

## IRON SHIP.

17046

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1876

No. 4311 Survey held at Glasgow Date, First Survey 4 February Last Survey 29 September

On the S.S. "South Australian" Master C. Boothby

TONNAGE under Tonnage Deck 528.37	ONE, OR TWO DECKED, THREE DECKED VESSEL.	Built at British Glasgow
Ditto of Deck, Space or Machinery Deck	SPAR, OR MANNING-DECKED VESSEL.	When built 1876 Launched 12 August
Ditto of Poop, or Raised or No.	HALF BREADTH (moulded) 13.08	By whom built Wm. Henderson & Co.
Ditto of Houses on Deck 16.48	DEPTH from upper part of Keel to top of Upper Deck Beams 14.70	Owners Adelaide Steam Ship Co.
Ditto of Forecastle 31.61	GIRTH of Half Midship Frame (as per Rule) 23.79	Port belonging to Adelaide
Gross Tonnage 655.56	1st NUMBER 51.57	Destined Voyage Adelaide
Less Crew Space 44.59	2nd NUMBER 11.551	of Surveyed while Building, Afloat, or in Dry Dock.
Less Engine Room 258.32	PROPORTIONS—Breadths to Length 8.5	
Register Tonnage as cut on Beam 352.65	Depths to Length—Upper Deck to Keel 15.2	
	Main Deck to Keel 15.2	

LENGTH on deck as per Rule 224.0	BREADTH Moulded 26.2	DEPTH top of Floors to Upper Deck Beams 13.6	Power of Engines 10 Horse	No. of Decks with flat laid One	No. of Tiers of Beams One
Dimensions of Ship per Register, length, 226.1 breadth, 26.4 depth, 13.5					
KEEL, depth and thickness 7+2 3/8	STEM, moulding and thickness 7+2 3/8	STERN-POST for Rudder do. do. 7+4 1/2	for Propeller 7+4 1/2	Distance of Frames from moulding edge to moulding edge, all fore and aft 22	
FRAMES, Angle Iron, for 1/2 length amidships 3 3 6	Do. for 1/2 at each end 2 2 5	REVERSED FRAMES, Angle Iron 2 2 5	FLOORS, depth and thickness of Floor Plate at mid line for half length amidships 14 1/2	thickness at the ends of vessel depth at 3/4 the half-bdth. as per Rule 7 1/2	height extended at the Bilges 29
BEAMS, Upper, Lower, or Keelson Deck Single or Double Angle Iron, Plate or Tee Bulb Iron 6	Single or double Angle Iron on Upper edge 2 1/2 2 1/2 5	Average space 44	KEELSONS, Main, or Middle Deck Single or Double Angle Iron, Plate or Tee Bulb Iron 14	Single or Double Angle Iron on Upper edge 4 1/2 3 7	Side Intercoastal Plate 4 1/2 3 7
KEELSONS, Centre line, single or double Plate, No. or Keelsons, Plates 14	Rider Plate 9	Butt Plates to Keelsons 4 1/2 3 7	Double Angle Iron Side Keelsons 4 1/2 3 7	Side Intercoastal Plate 4 1/2 3 7	Attached to outside plating with angle iron 3 3 6
BILGE Angle Irons 4 1/2 3 7	do. Bulb Iron 6	do. Intercoastal plates riveted to plating for 1/2 length 4 1/2 3 7	BILGE STRINGER Angle Irons 4 1/2 3 7	Intercoastal plates riveted to plating for 1/2 length 4 1/2 3 7	SIDE STRINGER Angle Irons 4 1/2 3 7
Transoms, material. Knight-heads. Hawse Timbers. Plate + 1 iron	Windlass Ropes Patent Pall Bitt Not required	The FRAMES extend in one length from Keel to gunwale Riveted through plates with 3/4 in. Rivets, about 6 apart.	The REVERSED ANGLE IRONS on floors and frames extend from middle line to main deck stringer and to side stringer alternately	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 1 in. diameter, averaging 5 ins. from centre to centre.
Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 3/4 in. diameter, averaging 3/4 ins. from centre to centre.	Butts from Keel to turn of Bilge, worked carvel double riveted; with rivets 3/4 in. diameter averaging 3/4 ins. from centre to centre.	Butts of 2 Strakes at Bilge for 1/2 length, treble riveted with Butt Straps 7/16 thicker than the plates they connect.	Edges from bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 3/4 in. diameter, averaging 3/4 ins. from cr. to cr.	Butts from Bilge to Main Sheerstrake, worked carvel, double riveted; with rivets 3/4 in. diameter, averaging 3/4 ins. from cr. to cr.	Edges of Main Sheerstrake, double or single riveted.
Butts of Main Sheerstrake, treble riveted for 1/2 length amidships.	Butts of Main Stringer Plate, treble riveted for 1/2 length amidships.	Breadth of laps of plating in double riveting 5 1/4 1/2 Breadth of laps of plating in single riveting 3	Butt Straps of Keelsons, Stringer and Tie Plates, treble, double or single Riveted?	Waterway, how secured to Beams (Explain by Sketch, if necessary.)	Beams of the various Decks, how secured to the sides? Trans. welded to Beams No. of Breasthooks, 4 Crutches, 3
What description of Iron is used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Best	Manufacturer's name or trade mark, Anglo Dalziel Plate Co. Ltd.	The above is a correct description.	Builder's Signature, David M. Henderson	Surveyor's Signature, J. Lawrence	Surveyor to Lloyd's Register of British and Foreign Shipping.



