

IRON SHIP.

No. 4338 Survey held at Glasgow Date, First Survey 26 April Last Survey 13 November 1876

On the S.S. Governor Albuquerque Master C. Anderson

TONNAGE under Tonnage Deck 113.00 ONE, OR TWO DECKED, THREE DECKED VESSEL.
 BUILT UP, OR HULLING-DECKED VESSEL.
 HALF BREADTH (moulded) 9.25 Feet.
 DEPTH from upper part of Keel to top of Upper Deck Beams 9.08
 GIRTH of Half Midship Frame (as per Rule) 16.00
 1st NUMBER 3433
 2nd NUMBER 37419
 PROPORTIONS—Breadths to Length 5.3
 Lengths to Length—Upper Deck to Keel 12.0
 Main Deck 12.0

Built at Mitchell Glasgow
 When built 1876 Launched 1876
 By whom built Thomas Wingate & Co
 Owners James Ferguson
 Port belonging to Liverpool
 Destined Voyage India (East Coast)
 If Surveyed while Building, Afloat, or in Dry Dock.

Official Number 76336

LENGTH on deck as per Rule 109.0 Feet. Inches. 109 0 BREADTH—Moulded... 18.6 Feet. Inches. 18 6 DEPTH top of Floors to Upper Deck Beams 8.2 Feet. Inches. 8 2 Power of Engines 40 Horse. N° of Decks with flat laid One N° of Tiers of Beams One

Dimensions of Ship per Register, length, 110.3 breadth, 18.75 depth, 7.85

	Inches in Ship.			Inches per Rule.		
	In Ship.	In Ship.	In Ship.	Inches per Rule.	Inches per Rule.	Inches per Rule.
KEEL, depth and thickness	6 3/4	1 1/4	6 3/4	1 1/4	6 3/4	1 1/4
STEM, moulding and thickness	6	1 1/4	6	1 1/4	6	1 1/4
STERN-POST for Propeller	7 1/2	2 1/4	7 1/2	2 1/4	7 1/2	2 1/4
Distance of Frames from moulding edge to moulding edge, all fore and aft	20		20		20	
FRAMES, Angle Iron, for 3/4 length amidships	2 1/2	2 1/2	5	2 1/2	2 1/2	5
REVERSED FRAMES, Angle Iron	2 1/4	2 1/4	4	2 1/4	2 1/4	4
FLOORS, depth and thickness of Floor Plate at mid line for half length amidships	10 1/2		4	10 1/2		4
thickness at the ends of vessel			4			4
depth at 3/4 the half-bdth. as per Rule	6		5 1/4			5 1/4
height extended at the Bilges	21		21			21
BEAMS, Upper, Spar, or Keelson Deck Single or Double Ang. Iron, Plate or Keel Bolt Iron	5	3	6	5	3	6
Single or Double Keel Bolt Iron on Upper edge			40			40
Average space	40		40			40
BEAMS, Lower Deck, Hold, or Orlop Single or Double Ang. Iron, Plate or Keel Bolt Iron						
Single or Double Keel Bolt Iron on Upper Edge						
Average space						
KEELSONS Centre line, single or double plates, box, or intercostal, plates			5			5
Bulb Plate to Intercostal Keelson	6		6			6
Angle Irons	3	3	6	3	3	6
Double Keel Bolt Iron Side Keelsons						
Side Intercostal Plates						
do. Keel Bolt Iron						
Attached to outside plating with angle iron						
BILGE Angle Irons	3	3	6	3	3	6
do. Bulb Iron	6		6			6
do. Intercostal plates riveted to plating in length						
BILGE STRINGER Angle Irons	3	3	6	3	3	6

PLATES in Garboard Strakes, breadth and thickness from Garboard to upper part of Bilges & Keelsons at Bilge, or increased thickness, and length applied 2 Strakes 1/2 in. 2 Strakes 1/2 in. 1/2 in. 1/2 in.
 Main Sheerstrake, breadth and thickness 30 9 30 9
 Upper Deck Beams, breadth and thickness 16 1/2 x 8 14 1/2 x 8 10 6 5/16
 Lengths of Plating 5 Strakes 5 Strakes
 Shifts of Plating, and Stringers Two Strakes 2 Strakes
 Gunwale Plate on ends of 25 7 25 7
 Upper Deck Beams, breadth and thickness...
 Angle Iron on ditto 3 x 3 x 6 3 x 3 x 6
 Tie Plates fore and aft, outside Hatchways 7 6 7 6
 Keelsons, breadth and thickness 3 3
 How fastened to Beams nut & screw bolts
 Waterways do. do. 3 3
 Flat of Upper Deck do. do. 3 3
 How fastened to Beams nut & screw bolts
 Ceiling betwixt Decks, thickness and material Copper above below
 Main piece of Rudder, diameter at head 3 1/2 3 1/2
 do. at heel 2 2
 Can the Rudder be unshipped afloat? Yes
 Bulkheads No. 3 Thickness of 4/16 4/16
 Height up Deck
 How secured to sides of ship Double frames
 Size of Vertical Angle Irons 2 1/2 x 2 1/2 and distance apart 30 ins.
 Are the outside Plates doubled two spaces of Frames in length? Yes

Transoms, material. Knight-heads. Hawse Timbers. Plate + Lion
 Windlass Rapier French Pall Bitt Not required

The FRAMES extend in one length from Keel to Gunwale Riveted through plates with 5/8 in. Rivets, about 5 apart.
 The REVERSED ANGLE IRONS on floors and frames extend from middle line to Side Stringer do. do.

KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? Yes And butts properly shifted? Yes

PLATING. Garboard, double riveted to Keel, with rivets 7/8 in. diameter, averaging 4 3/8 ins. from centre to centre.
 Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 5/8 in. diameter, averaging 2 3/4 ins. from centre to centre.
 Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets 5/8 in. diameter averaging 2 3/4 ins. from centre to centre.
 Butts of Con. Strakes at Bilge for 1/2 length, double riveted with Butt Straps 1/4 thicker than the plates they connect.
 Edges from bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 5/8 in. diameter, averaging 2 3/4 ins. from cr. to cr.
 Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 5/8 in. diameter, averaging 2 3/4 ins. from cr. to cr.
 Edges of Main Sheerstrake, double or single riveted.
 Butts of Main Sheerstrake, treble riveted for length amidships. Butts of Upper or Spar Sheerstrake, double riveted length amidships.
 Butts of Main Stringer Plate, treble riveted for length amidships. Butts of Upper or Spar Stringer Plate, double riveted length.
 Breadth of laps of plating in double riveting 4 3/4 Breadth of laps of plating in single riveting 2 1/4

Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted? Yes
 Waterway, how secured to Beams Yes (Explain by Sketch, if necessary.)
 Beams of the various Decks, how secured to the sides? None plates welded to Beams No. of Breasthooks, 3 Crutches, 2

What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Best
 Manufacturer's name or trade mark, Wrought Iron, Cast Iron

The above is a correct description.
 Builder's Signature, Thomas Wingate & Co Surveyor's Signature, J. Lawrence
 Surveyor to Lloyd's Register of British and Foreign Shipping.

IRON 469-0157

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed*
 Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies? *Yes*
 Are the fillings between the ribs and plates solid single pieces? *Yes*
 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 the plating? *In corners of butts only* 17355 Iron

Masts, Bowsprit, Yards, &c., are *new* in *good* condition, and sufficient in size and length. If of Iron or Steel give Scantlings of Plating, Angle Irons, &c., and further explain by a Sketch showing how the lower Masts and Bowsprit are constructed, showing the number of Plates and Angle Irons, mode of riveting, quality of Materials, and if stamped with Maker's name.

State also Length and Diameter of Lower Masts and Bowsprit

Two wood masts Ketch Rigged

NUMBER for EQUIPMENT		Fathoms.	Inches.	Test per Certificate.	Length & Size req'd pr Rule.	Test req'd per Rule.	ANCHORS.	N ^o .	Weight. Ex. Stock.	Test per Certificate.	W'ght req'd per Rule.	Test req'd per Rule.			
N ^o .	SAILS.	CABLES, &c.	120 1/4	12 1/4	10.2.2.0	120 1/4	Bowers	2	4.1.4	6.13.3.0	4.1.0	6 12/20			
			Chain			15.2.2.0	15 1/8			4.0.25	6.11.1.0	4.1.0	6 13/20		
One	Fore Sails,	Netherton 22 August 1876 D. G. Lewis	90	9 1/4	90-9 1/4	90 4"	Stream	1	1.2.4	1.2.0	3.0	Kedges	1	2.25	3.0
	Fore Top Sails,														
	Fore Topmast Stay Sails														
	Main Sails,														
Main Top Sails,	Warp	90	3 1/2	90 4"	90 4"	1	1.2.4	1.2.0	3.0	1	2.25	3.0			

Standing and Running Rigging *fine & heavy* sufficient in size and *good* in quality. She has *1100* Boat and *One other*
 The Windlass is *Reaper's* and Rudder *good* Pumps *One hand pump in each hold*

Engine Room Skylights.—How constructed? *Deck on top openings* How secured in ordinary weather? *Bolts*
 What arrangements for deadlights in bad weather? *3' 9" above railing quarter deck*

Coal Bunker Openings.—How constructed? *Cast Iron* How are lids secured? *Self locking* Height above deck? *Flush*
 Scuppers, &c.—What arrangements for clearing upper deck of water, in case of shipping a sea? *Two feet & two scuppers on each side*

Cargo Hatchways.—How formed? *Iron Comings*
 State size Main Hatch *7' 10" x 7' 10"* Forehatch *6' 0" x 6' 0"*

If of extraordinary size, state how framed and secured? *Usual size*
 What arrangement for shifting beams? *—*
 Hatches, If strong and efficient? *Yes*

Order for Special Survey No.	Date	1st.	2nd.	3rd.	4th.	5th.
11705	21 st April 76	On the several parts of the frame, when in place, and before the plating was wrought	On the plating during the process of riveting	When the beams were in and fastened, and before the decks were laid...	When the ship was complete, and before the plating was finally coated or cemented..	After the ship was launched and equipped
		April 20. 27	May 9. 18. 23	June 1. 6. 13. 23. 27	July 4. 25. 31	August 12. 30. Sep 7. 18. 24
		October 4. 19. 20. 27	November 3. 8. 10	13. 14. 1876.		

General Remarks (State quality of workmanship, &c.)
The workmanship is very good. She is constructed in accordance with the approved drawings attached. She is in my opinion eligible to class as recommended.

Raised Forecastle 17.0 Raised Quarter Deck 43.0 Deck House 8' 0" x 8' 6" Bridge House 6' 0"
 State if one, two, or three, decked vessel, or if spar, or running deck; and the lengths of poop, forecabin, or raised quarter deck, and the length of double, or part double bottom.
 How are the surfaces preserved from oxidation? Inside *Cement & Paint* Outside *Paint*

I am of opinion this Vessel should be Classed *+ 90 A 1*
 The amount of the Entry Fee ... £ 2 : : is received by me, *J. Lawrence*
 Special ... £ 6 11 : : Not 1876
 Certificate ... *Gratis*
 (Travelling Expenses, if any, £ 2.2.0).
 Committee's Minute *17th November 1876*
 Character assigned *90 A 1*
Mch M Park Lloyd's