

# IRON SHIPS.

Regent for S. S. 129

3731

Survey held at Glasgow Date Sept. 10 1884  
 the Low S. S. "Caledonia" Master Wm. Scott  
 Tonnage Gross 31.53 Engine Room 48.07 Register 26.66 Built at Glasgow  
 when Built 1864 Launched 18 Under Wm. Barclay, Curle & Co  
 By whom built Wm. Barclay, Curle & Co  
 Port belonging to British Destined Voyage Mediterranean  
 Surveyed Afloat or in Dry Dock whilst building

Length aloft	Feet.	Inches.	Extreme Breadth	Feet.	Inches.	Depth from top of Upper Deck Beam to top of Floor	Feet.	Inches.	Power of Engines	Horse.
22.5	5		20			15	6		125	
Distance of Frames or Ribs from moulding edge to moulding edge, all fore and aft	Inches in Ship.	Inches required per Rule.	Inches in Ship.	Inches required per Rule.	16ths required per Rule.	Stem, if bar iron, moulding and thickness	Inches in Ship.	16ths required per Rule.	Inches required per Rule.	16ths required per Rule.
	21	21				" if plate iron, breadth and thickness	22	22	22	22
Floors, Size of Angle Iron, and No. at bottom of Floor Plate	Inches in Ship.	Inches required per Rule.	16ths required per Rule.	Inches in Ship.	Inches required per Rule.	Stern-post, if bar iron, moulding and thickness	22	22	22	22
	4	4	4	4	4	" if plate iron, breadth and thickness	22	22	22	22
" depth and thickness of Floor Plate at mid line	10	10	10	10	10	Keel, if bar iron, depth and thickness	22	22	22	22
" depth and thickness of Floor Plate at Bilge Keelson	9	9	9	9	9	" if plate iron, breadth and thickness	22	22	22	22
" Size of Reversed Angle Iron, and No. at top of Floor Plate	3	3	3	3	3	Garboard Plates, Breadth and thickness	22	22	22	22
Frames, Size of Angle Iron, single or double	4	4	4	4	4	From Garboard to upper part of Bilge	22	22	22	22
" Reversed Iron, if to every frame	4	4	4	4	4	From upper part of Bilge to Sheerstrakes	22	22	22	22
" No. at every frame	4	4	4	4	4	Sheerstrakes, Breadth and thickness	22	22	22	22
Beams, Deck (No. 1) double Angle Iron, Plate, or Bulb Iron	4	4	4	4	4	Butt Straps to outside plating, Breadth and thickness	22	22	22	22
" double or single Angle Iron, on upper edge	3	3	3	3	3	Planksheers	22	22	22	22
" average space between	3	3	3	3	3	Gunwale Plate or Stringer on ends of Up. Dk Beams	22	22	22	22
" if wood (No. ) sided & moulded	3	3	3	3	3	Angle Iron on ditto	22	22	22	22
" Hold, or Lower Deck (No. 4) double Angle Iron, Plate, or Bulb Iron	4	4	4	4	4	Diagonal Tie Plates on Beams	22	22	22	22
" double or single Angle Iron, on upper edge	3	3	3	3	3	Waterway	22	22	22	22
" average space between	3	3	3	3	3	Deck	22	22	22	22
" if wood (No. ) sided & moulded	3	3	3	3	3	Ceiling in Hold	22	22	22	22
" Paddle, wood, sided and moulded, or if Iron, size of Plate	3	3	3	3	3	Ceiling betwixt Decks	22	22	22	22
" Engine	3	3	3	3	3	Beam Clamps or Spirketting	22	22	22	22
" Keelson, single plate, box, or intercostal	3	3	3	3	3	" Shelf	22	22	22	22
" Size of Plates	3	3	3	3	3	" Stringer Plates on ends of Hold or Lower Dk Beams	22	22	22	22
" Size of Angle Irons	3	3	3	3	3	Ceiling between Decks	22	22	22	22
" ditto Bilge (No. 1)	3	3	3	3	3	Stringer or Tie Plates outside Hatchways	22	22	22	22
ransoms, material	3	3	3	3	3	Deck Beam Clamps or Spirketting	22	22	22	22
night-heads, and Hawse Timbers	3	3	3	3	3	" Shelf	22	22	22	22
The Frames or Ribs extend in one length from middle line to gunwale rivetted through plates with (3/4 in.) rivets, about (1/2 in.) apart.	3	3	3	3	3	Stringers in Hold	22	22	22	22
The reverse angle irons on the floors extend in one length across the middle line from upper part of Hold Beams to ditto	3	3	3	3	3	Deck, Lower	22	22	22	22
" " " on the frames " " " from middle line to gunwale	3	3	3	3	3	Deck, Upper, how fastened to Beams	22	22	22	22
Keelson, how are the various lengths of plates or angle irons connected?	3	3	3	3	3	Bulkheads, No. 1	22	22	22	22
ates, Garboard, double or single rivetted to keel & at upper edge, with rivets (1/2 in.) diameter averaging (1/2 in.) from centre to centre of rivet.	3	3	3	3	3	how secured to the sides of the ship	22	22	22	22
" Edges from Garboards to upper part of bilge, worked carvel with a lining piece (1/2 in.) thick, or clencher, double or single rivetted; rivets (1/2 in.) diameter, averaging (1/2 in.) from centre to centre of rivets.	3	3	3	3	3	size of vertical angle iron and their distance apart	22	22	22	22
" Butts from Keel to turn of bilge, worked carvel with a lining piece (1/2 in.) thick, double or single rivetted; rivets (1/2 in.) diameter, averaging (1/2 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?	3	3	3	3	3		22	22	22	22
" Edges from bilge to sheerstrake, worked carvel with a lining piece (1/2 in.) thick, or clencher, double or single rivetted; rivets (1/2 in.) diameter, averaging (1/2 in.) from centre to centre of rivets. Do the lining pieces lap over and rivet through the lands of the strake below?	3	3	3	3	3		22	22	22	22
" Edge of Sheerstrake, double or single rivetted?	3	3	3	3	3		22	22	22	22
" Butts from bilge to planksheers, worked carvel with a lining piece (1/2 in.) thick, double or single rivetted; rivets (1/2 in.) diameter, averaging (1/2 in.) from centre to centre of rivets. Breadth of laps in double rivetting (1/2 in.) Breadth of laps in single rivetting (1/2 in.)	3	3	3	3	3		22	22	22	22
Butt Straps of Keelsons, Stringer and Tie Plates, double or single rivetted?	3	3	3	3	3		22	22	22	22
Planksheer, how secured to the plating of the sides	3	3	3	3	3		22	22	22	22
Waterway " " planksheer and to the Beams	3	3	3	3	3		22	22	22	22
Deck Beams, how secured to the side?	3	3	3	3	3		22	22	22	22
old or Lower Deck "	3	3	3	3	3		22	22	22	22
Paddle " "	3	3	3	3	3		22	22	22	22
No. of breasthooks	3	3	3	3	3		22	22	22	22
What description of iron is used for the angle iron and plate iron in the vessel?	3	3	3	3	3		22	22	22	22