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? *A few in corners of butts*

Masts, Bowsprit, Yards, &c., are *Now* 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 Fore Masts Pitch Pine Topmasts Oregon Pine  
Lower Masts.*

NUMBER for EQUIPMENT		Fathoms.	Inches.	Test per Certificate.	Length & Size req'd pr Rule.	Test req'd per Rule.	ANCHORS.	N <sup>o</sup> .	Weight. Ex. Stock.	Test per Certificate.	W'ght req'd per Rule.	Test req'd per Rule.
N <sup>o</sup> .	SAILS.	CABLES, &c.										
One	Fore Sails,	Chain					Bowers					
Fore Top Sails,												
Fore Topmast Stay Sails												
Main Sails,												
Main Top Sails,												
and Spare												

Standing and Running Rigging *Iron & Hemp* sufficient in size and *Good* in quality. She has *18* Boats and *3* others

The Windlass is *Reaper Patent* Capstan *12* and Rudder *Good* Pumps *6* Hand pump and Steam

Engine Room Skylights.—How constructed? *Teak on Iron Cornings* How secured in ordinary weather? *Rolls*

What arrangements for deadlights in bad weather? *Tarauline over gratings*

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? *One port 13 Pipes, and 4 Scuppers on each side*

Cargo Hatchways.—How formed? *Iron Cornings*

State size Main Hatch Forehatch *10.0 x 8.0* Quarterhatch *8.6 x 7.6*

If of extraordinary size, state how framed and secured? *Yes*

What arrangement for shifting beams? *Yes*

Hatches, If strong and efficient? *Yes*

Order for Special Survey No. <i>114</i>	1st. On the several parts of the frame, when in place, and before the plating was wrought	<i>Feb 4. 11. 16. 28 March 1. 7. 17. 23. 28 April</i>
Date <i>27 Jan 1876</i>	2nd. On the plating during the process of riveting	<i>4. 11. 14. 21. 28 May 8. 12. 16. 19. 24. 31</i>
Surveyor <i>Ordinary Survey</i>	3rd. When the beams were in and fastened, and before the decks were laid...	<i>June 5. 15. 22. 28 July 5. 21. 24. 31 August</i>
Date	4th. When the ship was complete, and before the plating was finally coated or cemented...	<i>1. 15. 22. 23. 29 September 5. 8. 11. 20. 27</i>
No. <i>175</i> in builder's yard.	5th. After the ship was launched and equipped	<i>7. 29. 1876.</i>

General Remarks (State quality of workmanship, &c.)

*The workmanship is very good. She is built in accordance with the approved midship section attached and Surveyor's Letter of 15<sup>th</sup> January 1876. She is in my opinion eligible to Class as recommended.*

*Poop 71<sup>ft</sup> Forecastle 37<sup>ft</sup> Bridge Deck 66<sup>ft</sup>*

How are the surfaces preserved from oxidation? Inside *Cement + Paint* Outside *Paint*

I am of opinion this Vessel should be Classed *100A*

The amount of the Entry Fee ... *£ 5 : - : -* is received by me,

Special ... *£ 30 : 11 : -* Sept. 1876

Certificate ... *Grants*

(Travelling Expenses, if any, £ ...)

Committee's Minute *3 October 1876*

Character assigned

*MC L W Baker* *J. W. Red*

*2019*  
*Lloyd's Register*  
*Foundation*  
*2/10/76*