

Report of Survey for Freeboard.

3282

No. of Report 22954

SPECIAL SURVEY for the determination of the Freeboard of the

by J. Shields

Owner's Name

at Surveyed Afloat or in Dry Dock

Port Newcastle

Received at London Office

Dates of Survey 24 June 1889

Screw steamers

tons, No. 1089

in the Register Book, Classed 100H.

Contemplated

NEW SHIP

FREEBOARD PROPOSED BY OWNER

Registered Tonnage under Deck 1973 to ordinary floor (To Main Deck in Awaiting Deck Vessels)

Length on the Load Line from fore side of stem to aft side of rudder post 290.00 ft.

Registered Breadth 40.00 ft.

Registered Depth of Hold 20.96 ft.

Monided Depth 22 ft.

Main Deck in Spar and Awaiting Deck Vessels.

Tonnage Coefficient of Fineness 41

Has the Vessel Floors of extra depth, or other special features, affecting the Coefficient of Fineness? Cellular & B.

State if the Vessel's Weather Deck is, or is not, of iron, covered with wood Iron - uncovered

If an Awaiting Decked Vessel, state whether the Main Deck, if of iron, is covered with wood 3 ft. 3/2 ins.

The Sheer of the Vessel measured at the side is forward 7 ft. 6 ins., and aft 3 ft. 3/2 ins.

State rise in Sheer at front of Bridge, if Vessel has Long Poop or Long Raised Quarter Deck and Bridge House combined 28 ins.

Do. do. after end of Forecastle do. 51 ins.

In Vessels other than those having Long PooPs or Raised Quarter Decks connected with Bridge Houses, state whether the sheer drops abaft amidships and, if so, by how much 6 1/2 ins.

The Round of Upper Spar Deck Beam is 28.6 ft., and height 3 ft. 0 ins.

The Round of Beam of Main Deck in Awaiting Deck Vessels is 22.0 ft., do. 4 ft. 0 ins.

The length of the Poop from aft side of rudder post to bulkhead is 11.8 ft., do. 7 ft. 0 ins.

Do. of Raised Quarter Deck 33.4 ft., do. 7 ft. 0 ins.

Do. Bridge House is do. 7 ft. 0 ins.

Do. Forecastle from fore side of stem at Load Line is do. 7 ft. 0 ins.

Are the Poop, or Raised Quarter Deck and Bridge House, combined? yes

The height between the Main, and Spar, or Awaiting Deck from Stringer Plate to Stringer Plate is do.

Is the Spar or Awaiting Deck strengthened beyond the requirements of the Rules; and if so, to what extent? yes

Do all the Frames extend to the top height in the Poop? Held beam stringer & gunwale all

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

Do. do. do. Bridge House? yes

Do. do. do. Forecastle? yes

Do. do. do. Awaiting Deck? yes

Do. do. do. Spar Deck? yes

height do the Reverse Frames extend? Held beam stringer & gunwale all

Do or Raised Quarter Deck an efficient Iron Bulkhead at its fore end? yes

Whether the Bridge House efficiently covers the Engine and Boiler Openings yes

Bridge House an efficient Iron Bulkhead at the fore end? yes

how and to what extent it is Stiffened, by Angle Irons, Bulb Plates, or otherwise Bulb angles & knee plates

Bridge House an efficient Iron Bulkhead at the after end? yes

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

Forecastle an efficient Iron or Wood Bulkhead at its after end? yes

essel has Long Poop or Long Raised Quarter Deck and Bridge House combined, state where the crew are berthed, and facilities (if any) exist for enabling them to get to and from their quarters? Forecastle - 48" x 33"

ays efficiently constructed? yes State the height of the Comings 2 1/2

solid? yes What is their thickness? will be sufficient

parts of the Engine and Boiler Casings efficiently constructed? yes

r and sizes of the Freeing Ports in the Vessel's Bulwarks, between the erections on Deck Supplement

he fitted.

opinion that there are any special features in the construction of this Vessel which should cause a modification in the Freeboard required by the Committee's Tables? If so, state their nature, and the extent of the modification you would recommend Has a long bridge with the usual extra strength

Freeboard suitable for this Vessel is in my opinion --

Winter 2 ft. 4 in. from iron

Summer 2 ft. 0 1/2 in. deck

received by me J. Shields

amount of the Fee £

ing Expenses, if any, £

SURVEYOR TO LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

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(See other side.)

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State the number and dimensions of Hatchways in weather deck *Fore hatch 14 x 14 x 40, 22 x 14 x 24*
both aft hatch 20 x 14 x 33

Also how supported, by Web Plates, Shifting Beams, and Fore and Afters *To be as required by*
the Rules

Show by sketch, if desirable.

Coeff. of moulded depth 22.6

Freeboard by table H with normal sheer & length = 4' 9 1/4"

Correction for sheer - deduct - 6 1/8"

Table C - Difference 1' 8 3/4"

Erections 2' = 85% of 20 3/8 = 17 1/4

Freeboard after correction for sheer Erections 1' 4"

Correction for length - 2' 5 1/8"

at deck 2' 7 1/4"

deduct for extra strength to be fitted to long bridge 3 1/2"

In winter 2' 3 3/4"

In summer 2' 0 3/4"

The approved tracings of the midship section and profile are enclosed for reference