

# IRON SHIPS.

No. 6213 Survey held at Port Glasgow Date, First Survey 22 August 1872 Last Survey 16 August 1872

On the Screw Steam Vessel "Ada" "Patnam" Master Dickie

Tonnage under Tonnage Deck	ONE, OR TWO DECKED, SPAR, OR AWNING-DECKED VESSELS.	THREE-DECKED VESSELS.
<u>446.72</u>	Half moulded breadth .... <u>12.66</u>	Half Moulded Breadth....
Ditto of Third Spar, or Awning Deck.	Depth from upper part of Keel to top of Upper Deck Beams .... <u>15.12</u>	Total Depth of three or more Decks .....
Ditto of Poop, Raised or Dk.	Girth of Half Midship Frame (as per Rule) ... <u>24.88</u>	Total Girth of Half Midship Frame .....
Ditto of Houses on Deck .....	1st Number .... <u>189.88</u>	3rd Number .....
Ditto of Forecastle	Length .....	Length .....
Gross Tonnage <u>609.55</u>	2nd Number .... <u>9005.32</u>	4th Number ....
Crew Space, as per Rule	Depths to Length. <u>12.5</u>	Breadths to Length .....
Register Tonnage, as a Steamer, cut on Beam		

Built at Port Glasgow  
 When built 1871/2 Launched 28 April 72  
 By whom built Blackwood & Gordon  
 Owners James Guthrie  
 Port belonging to London  
 Destined Voyage Singapore  
 Surveyed while Building Afloat, or in Dry Dock

Length on deck, as per Rule, 189 Feet. Inches. Moulded Breadth, 25.3 Feet. Inches. Depths from top of Floors to Upper and Main Deck Beams, as per Rule, 13 11 1/2 Feet. Inches. Power of Engines, 100 Horse. N° of Decks with flat laid one N° of Tiers of Beams one

