

EXT ^{Memo} 22/4/33
Rpt. 11b.

Copy written

March 1906

6853

No 50.377

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 24th March 1906
Name of Surveyor W. Chas.

Delete words which do not apply.

DEVELOP
ex ODENS VOLD

Ship's Name.	Gross Tonnage.	Official Number.	Type of Ship.	Date of Build.	Particulars of Classification.
<u>Cairnform</u>	<u>1181</u>	<u>88733</u>	<u>Well Deck</u>	<u>1893</u>	<u>100. A. 1</u>
Number in Register Book <u>69</u>					

Registered Length as shown by ship's register. 225.4 Breadth 34.05 Depth 16.3
Length on Loadline 224.5
Breadth 34.05

Moulded Depth as measured 17.6

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

Depth 16.3 Tons und. Dk. 1023
Correction for excess or deficiency of Gradual Sheer (Para. 3) .33
Depth to be used 16.63 × 100

CORRECTION FOR LENGTH.
Length of Ship on Loadline 224.5
Length in Table 210.0
Difference 14.5

Correction for 10ft., Table A. 1.1 Table C. .5
× Difference divided by 10 1.59 (if required.) .72
If $\frac{1}{10}$ ths length covered divide by 2 for vessels coming under Para. 11 and Para. 12 + 3/4 ✓ 3/4

Co-efficient of fineness .804
Any modification necessary [Para. 4 (a) to (e) *]
Co-efficient as corrected .80

CORRECTION FOR IRON DECK.
Proportion covered, if less than $\frac{1}{10}$ ths length covered .704
Thickness of usual wood deck, less stringer 3"

Sheer at Stem 62
at Sternpost 27 } 89 ÷ 2 = 44.5 Mean
Sheer at $\frac{1}{2}$ of the length from Stem }
Sternpost }

CORRECTION FOR ROUND OF BEAM.
Breadth at Gunwale amidships 5-
Round of Beam 8 1/2
Normal round 3 1/2 ÷ 2 = 1.75
Difference 3 1/2
Proportion of Deck uncovered (Para. 19) .3 + 1/2

Gradual Sheer
Standard Sheer (Table, Para. 18) 32.45
Difference 12.05 ÷ 4 = -3
Excess Sheer in Well - 1/2

Rise in Sheer from amidships [Para. 18 (e)]
At front of bridge house 5
At after end of forecastle 43

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C. 0.11
Correction for Length, if required (Para. 12 and 13) 2.11 1/2
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12 and 13) 2.0 1/2
Difference 55.6%
Percentage as below 13.62

Freeboard, Table A 3.2 1/2
Correction for Sheer -3
Correction for Length 2.11 1/2
Allowance for Deck Erections 3.0 1/4
Correction for Round of Beam 1.10 3/4
Correction for Iron Deck (if required) -3
Additions for non-compliance with provisions of Para. 11 (d) and (e) - 1/2
Other corrections (if any) Excess of Sheer in Well - 1/2

Correction for engine and boiler openings not being covered by bridge house, in cases coming under Para. 11

Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle	<u>23.5</u>	<u>23.5</u>	<u>7.0</u>
Bridge House	<u>57.5</u>	<u>57.5</u>	<u>7.0</u>
Raised Qr. Dk.	<u>77.0</u>	<u>77.0</u>	<u>4.0</u>
Top		<u>158.0</u>	
Total		<u>224.5</u>	<u>7.04</u>

Winter Freeboard 1.7 3/4
Summer Freeboard 2.2 1/2
N. A. Winter Freeboard 1.10 1/4
Correction necessary because clear side amidships measured in accordance with the Statutes is not taken at the intersection of the wood or iron deck with side 3/4

Corresponding percentage (Para. 11, 12, or 18.) 55.6

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

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

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 about 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.

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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 *66.5 ft.*

Area of freeing ports required by Para. 11 (c) each side of vessel

Freeing Ports (each side of vessel)

Ft. Tenths. Ft. Tenths. No.
1'-8" x 2'-6" x 4

= *16.64* Sq. Ft.

Total deficiency =

Total excess = *3.36* Sq. Ft.

Vertical distance from bottom of keel or from top of deck at side amidships to lower edge of lowest side scuttle.

(N.B.—This dimension need not be reported unless the sill of the lowest side scuttle would be less than 6 inches above the Indian Summer Load Line if assigned under the tables.)

Are the Weather
requirements

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

Do. do. do. in the Raised Quarter Deck?

Do. do. do. Bridge House?

Do. do. do. Forecastle?

To what height do the Reverse Frames extend?

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

Give particulars of the means for closing the openings in Bulkhead *Two timber ports 20"x12" closed with*

Is the ~~Poop~~ or raised Quarter Deck connected with the Bridge House? *plate-bulk 5' apart and opening into Eng. Room closed*

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*

Give particulars of the means for closing the openings in Bulkhead *Solid Bulkhead*

Describe how and to what extent it is Stiffened, give scantlings and spacing of Angle Irons, Bulb

Plates, etc. *7-3-9/10 Bulb angles. braced top, bottom spaced 24" apart*

Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes (a per. the Raised Deck)*

How are the openings closed? *as above*

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? *Open*

Are the Hatchways efficiently constructed? *Yes* What is the thickness of the Hatches? *2 1/2*

State the height of the Coamings in fore well? *36"* In after well *32"*

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

State any special features in the construction of the Vessel

The officer's quarters being in the Bridge, the stiffening of the Bridge. No was not able to see due to panelling. The vessel sent today but the Owners inform me that they will have the cladding removed if necessary for the Blueboard assignment as the vessel's relative about two weeks.

B. H. Law.

Show hereon the actual measurements of sheer, draft, erections, breaks in line of floors, &c.

Owners

Address

Fee £ *3 : 3 : .*

Received by me

Fee applied for 28/3/06



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