

5 Decks.

IRON OR STEEL STEAMER.

Received at London **WES. 24 NOV 1903**Date of completion of report 21st Nov '03

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

Port of Glasgow

No. 21318

Survey held at Glasgow

Date, First Survey 8th Sept '02Last Survey 16th Nov 1903

On the Iron Screw Steamer "ARMADALE CASTLE"

Rig Schooner

TONNAGE under 5965.45
Tonnage Deck 2271.35
Do. between Tonnage Dk. 2355.44
and 3rd and 4th Dk. 10542.74

THREE DECKED VESSEL.

CLASS 100 A.1.

Master J. C. Robinson

Year of appointment (1) As Master in service of owner of present vessel: 1874
(2) As Master of this vessel: 1903

Do. of Poop 331.47

Do. of Bridge House

Do. of Forecastle 218.24

Do. of Houses on Dk. 1495.25

Do. of Excess of Hatchways

Do. above Crown of Engine Room 335.07

Gross Tonnage 12972.77

Less Crew Space 569.07

Less above Crown of Engine Room 335.07

TONNAGE FOR FEES 12068.63

Less Engine Room 5077.22

Less Navigation Spaces 61.99

Register Tonnage 4264.49

as cut on Beam

Half Breadth (moulded) 32.13

Depth from upper part of Keel to top of Upper Deck Beams 43.85

(with the normal round up of beam)

Girth of Half Midship Frame (as per Rule) 69.79

deduct 7 feet 7.0

1st Number 138.77

Length on deck from after part of stem to fore part of stern post 567.92

2nd Number 788.10

Proportions—Breadth to Length 8.83

Depth to Length—Upper Deck to top of Keel 12.9

Main Deck ditto

Destined Voyage Southampton

Surveyed while Building, Afloat, or in Dry Dock

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH— Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
567		11	64		3	Do. do. do. do. Main Dk. Beams	39	9	4
							30	9	No. of Tiers of Beams 4
Dimensions of Ship per Register, Length 570.1 breadth 64.53 depth 39.0. Moulded depth, ft. 42 ins. 6 1/2 To Upper Dk.									Round of Upper Dk. Beam. Actual 12 ins.

Dimensions of Ship per Register, Length 570.1 breadth 64.55 depth 39.0. Moulded depth, ft. 42 ins. 64 To Upper Dk. Round of Upper Dk. Beam, Actual 12 ins.

