

Verification
Register of British & Foreign Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

21970 61322

TUE. NOV. 14. 1911

TO ALL STEAM SHIPS, WHETHER FLUSH DECKED, OR WITH
FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR
FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS
CONNECTED WITH BRIDGE HOUSES OR OTHERWISE.

Port of Survey Newcastle-on-Tyne
Date of Survey 12th November 1911
Name of Surveyor Alex. Munro

Ship's Name WATER RANGE (1884)
Port of Registry Wishp Official Number 132811 Gross Tonnage 4220 Date of Build 1911
Particulars of Classification 100A1. Class Contemplated

| | LENGTH. | BREADTH. | DEPTH. | UNDER DECK Tonnage. |
|-----------------------------------|---------|---|---|-------------------------|
| As measured from Ship's Register. | 380.0 | 49.0 | 26.45 | 4036.53 |
| Length on Loadline | 379.5 | Frame Depth 9 Rule " 52 " 3 1/2 " 58 | Ceiling + .20 Sheer + 1.023 Ceiling under hatchways and over limberboards and tank top | Peak } Tanks } Incl. |
| CORRECTED DIMENSIONS. | 379.5 | 48.42 | 27.678 | 4036.53 |

Moulded Depth as measured..... 29-0

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

Co-efficient of fineness79
Any modification necessary { .02 Call DB
[Para. 4 (a) to (e)*]
Co-efficient as corrected77

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 379.5
Length in Table 348.0
Difference 31.5
Correction for 10ft., Table A. 1.5 Table C. .7
× Difference divided by 10 +4 3/4 (if required.) +2 1/4
If 1/10th the length covered divide by 2

Sheer { Stem... 9-0
at { Sternpost... 5-0 1/2 } $168 1/2 \div 2 = 84.25$..Mean
Sheer at 1/4 of the length from { Stem 5-0 1/2
Sternpost 2-9 1/4 } $93 3/4 \div 2 = 46.875$..Mean = 85.22
Gradual mean Sheer $\frac{84.25 + 85.22}{2} = 84.73$
Standard mean Sheer (Table, Para. 18) 47.95 Correction
Difference..... $36.78 \div 4 = -9 1/4$
§ If limited as Para. 18 (f).....

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10th the length covered 4 1/5
Thickness of usual wood deck, less stringer..... 3 1/2 - 1 1/2

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 46-0
Round of Beam..... 11 1/2
Normal round 11 1/2
Difference $\div 2 =$ ✓
Proportion of Deck uncovered (Para. 19)

¶ Fall in shear {
Para. 18 (d) } $\div 2 =$ ✓
Length uncovered Correction ✓

Freeboard, Table A 7-2
Correction for Sheer - 9 1/4
6-4 3/4
Correction for Length + 4 3/4
6-9 1/2
Allowance for Deck Erections - 8 1/4
6-1 1/4
Correction for Round of Beam..... ✓
Correction for fall in Sheer (if any) ✓
Correction for Iron Deck (if required) - 1 1/2
5-11 3/4
Additions for non-compliance with provisions of {
Para. 11 (d) and (e) ‡ } ✓
Other Corrections (if any)..... ✓

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C..... 3-11 3/4
Correction for Length, if required (Para. 12, 13, and 14) + 2 1/4
4-2
Freeboard by Table A, corrected for sheer, and for length, } 6-9 1/2
if required (Para. 12, 13, and 14) }
Difference 2-7 1/2
Percentage as below..... 26.05

Winter Freeboard 5-11 3/4
Summer Freeboard 5-6 3/4
Indian Summer Freeboard 5-1 3/4
N. A. Winter Freeboard
Correction necessary because clearside amidships, measured in accordance with the Statute, is not taken at the intersection of the wood or iron deck with side. } 1 3/4

| | Length. | Length allowed. | Height. |
|--|-----------------------------|-----------------|--------------|
| Forecastle..... | <u>32.33 + 1.25 = 33.58</u> | <u>33.58</u> | <u>7-0</u> |
| Bridge House | <u>93.75</u> | <u>93.75</u> | " |
| † Raised Qr. Dk..... | ✓ | | |
| Poop..... | <u>30.50</u> | <u>30.50</u> | " |
| Total | <u>157.83</u> | <u>157.83</u> | <u>4 1/5</u> |
| Length of Ship | <u>379.5</u> | | |
| Corresponding percentage { (Para. 11, 12, 13, or 14) } <u>26.05</u> | | | |

Winter Freeboard from deck line 6-1 1/2
Summer " " " " 5-8 1/2
Indian Summer " " " " 5-3 1/2
N. A. Winter, " " " "
5-8 1/2

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 | " " " | ... |

Amended Tables March, 1906.

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

The surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the actual load draft forward and aft should be reported.

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P.T.O.

