

Report of Survey for Freeboard.

3710

of Report 23750 Port Newcastle Received at London Office, NOV 2 1890
 SPECIAL SURVEY for the determination of the Freeboard of the Screw Steamer
"Kaparima" (No. 1249) of ✓ tons, No. ✓ in the Register Book,
 at Newcastle by Edward S.S. Co in 1890 Classed 100 A.1.
 Owner's Name _____ Contemplated
 Surveyed Afloat or in Dry Dock Afloat
(State Name of Dock).

FREEBOARD PROPOSED BY OWNER 1 ft. 4 in.

Registered Tonnage under Deck 1236 (To Main Deck in Awning Deck Vessels)
 Length on the Load Line from fore side of stem to aft side of rudder post 260.00 ft.
 Registered Breadth 36.20 ft.
 Registered Depth of Hold 16.80 ft.
 Moulded Depth 19 ft. 0 in. (This depth should be taken to the
 Main Deck in Spar and Awning Deck Vessels).
 Tonnage Coefficient of Fineness .48

Has the Vessel Floors of extra depth, or other special features, affecting the Coefficient of Fineness? Cellular & Sloping top.
 State if the Vessel's Weather Deck is, or is not, of iron, covered with wood Iron-uncovered.
 If an Awning Decked Vessel, state whether the Main Deck, if of iron, is covered with wood _____
 The Sheer of the Vessel measured at the side is forward 6 ft. 6 ins., and aft 3 ft. 3 ins.
 State rise in Sheer at front of Bridge, if Vessel has Long Poop or Long Raised Quarter Deck and Bridge House combined 26 ins.
 Do. do. after end of Forecastle do. do. do. do. 45 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 ✓
 The Round of Upper ~~or Spar~~ Deck Beam is 8 ins.
 The Round of Beam of Main Deck in Awning Deck Vessels is ✓
 The length of the Poop from aft side of rudder post to bulkhead is 28.9 ft., and height 3 ft. 9 ins. above R.Q.D.
 Do. of Raised Quarter Deck do. 66.0 ft., do. 3 ft. 6 ins.
 Do. Bridge House is 106.0 ft., do. 7 ft. 0 ins.
 Do. Forecastle from fore side of stem at Load Line is 29.0 ft., do. 7 ft. 1 ins.
 Are the Poop, or Raised Quarter Deck and Bridge House, combined? yes
 The height between the Main, and Spar, or Awning Deck from Stringer Plate to Stringer Plate is ✓ ft. ✓ ins.
 Is the Spar or Awning Deck strengthened beyond the requirements of the Rules; and if so, to what extent? ✓

Do all the Frames extend to the top height in the Poop? yes
 Do. do. do. in the Raised Quarter Deck? yes
 Do. do. do. Bridge House? yes
 Do. do. do. Forecastle? yes
 Do. do. do. Awning Deck? ✓
 Do. do. do. Spar Deck? _____
 To what height do the Reverse Frames extend? Lower deck stringer & gunwale alt.
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at its fore end? yes
 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
 Describe how and to what extent it is Stiffened, by Angle Irons, Bulb Plates, or otherwise angles, bulbs & knee plates.
 Has the Bridge House an efficient Iron Bulkhead at the after end? yes
 Are efficient Iron Doors fitted to the Passages of the Bridge House, or is it entered from above? above
 Has the Forecastle an efficient Iron or Wood Bulkhead at its after end? open
 If the Vessel has Long Poop or Long Raised Quarter Deck and Bridge House combined, state where the crew are berthed, and
 what facilities (if any) exist for enabling them to get to and from their quarters? Fore end of bridge
 Are the Hatchways efficiently constructed? yes State the height of the Comings 3 feet
 Are the Hatches solid? yes What is their thickness? 2 1/2"
 Are the exposed parts of the Engine and Boiler Casings efficiently constructed? yes
 State the number and sizes of the Freeing Ports in the Vessel's Bulwarks, between the erections on Deck 4 on each side
side in well 2-6" x 2-0" & 3 on each side on R.Q.D. 1-8" x 1-6"

Are you of 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
This is a sister ship to the S.S. "Tormore", but 5 feet
 longer. No 23073. Nmc: report.

The Freeboard suitable for this Vessel is in my opinion -- { Winter 1 ft. 9 1/2 in. from
 Summer 1 ft. 6 in. from
 The amount of the Fee... Newship is received by me }
 Travelling Expenses, if any, £ _____

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

W382-0205

Report No. 112190 sent to London 12/19

State the number and dimensions of Hatchways in weather deck $N^o 1 - 20 \times 14; 24 \times 14;$
 $22 \times 14; 20 \times 14.$

Also how supported, by Web Plates, Shifting Beams, and Fore and Afters $N^o 1 -$ one deep beam and
 fore & afters; 2 deep beams & 3 wood fore & afters; 2 deep beams
 Show by sketch, if desirable. and 3 wood fore & afters; one deep beam
 and 3 wood fore & afters.

Coeff. 48 moulded depth = 19.3

Table A with normal sheer & length - - - - -	3.5 1/2
deduct for sheer	5/2
	<hr/>
Table C - - - - -	3.3
	1.9 1/2
Difference	<hr/>
	1.5 1/2

Erections = $\frac{229.9}{260} = .88 = 88\% \text{ of } 17\frac{1}{2} = 14\frac{1}{2}.$

Table A after correction for sheer = 3.3	
Erections - - - - -	1.2 1/2
	<hr/>
add for length - - - - -	2.0 1/2
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	2.2
add for R.S.D. being 3.6 in height - - - - -	7/2
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	2.2 1/2
deduct for wood deck	3 1/2
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	1.11
deduct for rim deck being fitted to long bridge (extra strength)	2 1/2
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In winter	1.9 1/2
	<hr/>
	2 1/2
	<hr/>
In summer	1.6 1/2
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	<u>1.6 1/2</u>