

Steel ~~IRON~~ SHIP.

RECEIVED 24th. APR. 82.

No. Survey held at Glasgow Date, First Survey Oct 21, 1880 Last Survey April 1882

On the Steel Iron Austral

TONNAGE under 3917.46
Tonnage Deck 1597.84
Ditto of Third, 5315.30
Ditto of Roop, or Raised Or. Dk. 272.90
Ditto of Houses on Deck 5300.20
Gross Tonnage 259.92
Less Crew Space 5320.20
Less Engine Room 2059.05
Register Tonnage as cut on Beam 3209.23

ONE, OR TWO DECKED, THREE DECKED VESSEL,
STAR, OR TWINNING DECKED VESSEL.

Half Breadth (moulded) 24.0
Depth from upper part of Keel to top of Upper Deck Beams 37.0
Girth of Half Midship Frame (as per Rule) 35.6
1st Number 117.4
1st Number, if a 3-Decked Vessel .. deduct 7 feet 110.4

Length 454
2nd Number 581216
Proportions— Breadths to Length 9.2
Depths to Length— Upper Deck to Keel 12.51
Main Deck ditto 37 feet 15.20

Master Jas Murdoch
Built at Glasgow
When built 1881 Launched 24 Dec
By whom built Jas Elder & Co
Owner Orient S S Co Ltd
Residence 13 Fenchurch Avenue
Port belonging to Glasgow
Destined Voyage and
Surveyed while Building, Afloat, in Dry Dock

LENGTH on deck as 454
per Rule 454

BREADTH Moulded 40

DEPTH top of Floors to Upper Deck Beams 34.00
Do. do. Main Deck Beams 33.98
depth 33.98

Power of Engines 1000

Nº. of Decks with flat laid 4
Nº. of Tiers of Beams 4

Inches in Ship.			Inches per Rule.		
Inches.	16ths.	Inches.	Inches.	16ths.	Inches.
16ths.	per Rule	16ths.	per Rule	16ths.	per Rule
Flat Keel Plates, breadth and thickness ...					
PLATES in Garboard Strakes, br'dth & thickness					
" From Garboard to upper part of Bilges...					
" Of d'bling at Bilge, or increased thickness, and length applied					
" From up. prt of Bilge to l.r. edge of Sh'rstrake...					
" Main Sheerstrake, breadth and thickness.....					
" Of d'bling at Sh'stk. & lng. applied					
" From M'n. to Up. or Spar Dk. Sh'rstrake....					
" Up. or Spar Dk Sh'rstrake, br'dth & thick'ns...					
Butt Straps to outside plating, breadth & thickness					
Lengths of Plating					
Shifts of Plating, and Stringers					
Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness...					
Angle Iron on ditto ...					
Tie Plates fore and aft, outside Hatchways					
Diagonal Tie Plates on Beams No. of Pairs					
Flat of Up., Spar, or Awning Dk.*					
How fastened to Beams ...					
Stringer Plate on ends of Main or Middle Deck Beams, breadth and thickness ...					
Is the Stringer Plate attached to the outside plating?					
Angle Irons on ditto, No. ...					
Tie Plates, outside Hatchways ...					
Diagonal Tie Plates on Beams, No. of pairs					
Flat of Middle Deck* do. do.					
How fastened to Beams					
Stringer Plates on ends of Lower Deck, Hold or Orlop Beams ...					
Is the Stringer Plate attached to the outside plating?					
Angle Irons on ditto, No. ...					
Stringer or Tie Plates, outside Hatchways					
Flat of Lower Deck*					
Ceiling betwixt Decks, thickness and material ...					
" in hold do. do. ...					
Main piece of Rudder, diameter at head ...					
do. at heel ...					
Can the Rudder be unshipped afloat?					
Bulkheads No. 9 No. per Rule 4					
" Thickness of					
" Height up					
" How secured to sides of ship					
" Size of Vertical Angle Irons and distance apart ins.					
" Are the outside Plates doubled two spaces of Frames in length?					
Riveted through plates with in. Rivets, about apart.					
The FRAMES extend in one length from to middle line to and to alternately					
The REVERSED ANGLE IRONS on floors and frames extend And butts properly shifted?					
KEELSONS. Are the various lengths of Plates and Angle Irons properly connected? ins. from centre to centre.					
PLATING. Garboard, double riveted to Keel, with rivets in. diameter, averaging ins. from centre to centre.					
" Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets in. diameter averaging ins. from centre to centre.					
" Butts from Keel to turn of Bilge, worked carvel, double riveted; with rivets thicker than the plates they connect.					
" Butts of Strakes at Bilge for length, treble riveted with Butt Straps in. diameter, averaging ins. from cr. to cr.					
" from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets in. diameter, averaging ins. from cr. to cr.					
" Main Sheerstrake, worked carvel, double riveted; with rivets in. diameter, averaging ins. from cr. to cr.					
" Upper Sheerstrake, double or single riveted.					
" treble riveted for length amidships. Butts of Upper or Spar Sheerstrake, treble riveted length amidships.					
" treble riveted for length amidships. Butts of Upper or Spar Stringer Plate, treble riveted for length.					
" riveting Breadth of laps of plating in single riveting					
Plates, treble, double or single Riveted? No. of Breasthooks, Crutches,					
Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.?					

