18.)	<u>68.52%</u>	<u>—</u>	<u>—</u>

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

4.3.02
Fresh Water Line above centre of Disc —
Indian Summer Line " " " —
Winter Line below " " " —
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.

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 $\times 2 \div 700 = 20.56$ = Sq. Ft.
~~37.82~~ Freeing Ports

each side. ~~2.33~~ $\times 1.5 \times 3$ } 20.97 = Sq. Ft. *both sides*

Total deficiency = Sq. Ft.

Total excess = 41.5

CHARACTER OF DECK ERECTIONS.

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? *bilge & 1st alternately, in way of R. & D. to side stringer & 1st alt.*

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 *no*

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 *Bulb angles 5 in. x 3 in. 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? *no passage ways*

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

Has the Forecastle an efficient Iron or Wood Bulkhead at its after end? *no*

Are the Hatchways efficiently constructed? *yes* State the height of the Coamings *30 at side 36 in. in well*

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 *none*

Vessel built in accordance with the approved plans forwarded herewith for reference. For preliminary report see Dundee Rpt No 6770.

RH
27/2/02.

2 plans returned 1/3/02

Owners *Balgay Shipping Co. Ltd. (W. Kinnear & Co. Ingrs)*
 Address *Dundee*

Fee £ *2 : 2 : 0* Received by me

Fee £ *2 : 2 : 0* Received by me *Wm Morrison*



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