

THE BRITISH CORPORATION FOR THE SURVEY AND REGISTRY OF SHIPPING.

SURVEY FOR FREEBOARD OF STEAM-SHIP having <u>Roof, Bridge &amp; 5th' cable disconnected</u>		Port of Survey <u>Sunderland</u> Date of Survey <u>During construction</u> Name of Surveyor <u>Joseph McAlister</u>
State type of erections.		

Ship's Name.	Gross Tonnage.	Official Number.	Port of Registry and Nationality.	Date of Build.	Particulars of Classification.
<u>S.S. Bonheaven</u>			<u>Liverpool</u> <u>British</u>	<u>1913</u>	<u>B S</u>

Registered Length as shown by ship's register } 385.0 Breadth 52.1 Depth 27.2 Sheer Correction } + .97

Length on Loadline 384.83 Breadth 52.1 no ceiling } + .21

384.83 76966

192415

20049.643

Depth 28.38

1603968 4507.74 Tons Und. Dk. x 100

601488 4522.74 Tonnage in Peaks

1603968

400992

569007.648 4522.7400(.794

39830532

.53968680

51210684

2757996

Co-efficient of fineness .79

Any modification necessary } - .01

[Para. 4 (a) to (e)] \* } .78

Co-efficient as corrected .78

Sheer { Stem 109 } 164 ÷ 2 = 82 Mean

at { Stern-post 55 }

Sheer at 1/8 of the length from { Stem 62 } 93 = 46 1/2 = 84 1/2

{ Stern-post 31 } 1/55

Gradual Mean Sheer 83 1/2

Standard Sheer (Table, Para. 18) 48 1/2 Correction

Difference 34 3/4 ÷ 4 = 8 3/4

Rise in sheer } At front of bridge house ✓

from amidships } At after end of forecastle ✓

Fall in sheer ÷ 2 = ✓

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C 4'-2 1/2"

Correction for Length, if required (Para. 12, 13, and 14) + 2 1/2"

4'-5"

Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14) } 7'-0 7/8"

Difference 2'-7 7/8"

Percentage as below 32.32%

10 1/2"

Correction for R. Q. Dk. if engine and boiler openings } not covered by bridge house ✓

Allowance for Deck Erections 10 1/2"

10/40 x 4.25 = 1.06

36 1/2" Length. Length allowed. Height.

Forecastle 41'-3" 38.08 7'-6"

Bridge House 119'-11" 119.66 7'-6"

† Raised Qr. Dk.

Poop 36'-6" 36.33 7'-6"

Total 194.07 .504

Length of Ship 384.83

Corresponding percentage } 32.32%

(Para. 11, 12, 13, or 14) }

Moulded Depth as measured 29'-6"

NOTE.—If the depth is measured when vessel is afloat, the details of measurement should be reported

CORRECTION FOR LENGTH.

Length of Ship on Loadline 384.83

Length in Table 354

Difference 30.83

Correction for 10 ft., Table A. 1.5 x 3.083 Table C. .8 x 3.083

x Difference divided by 10 = 4.624 x 4 1/8 (if required.) 24.344 = 2 1/2"

If 1/10ths length covered by erections divide by 2 }

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered .504

Thickness of usual wood deck, less stringer 3 1/2" = 1 3/4"

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships 50'-0"

Round of Beam 12 1/2"

Normal round 12 1/2"

Difference ✓ ÷ 2 = ✓

Proportion of Deck uncovered (Para. 19)

Freeboard, Table A. 29'-6" x .78 = 7'-5"

Correction for Sheer - 8 3/4"

6'-8 1/4"

Correction for Length + 4 5/8"

Allowance for Deck Erections - 10 1/4"

6'-2 5/8"

Correction for Round of Beam ✓

Correction for Iron Deck (if required) - 1 3/4"

6'-0 7/8"

Additions for non-compliance with provisions } ✓ {

of Para. 11 (d) and (e) † } ✓ {

Other Corrections (if any) ✓

Winter Freeboard 6'-0 7/8"

Summer Freeboard 5'-7 5/8"

Indian Summer 5'-2 3/8"

N. A. Winter Freeboard ✓

Correction necessary because clearside amidships } measured in accordance with the Statute is not taken at the intersection of the deck with side } 1 1/2"

Winter Freeboard from deck line § 6'-2 3/8"

Summer " " " " 5'-9 1/8"

Indian Summer " " " " 5'-3 7/8"

N.A. Winter " " " " ✓

FREEBOARD recommended amidships from centre of disc to top of Statutory Deck Line, Wood (Iron) Deck:—

11045 x 1000 / 1025 = 11045 / 1025 = 10.776 269 = 6.71" Fresh Water Line 6 3/4 ins. above centre of Disc. Corresponding Freeboard 5'-9"

41.09 x 1000 / 1025 = 40.08 269 = 6.71" Indian Summer Line 5 1/4 " " " " 5'-2 1/2"

Winter Line 5 1/4 " below " " 5'-3 3/4"

Winter North Atlantic Line " " " " 5'-2 1/2"

\* If the frames, skin, planking or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.

† In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R. Q. D. is to be taken from the level of the top of the amidship beam.

‡ State dimensions of freeing port area on back of this form.

§ Marked in accordance with Sec. 437, M. S. Act, 1894.

Subject to weather boards full height on front & 1/2 height on after end of bridge being fitted and permanently attached to hull.

004049-004054-0067

P.T.O.



