

~~Awning or Shelter Deck,~~
~~or Pt. Awning Deck~~

STEEL STEAMER.

No. 34135

State of Report is also sent on the Machinery of the Vessel

Port of Glasgow Date of completion of Report 3rd March 1914 Received at London Office
Survey held at Dumbarton Date, First Survey 3rd March 1914 Last Survey 7th Septemr 1914

On the (State if Single, Twin, or Triple Screw) Four Screw S.S. NAIRANA 4 Turbine gear Rig Schooner

TONNAGE under Tonnage Deck... CLASS +100 A.I. Shelter Deck FEET. Master Commander Gregory R.N

Do. between Tonnage Dk and 4th, or Awning Dk. Breadth (greatest moulded) 46.60 Year of Appointment 1914

al under Upper Dk. Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 14.25

of Poop. Deduct height of tween deck when this does not exceed 8ft. ✓ Built at Dumbarton

R. Qr. Dk. Transverse Number 62.75 When built 1914 Launched 21 June 1915

Bridge House Length on deck from fore part of stem to after part of sternpost 315.0 By whom built W. Denny & Bros

Forecastle Houses on Deck Longitudinal Number 19440 Owners Huddart Parker & Co

excess of Hatchways Depth "d" at middle of length. See Secs. 2 & 13. 6.76 L.D. 14.25 E.S. 15.25 B.S. Managers do

above Crown of Engine Room Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 12.4

S Tonnage MAIN Upper Deck at side to top of keel 18.2 Residence London & Melbourne

Crow Space Port belonging to Melbourne

above Crown of Engine Room Destined Voyage ✓ If Surveyed while Building, Afloat, or in Dry Dock Yes

Navigation Spaces

Master Tonnage out on Beam...

LENGTH on Deck as per Rule 315 Ins. 0 BREADTH Moulded 46 Ins. 6 DEPTH, ACTUAL—Top of Floors to top of Shelter Dk. Beams 23.6 Ins. 9 do. MAIN Upper Deck Beams 14 Ins. 3 No. of Decks with flat laid 3 No. of Tiers of Beams 3

Dimensions of Ship per Register, Length 326.5 breadth 46.6 depth 16.1 MAIN Upper Deck. Moulded depth, ft. 14 ins. 3 To Upper Dk. Round up of Uppermost Dk. Beam, Actual 11 1/2 ins