Dimensions of Ship per Register, length, 190 breadth, 25.5 depth, 13.45

	Inches in Ship.	Inches required per Rule.		Inches in Ship.	Inches required per Rule.
Keel, if bar iron, depth and thickness .....	<u>4 1/2 x 2 1/2</u>	<u>7 1/2 x 2 1/2</u>	Flat Keel Plates, breadth and thickness .....	<u>30</u>	<u>30</u>
Do. if centre through plate, depth and thickness .....	<u>6 3/4 x 2 1/2</u>	<u>6 3/4 x 2 1/2</u>	Plates in Garboard Strakes, breadth and thickness .....	<u>30</u>	<u>30</u>
Stern-post for Rudder do. do. ....	<u>8 x 3 1/2</u>	<u>6 3/4 x 4 1/4</u>	Do. from Garboard to upper part of Bilges .....	<u>30</u>	<u>30</u>
Stern-post for Propeller .....	<u>22</u>	<u>22</u>	Do. of doubling at Bilge, or increased thick- ness, and length applied <u>1/2 length</u> .....	<u>30</u>	<u>30</u>
Distance of Frames from moulding edge to moulding edge, all fore and aft .....	<u>22</u>	<u>22</u>	Do. fm up. part of Bilge to lr. edge of Sh'rstrake .....	<u>30</u>	<u>30</u>
Frames, size of Angle Iron, for 1/3 length amidships .....	<u>3 1/2 x 5</u>	<u>3 1/2 x 5</u>	Do. Main Sheerstrake, breadth and thickness .....	<u>30</u>	<u>30</u>
Do. for 1/4 at each end .....	<u>3 1/2 x 5</u>	<u>3 1/2 x 5</u>	Do. of d'bling at Sh'rstrake, & length applied .....	<u>30</u>	<u>30</u>
Reversed Frames, size of Angle Iron .....	<u>2 1/4 x 5</u>	<u>2 1/4 x 5</u>	Do. from Mn. to Up. or Spar Dk. Sh'rstrake .....	<u>30</u>	<u>30</u>
Floors, depth and thickness of Floor Plate at mid line for half the length amidships .....	<u>14 6</u>	<u>14 6</u>	Do. Up. or Spar Dk Sh'rstrake, brdth & thickns .....	<u>30</u>	<u>30</u>
Do. at the ends .....	<u>14 5</u>	<u>14 5</u>	Butt Straps to outside plating, breadth & thickness .....	<u>11 1/2 x 8</u>	<u>11 1/2 x 8</u>
Do. do. do. at Bilge Keelson .....	<u>7 6</u>	<u>7 6</u>	Lengths of Plating .....	<u>5 spaces</u>	<u>5 spaces</u>
Do. height extended at the Bilges .....	<u>20</u>	<u>20</u>	Shifts of Plating, and Stringers .....	<u>2 spaces</u>	<u>2 spaces</u>
Beams, Upper, Spar, or Awning Deck (No. ) .....	<u>6 1/2 x 6</u>	<u>6 1/2 x 6</u>	Gunwale Plate on ends of Awning, Spar, or Upper Deck Beams, breadth and thickness .....	<u>27 8</u>	<u>27 8</u>
Single or double Angle Iron, Plate or Tee Bulb Iron .....	<u>6 1/2 x 6</u>	<u>6 1/2 x 6</u>	Angle Iron on ditto .....	<u>4 x 3 x 6</u>	<u>4 x 3 x 6</u>
Single or double Angle Iron on Upper edge .....	<u>2 1/4 x 5</u>	<u>2 1/4 x 5</u>	Tie Plates (fore and aft), outside Hatchways .....	<u>9 7</u>	<u>9 7</u>
Average space .....	<u>44</u>	<u>44</u>	Diagonal Tie Plates on Beams (No. of Pairs, ) .....	<u>9 7</u>	<u>9 7</u>
Beams, Main or Middle Deck (No. ) single, or double Angle Iron, Plate or Tee Bulb Iron .....	<u>6 1/2 x 6</u>	<u>6 1/2 x 6</u>	Planksheer material and scantling .....	<u>Iron gutter</u>	<u>Iron gutter</u>
Single, or double Angle Iron, on Upper Edge .....	<u>6 1/2 x 6</u>	<u>6 1/2 x 6</u>	Waterways do. do. ....	<u>3 1/2</u>	<u>3 1/2</u>
Average space .....	<u>44</u>	<u>44</u>	Flat of Upper Deck do. do. ....	<u>3 1/2</u>	<u>3 1/2</u>
Beams, Lower Deck, Hold or Orlop (No. ) .....	<u>6 1/2 x 6</u>	<u>6 1/2 x 6</u>	How fastened to Beams .....	<u>3 1/2</u>	<u>3 1/2</u>
single or d'ble Ang. Iron, Plate or Tee Bulb Iron .....	<u>6 1/2 x 6</u>	<u>6 1/2 x 6</u>	Stringer Plate on ends of Main or Middle Deck Beams, breadth and thickness .....	<u>3 1/2</u>	<u>3 1/2</u>
Single or double Angle Iron on Upper Edge .....	<u>6 1/2 x 6</u>	<u>6 1/2 x 6</u>	(Is the Stringer Plate attached to the outside plating?) .....	<u>3 1/2</u>	<u>3 1/2</u>
Average space .....	<u>44</u>	<u>44</u>	Angle Irons on ditto (No. ) .....	<u>3 1/2</u>	<u>3 1/2</u>
Keelson Centre line, single or double plate, box, or intercostal size of Plates .....	<u>11 1/2 x 9</u>	<u>11 1/2 x 9</u>	Tie Plates, outside Hatchways .....	<u>3 1/2</u>	<u>3 1/2</u>
Do. Bulb Plate to Intercostal Keelson .....	<u>6 1/2 x 7</u>	<u>6 1/2 x 7</u>	Diagonal Tie Plates on Beams (No. of pairs, ) .....	<u>3 1/2</u>	<u>3 1/2</u>
Do. Size of Angle Irons .....	<u>4 3 6</u>	<u>4 3 6</u>	Waterways materials and scantlings .....	<u>3 1/2</u>	<u>3 1/2</u>
Do. Side Intercostal Keelson, size of Plates .....	<u>4 3 6</u>	<u>4 3 6</u>	Flat of Middle Deck do. do. ....	<u>3 1/2</u>	<u>3 1/2</u>
Do. Angle Irons on tops of Floors .....	<u>4 3 6</u>	<u>4 3 6</u>	How fastened to Beams .....	<u>3 1/2</u>	<u>3 1/2</u>
Do. Bilge Keelson, Bulb Iron .....	<u>6 1/2 x 6</u>	<u>6 1/2 x 6</u>	Stringer Plates on ends of Lower Deck, Hold or Orlop Beams .....	<u>3 1/2</u>	<u>3 1/2</u>
Do. do. Intercostal plates riveted to plating for length .....	<u>6 1/2 x 6</u>	<u>6 1/2 x 6</u>	(Is the Stringer Plate attached to the outside plating?) .....	<u>3 1/2</u>	<u>3 1/2</u>
Do. do. Angle Irons .....	<u>4 3 6</u>	<u>4 3 6</u>	Angle Irons on ditto (No. ) .....	<u>3 1/2</u>	<u>3 1/2</u>
Side Stringers (No. ) size of Angle Irons .....	<u>4 3 6</u>	<u>4 3 6</u>	Stringer or Tie Plates, outside Hatchways .....	<u>3 1/2</u>	<u>3 1/2</u>
Do. Intercostal plates riveted to plating for 3/8 length .....	<u>6 1/2 x 6</u>	<u>6 1/2 x 6</u>	Flat of Lower Deck .....	<u>3 1/2</u>	<u>3 1/2</u>

Transoms, material Iron or, if none, in what manner compensated for.

