

# 3 Decks *Shelter on* IRON OR STEEL STEAMER.

Received at London Office THUR. 1 AUG 1907

Date of completion of report *31st July 1907* Port of *Newcastle on Tyne* No. *53304*  
 Survey held at *Newcastle* Date, First Survey *December 1906* Last Survey *July 25th 1907*  
 On the *Three Deck Steamer Habingua* Rig *Schooner*

TONNAGE under Tonnage Deck... *4429.91* THREE DECKED VESSEL.  
 Do. between Tonnage Dk. and 3rd and 4th Dk. *121.23* CLASS *100.A.1*  
 Total under Upper Dk. *4429.91*

Do. of Poop *106.36* Master *Smith*  
 Do. of Bridge House *106.36* Year of appointment *1890*  
 Do. of Forecastle *106.36* Built at *Newcastle*  
 Do. of Houses on Dk. *106.36* When built *1894* Launched *28th May 1894*

Do. of excess of Hatchways *106.36* By whom built *W. G. Armstrong, Whitworth*  
 Do. above Crown of Engine Room *106.36* Owners *Richmond Steamship Co. Ltd*  
 Gross Tonnage *4429.91* Managers *Richmond Bros.*  
 Less Crew Space *197.81* (Where necessary to be entered in Reg. Book.)  
 Less above Crown of Engine Room *4486.19* Residence *London*  
 ON TONNAGE FOR FEES... *1490.40* Port belonging to *London*  
 Less Engine Room *20.70*  
 Less Navigation Spaces *2925.09*

Register Tonnage *2925.09* as cut on Beam...  
 Destined Voyage *Atlantic* If Surveyed while Building, Afloat, or in Dry Dock

Length on Deck *398* Feet. Breadth *51* Feet. Depth *29* Feet. No. of Decks with flat laid *3*  
 as per Rule... *398* Moulded *51* Do. do. do. do. Main Dk. Beams *19 1/2* No. of Tiers of Beams *34 deep frames*

Dimensions of Ship per Register, Length *400.0* breadth *52.1* depth *29.0* Moulded depth, ft. *29* ins. *9* To Upper Dk. *12 1/2* ins.

FRAMING. Inches in Ship. 20ths in Ship. 20ths in Ship. 20ths in Ship. 20ths in Ship. 20ths in Ship.  
 RAME, Angles, or *7* Bars for  $\frac{1}{2}$  length amidships *6 3 1/2 10 6 3 1/2 10*  
 Do. for  $\frac{1}{2}$  at each end *6 3 1/2 9 6 3 1/2 9*  
 Do. in way of Double Bottoms at Solid Floors *3 1/2 3 1/2 10 3 1/2 3 1/2 10*

Distance of Frames from moulding edge to moulding edge, all fore and aft *25*  
 REVERSED FRAME, Angles *4 3 1/2 11 4 3 1/2 11*  
 DEEP FRAMING, depth of girder *10*  
 FLOORS, depth and thickness of Floor Plate at mid line for  $\frac{1}{2}$  length amidships *10*

in way of Engines and Boilers *6 5 1/2*  
 thickness at the ends of vessel *6 5 1/2*  
 depth at  $\frac{1}{2}$  the half breadth, as per Rule *6 5 1/2*  
 height extended at the Bilges *8*

FLOORS & BRACKETS in Cell Dble Bottoms *4 5*  
 Distance apart *25*  
 CENTRE GIRDER, in Double bottom, depth and thickness *4 5*  
 Angles, Top *4 10 4 10*  
 Bottom *4 12 4 12*

SIDE GIRDERS, number on each side & thickness *3 1/2 3 1/2 9 3 1/2 3 1/2 9*  
 Angles *4 4 10 4 4 10*  
 MARGIN PLATE, depth (exclusive of flange) and thickness *4 5*  
 Angles to Outside Plating *4 4 10 4 4 10*

INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake *4 5*  
 in Engine and Boiler space *10 8 12*  
 Remainder in Holds *9-8 4 8-4 9-8 4 8-4*

BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb *10 3 1/2 3 1/2 2 10 3 1/2 3 1/2 2*  
 Angles on upper edge *25*  
 Average space *25*

BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb *10 3 1/2 3 1/2 13 10 3 1/2 3 1/2 13*  
 Angles on upper edge *25*  
 Average space *25*

BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb *8 3 10 8 3 10*  
 Angles on upper edge *25*  
 Average space *25*

BEAMS, Hold, or Orlop, Plate or Tee Bulb *8 3 10 8 3 10*  
 Angles on upper edge *25*  
 Average space *25*

BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb *8 3 10 8 3 10*  
 Angles on upper edge *25*  
 Average space *25*

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb *8 3 10 8 3 10*  
 Angles on upper edge *25*  
 Average space *25*

PILLARS, In 'tween Deck, size and spacing *2 1/2 8 3 1/2 5 0 2 1/2 8 3 1/2 5 0*  
 Hold *3 1/2 8 3 1/2 5 0 3 1/2 8 3 1/2 5 0*  
 Quarter 'tween Dks. *3 1/2 8 3 1/2 5 0 3 1/2 8 3 1/2 5 0*

in Hold *3 1/2 8 3 1/2 5 0 3 1/2 8 3 1/2 5 0*  
 WEB-FRAMES, In Fore Body, No. and spacing *3 1/2 8 3 1/2 5 0 3 1/2 8 3 1/2 5 0*  
 breadth & thickness *21 x 9 21 x 9*

No. of Side Stringers *(3)*  
 WEB-FRAMES, In E. & B. Space, No. and spacing *3 1/2 8 3 1/2 5 0 3 1/2 8 3 1/2 5 0*  
 breadth & thickness *30 x 10 30 x 10*

WEB-FRAMES, In After Body, No. and spacing *3 1/2 8 3 1/2 5 0 3 1/2 8 3 1/2 5 0*  
 breadth & thickness *30 x 10 30 x 10*  
 No. of Side Stringers

Size of Angles or Tee Bars to Web-Frames *6 1/2 4 1/2 13 6 1/2 4 1/2 13*  
 BRACKET PLATES to Stringers between Web Frames, depth and thickness *4 8 x 10 4 8 x 10*

FORGINGS OR CASTINGS. Inches in Ship. Inches per Rule. Or as Approved.  
 KEEL, Bar or Side Plates, depth and thickness *11 1/2 x 3 1/8*  
 STEM, moulding and thickness *11 1/2 x 3 1/8*  
 STERN-POST for Rudder do. do. *11 1/2 x 3 1/8*  
 for Propeller *11 1/2 x 3 1/8*

MAIN PIECE of Rudder, diameter at head *10*  
 do. at heel *9 1/2*  
 RUDDER, how constructed *Large flat, single plate 22 1/2*  
 Can the Rudder be unshipped afloat? *Yes*

KEELSONS & STRINGERS. Inches in Ship. Inches in Ship. 20ths in Ship. Inches per Rule. Or as Approved.  
 CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate *11 1/2 x 3 1/8*  
 Rider Plate *11 1/2 x 3 1/8*  
 Bulb Plate to Intercostal Keelson *11 1/2 x 3 1/8*  
 Horizontal Plates on Floors *11 1/2 x 3 1/8*

SIDE KEELSON, Angles *11 1/2 x 3 1/8*  
 Bulb or Plate above floors, for length *11 1/2 x 3 1/8*  
 Intercostal Plate, for length *11 1/2 x 3 1/8*  
 Attached to outside Plating with Angle *11 1/2 x 3 1/8*

BULGE KEELSON, Angles *11 1/2 x 3 1/8*  
 Bulb or Plate above floors, for length *11 1/2 x 3 1/8*  
 Intercostal Plate, for length *11 1/2 x 3 1/8*  
 Attached to outside Plating with Angle *11 1/2 x 3 1/8*

BULGE STRINGER Angles *11 1/2 x 3 1/8*  
 Bulb Plate for length *11 1/2 x 3 1/8*  
 Intercostal Plate for length *11 1/2 x 3 1/8*  
 Attached to outside Plating with Angle *11 1/2 x 3 1/8*

SIDE STRINGER Angles *11 1/2 x 3 1/8*  
 Bulb or Intercostal Plate, for length *11 1/2 x 3 1/8*  
 Attached to outside plating with Angle *11 1/2 x 3 1/8*  
 Upper Deck Stringer Plates, br'dth & thickness *6 1/2 x 11*  
 (2) Angle on ditto *4 x 4 x 9*  
 Tie Plates fore and aft, outside Hatchways *4 x 4 x 9*  
 Deck \* *Iron* Steel, for *Full* length *9-6*  
 Wood Deck, Material & thickness *9-6*



PLATING. RIVETING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS. Includes sections for MASTS, SPARS, &c., EQUIPMENT, ANCHORS, CHAIN CABLES, HAWSERS AND WARPS, and a bottom section for Boats, Pumps, Windlass, Engine Room Skylights, Coal Bunker Openings, etc.