3731 Iron

Workmanship. Are the lands or laps of the clenchwork in all cases in breadth at least five times the diameter of the rivets in double rivetted edges and butts, and at least three times the diameter of the rivets where single rivetting is admitted? Yes  
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  
Do the fillings between the ribs and plates fill in solid with single pieces, or are they in short lengths of various thicknesses? Yes  
Do the holes for rivetting plate to frames, lining pieces, or plate to plate, &c., conform well to each other? Yes and are the rivet holes well and sufficiently countersunk in the outer plate? Yes  
Are there any rivets which either break into or have been put through the seams or butts of the plating? a few in corners of Bulk

Her Masts, Yards, &c., are in Good condition, and sufficient in size and length.

She has SAILS.

CABLES, &c.

ANCHORS, and their weights.

N <sup>o</sup> .		Fathoms.	Inches.	N <sup>o</sup> .	Weight.
<u>1 single</u>	Fore Sails,	<u>Stows to be supplied at Liverpool</u>			
	Fore Top Sails,	Chain .....		Bower, .....	
<u>Suit of</u>	Fore Topmast Stay Sails,	Hempen Stream Cable .....		Stream, .....	
	Main Sails,	Hawser .....			
<u>Sails</u>	Main Top Sails,	Towlines .....		Kedge, .....	
and		Warp .....			
		All of _____ quality.			

Her Standing and Running Rigging Gal. Wire? Sufficient in size and Good in quality.

She has two 22 ft. life Long Boat and two Quarter Boats of 11 and 11.6

The present state of the Windlass is new Capstan new and Rudder new Pumps new

General Remarks, Statement and Date of Repairs, extent of corrosion (if any) both internally and externally, and condition of rivets.

DATES of Surveys held while building, as per Section 17. 1st. On the several parts of the frame, when in place, and before the plating was wrought Built under Special  
2nd. On the plating during the progress of rivetting Survey and seen on the following  
3rd. When the beams were in and fastened, and before the decks were laid Dates 14. 18. 21. 26 May 2. 4. 9  
4th. When the ship was complete, and before the plating was finally coated 13. 21. 30 June 4. 9. 20. 22 July 12. 23  
5th. After the ship was launched 26. 29 Aug 4. 3. 10. 16. 19. 27 Sept 8. 10 (1864)

This vessel has been built upon the 600 Ton A scale admeasurable to require for special survey No 329, and is in every respect fully up to the requirements of that Tonnage; since the vessel has been launched an enclosed space has been made on deck measuring 82.45 Tons which has raised the Gross Tonnage above the seven hundred in consequence of which the whole of the outside plating should have been double rivetted in lieu of only to the upper part of Bilges; at the same time I beg to point out for the Committee's guidance the middle line keelson is fitted Intercostal, increased a 10 of an Inch. Reverse Bars are extended to the upper part of Hold Beams all fair and aft in lieu of upper part of Bilges. Hold Beams spaced to every second frame in lieu of second and fourth; is fitted with a Butt from middle line and Bilge keelson 1/2 x 10, and a doubler plate to keelson 32 in by 30 for three fourths entire length, under these

In what manner are the surfaces preserved from oxidation? x. Plat of Bottom with Portland Cement circumstances I beg to leave the remainder with Patent Paint and Red Lead assigned of the 16 class sand for the Committee's consideration  
I am of opinion this Vessel should be classed \_\_\_\_\_

The amount of the Fee ..... £ 5 : 4 : 6 is received by me, S. M. H.  
Special ..... £ 38 : 16 : 0  
Certificate (if required) ..... £ 10 : 0 : 0

Committee's Minute 13<sup>th</sup> Sept 1864  
Character assigned B

S. P. Darling  
Sept 13 1864  
This document is not under the circumstances stated is only entitled to B. When the Licence is removed as contemplated, the can then be raised to A should the Committee see fit to do so.  
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