"Benheather"  
Prelim Freeboard Certificate

DELETE 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

Area of Freeing Ports required by Para. 11 (c) each side of vessel = Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.	}	Freeing Ports each side of vessel	=	Sq. ft.
	×		×					
	×		×					

Total excess deficiency = Sq. ft.

If the sill of the lowest side scuttle would be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.

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

Do. do. do. Raised Quarter Deck? *Yes*

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

Do. do. do. Forecastle? *Yes*

To what height do the Reverse Frames extend? *3 ft framing extends to upper, else top deck.*

Has the Poop ~~or Raised Quarter Deck~~ an efficient Iron Bulkhead at the fore end? *Yes*

How are the openings closed? *Weatherboards full height*

Is the Poop ~~or Raised Quarter Deck~~ connected with the Bridge House? *No*

Are the Engine and Boiler openings covered by a Bridge, ~~Poop, Raised~~

~~Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse?~~ *Yes*

If the openings are not so protected, are the exposed parts of the Casings efficiently constructed? *✓*

What is their height? *✓*

Are suitable means provided for closing all openings in exposed Casings in bad weather? *✓*

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

How are the openings closed? *No openings*

Give thickness of Bridge Front plating  $\frac{18}{60}$  Coaming plate  $\frac{20}{40}$  Stiffeners  $8 \times 3 \times \frac{20}{40}$  spaced 27" bracketed *top bottom*

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

How are the openings closed? *Weatherboards half height*

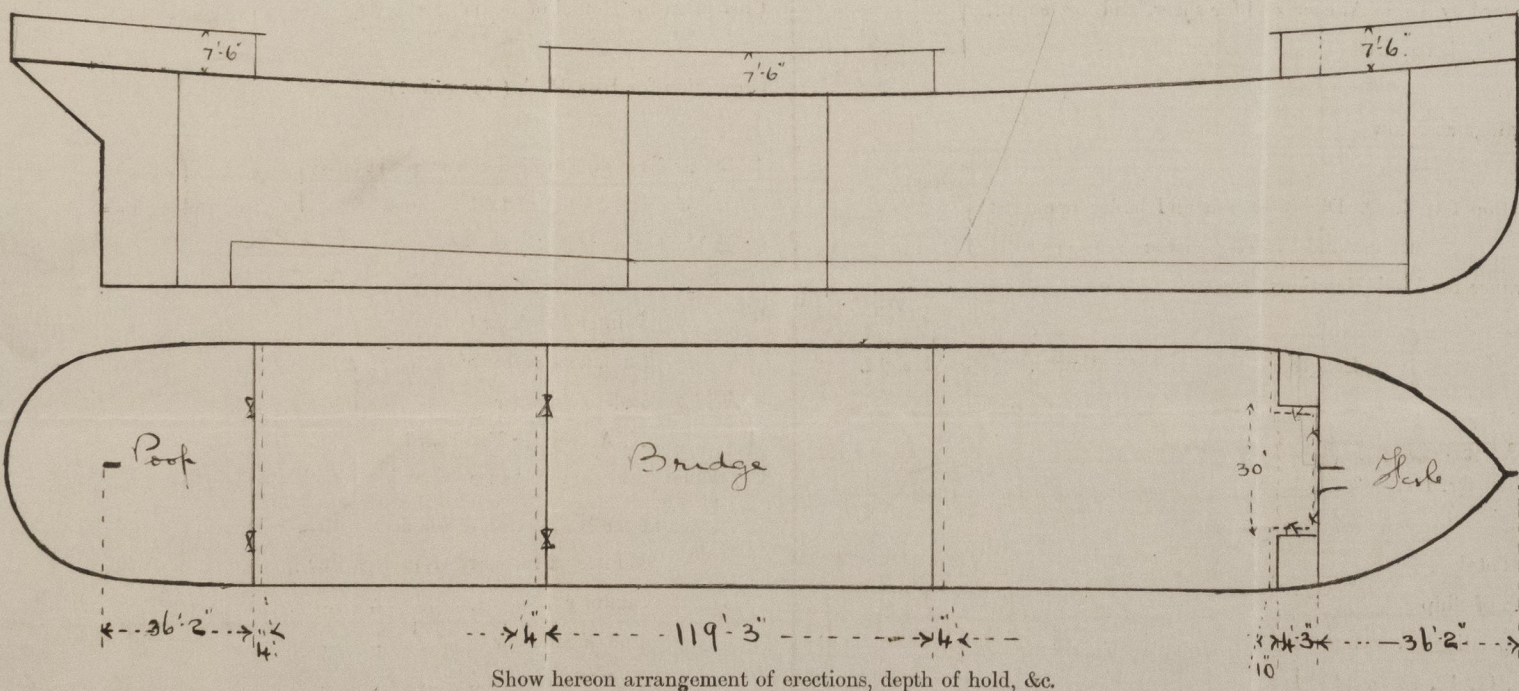
Is the Forecastle at least as high as the main or top-gallant rail? *Yes*

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

Are the Weather Deck Hatchways efficiently constructed and at least equal to the Rule requirements? *Yes*

What is the thickness of the Hatches? *3"* State the height of the Coamings in Fore Well *49" & 43"* In After Well *46" & 37"*

State any special features in the construction of the Vessel *Single Deck steamer*



The Freeboards, as stated on the other side, being in accordance with the Tables, it is submitted that the same be assigned.

Chief Surveyor.

Passed at a meeting of the Committee of Management of the British Corporation for the Survey and Registry of Shipping on the