**Correspondence.**—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case) *7/5/06*  
*12/5/06; 19/5/06; 30/7/06; 9/8/06; 2/10/06; 26/11/06*

**Workmanship.** Are the butts of plating planed or otherwise fitted? *Planed*  
Is the riveted work properly closed? *Yes*  
Are the liners between the frames and plates solid single pieces? *Unlugged frames* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *Yes* Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *Yes* Do any rivets break into or through the seams or butts of plating? *a very few*  
Are the butts of Plating, Stringers, &c., properly shifted and strapped? *Yes*  
Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? *Yes* State results of tests *Satisfactory*  
Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *Yes* State results of tests *Satisfactory*

**General Remarks** (State quality of workmanship, &c.) *This steel steamship has been constructed in accordance with the approved amended Midship Section forwarded to London on the instant and plans attached, the Secretary's letters and in other respects with the Rules to Class 100 A-1. Shelter deck, and the materials and workmanship throughout are good.*

*This steamer is a sister vessel to the S.S. "Haronga", Newcastle report N° 53043.*  
*A blue print copy of the approved amended Midship Section is forwarded to be retained in the London office with this report, but please return the original approved plans for guidance in the construction of the sister vessel N° 796 &c.*

The Surveyor should state the Number of Report and Name of any Sister Vessel. *as above*

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop *—* ft., R.Q.D. or Break *—* ft., Bridge Dk. *—* ft., F' castle *—* ft., (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. *Shelter deck all fore and aft as per approved plans*  
No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) *2 (Steel) & Shelter deck (Steel) & deep framing*  
Official No. *—*; Signal Letters *—*  
How are the surfaces preserved from oxidation? Inside *Cement and Paint* Outside *Paint*

**PARTICULARS OF WATER BALLAST.**—State whether the Double bottom is constructed on the cellular system or with girders on floors *cellular*

Where fitted.	*Length.	Water Capacity.	Where fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	<i>123</i>	<i>308</i>	Fore peak tank,		
Double bottom, under Engines and Boilers,	<i>63</i>	<i>249</i>	After peak tank,	<i>10</i>	<i>29</i>
Double bottom, if under Engines only,			Midship deep tank,		
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,	<i>154</i>	<i>414</i>	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks. State whether the above have been tested as required by the Rules *Yes*

Order for Special Survey No. *576*  
Date *20.12.06*  
No. *795* in builder's yard.  
DATES of Surveys held while building  
*1906 Dec. 28, 1907 Jan. 10, 16, 23, 29, Feb. 4, 11, 18, 27, Mar. 7, 14, 20, 26, 27, Apr. 4, 11, 18, 22, 23, 24, 25, 26, May 2, 7, 10, 15, 16, 17, 22, 23, 27, 28, June 4, 11, 18, 25, 27, 28, July 1, 5, 17, 19, 26*  
Total No. of Visits *51*

The amount of Entry Fee *£ 5* : : : Fees applied for, *31 JUL 1907*  
Special Survey Fee *£ 37* : : : Received by me, *2.8.18*  
Travelling Expenses, if any £ : : :  
State whether the Vessel has been built under Special Survey *Yes*  
I am of opinion this Vessel should be Classed *100 A-1, Shelter deck*  
With, or without Freeboard, as condition of Class *With Freeboard*  
Certificate to be sent to *Newcastle-on-Tyne.*  
*James M Neil & F. C. Smith*  
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *FRI. 2 AUG 1907*  
Character assigned *100 A-1 (SH)*  
*Shelter dk with fbd 54-1*  
*Lloyd's asc + time 7.07 PM*

The Surveyors are requested not to write on or below the Committee's Minute.