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

Workmanship.

Are the butts of plating planed or otherwise fitted?

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Do the edges of the carvel work and of the butts lay close together throughout their length without requiring any making good of deficiencies?

Are the fillings between the ribs and plates solid single pieces?

Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other?

Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces?

Do any rivets break into or through the seams or butts of the plating?

Masts, Bowsprit, Yards, &c., are in 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

4 Mast

NUMBER for EQUIPMENT

SAILS. CABLES, &c.
Chain
(State Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.)
Fore Sails,
Fore Top Sails,
Fore Topmast Stay Sails,
Main Sails,
Main Top Sails,
and quality

Fathoms. Inches. Test per Certificate. Inches per Rule. Machine where Tested & Suprntd.

ANCHORS. No. Weight. Ex. Stock. Test per Certificate. Weight req'd per Rule. Machine where Tested & Suprntd.
Bower Anchors
(State Machine where Tested, Date, or No. of Certificate, & Name of Superintendent.)
Stream Anchor
Kedge ...
2nd Kedge ...

Standing and Running Rigging sufficient in size and in quality. She has Long Boat and

The Windlass is Capstan and Rudder Pumps

Engine Room Skylights.—How constructed?

What arrangements for deadlights in bad weather?

How are lids secured?

Height above deck?

Coal Bunker Openings.—How constructed?

Scuppers, &c.—What arrangements for clearing upper deck of water, in case of shipping a sea?

Cargo Hatchways.—How formed?

State size Main Hatch

Forehatch

Quarterhatch

If of extraordinary size, state how framed and secured?

What arrangement for shifting beams?

Hatches, If strong and efficient?

Order for Special Survey No.

Date

Order for Ordinary Survey No.

Date

No. in builder's yard.

DATES of Surveys held while building as per Section 18.

- 1st. On the several parts of the frame, when in place, and before the plating was wrought
- 2nd. On the plating during the process of riveting
- 3rd. When the beams were in and fastened, and before the decks were laid....
- 4th. When the ship was complete, and before the plating was finally coated or cemented..
- 5th. After the ship was launched and equipped

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

Engineers

C. I. D. A. 146 E. & 2 of 06. Cyls 60" Stroke
95 lbs. - 1000 HP.
Jno. Elder & Co. Makers

State if one, two, or three decked vessel, or if spar, or awning decked; and the lengths of poop, bridge, forecastle, or raised quarter deck. (If double bottom, state particulars on separate form.)

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

I am of opinion this Vessel should be Classed

The amount of the Entry Fee ... £

Special ... £

Certificate ...

(to be sent as per margin).

(Travelling Expenses, if any, £)

Committee's Minute

Character assigned

is received by me,

18

18

Surveyor to Lloyd's

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