Do all the Frames extend to the top height in the Poop? *Yes* Raised Quarter Deck? *✓*
 To what height do the Reverse Frames extend? *Bulk Angle Framing*
 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 *Storm boards fitted in riveted channels full height*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *No* Has the Bridge House an efficient Bulkhead at the after end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *No openings in Bulkhead.*
 What is the thickness of the Bridge Front plating? *40* and Coaming plate? *44*
 Give scantlings and spacing of the Stiffeners *Bulk Angles 8x3x60 spaced 30 apart*
 Are bracket plates fitted at each end of the Stiffeners? *Yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*
 How are the openings closed? *Storm boards fitted in riveted channels 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 after end? *Yes*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Bridge Deck*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *✓*
 Give thickness of plating; scantlings and spacing of Stiffeners *✓*
 What is the height of the exposed Casings? *✓* Are suitable means provided for closing all openings in them in bad weather? *✓*
 Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:— *Yes.*

| Position and Size. | | No 14-29-2x22-0 | | No 2+3-33-4+22-0 | | | | | | | |
|------------------------------|--------------------------|----------------------------------|-------|------------------|-------|-------|-------|-------|-------|-------|-------|
| Item. | | Ship. | Rule. | Ship. | Rule. | Ship. | Rule. | Ship. | Rule. | Ship. | Rule. |
| COAMING | Height above top of DECK | 2-8 | 2-7½ | 2-8 | 2-7½ | | | | | | |
| | Sides | .50 | .50 | .50 | .50 | | | | | | |
| | Ends | .40 | .40 | .40 | .40 | | | | | | |
| SHIFTING BEAMS OR WEB PLATES | Number | 5 | 5 | 6 | 6 | | | | | | |
| | Section and Scantlings | Double angles 4x3x4 but 25x40 | | Same as No 1+4 | | | | | | | |
| | Material | 6" large steel | | | | | | | | | |
| FORE AND AFTERS | Number | | | | | | | | | | |
| | Section and Scantlings | nil | | nil | | | | | | | |
| | Material | | | | | | | | | | |
| HATCHES Thickness | | 3 | 3 | 3 | 3 | | | | | | |
| Remarks | | | | | | | | | | | |

When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.
 (If the sill of the lowest side scuttle will 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.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake? Strake between Main and Bridge Sheerstrakes?
 Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { 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 (e) each side of vessel =

Sq. ft.

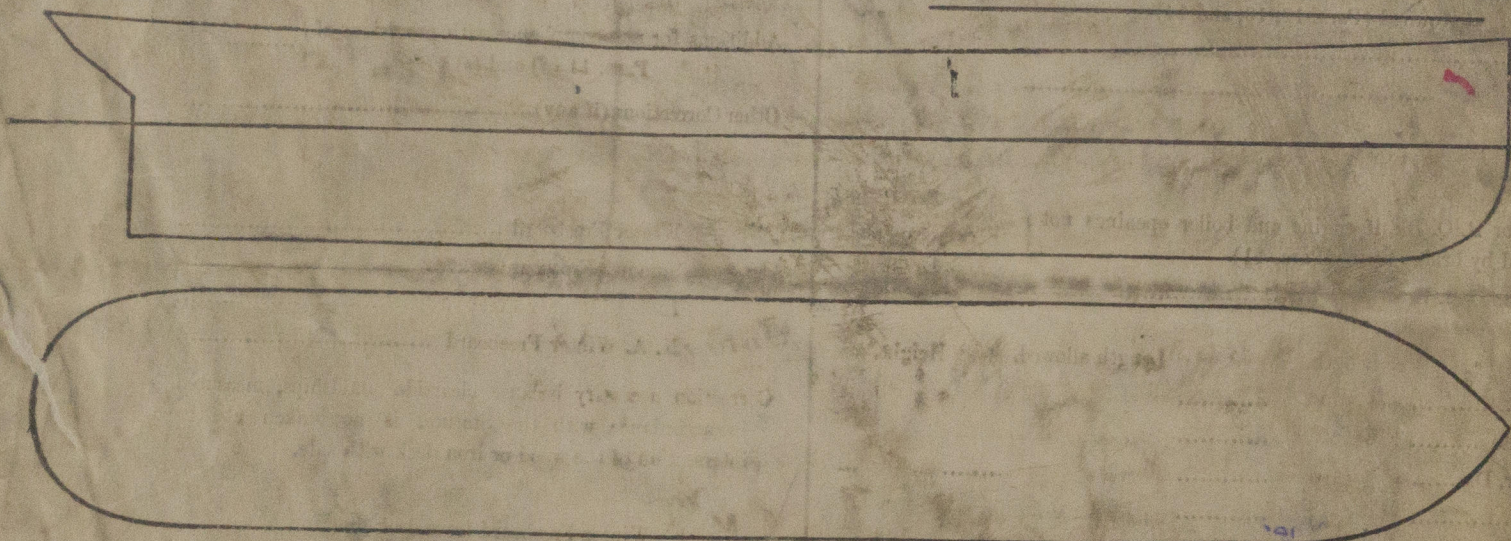
Ft. Tenths. Ft. Tenths. No.

Freeing Ports
(each side of vessel)

Sq. ft.

Total deficiency or excess =

Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel *This vessel is a sister ship to the same builders No 180
 of Cliftonian, No 183 of Gifford No 184 of Dalebank + No 186 of Oristano. All approved plans are being
 forwarded in response to a Telegram received to day.*

Owners

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