

S REGISTER OF BRITISH AND FOREIGN SHIPPING.

SURVEYS FOR FREEBOARD.

MO. 17 AUG 1891

IN RESPECT OF ~~STEAM OR SAILING SHIPS, FLUSH-DECKED, OR~~
HAVING FORECASTLES WITH OR WITHOUT SHORT POOPS.

Port of Survey Cardiff BARRY.
Date of Survey 11th & 14th August 1891
Name of Surveyor John E. Taylor

Ship's Name Alston Gross Tonnage 874 Official Number 69930 Type of Ship Iron Bk. 2nd class Date of Build 1875-10 Particulars of Classification 100 A1
Number in Register Book 666

Registered Length 196.6 Breadth 31.7 Depth 18.6

Length on Load Line
Breadth.....

Depth
Tons und. Dk. 800
× 100

Co-efficient of fineness.....
Any modification necessary }
[Para. 4 (a) to (c)]
Co-efficient as corrected

Sheer at Stem... 56.5 79.5 ÷ 2 = 39.75 ...Mean
at Sternpost... 23.0

Sheer at $\frac{1}{2}$ of the length from Stem 30.5
Sternpost 23.0

Standard Sheer [Table, Para. 16]
Difference.....

If limited as Para. 16 (f)*

Fall in Sheer 1.5 ÷ 2 =
[Para. 16 (d)]

Correction 25
+ 4

*ALLOWANCE FOR DECK ERECTIONS:—

Length. Length allowed. Height.
Forecastle..... 26.0 21.66 5.0

Peep ✓
Total length allowed 21.66

Length of Ship 187 172.8 92.4
118.5

Freeboard Table A D corrected for length
Percentage allowance
Living for Forecastle only 3.85%

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

Fresh Water Line above centre of Disc

Indian Summer Line

below

Line

Line

Moulded Depths as measured 19.7

Rise of floor per section = 22
23 3/4 ✓

Less, if iron uncovered upper deck, the usual thickness of wood deck less stringer.....
Moulded depth to be used with tables

CORRECTION FOR LENGTH:—

Length of Ship on load line..... 187
Length in Table 195.83
Difference 8.83
Correction for 10 ft. 1.0596
× Differences ÷ 10 = -1

CORRECTION FOR ROUND OF BEAM:—

Round of Beam..... 9.0
Normal round 7.8
Difference 1.2 ÷ 2 = 0.6
Proportion of Deck uncovered (Para. 17) 3/4
86/100
-3/4

Freeboard, Table A D. 3.105 - 3.103 1/4 46.75

Correction for Length 1.0

Correction for Sheer 1.3 1/4

Correction for fall in Sheer (if any)..... 1.5

Allowance for Deck Erections 1.3 1/4

Correction for Round of Beam..... 3/4

Other corrections (if any).....

Winter Freeboard 3.5 3/4
Summer Freeboard 3.9 3/4
N. A. Winter Freeboard

Correction necessary because clear side amidships measured in accordance with the statutes is not taken at intersection of the deck with side

Winter Freeboard from deck line*
Summer " " " "
N. A. Winter " " " "

3 7
4

CHARACTER OF DECK ERECTIONS.

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

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

Do. do. do. do. Bridge House? ✓

Do. do. do. do. Forecastle? ✓

To what height do the Reverse Frames extend? *Alternate frames only*

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at its fore end? ✓

State whether the Bridge House efficiently covers the Engine and Boiler Openings? ✓

Has the Bridge House an efficient Iron Bulkhead at the fore end? ✓

Are efficient Doors fitted to the Passage Ways? ✓

Describe how and to what extent it is Stiffened, by angle Irons, Bulb Plates, or otherwise? ✓

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

Are efficient Doors fitted to the Passage Ways? ✓

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

Has the Forecastle an efficient ~~Iron~~ Wood Bulkhead at its after end? *Wood doors & Casings*

Are the Hatchways efficiently constructed? *Yes*

State the height of the Coamings *24, 30 & 34 ins*

Are the Hatches solid? *Yes*

What is their thickness? *2 ins*

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

State any special features in the construction of the Vessel

Owners *Mr. R. H. Penney*

Address *82 Weymouth Road Brighton*

See *2. 2*



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