FRAMING.						PILLARS.					
NAME, Angles, or Bars, amidships						PILLARS, in tween Deck, size and spacing					
Do. in peaks	5 1/2	3	38	5 1/2	3	" Hold	2 1/2 x 1/2	48	2 1/2 x 1/2	48	
Do. in way of Double Bottoms at Solid Floors	3	3	32	3	3	" Quarter, 'tween Dks., "	2 3/4 x 1/4	48	2 3/4 x 1/4	48	
" " at intermdt. Bkts.						" in Hold	3 x 3 1/2 x 1/4	48	3 x 3 1/2 x 1/4	48	
acing of Frames from centre to centre amidships	24			24		KEELSONS AND STRINGERS.					
" length to collision bulkhead	24			24		CENTRE LINE KEELSON, Vertical Plates above					
" of Frames from centre to centre in peaks	24			24		floors, Through Plate, or Intercoastal Plate					
EVERSED FRAME, Angles... B. ROOM	3 1/2	3 1/2	32	3 1/2	3 1/2	" Rider Plate					
Do. in way of Double bottoms at Solid Floors	3	3	32	3	3	" Flat Keel Plate Angles	1 1/2	3 1/2	50	3 1/2	3 1/2
" " at intermdt. Bkts.						" Horizontal Plates on Floors	18	60		18	60
ACING, depth of girder	5 1/2	7	7 1/2	5 1/2	7	" Angles or Bulb Angles	5	3 1/2	60	5	3 1/2
LOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	24	30		24	30	SIDE KEELSONS, Number 2, each side B.S.					
" in way of Engine and Boiler spaces	24	54		24	54	" Angles or Bulb Angles	5 1/2	3 1/2	75	5 1/2	3 1/2
" thickness at the ends of vessel	12			12		" Plate above floors, for length					
" depth at 1/2 the half-bdth. as per Rule	48			48		" Intercoastal Plate, for full length	B.S.	60	30	B.S.	60
" height extended at the Bilges						" Attached to outside plating with Angle	1	3	32	1	3
LOORS, in Cell Double Bottoms			32		32	BILGE KEELSON, Angles					
" state if flanged (top and bottom)						" Intercoastal Plate, for length					
" spacing of Solid	24			24		" Attached to outside plating with Angle					
ENTRE GIRDER, in Dbl. bottom, dpth. & thcknss	36	42		36	42	SIDE STRINGERS, Number 1, in E. and B. space					
" Angles, Top Single	3 1/2	3 1/2	5	3 1/2	3 1/2	" Angle	5	3 1/2	40	5	3 1/2
" Bottom Double	3 1/2	3 1/2	5	3 1/2	3 1/2	" Intercoastal Plate, for B.S. lng.			30		
" to Floors double	3	3	32	3	3	" Attached to outside plating with Angle	1	3	30	1	3
" Brackets at intermdt. frmg. width & thcknss						Awning or Shelter Deck Stringer Plates, breadth and thickness					
IDE GIRDERS, number and thickness			32		32	" Angle on ditto	3 1/2 x 3 1/2	56	3 1/2 x 3 1/2	56	
" state if flanged (top & bottom)	40					" Tie Plates, fore and aft, outside Hatchways					
" Angles	3	3	32	3	3	" Deck, * Iron or Steel, for full lng.	32	28	32	28	
MARGIN PLATE, depth (exclusive of flange) and thickness	26	25	38	26	25	MAIN Wood Deck, Material & thickness TEAK	2 1/4		2 1/4		
" Angles to outside plating	3 1/2	3 1/2	38	3 1/2	3 1/2	Upper Deck Stringer Plate, breadth and thickness	44	40	44	40	
" to floors	3	3	32	3	3	" Angles on ditto, No. 2	3 x 3	38	3 x 3	38	
" Brackets at intermdt. frmg. width & thcknss						" Tie Plates, outside Hatchways	12	40	12	40	
" Height of Brackets above at bilge	19			19		" Deck, * Iron or Steel, for E. and B. sp lng.		28		28	
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	34	42		34	42	Wood Deck, Material & thickness TEAK	2		2		
" thickness in Engine and Boiler space	34			34		Second Deck Stringer Plates, br'dth & thckn's					
" Remainder in Holds	34	6	28	34	6	" Angles on ditto, No. 2	3 x 3	30	3 x 3	30	
BEAMS, Awning or Shltr Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	6	8	40	6	8	" Tie Plates, outside Hatchways	12	30	12	30	
" Spacing	24			24		" Deck, * Material and thickness AFT END STEEL		30		30	
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	8	3	42	8	3	Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness					
" Spacing	48			48		" Angles on ditto, No.					
BEAMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	8	3	42	8	3	" Tie Plates, outside Hatchways					
" Angles on upper edge						" Deck, Material and thickness					
" Spacing	48			48		Deck Stringer Plate, breadth & thickness					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	5	2 1/2	30	5	2 1/2	" Angles on ditto, FRIEZE PLATE	12 1/2	42	12 1/2	42	
" Angles on upper edge						" Tie Plates, DECK PLATING		16		16	
" Spacing	48			48		" Deck, Material and thickness TEAK	2 1/4		2 1/4		
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	5	2 1/2	26	5	2 1/2	Bridge Deck Stringer Plate, br'dth & thickness	3 x 2 1/2 x 2	26	3 x 2 1/2 x 2	26	
" Angles on upper edge						" Angle on ditto FRIEZE PLATE	12 1/2	42	12 1/2	42	
" Spacing	48			48		" Tie Plates	12	26	12	26	
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	7	3	40	7	3	" Deck, Material and thickness OVER HOUSES		16		16	
" Angles on upper edge						Forecastle Deck Stringer Plate, br'dth & th'kns	21	2	21	2	
" Spacing	48			48		" Angle on ditto	3 x 3	30	3 x 3	30	
						" Tie Plates	12	30	12	30	
						" Deck, Material and thickness TEAK	2 1/4		2 1/4		

* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

WEB FRAMES. WEB-FRAMES, In Fore Body, No. and spacing. No. of Side Stringers. WEB-FRAMES, In E. & B. Space, No. and spacing. WEB-FRAMES, In After Body, No. and spacing. BRACKET PLATES to Stringers between Web Frames, depth and thickness. BULKHEADS. W.T. BULKHEADS. COLLISION PARTITION. LONGITUDINAL. PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. RIVETING. BUTTS. KEEL, depth and thickness. STEM, moulding and thickness. STERN-POST for Rudder do. do. for Propeller. RUDDER-A x D. Table 22. Speed. Main-Piece, diameter at head. at heel. RUDDER, how constructed. Thickness of Plates or Single Plate. Can the Rudder be unshipped afloat? Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c. Are the outside Plates doubled two spaces of Frames in length? Are the Sluice Valves and Watertight Doors in efficient working order? PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. RIVETING. BUTTS. THICKNESS OF SHEET PILES. CLEAR OF LONG BRIDGE. DO. OF STRAKE BELOW. DELEG. of Flat Plate Keel. Length and thickness. POOP SIDES. SHORT BRIDGE SIDES. FORECASTLE SIDES. FRAMES extend in one length from. REVERSED FRAMES on floors and frames extend from in way of Double Bottom. MASTS, SPARS, &c. LOWER MASTS. Bowsprit. Topmasts, Yards and Remainder of Spars. Rigging, Material and Size, Shrouds. Sails. Suit of. Sails, and the following spare sails.

EQUIPMENT No. 23066 LETTER W. ANCHORS. CHAIN CABLES. HAWSERS AND WARPS. Boats. Steering Gear, Steam. Steering Gear, Hand. Pumps, Number. Diameter of Barrel. Windlass is. Engine Room Skylights. Coal Bunker Openings. Number of Scuppers, and numbers and dimensions of. Ceiling in Holds, thickness and material. Cargo Hatchways. State size No. 1 Hatch. No. 2 Hatch. No. 3 Hatch. No. 4 Hatch. Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. Bulwarks, height above deck and description. The foregoing is a correct description. Builder's Signature. Correspondence. Workmanship. Are the butts of plating planed or otherwise fitted? Is the riveted work properly closed? Are the liners between the frames and plates solid single pieces? to plate, &c., conform well to each other? from the faying surfaces? Are the butts of Plating, Stringers, &c., properly shifted and strapped? Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? General Remarks. This vessel has been taken over by the Admiralty, and altered, masts both at fore & after end being added, with cranes, and the vessel otherwise altered to make her suitable for carrying hydroplanes. The Surveyor should state the Number of Report and Name of any Sister Vessel built or Yard Number of any building. The amount of Entry Fee. Special Survey Fee. Travelling Expenses, if any. State whether the Vessel has been built under Special Survey. I am of opinion this Vessel should be Classed. With, or without Freeboard, as condition of Class. Committee's Minute. Character assigned. Date of Build. Date of Report. Water Tube Boilers.

GENERAL REMARKS--(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 60 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated.

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 Decks (MAIN PART STEEL W.S.) (SHELTER OR STEEL W.S.)

Official No. ☒ ; Signal Letters

State if Machinery is fitted aft. No

How are the surfaces preserved from oxidation? Inside Paint + Bituminous Cement in A.S. Tanks Outside Paint + Composition

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	30.0	18	Fore peak tank,	24.5	38
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	14.0	59
Double bottom, if under Engines only,	34.0	34	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	14.0	DRY TANK	Deep tank, forward,	✓	✓
Double bottom, forward, W. 8 at centre	98.0	88	Other tanks, if fitted,	✓	✓
Total capacity of double bottom	143		(If necessary, furnish further information by sketch.)	✓	99

* 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. 4830

Date 28. 4. 14

No. 1016 in builder's yard.

DATES of Survey held while building

1914 Jan. 3, 6, 12, 16, 20, 23, 26, 30. Apr. 3, 7, 9, 16, 23, 28, 30. May 5, 7, 13, 15, 18, 22, 26, 29. June 5, 9, 12, 16, 19, 24, 30. July 3, 9, 15, 31. Aug. 1, 15, 20, 25. Sept. 1, 14, 15, 21, 24, 25, 30. Oct. 1, 15, 20, 24, 30. Nov. 4, 10, 14, 20, 23, 24. Dec. 1, 8, 11, 18, 21, 1915. Jan. 4, 11, 19, 26. Feb. 2, 16. Mar. 9, 14, 30. Apr. 15, 20. May 14, 26. June 14, 21. Sept. 2, 4. Nov. 13, 19. Jan. 24. Feb. 14, 21, 24, 1916. Jan. 28, 30. Feb. 11, 14, 19. Mar. 22, 23, 24, 27, 28. Sept. 4.

Total No. of Visits 98

Surveyor's Signature

of or M. Wall & Self George Shaw Albert David