FRAMING.				FORGINGS and CASTINGS.			
Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
FRAME, Angles, or Bars for length amidships				KEEL, Bar or Side Plates, depth and thickness			
Do. for 1/2 at each end	Do. for 1/2 at each end	Do. for 1/2 at each end	Do. for 1/2 at each end	STEM, moulding and thickness			
Do. in way of Double Bottoms at Solid Floors	Do. in way of Double Bottoms at Solid Floors	Do. in way of Double Bottoms at Solid Floors	Do. in way of Double Bottoms at Solid Floors	STERN-POST for Rudder do. do.			
Distance of Frames from moulding edge to moulding edge, all fore and aft	Distance of Frames from moulding edge to moulding edge, all fore and aft	Distance of Frames from moulding edge to moulding edge, all fore and aft	Distance of Frames from moulding edge to moulding edge, all fore and aft	MAIN PIECE of Rudder, diameter at head			
REVERSED FRAME, Angles, or Bars	REVERSED FRAME, Angles, or Bars	REVERSED FRAME, Angles, or Bars	REVERSED FRAME, Angles, or Bars	" do. at heel			
DEEP FRAMING, depth of girder	DEEP FRAMING, depth of girder	DEEP FRAMING, depth of girder	DEEP FRAMING, depth of girder	RUDDER, how constructed			
FLOORS, depth and thickness of Floor Plate	FLOORS, depth and thickness of Floor Plate	FLOORS, depth and thickness of Floor Plate	FLOORS, depth and thickness of Floor Plate	Can the Rudder be unshipped afloat?			
in way of Engines and Boilers	in way of Engines and Boilers	in way of Engines and Boilers	in way of Engines and Boilers	KEELSONS & STRINGERS.			
Thickness at the end of vessel	Thickness at the end of vessel	Thickness at the end of vessel	Thickness at the end of vessel	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
depth at 1/2 the length, as per Rule	depth at 1/2 the length, as per Rule	depth at 1/2 the length, as per Rule	depth at 1/2 the length, as per Rule	" Rider Plate			
height extended at the Ribs	height extended at the Ribs	height extended at the Ribs	height extended at the Ribs	" Bulb Plate to Intercoastal Keelson			
FLOORS & BRACKETS in Cell Dble Bottoms	FLOORS & BRACKETS in Cell Dble Bottoms	FLOORS & BRACKETS in Cell Dble Bottoms	FLOORS & BRACKETS in Cell Dble Bottoms	" Horizontal Plates on Floors			
Distance apart	Distance apart	Distance apart	Distance apart	" Angles			
CENTRE GIRDER, in Double bottom, depth and thickness	CENTRE GIRDER, in Double bottom, depth and thickness	CENTRE GIRDER, in Double bottom, depth and thickness	CENTRE GIRDER, in Double bottom, depth and thickness	SIDE KEELSON, Angles			
" Angles, Top	" Angles, Top	" Angles, Top	" Angles, Top	" Bulb or Plate above floors, for lng.			
" Bottom	" Bottom	" Bottom	" Bottom	" Intercoastal Plate, for length			
SIDE GIRDERS, number on each side & thickness	SIDE GIRDERS, number on each side & thickness	SIDE GIRDERS, number on each side & thickness	SIDE GIRDERS, number on each side & thickness	" Attached to outside Plating with Angle			
" Angles	" Angles	" Angles	" Angles	BILGE KEELSON, Angles			
MARGIN PLATE, depth (exclusive of flange) and thickness	MARGIN PLATE, depth (exclusive of flange) and thickness	MARGIN PLATE, depth (exclusive of flange) and thickness	MARGIN PLATE, depth (exclusive of flange) and thickness	" Bulb or Plate above floors, for lng.			
" Angles to Outside Plating	" Angles to Outside Plating	" Angles to Outside Plating	" Angles to Outside Plating	" Intercoastal Plate for length			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	" Attached to outside Plating with Angle			
" in Engine and Boiler space	" in Engine and Boiler space	" in Engine and Boiler space	" in Engine and Boiler space	BILGE STRINGER Angles			
" Remainder in Holds	" Remainder in Holds	" Remainder in Holds	" Remainder in Holds	" Bulb Plate for length			
BEAMS, Upper Deck, Single Angle, Bulb, or Tee	BEAMS, Upper Deck, Single Angle, Bulb, or Tee	BEAMS, Upper Deck, Single Angle, Bulb, or Tee	BEAMS, Upper Deck, Single Angle, Bulb, or Tee	" Intercoastal Plate for length			
" Angles on upper edge	" Angles on upper edge	" Angles on upper edge	" Angles on upper edge	" Attached to outside Plating with Angle			
" Average space	" Average space	" Average space	" Average space	SIDE STRINGER Angles			
BEAMS, Middle Deck, Single Angle, Bulb, or Tee	BEAMS, Middle Deck, Single Angle, Bulb, or Tee	BEAMS, Middle Deck, Single Angle, Bulb, or Tee	BEAMS, Middle Deck, Single Angle, Bulb, or Tee	" Bulb or Intercoastal Plate, for whole lng.			
" Angles on upper edge	" Angles on upper edge	" Angles on upper edge	" Angles on upper edge	" Attached to outside plating with Angle			
" Average space	" Average space	" Average space	" Average space	Upper Deck Stringer Plates, br'dth & thickness			
BEAMS, Lower Deck, Single Angle, Bulb, or Tee	BEAMS, Lower Deck, Single Angle, Bulb, or Tee	BEAMS, Lower Deck, Single Angle, Bulb, or Tee	BEAMS, Lower Deck, Single Angle, Bulb, or Tee	" Angle on ditto			
" Angles on upper edge	" Angles on upper edge	" Angles on upper edge	" Angles on upper edge	" Tie Plates fore and aft, outside Hatchways			
" Average space	" Average space	" Average space	" Average space	" Deck * Iron or Steel, for whole lng.			
BEAMS, Hold, or Orlop, Plate or Tee Bulb	BEAMS, Hold, or Orlop, Plate or Tee Bulb	BEAMS, Hold, or Orlop, Plate or Tee Bulb	BEAMS, Hold, or Orlop, Plate or Tee Bulb	" Wood Deck, Material & thickness			
" Angles on upper edge	" Angles on upper edge	" Angles on upper edge	" Angles on upper edge	Middle Deck Stringer Plate, br'dth & thickness			
" Average space	" Average space	" Average space	" Average space	" Angles on ditto, No. 2			
BEAMS, Poop Deck, Angle, Bulb, or Tee	BEAMS, Poop Deck, Angle, Bulb, or Tee	BEAMS, Poop Deck, Angle, Bulb, or Tee	BEAMS, Poop Deck, Angle, Bulb, or Tee	" Tie Plates outside Hatchways			
" Angles on upper edge	" Angles on upper edge	" Angles on upper edge	" Angles on upper edge	" Deck * Iron or Steel, for whole lng.			
" Average space	" Average space	" Average space	" Average space	" Wood Deck, Material & thickness			
BEAMS, Forecastle Deck, Angle, Bulb, or Tee	BEAMS, Forecastle Deck, Angle, Bulb, or Tee	BEAMS, Forecastle Deck, Angle, Bulb, or Tee	BEAMS, Forecastle Deck, Angle, Bulb, or Tee	Lower Deck Stringer Plate, br'dth & thickness			
" Angles on upper edge	" Angles on upper edge	" Angles on upper edge	" Angles on upper edge	" Angles on ditto, No. 2			
" Average space	" Average space	" Average space	" Average space	" Tie Plates outside Hatchways			
PILLARS, In 'tween Deck, size and spacing	PILLARS, In 'tween Deck, size and spacing	PILLARS, In 'tween Deck, size and spacing	PILLARS, In 'tween Deck, size and spacing	" Deck * Material and thickness			
" Hold	" Hold	" Hold	" Hold	" Steel			
" Quarter 'tween Dks.,	" Quarter 'tween Dks.,	" Quarter 'tween Dks.,	" Quarter 'tween Dks.,	Poop Deck Stringer Plate, breadth & thickness			
" in Hold	" in Hold	" in Hold	" in Hold	" Angle on ditto			
WEB-FRAMES, In Fore Body, No. and spacing	WEB-FRAMES, In Fore Body, No. and spacing	WEB-FRAMES, In Fore Body, No. and spacing	WEB-FRAMES, In Fore Body, No. and spacing	" No Plating			
" No. of Side Stringers	" No. of Side Stringers	" No. of Side Stringers	" No. of Side Stringers	" Deck, Material and thickness			
" No. of Side Stringers	" No. of Side Stringers	" No. of Side Stringers	" No. of Side Stringers	" Steel			
Size of Angles on Tee Bars to Web-Frames	Size of Angles on Tee Bars to Web-Frames	Size of Angles on Tee Bars to Web-Frames	Size of Angles on Tee Bars to Web-Frames	Bridge Deck Stringer Plate, br'dth & thickness			
BRACKET PLATES, to Stringers between Web-Frames, depth and thickness	BRACKET PLATES, to Stringers between Web-Frames, depth and thickness	BRACKET PLATES, to Stringers between Web-Frames, depth and thickness	BRACKET PLATES, to Stringers between Web-Frames, depth and thickness	" Angle on ditto			
				" No Plating			
				" Deck, Material and thickness			
				" Steel			
				Forecastle Deck Stringer Plate, br'dth & th'kns			
				" Angle on ditto			
				" No Plating			
				" Deck, Material and thickness			
				" Steel			
				BULKHEADS.			
				Number, Thickness, Horizontal, Vertical, Single or Double Frames, Height up.			
				W. T. BULKHEADS			
				RARNING			
				LONGITUDINAL			
				Are the outside Plates doubled two spaces of Frames in length?			
				Are the Sluice Valves and Watertight Doors in efficient working order?			