Knight-heads Iron Hawse Timbers Iron

Windlass Iron Crown & Bitt Iron

The Frames extend in one length from Keel to Gunwale

The Reverse Angle Irons on the floors and frames extend across the middle line upper part of Bilge and to Gunwale alternately

Keelsons. Are the various lengths of Plates and Angle Irons properly connected? yes And are their butts properly shifted? yes

Plates, Garboard, double or single Riveted to Keel, double or single at upper edge, with Rivets (1/4 in.) diameter, averaging (5 1/2 ins.) from centre to centre.

Do. Edges from Garboards to upper part of Bilge, worked Clencher, double or single Riveted; with Rivets (3/4 in.) diameter, averaging (3 1/4 ins.) from centre to centre.

Do. Butts from Keel to turn of Bilge, worked carvel with butt straps to strakes (9 1/2 x 1/2) thick, double or single Riveted; with Rivets (3/4 in.) diameter averaging (3 1/4 ins.) from centre to centre. Do the Butt Straps lay over and Rivet through the lands of the strakes above or below? no

Do. of 1 Strakes at Bilge for 1/2 length, double riveted with Butt Straps 1/16 thicker than their plates.

Do. Edges from bilge to Main Sheerstrake, worked carvel with a lining piece ( ) thick, or clencher, double or single riveted; with rivets (5/8 in.) diameter, averaging (2 3/4 ins.) from centre to centre.

Do. Edges of Sheerstrake, Main, double or single Riveted. Upper, double or single Riveted. At upper edge single At lower edge double

Do. Butts from Bilge to Main Sheerstrake, worked Carvel with Butt Straps (7 1/2 x 1/2) thick, double or single Riveted; with Rivets (3/4 in.) diameter, averaging (3 1/4 ins.) from centre to centre.

Do. Butts of Main Sheerstrake, double or single Riveted. Butts of Upper or Spar Sheerstrake, and Upper Deck Stringer Plate, double or single Riveted for whole length amidships. Breadth of laps of plating in double Riveting (4 1/2) Breadth of laps of plating in single Riveting (2 1/2)

Butt Straps of Keelsons, Stringer and Tie Plates, double or single Riveted?

Planksheer, how secured to the plating of the sides. Waterway, how secured to the planksheer and to the Beams. (Explain by Sketch, if necessary.) See Section

Beams of the various Decks, how secured to the sides? Moulded knee plates No. of Breasthooks, 4 Cratches, 3

What description of Iron is used for the Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? Plates Parkhead & frames

Manufacturer's name or trade mark, Parkhead Boiler & Ironworks

We certify that the above is a correct description of the several particulars therein given.

Builder's Signature, James Guthrie Surveyor's Signature, Edwin R. Bouchman

Manager, James Guthrie

Lloyd's Register



Her Masts, Bowsprit, Yards, &c., are in good condition, and sufficient in size and length. If they are of Iron or Steel give the 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 of Pitch Pine Fore Mast 67 ft by 16 in Main Mast 61 ft by 16 in

[illegible]

**Cargo Hatchways.**—How formed? Iron framed State size \_\_\_\_\_

Order for Special Survey No. 584 DATES of 1st. On the several parts of the frame, when in place, and before the plating was wrought Specially Turned  
2nd. On the plating during the progress of riveting Iron 12 1/2 M. and

Date 8 August 1877 Surveys held 2nd. On the plating during the progress of riveting  
Order for Ordinary Survey No.      while building 3rd. When the beams were in and fastened, and before the decks were laid  
Date      as per 4th. When the ship was complete, and before the plating was finally coated or cemented  
No. 116 in builder's yard. Section 18. 5th. After the ship was launched and equipped     

*to 16 August 1877*  
*in all 27 visits*

General Remarks,  
This is a screw steam vessel with a full Poop and Forecastle she is in length 12.5 depths and 4.16 <sup>breadth</sup> ~~depth~~ the frames for 10 feet from the stem are spaced 11 inches apart and in the Main Hold a Ballast tank is fitted for its whole length as shown on midship's section the lower Forecastle deck 32 ft long is iron plated with 5/16 plates and riveted to outside skin. she is a strong and well built vessel and the workmanship is well executed

State if one, ~~two or three~~ decked vessel, or if ~~gun or sailing~~ <sup>25 ft</sup> ~~decked~~, and lengths of poop, forecabin, <sup>20 ft</sup> ~~or raised quarter deck~~, or of double or part double bottom.

In what manner are the surfaces preserved from oxidation? Inside Cemented to upper pt. of Bulge Outside 4 coats of paint  
and painted above

I am of opinion this Vessel should be Classed 90 A

The amount of the Entry Fee .....£ 30 : 0 : 0 is received by me,  
 Special .....£ 30 : 0 : 0

X Certificate .... - : - : -

(if any) £ ✓

Committee's Minute 23<sup>rd</sup> August 1872

Character assigned QZ-1

L. Allen R. Borchman

I appear in the  
recesses of the  
this vessel is eligible  
to class 9th  
18th  
18th 18th 18th

Lloyd's Reel  
Foundation