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case) 1902: Feb, 6 N, 8 N, 23 N; Aug 6 M, 15 M, 21 M, 22 M, 22 M, 28 M, 29 N; Sep 4 M, 9 M, 26 M; Oct 9 N, 14 M, 31 M, Nov 12 E, 28 N; 1903: Feb 21 N, Oct 27 N.

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? Yes

Are the rivet holes well and sufficiently countersunk in the plate and punched to plate, &c., conform well to each other? Yes

Are the rivets break into or through the seams or butts of plating? A few only

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

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? Yes

General Remarks (State quality of workmanship, &c.) The workmanship is good and the vessel has been built in accordance with the approved drawing and in general conformity with the Rules for the class contemplated. The timbers have been tested with water from a hose and found tight.

Letter from the owners respecting fitting ceiling on tank top only under hatchways, fitting cement in the tanks only on outer strakes and the fitting of one hand pump in each hold are attached hereto.

Particulars for Record in the Register Book.—Length of Poop 71.5 ft., R.Q.D. or Break ft., Bridge Dk. 30.5 ft., F'castle 11.6 ft.

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) 14 Steel Deck - 11 1/2" x 8" (11' 1/2" x 8")

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside Paint above tanks Outside Paint

Particulars of Water Ballast.—State whether the Double bottom is constructed on the cellular system or with girders or floors Yes

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	89	2600	Fore peak tank,		95
Double bottom, under Engines and Boilers,	198	870	After peak tank,		120
Double bottom, if under Engines only,			Mainship deck tank,		
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,	117	595	(If necessary, furnish further information by sketch.) See Plan		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 3578

Date 13.8.02

No. 424 in builder's yard.

Dates of Surveys held while building

1902: Sep 8, 10, 12, 16, 22, 24, 26, Oct 3, 7, 9, 14, 17, 22, 24, Nov 5, 12, 17, 19, 21, 25, 28, Dec 2, 5, 8, 10, 12, 16, 18, 20, 22, 1903: Jan 13, 16, 21, 27, Feb 4, 10, 12, 23, 26, Mar 3, 9, 12, 17, 20, 30, Apr 3, 8, 15, 21, 24, 28, 30, May 5, 7, 13, 15, 19, 22, 27, June 2, 8, 12, 15, 18, 19, 24, 30, July 1, 3, 8, 10, 15, 29, Aug 6, 12, 15, 20, 25, 27, Sept 2, 7, 10, 15, 22, 29, Oct 6, 14, 16, 23, 27, Nov 2, 5, 10, 12, 13, 16

Total No. of Visits 96

The amount of Entry Fee, Special Survey Fee, Travelling Expenses, if any

Fees applied for, Received by me

State whether the Vessel has been built under Special Survey

I am of opinion this Vessel should be Classed

Without Freeboard, as condition of Class

Committee's Minute

Character assigned

Glasgow 23 NOV 1903

+ 100 H (Steel)

When fee is paid

Certificate to be sent to Glasgow

E. B. Humphreys

Surveyor to Lloyd's Register of British and Foreign Shipping.